

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016152.D
 Acq On : 31 Oct 2023 17:36
 Operator : SY/MD
 Sample : 04699-01 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Quant Time: Nov 01 03:39:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	164885	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	273073	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	83659	54.223	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.440%			
35) Dibromofluoromethane	7.722	113	78364	48.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.280%			
50) Toluene-d8	10.185	98	317101	49.128	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.489	95	106457	48.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2595	2.467	ug/l	99
3) Chloromethane	2.113	50	4043	2.776	ug/l	96
4) Vinyl Chloride	2.253	62	3750	2.495	ug/l #	81
5) Bromomethane	2.656	94	2794	2.755	ug/l	90
6) Chloroethane	2.796	64	2708	2.559	ug/l	98
7) Trichlorofluoromethane	3.125	101	5006	2.206	ug/l	93
8) Diethyl Ether	3.528	74	2158	2.870	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.906	101	3304	2.311	ug/l	98
10) Methyl Iodide	4.088	142	4560	2.869	ug/l	93
11) Tert butyl alcohol	4.954	59	3313	28.740	ug/l #	96
12) 1,1-Dichloroethene	3.875	96	3138	2.405	ug/l	93
13) Acrolein	3.729	56	1676	7.690	ug/l	100
14) Allyl chloride	4.491	41	4759	2.550	ug/l #	93
15) Acrylonitrile	5.174	53	4403	13.701	ug/l	94
16) Acetone	3.948	43	8543	16.896	ug/l #	88
17) Carbon Disulfide	4.198	76	7769	2.385	ug/l #	93
18) Methyl Acetate	4.491	43	3624	2.921	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	9741	2.625	ug/l	97
20) Methylene Chloride	4.722	84	10019	3.555	ug/l #	80
21) trans-1,2-Dichloroethene	5.222	96	3747	2.466	ug/l	96
22) Diisopropyl ether	6.131	45	11050	2.448	ug/l #	82
23) Vinyl Acetate	6.070	43	27489	12.404	ug/l	95
24) 1,1-Dichloroethane	6.021	63	6945	2.571	ug/l #	92
25) 2-Butanone	6.984	43	8057	18.928	ug/l #	89
26) 2,2-Dichloropropane	6.984	77	6036	2.364	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	4585	2.564	ug/l	90
28) Bromochloromethane	7.332	49	2200	2.176	ug/l #	87
29) Tetrahydrofuran	7.350	42	3441	12.896	ug/l #	86
30) Chloroform	7.509	83	7455	2.535	ug/l	95
31) Cyclohexane	7.789	56	8155	3.438	ug/l #	58
32) 1,1,1-Trichloroethane	7.704	97	6804	2.523	ug/l	96
36) 1,1-Dichloropropene	7.923	75	5253	2.235	ug/l	97
37) Ethyl Acetate	7.082	43	2985	2.851	ug/l #	94
38) Carbon Tetrachloride	7.905	117	4880	2.095	ug/l #	84
39) Methylcyclohexane	9.185	83	6150	2.192	ug/l	88
40) Benzene	8.161	78	17148	2.541	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1240m	2.040	ug/l	
42) 1,2-Dichloroethane	8.246	62	4972	2.640	ug/l	94
43) Isopropyl Acetate	8.277	43	5140	2.482	ug/l	94
44) Trichloroethene	8.941	130	4616	2.337	ug/l	76
45) 1,2-Dichloropropane	9.216	63	3995	2.461	ug/l	99
46) Dibromomethane	9.307	93	2234	2.426	ug/l	95
47) Bromodichloromethane	9.496	83	5652	2.415	ug/l	95
48) Methyl methacrylate	9.295	41	2377	2.524	ug/l	93
49) 1,4-Dioxane	9.307	88	1156	Below Cal	#	24
51) 4-Methyl-2-Pentanone	10.075	43	13968	13.516	ug/l	93
52) Toluene	10.246	92	11198	2.561	ug/l	91
53) t-1,3-Dichloropropene	10.465	75	5581	2.389	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	6367	2.323	ug/l	# 88
55) 1,1,2-Trichloroethane	10.648	97	3205	2.474	ug/l	98
56) Ethyl methacrylate	10.514	69	3888	2.311	ug/l	89
57) 1,3-Dichloropropane	10.795	76	5440	2.467	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	8098	9.926	ug/l	95
59) 2-Hexanone	10.837	43	9046	12.774	ug/l	97
60) Dibromochloromethane	10.990	129	3885	2.390	ug/l	96
61) 1,2-Dibromoethane	11.093	107	2918	2.368	ug/l	92
64) Tetrachloroethene	10.727	164	5258	2.434	ug/l	# 89
65) Chlorobenzene	11.520	112	11560	2.395	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	4073	2.279	ug/l	94
67) Ethyl Benzene	11.599	91	20217	2.342	ug/l	100
68) m/p-Xylenes	11.709	106	15404	4.618	ug/l	91
69) o-Xylene	12.032	106	7327	2.301	ug/l	97
70) Styrene	12.050	104	12115	2.288	ug/l	97
71) Bromoform	12.215	173	2324	2.344	ug/l	# 98
73) Isopropylbenzene	12.331	105	18716	2.157	ug/l	99
74) N-amyl acetate	12.148	43	4609	2.445	ug/l	# 91
75) 1,1,2,2-Tetrachloroethane	12.587	83	3629	2.629	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	2791m	2.562	ug/l	
77) Bromobenzene	12.617	156	5005	2.548	ug/l	89
78) n-propylbenzene	12.678	91	23648	2.305	ug/l	100
79) 2-Chlorotoluene	12.764	91	13567	2.371	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	15776	2.244	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.489	75	57349	114.161	ug/l	# 11
82) 4-Chlorotoluene	12.861	91	14324	2.438	ug/l	100
83) tert-Butylbenzene	13.081	119	14583	2.319	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	17197	2.472	ug/l	97
85) sec-Butylbenzene	13.258	105	21077	2.283	ug/l	98
86) p-Isopropyltoluene	13.373	119	17486	2.286	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	9729	2.504	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	9950	2.591	ug/l	87
89) n-Butylbenzene	13.703	91	17088	2.431	ug/l	96
90) Hexachloroethane	13.965	117	2970	2.253	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	8405	2.504	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1128	4.565	ug/l	66
93) 1,2,4-Trichlorobenzene	15.013	180	6003	2.897	ug/l	96
94) Hexachlorobutadiene	15.117	225	3229	2.852	ug/l	99
95) Naphthalene	15.239	128	12846	3.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	5315	3.003	ug/l	98

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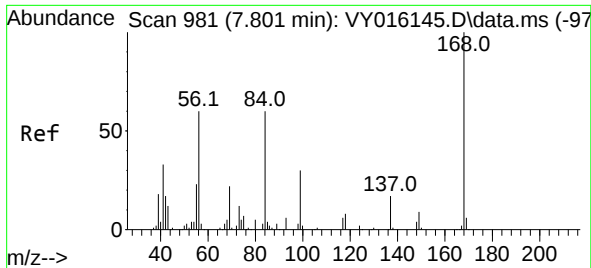
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

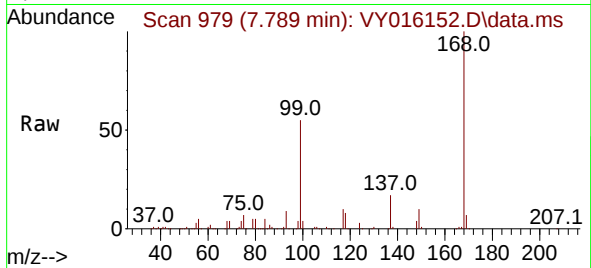
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY016152.D
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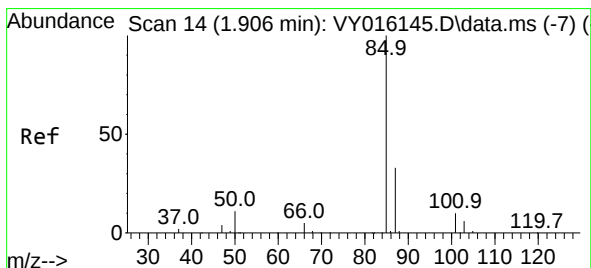
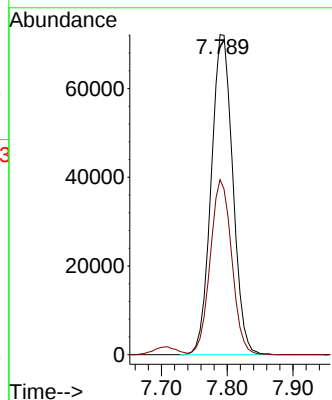
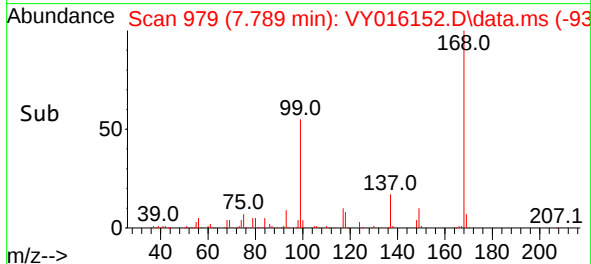
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion:168 Resp: 16488
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0

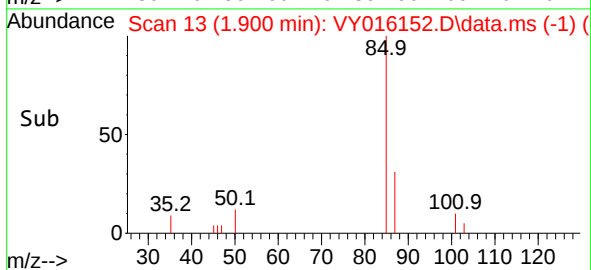
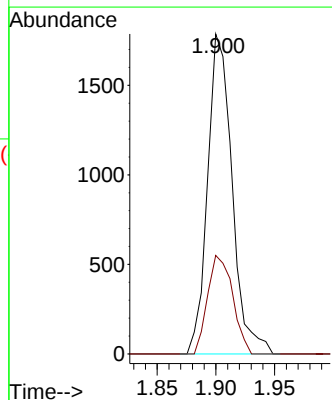
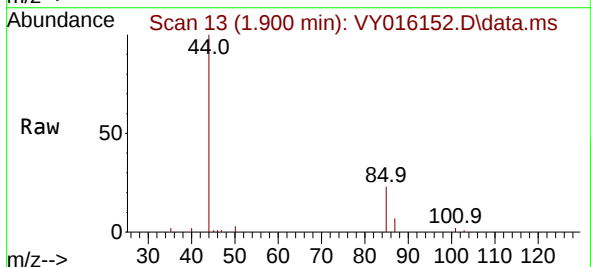
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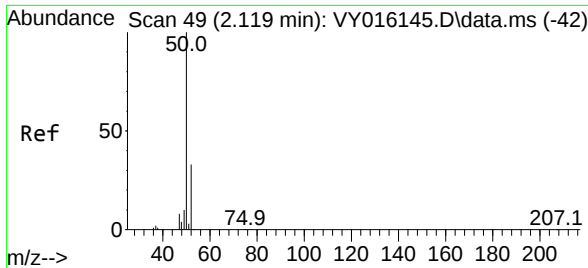
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#2
Dichlorodifluoromethane
Concen: 2.467 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY016152.D
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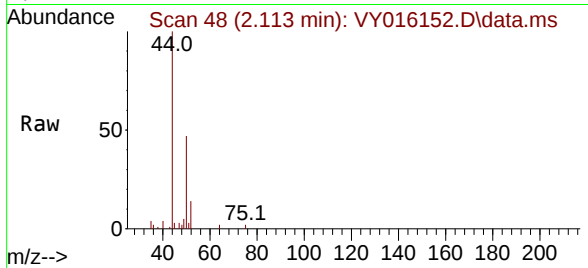
Tgt Ion: 85 Resp: 2595
Ion Ratio Lower Upper
85 100
87 30.8 15.6 46.8





#3
Chloromethane
Concen: 2.776 ug/l
RT: 2.113 min Scan# 49
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

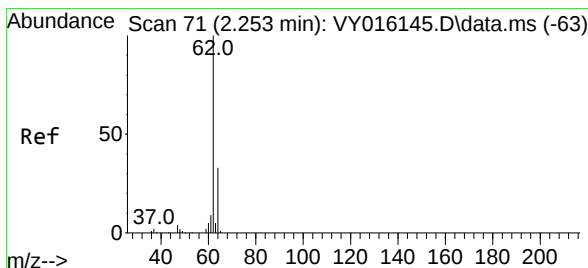
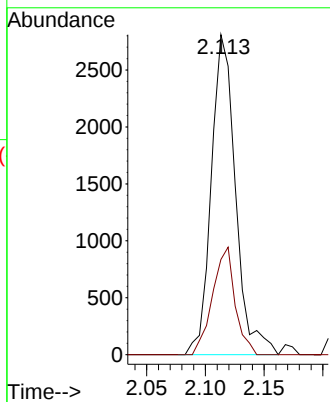
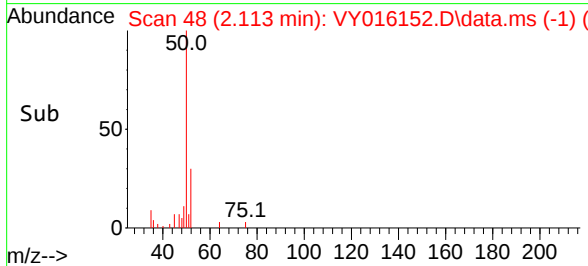
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 50 Resp: 404
Ion Ratio Lower Upper
50 100
52 29.8 25.4 38.2

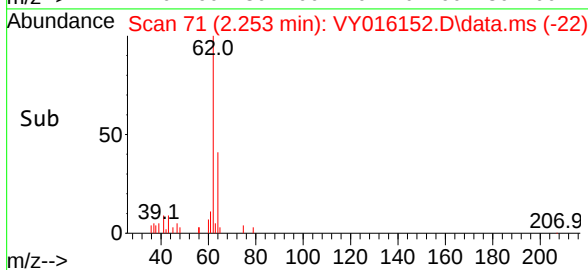
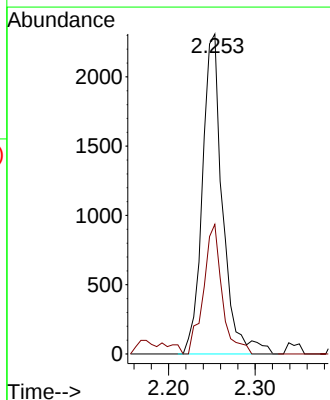
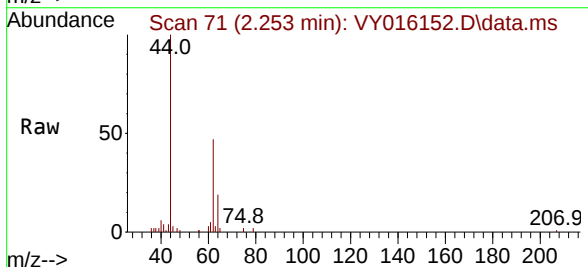
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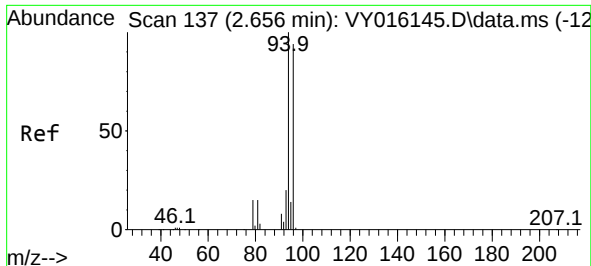
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#4
Vinyl Chloride
Concen: 2.495 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

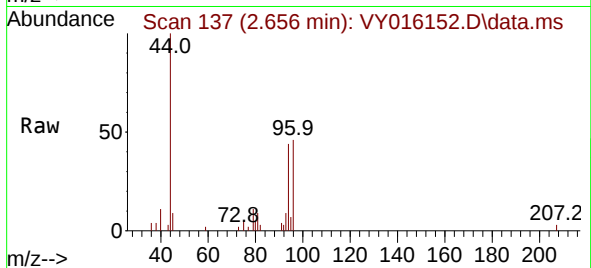
Tgt Ion: 62 Resp: 3750
Ion Ratio Lower Upper
62 100
64 40.5 24.3 36.5





#5
Bromomethane
Concen: 2.755 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY016152.D
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Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

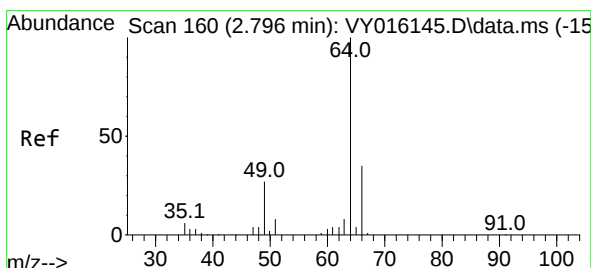
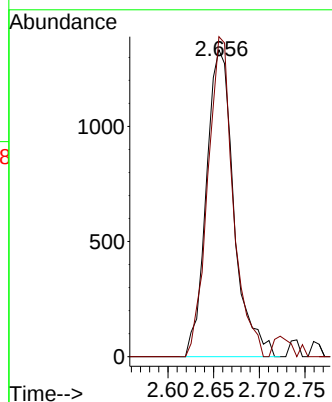
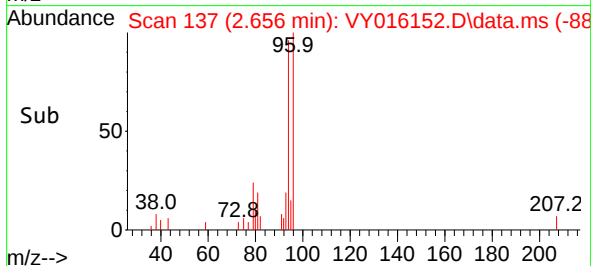


Tgt Ion: 94 Resp: 2794
Ion Ratio Lower Upper
94 100
96 104.3 75.8 113.6

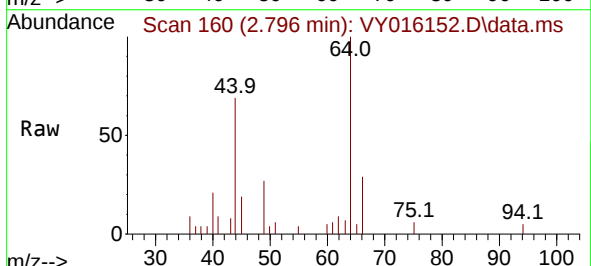
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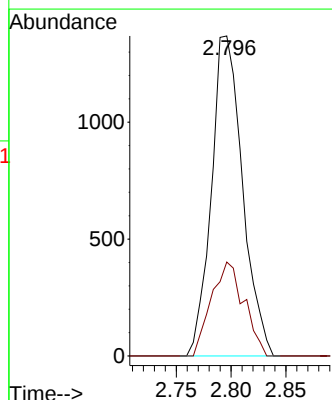
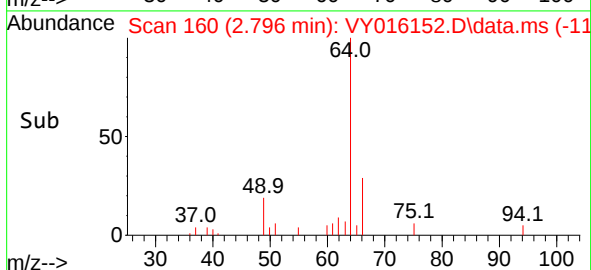
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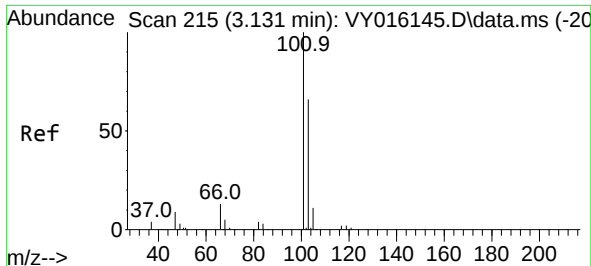


#6
Chloroethane
Concen: 2.559 ug/l
RT: 2.796 min Scan# 160
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36



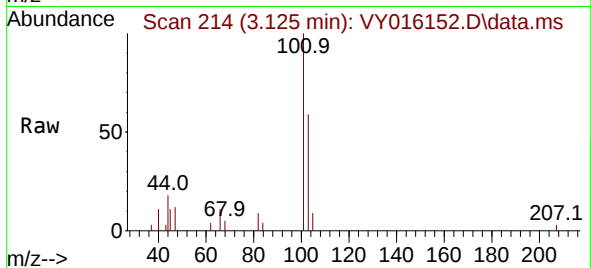
Tgt Ion: 64 Resp: 2708
Ion Ratio Lower Upper
64 100
66 29.4 24.4 36.6





#7
 Trichlorofluoromethane
 Concen: 2.206 ug/l
 RT: 3.125 min Scan# 215
 Delta R.T. -0.006 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

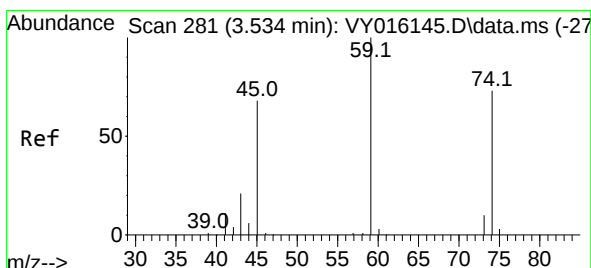
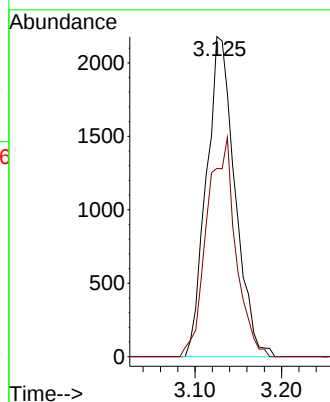
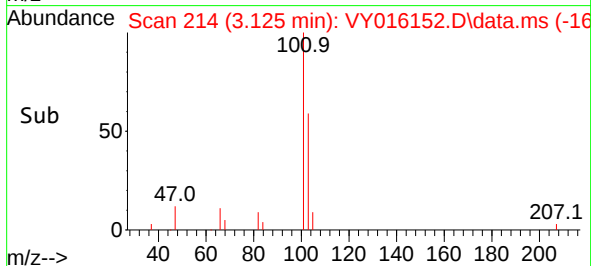
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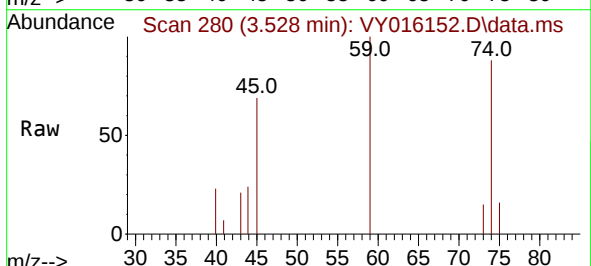
Tgt Ion: 101 Resp: 5000
 Ion Ratio Lower Upper
 101 100
 103 58.9 51.4 77.0

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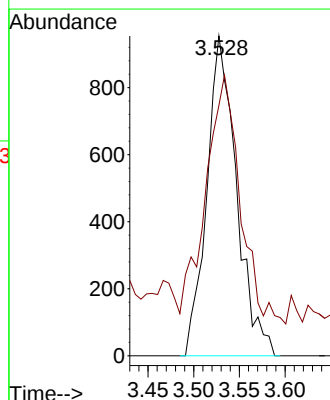
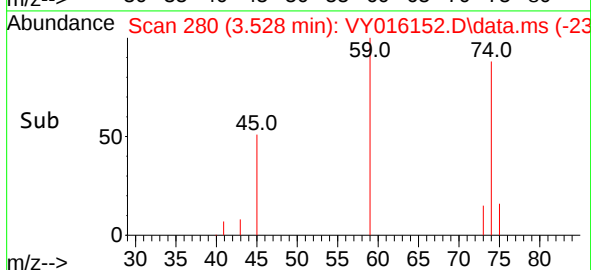
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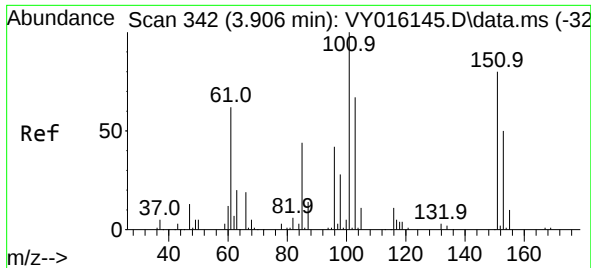


#8
 Diethyl Ether
 Concen: 2.870 ug/l
 RT: 3.528 min Scan# 280
 Delta R.T. -0.006 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36



Tgt Ion: 74 Resp: 2158
 Ion Ratio Lower Upper
 74 100
 45 90.5 51.5 154.5





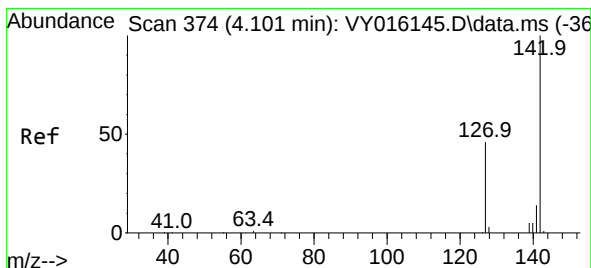
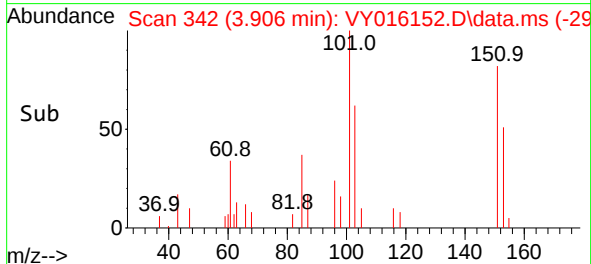
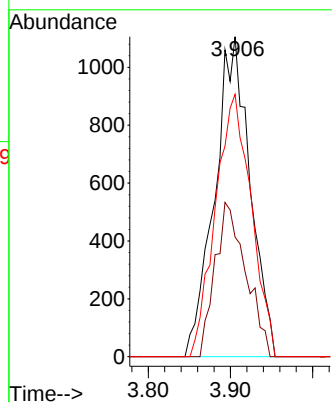
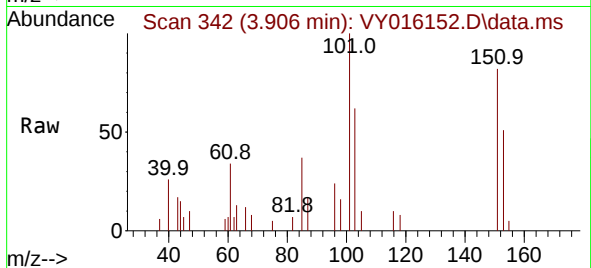
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.311 ug/l
RT: 3.906 min Scan# 342
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:101 Resp: 3304
Ion Ratio Lower Upper
101 100
85 42.0 36.6 55.0
151 83.1 67.0 100.6

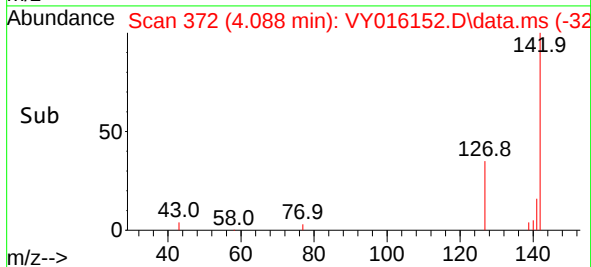
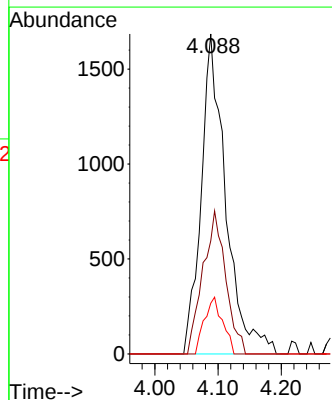
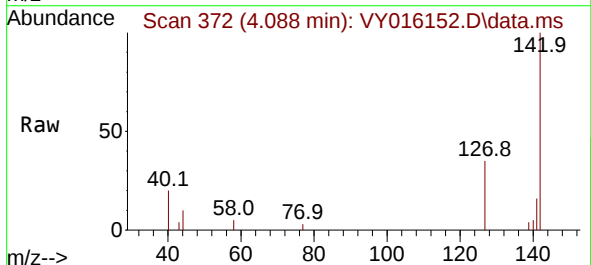
Manual Integrations
APPROVED

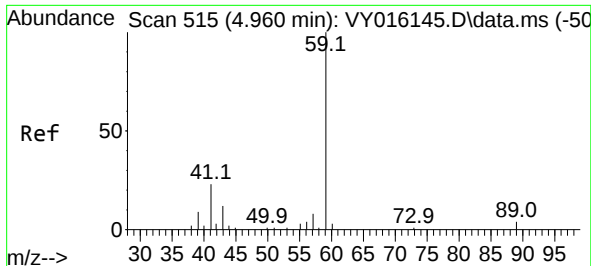
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#10
Methyl Iodide
Concen: 2.869 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

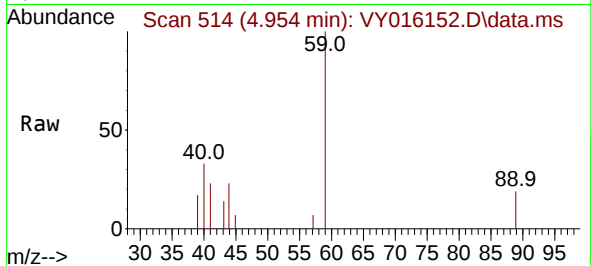
Tgt Ion:142 Resp: 4560
Ion Ratio Lower Upper
142 100
127 41.3 37.6 56.4
141 13.1 11.8 17.8





#11
Tert butyl alcohol
Concen: 28.740 ug/l
RT: 4.954 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

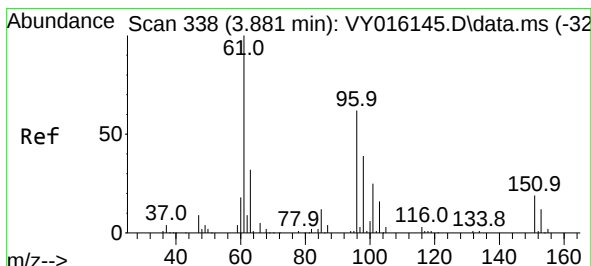
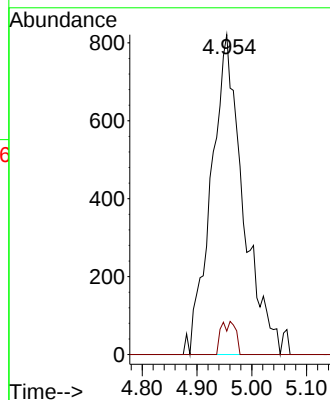
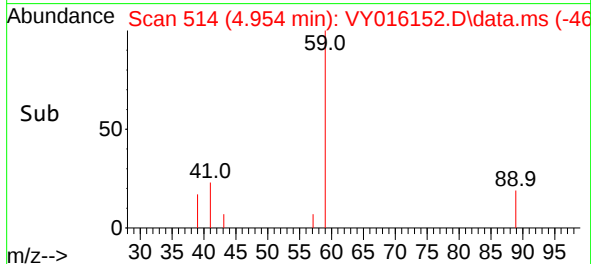
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



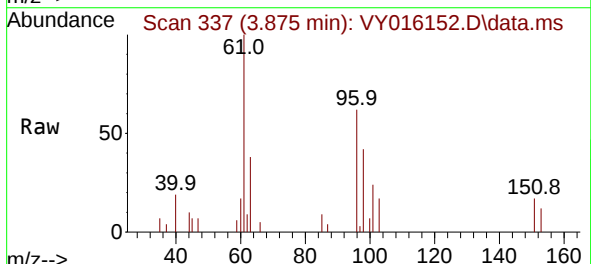
Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 2.3 3.0 4.4

Manual Integrations
APPROVED

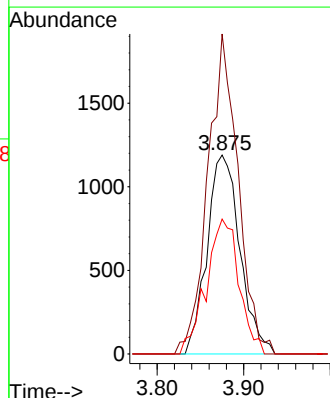
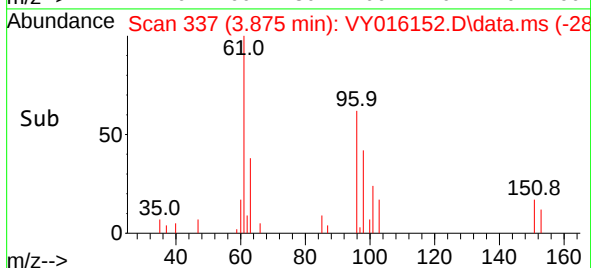
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

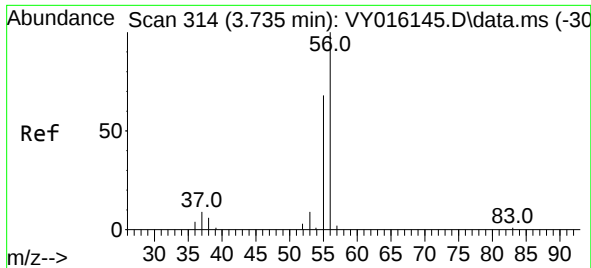


#12
1,1-Dichloroethene
Concen: 2.405 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36



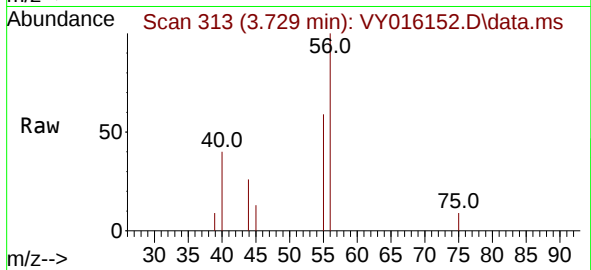
Tgt Ion: 96 Resp: 3138
Ion Ratio Lower Upper
96 100
61 160.8 136.4 204.6
98 67.8 49.4 74.2





#13
Acrolein
Concen: 7.690 ug/l
RT: 3.729 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

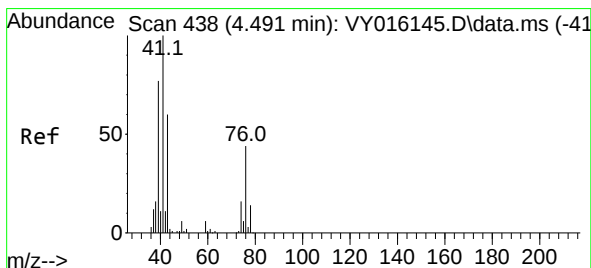
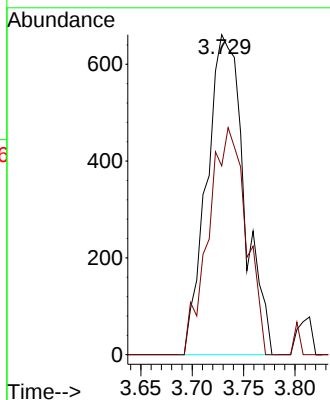
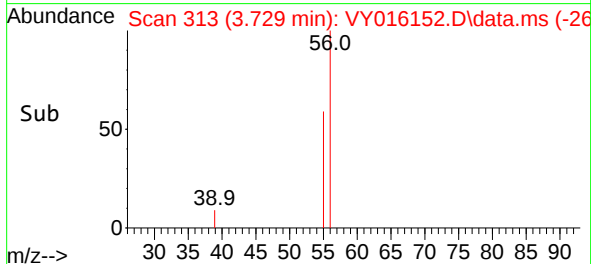
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 56 Resp: 1670
Ion Ratio Lower Upper
56 100
55 71.3 57.0 85.4

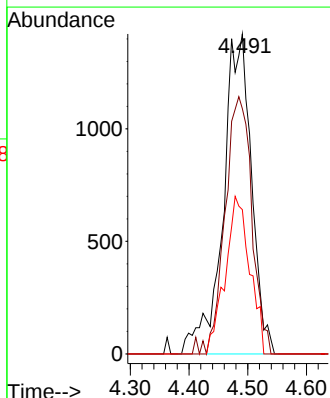
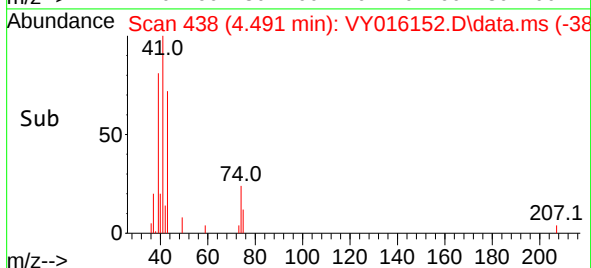
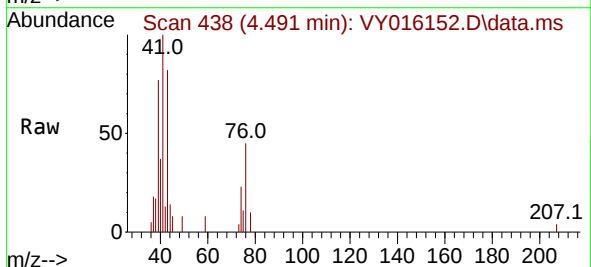
Manual Integrations
APPROVED

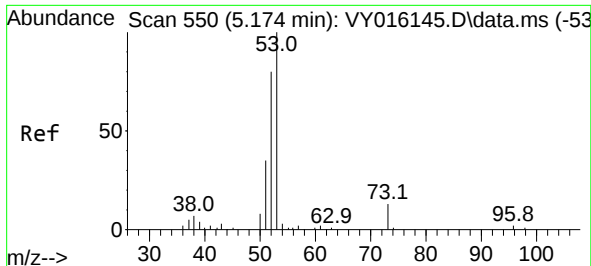
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#14
Allyl chloride
Concen: 2.550 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

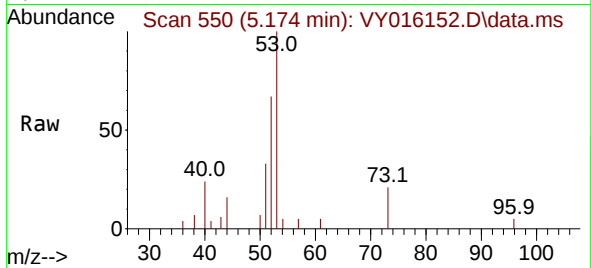
Tgt Ion: 41 Resp: 4759
Ion Ratio Lower Upper
41 100
39 75.6 58.0 87.0
76 42.7 27.4 41.2#





#15
Acrylonitrile
Concen: 13.701 ug/l
RT: 5.174 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

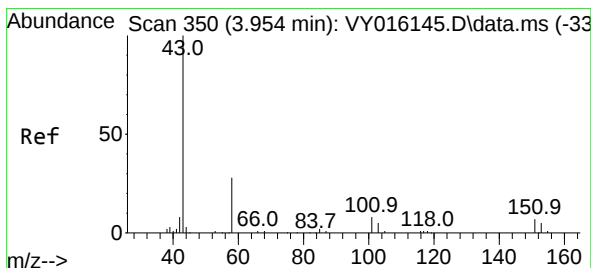
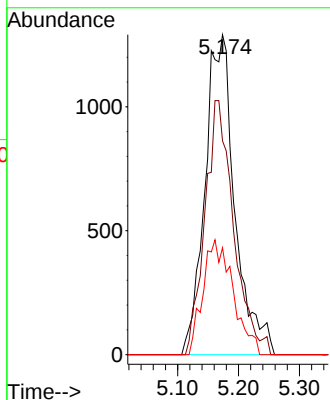
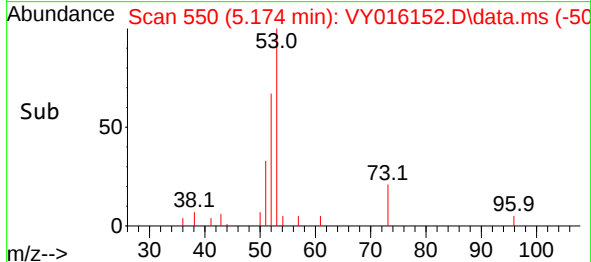
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 53 Resp: 440
Ion Ratio Lower Upper
53 100
52 76.4 66.9 100.3
51 36.1 29.8 44.6

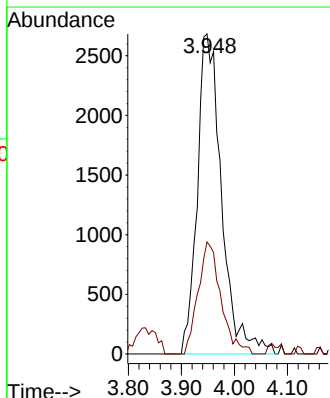
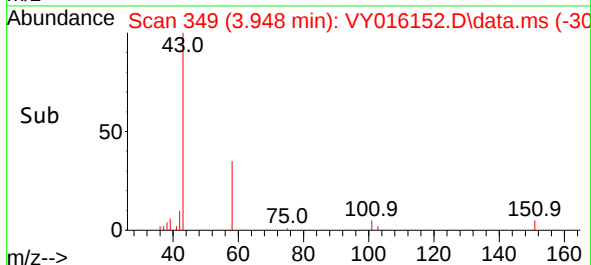
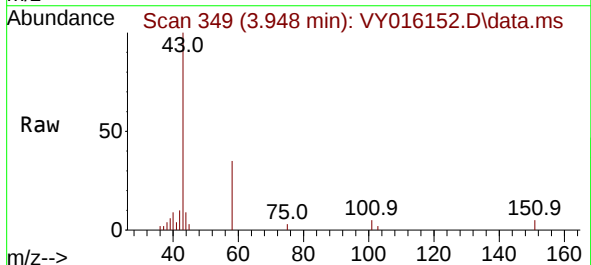
Manual Integrations
APPROVED

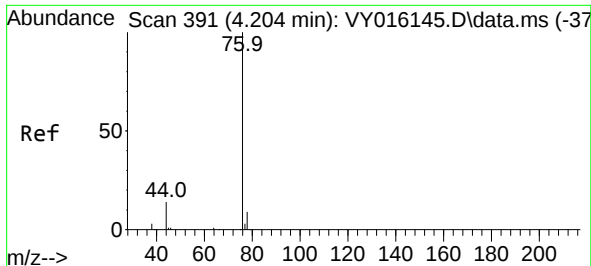
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#16
Acetone
Concen: 16.896 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

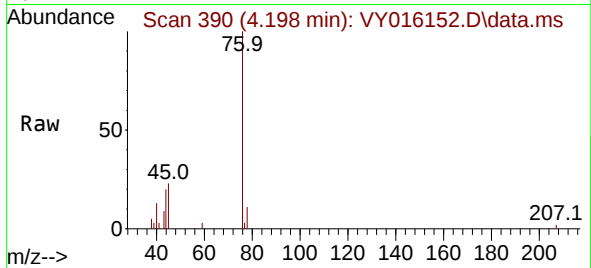
Tgt Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
58 35.0 22.7 34.1#





#17
Carbon Disulfide
Concen: 2.385 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

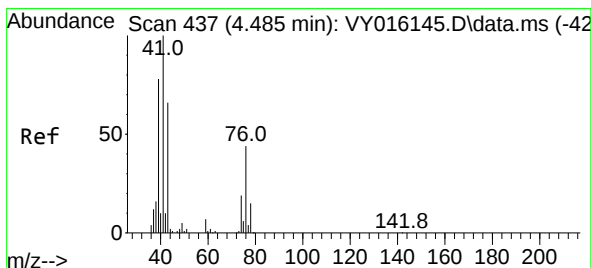
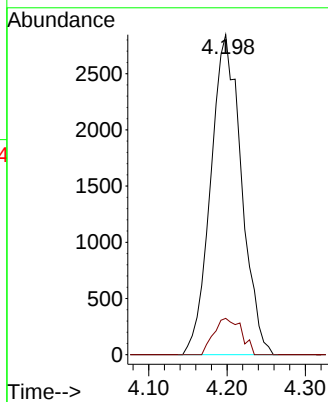
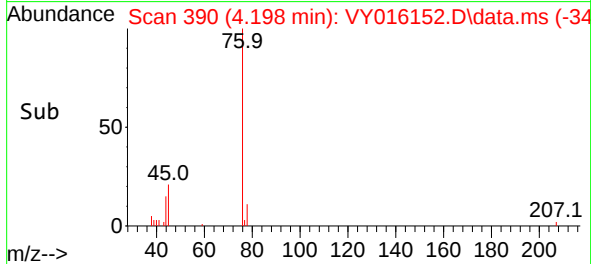
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



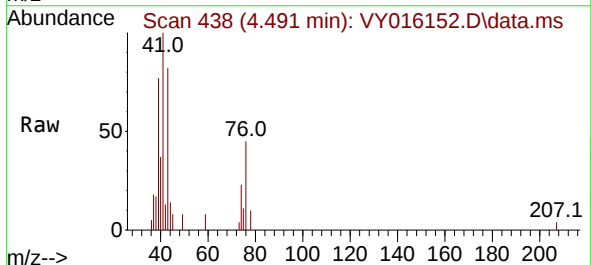
Tgt Ion: 76 Resp: 7769
Ion Ratio Lower Upper
76 100
78 11.3 7.0 10.4

Manual Integrations
APPROVED

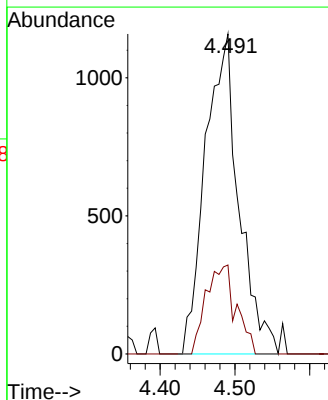
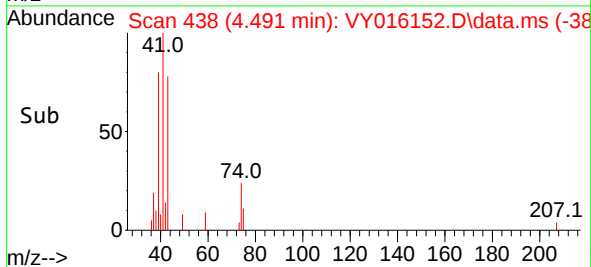
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

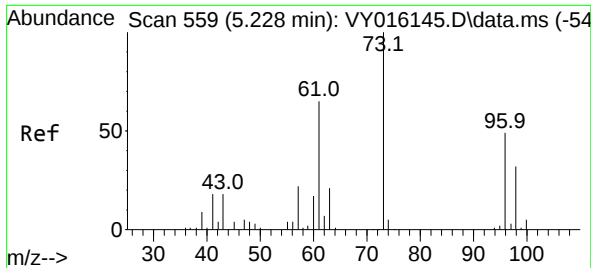


#18
Methyl Acetate
Concen: 2.921 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36



Tgt Ion: 43 Resp: 3624
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0





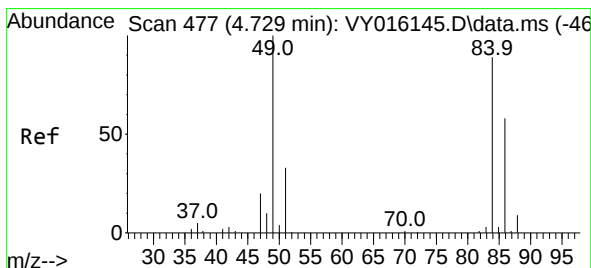
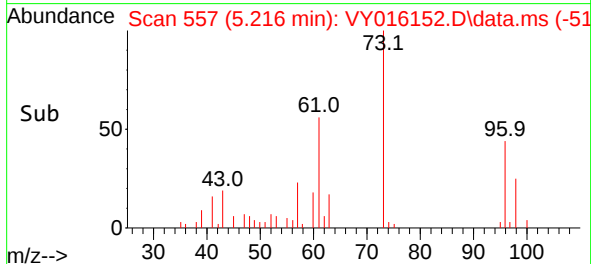
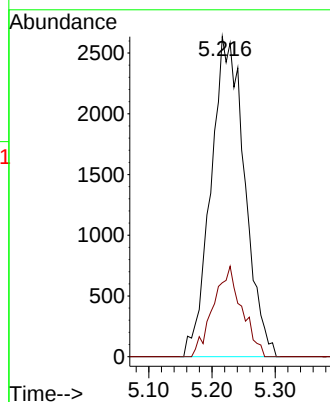
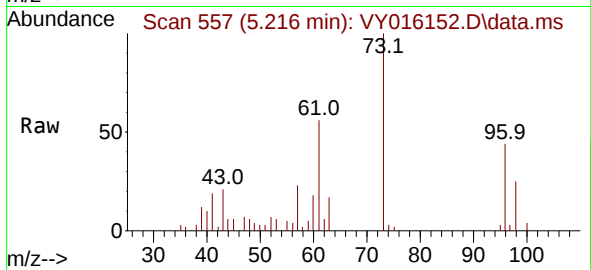
#19
Methyl tert-butyl Ether
Concen: 2.625 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 73 Resp: 974
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9

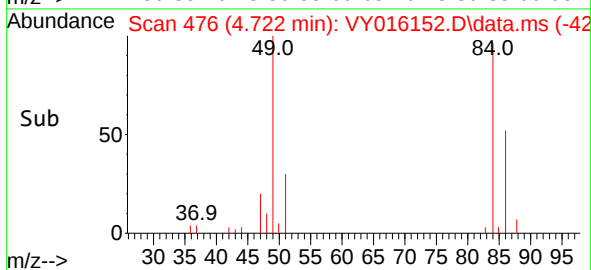
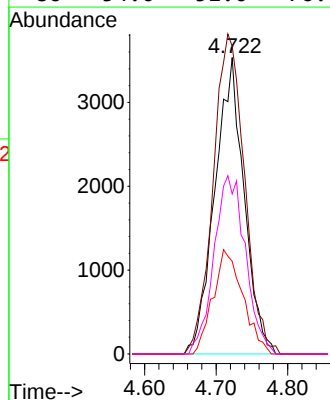
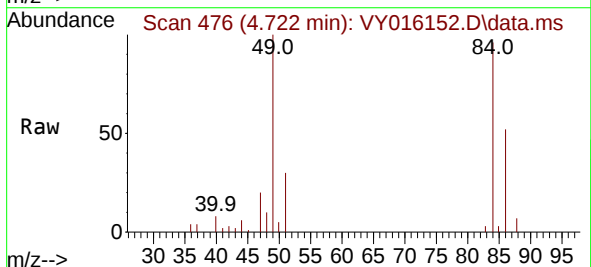
Manual Integrations
APPROVED

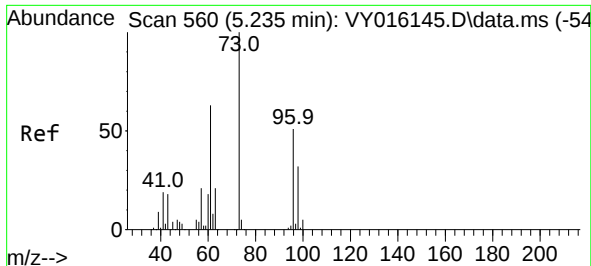
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#20
Methylene Chloride
Concen: 3.555 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.007 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

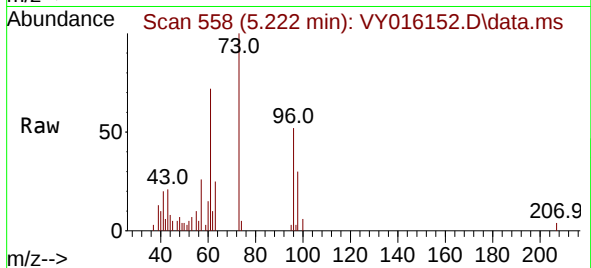
Tgt Ion: 84 Resp: 10019
Ion Ratio Lower Upper
84 100
49 103.8 106.9 160.3#
51 31.3 33.2 49.8#
86 54.0 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 2.466 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

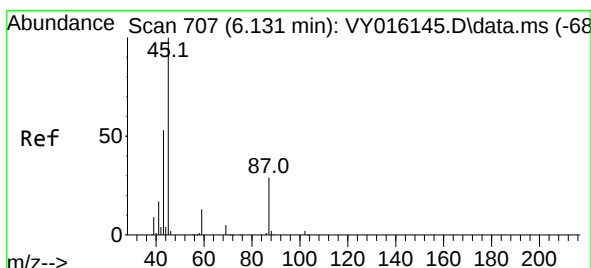
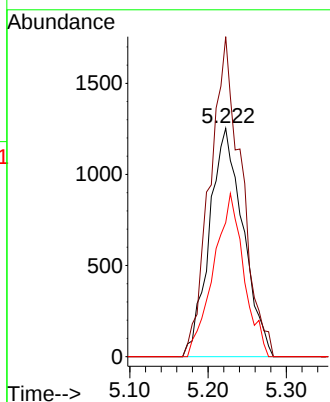
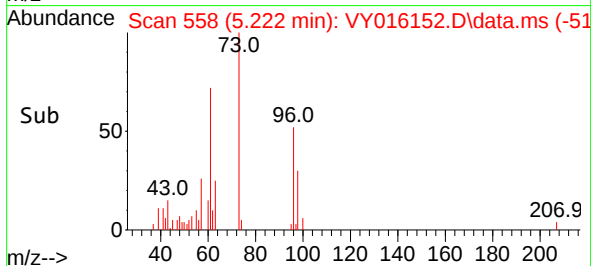
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 96 Resp: 374
Ion Ratio Lower Upper
96 100
61 140.1 110.2 165.4
98 58.7 51.8 77.6

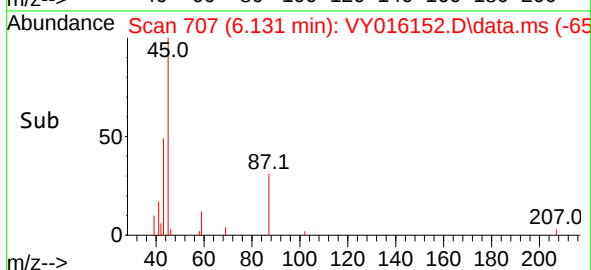
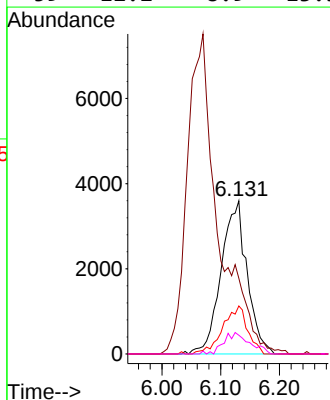
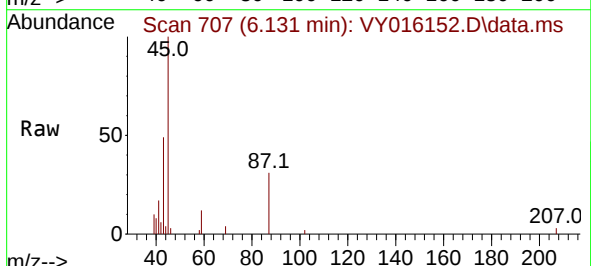
Manual Integrations
APPROVED

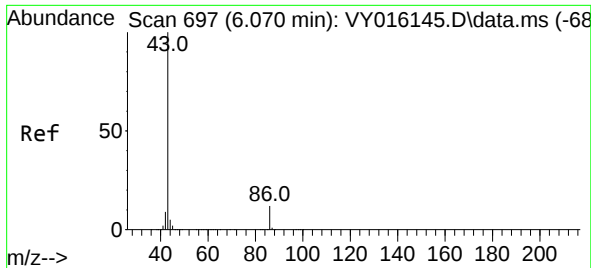
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#22
Diisopropyl ether
Concen: 2.448 ug/l
RT: 6.131 min Scan# 707
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

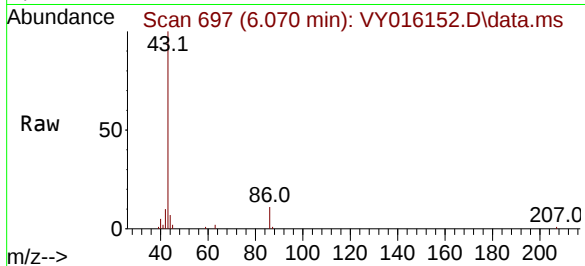
Tgt Ion: 45 Resp: 11050
Ion Ratio Lower Upper
45 100
43 46.6 52.2 78.4#
87 31.4 21.0 31.6
59 12.2 8.9 13.3





#23
 Vinyl Acetate
 Concen: 12.404 ug/l
 RT: 6.070 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

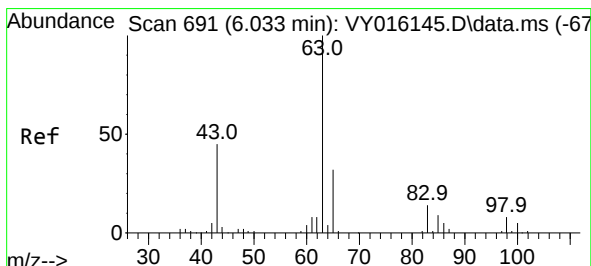
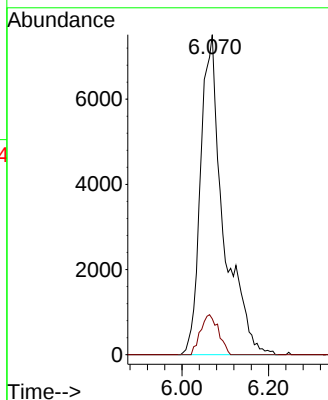
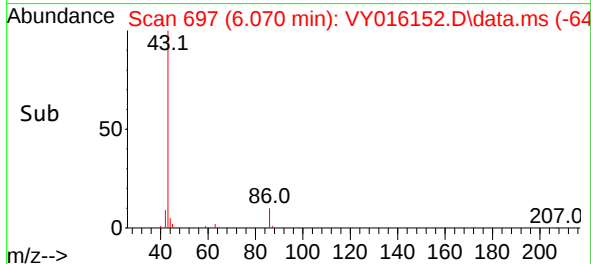
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 2.5PPB



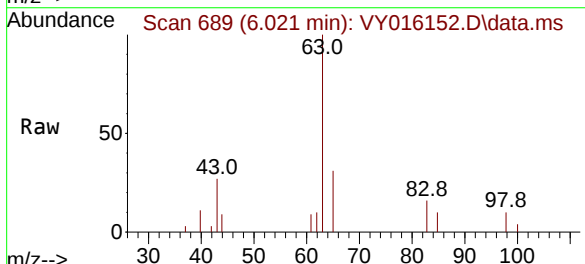
Tgt Ion: 43 Resp: 27489
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.5 11.3

Manual Integrations
 APPROVED

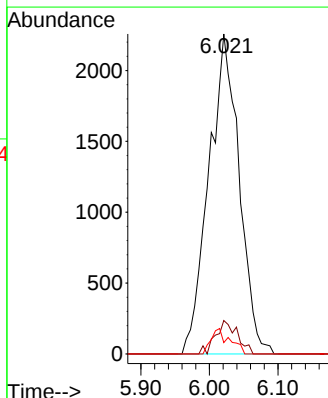
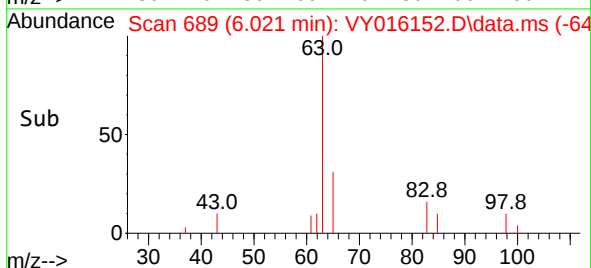
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023

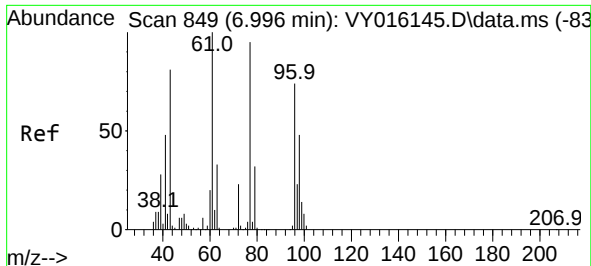


#24
 1,1-Dichloroethane
 Concen: 2.571 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. -0.012 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36



Tgt Ion: 63 Resp: 6945
 Ion Ratio Lower Upper
 63 100
 98 10.5 3.1 9.4#
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 18.928 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.012 min

Lab File: VY016152.D

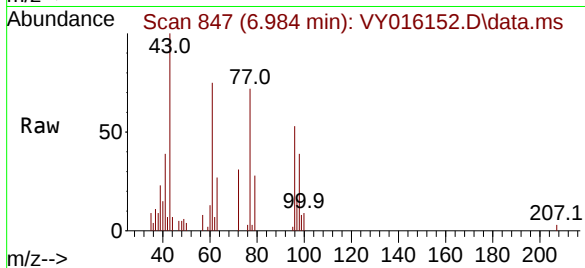
Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB



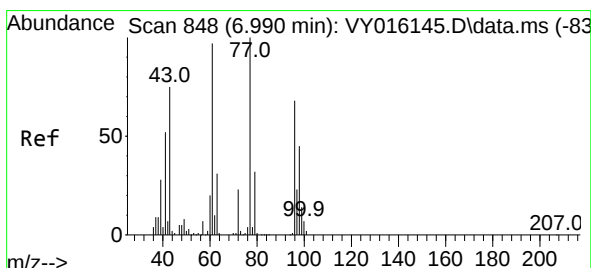
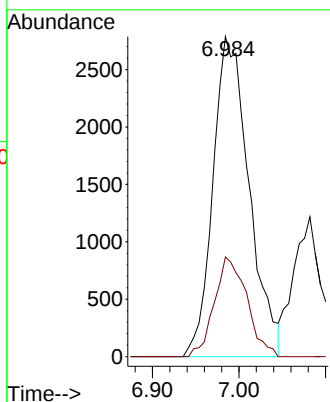
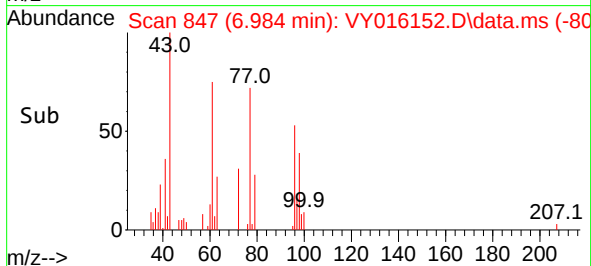
Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 31.1 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#26

2,2-Dichloropropane

Concen: 2.364 ug/l

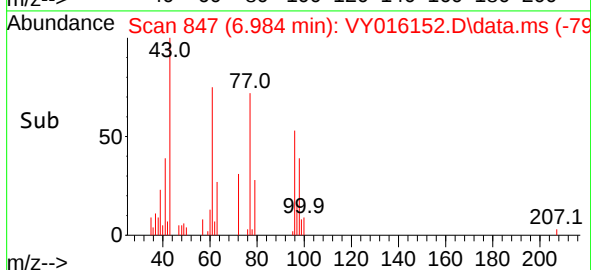
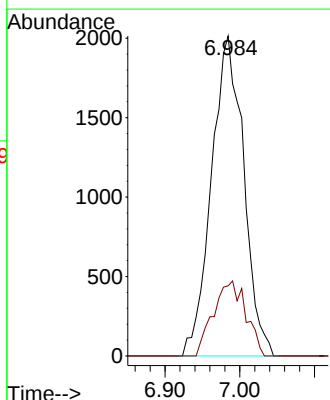
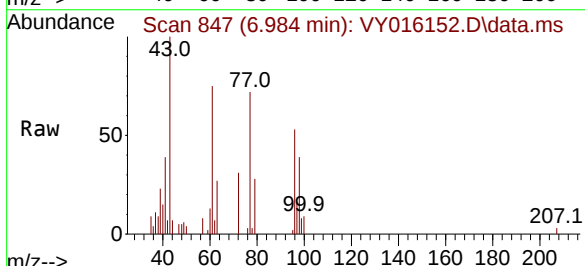
RT: 6.984 min Scan# 847

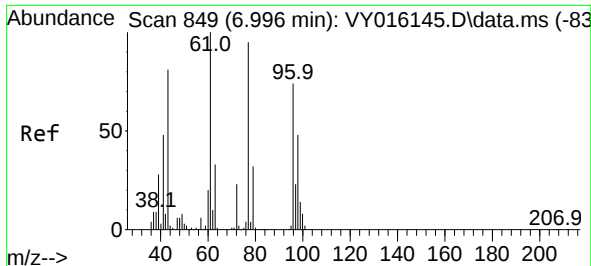
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion: 77 Resp: 6036
Ion Ratio Lower Upper
77 100
97 23.6 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 2.564 ug/l

RT: 6.990 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016152.D

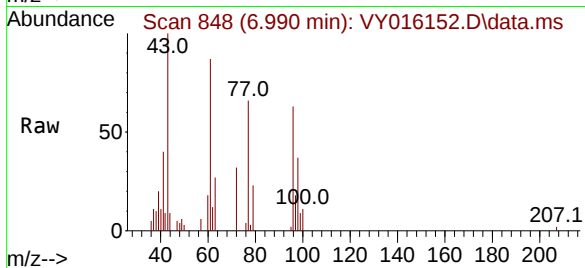
Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB



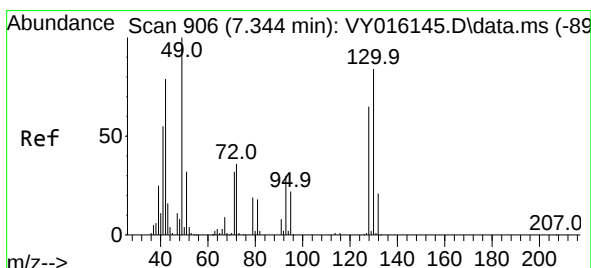
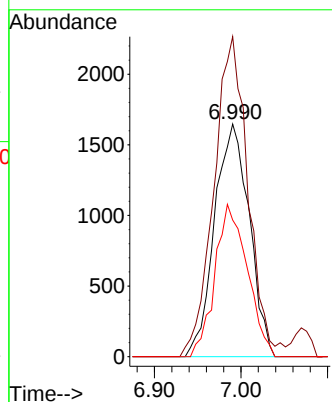
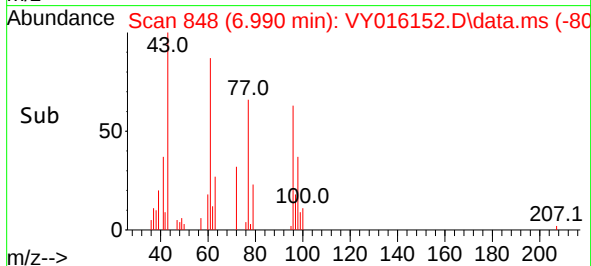
Tgt Ion: 96	Resp: 458
Ion Ratio	Lower Upper
96	100
61	135.2 0.0 301.4
98	61.1 0.0 130.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#28

Bromochloromethane

Concen: 2.176 ug/l

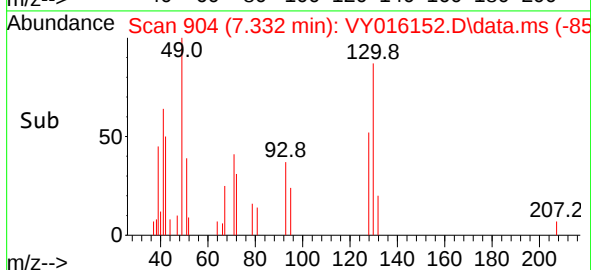
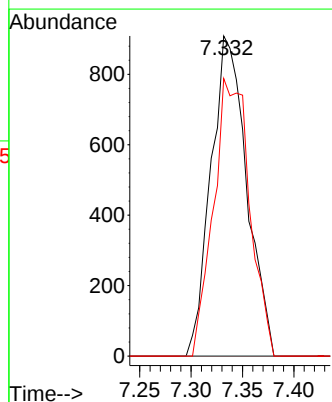
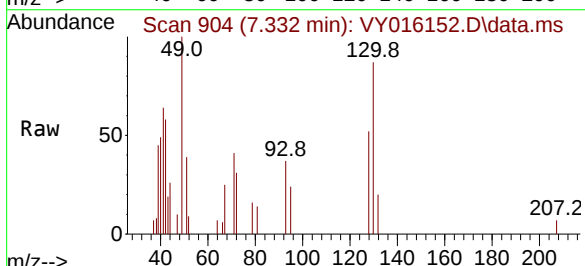
RT: 7.332 min Scan# 904

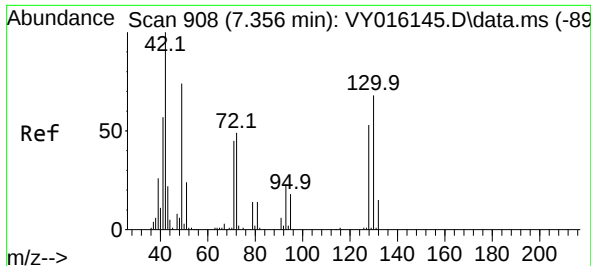
Delta R.T. -0.012 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion: 49	Resp: 2200
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.6
130	87.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 12.896 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

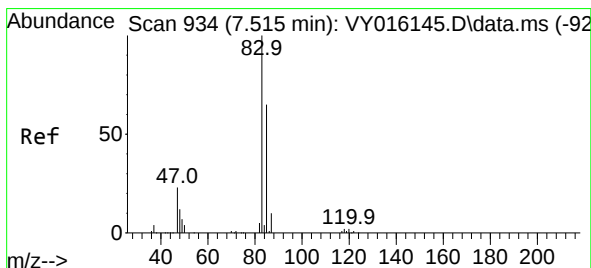
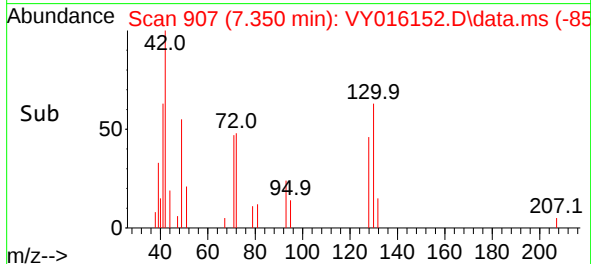
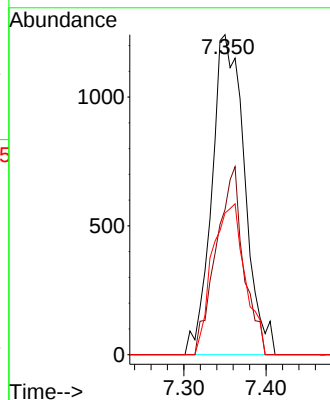
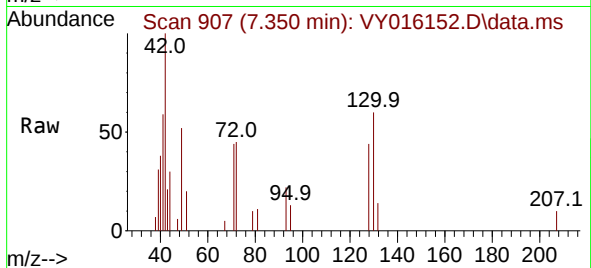
Tgt Ion: 42	Resp: 344
Ion Ratio	Lower Upper
42	100
72	49.3 32.8 49.2
71	47.1 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#30

Chloroform

Concen: 2.535 ug/l

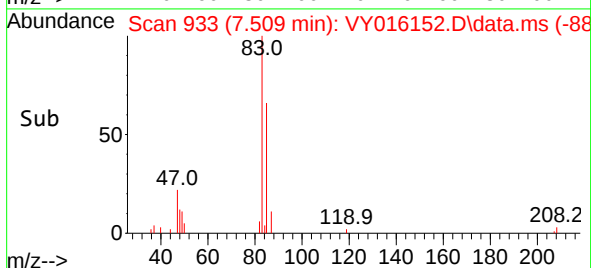
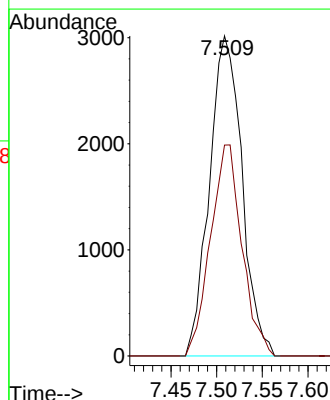
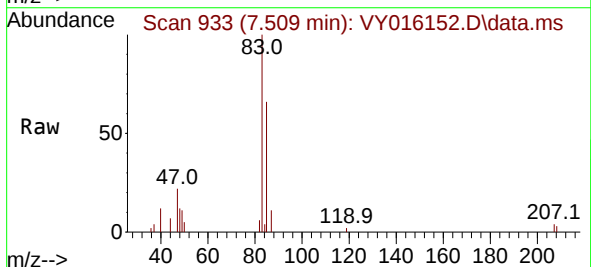
RT: 7.509 min Scan# 933

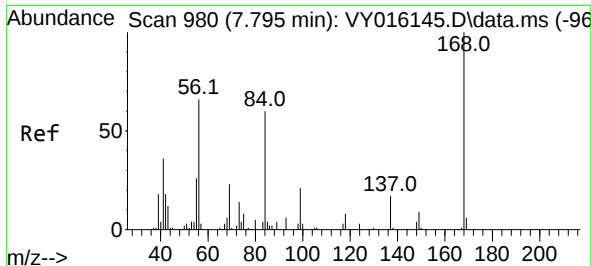
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

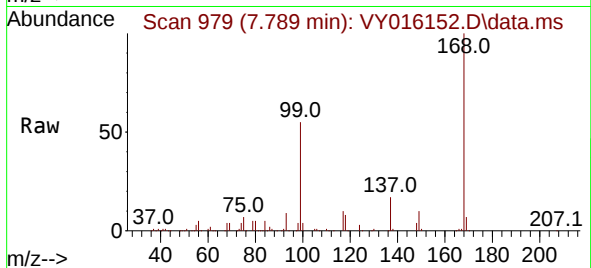
Tgt Ion: 83	Resp: 7455
Ion Ratio	Lower Upper
83	100
85	65.9 49.7 74.5





#31
Cyclohexane
Concen: 3.438 ug/l
RT: 7.789 min Scan# 915
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

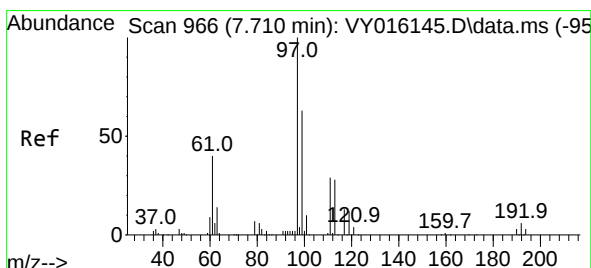
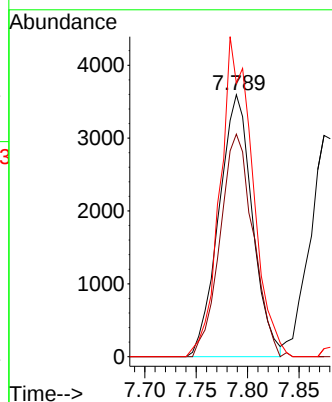
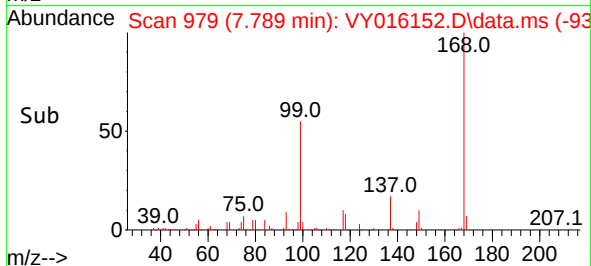
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 56 Resp: 815
Ion Ratio Lower Upper
56 100
69 85.0 27.8 41.6
84 104.4 66.4 99.6

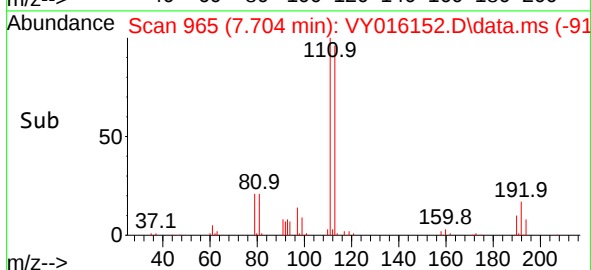
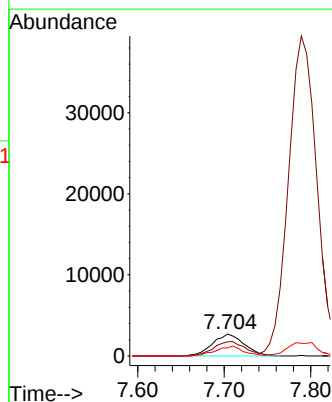
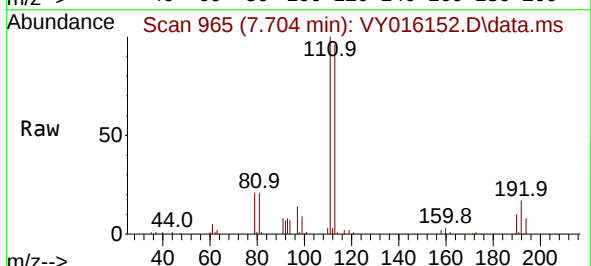
Manual Integrations
APPROVED

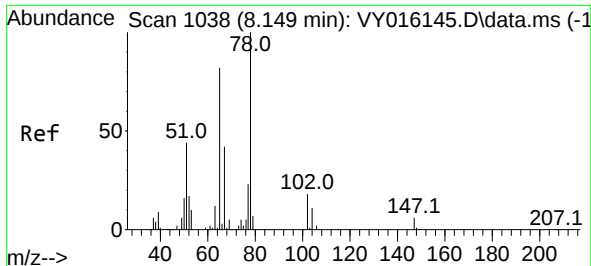
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#32
1,1,1-Trichloroethane
Concen: 2.523 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion: 97 Resp: 6804
Ion Ratio Lower Upper
97 100
99 65.4 50.8 76.2
61 39.1 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 54.223 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 65 Resp: 83659

Ion Ratio Lower Upper

65 100

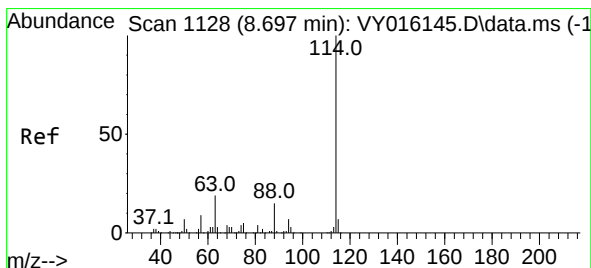
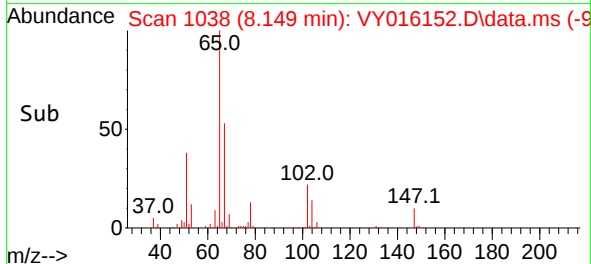
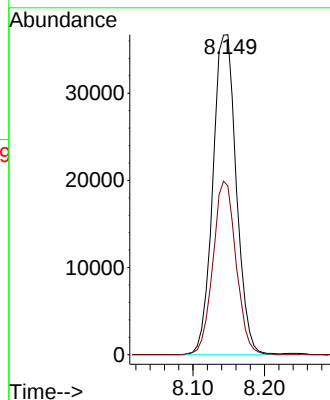
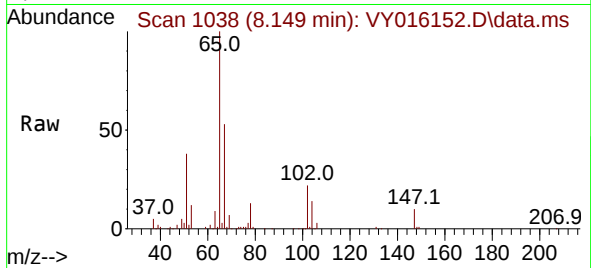
67 53.4 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

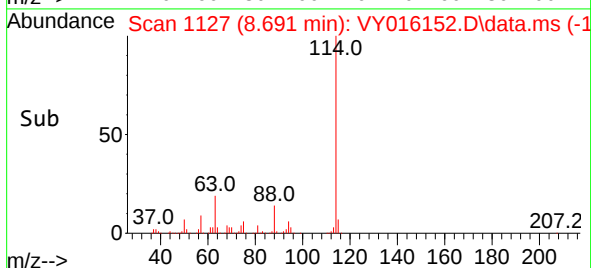
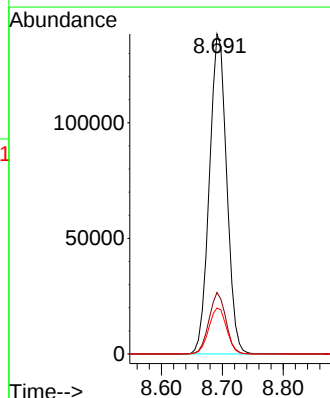
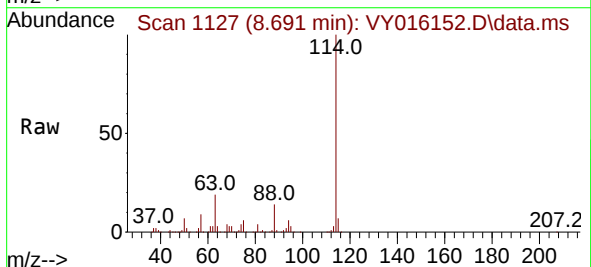
Tgt Ion:114 Resp: 273073

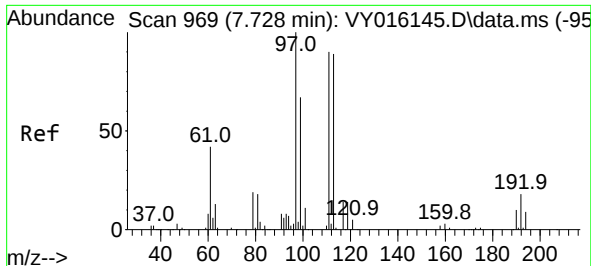
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

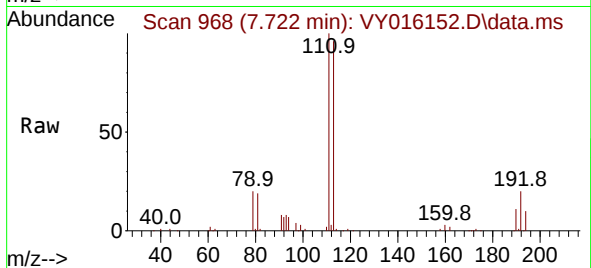
88 14.3 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.136 ug/l
RT: 7.722 min Scan# 901
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

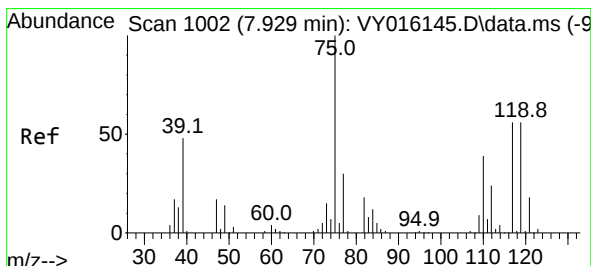
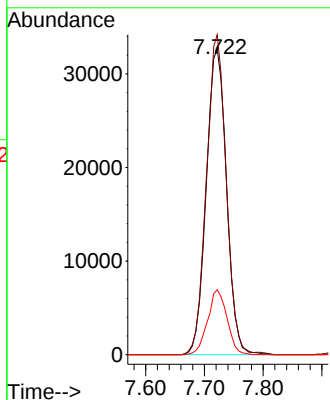
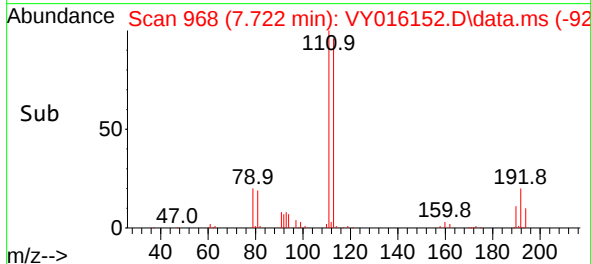
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



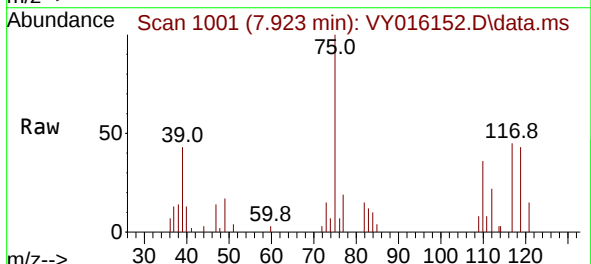
Tgt Ion: 113 Resp: 78364
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 20.3 16.9 25.3

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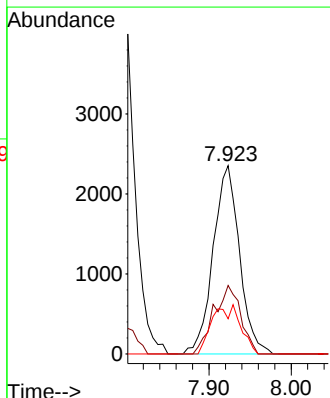
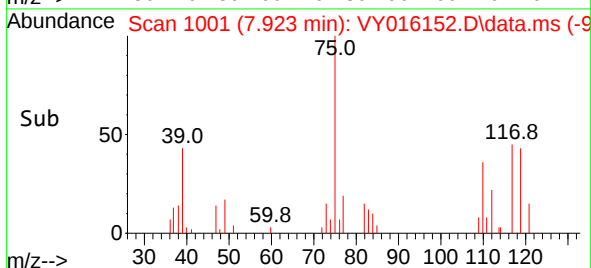
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

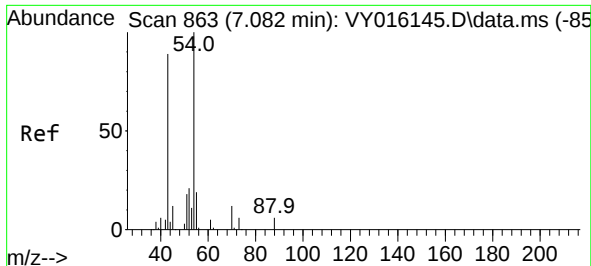


#36
1,1-Dichloropropene
Concen: 2.235 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36



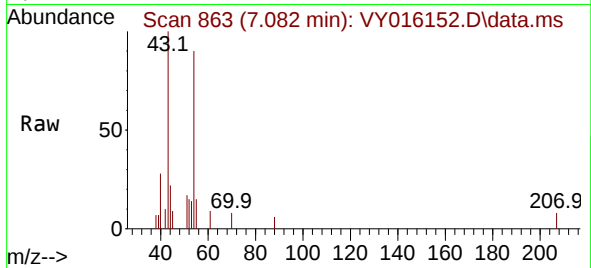
Tgt Ion: 75 Resp: 5253
Ion Ratio Lower Upper
75 100
110 37.1 17.8 53.5
77 28.0 24.4 36.6





#37
Ethyl Acetate
Concen: 2.851 ug/l
RT: 7.082 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

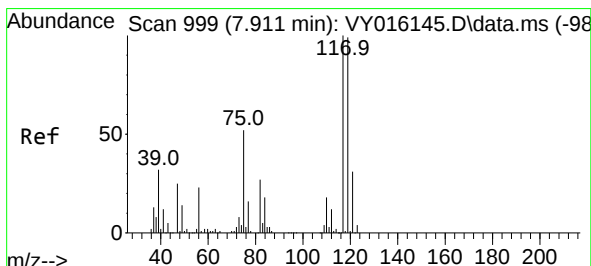
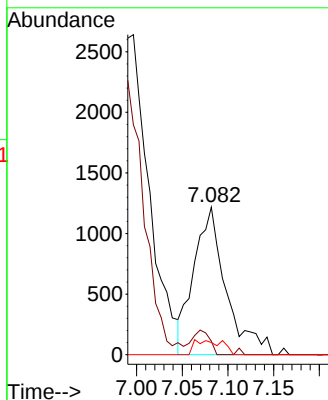
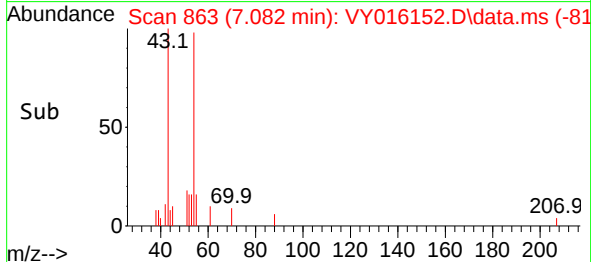
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 43 Resp: 2985
Ion Ratio Lower Upper
43 100
61 9.2 10.1 15.1
70 8.5 7.1 10.7

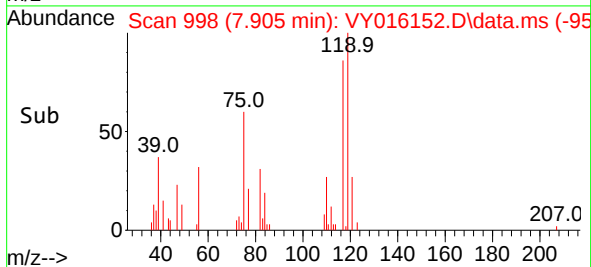
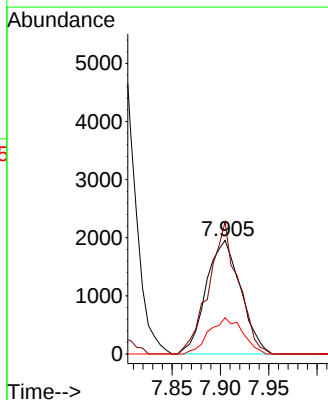
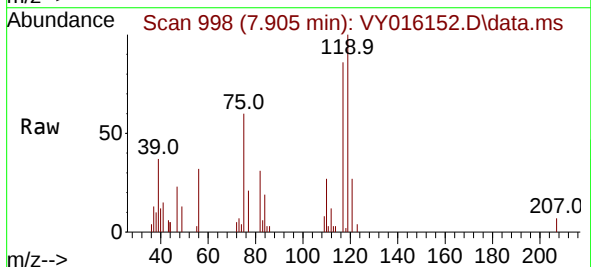
Manual Integrations
APPROVED

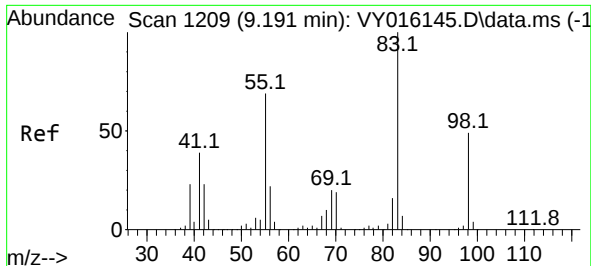
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#38
Carbon Tetrachloride
Concen: 2.095 ug/l
RT: 7.905 min Scan# 998
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:117 Resp: 4880
Ion Ratio Lower Upper
117 100
119 116.0 76.4 114.6#
121 31.8 25.8 38.6





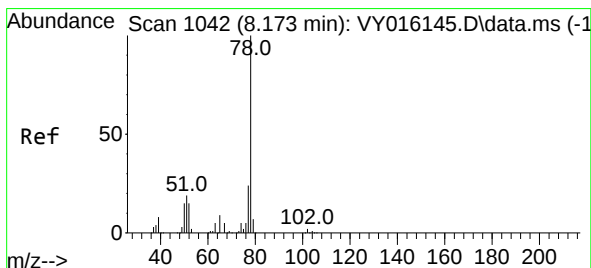
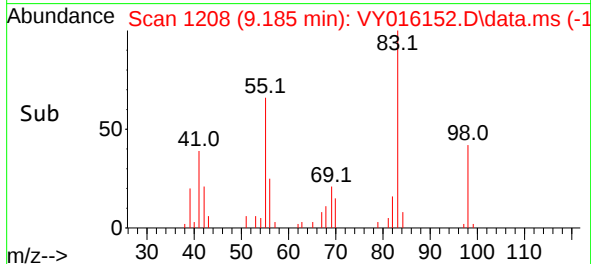
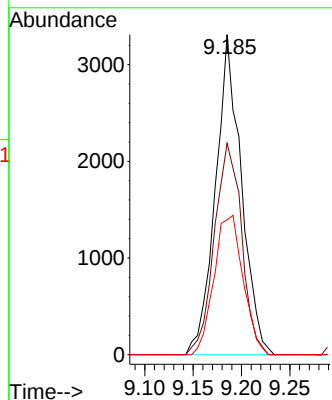
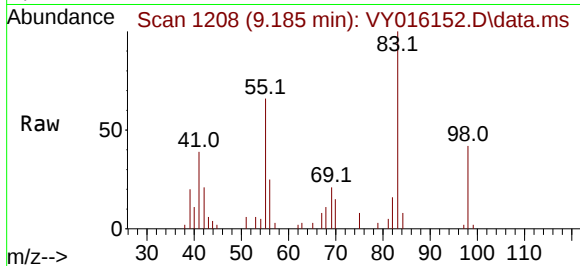
#39
Methylcyclohexane
Concen: 2.192 ug/l
RT: 9.185 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 83 Resp: 6150
Ion Ratio Lower Upper
83 100
55 66.1 63.0 94.4
98 42.2 37.4 56.2

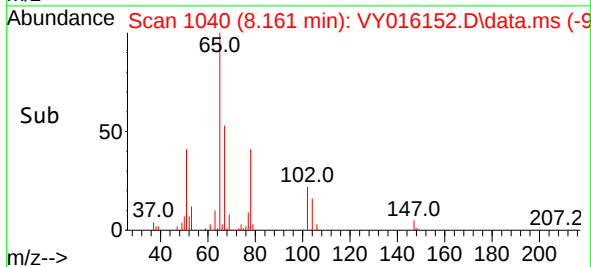
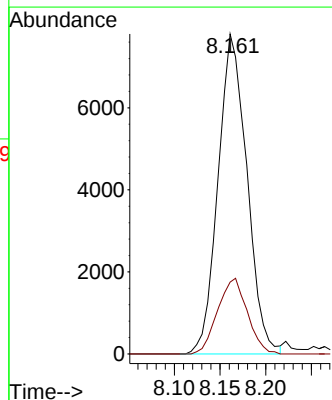
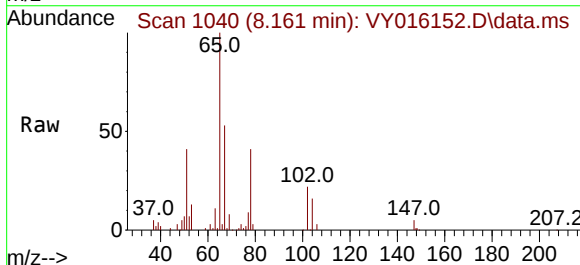
Manual Integrations
APPROVED

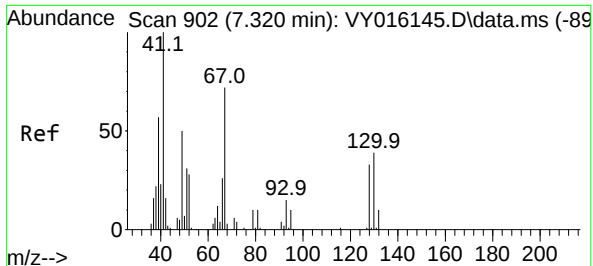
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#40
Benzene
Concen: 2.541 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

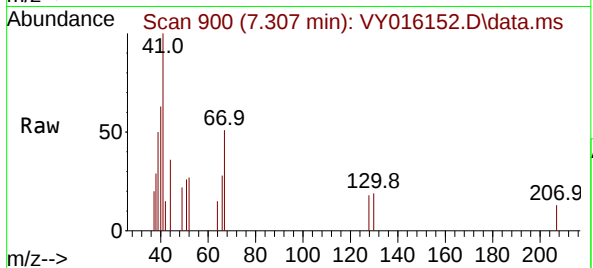
Tgt Ion: 78 Resp: 17148
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.6





#41
Methacrylonitrile
Concen: 2.040 ug/l m
RT: 7.307 min Scan# 902
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

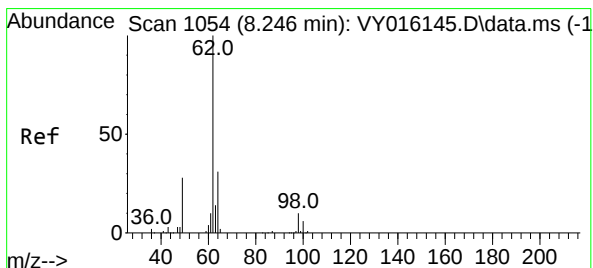
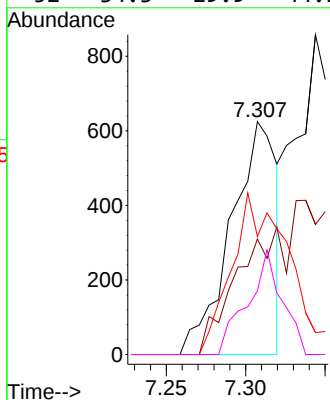
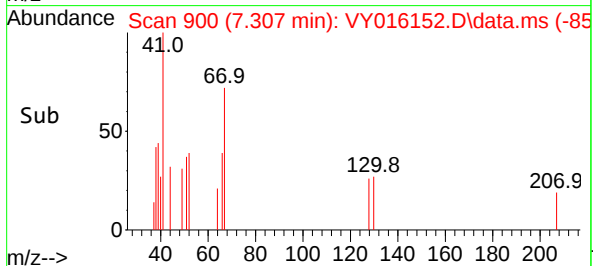
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 41 Resp: 1240
Ion Ratio Lower Upper
41 100
39 0.0 52.1 78.1
67 86.0 66.2 99.2
52 34.3 29.9 44.9

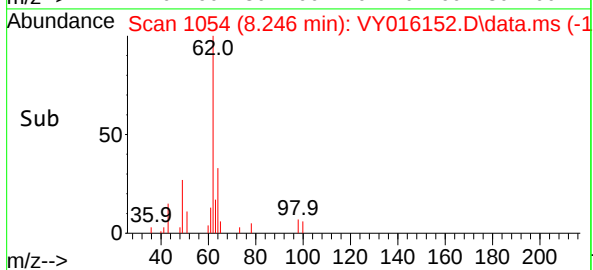
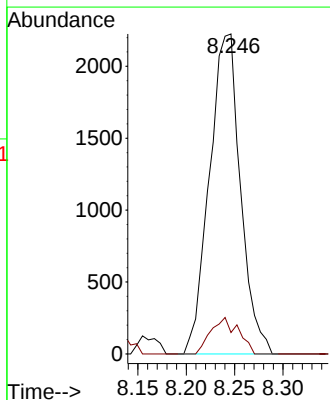
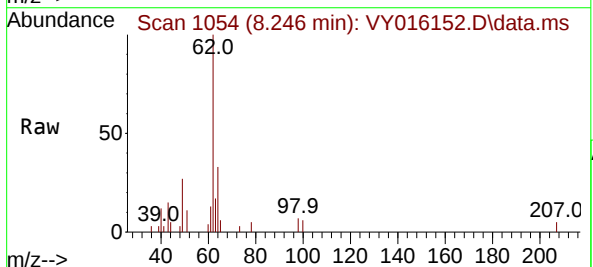
Manual Integrations
APPROVED

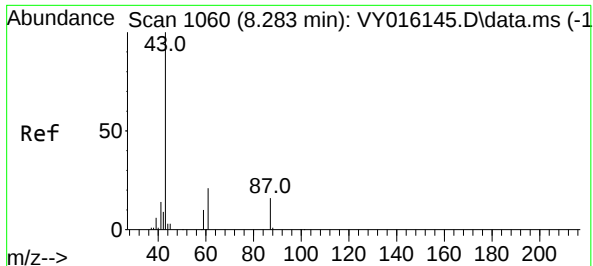
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#42
1,2-Dichloroethane
Concen: 2.640 ug/l
RT: 8.246 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion: 62 Resp: 4972
Ion Ratio Lower Upper
62 100
98 10.1 0.0 15.8





#43

Isopropyl Acetate

Concen: 2.482 ug/l

RT: 8.277 min Scan# 1106

Delta R.T. -0.006 min

Lab File: VY016152.D

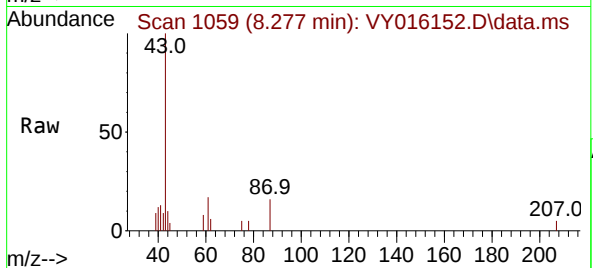
Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB



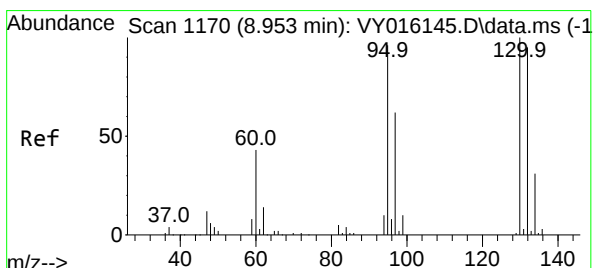
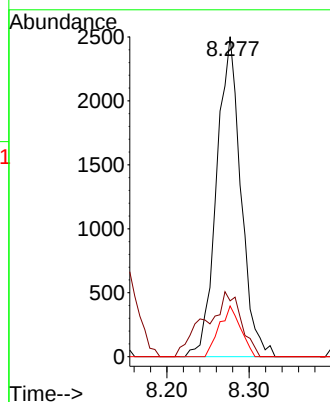
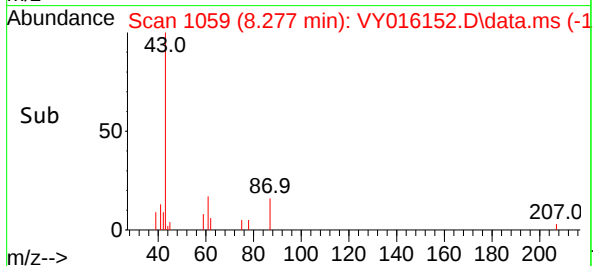
Tgt Ion: 43	Resp: 5140
Ion Ratio	Lower Upper
43	100
61	29.7 21.1 31.7
87	13.9 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#44

Trichloroethene

Concen: 2.337 ug/l

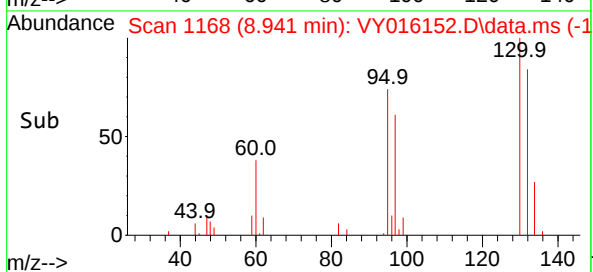
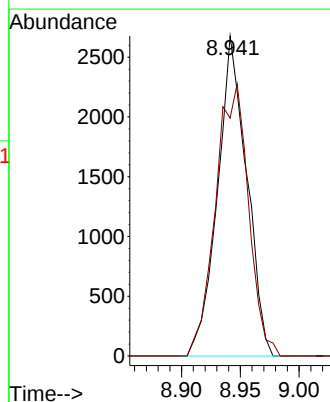
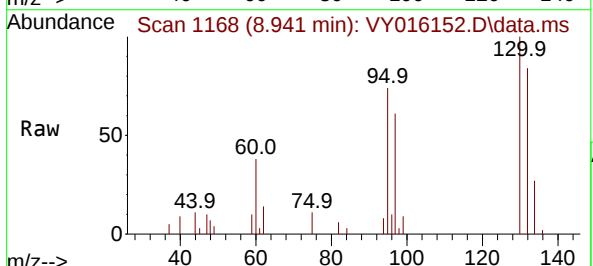
RT: 8.941 min Scan# 1168

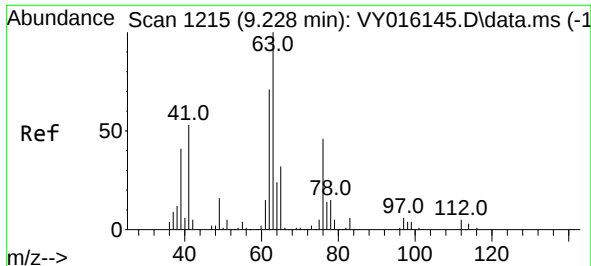
Delta R.T. -0.012 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion:130	Resp: 4616
Ion Ratio	Lower Upper
130	100
95	74.3 0.0 196.0





#45

1,2-Dichloropropane

Concen: 2.461 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. -0.012 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 63 Resp: 399

Ion Ratio Lower Upper

63 100

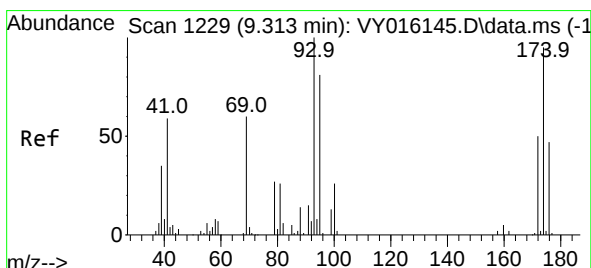
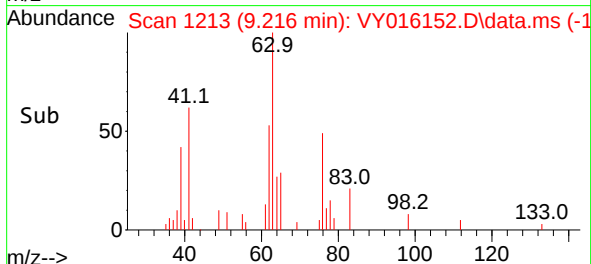
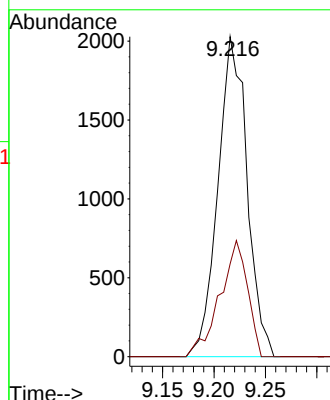
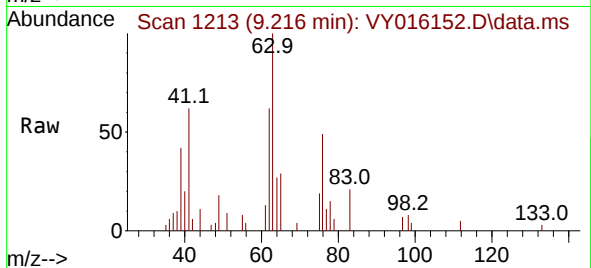
65 29.0 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#46

Dibromomethane

Concen: 2.426 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

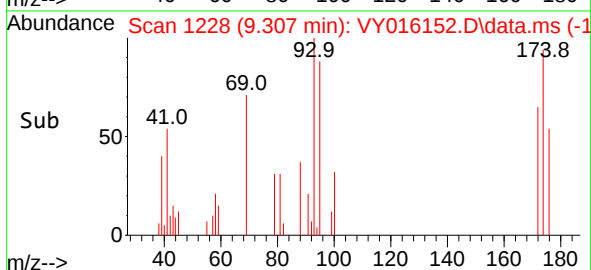
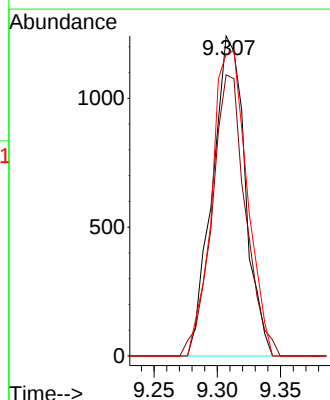
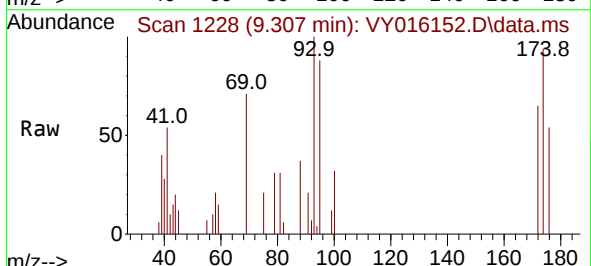
Tgt Ion: 93 Resp: 2234

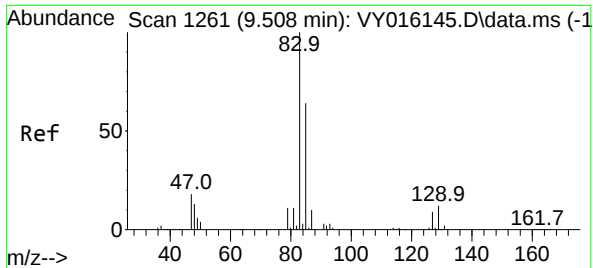
Ion Ratio Lower Upper

93 100

95 90.0 66.6 100.0

174 102.6 84.8 127.2





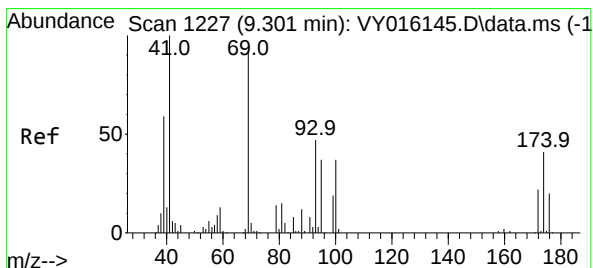
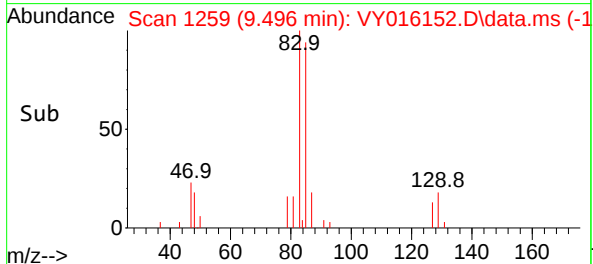
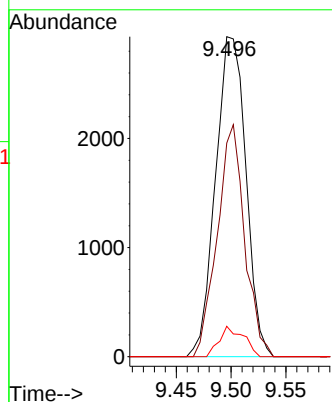
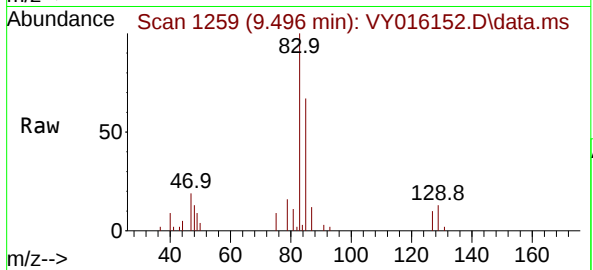
#47
Bromodichloromethane
Concen: 2.415 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.012 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 83 Resp: 565
Ion Ratio Lower Upper
83 100
85 66.8 50.1 75.1
127 9.5 7.1 10.7

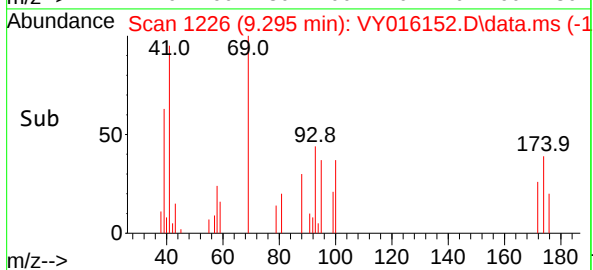
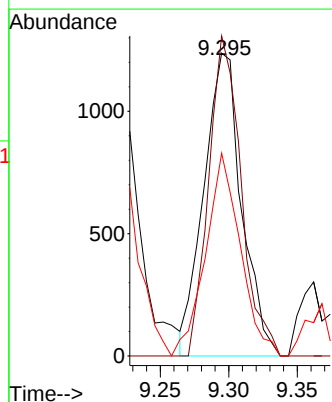
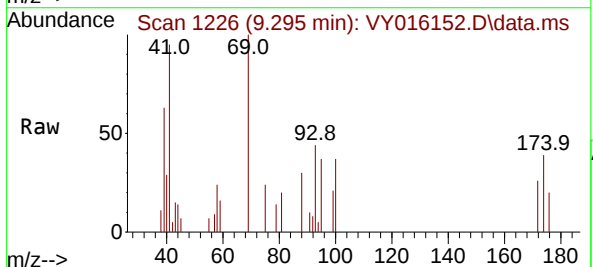
Manual Integrations
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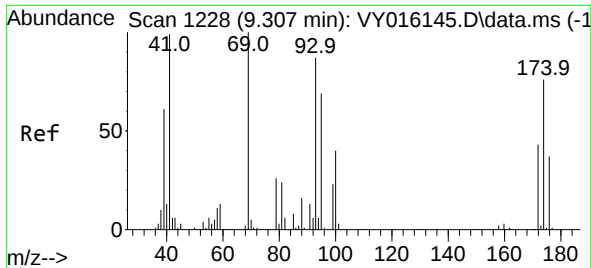
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#48
Methyl methacrylate
Concen: 2.524 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

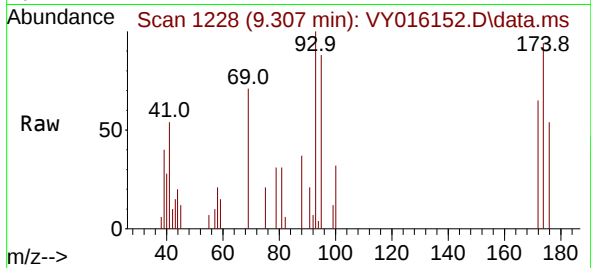
Tgt Ion: 41 Resp: 2377
Ion Ratio Lower Upper
41 100
69 90.6 64.5 96.7
39 61.4 50.8 76.2





#49
1,4-Dioxane
Concen: Below Cal
RT: 9.307 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

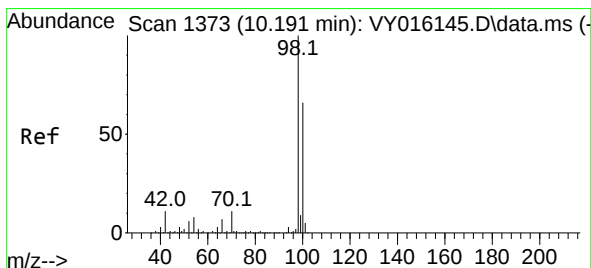
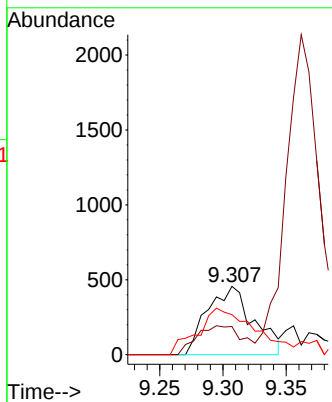
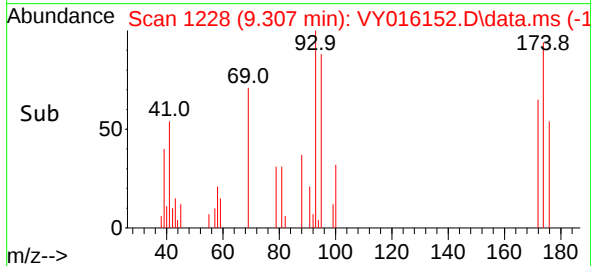
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 88 Resp: 1150
Ion Ratio Lower Upper
88 100
43 42.4 0.0 0.0
58 84.5 30.9 46.3

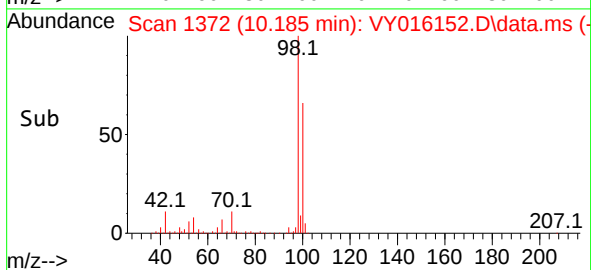
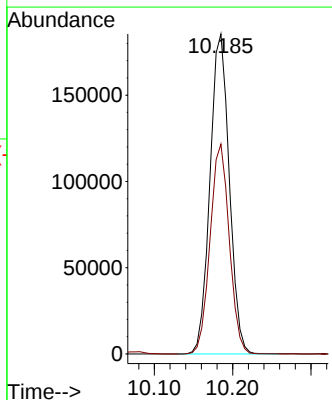
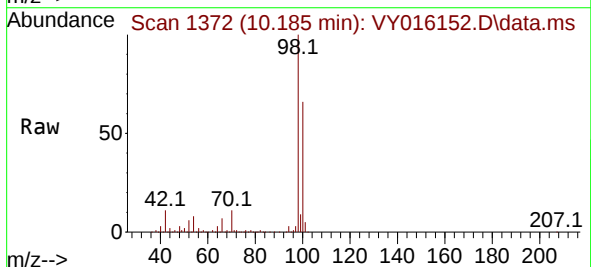
Manual Integrations
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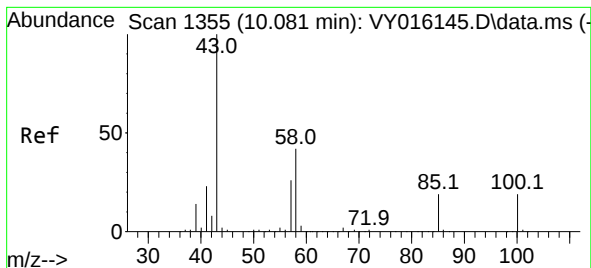
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#50
Toluene-d8
Concen: 49.128 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion: 98 Resp: 317101
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





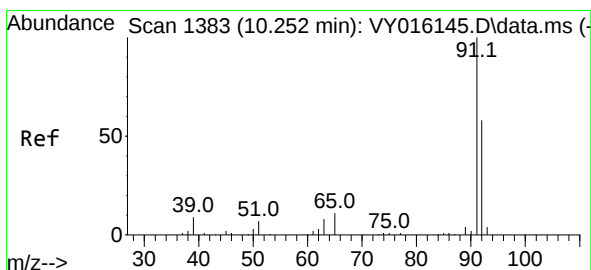
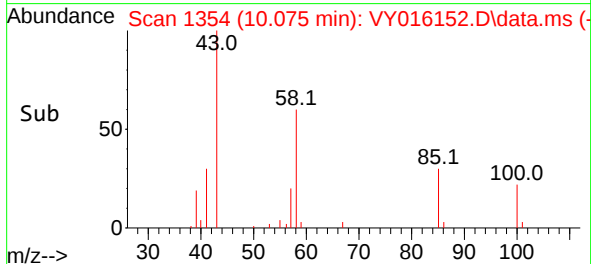
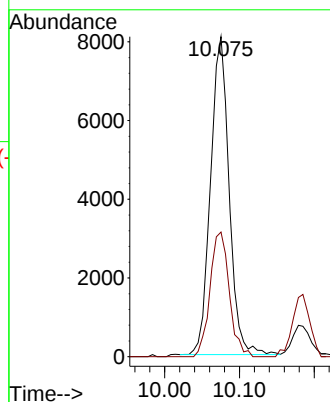
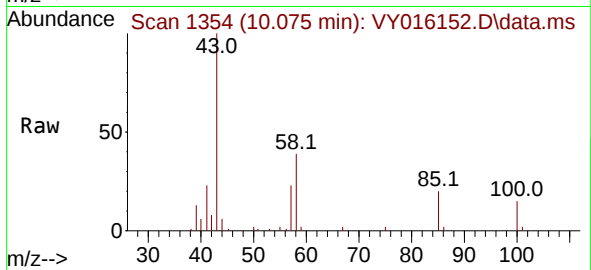
#51
4-Methyl-2-Pentanone
Concen: 13.516 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 43 Resp: 13968
Ion Ratio Lower Upper
43 100
58 40.5 29.0 43.6

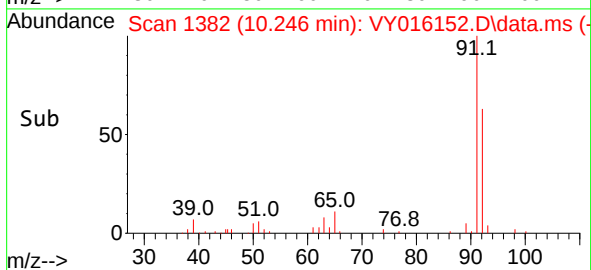
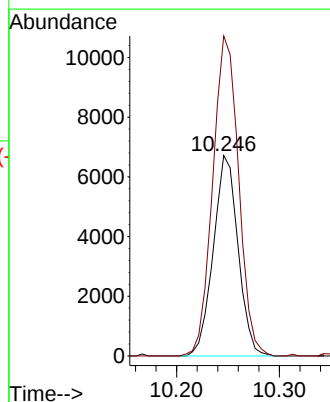
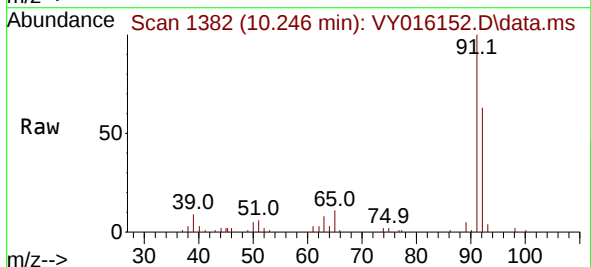
Manual Integrations
APPROVED

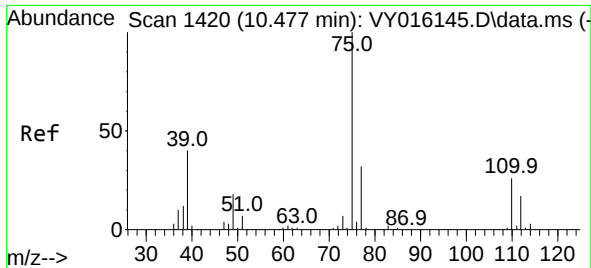
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#52
Toluene
Concen: 2.561 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion: 92 Resp: 11198
Ion Ratio Lower Upper
92 100
91 167.2 143.8 215.6





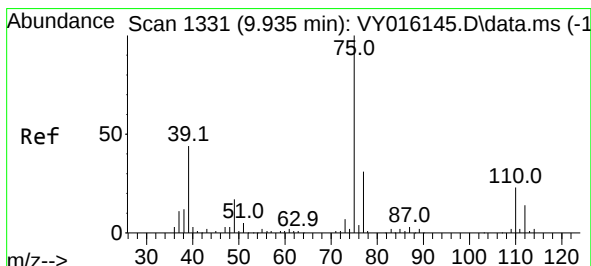
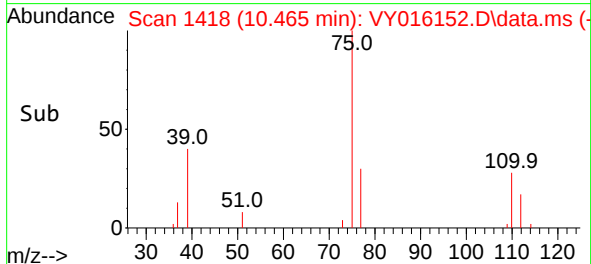
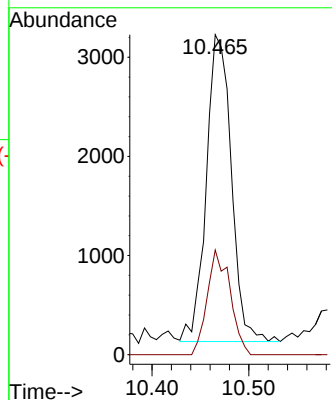
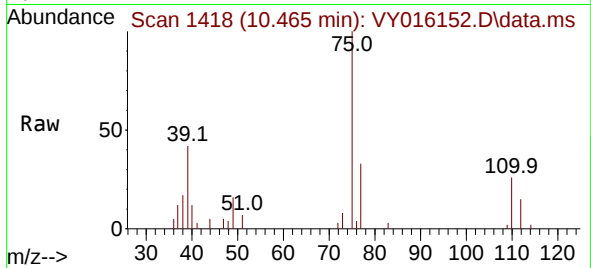
#53
 t-1,3-Dichloropropene
 Concen: 2.389 ug/l
 RT: 10.465 min Scan# 1420
 Delta R.T. -0.012 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 75 Resp: 558
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.0 37.4

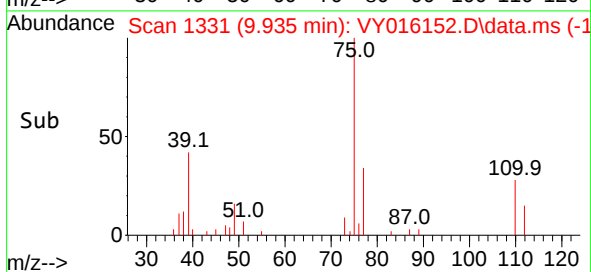
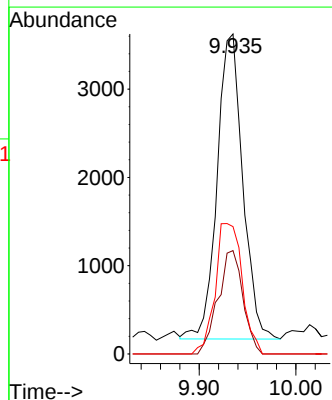
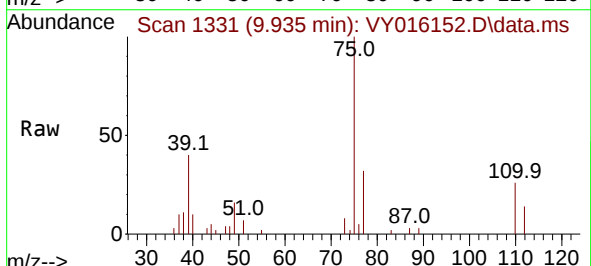
Manual Integrations
 APPROVED

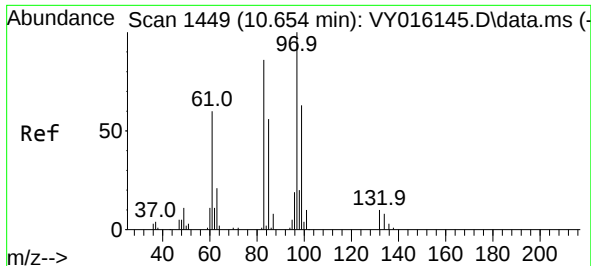
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#54
 cis-1,3-Dichloropropene
 Concen: 2.323 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. 0.000 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

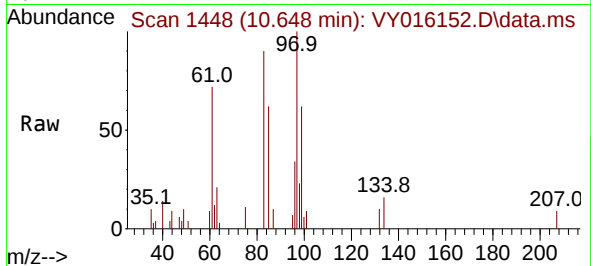
Tgt Ion: 75 Resp: 6367
 Ion Ratio Lower Upper
 75 100
 77 33.9 24.2 36.4
 39 41.8 42.2 63.4#





#55
1,1,2-Trichloroethane
Concen: 2.474 ug/l
RT: 10.648 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

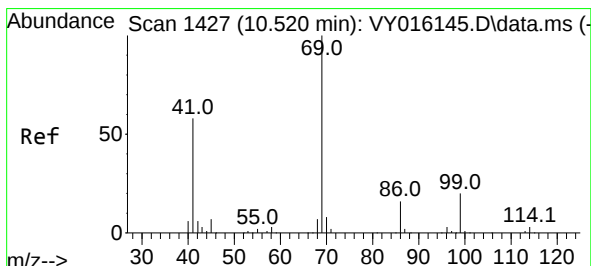
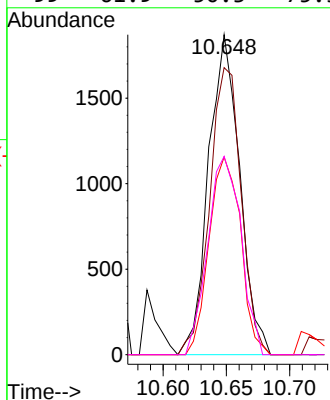
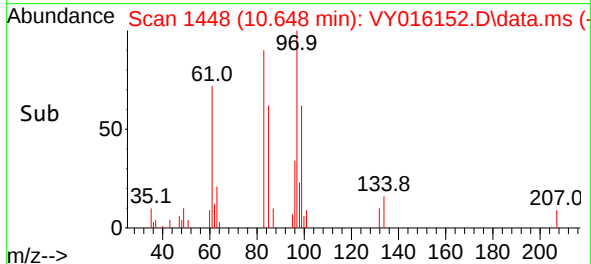
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion:	97	Resp:	320
Ion	Ratio	Lower	Upper
97	100		
83	89.7	72.0	108.0
85	61.7	45.4	68.0
99	61.9	50.3	75.5

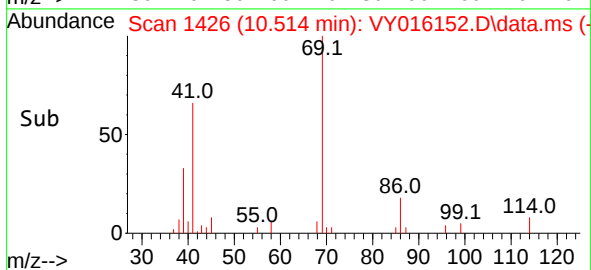
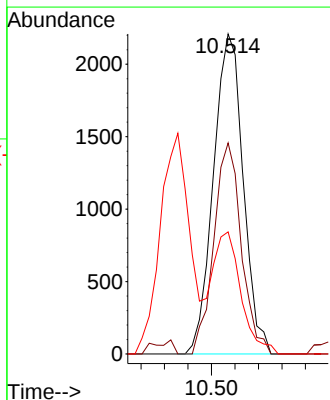
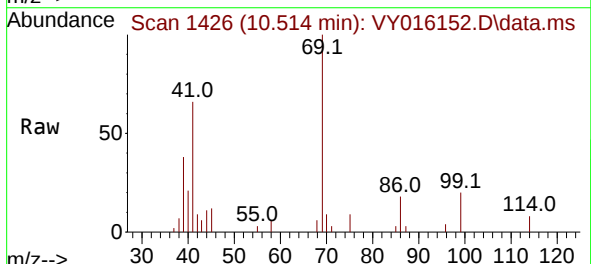
Manual Integrations
APPROVED

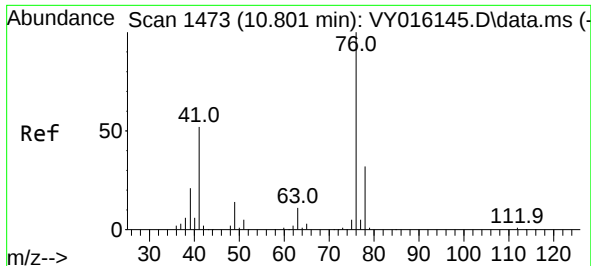
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#56
Ethyl methacrylate
Concen: 2.311 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

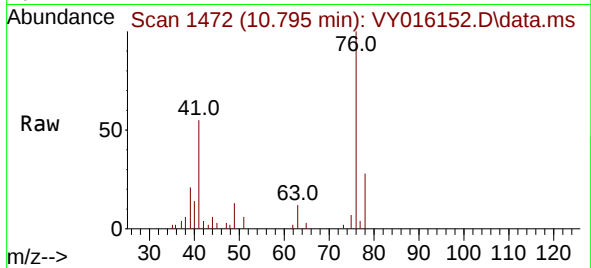
Tgt Ion:	69	Resp:	3888
Ion	Ratio	Lower	Upper
69	100		
41	60.9	57.6	86.4
39	38.3	34.1	51.1





#57
1,3-Dichloropropane
Concen: 2.467 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

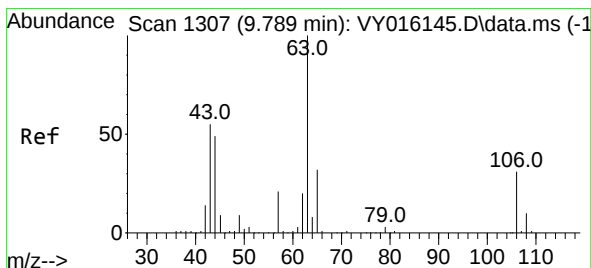
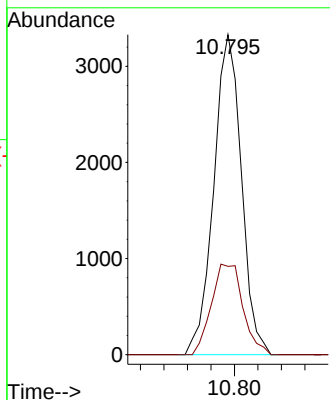
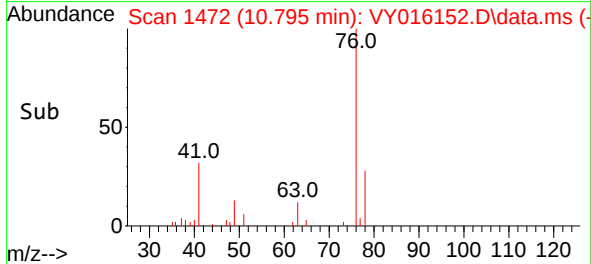
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 76 Resp: 5440
Ion Ratio Lower Upper
76 100
78 32.3 25.3 37.9

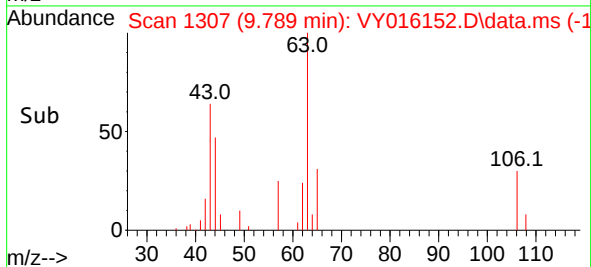
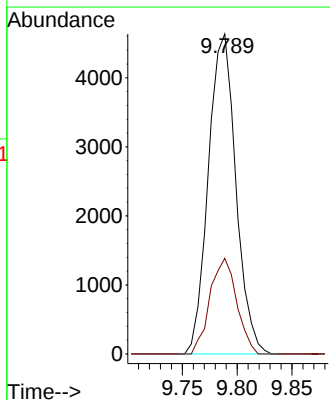
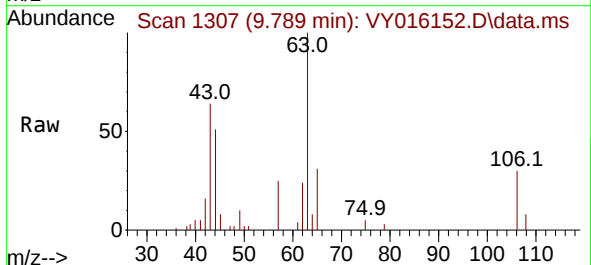
Manual Integrations
APPROVED

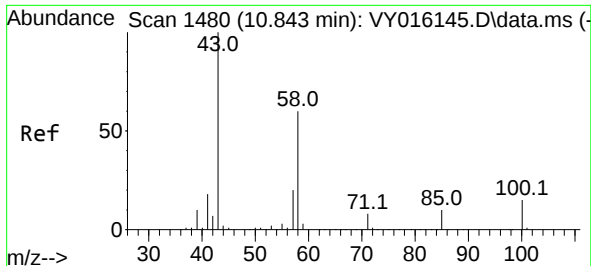
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#58
2-Chloroethyl Vinyl ether
Concen: 9.926 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

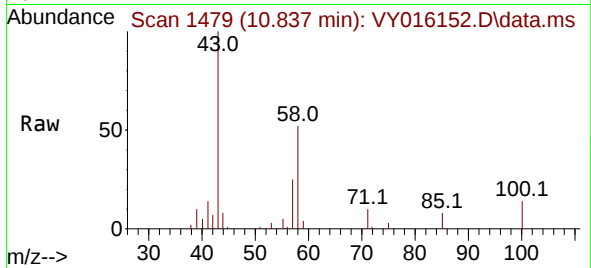
Tgt Ion: 63 Resp: 8098
Ion Ratio Lower Upper
63 100
106 29.0 21.2 31.8





#59
2-Hexanone
Concen: 12.774 ug/l
RT: 10.837 min Scan# 1480
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

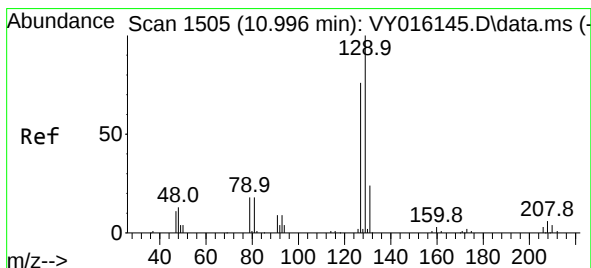
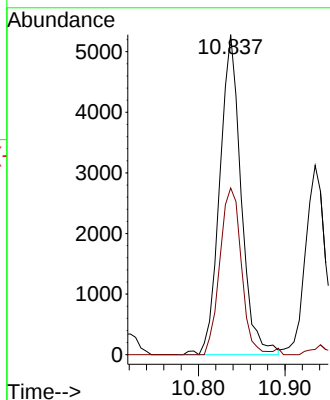
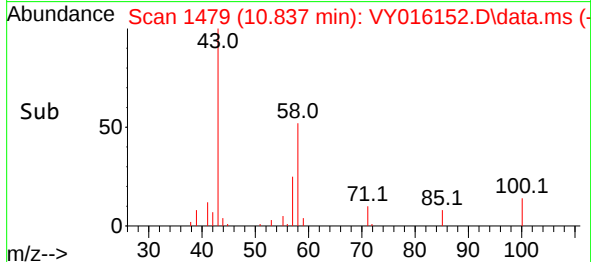
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion: 43 Resp: 9040
Ion Ratio Lower Upper
43 100
58 52.3 25.1 75.3

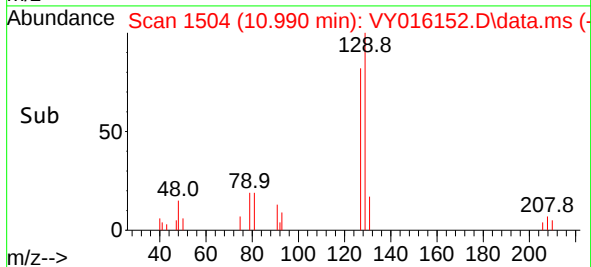
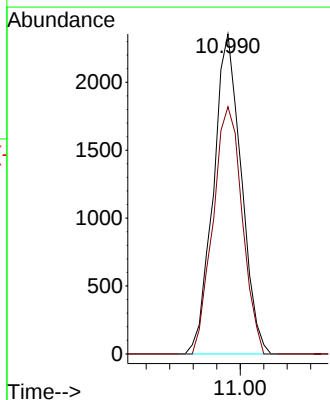
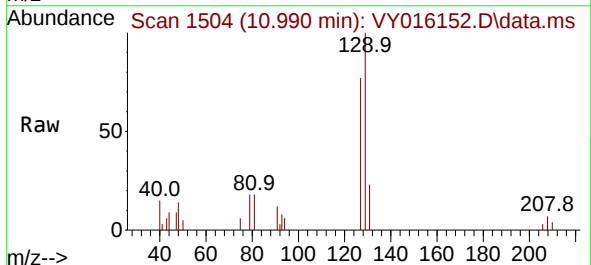
Manual Integrations
APPROVED

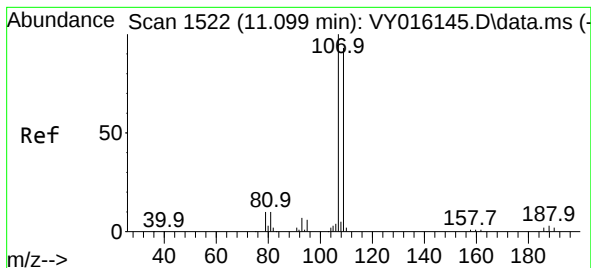
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#60
Dibromochloromethane
Concen: 2.390 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

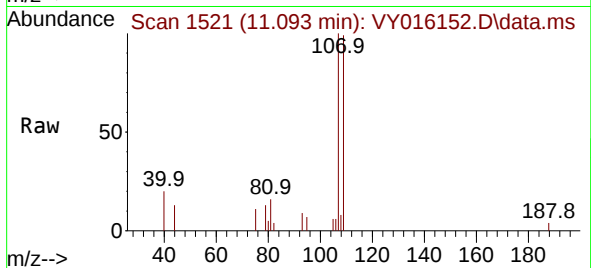
Tgt Ion:129 Resp: 3885
Ion Ratio Lower Upper
129 100
127 80.6 38.5 115.5





#61
1,2-Dibromoethane
Concen: 2.368 ug/l
RT: 11.093 min Scan# 1522
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

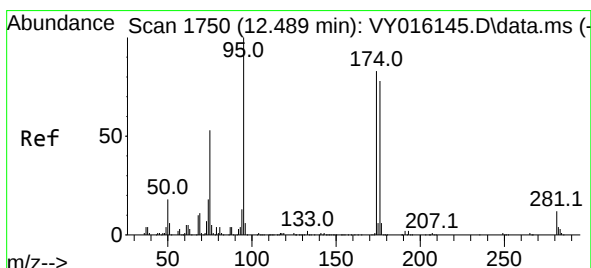
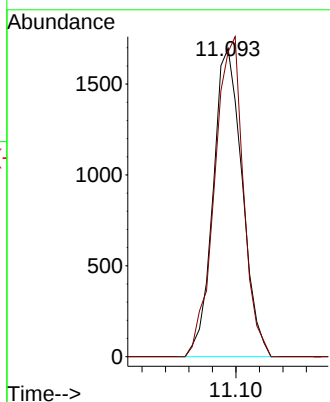
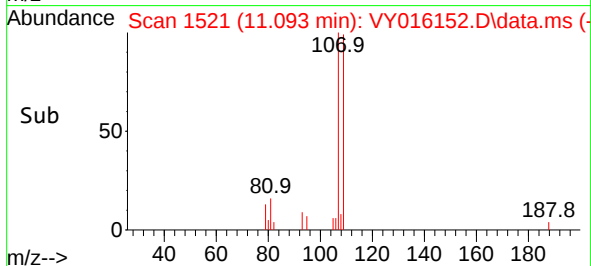
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



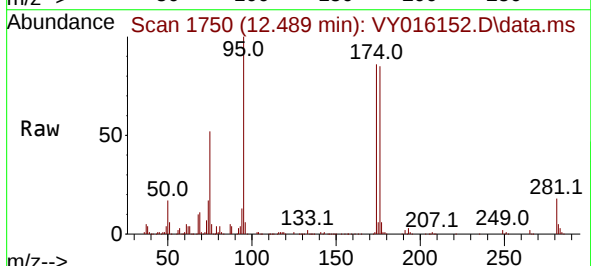
Tgt Ion:107 Resp: 2918
Ion Ratio Lower Upper
107 100
109 102.4 75.6 113.4

Manual Integrations
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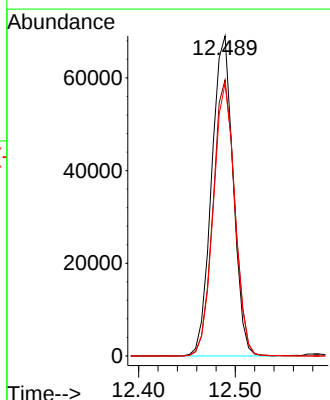
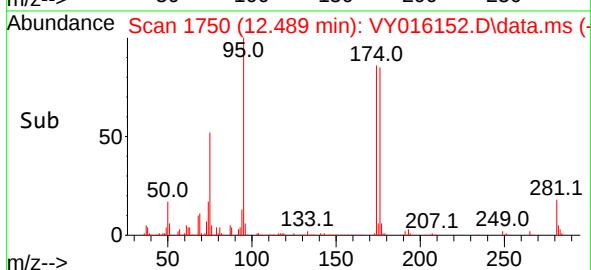
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

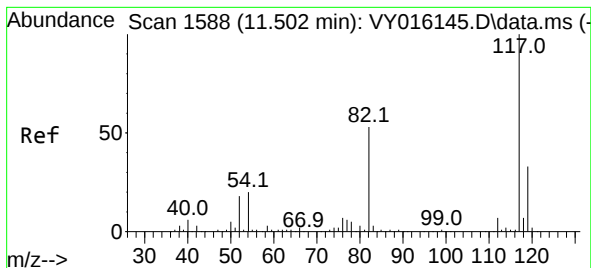


#62
4-Bromofluorobenzene
Concen: 48.233 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36



Tgt Ion: 95 Resp: 106457
Ion Ratio Lower Upper
95 100
174 87.2 0.0 178.2
176 85.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:117 Resp: 242909

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

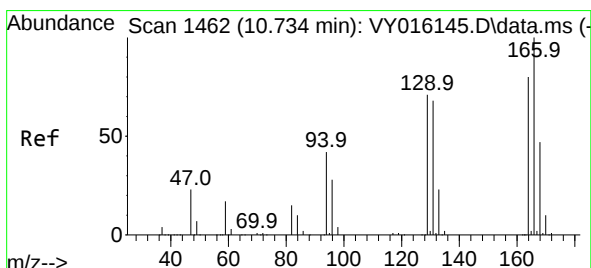
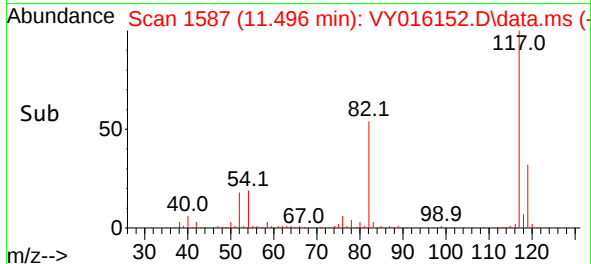
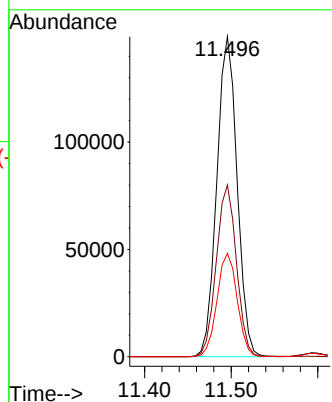
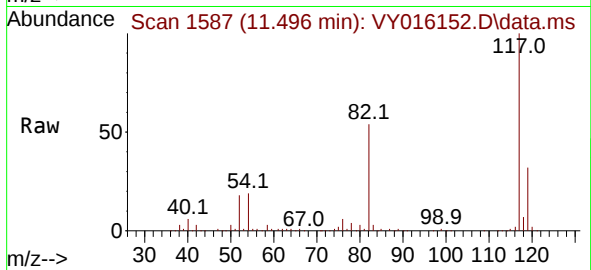
119 32.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#64

Tetrachloroethene

Concen: 2.434 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion:164 Resp: 5258

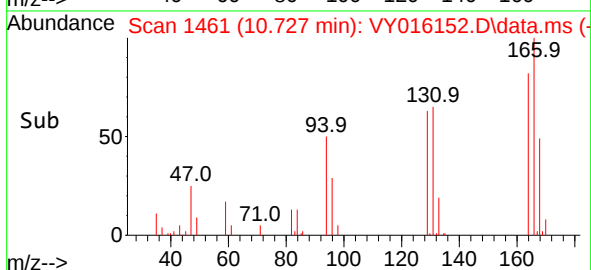
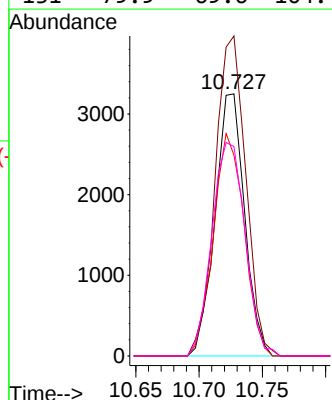
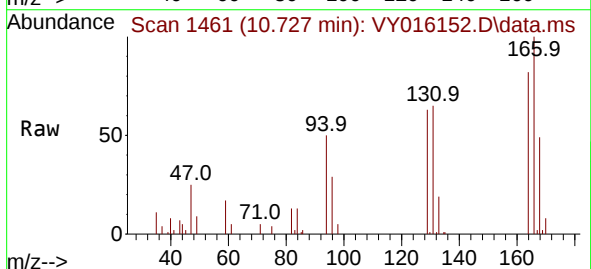
Ion Ratio Lower Upper

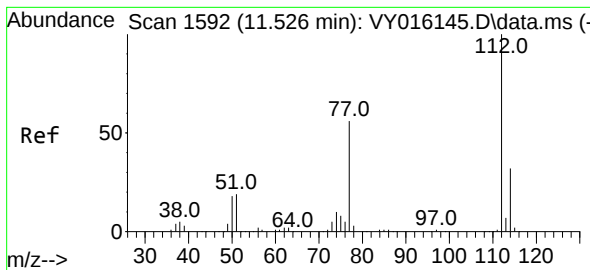
164 100

166 122.1 103.0 154.6

129 76.6 77.2 115.8#

131 79.9 69.6 104.4





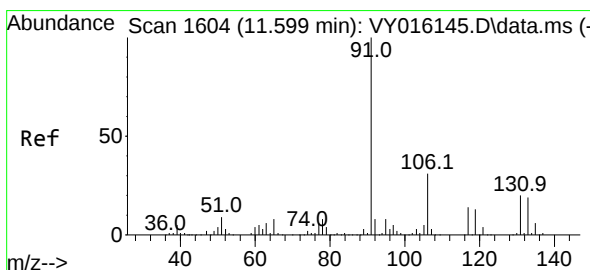
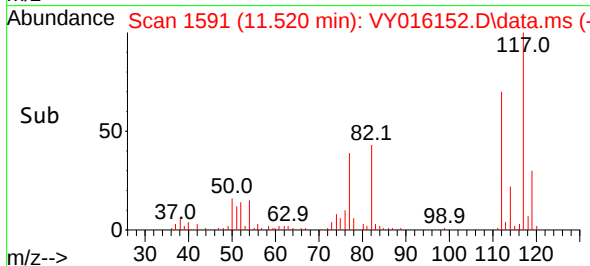
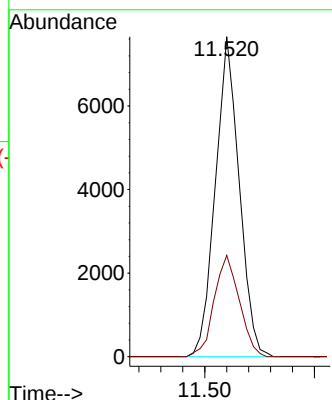
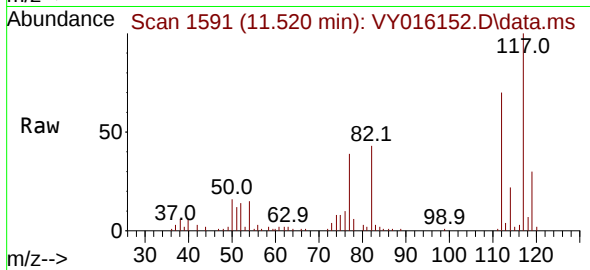
#65
Chlorobenzene
Concen: 2.395 ug/l
RT: 11.520 min Scan# 1156
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:112 Resp: 1156
Ion Ratio Lower Upper
112 100
114 31.6 25.5 38.3

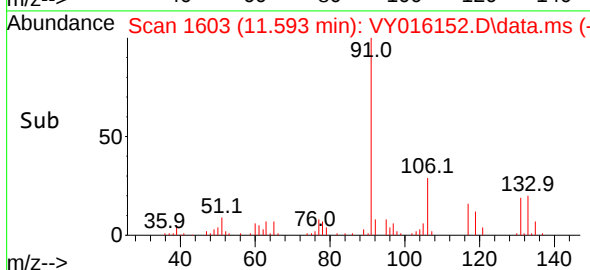
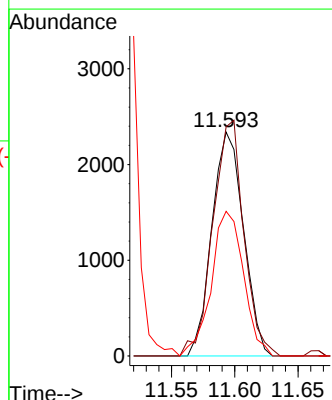
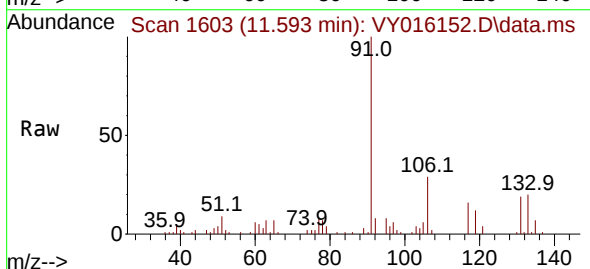
Manual Integrations
APPROVED

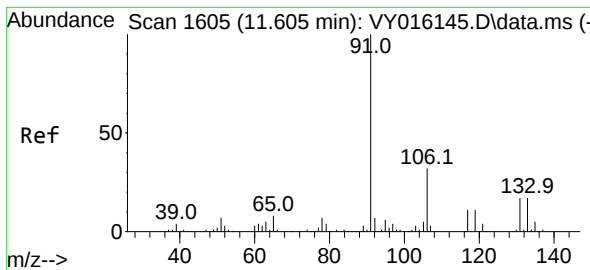
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.279 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:131 Resp: 4073
Ion Ratio Lower Upper
131 100
133 102.8 47.5 142.6
119 65.8 31.6 94.7





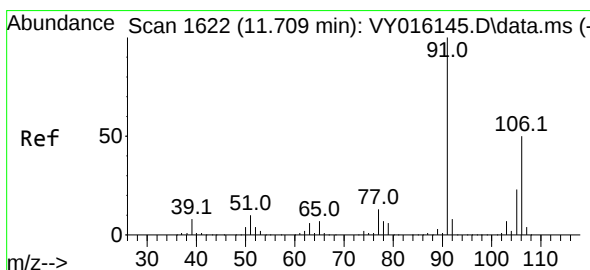
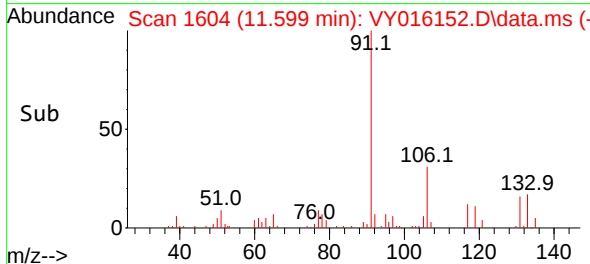
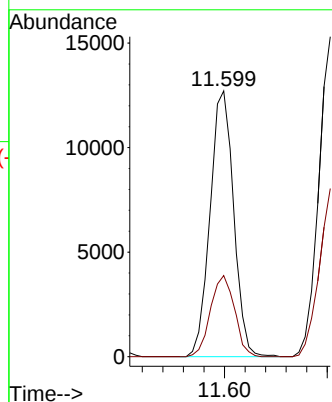
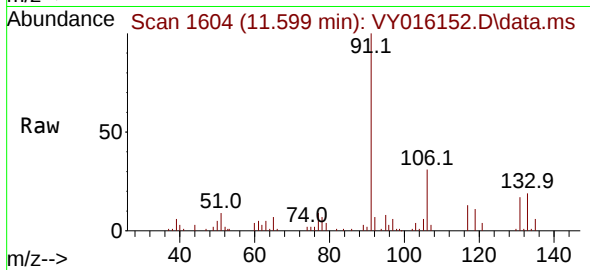
#67
Ethyl Benzene
Concen: 2.342 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 91 Resp: 2021
Ion Ratio Lower Upper
91 100
106 30.5 24.6 36.8

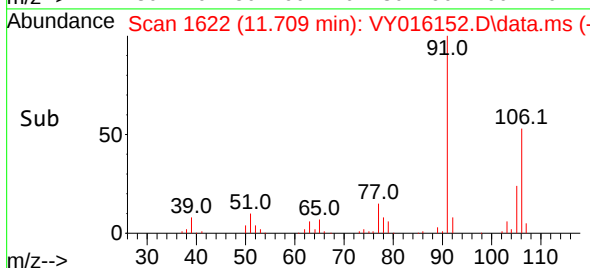
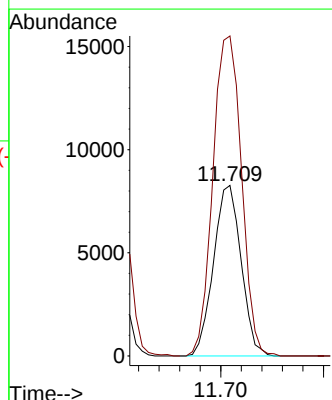
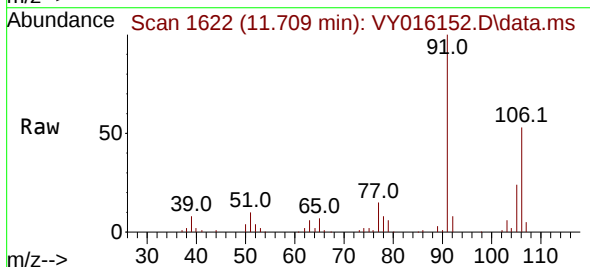
Manual Integrations
APPROVED

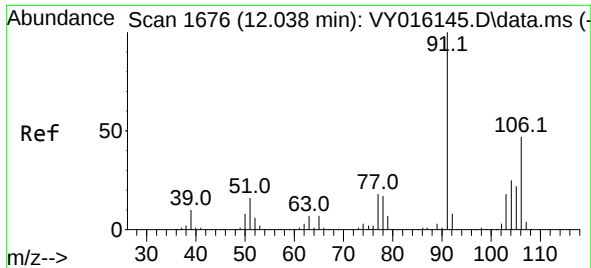
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#68
m/p-Xylenes
Concen: 4.618 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:106 Resp: 15404
Ion Ratio Lower Upper
106 100
91 194.4 166.1 249.1





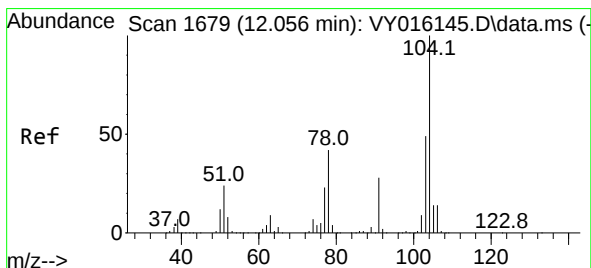
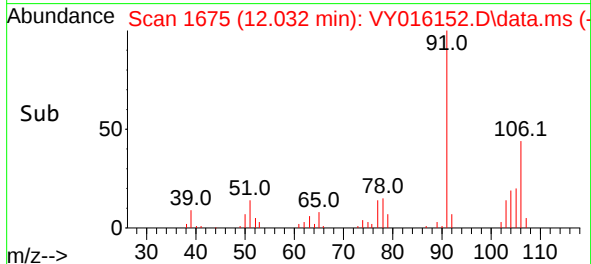
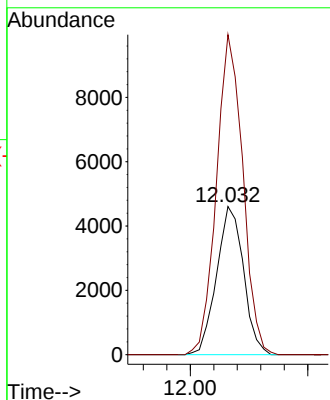
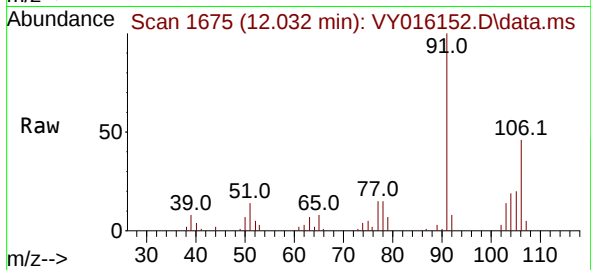
#69
o-Xylene
Concen: 2.301 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:106 Resp: 732
Ion Ratio Lower Upper
106 100
91 211.8 108.1 324.3

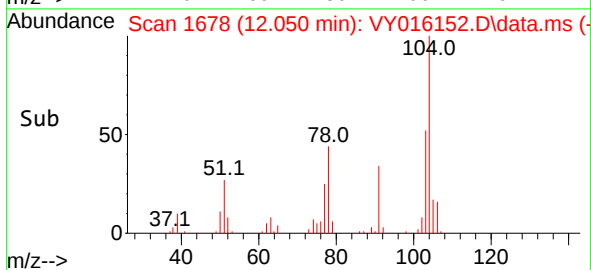
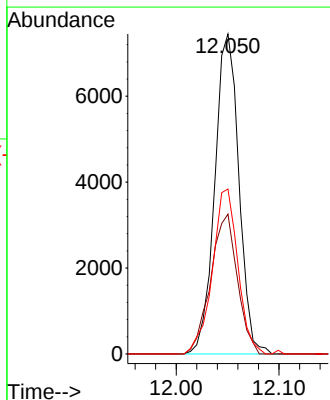
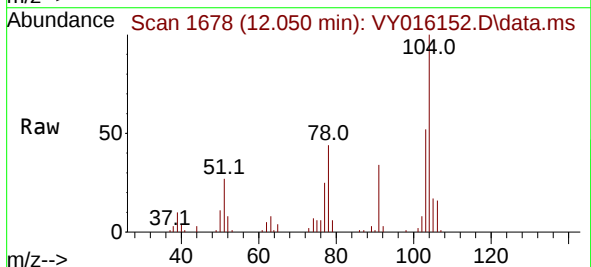
Manual Integrations
APPROVED

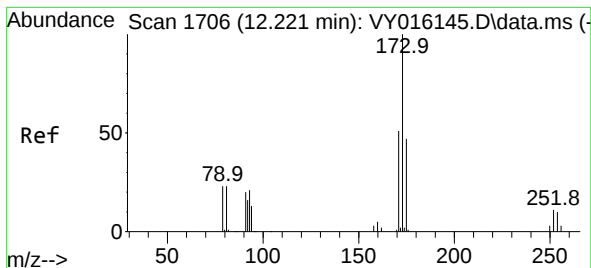
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#70
Styrene
Concen: 2.288 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:104 Resp: 12115
Ion Ratio Lower Upper
104 100
78 48.5 41.5 62.3
103 54.5 44.6 67.0





#71

Bromoform

Concen: 2.344 ug/l

RT: 12.215 min Scan# 1706

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

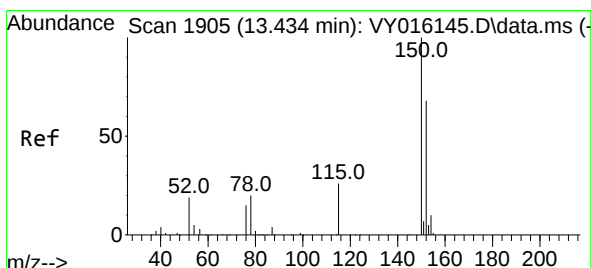
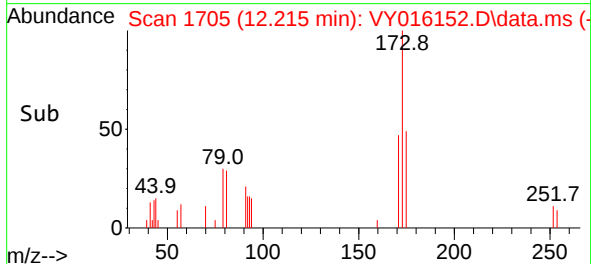
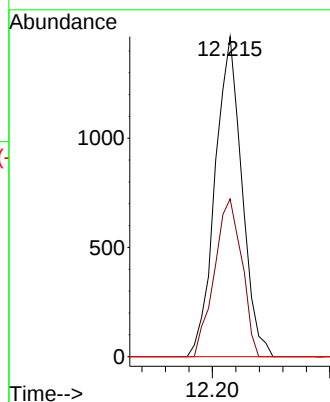
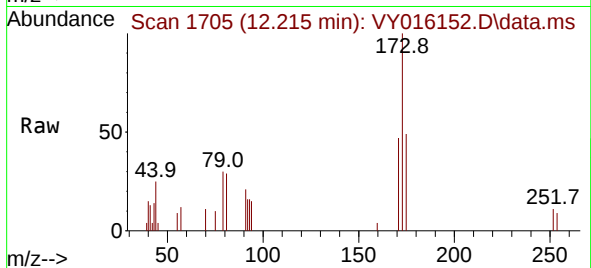
Tgt Ion:173	Resp:	2324
Ion Ratio	Lower	Upper
173	100	
175	50.3	24.6 73.8
254	0.0	0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

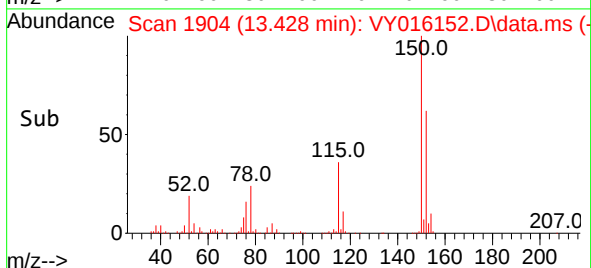
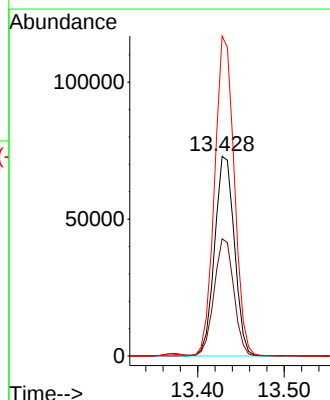
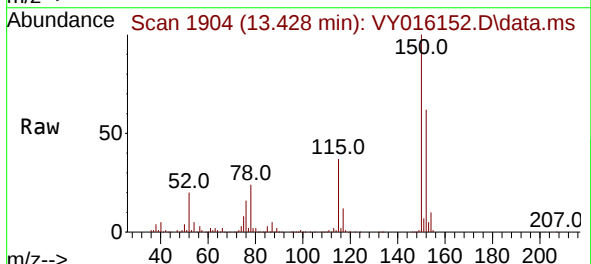
RT: 13.428 min Scan# 1904

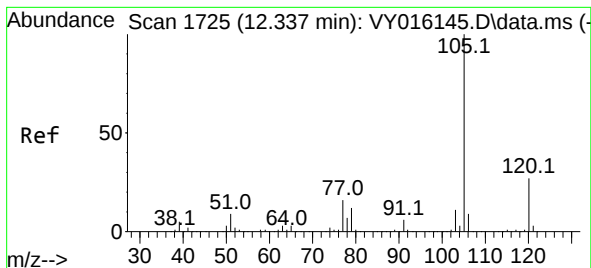
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion:152	Resp:	115664
Ion Ratio	Lower	Upper
152	100	
115	58.5	28.8 86.5
150	159.3	0.0 348.8





#73

Isopropylbenzene

Concen: 2.157 ug/l

RT: 12.331 min Scan# 1725

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

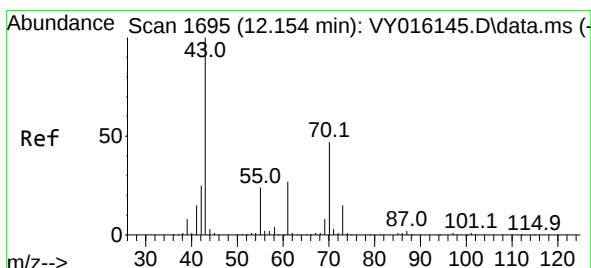
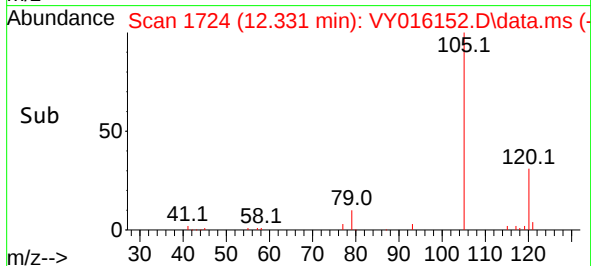
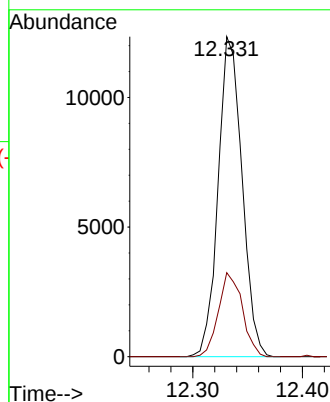
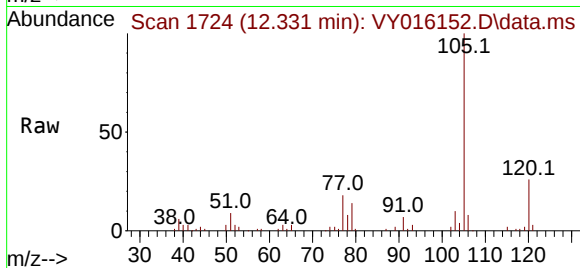
Tgt Ion:105 Resp: 18710
 Ion Ratio Lower Upper
 105 100
 120 26.1 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#74

N-ethyl acetate

Concen: 2.445 ug/l

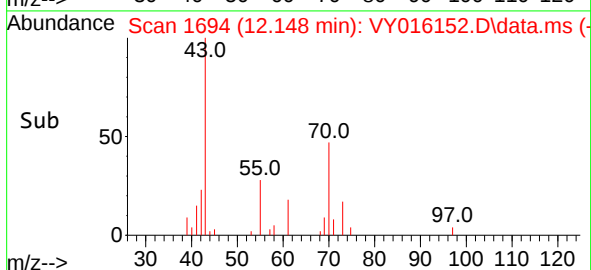
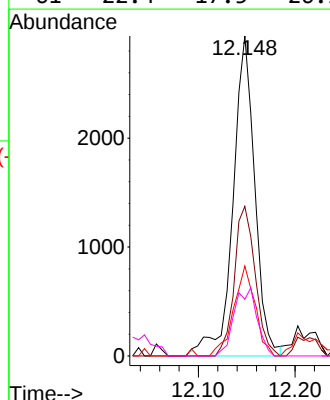
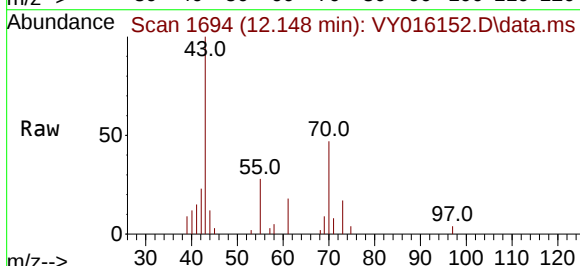
RT: 12.148 min Scan# 1694

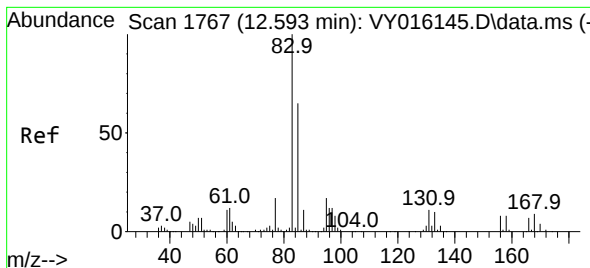
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion: 43 Resp: 4609
 Ion Ratio Lower Upper
 43 100
 70 44.8 29.7 44.5#
 55 27.6 18.3 27.5#
 61 22.4 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 2.629 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

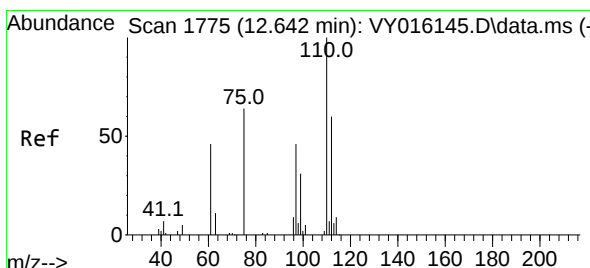
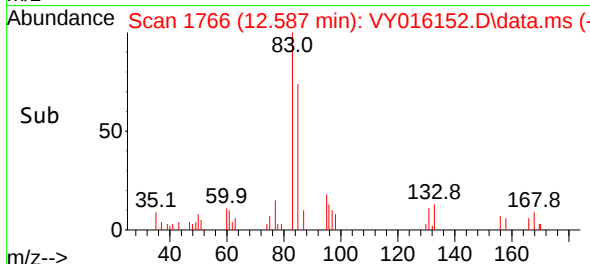
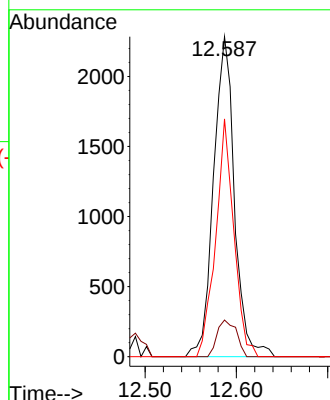
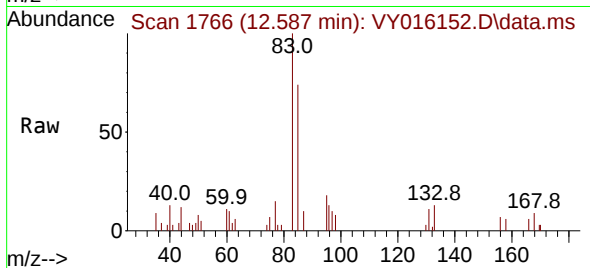
Tgt Ion: 83	Resp: 3629
Ion Ratio	Lower Upper
83 100	
131 10.5	5.4 16.2
85 64.6	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#76

1,2,3-Trichloropropane

Concen: 2.562 ug/l m

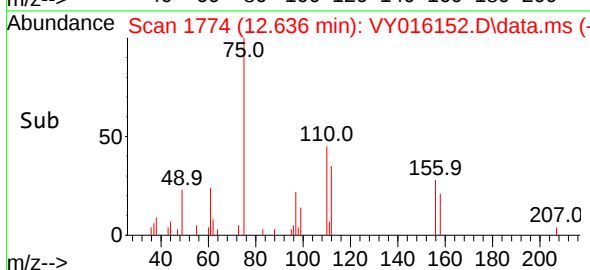
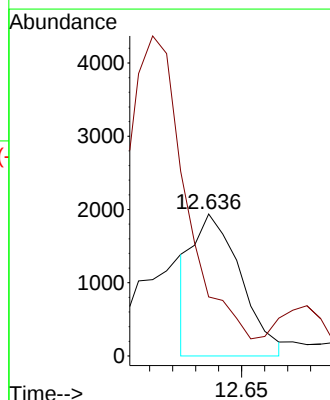
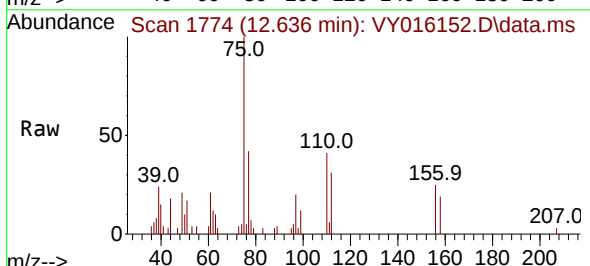
RT: 12.636 min Scan# 1774

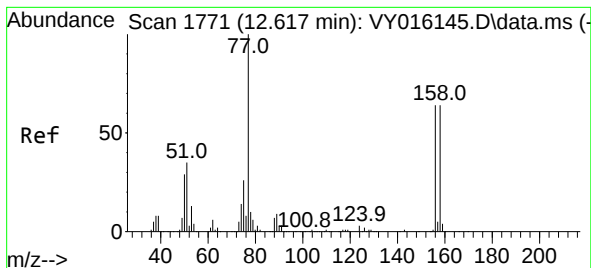
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion: 75	Resp: 2791
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#77

Bromobenzene

Concen: 2.548 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

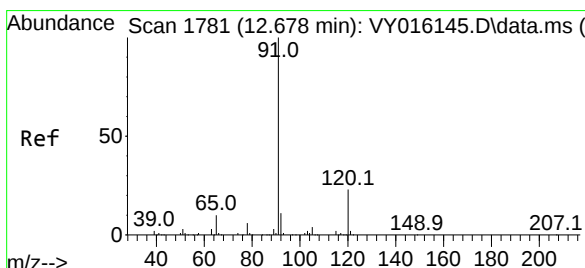
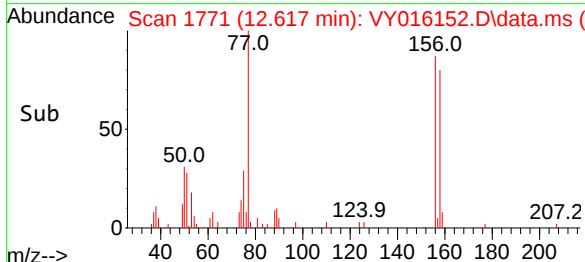
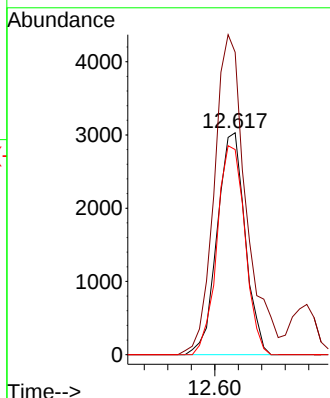
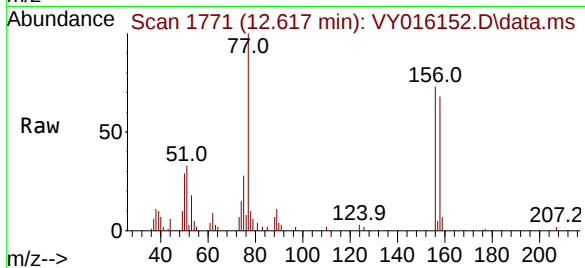
Tgt Ion:	156	Resp:	500
Ion Ratio	Lower	Upper	
156	100		
77	163.8	92.8	278.6
158	94.0	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#78

n-propylbenzene

Concen: 2.305 ug/l

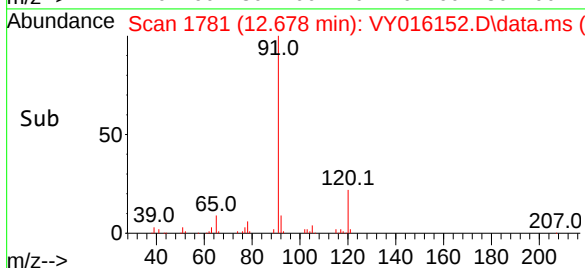
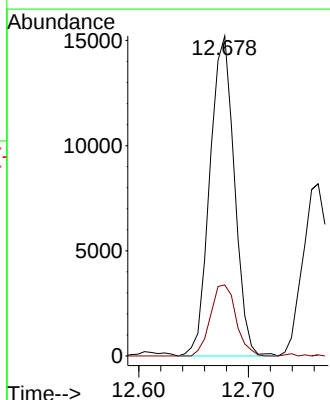
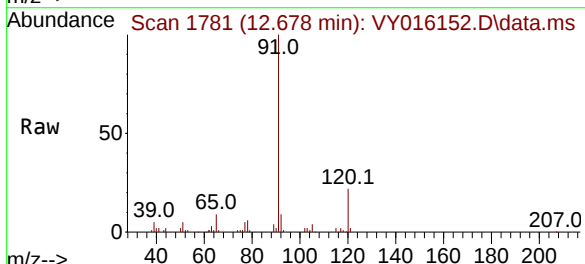
RT: 12.678 min Scan# 1781

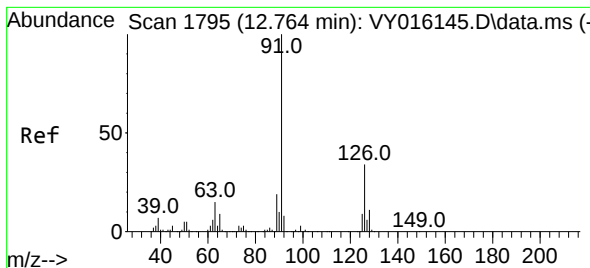
Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion:	91	Resp:	23648
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





#79

2-Chlorotoluene

Concen: 2.371 ug/l

RT: 12.764 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 91 Resp: 1356

Ion Ratio Lower Upper

91 100

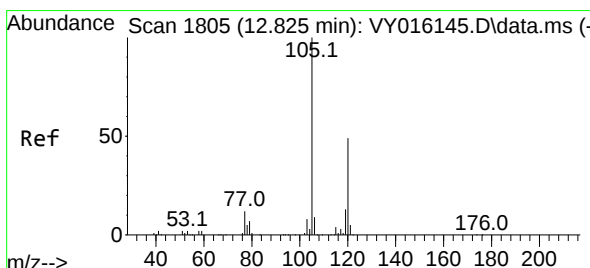
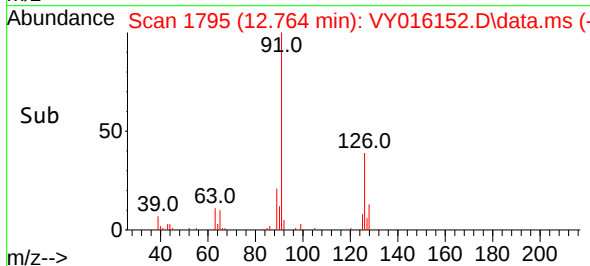
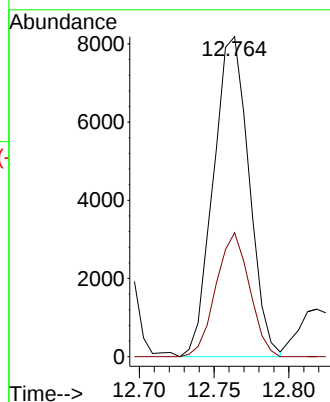
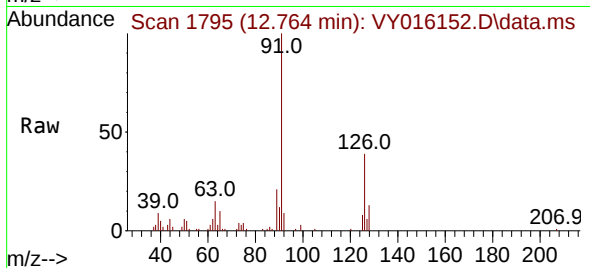
126 36.4 17.3 51.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#80

1,3,5-Trimethylbenzene

Concen: 2.244 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VY016152.D

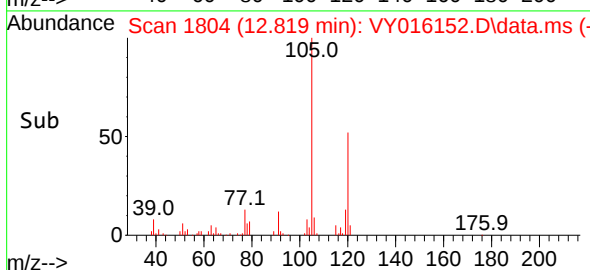
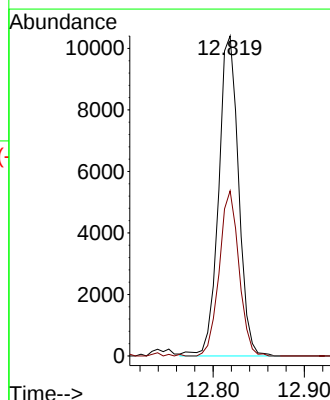
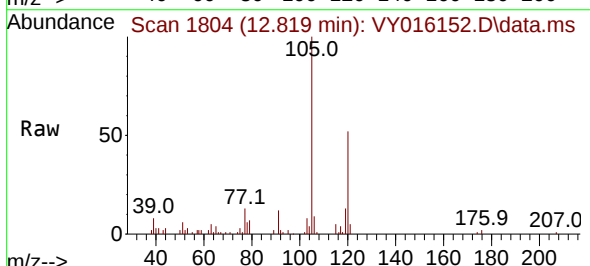
Acq: 31 Oct 2023 17:36

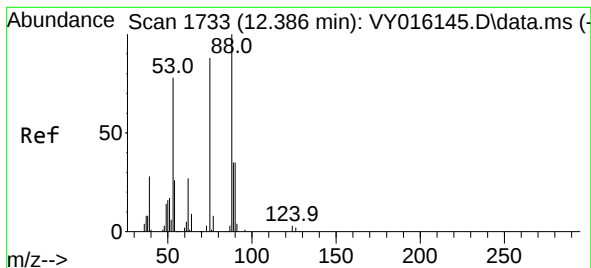
Tgt Ion:105 Resp: 15776

Ion Ratio Lower Upper

105 100

120 50.9 23.9 71.7





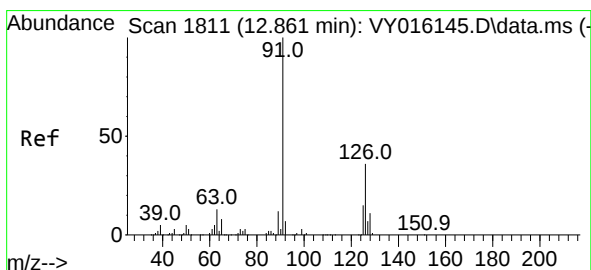
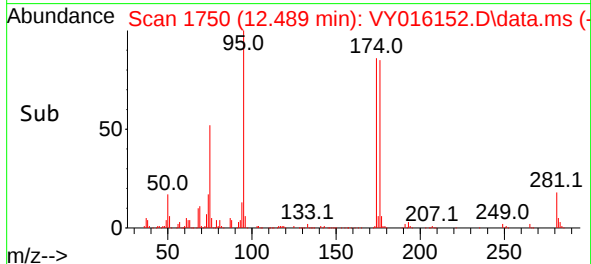
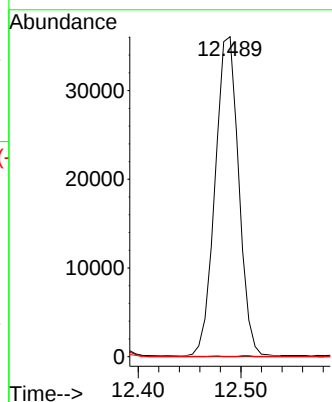
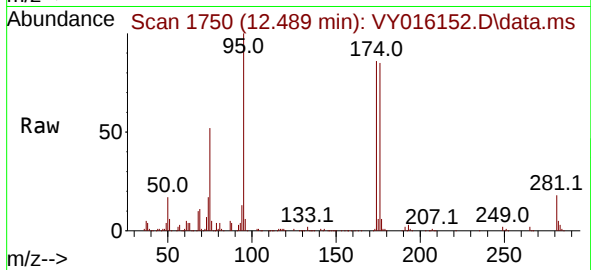
#81
trans-1,4-Dichloro-2-butene
Concen: 114.161 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion: 75 Resp: 57349
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8
89 0.1 37.4 56.0

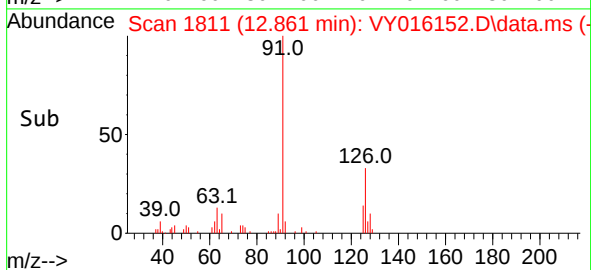
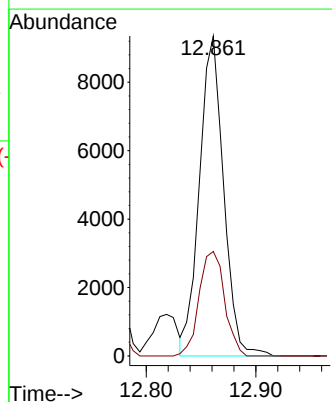
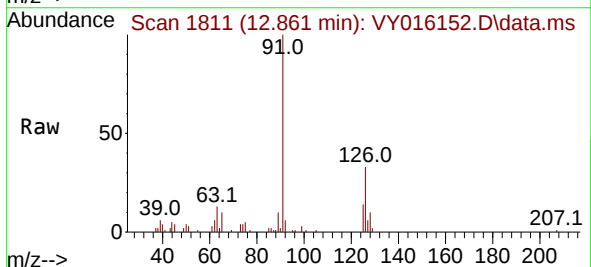
Manual Integrations
APPROVED

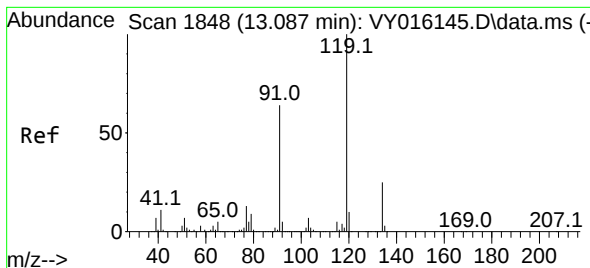
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#82
4-Chlorotoluene
Concen: 2.438 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion: 91 Resp: 14324
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6





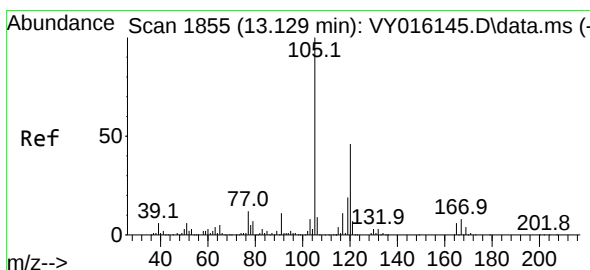
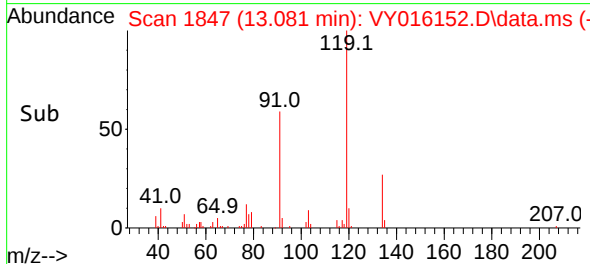
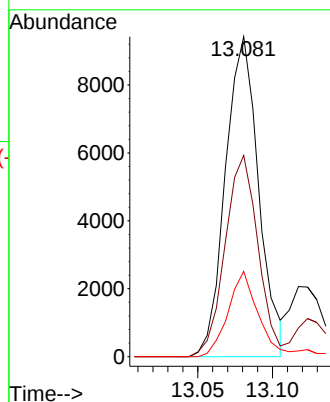
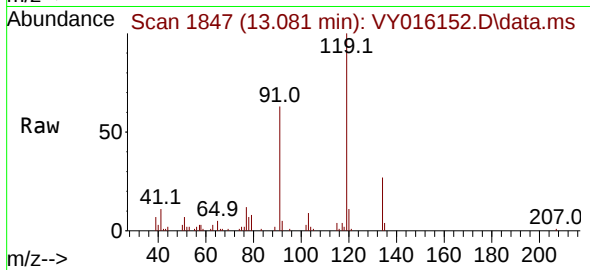
#83
tert-Butylbenzene
Concen: 2.319 ug/l
RT: 13.081 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:119 Resp: 1458
Ion Ratio Lower Upper
119 100
91 62.2 32.9 98.6
134 25.4 13.0 38.9

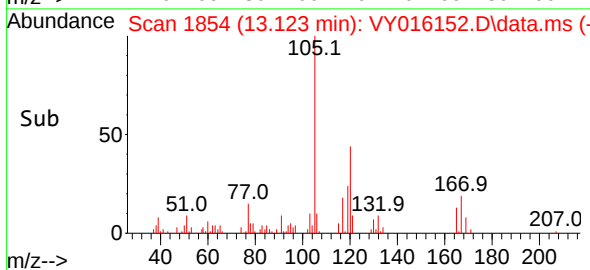
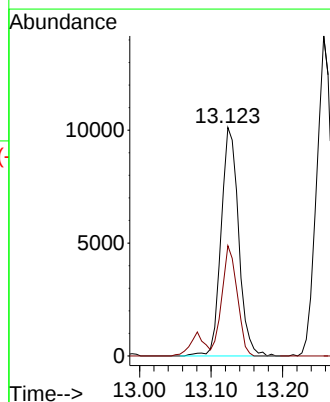
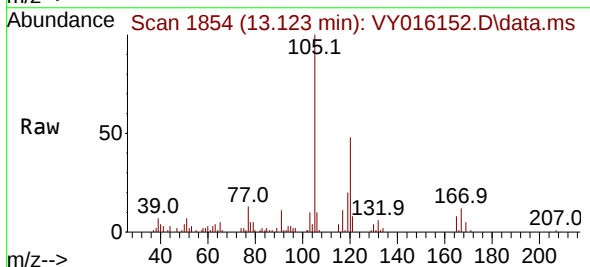
Manual Integrations
APPROVED

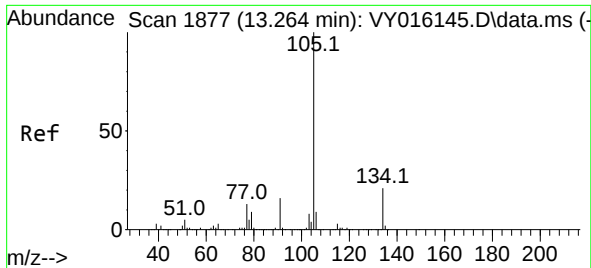
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#84
1,2,4-Trimethylbenzene
Concen: 2.472 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:105 Resp: 17197
Ion Ratio Lower Upper
105 100
120 42.3 22.2 66.6





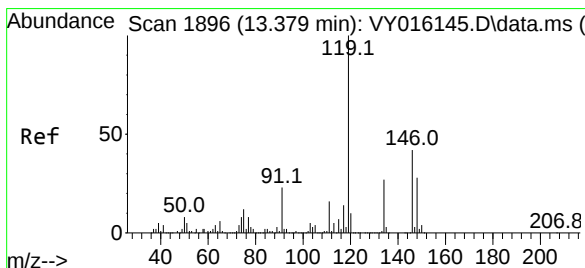
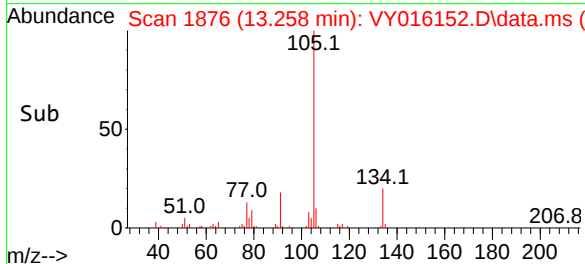
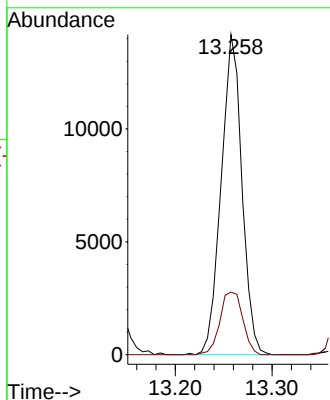
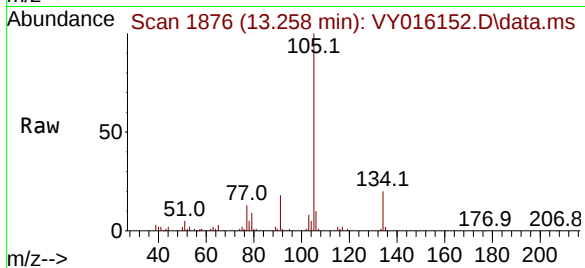
#85
 sec-Butylbenzene
 Concen: 2.283 ug/l
 RT: 13.258 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:105 Resp: 2107
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.2 30.6

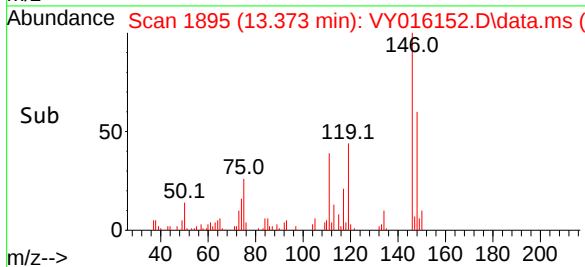
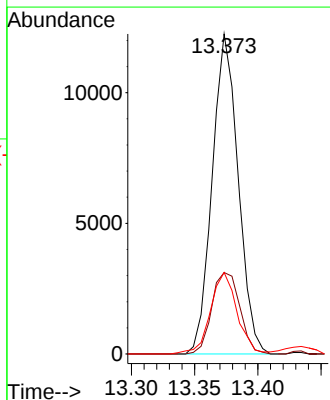
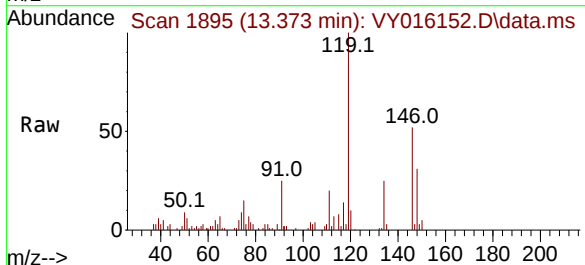
Manual Integrations
 APPROVED

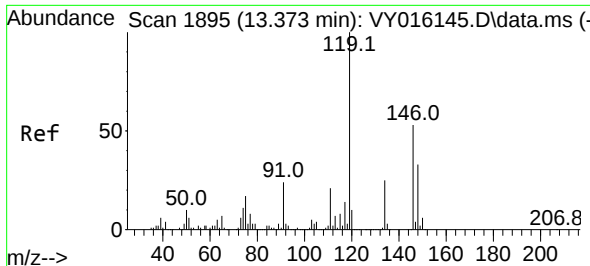
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#86
 p-Isopropyltoluene
 Concen: 2.286 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.006 min
 Lab File: VY016152.D
 Acq: 31 Oct 2023 17:36

Tgt Ion:119 Resp: 17486
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.3 39.8
 91 26.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 2.504 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

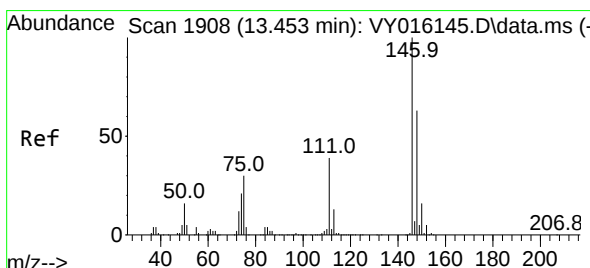
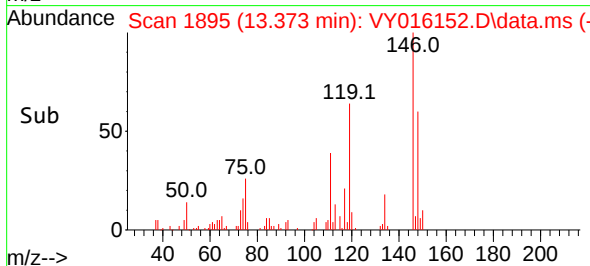
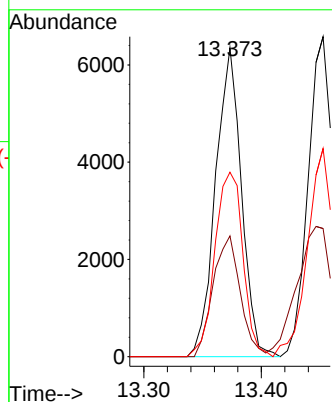
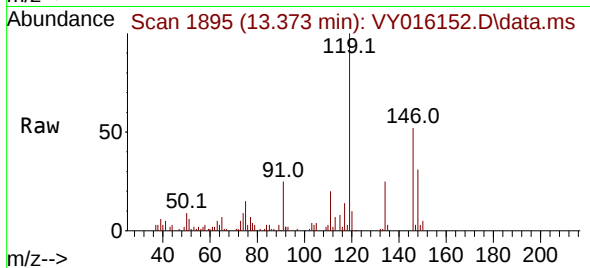
Tgt Ion:146	Resp:	9729
Ion Ratio	Lower	Upper
146	100	
111	41.1	19.4 58.2
148	64.8	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#88

1,4-Dichlorobenzene

Concen: 2.591 ug/l

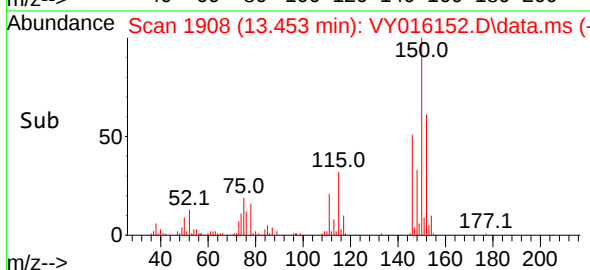
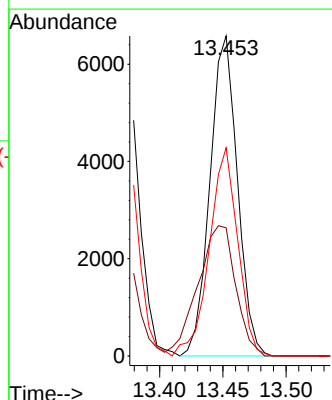
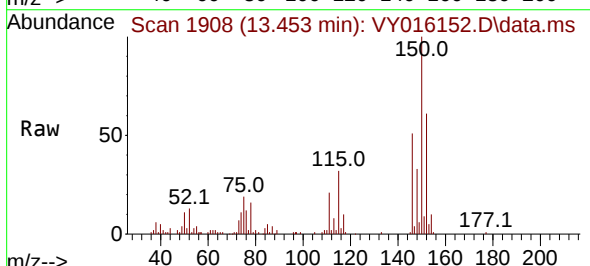
RT: 13.453 min Scan# 1908

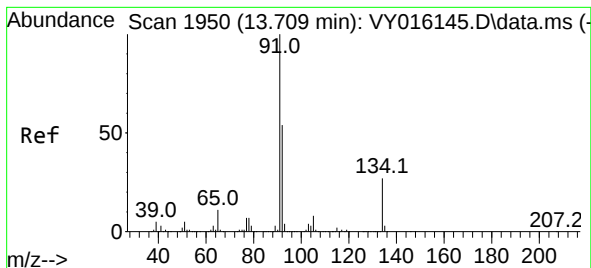
Delta R.T. 0.000 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion:146	Resp:	9950
Ion Ratio	Lower	Upper
146	100	
111	55.8	18.9 56.7
148	67.2	32.1 96.5





#89

n-Butylbenzene

Concen: 2.431 ug/l

RT: 13.703 min Scan# 1950

Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 2.5PPB

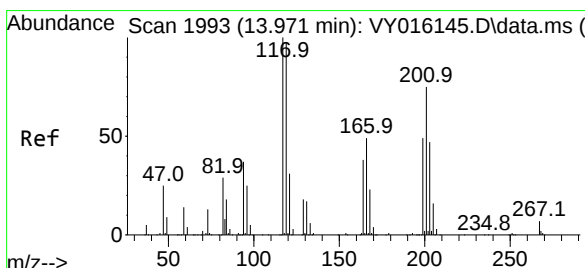
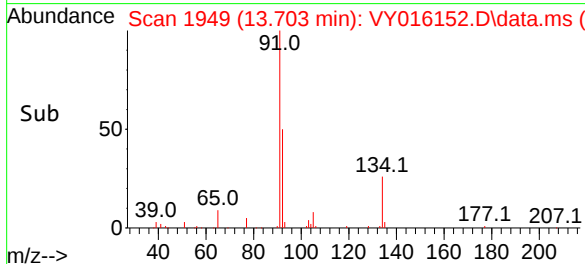
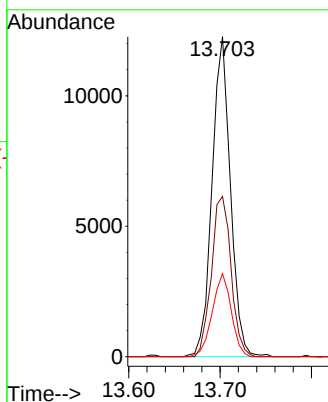
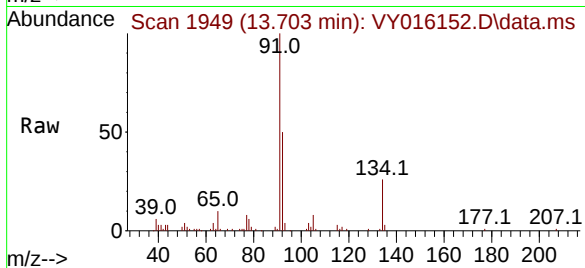
Tgt Ion: 91	Resp: 1708
Ion Ratio	Lower Upper
91	100
92	53.6 25.4 76.0
134	26.8 12.6 37.6

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Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#90

Hexachloroethane

Concen: 2.253 ug/l

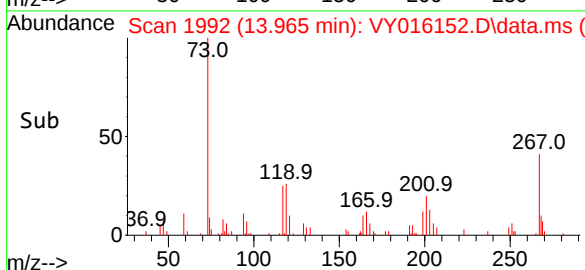
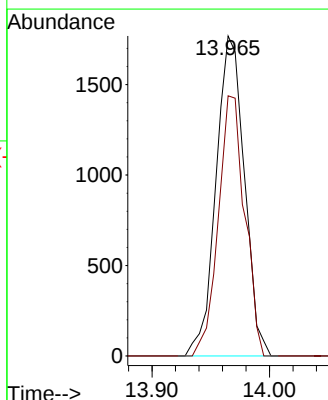
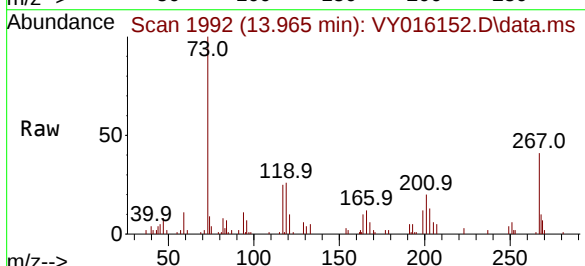
RT: 13.965 min Scan# 1992

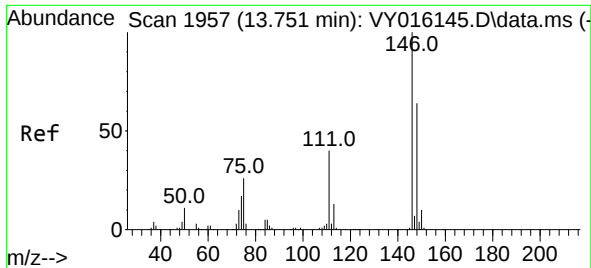
Delta R.T. -0.006 min

Lab File: VY016152.D

Acq: 31 Oct 2023 17:36

Tgt Ion: 117	Resp: 2970
Ion Ratio	Lower Upper
117	100
201	75.7 41.6 124.8





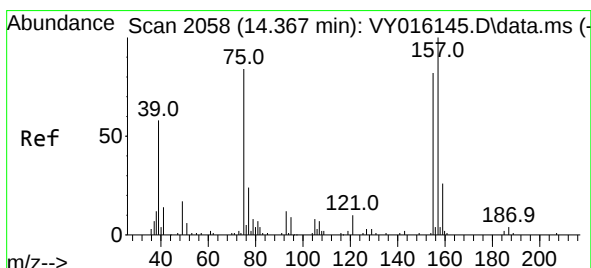
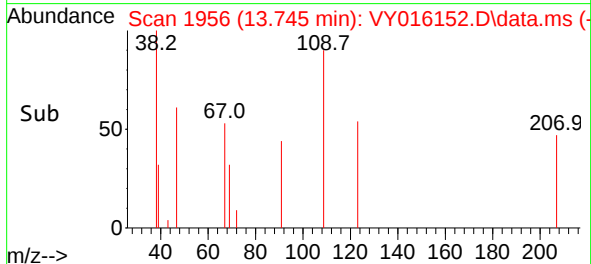
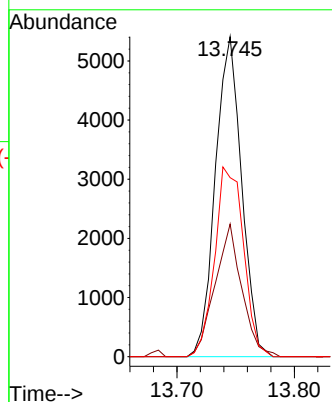
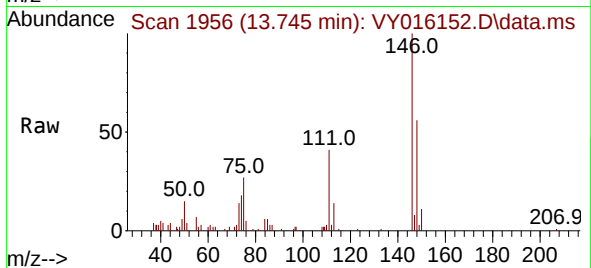
#91
1,2-Dichlorobenzene
Concen: 2.504 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:146 Resp: 840
Ion Ratio Lower Upper
146 100
111 42.2 19.7 59.0
148 65.0 32.0 96.2

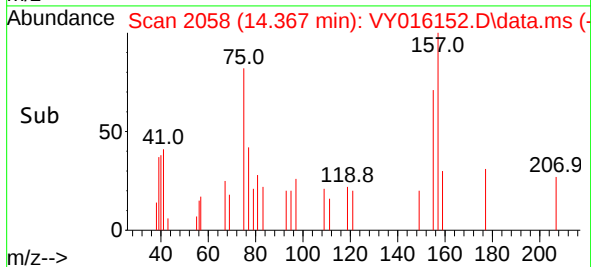
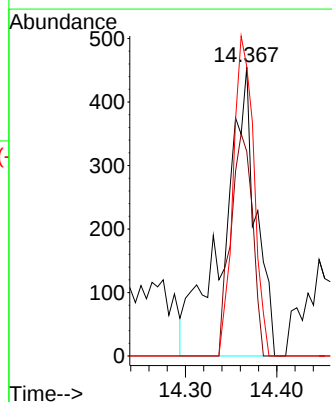
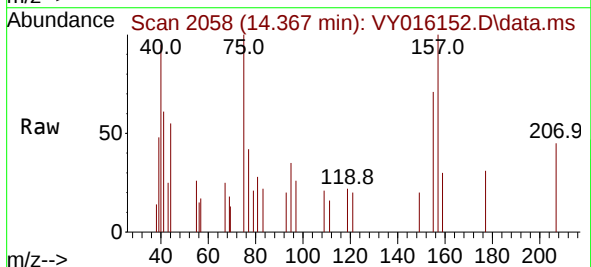
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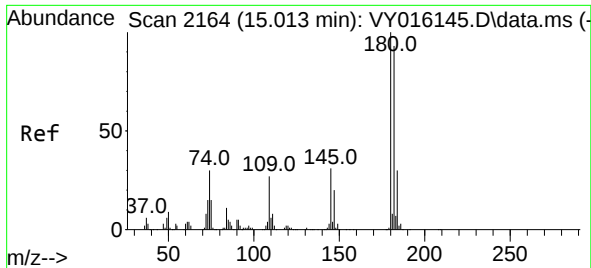
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.565 ug/l
RT: 14.367 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

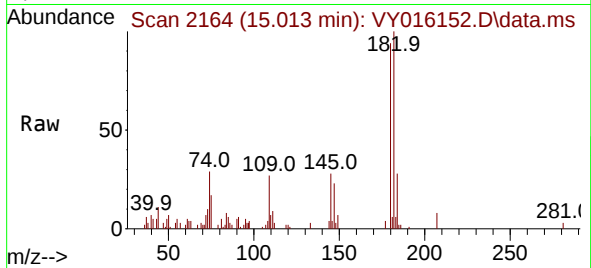
Tgt Ion: 75 Resp: 1128
Ion Ratio Lower Upper
75 100
155 51.7 41.5 124.6
157 70.2 51.8 155.5





#93
1,2,4-Trichlorobenzene
Concen: 2.897 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

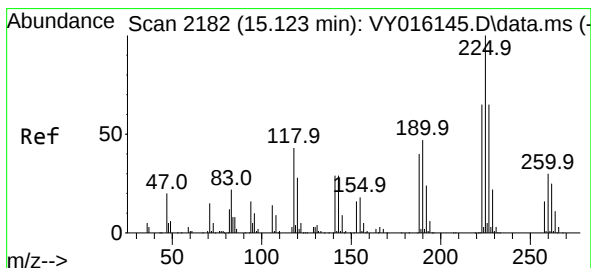
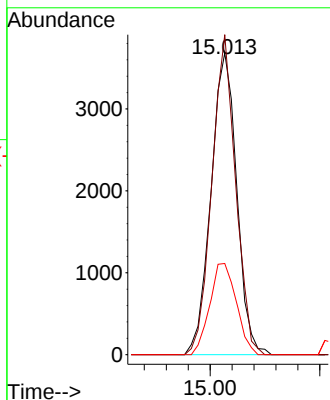
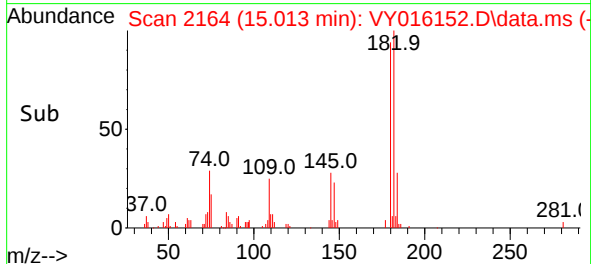
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB



Tgt Ion:180 Resp: 600
Ion Ratio Lower Upper
180 100
182 97.6 47.0 141.2
145 31.3 14.5 43.5

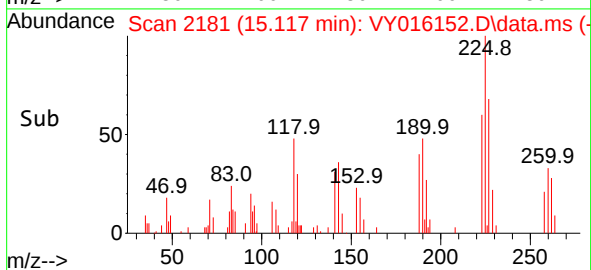
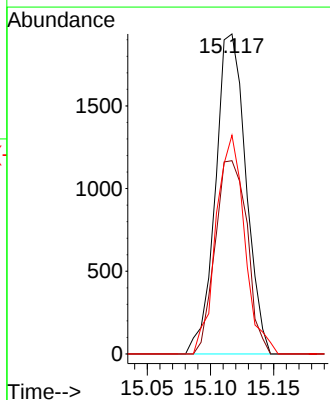
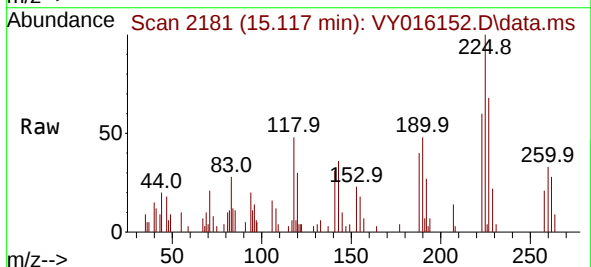
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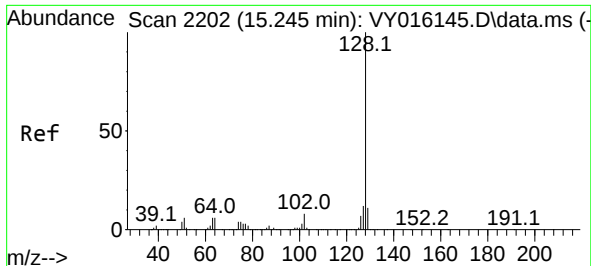
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#94
Hexachlorobutadiene
Concen: 2.852 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:225 Resp: 3229
Ion Ratio Lower Upper
225 100
223 63.6 31.9 95.9
227 64.4 33.0 98.9





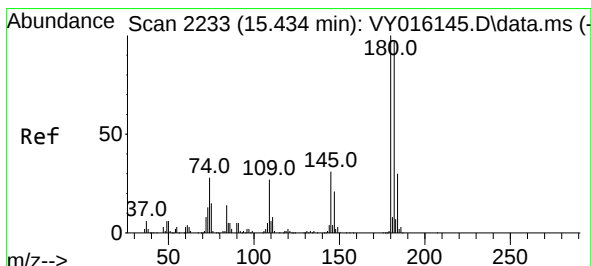
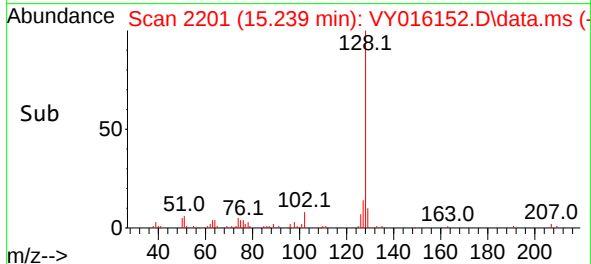
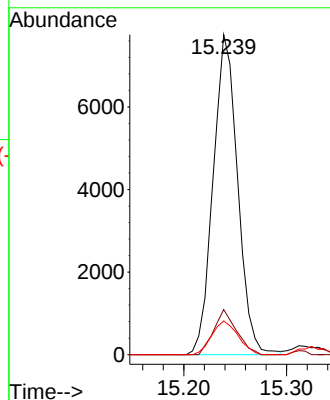
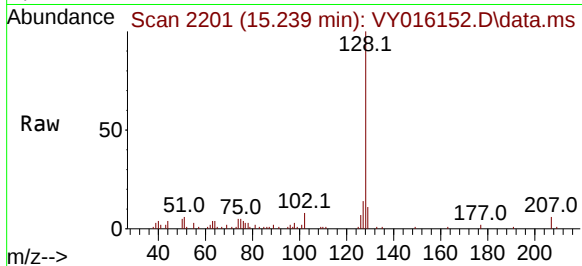
#95
Naphthalene
Concen: 3.191 ug/l
RT: 15.239 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 2.5PPB

Tgt Ion:128 Resp: 12840
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 11.3 8.6 13.0

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Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#96
1,2,3-Trichlorobenzene
Concen: 3.003 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY016152.D
Acq: 31 Oct 2023 17:36

Tgt Ion:180 Resp: 5315
Ion Ratio Lower Upper
180 100
182 94.7 47.3 141.8
145 33.8 15.4 46.2

