

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016153.D
 Acq On : 31 Oct 2023 17:59
 Operator : SY/MD
 Sample : 04699-01 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Quant Time: Nov 01 03:40:18 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	7.795	168	166148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	273252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	242163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	116211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88254	56.766	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.540%			
35) Dibromofluoromethane	7.728	113	81951	50.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.620%			
50) Toluene-d8	10.185	98	333109	51.574	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.140%			
62) 4-Bromofluorobenzene	12.489	95	112650	51.006	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4048	3.819	ug/l	94
3) Chloromethane	2.113	50	6486	4.420	ug/l	92
4) Vinyl Chloride	2.253	62	6432	4.247	ug/l	97
5) Bromomethane	2.656	94	4367	4.273	ug/l	95
6) Chloroethane	2.796	64	4432	4.157	ug/l #	85
7) Trichlorofluoromethane	3.125	101	8798	3.848	ug/l	93
8) Diethyl Ether	3.534	74	3406	4.495	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	5743	3.987	ug/l	94
10) Methyl Iodide	4.088	142	6896	4.305	ug/l	94
11) Tert butyl alcohol	4.960	59	4428	38.120	ug/l #	92
12) 1,1-Dichloroethene	3.875	96	5419	4.122	ug/l	97
13) Acrolein	3.735	56	2687	17.366	ug/l	99
14) Allyl chloride	4.485	41	7654	4.070	ug/l #	92
15) Acrylonitrile	5.167	53	7413	22.892	ug/l	96
16) Acetone	3.960	43	10215	23.904	ug/l #	77
17) Carbon Disulfide	4.204	76	13115	3.996	ug/l	96
18) Methyl Acetate	4.479	43	5449	4.358	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	16053	4.293	ug/l	100
20) Methylene Chloride	4.729	84	14585	6.578	ug/l #	82
21) trans-1,2-Dichloroethene	5.228	96	6429	4.198	ug/l	92
22) Diisopropyl ether	6.125	45	18874	4.150	ug/l	90
23) Vinyl Acetate	6.070	43	45923	20.564	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	11591	4.258	ug/l	94
25) 2-Butanone	6.996	43	11048	25.757	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	10447	4.060	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	7824	4.341	ug/l	92
28) Bromochloromethane	7.338	49	4056	3.982	ug/l #	90
29) Tetrahydrofuran	7.350	42	5903	21.954	ug/l	92
30) Chloroform	7.508	83	12632	4.262	ug/l	95
31) Cyclohexane	7.789	56	11659	4.878	ug/l #	56
32) 1,1,1-Trichloroethane	7.710	97	10715	3.942	ug/l	95
36) 1,1-Dichloropropene	7.923	75	8769	3.728	ug/l	95
37) Ethyl Acetate	7.082	43	4814	4.595	ug/l	96
38) Carbon Tetrachloride	7.905	117	8373	3.593	ug/l #	92
39) Methylcyclohexane	9.191	83	10393	3.701	ug/l	99
40) Benzene	8.167	78	28392	4.204	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	2399	3.945	ug/l #	93
42) 1,2-Dichloroethane	8.240	62	8126	4.312	ug/l	92
43) Isopropyl Acetate	8.277	43	8477	4.090	ug/l #	91
44) Trichloroethene	8.947	130	8113	4.105	ug/l	89
45) 1,2-Dichloropropane	9.216	63	6608	4.067	ug/l	98
46) Dibromomethane	9.313	93	3833	4.159	ug/l	98
47) Bromodichloromethane	9.502	83	9645	4.119	ug/l #	97
48) Methyl methacrylate	9.295	41	3614	3.835	ug/l #	87
49) 1,4-Dioxane	9.301	88	1499	23.353	ug/l #	33
51) 4-Methyl-2-Pentanone	10.075	43	22467	21.726	ug/l	90
52) Toluene	10.246	92	18591	4.248	ug/l	90
53) t-1,3-Dichloropropene	10.471	75	9475	4.053	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	11015	4.016	ug/l #	88
55) 1,1,2-Trichloroethane	10.654	97	5635	4.347	ug/l	93
56) Ethyl methacrylate	10.514	69	6782	4.028	ug/l #	87
57) 1,3-Dichloropropane	10.794	76	9041	4.097	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	17300	21.191	ug/l	92
59) 2-Hexanone	10.837	43	15136	21.360	ug/l	95
60) Dibromochloromethane	10.990	129	6812	4.189	ug/l	95
61) 1,2-Dibromoethane	11.099	107	5533	4.487	ug/l	95
64) Tetrachloroethene	10.727	164	8724	4.050	ug/l	97
65) Chlorobenzene	11.520	112	19766	4.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	7338	4.118	ug/l	97
67) Ethyl Benzene	11.599	91	33611	3.906	ug/l	99
68) m/p-Xylenes	11.709	106	24994	7.516	ug/l	100
69) o-Xylene	12.038	106	12444	3.919	ug/l	95
70) Styrene	12.050	104	20333	3.852	ug/l	96
71) Bromoform	12.215	173	3884	3.929	ug/l #	97
73) Isopropylbenzene	12.337	105	32122	3.685	ug/l	98
74) N-amyl acetate	12.148	43	7314	3.861	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.587	83	5758	4.151	ug/l	96
76) 1,2,3-Trichloropropane	12.636	75	3774m	3.449	ug/l	
77) Bromobenzene	12.611	156	8064	4.085	ug/l	92
78) n-propylbenzene	12.678	91	39006	3.785	ug/l	97
79) 2-Chlorotoluene	12.764	91	22378	3.893	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	26958	3.817	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	2064	4.089	ug/l	94
82) 4-Chlorotoluene	12.861	91	23342	3.955	ug/l	97
83) tert-Butylbenzene	13.081	119	24922	3.944	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	27813	3.980	ug/l	99
85) sec-Butylbenzene	13.257	105	35251	3.801	ug/l	99
86) p-Isopropyltoluene	13.373	119	29132	3.790	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	15984	4.094	ug/l	98
88) 1,4-Dichlorobenzene	13.453	146	16156	4.187	ug/l	94
89) n-Butylbenzene	13.703	91	27929	3.954	ug/l	98
90) Hexachloroethane	13.965	117	4842	3.655	ug/l	95
91) 1,2-Dichlorobenzene	13.745	146	14220	4.216	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1304m	5.253	ug/l	
93) 1,2,4-Trichlorobenzene	15.013	180	9083	4.363	ug/l	97
94) Hexachlorobutadiene	15.117	225	5122	4.502	ug/l	98
95) Naphthalene	15.245	128	18290	4.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	7915	4.451	ug/l	98

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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

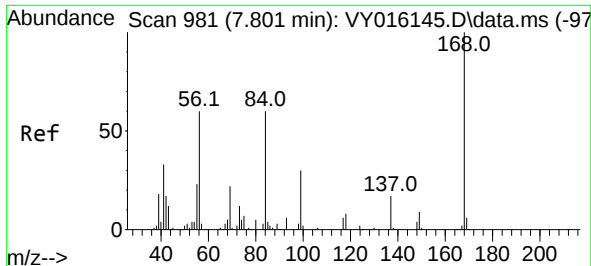
Quant Time: Nov 01 03:40:18 2023
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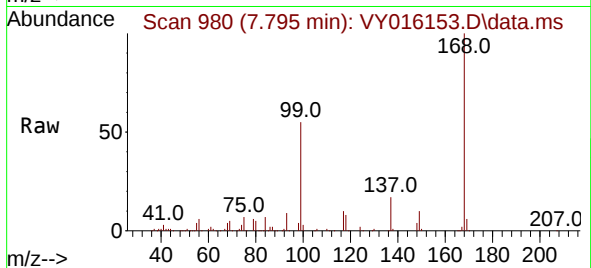
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.006 min
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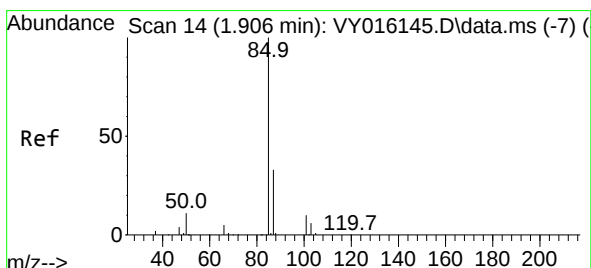
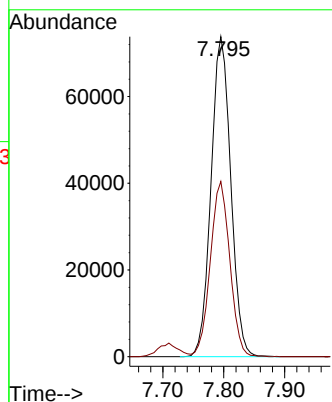
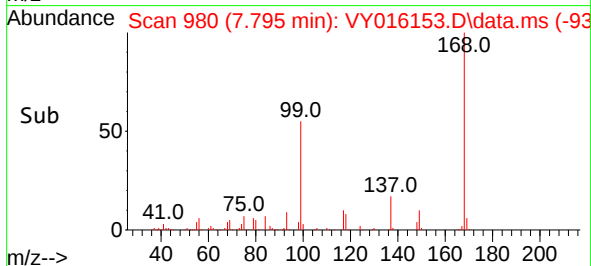
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion:168 Resp: 166148
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0

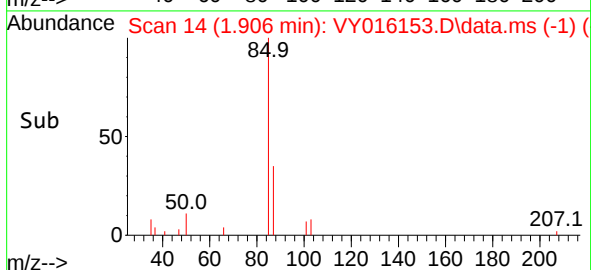
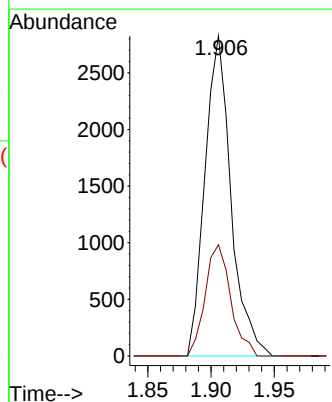
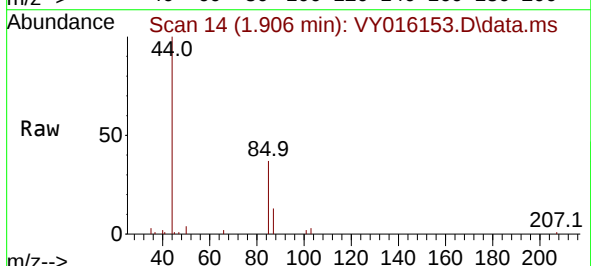
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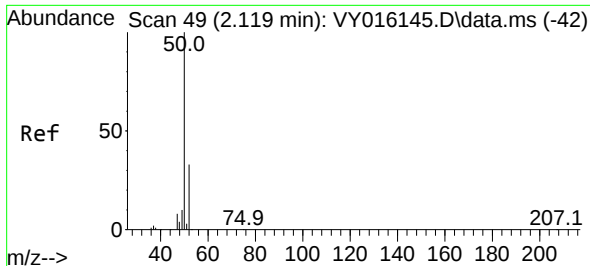
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#2
Dichlorodifluoromethane
Concen: 3.819 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

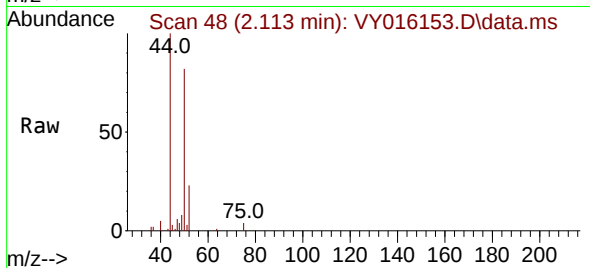
Tgt Ion: 85 Resp: 4048
Ion Ratio Lower Upper
85 100
87 34.7 15.6 46.8





#3
Chloromethane
Concen: 4.420 ug/l
RT: 2.113 min Scan# 49
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

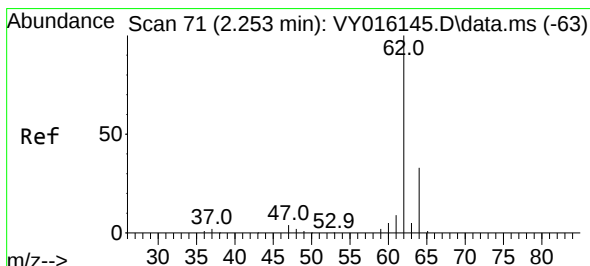
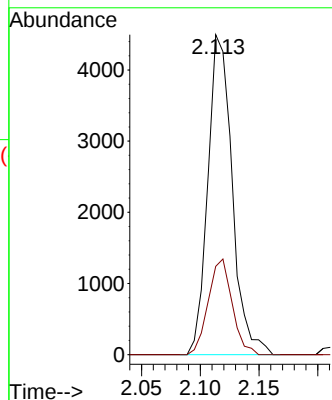
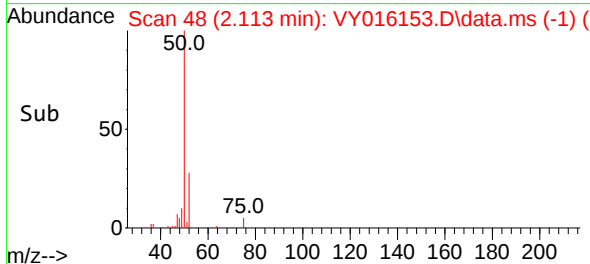
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 50 Resp: 6480
Ion Ratio Lower Upper
50 100
52 27.6 25.4 38.2

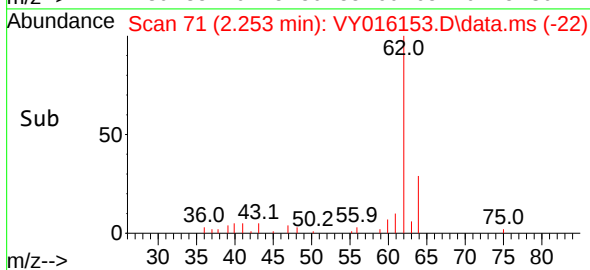
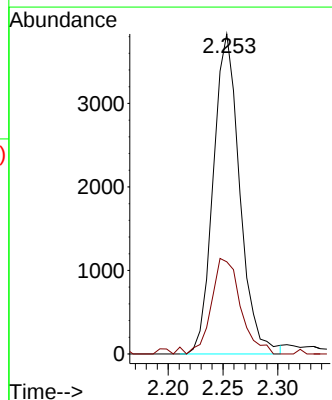
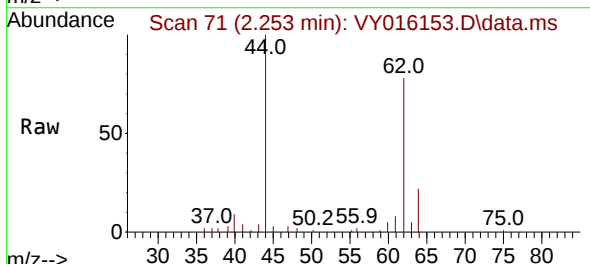
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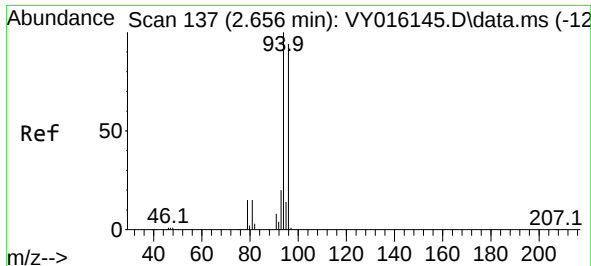
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#4
Vinyl Chloride
Concen: 4.247 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

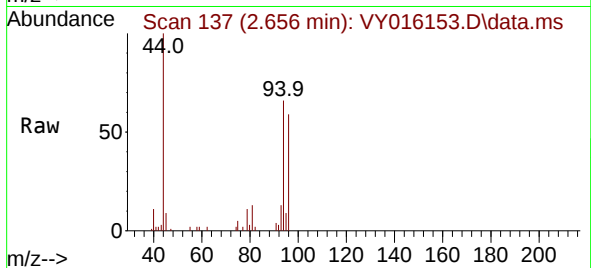
Tgt Ion: 62 Resp: 6432
Ion Ratio Lower Upper
62 100
64 28.8 24.3 36.5





#5
Bromomethane
Concen: 4.273 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

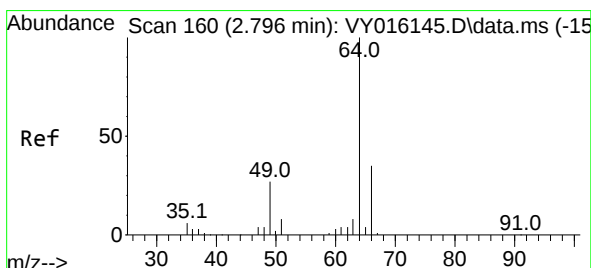
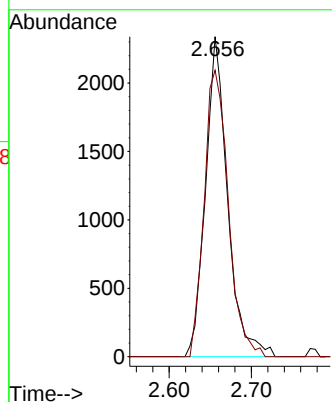
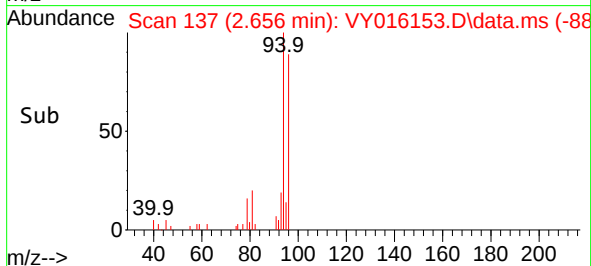
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



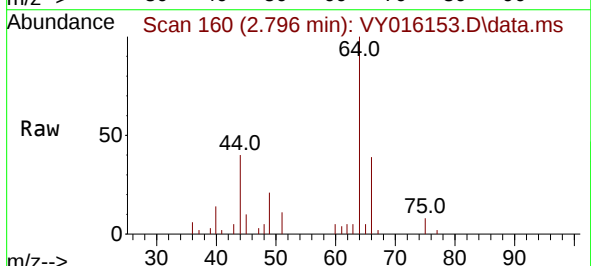
Tgt Ion: 94 Resp: 436
Ion Ratio Lower Upper
94 100
96 89.5 75.8 113.6

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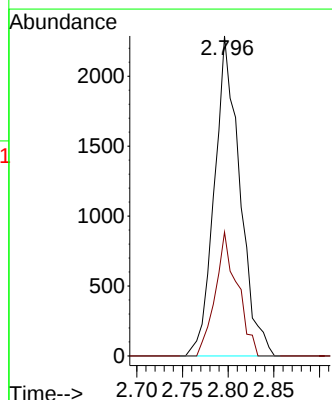
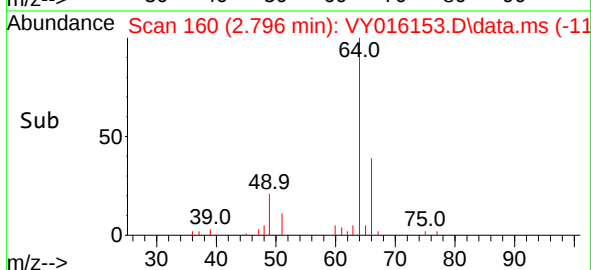
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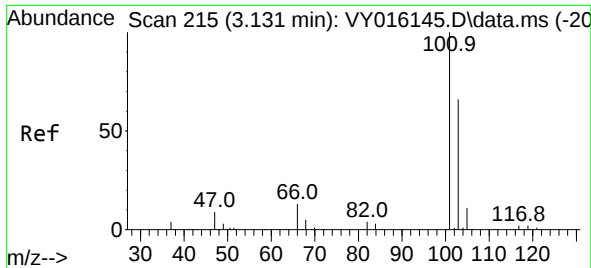


#6
Chloroethane
Concen: 4.157 ug/l
RT: 2.796 min Scan# 160
Delta R.T. -0.000 min
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Tgt Ion: 64 Resp: 4432
Ion Ratio Lower Upper
64 100
66 38.7 24.4 36.6#





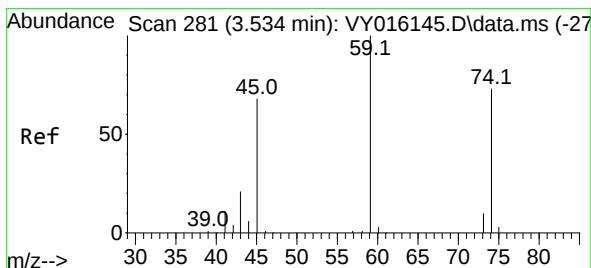
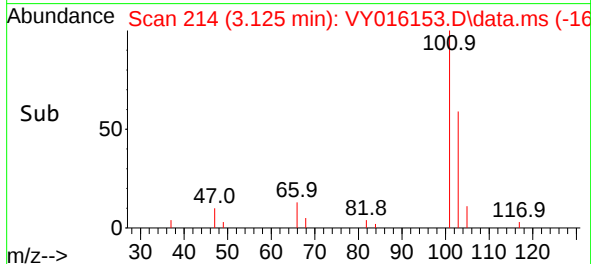
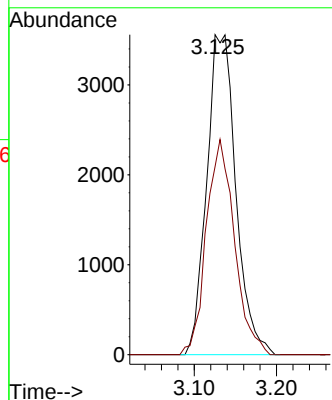
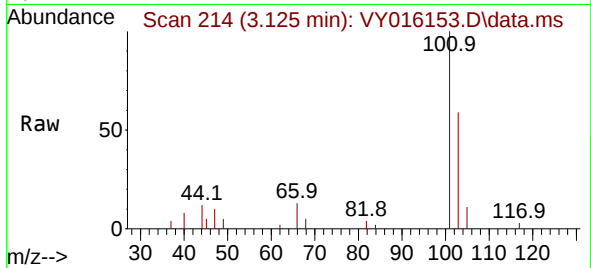
#7
Trichlorofluoromethane
Concen: 3.848 ug/l
RT: 3.125 min Scan# 215
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:101 Resp: 8798
Ion Ratio Lower Upper
101 100
103 58.8 51.4 77.0

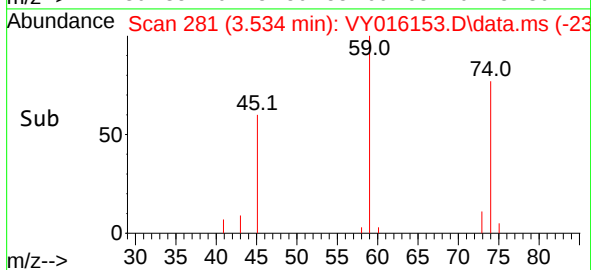
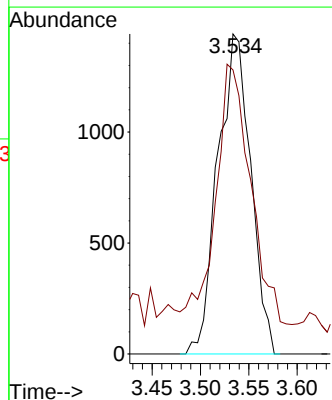
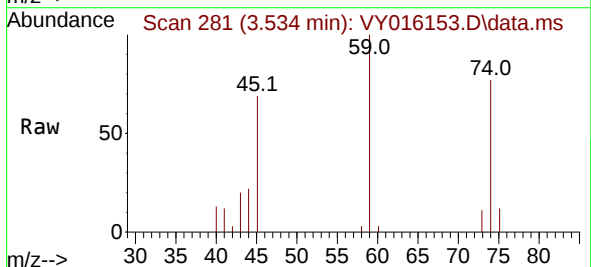
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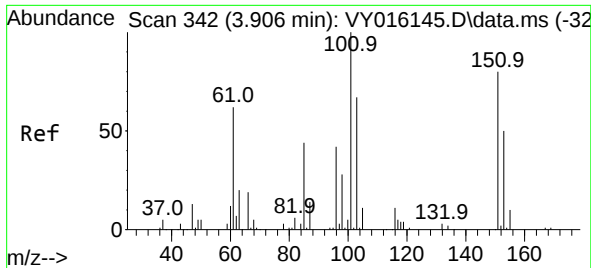
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#8
Diethyl Ether
Concen: 4.495 ug/l
RT: 3.534 min Scan# 281
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 74 Resp: 3406
Ion Ratio Lower Upper
74 100
45 85.4 51.5 154.5





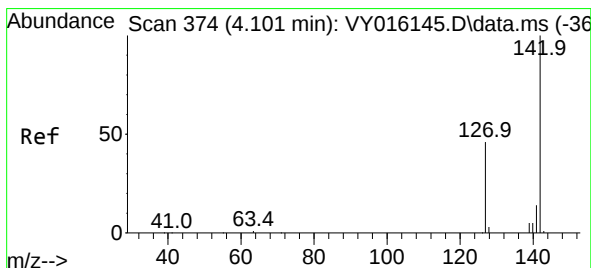
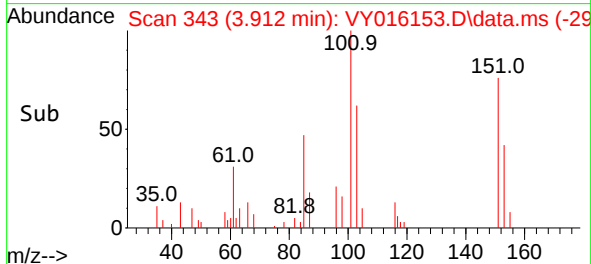
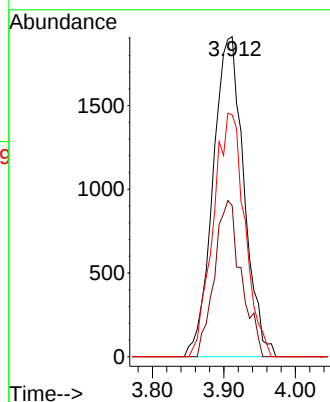
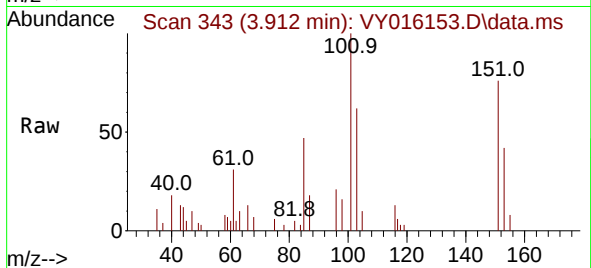
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.987 ug/l
RT: 3.912 min Scan# 342
Delta R.T. 0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:101 Resp: 574
Ion Ratio Lower Upper
101 100
85 42.2 36.6 55.0
151 77.4 67.0 100.6

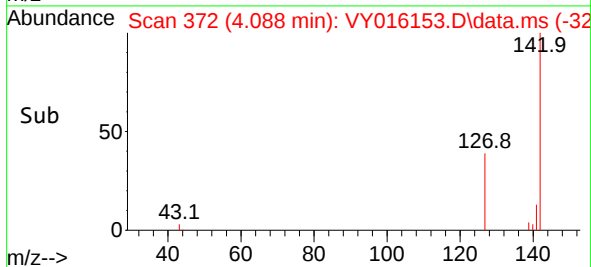
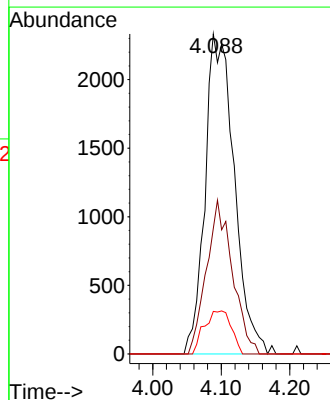
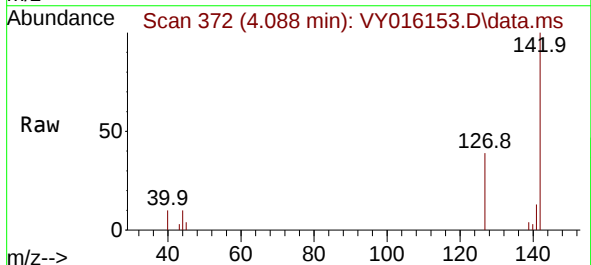
Manual Integrations
APPROVED

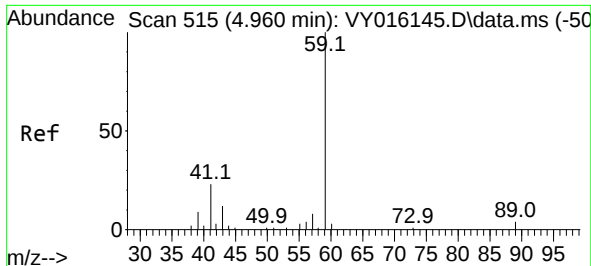
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#10
Methyl Iodide
Concen: 4.305 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.012 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:142 Resp: 6896
Ion Ratio Lower Upper
142 100
127 42.9 37.6 56.4
141 12.5 11.8 17.8





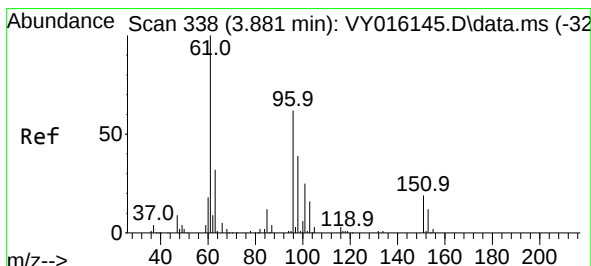
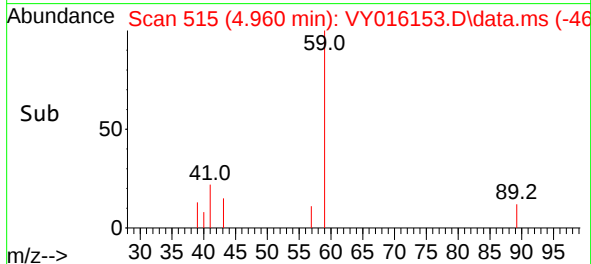
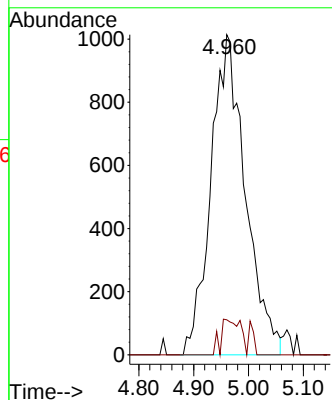
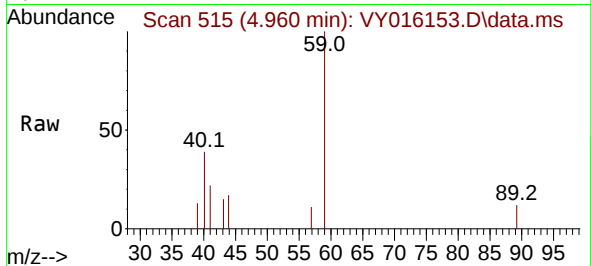
#11
Tert butyl alcohol
Concen: 38.120 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 59 Resp: 4428
Ion Ratio Lower Upper
59 100
57 6.3 3.0 4.4

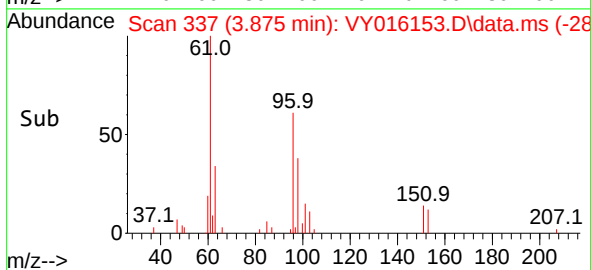
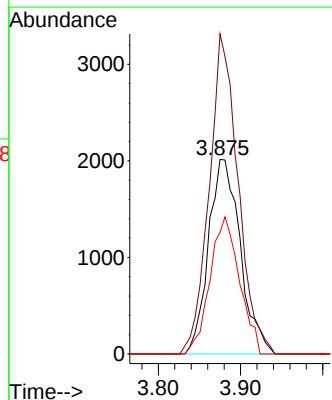
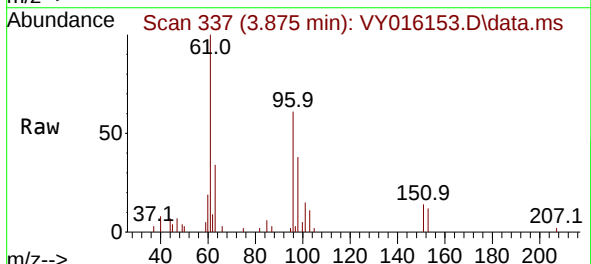
Manual Integrations
APPROVED

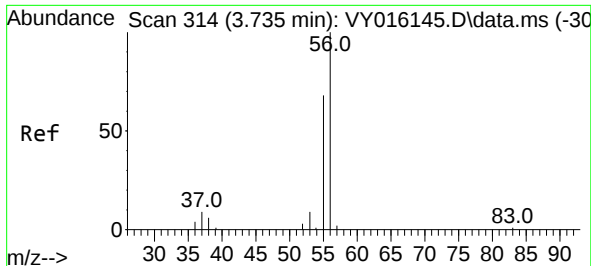
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#12
1,1-Dichloroethene
Concen: 4.122 ug/l
RT: 3.875 min Scan# 337
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 96 Resp: 5419
Ion Ratio Lower Upper
96 100
61 164.5 136.4 204.6
98 62.5 49.4 74.2





#13

Acrolein

Concen: 17.366 ug/l

RT: 3.735 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

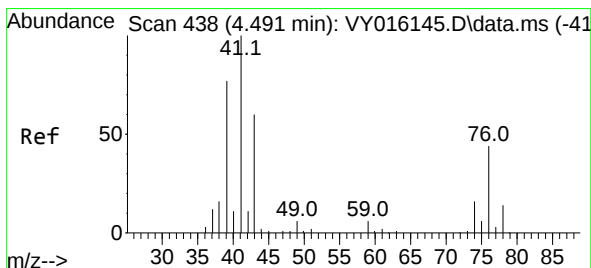
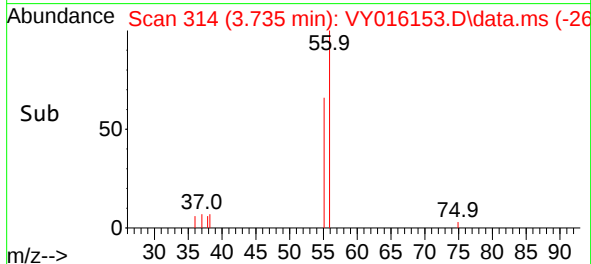
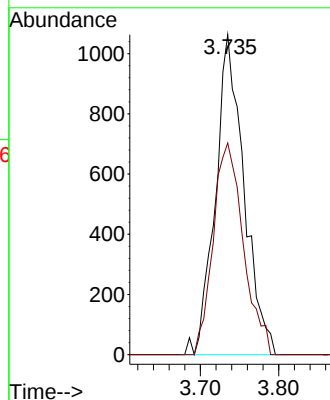
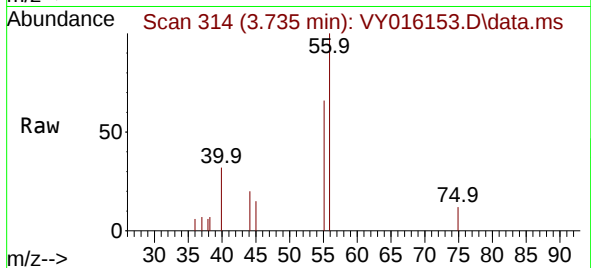
55 70.1 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#14

Allyl chloride

Concen: 4.070 ug/l

RT: 4.485 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

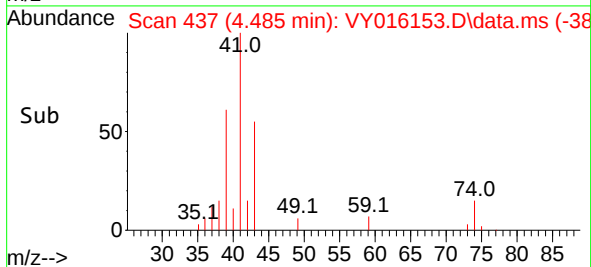
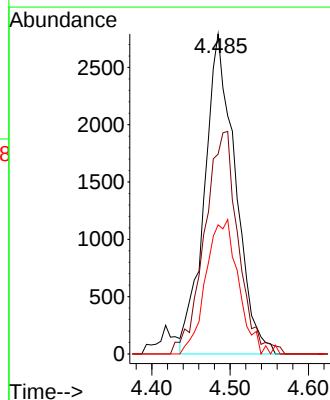
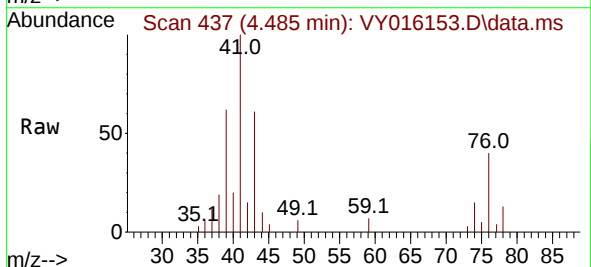
Tgt Ion: 41 Resp: 7654

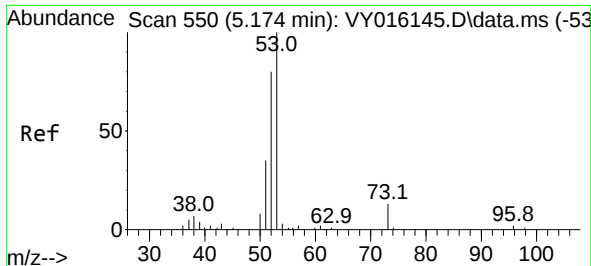
Ion Ratio Lower Upper

41 100

39 75.8 58.0 87.0

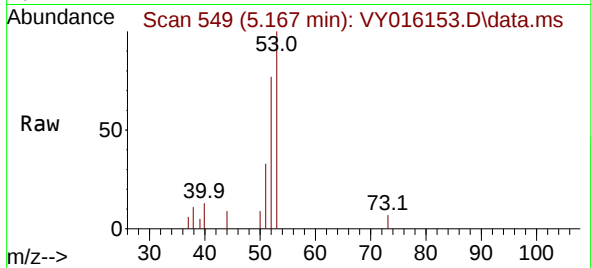
76 44.3 27.4 41.2#





#15
Acrylonitrile
Concen: 22.892 ug/l
RT: 5.167 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

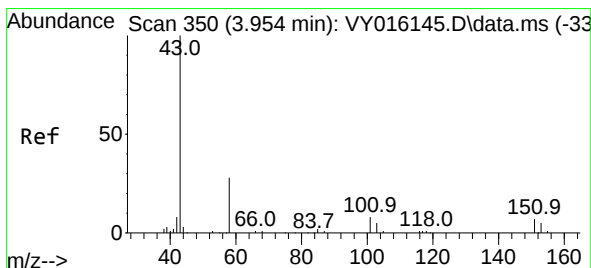
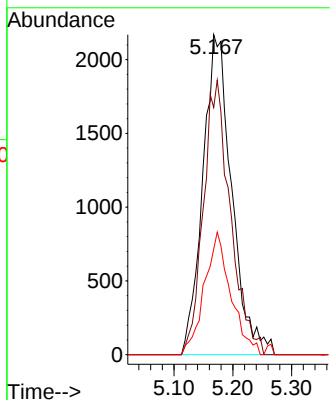
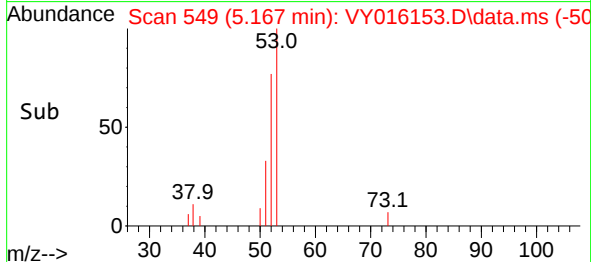
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



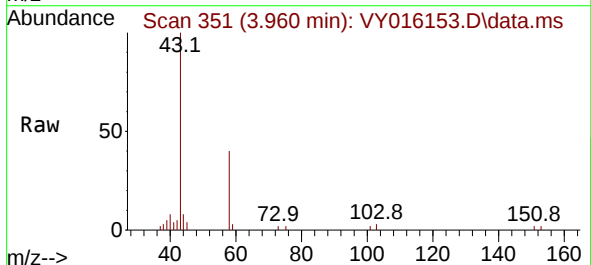
Tgt Ion: 53 Resp: 741
Ion Ratio Lower Upper
53 100
52 80.1 66.9 100.3
51 35.0 29.8 44.6

Manual Integrations
APPROVED

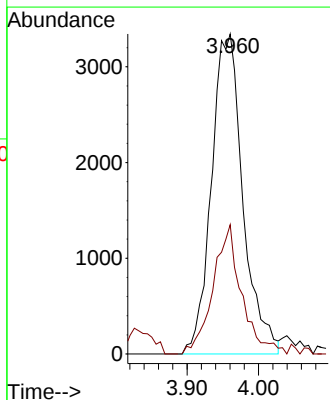
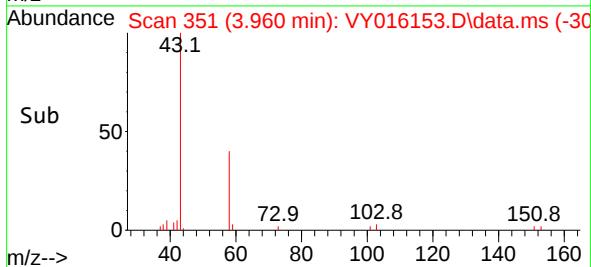
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

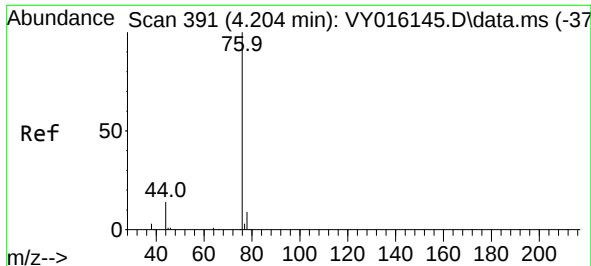


#16
Acetone
Concen: 23.904 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



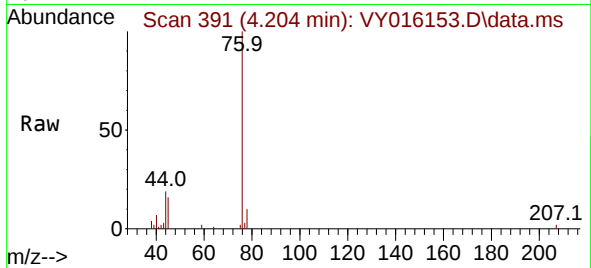
Tgt Ion: 43 Resp: 10215
Ion Ratio Lower Upper
43 100
58 40.4 22.7 34.1#





#17
Carbon Disulfide
Concen: 3.996 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

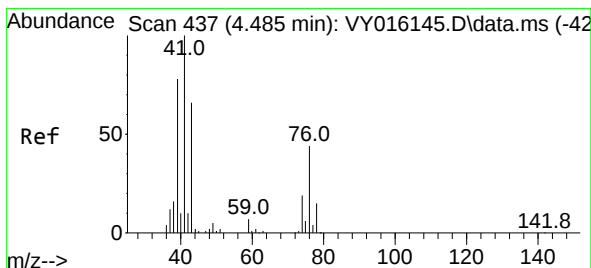
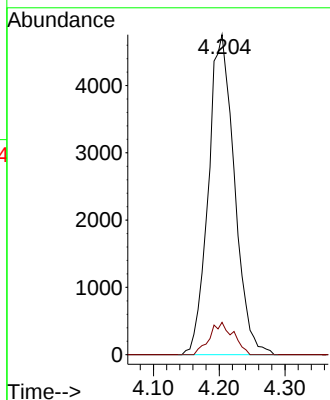
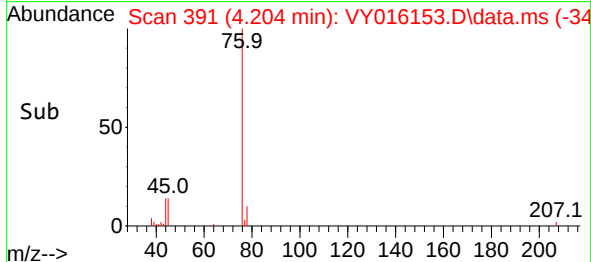
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 76 Resp: 1311
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4

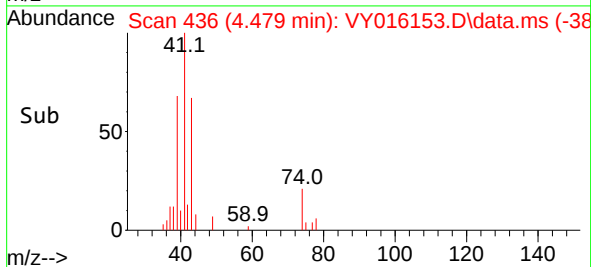
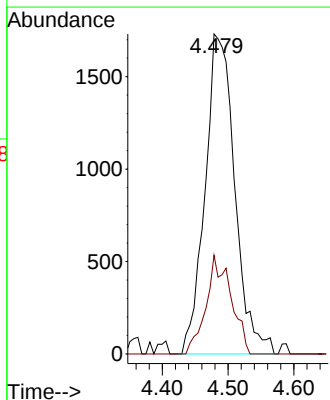
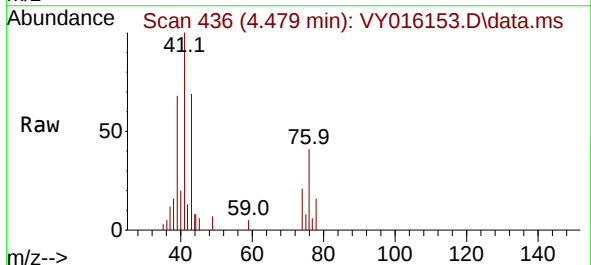
Manual Integrations
APPROVED

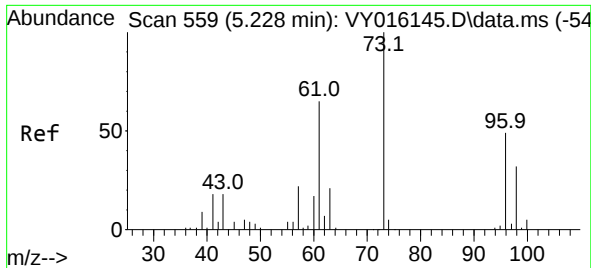
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#18
Methyl Acetate
Concen: 4.358 ug/l
RT: 4.479 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 43 Resp: 5449
Ion Ratio Lower Upper
43 100
74 25.9 17.4 26.0





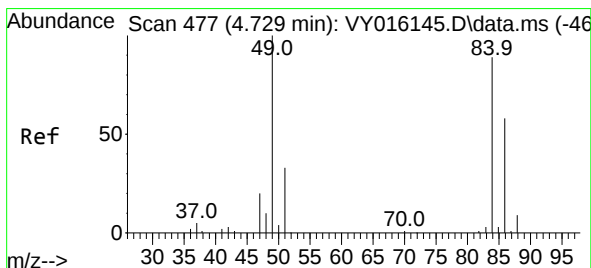
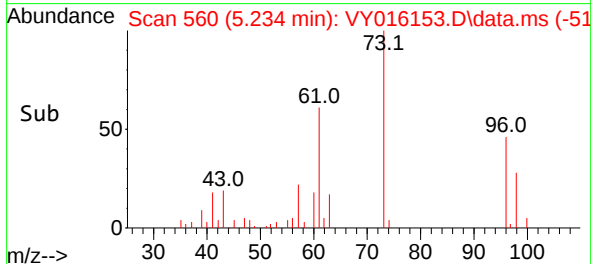
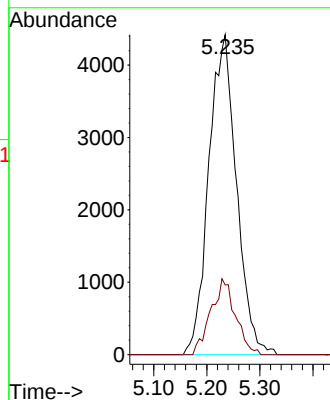
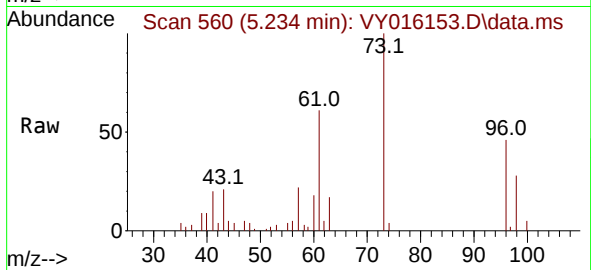
#19
Methyl tert-butyl Ether
Concen: 4.293 ug/l
RT: 5.234 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 73 Resp: 1605
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

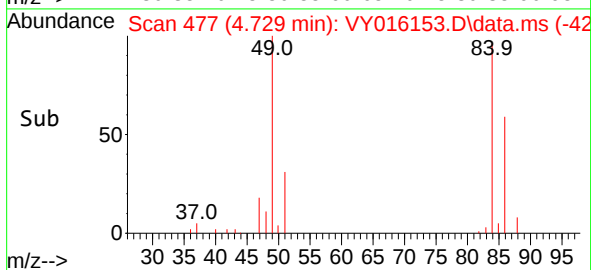
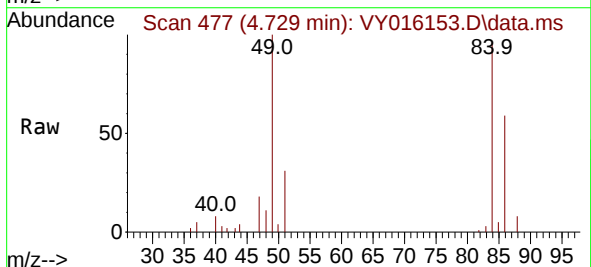
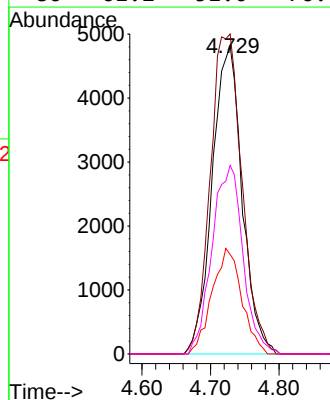
Manual Integrations
APPROVED

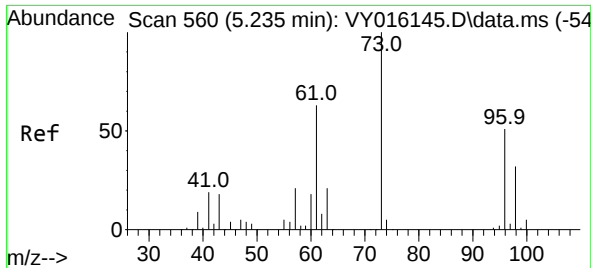
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#20
Methylene Chloride
Concen: 6.578 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

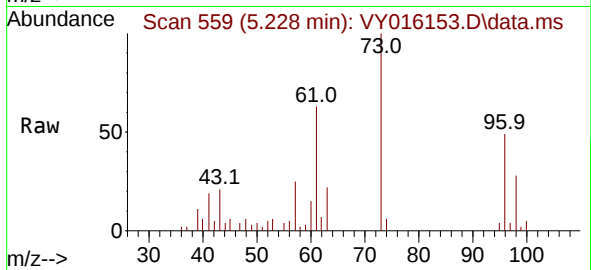
Tgt Ion: 84 Resp: 14585
Ion Ratio Lower Upper
84 100
49 103.8 106.9 160.3#
51 32.3 33.2 49.8#
86 61.2 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 4.198 ug/l
RT: 5.228 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

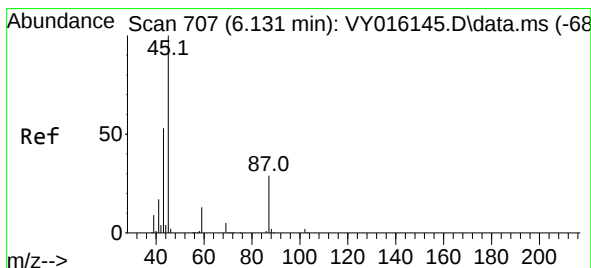
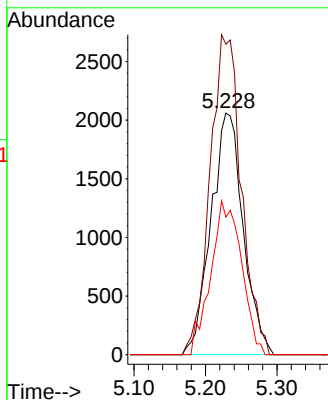
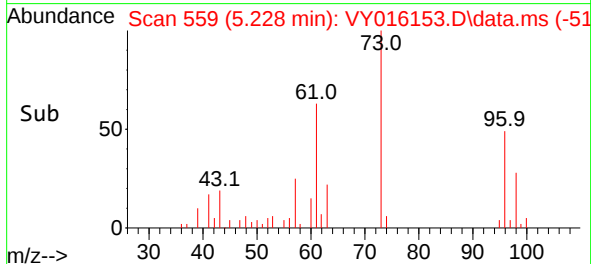
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 96 Resp: 6429
Ion Ratio Lower Upper
96 100
61 128.4 110.2 165.4
98 57.0 51.8 77.6

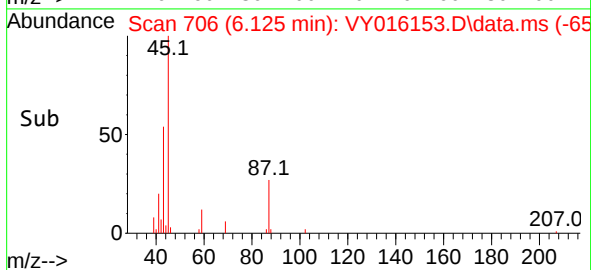
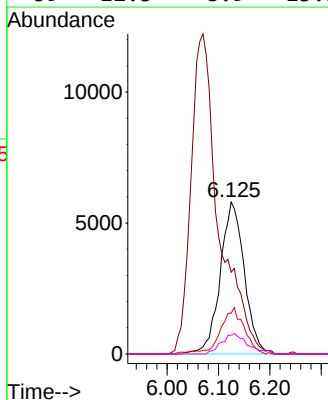
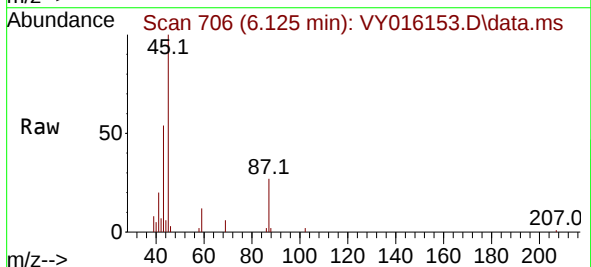
Manual Integrations
APPROVED

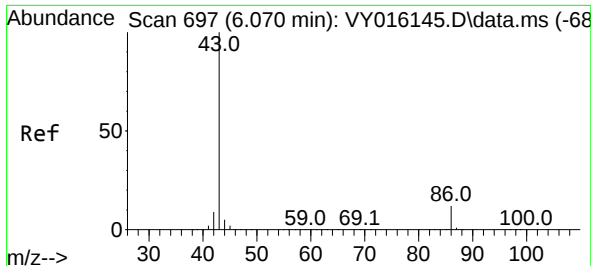
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#22
Diisopropyl ether
Concen: 4.150 ug/l
RT: 6.125 min Scan# 706
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 45 Resp: 18874
Ion Ratio Lower Upper
45 100
43 53.9 52.2 78.4
87 26.9 21.0 31.6
59 12.3 8.9 13.3





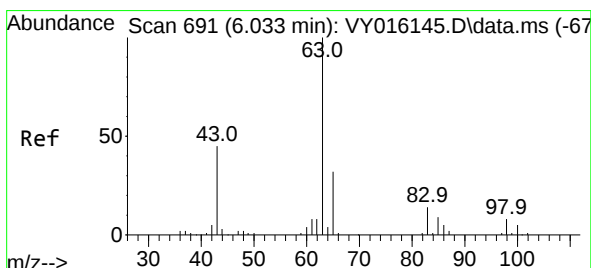
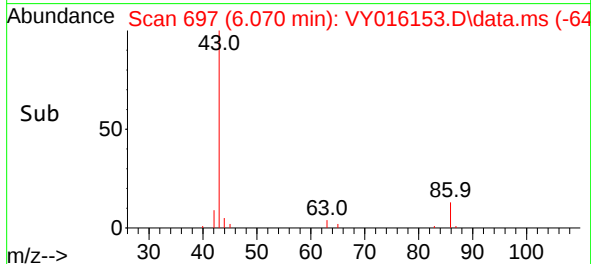
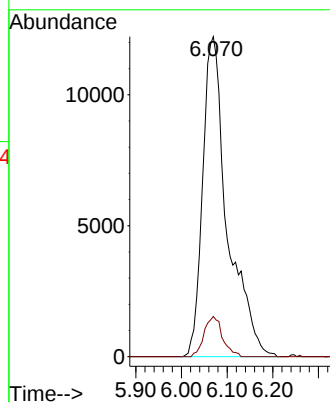
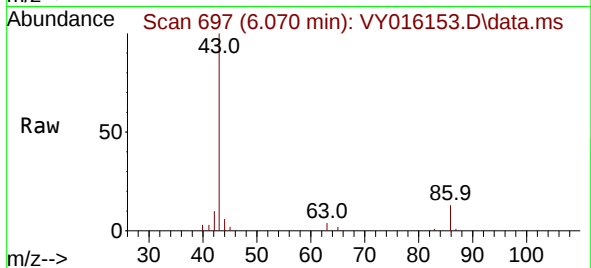
#23
 Vinyl Acetate
 Concen: 20.564 ug/l
 RT: 6.070 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 43 Resp: 4592
 Ion Ratio Lower Upper
 43 100
 86 12.5 7.5 11.3

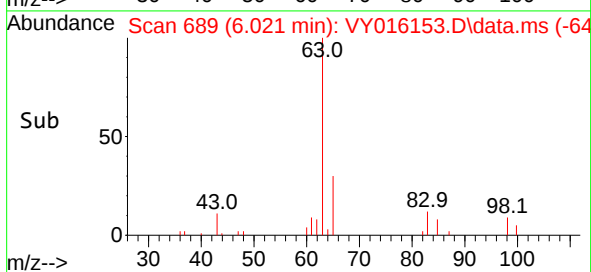
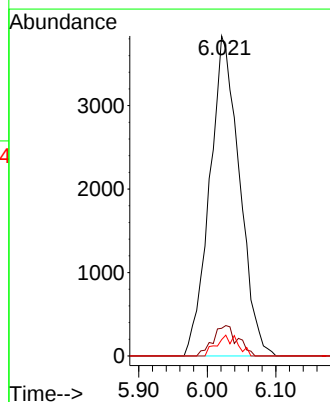
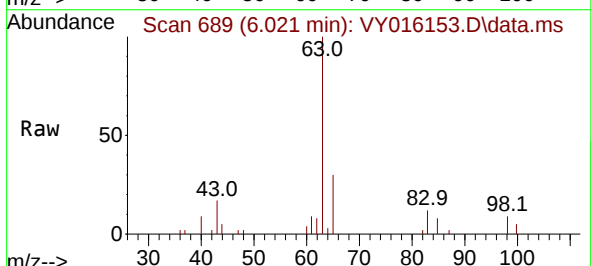
Manual Integrations APPROVED

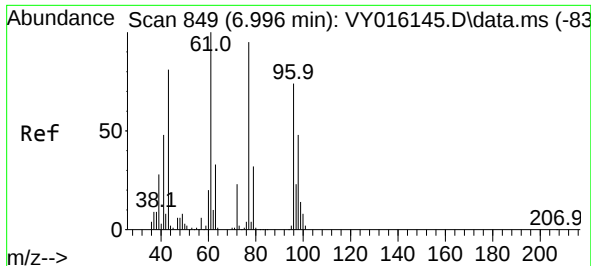
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#24
 1,1-Dichloroethane
 Concen: 4.258 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. -0.012 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

Tgt Ion: 63 Resp: 11591
 Ion Ratio Lower Upper
 63 100
 98 8.6 3.1 9.4
 100 5.1 1.8 5.5





#25

2-Butanone

Concen: 25.757 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 43 Resp: 1104

Ion Ratio Lower Upper

43 100

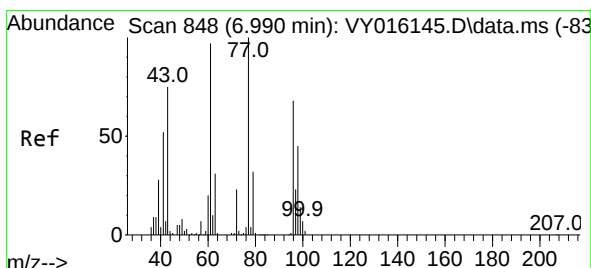
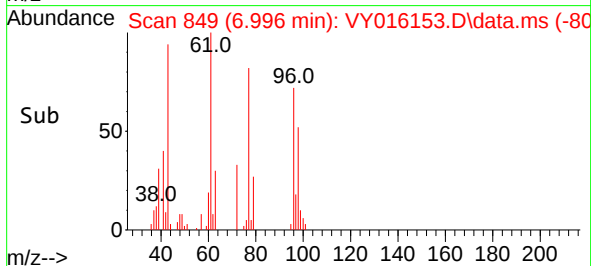
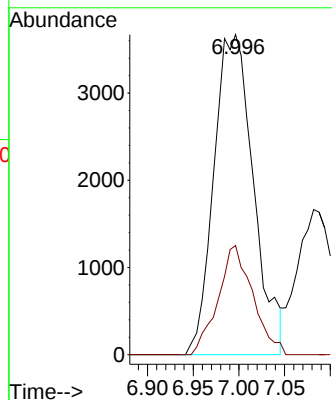
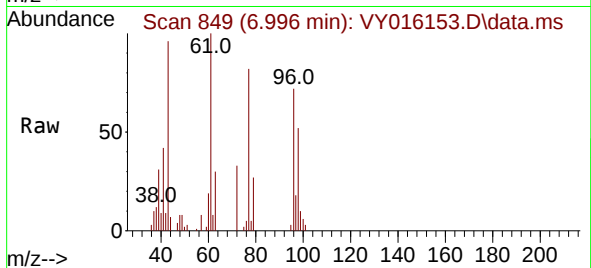
72 34.1 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#26

2,2-Dichloropropane

Concen: 4.060 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY016153.D

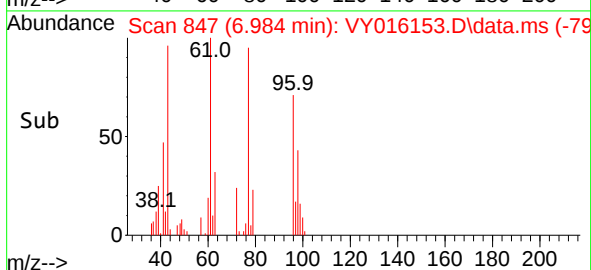
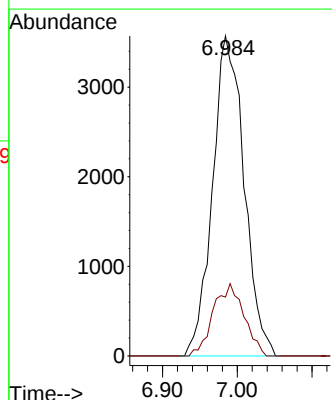
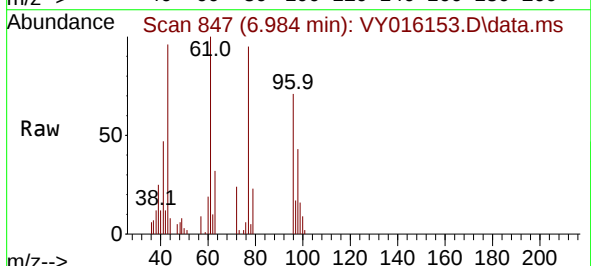
Acq: 31 Oct 2023 17:59

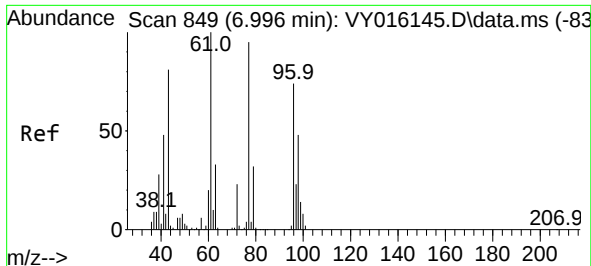
Tgt Ion: 77 Resp: 10447

Ion Ratio Lower Upper

77 100

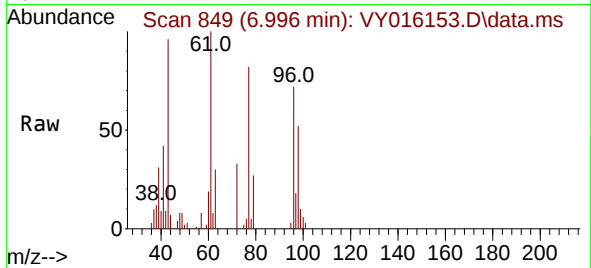
97 22.1 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 4.341 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. -0.000 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

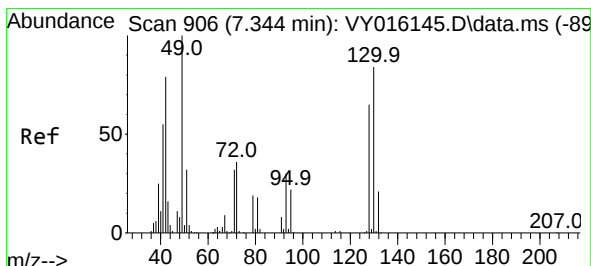
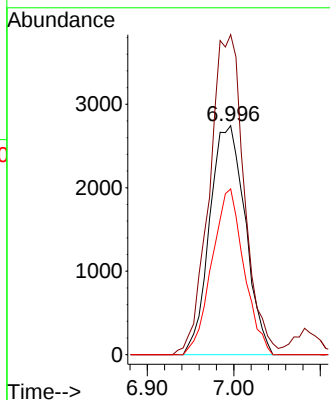
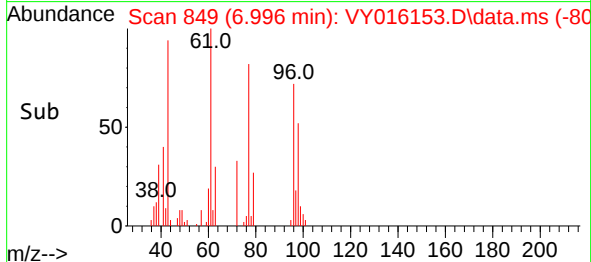
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB



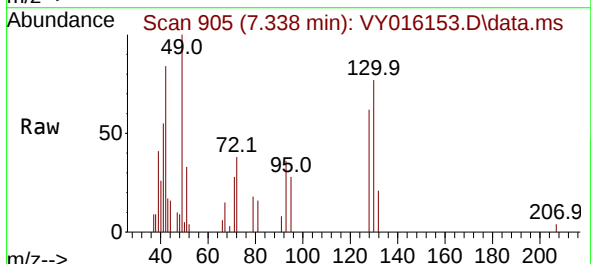
Tgt Ion: 96 Resp: 7824
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 301.4
 98 65.3 0.0 130.4

Manual Integrations APPROVED

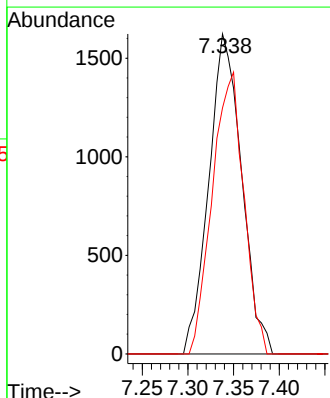
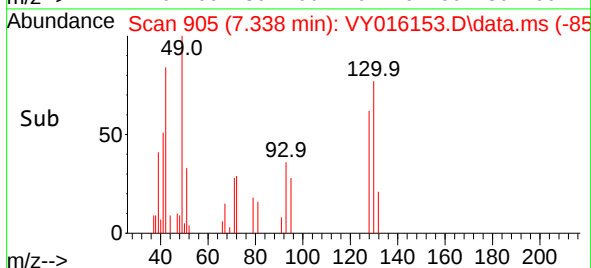
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023

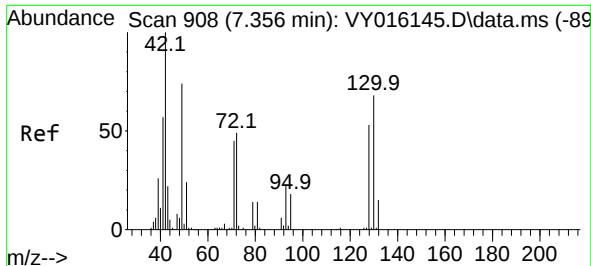


#28
 Bromochloromethane
 Concen: 3.982 ug/l
 RT: 7.338 min Scan# 905
 Delta R.T. -0.006 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59



Tgt Ion: 49 Resp: 4056
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 84.4 60.7 91.1





#29

Tetrahydrofuran

Concen: 21.954 ug/l

RT: 7.350 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

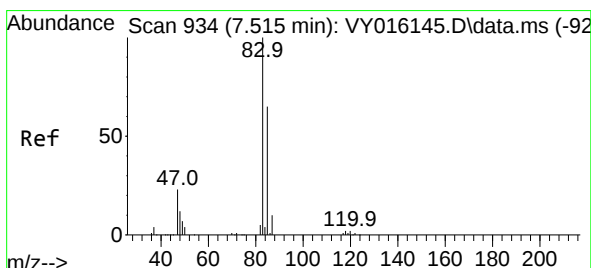
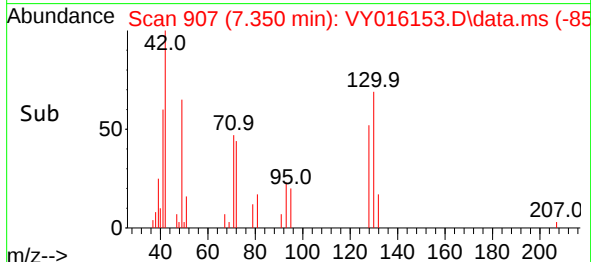
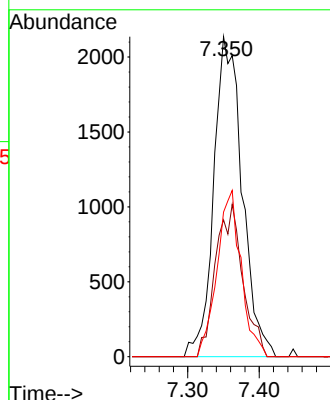
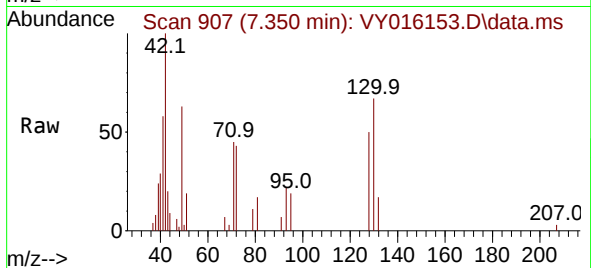
Tgt Ion:	42	Resp:	590
Ion	Ratio	Lower	Upper
42	100		
72	45.5	32.8	49.2
71	43.9	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#30

Chloroform

Concen: 4.262 ug/l

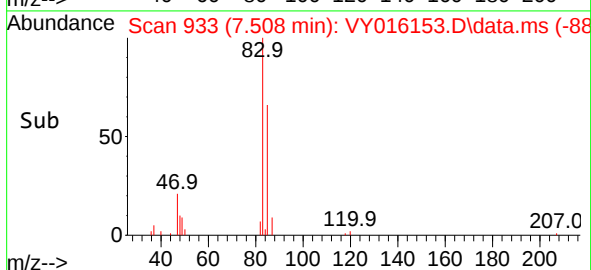
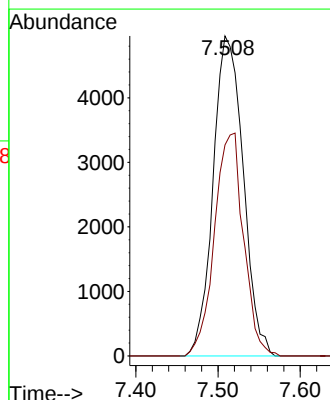
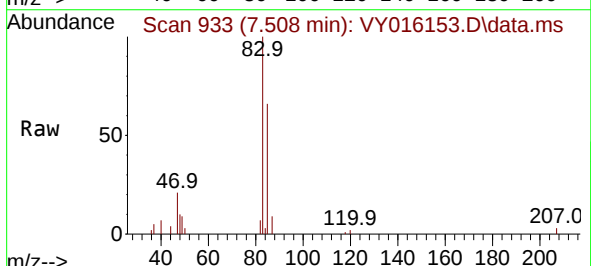
RT: 7.508 min Scan# 933

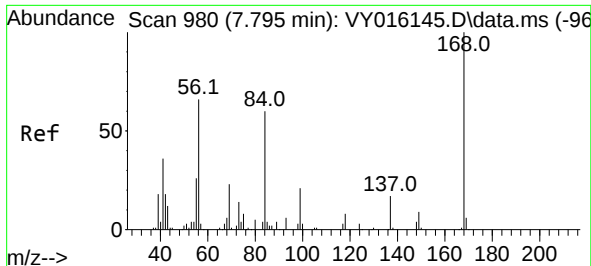
Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

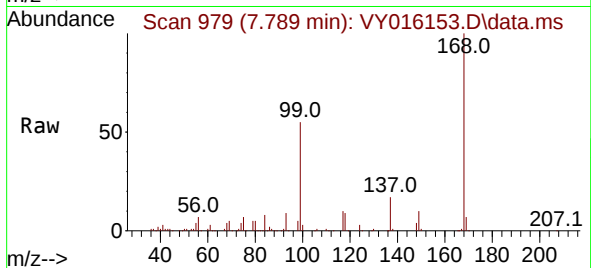
Tgt Ion:	83	Resp:	12632
Ion	Ratio	Lower	Upper
83	100		
85	66.0	49.7	74.5





#31
Cyclohexane
Concen: 4.878 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

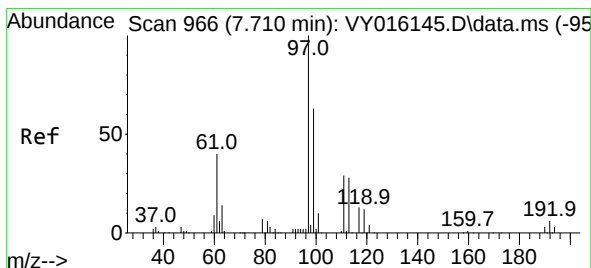
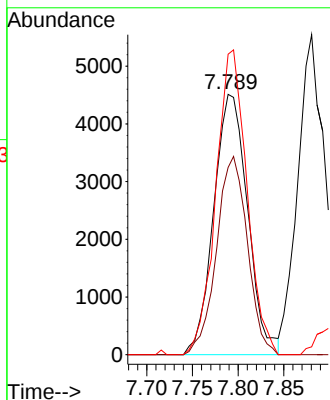
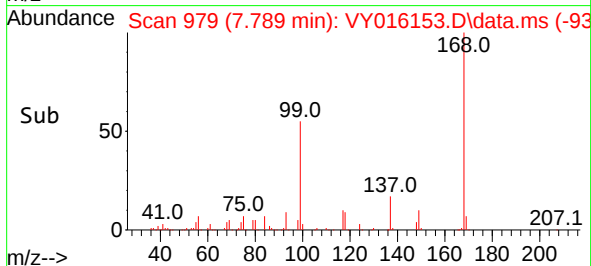
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 56 Resp: 11659
Ion Ratio Lower Upper
56 100
69 71.9 27.8 41.6
84 115.4 66.4 99.6

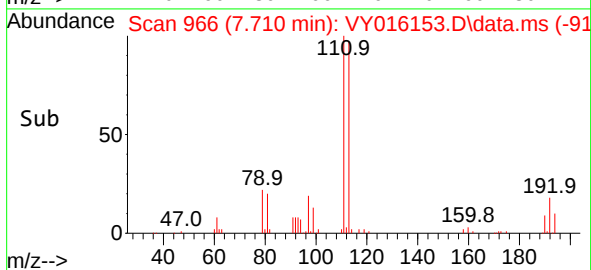
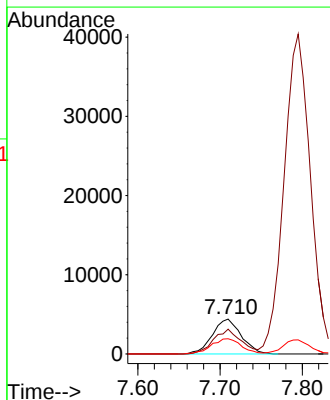
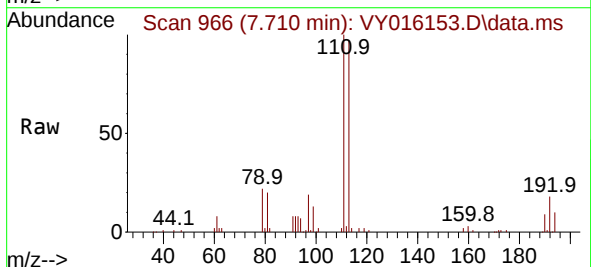
Manual Integrations
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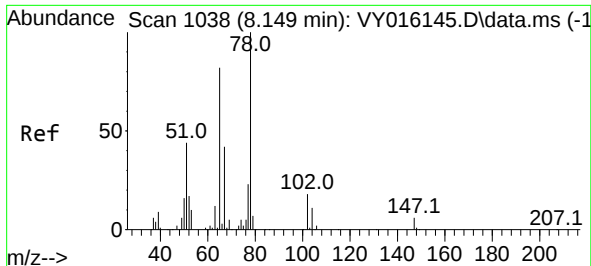
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#32
1,1,1-Trichloroethane
Concen: 3.942 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 97 Resp: 10715
Ion Ratio Lower Upper
97 100
99 68.3 50.8 76.2
61 45.6 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 56.766 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 65 Resp: 88254

Ion Ratio Lower Upper

65 100

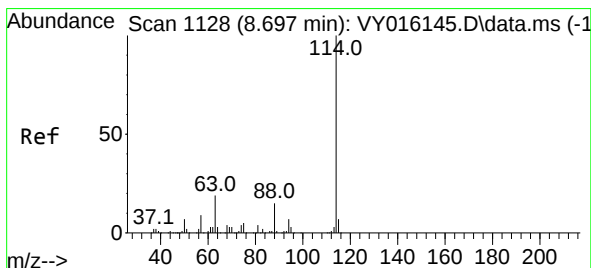
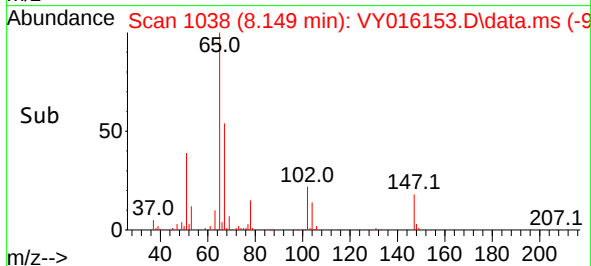
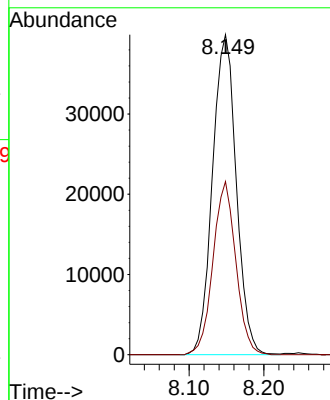
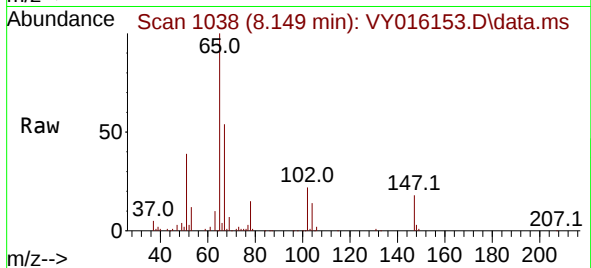
67 51.9 0.0 101.8

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: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

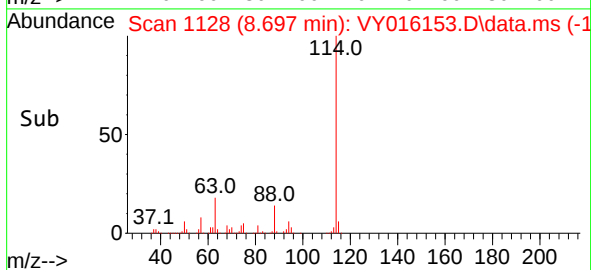
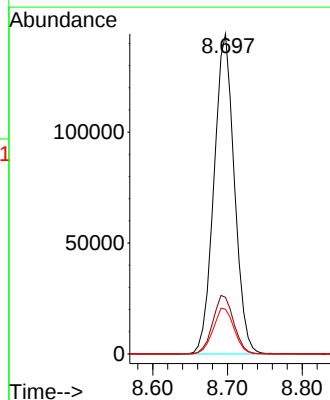
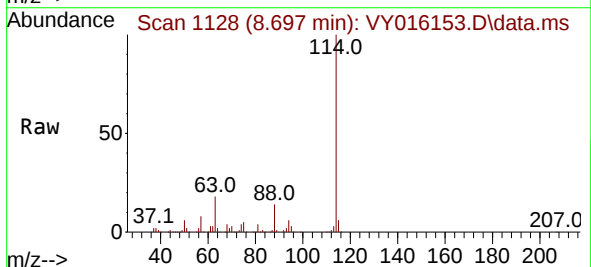
Tgt Ion:114 Resp: 273252

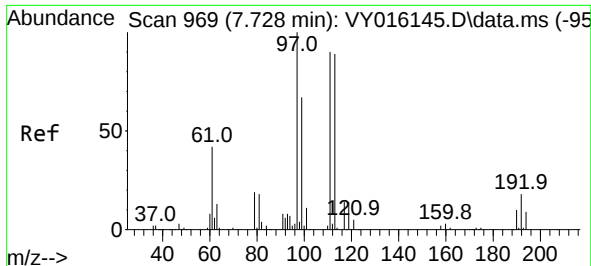
Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

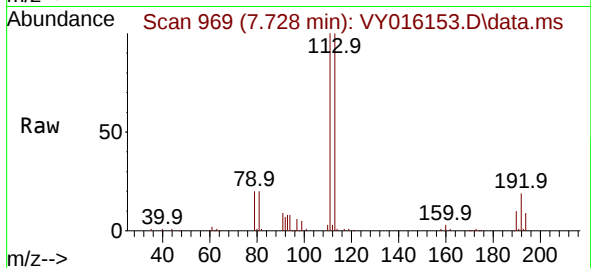
88 14.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 50.306 ug/l
RT: 7.728 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

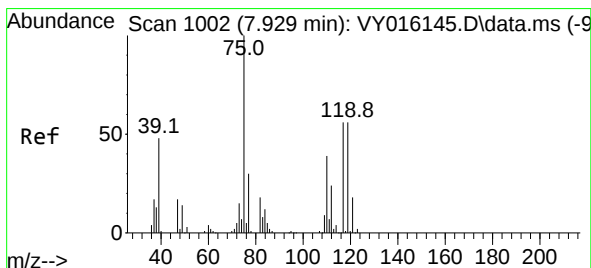
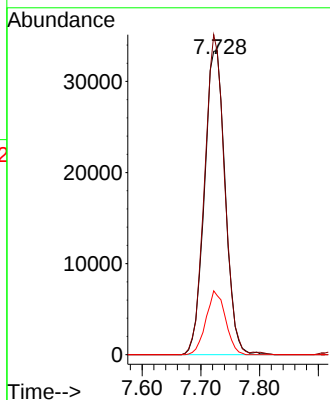
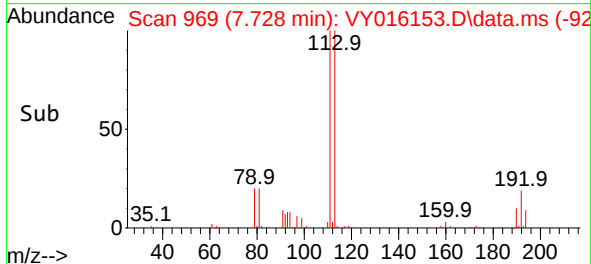
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion:113 Resp: 8195
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.7 16.9 25.3

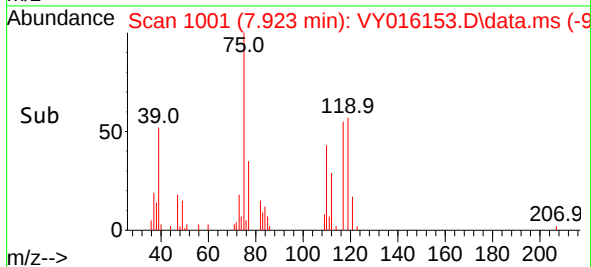
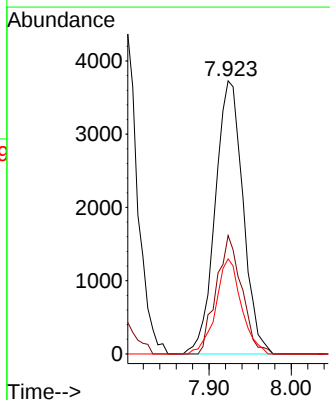
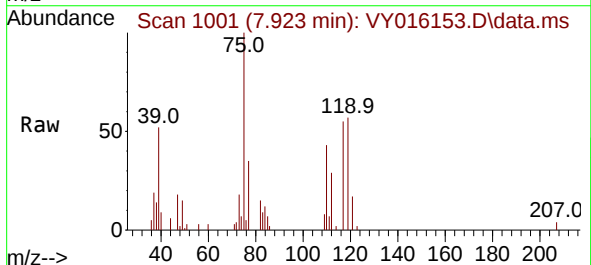
Manual Integrations
APPROVED

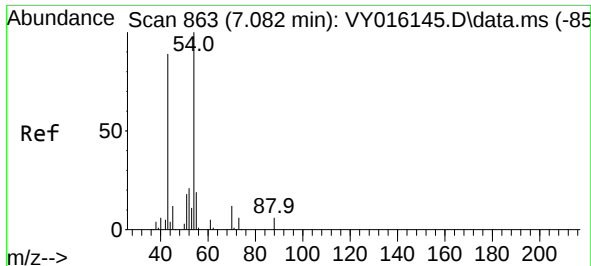
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#36
1,1-Dichloropropene
Concen: 3.728 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

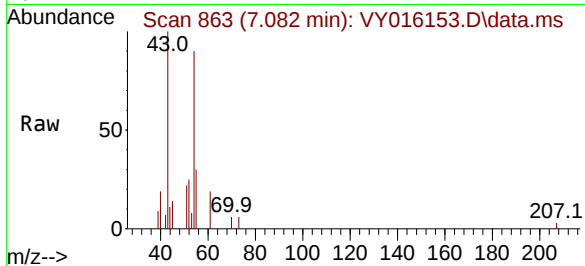
Tgt Ion: 75 Resp: 8769
Ion Ratio Lower Upper
75 100
110 39.6 17.8 53.5
77 32.0 24.4 36.6





#37
Ethyl Acetate
Concen: 4.595 ug/l
RT: 7.082 min Scan# 863
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

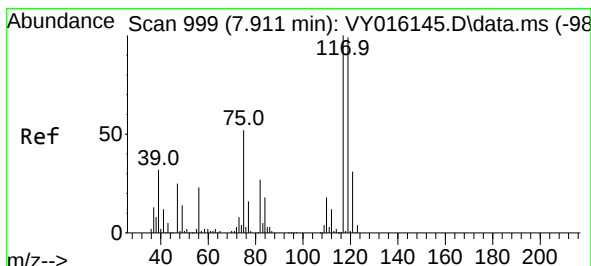
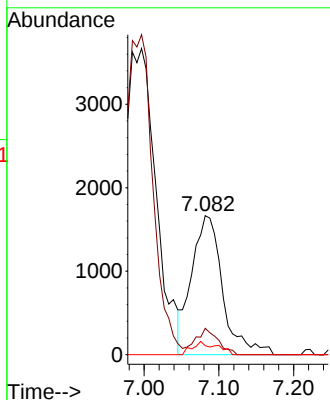
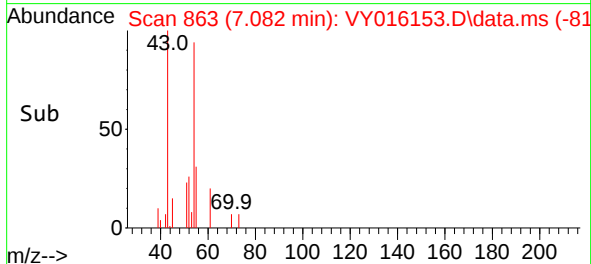
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 43 Resp: 4814
Ion Ratio Lower Upper
43 100
61 13.8 10.1 15.1
70 7.3 7.1 10.7

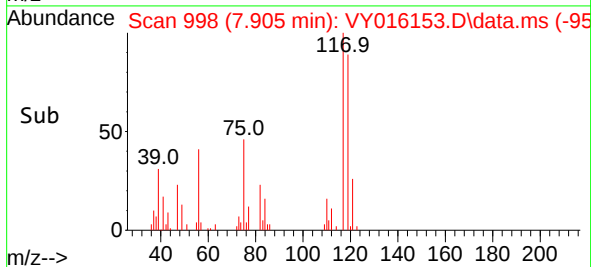
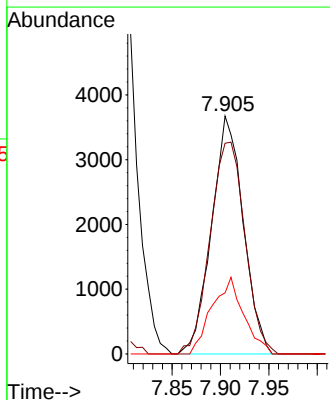
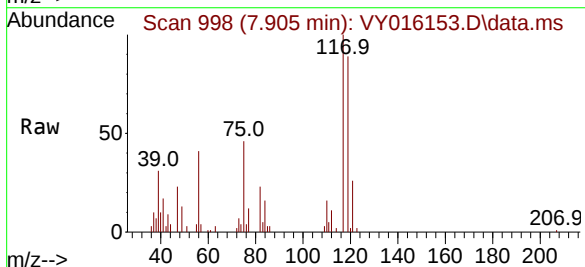
Manual Integrations
APPROVED

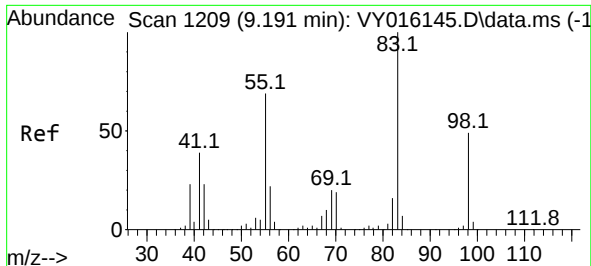
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#38
Carbon Tetrachloride
Concen: 3.593 ug/l
RT: 7.905 min Scan# 998
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:117 Resp: 8373
Ion Ratio Lower Upper
117 100
119 88.6 76.4 114.6
121 25.7 25.8 38.6#





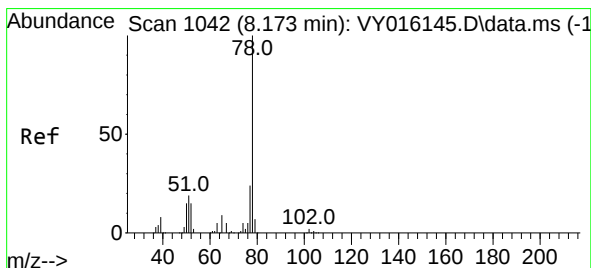
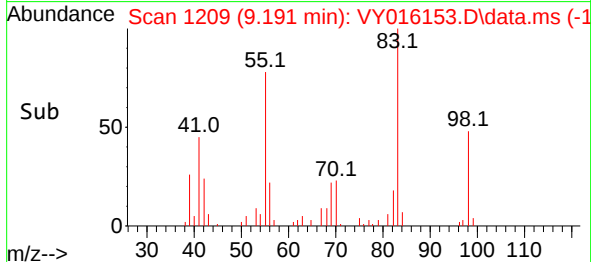
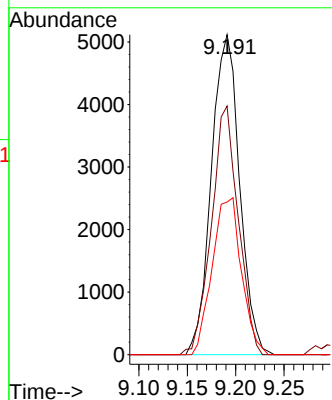
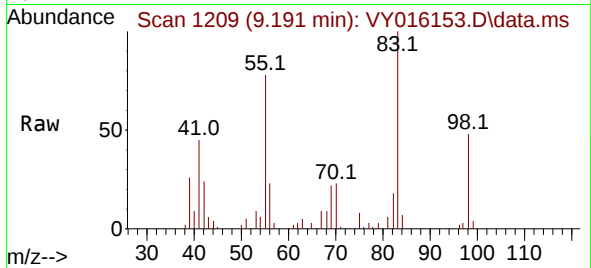
#39
Methylcyclohexane
Concen: 3.701 ug/l
RT: 9.191 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 83 Resp: 1039
Ion Ratio Lower Upper
83 100
55 77.7 63.0 94.4
98 47.7 37.4 56.2

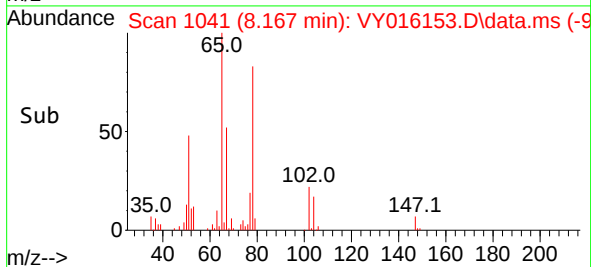
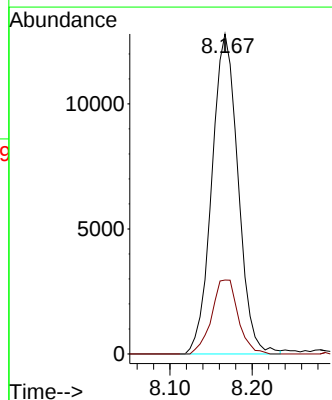
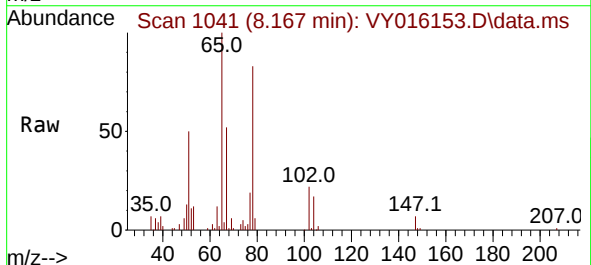
Manual Integrations
APPROVED

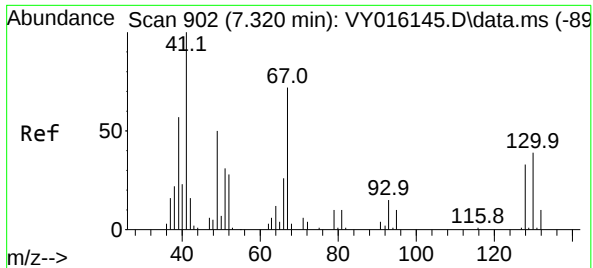
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#40
Benzene
Concen: 4.204 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

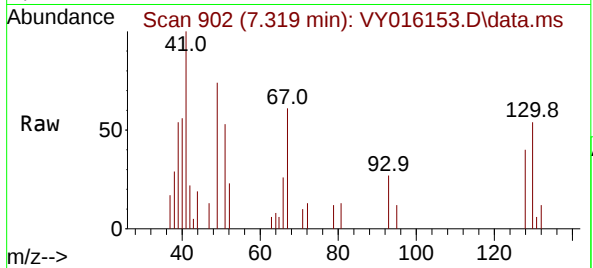
Tgt Ion: 78 Resp: 28392
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6





#41
Methacrylonitrile
Concen: 3.945 ug/l
RT: 7.319 min Scan# 902
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

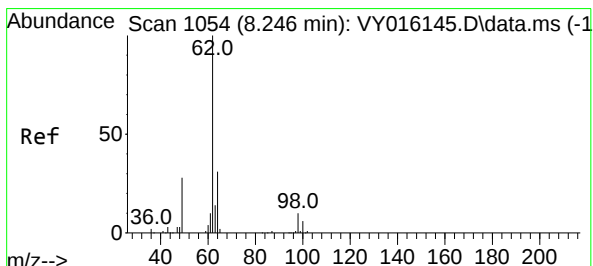
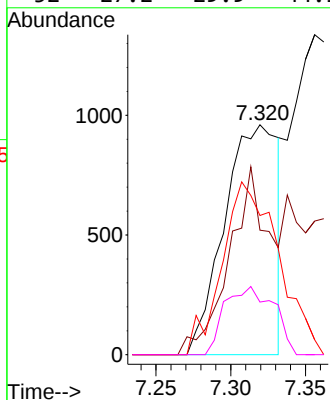
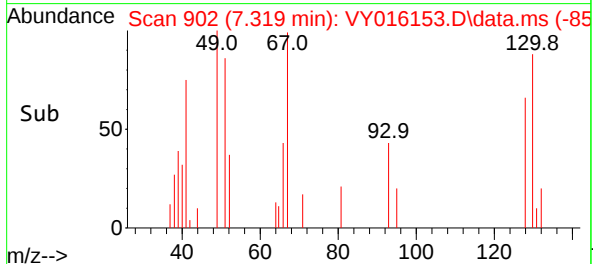
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



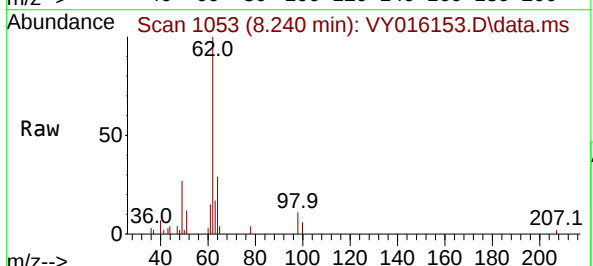
Tgt Ion: 41 Resp: 2399
Ion Ratio Lower Upper
41 100
39 61.4 52.1 78.1
67 79.0 66.2 99.2
52 27.2 29.9 44.9#

Manual Integrations
APPROVED

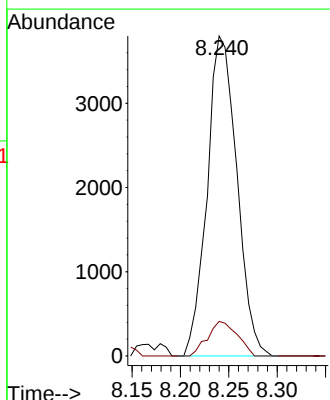
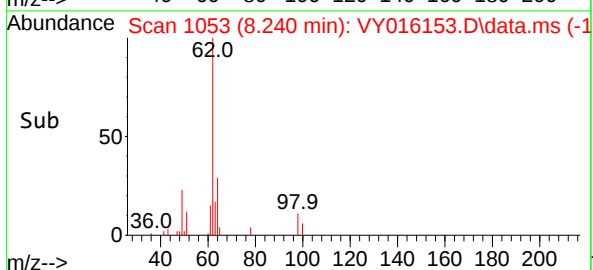
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

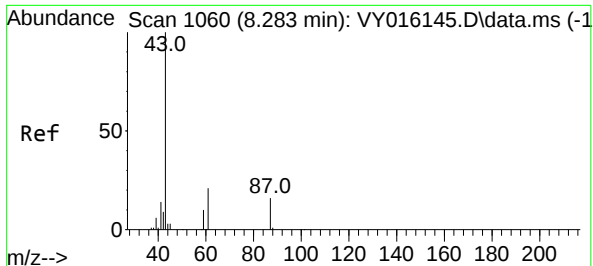


#42
1,2-Dichloroethane
Concen: 4.312 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



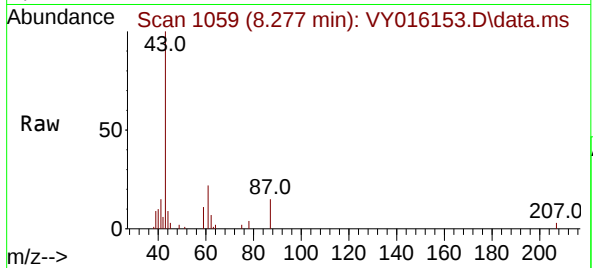
Tgt Ion: 62 Resp: 8126
Ion Ratio Lower Upper
62 100
98 10.7 0.0 15.8





#43
Isopropyl Acetate
Concen: 4.090 ug/l
RT: 8.277 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

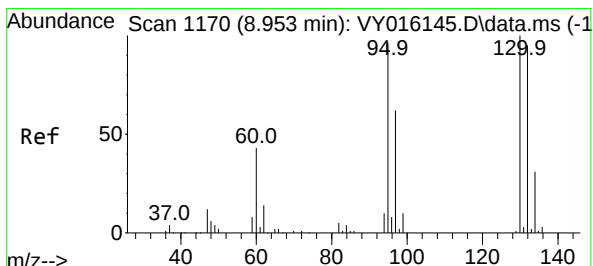
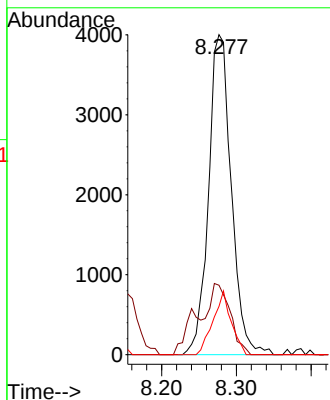
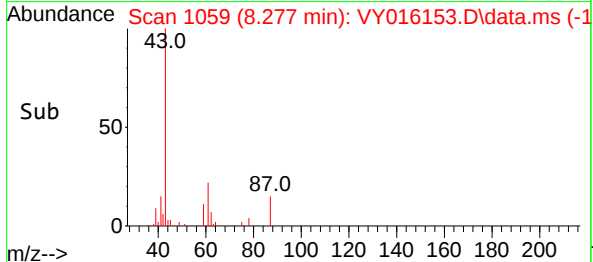
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
61 21.5 21.1 31.7
87 15.9 9.8 14.8

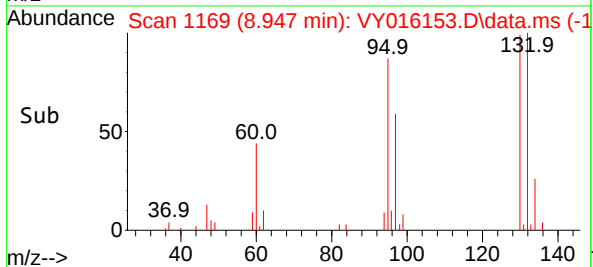
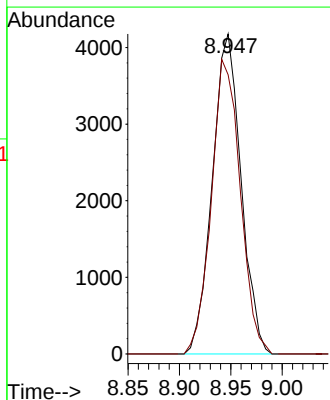
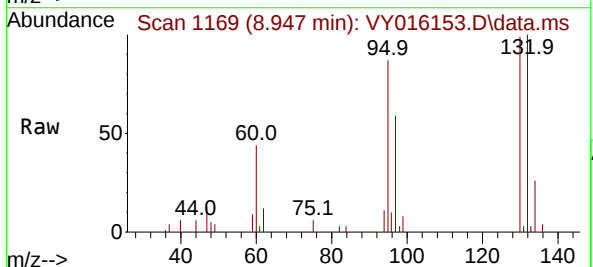
Manual Integrations
APPROVED

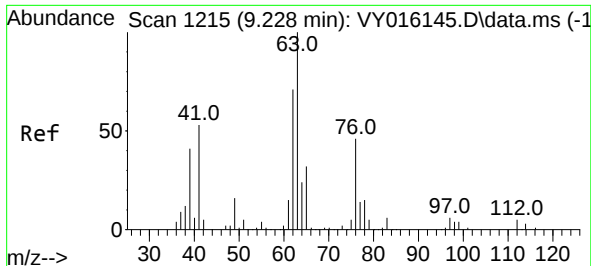
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#44
Trichloroethene
Concen: 4.105 ug/l
RT: 8.947 min Scan# 1169
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:130 Resp: 8113
Ion Ratio Lower Upper
130 100
95 87.2 0.0 196.0





#45

1,2-Dichloropropane

Concen: 4.067 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. -0.012 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 63 Resp: 6608

Ion Ratio Lower Upper

63 100

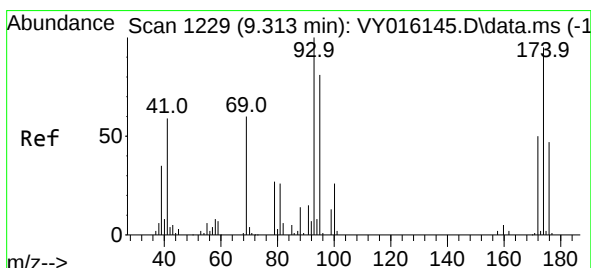
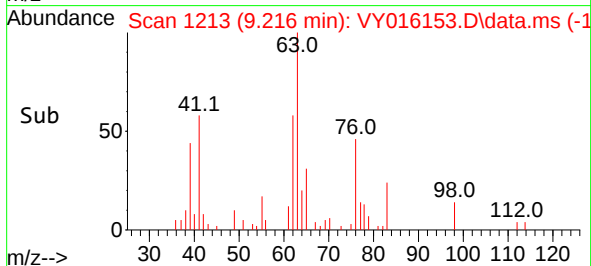
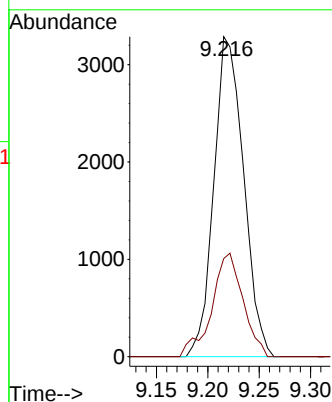
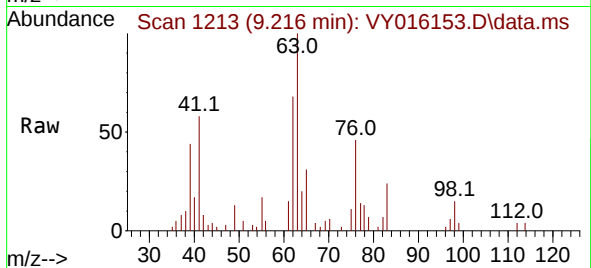
65 30.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#46

Dibromomethane

Concen: 4.159 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

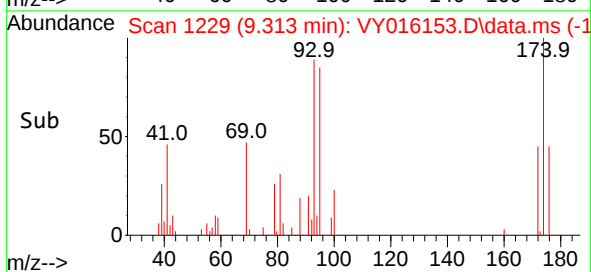
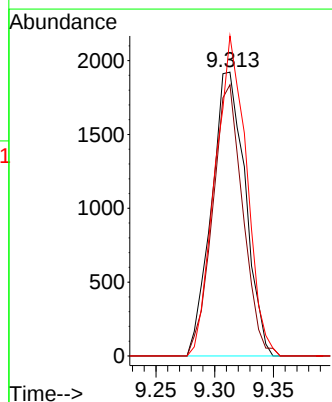
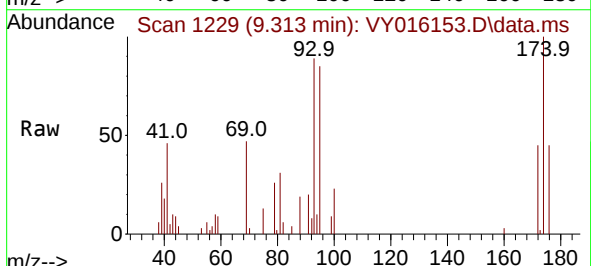
Tgt Ion: 93 Resp: 3833

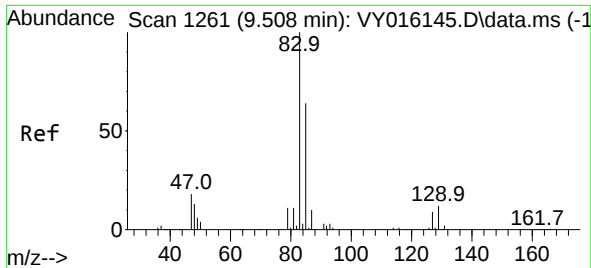
Ion Ratio Lower Upper

93 100

95 85.7 66.6 100.0

174 105.3 84.8 127.2





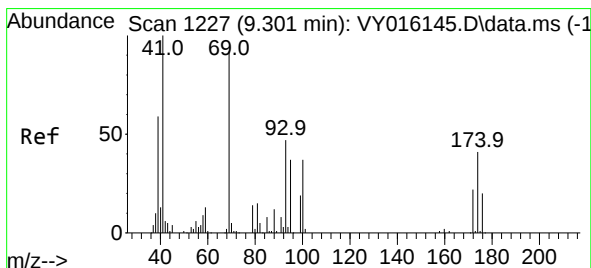
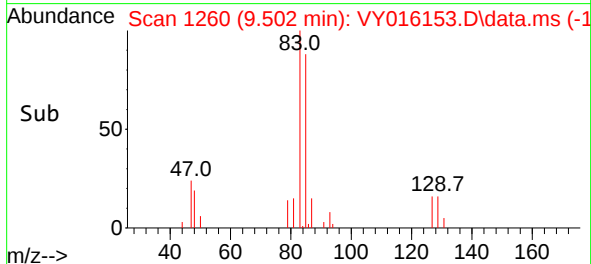
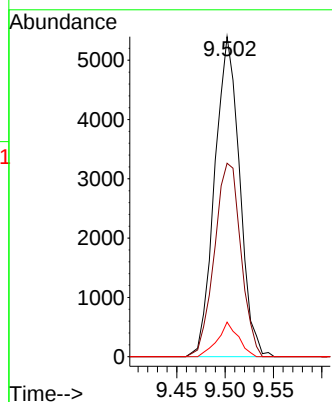
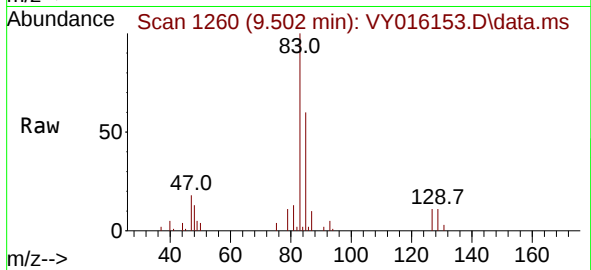
#47
Bromodichloromethane
Concen: 4.119 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 83 Resp: 964
Ion Ratio Lower Upper
83 100
85 60.4 50.1 75.1
127 10.8 7.1 10.7

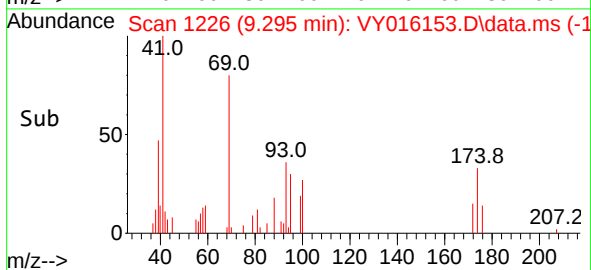
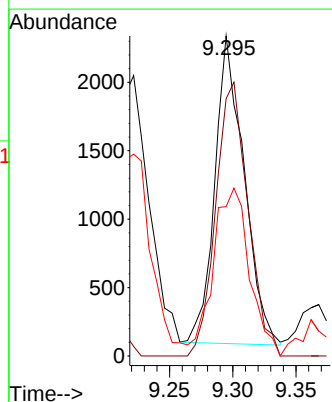
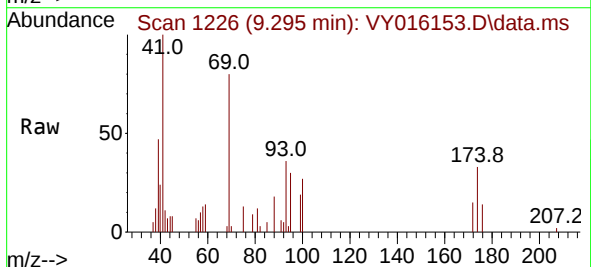
Manual Integrations
APPROVED

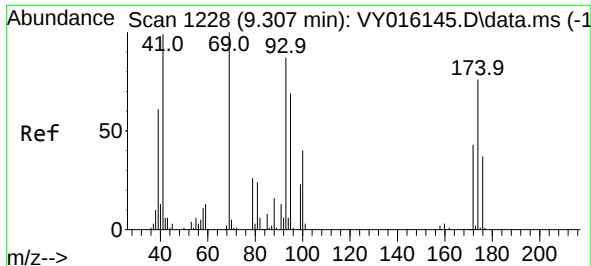
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#48
Methyl methacrylate
Concen: 3.835 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

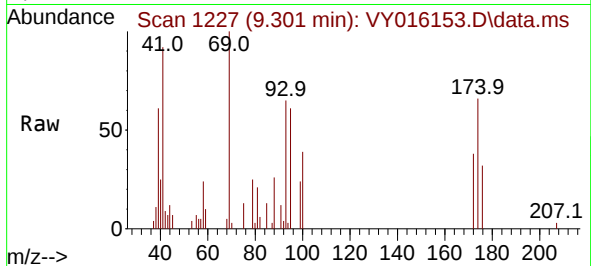
Tgt Ion: 41 Resp: 3614
Ion Ratio Lower Upper
41 100
69 98.2 64.5 96.7
39 67.5 50.8 76.2





#49
1,4-Dioxane
Concen: 23.353 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

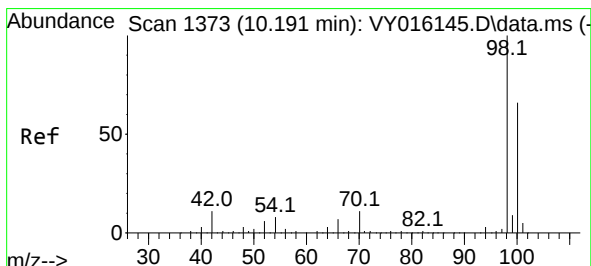
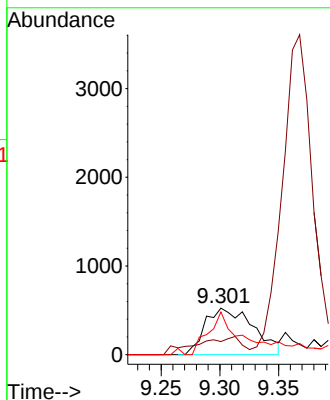
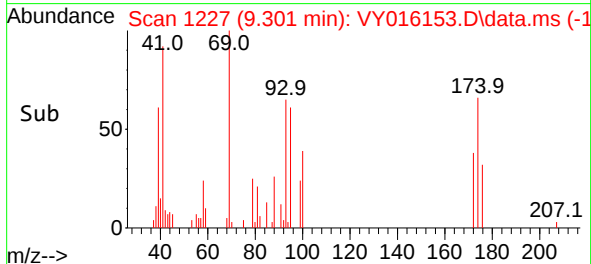
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 88 Resp: 149
Ion Ratio Lower Upper
88 100
43 36.8 0.0 0.0
58 79.1 30.9 46.3

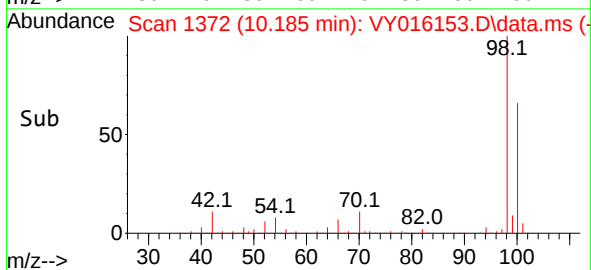
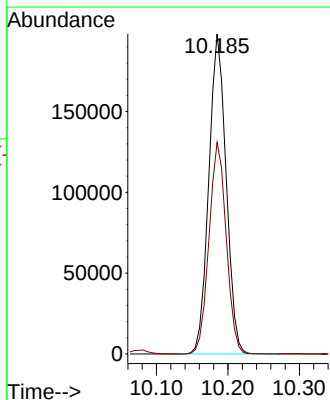
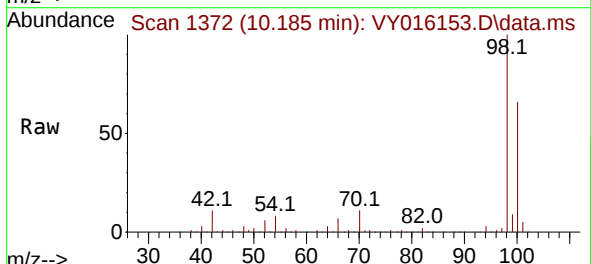
Manual Integrations
APPROVED

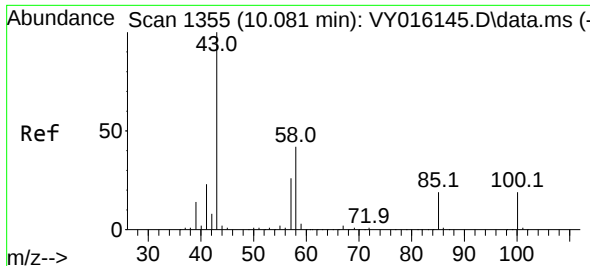
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#50
Toluene-d8
Concen: 51.574 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 98 Resp: 333109
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1





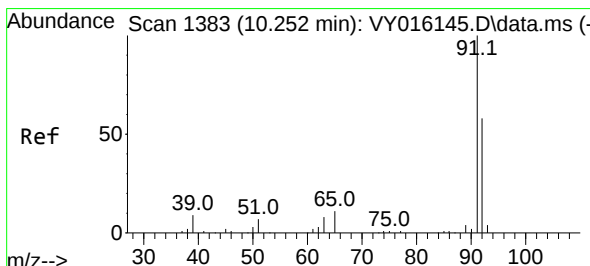
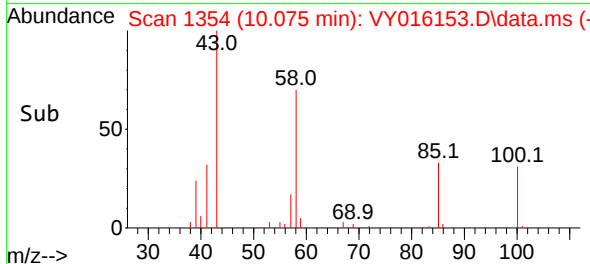
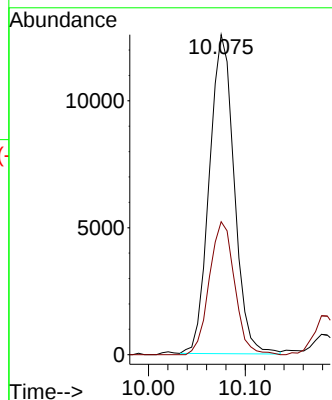
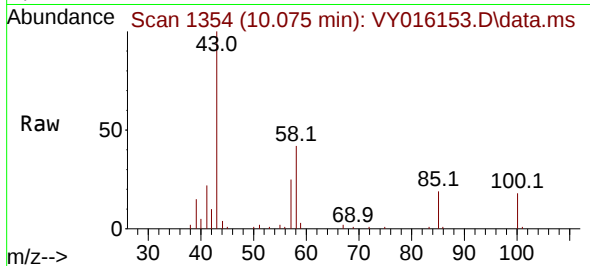
#51
4-Methyl-2-Pentanone
Concen: 21.726 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 42.3 29.0 43.6

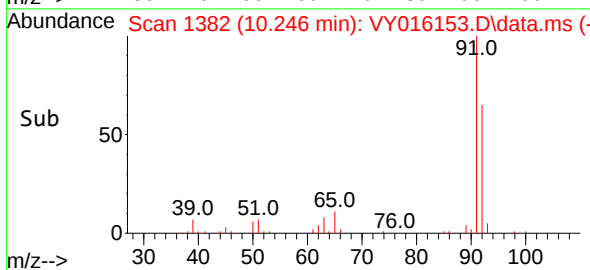
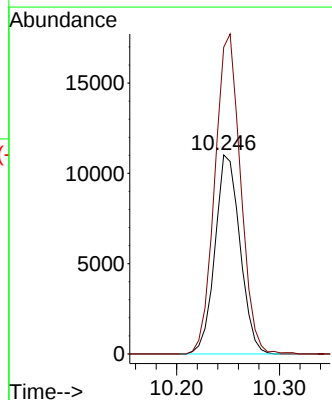
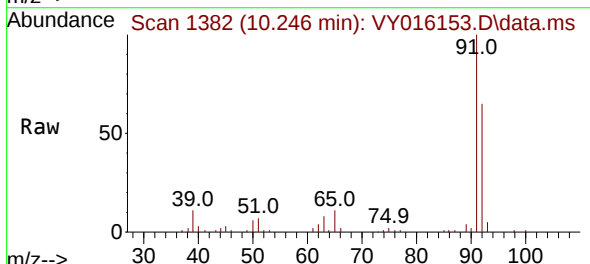
Manual Integrations
APPROVED

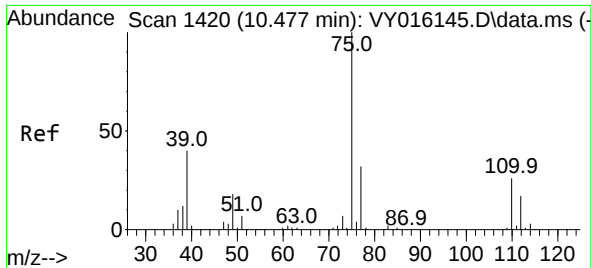
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#52
Toluene
Concen: 4.248 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

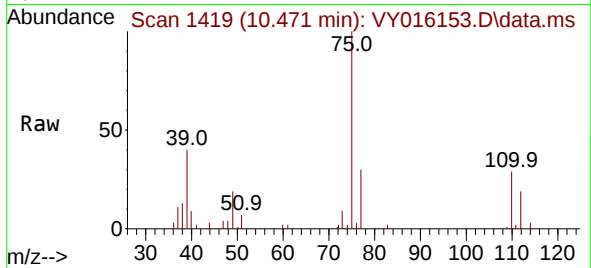
Tgt Ion: 92 Resp: 18591
Ion Ratio Lower Upper
92 100
91 165.5 143.8 215.6





#53
 t-1,3-Dichloropropene
 Concen: 4.053 ug/l
 RT: 10.471 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

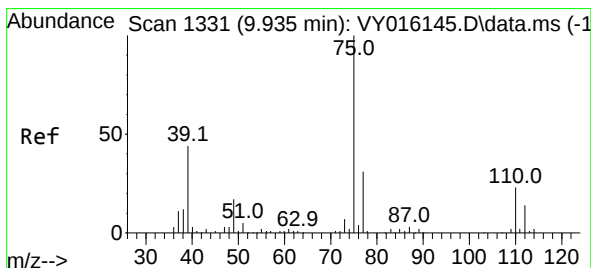
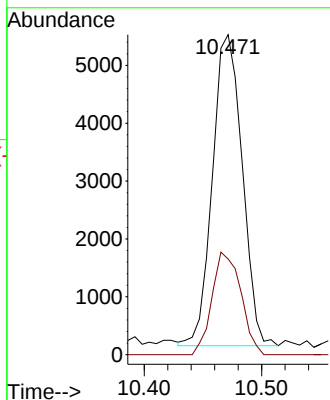
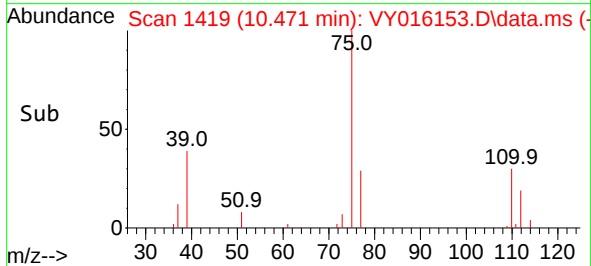
Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 75 Resp: 9475
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.0 37.4

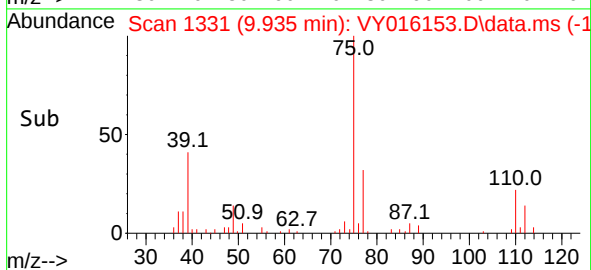
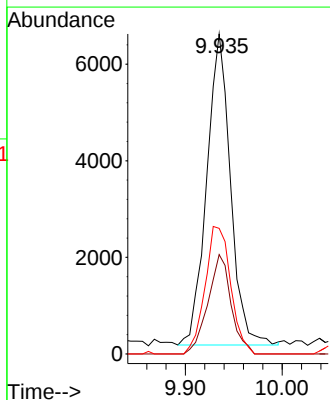
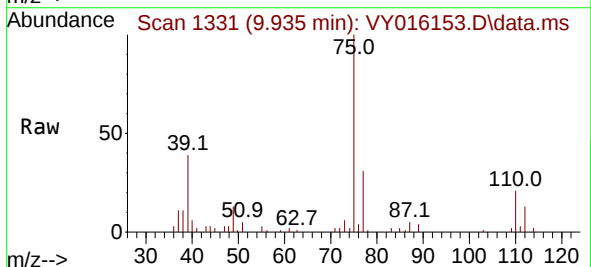
Manual Integrations
 APPROVED

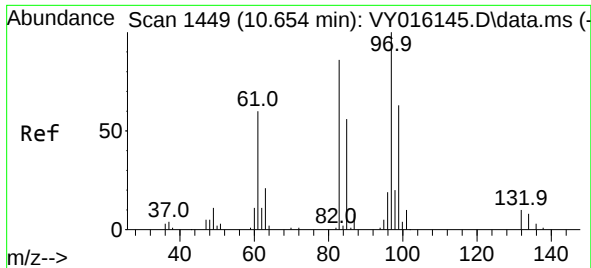
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#54
 cis-1,3-Dichloropropene
 Concen: 4.016 ug/l
 RT: 9.935 min Scan# 1331
 Delta R.T. -0.000 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

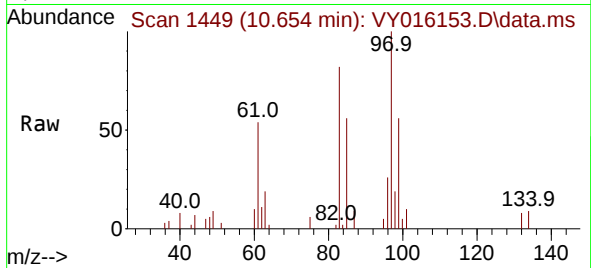
Tgt Ion: 75 Resp: 11015
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.2 36.4
 39 40.4 42.2 63.4#





#55
1,1,2-Trichloroethane
Concen: 4.347 ug/l
RT: 10.654 min Scan# 1449
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

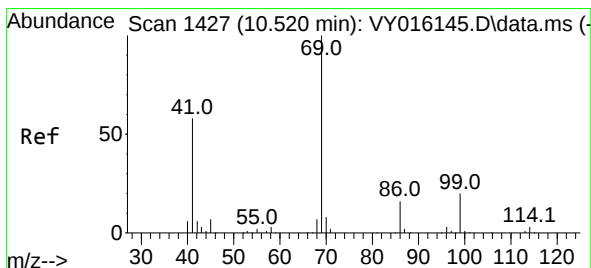
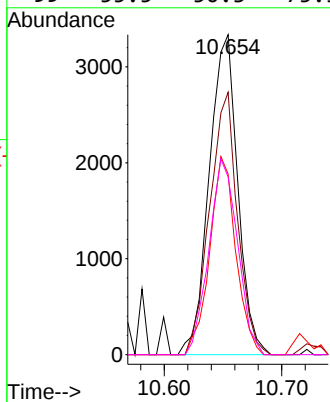
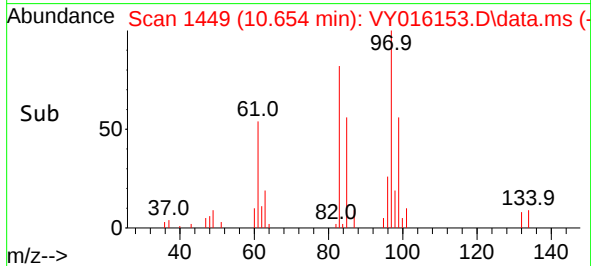
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



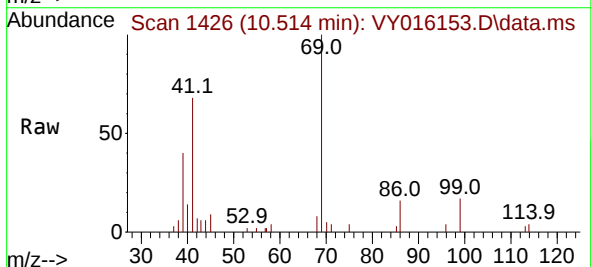
Tgt Ion: 97 Resp: 563
Ion Ratio Lower Upper
97 100
83 82.0 72.0 108.0
85 56.4 45.4 68.0
99 55.5 50.3 75.5

Manual Integrations
APPROVED

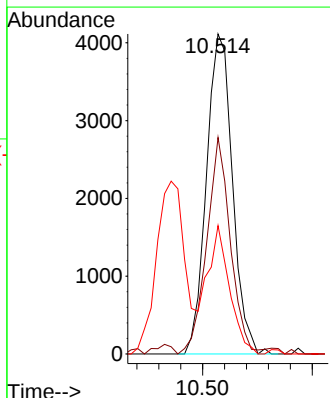
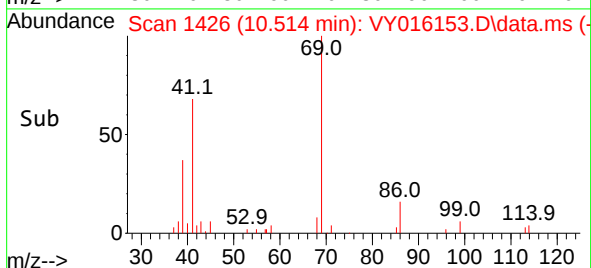
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

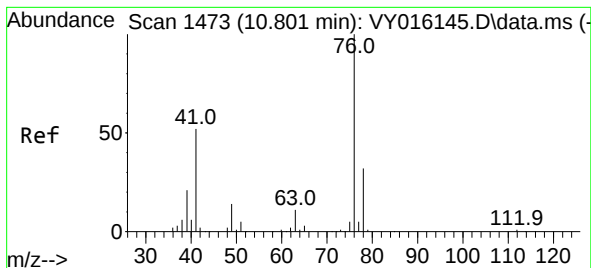


#56
Ethyl methacrylate
Concen: 4.028 ug/l
RT: 10.514 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



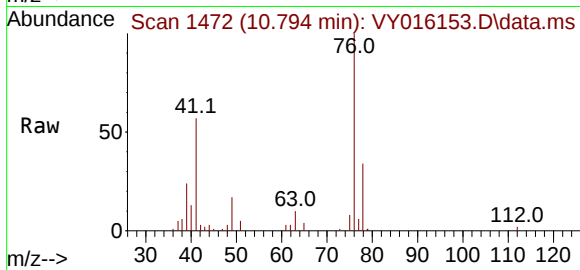
Tgt Ion: 69 Resp: 6782
Ion Ratio Lower Upper
69 100
41 61.4 57.6 86.4
39 33.9 34.1 51.1#





#57
1,3-Dichloropropane
Concen: 4.097 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

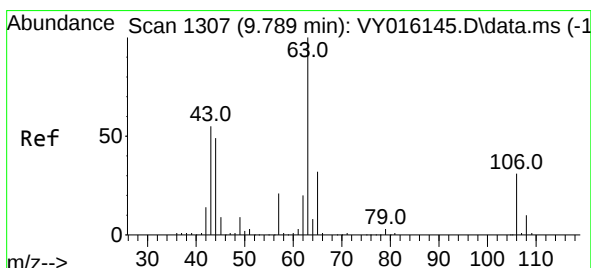
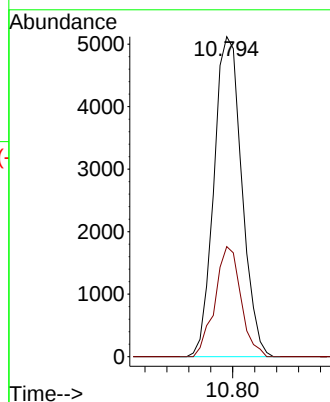
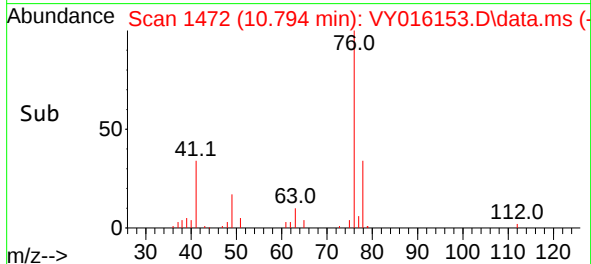
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 76 Resp: 904
Ion Ratio Lower Upper
76 100
78 32.0 25.3 37.9

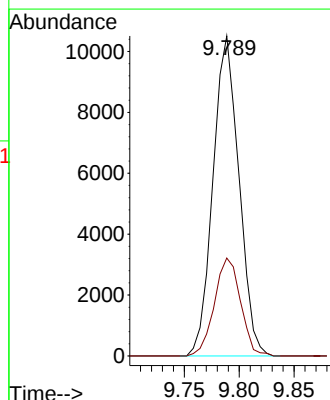
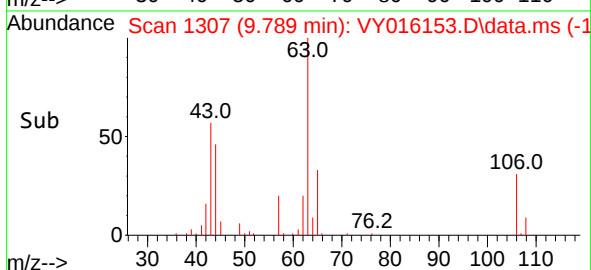
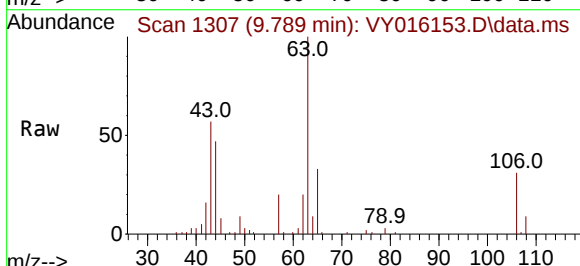
Manual Integrations
APPROVED

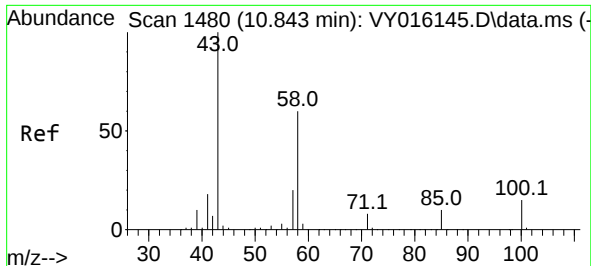
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#58
2-Chloroethyl Vinyl ether
Concen: 21.191 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

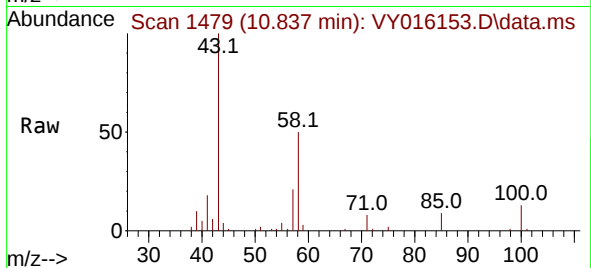
Tgt Ion: 63 Resp: 17300
Ion Ratio Lower Upper
63 100
106 30.8 21.2 31.8





#59
2-Hexanone
Concen: 21.360 ug/l
RT: 10.837 min Scan# 1480
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

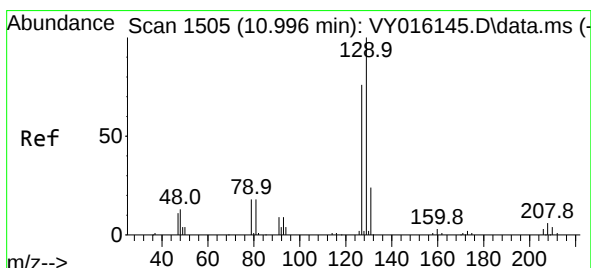
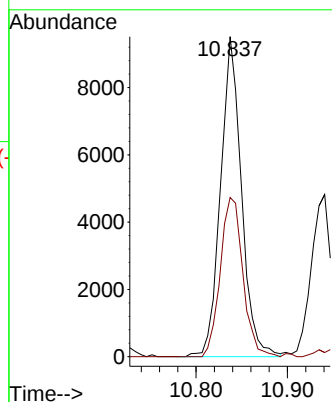
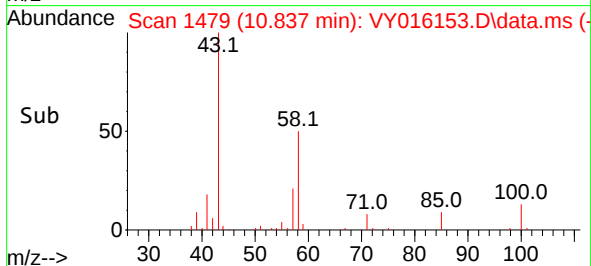
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion: 43 Resp: 15130
Ion Ratio Lower Upper
43 100
58 53.7 25.1 75.3

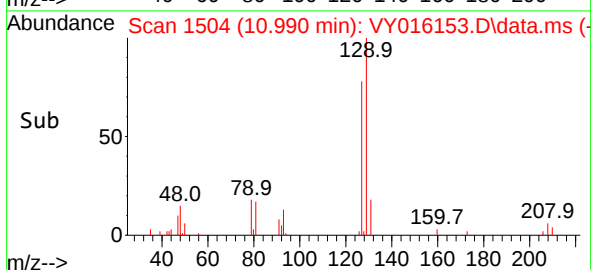
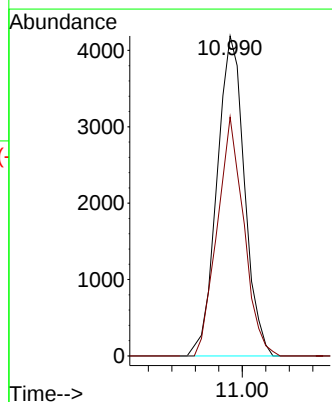
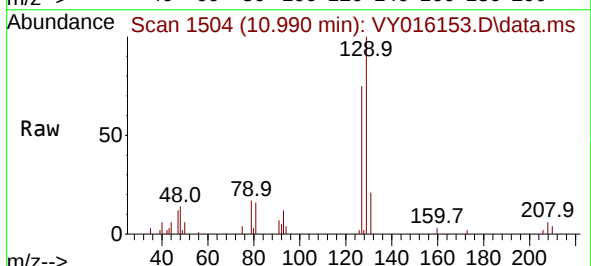
Manual Integrations
APPROVED

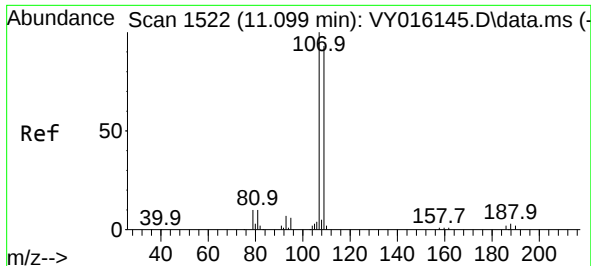
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#60
Dibromochloromethane
Concen: 4.189 ug/l
RT: 10.990 min Scan# 1504
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

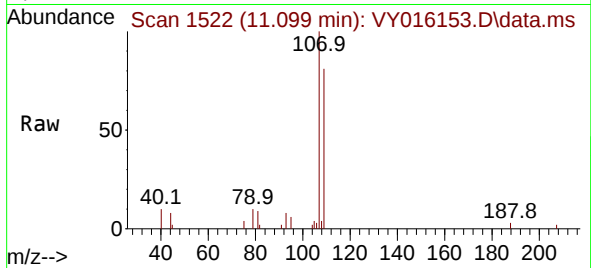
Tgt Ion:129 Resp: 6812
Ion Ratio Lower Upper
129 100
127 72.4 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.487 ug/l
RT: 11.099 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

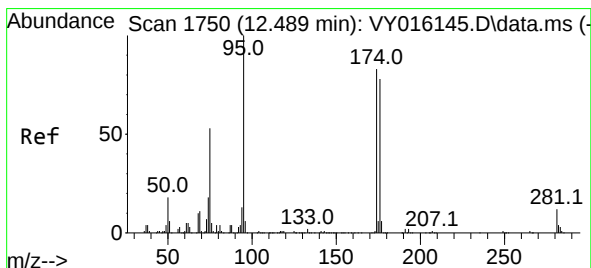
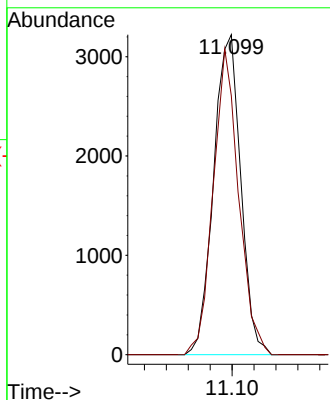
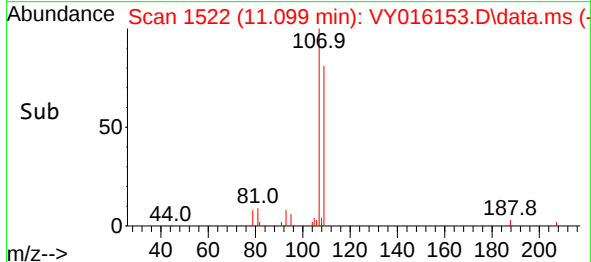
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



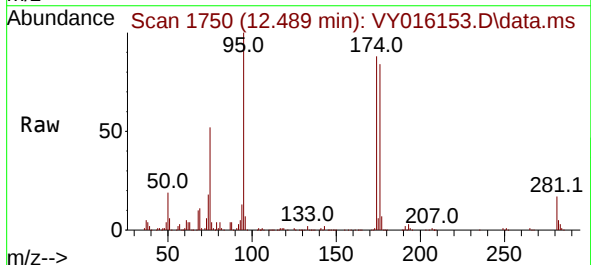
Tgt Ion:107 Resp: 553
Ion Ratio Lower Upper
107 100
109 90.0 75.6 113.4

Manual Integrations
APPROVED

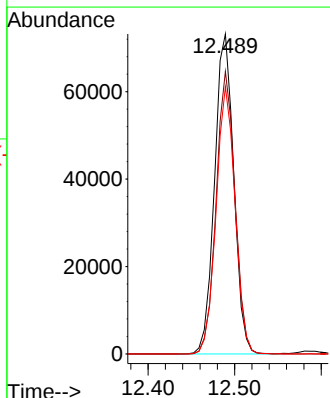
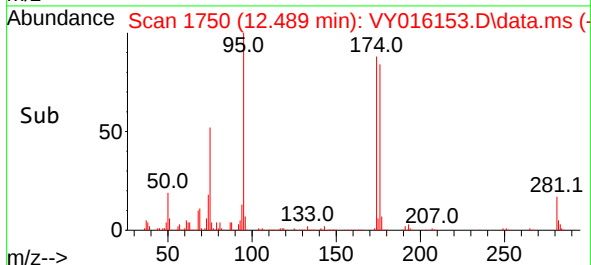
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

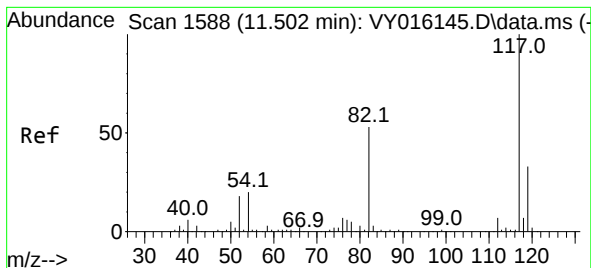


#62
4-Bromofluorobenzene
Concen: 51.006 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



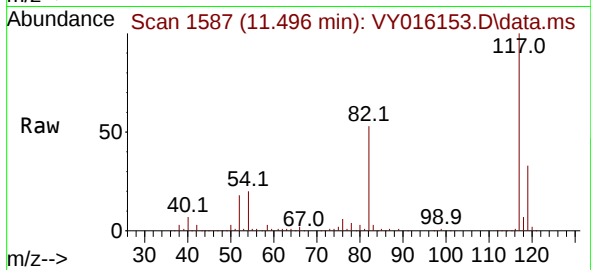
Tgt Ion: 95 Resp: 112650
Ion Ratio Lower Upper
95 100
174 86.6 0.0 178.2
176 82.3 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1149
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

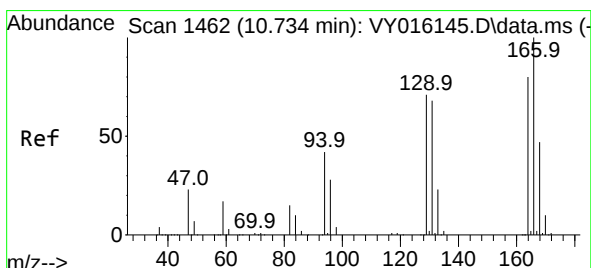
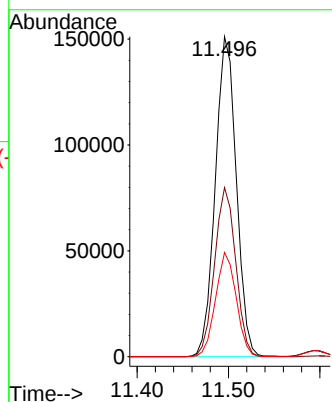
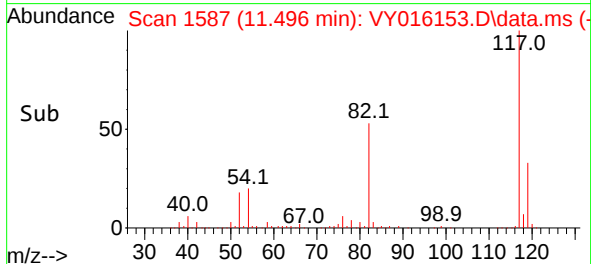
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



Tgt Ion:117 Resp: 24216
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 32.5 26.3 39.5

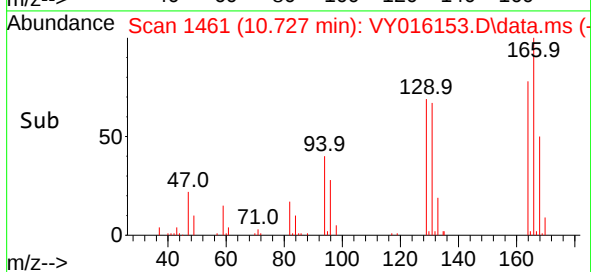
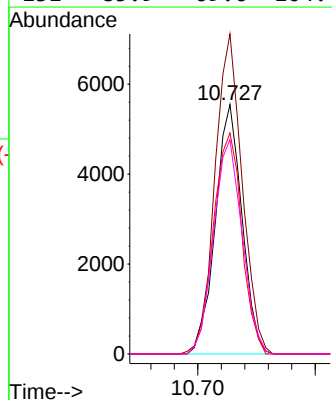
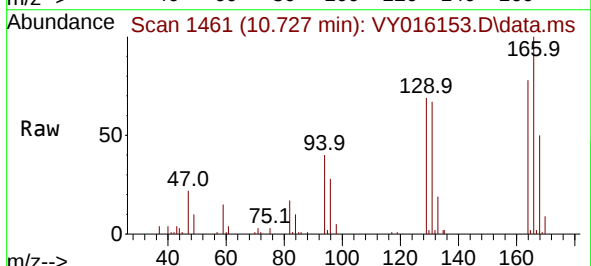
Manual Integrations
APPROVED

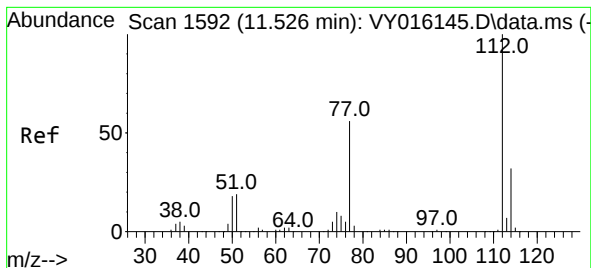
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#64
Tetrachloroethene
Concen: 4.050 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:164 Resp: 8724
Ion Ratio Lower Upper
164 100
166 128.3 103.0 154.6
129 88.6 77.2 115.8
131 85.9 69.6 104.4





#65

Chlorobenzene

Concen: 4.108 ug/l

RT: 11.520 min Scan# 1152

Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:112 Resp: 1976

Ion Ratio Lower Upper

112 100

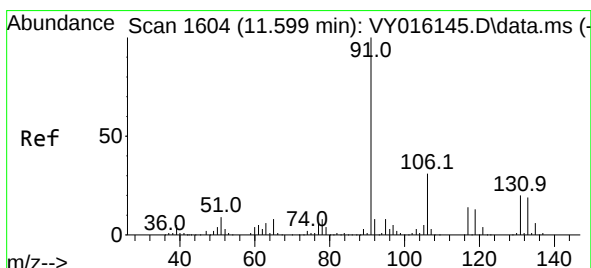
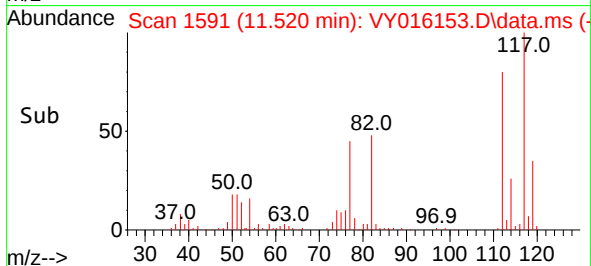
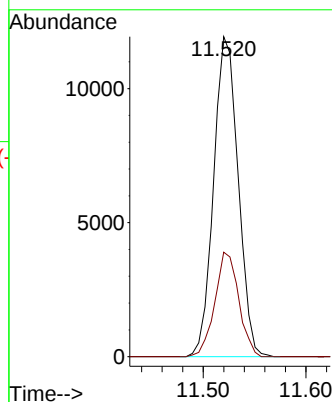
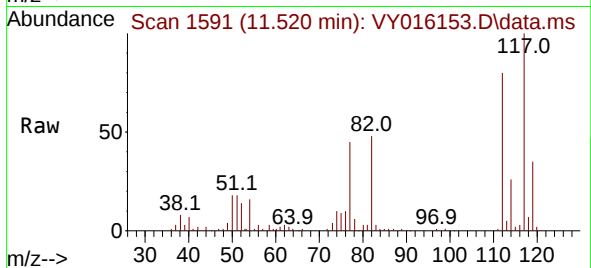
114 32.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 4.118 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

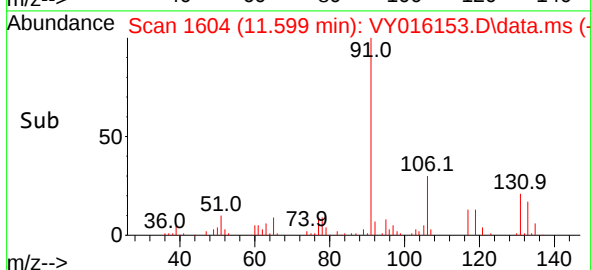
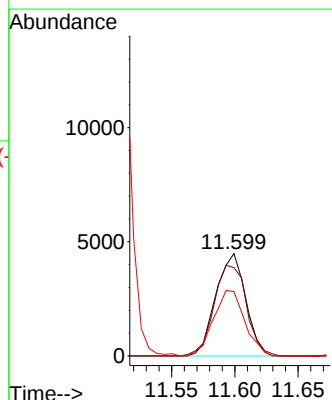
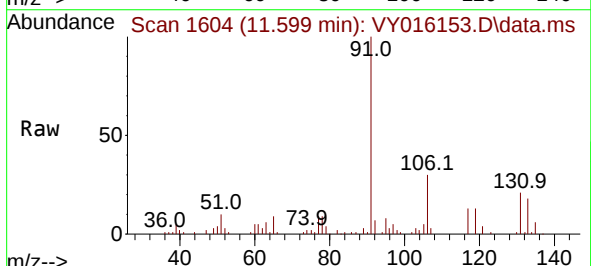
Tgt Ion:131 Resp: 7338

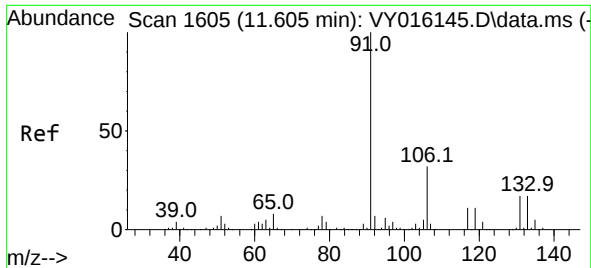
Ion Ratio Lower Upper

131 100

133 96.7 47.5 142.6

119 67.3 31.6 94.7





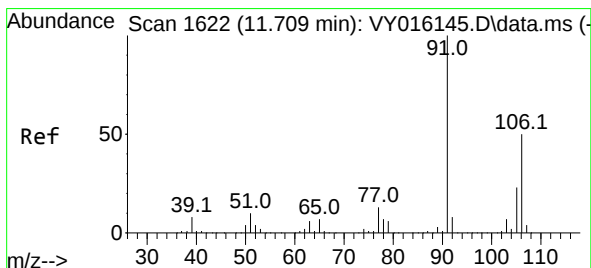
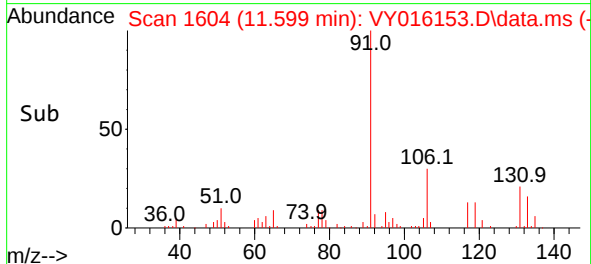
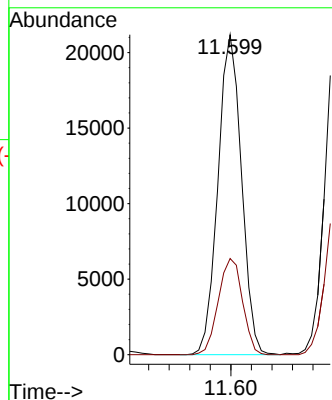
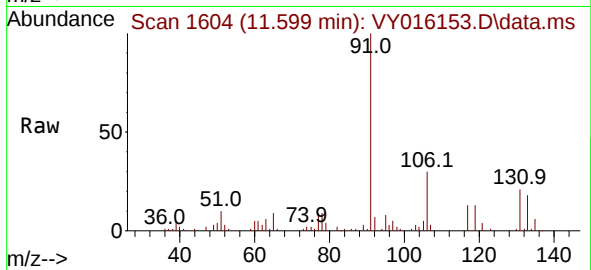
#67
Ethyl Benzene
Concen: 3.906 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 91 Resp: 3361
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

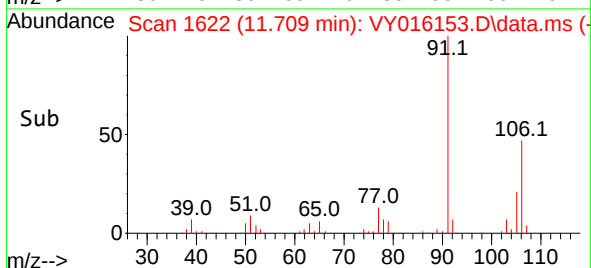
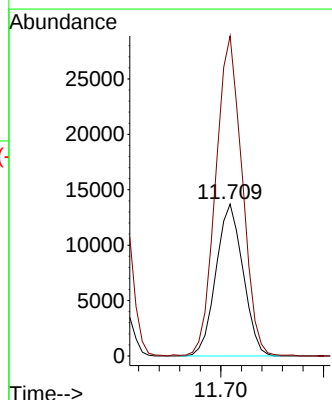
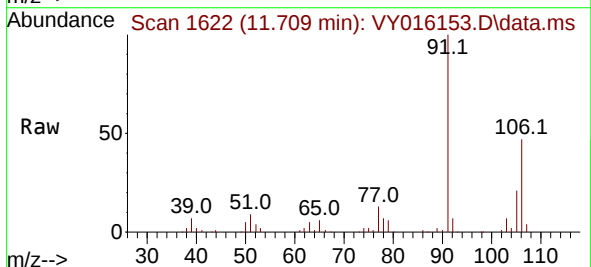
Manual Integrations
APPROVED

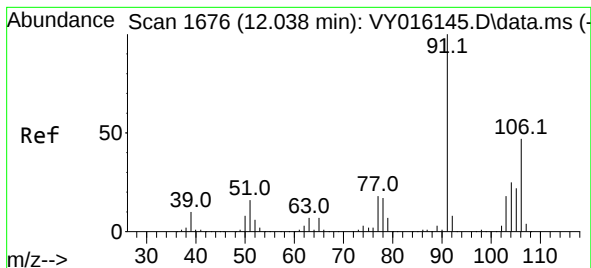
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#68
m/p-Xylenes
Concen: 7.516 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:106 Resp: 24994
Ion Ratio Lower Upper
106 100
91 206.9 166.1 249.1





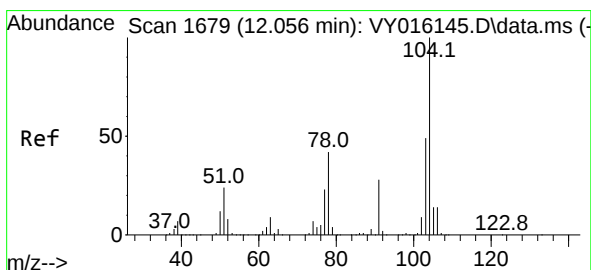
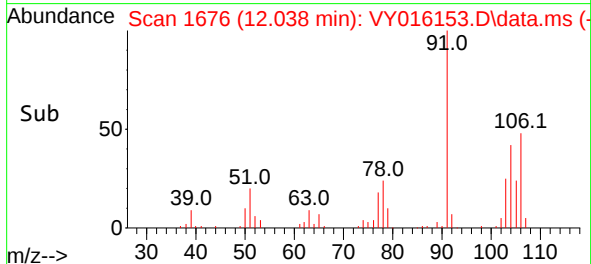
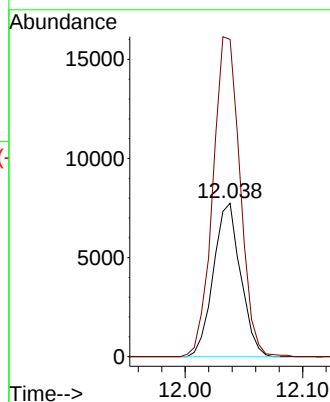
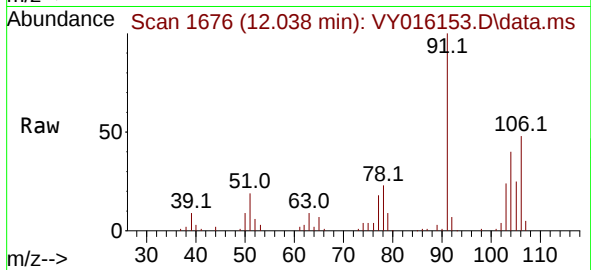
#69
o-Xylene
Concen: 3.919 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:106 Resp: 1244
Ion Ratio Lower Upper
106 100
91 208.5 108.1 324.3

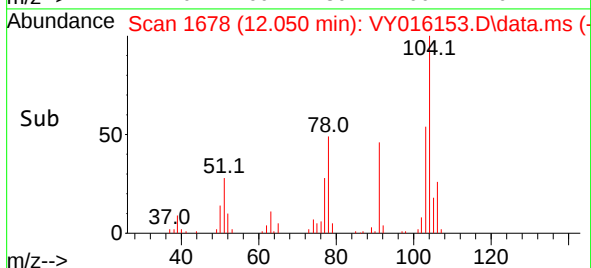
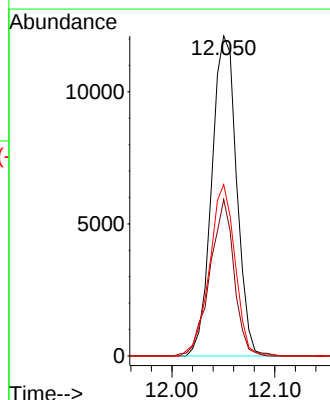
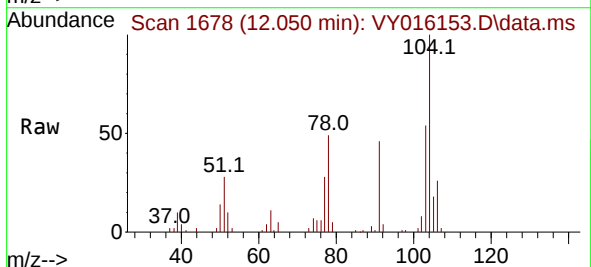
Manual Integrations
APPROVED

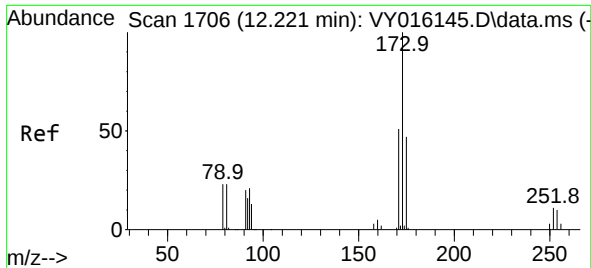
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#70
Styrene
Concen: 3.852 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

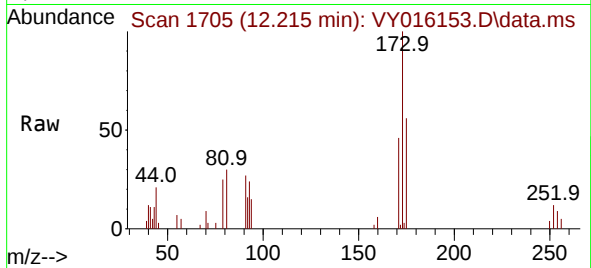
Tgt Ion:104 Resp: 20333
Ion Ratio Lower Upper
104 100
78 47.3 41.5 62.3
103 55.0 44.6 67.0





#71
Bromoform
Concen: 3.929 ug/l
RT: 12.215 min Scan# 1706
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

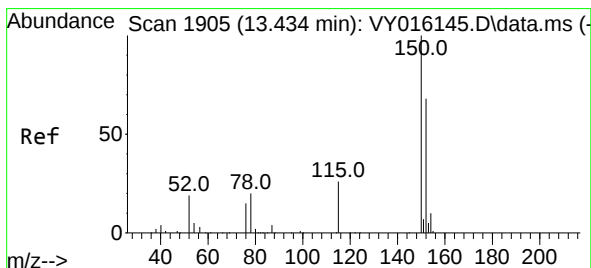
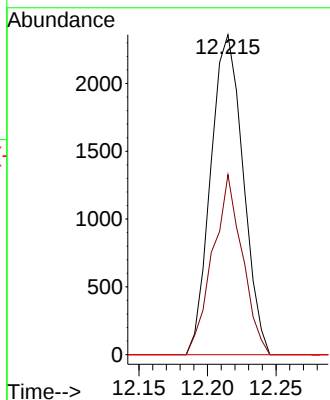
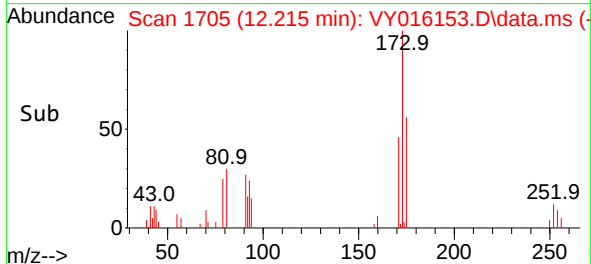
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



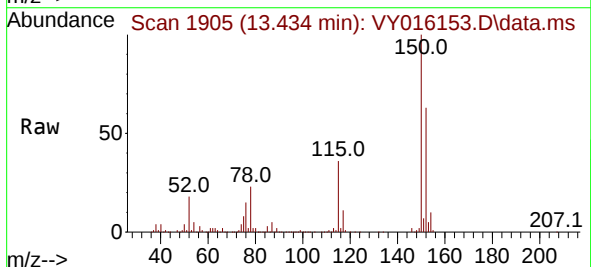
Tgt Ion:173 Resp: 3884
Ion Ratio Lower Upper
173 100
175 51.4 24.6 73.8
254 0.0 0.2 0.2

Manual Integrations
APPROVED

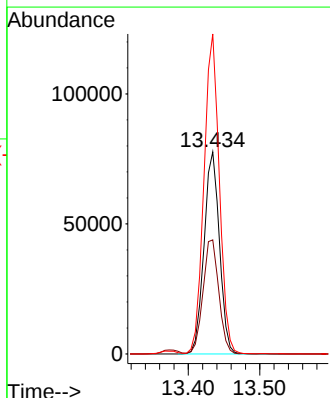
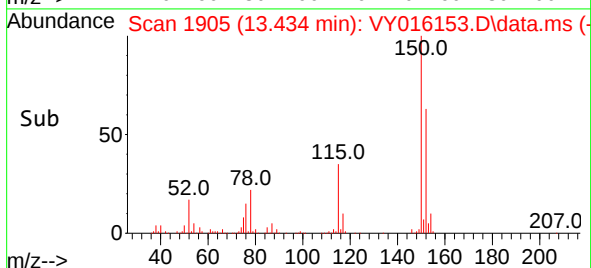
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

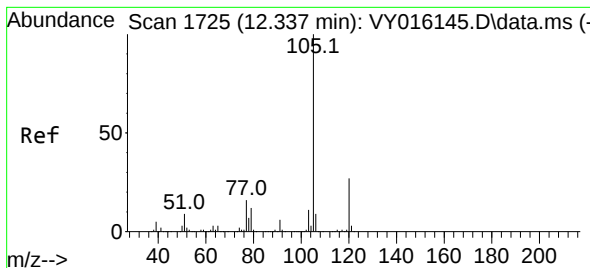


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



Tgt Ion:152 Resp: 116211
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 157.7 0.0 348.8





#73

Isopropylbenzene

Concen: 3.685 ug/l

RT: 12.337 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

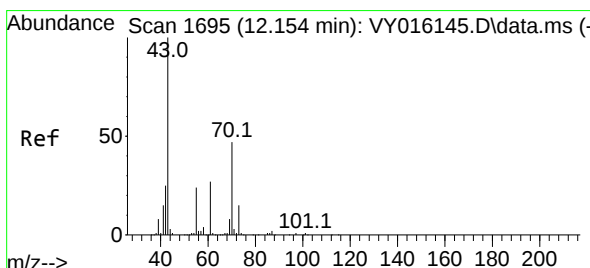
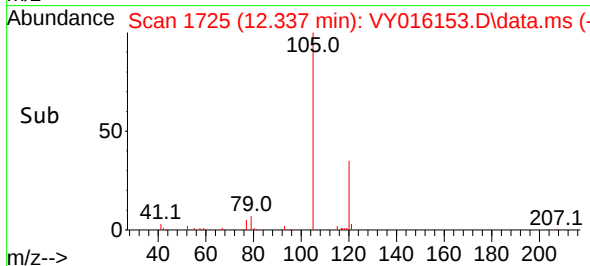
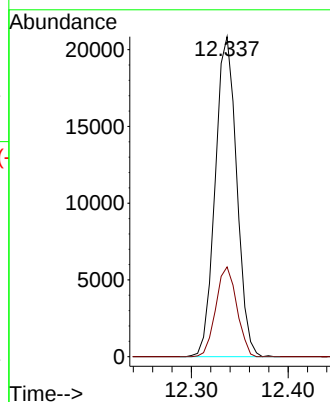
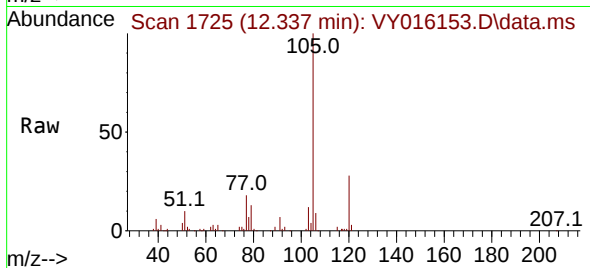
Tgt Ion:105 Resp: 3212
 Ion Ratio Lower Upper
 105 100
 120 27.4 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#74

N-ethyl acetate

Concen: 3.861 ug/l

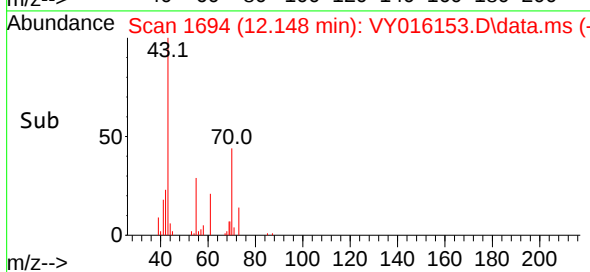
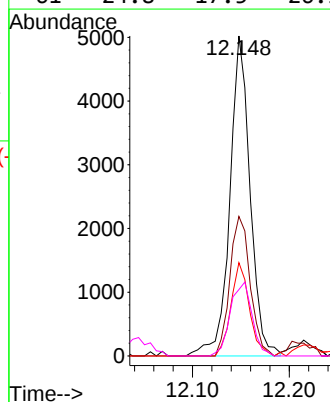
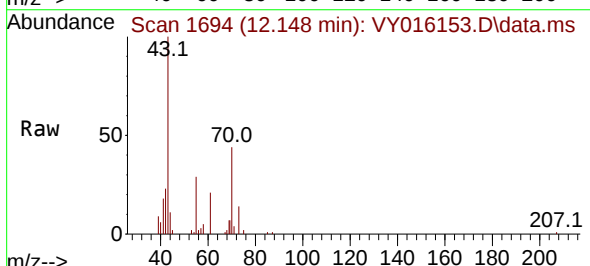
RT: 12.148 min Scan# 1694

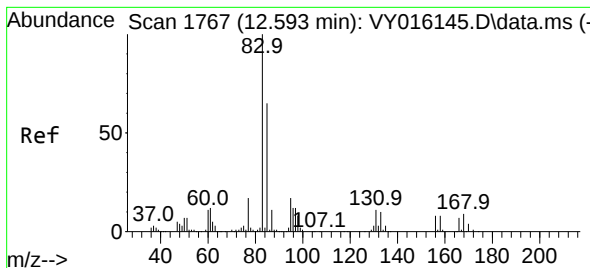
Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Tgt Ion: 43 Resp: 7314
 Ion Ratio Lower Upper
 43 100
 70 43.7 29.7 44.5
 55 26.6 18.3 27.5
 61 24.8 17.5 26.3





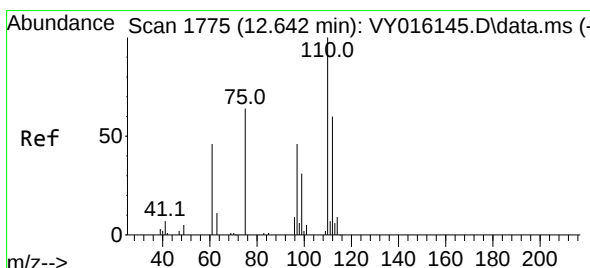
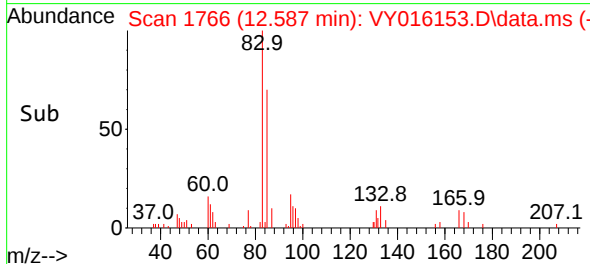
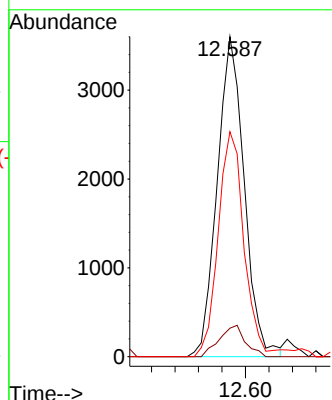
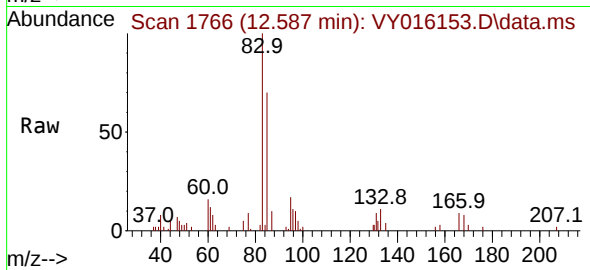
#75
1,1,2,2-Tetrachloroethane
Concen: 4.151 ug/l
RT: 12.587 min Scan# 1766
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 83 Resp: 5758
Ion Ratio Lower Upper
83 100
131 9.4 5.4 16.2
85 66.6 31.8 95.4

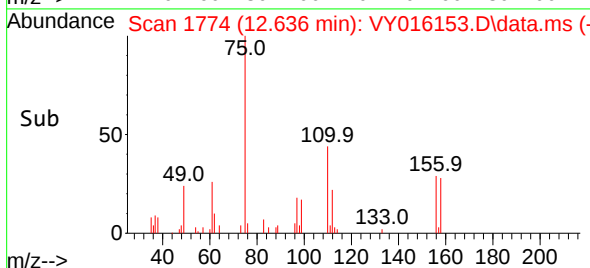
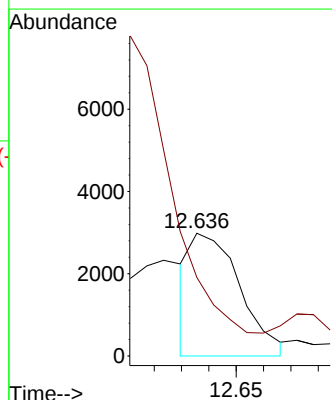
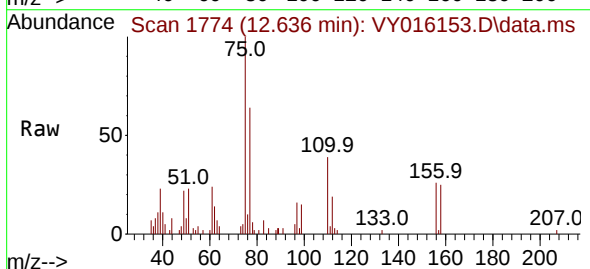
Manual Integrations
APPROVED

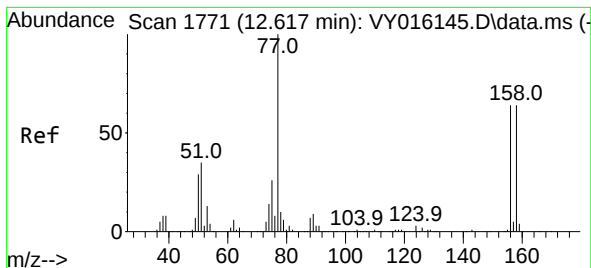
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#76
1,2,3-Trichloropropane
Concen: 3.449 ug/l m
RT: 12.636 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 75 Resp: 3774
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.085 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

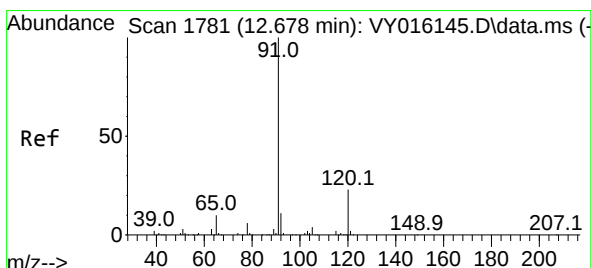
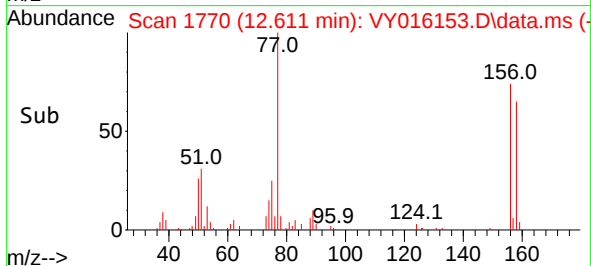
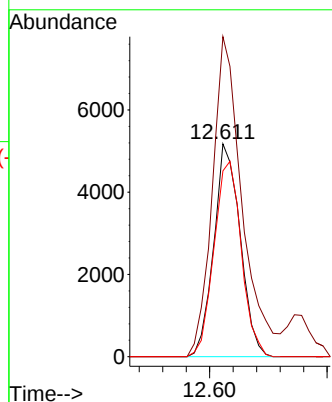
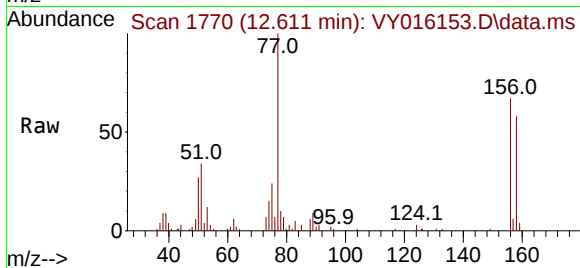
Tgt Ion:	156	Resp:	8064
Ion Ratio	Lower	Upper	
156	100		
77	170.3	92.8	278.6
158	95.2	48.4	145.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#78

n-propylbenzene

Concen: 3.785 ug/l

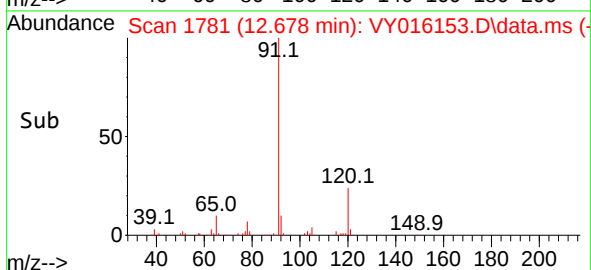
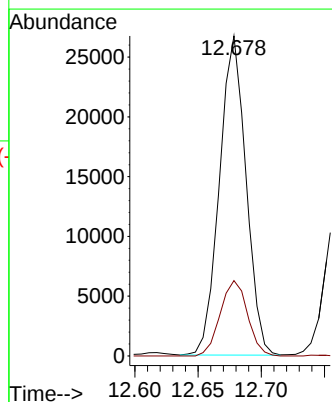
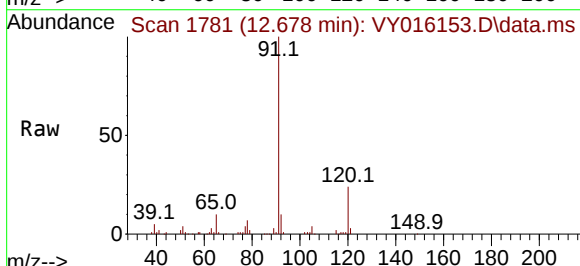
RT: 12.678 min Scan# 1781

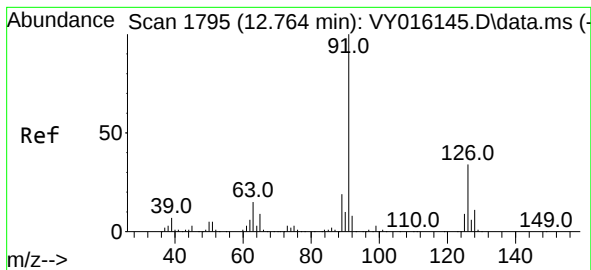
Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Tgt Ion:	91	Resp:	39006
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.5	34.4





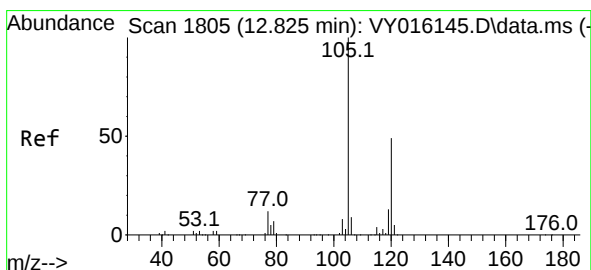
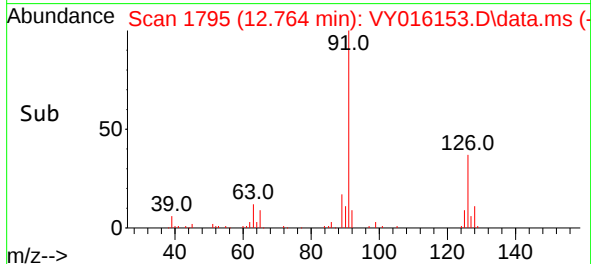
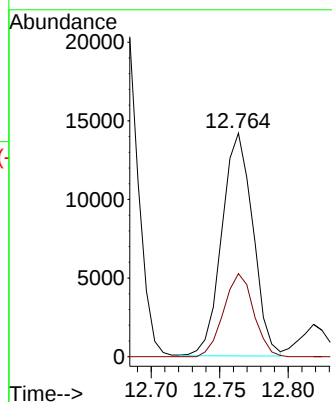
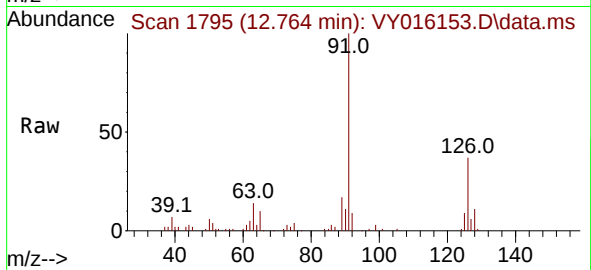
#79
2-Chlorotoluene
Concen: 3.893 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 91 Resp: 22378
Ion Ratio Lower Upper
91 100
126 36.0 17.3 51.7

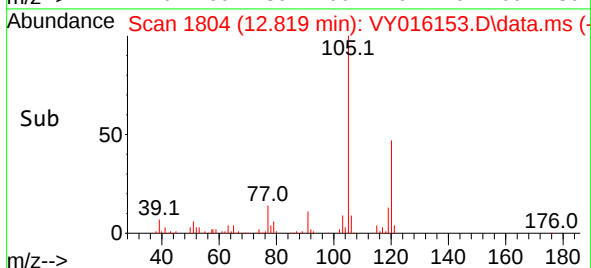
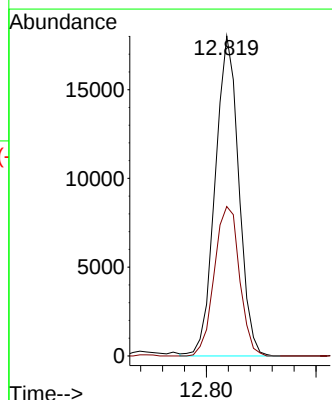
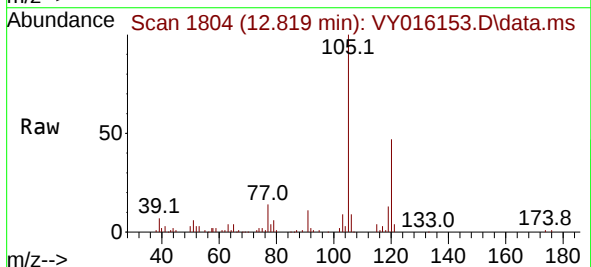
Manual Integrations
APPROVED

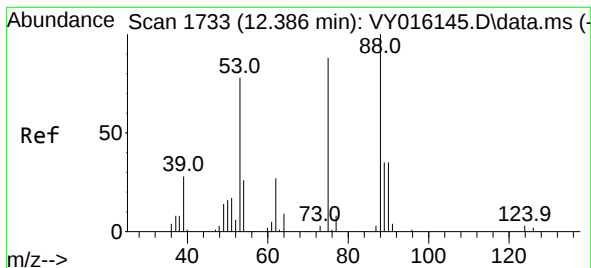
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#80
1,3,5-Trimethylbenzene
Concen: 3.817 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

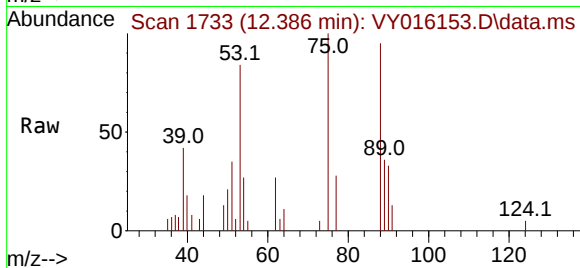
Tgt Ion:105 Resp: 26958
Ion Ratio Lower Upper
105 100
120 49.8 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.089 ug/l
RT: 12.386 min Scan# 1733
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

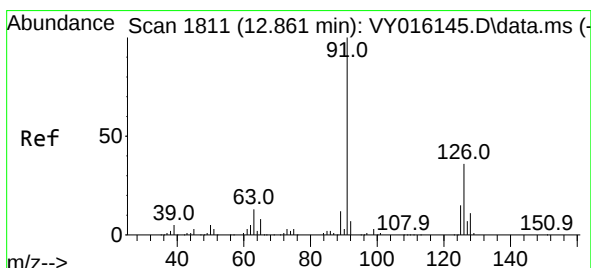
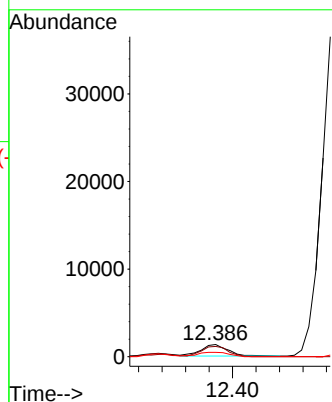
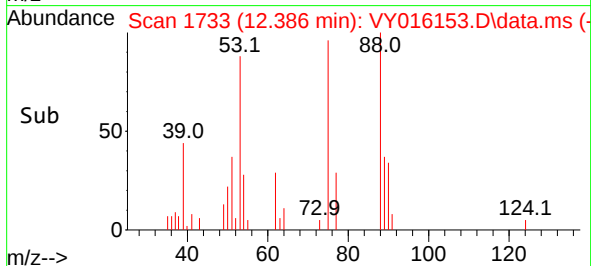
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB



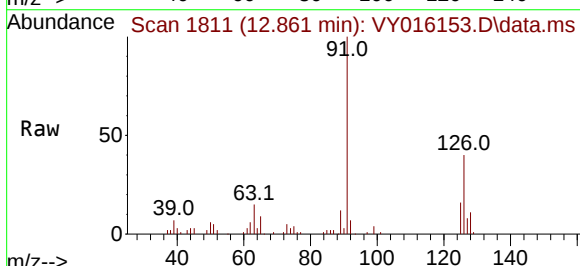
Tgt Ion: 75 Resp: 2064
Ion Ratio Lower Upper
75 100
53 89.8 77.8 116.8
89 45.5 37.4 56.0

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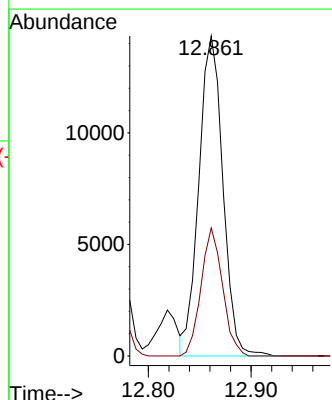
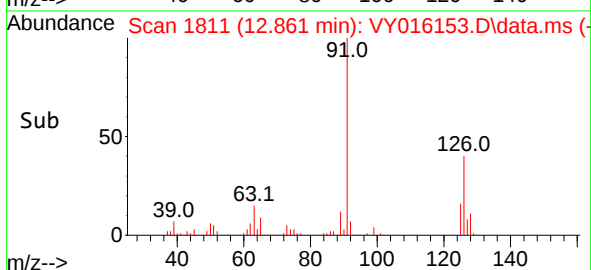
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023

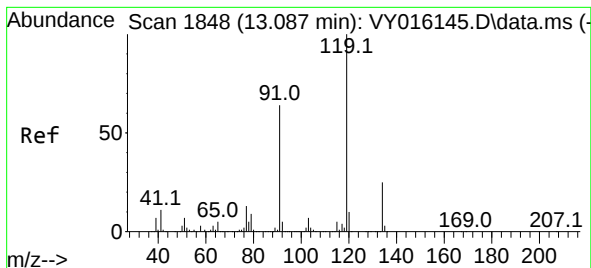


#82
4-Chlorotoluene
Concen: 3.955 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59



Tgt Ion: 91 Resp: 23342
Ion Ratio Lower Upper
91 100
126 35.8 17.2 51.6





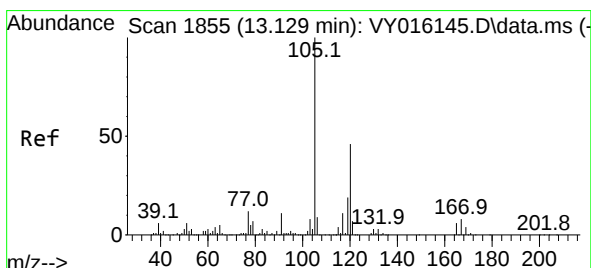
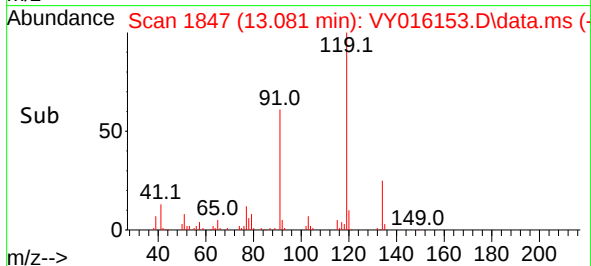
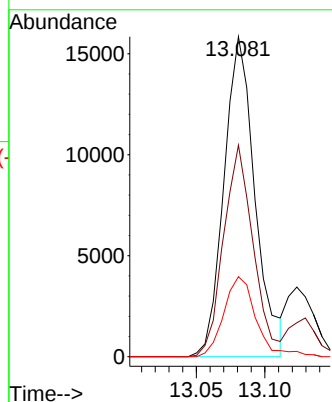
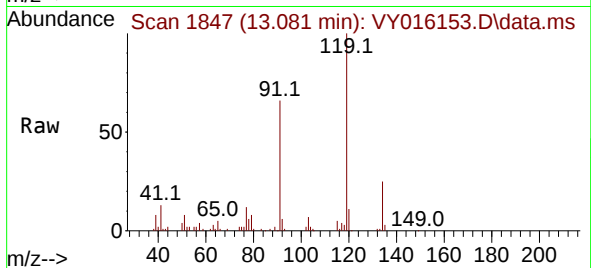
#83
tert-Butylbenzene
Concen: 3.944 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:119 Resp: 2492
Ion Ratio Lower Upper
119 100
91 63.3 32.9 98.6
134 26.0 13.0 38.9

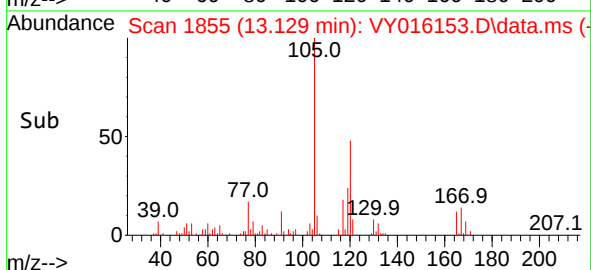
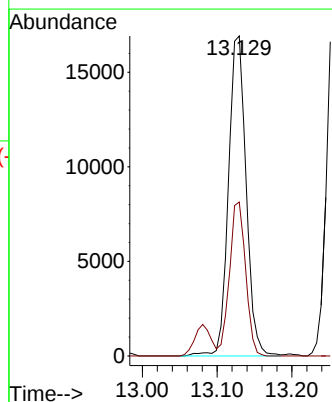
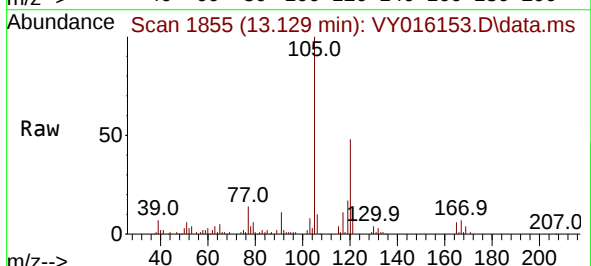
Manual Integrations
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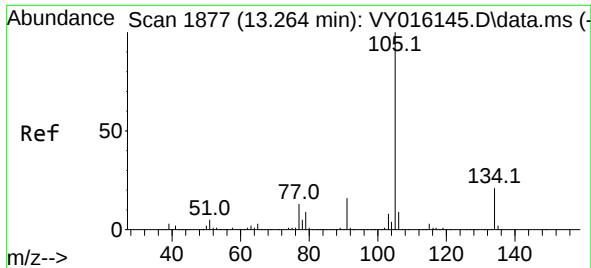
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#84
1,2,4-Trimethylbenzene
Concen: 3.980 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:105 Resp: 27813
Ion Ratio Lower Upper
105 100
120 44.0 22.2 66.6





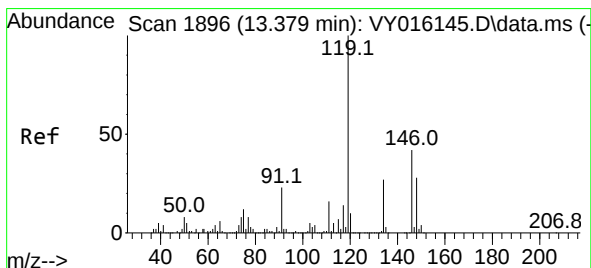
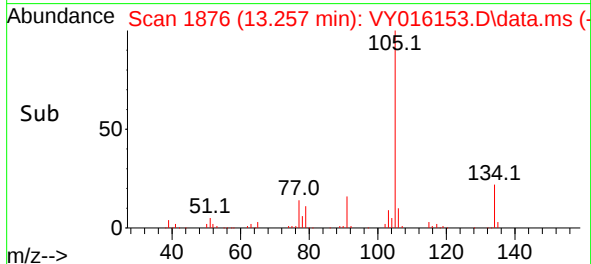
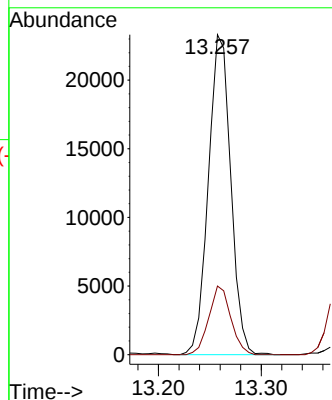
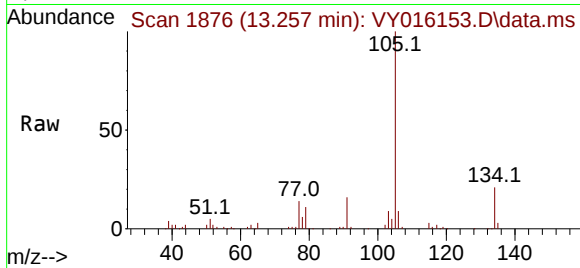
#85
 sec-Butylbenzene
 Concen: 3.801 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. -0.006 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:105 Resp: 3525
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.2 30.6

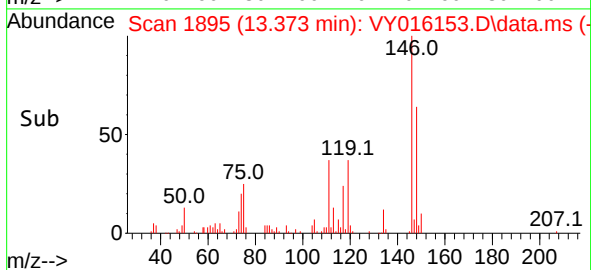
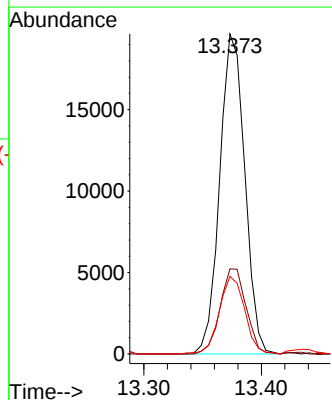
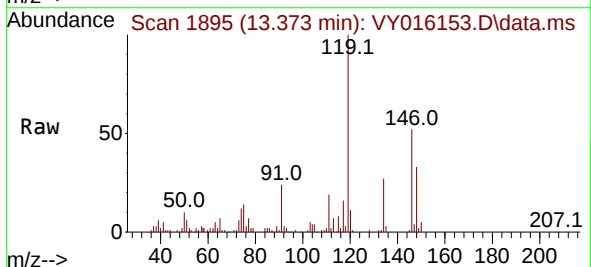
Manual Integrations
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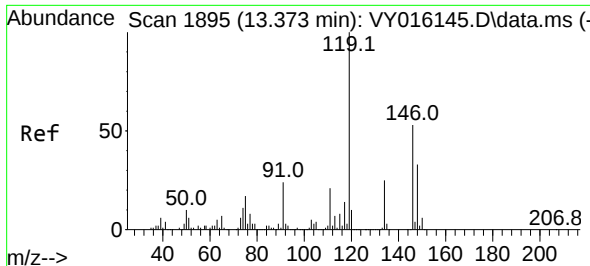
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/01/2023



#86
 p-Isopropyltoluene
 Concen: 3.790 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.006 min
 Lab File: VY016153.D
 Acq: 31 Oct 2023 17:59

Tgt Ion:119 Resp: 29132
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.3 39.8
 91 24.6 12.4 37.4





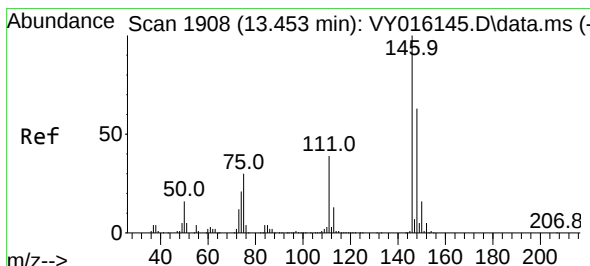
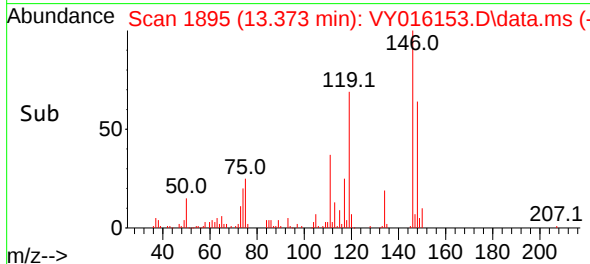
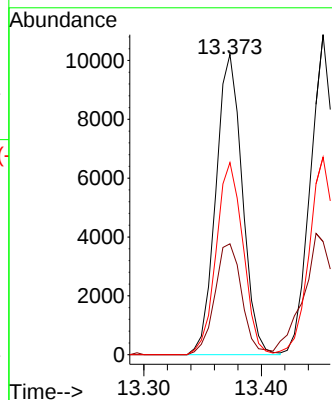
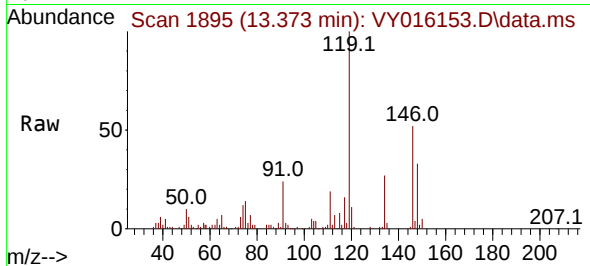
#87
1,3-Dichlorobenzene
Concen: 4.094 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:146 Resp: 15984
Ion Ratio Lower Upper
146 100
111 38.0 19.4 58.2
148 65.0 31.9 95.5

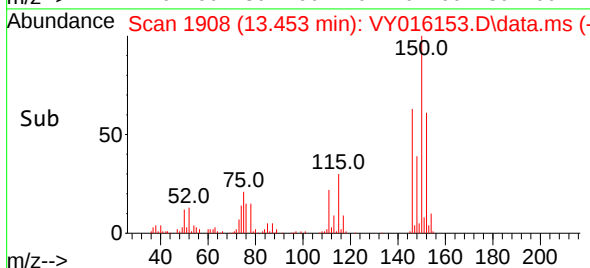
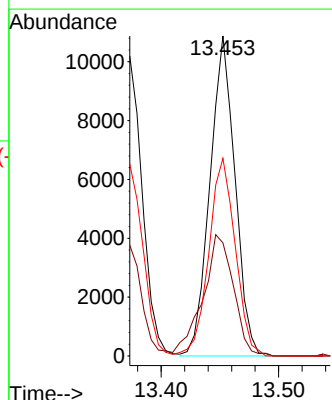
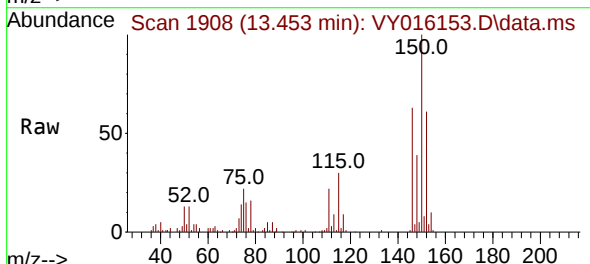
Manual Integrations
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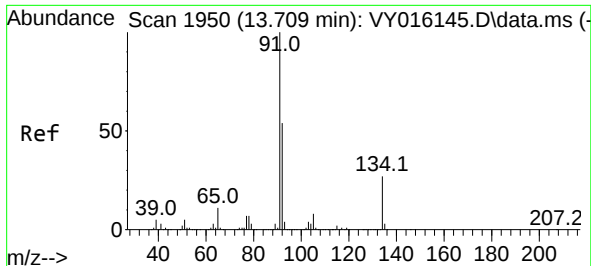
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#88
1,4-Dichlorobenzene
Concen: 4.187 ug/l
RT: 13.453 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:146 Resp: 16156
Ion Ratio Lower Upper
146 100
111 46.2 18.9 56.7
148 65.1 32.1 96.5





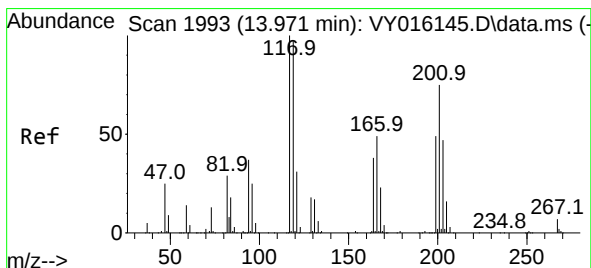
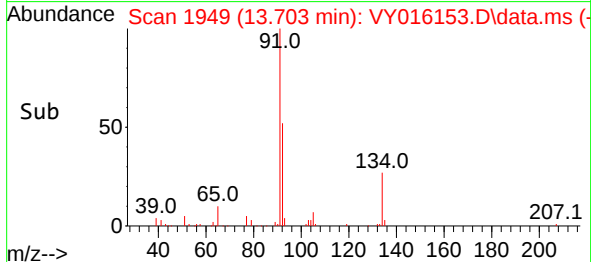
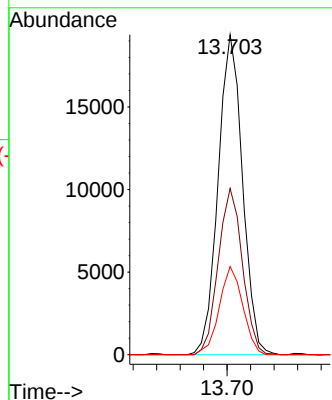
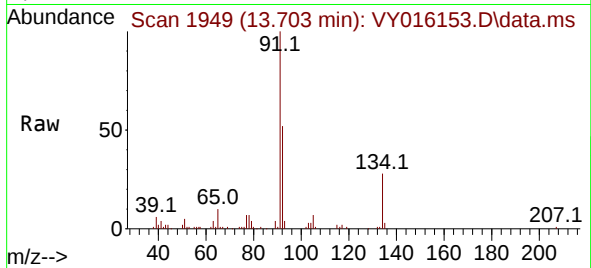
#89
n-Butylbenzene
Concen: 3.954 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion: 91 Resp: 27929
Ion Ratio Lower Upper
91 100
92 51.5 25.4 76.0
134 26.5 12.6 37.6

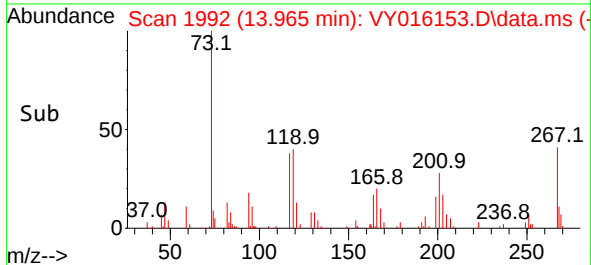
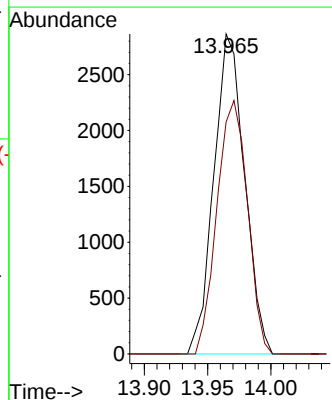
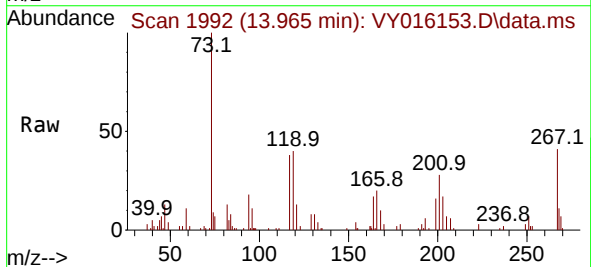
Manual Integrations
APPROVED

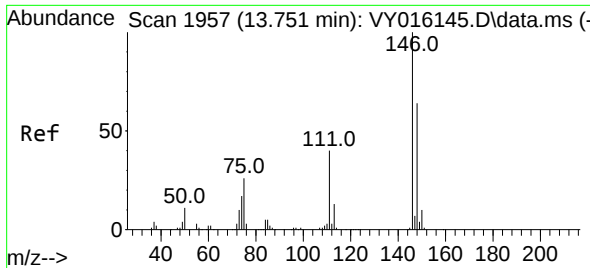
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#90
Hexachloroethane
Concen: 3.655 ug/l
RT: 13.965 min Scan# 1992
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion:117 Resp: 4842
Ion Ratio Lower Upper
117 100
201 78.6 41.6 124.8





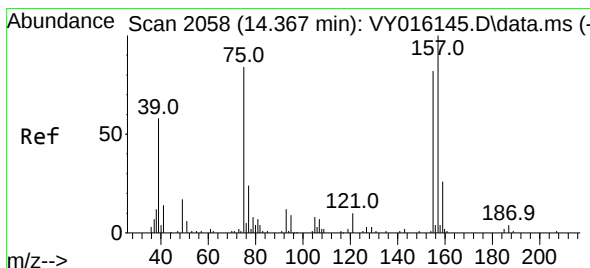
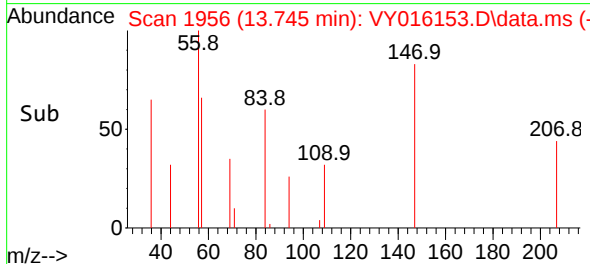
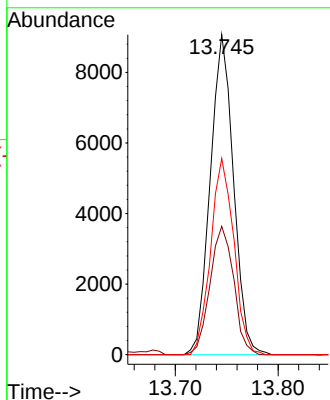
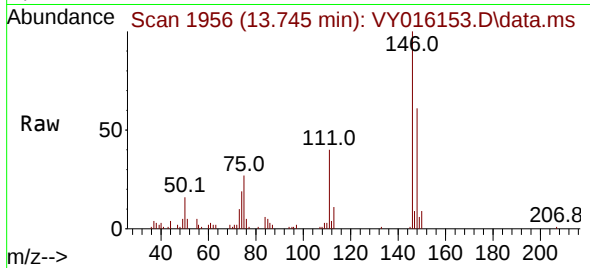
#91
1,2-Dichlorobenzene
Concen: 4.216 ug/l
RT: 13.745 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT4-2023 4.0PPB

Tgt Ion:146 Resp: 14220
Ion Ratio Lower Upper
146 100
111 40.8 19.7 59.0
148 61.2 32.0 96.2

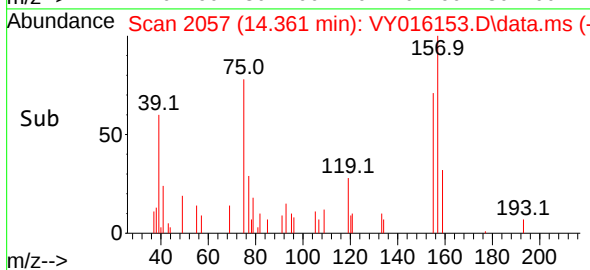
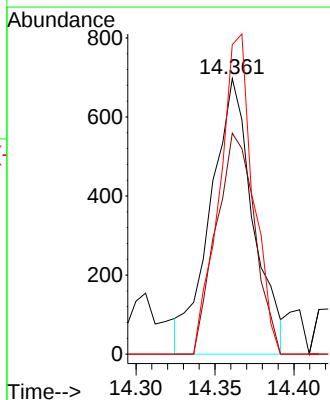
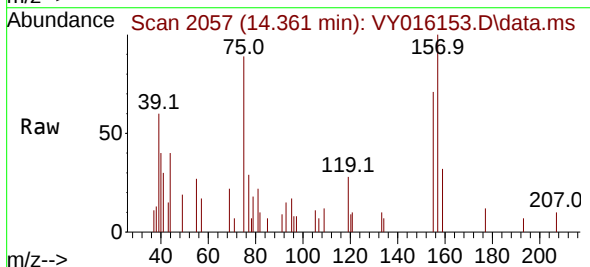
Manual Integrations
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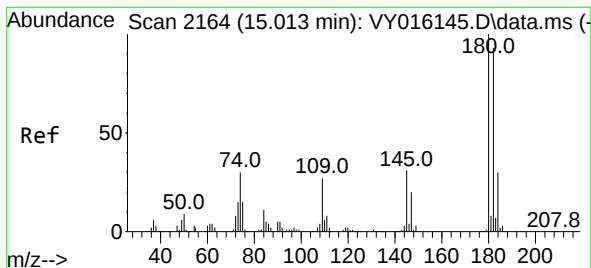
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/01/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.253 ug/l m
RT: 14.361 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VY016153.D
Acq: 31 Oct 2023 17:59

Tgt Ion: 75 Resp: 1304
Ion Ratio Lower Upper
75 100
155 72.5 41.5 124.6
157 92.3 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 4.363 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

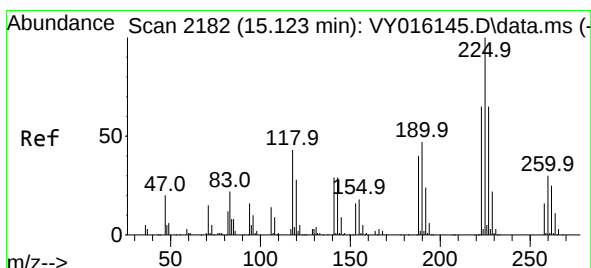
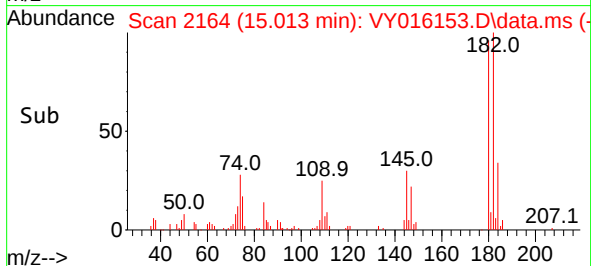
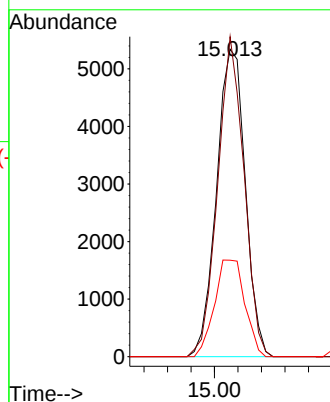
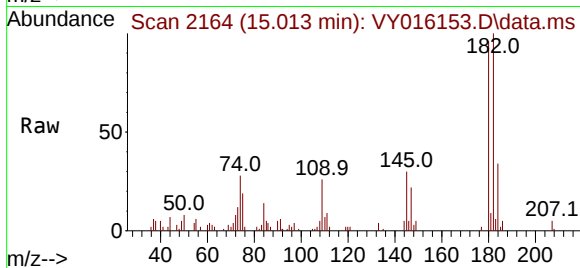
Tgt Ion:180	Resp:	908
Ion Ratio	Lower	Upper
180	100	
182	95.0	47.0 141.2
145	33.2	14.5 43.5

Manual Integrations

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Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#94

Hexachlorobutadiene

Concen: 4.502 ug/l

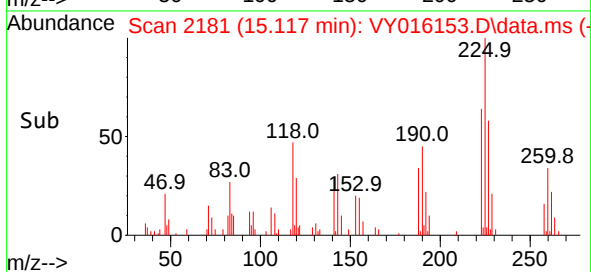
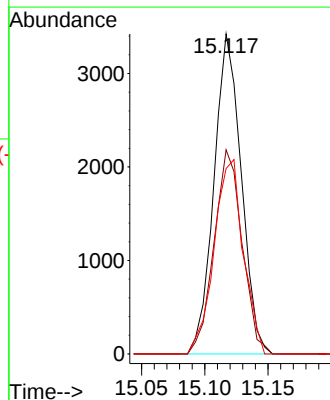
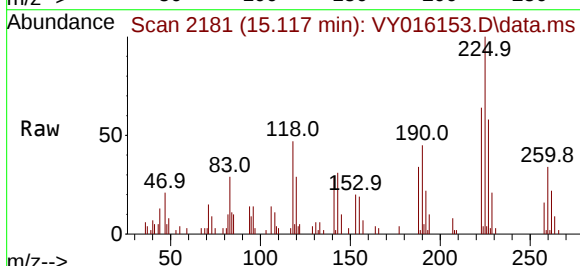
RT: 15.117 min Scan# 2181

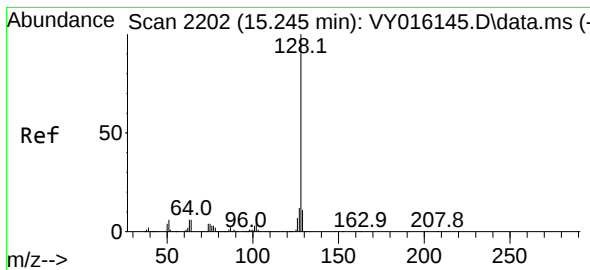
Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Tgt Ion:225	Resp:	5122
Ion Ratio	Lower	Upper
225	100	
223	65.7	31.9 95.9
227	65.1	33.0 98.9





#95

Naphthalene

Concen: 4.522 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2023 4.0PPB

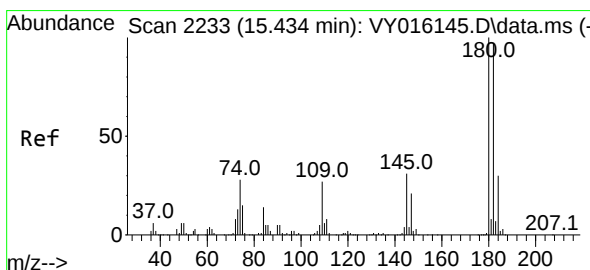
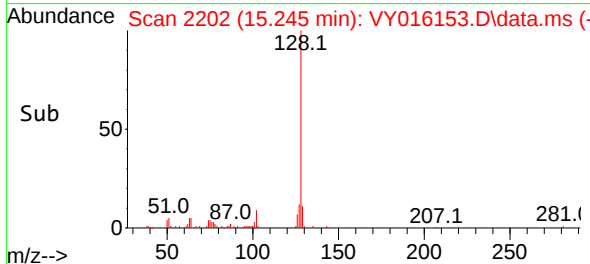
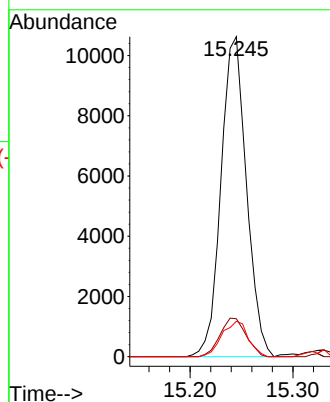
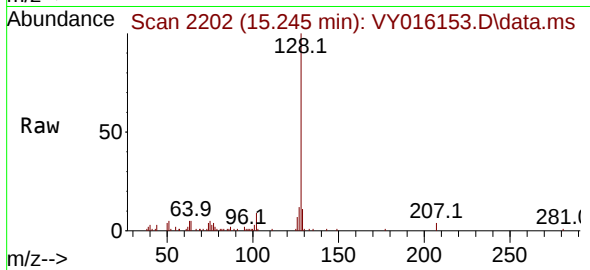
Tgt Ion:128	Resp:	18290
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.8 16.2
129	11.4	8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/01/2023



#96

1,2,3-Trichlorobenzene

Concen: 4.451 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.006 min

Lab File: VY016153.D

Acq: 31 Oct 2023 17:59

Tgt Ion:180	Resp:	7915
Ion Ratio	Lower	Upper
180	100	
182	95.2	47.3 141.8
145	33.0	15.4 46.2

