

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014642.D
 Acq On : 14 Jul 2023 13:04
 Operator : SY/MD
 Sample : 03572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 15 02:21:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 15 02:20:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	302015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	445408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	168230	48.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.710	113	154130	48.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.440%		
50) Toluene-d8	10.173	98	564897	47.933	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.477	95	211869	46.886	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6861	2.788	ug/l	94
3) Chloromethane	2.107	50	8073	2.919	ug/l	100
4) Vinyl Chloride	2.241	62	8273	2.676	ug/l	99
5) Bromomethane	2.638	94	7231	3.540	ug/l	95
6) Chloroethane	2.778	64	5225	2.706	ug/l	91
7) Trichlorofluoromethane	3.113	101	13289	2.560	ug/l	100
8) Diethyl Ether	3.522	74	5022	2.600	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	7999	2.514	ug/l	96
10) Methyl Iodide	4.076	142	6752	2.267	ug/l	96
11) Tert butyl alcohol	4.918	59	34422	45.439	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	7766	2.611	ug/l	88
13) Acrolein	3.723	56	3653	10.155	ug/l	85
14) Allyl chloride	4.466	41	12757	2.416	ug/l	94
15) Acrylonitrile	5.155	53	15309	14.372	ug/l	98
16) Acetone	3.948	43	16949	15.541	ug/l	99
17) Carbon Disulfide	4.180	76	19156	2.250	ug/l #	94
18) Methyl Acetate	4.473	43	13955	3.334	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	25587	2.649	ug/l	94
20) Methylene Chloride	4.704	84	17097	4.312	ug/l	91
21) trans-1,2-Dichloroethene	5.204	96	8633	2.558	ug/l	93
22) Diisopropyl ether	6.119	45	27083	2.523	ug/l #	89
23) Vinyl Acetate	6.052	43	73071	11.373	ug/l	99
24) 1,1-Dichloroethane	6.009	63	15787	2.570	ug/l #	91
25) 2-Butanone	6.978	43	25847	16.200	ug/l	97
26) 2,2-Dichloropropane	6.978	77	20133	3.439	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	10546	2.684	ug/l	92
28) Bromochloromethane	7.326	49	6190	2.340	ug/l	97
29) Tetrahydrofuran	7.344	42	14507	14.766	ug/l	95
30) Chloroform	7.503	83	16602	2.621	ug/l	95
31) Cyclohexane	7.777	56	18983	3.323	ug/l #	54
32) 1,1,1-Trichloroethane	7.698	97	15011	2.633	ug/l	94
36) 1,1-Dichloropropene	7.911	75	11576	2.422	ug/l	96
37) Ethyl Acetate	7.064	43	8980	2.728	ug/l #	84
38) Carbon Tetrachloride	7.893	117	12700	2.513	ug/l	99
39) Methylcyclohexane	9.179	83	15530	2.494	ug/l	99
40) Benzene	8.155	78	34560	2.542	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	3456	2.041	ug/l #	75
42) 1,2-Dichloroethane	8.228	62	11373	2.642	ug/l	88
43) Isopropyl Acetate	8.271	43	16397	2.615	ug/l	92
44) Trichloroethene	8.929	130	9864	2.593	ug/l	89
45) 1,2-Dichloropropane	9.210	63	9251	2.606	ug/l	99
46) Dibromomethane	9.301	93	5791	2.689	ug/l	94
47) Bromodichloromethane	9.490	83	13055	2.572	ug/l	96
48) Methyl methacrylate	9.289	41	6652	2.358	ug/l #	87
49) 1,4-Dioxane	9.289	88	1754	49.946	ug/l #	36
51) 4-Methyl-2-Pentanone	10.063	43	45851	13.929	ug/l	92
52) Toluene	10.240	92	22489	2.585	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	14024	2.526	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	15153	2.510	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	8274	2.758	ug/l	94
56) Ethyl methacrylate	10.508	69	12098	2.641	ug/l	90
57) 1,3-Dichloropropane	10.789	76	13894	2.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	22532	10.557	ug/l	94
59) 2-Hexanone	10.831	43	32670	13.609	ug/l	90
60) Dibromochloromethane	10.977	129	9515	2.587	ug/l	99
61) 1,2-Dibromoethane	11.081	107	8169	2.730	ug/l	99
64) Tetrachloroethene	10.715	164	10051	2.806	ug/l	88
65) Chlorobenzene	11.514	112	24904	2.624	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	8963	2.505	ug/l	94
67) Ethyl Benzene	11.587	91	44768	2.612	ug/l	99
68) m/p-Xylenes	11.697	106	33839	5.173	ug/l	99
69) o-Xylene	12.026	106	16738	2.627	ug/l	99
70) Styrene	12.044	104	27981	2.606	ug/l	97
71) Bromoform	12.209	173	6231	2.569	ug/l #	97
73) Isopropylbenzene	12.325	105	44239	2.614	ug/l	99
74) N-amyl acetate	12.142	43	14040	2.477	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	10630	2.755	ug/l	93
76) 1,2,3-Trichloropropane	12.630	75	7198m	2.637	ug/l	
77) Bromobenzene	12.605	156	9929	2.571	ug/l	89
78) n-propylbenzene	12.666	91	52275	2.564	ug/l	99
79) 2-Chlorotoluene	12.752	91	29962	2.551	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	37445	2.650	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3601	2.554	ug/l	96
82) 4-Chlorotoluene	12.849	91	30557	2.526	ug/l	99
83) tert-Butylbenzene	13.069	119	32409	2.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	36513	2.633	ug/l	99
85) sec-Butylbenzene	13.251	105	47500	2.583	ug/l	99
86) p-Isopropyltoluene	13.367	119	38841	2.587	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	20244	2.693	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	20663	2.743	ug/l	88
89) n-Butylbenzene	13.690	91	37029	2.535	ug/l	97
90) Hexachloroethane	13.959	117	7872	2.553	ug/l	84
91) 1,2-Dichlorobenzene	13.733	146	17909	2.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2278	3.087	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	11857	2.712	ug/l	98
94) Hexachlorobutadiene	15.105	225	6429	2.676	ug/l	96
95) Naphthalene	15.233	128	29313	2.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10645	2.740	ug/l	99

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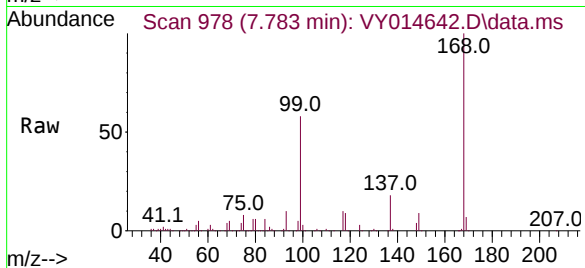
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014642.D
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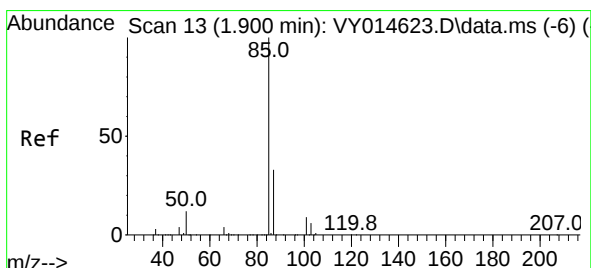
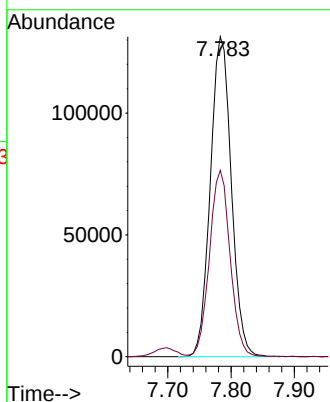
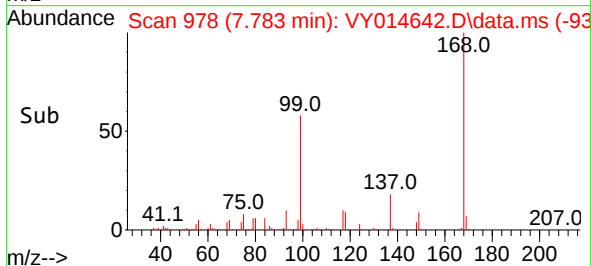
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:168 Resp: 30201
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0

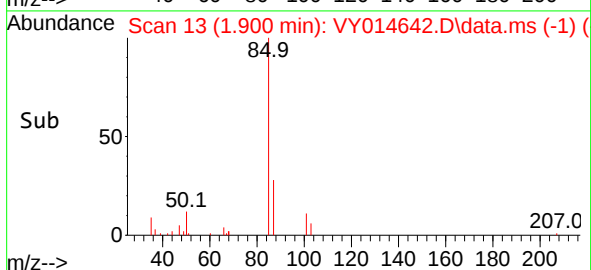
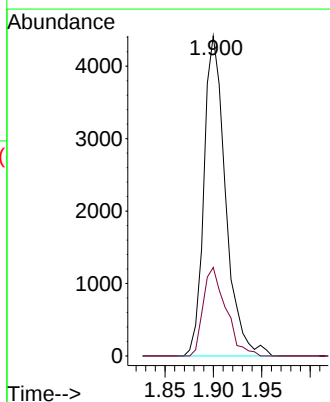
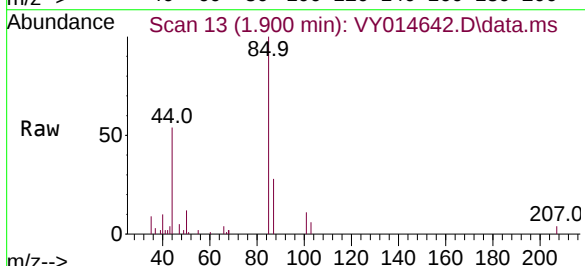
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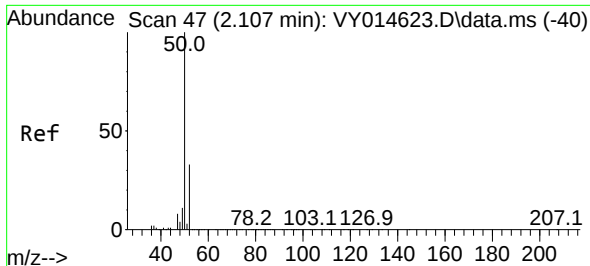
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#2
Dichlorodifluoromethane
Concen: 2.788 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

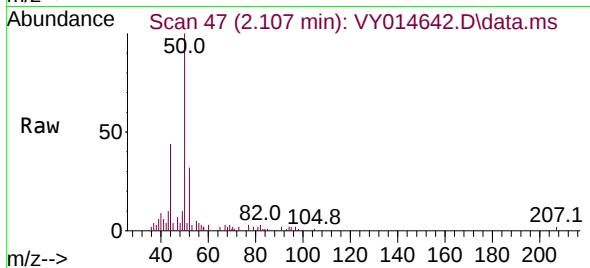
Tgt Ion: 85 Resp: 6861
Ion Ratio Lower Upper
85 100
87 27.6 15.6 46.8





#3
Chloromethane
Concen: 2.919 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

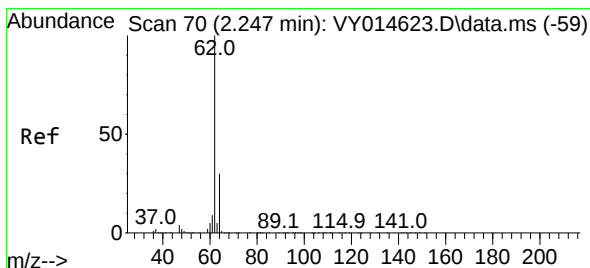
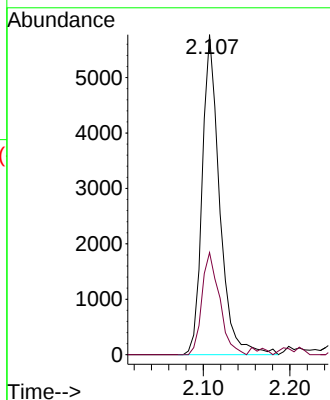
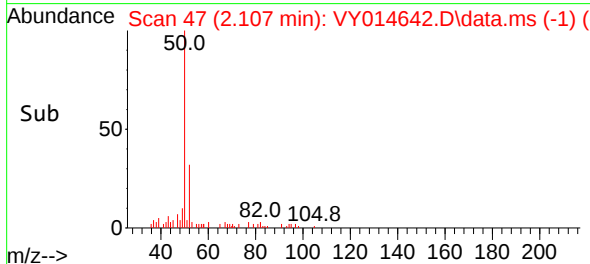
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Tgt Ion: 50 Resp: 807
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.2

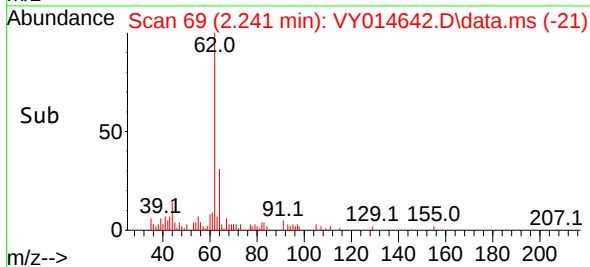
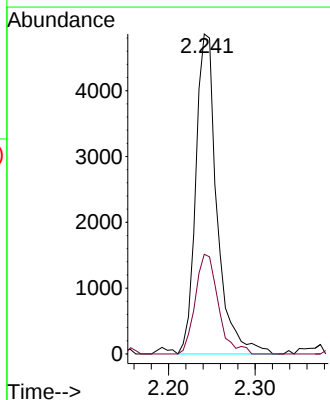
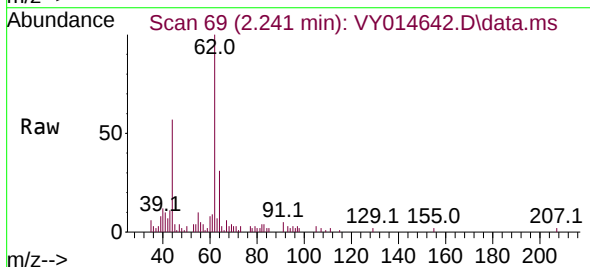
Manual Integrations
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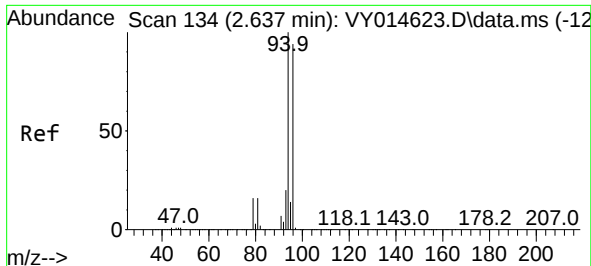
Reviewed By :John Carlone 07/17/2023
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#4
Vinyl Chloride
Concen: 2.676 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

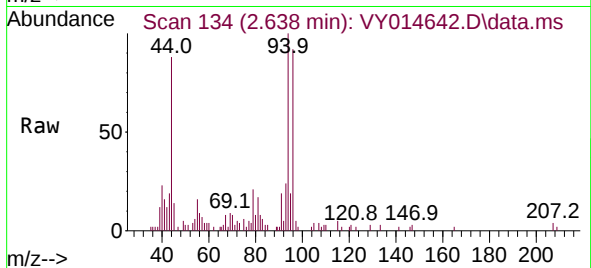
Tgt Ion: 62 Resp: 8273
Ion Ratio Lower Upper
62 100
64 31.1 24.3 36.5





#5
Bromomethane
Concen: 3.540 ug/l
RT: 2.638 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

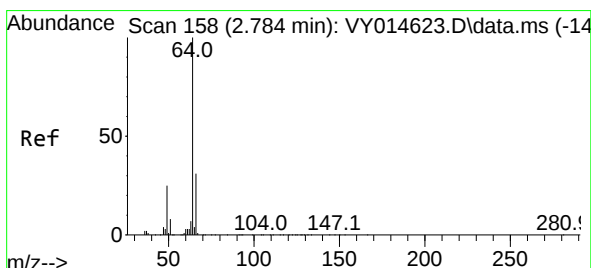
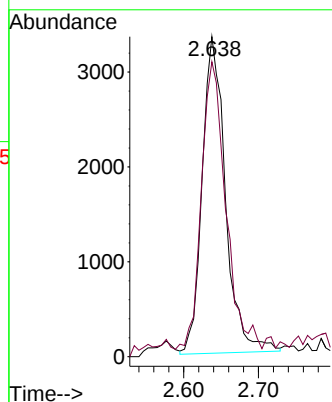
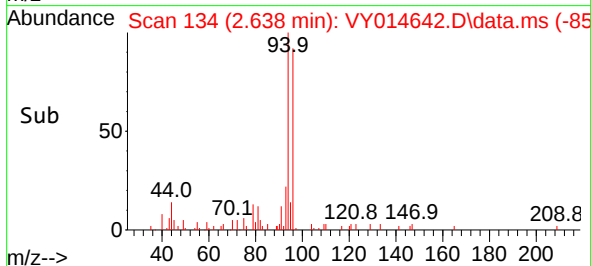
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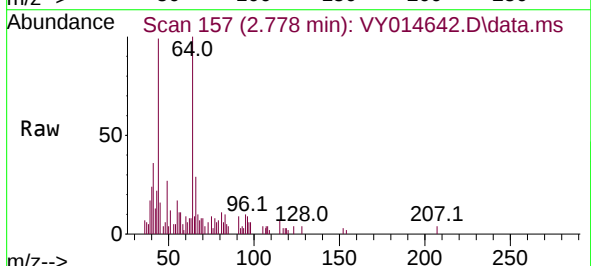
Tgt Ion: 94 Resp: 723
Ion Ratio Lower Upper
94 100
96 89.8 75.8 113.6

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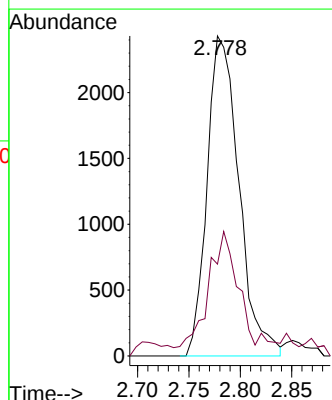
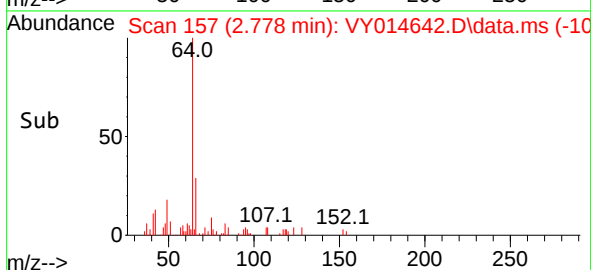
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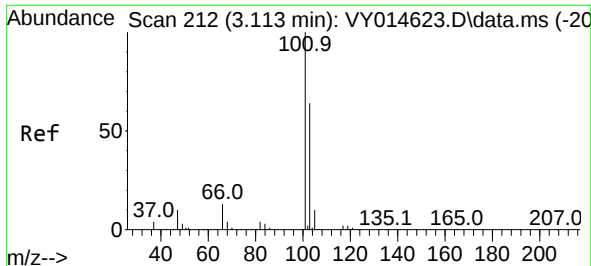


#6
Chloroethane
Concen: 2.706 ug/l
RT: 2.778 min Scan# 157
Delta R.T. -0.006 min
Lab File: VY014642.D
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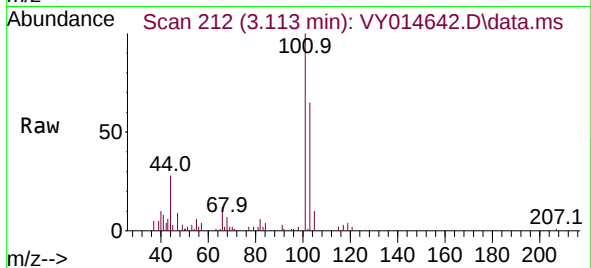
Tgt Ion: 64 Resp: 5225
Ion Ratio Lower Upper
64 100
66 25.7 24.4 36.6





#7
 Trichlorofluoromethane
 Concen: 2.560 ug/l
 RT: 3.113 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VY014642.D
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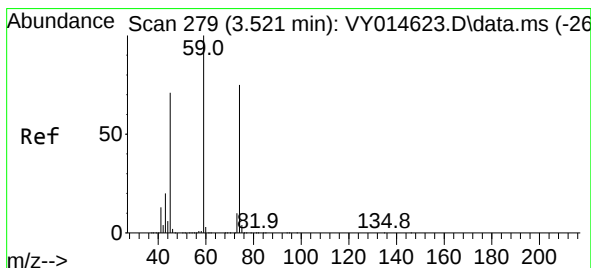
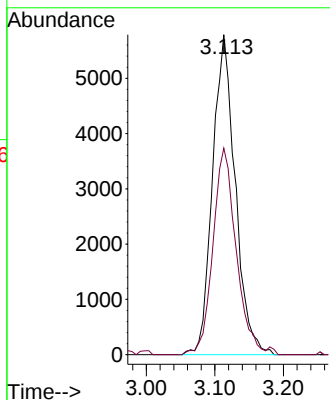
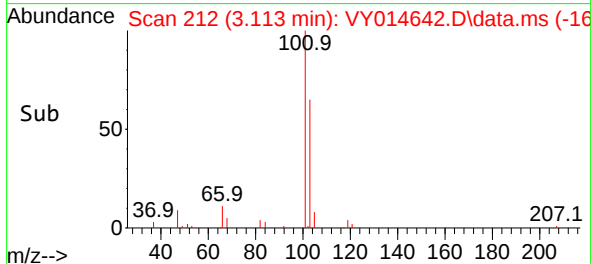
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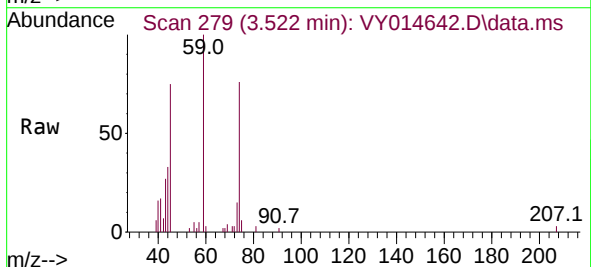
Tgt Ion:101 Resp: 13289
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0

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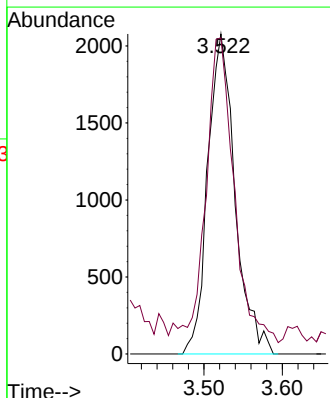
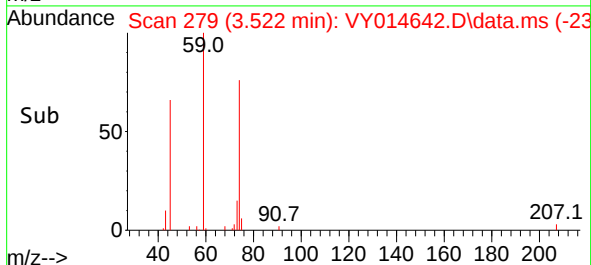
Reviewed By :John Carlone 07/17/2023
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#8
 Diethyl Ether
 Concen: 2.600 ug/l
 RT: 3.522 min Scan# 279
 Delta R.T. 0.001 min
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Tgt Ion: 74 Resp: 5022
 Ion Ratio Lower Upper
 74 100
 45 98.6 51.5 154.5





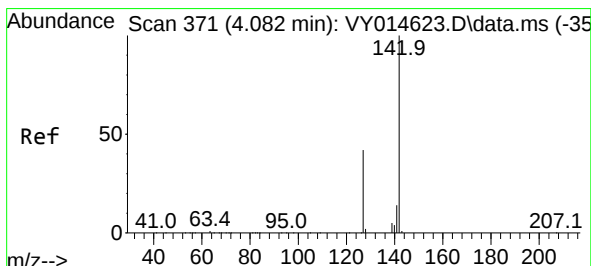
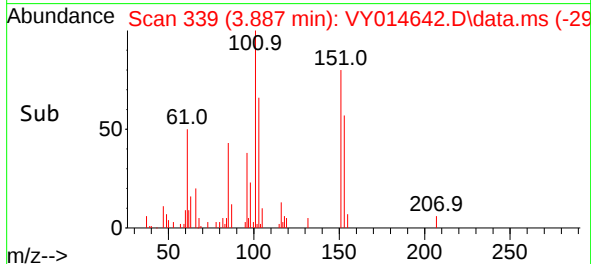
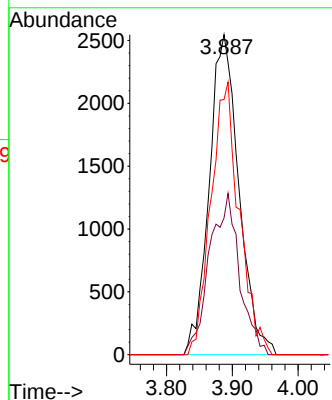
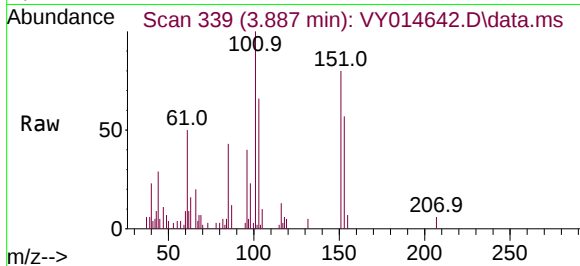
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.514 ug/l
RT: 3.887 min Scan# 339
Delta R.T. 0.000 min
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Tgt Ion:101 Resp: 799
Ion Ratio Lower Upper
101 100
85 50.8 36.6 55.0
151 81.3 67.0 100.6

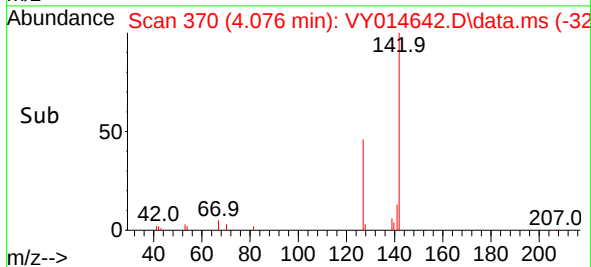
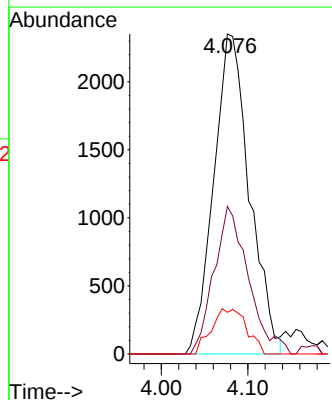
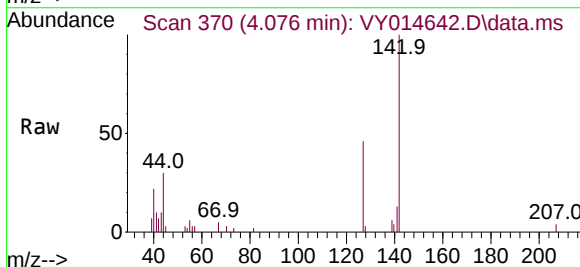
Manual Integrations
APPROVED

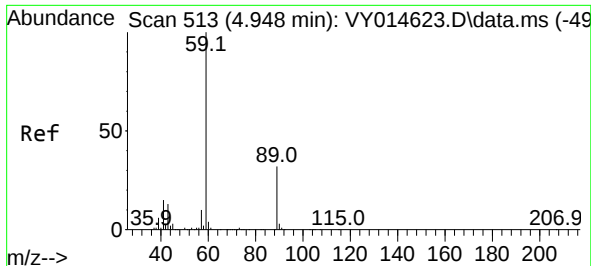
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#10
Methyl Iodide
Concen: 2.267 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

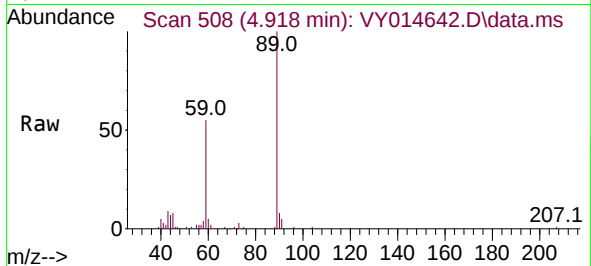
Tgt Ion:142 Resp: 6752
Ion Ratio Lower Upper
142 100
127 44.2 37.6 56.4
141 13.8 11.8 17.8





#11
Tert butyl alcohol
Concen: 45.439 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

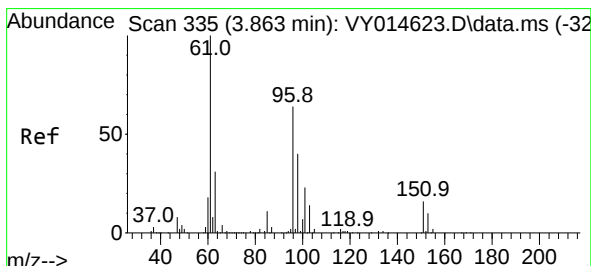
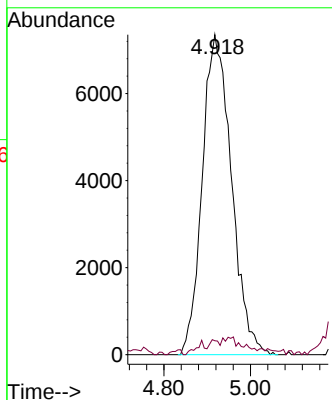
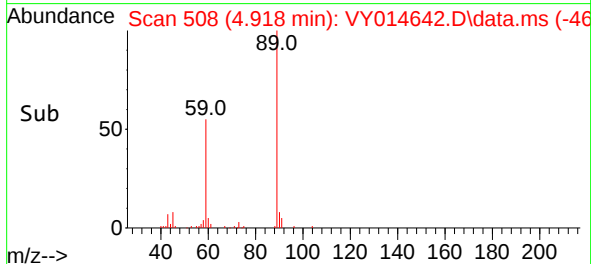
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



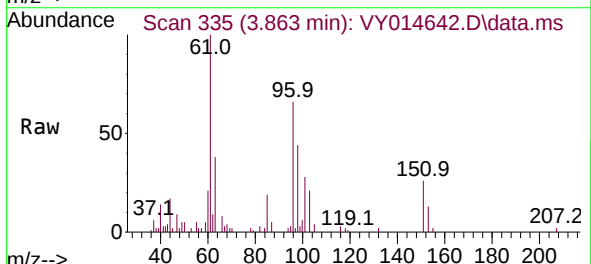
Tgt Ion: 59 Resp: 3442
Ion Ratio Lower Upper
59 100
57 0.8 3.0 4.4

Manual Integrations
APPROVED

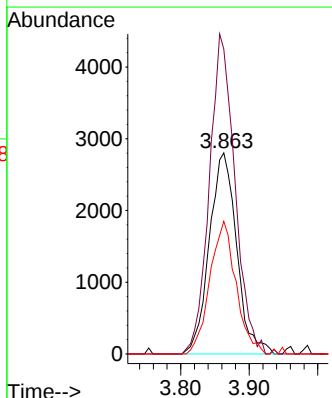
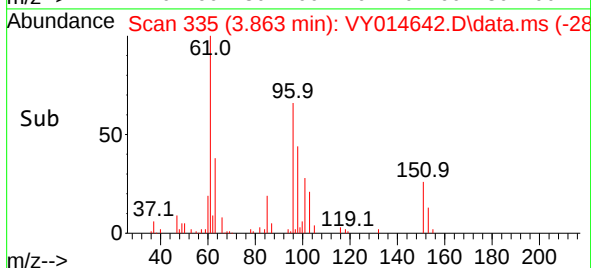
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

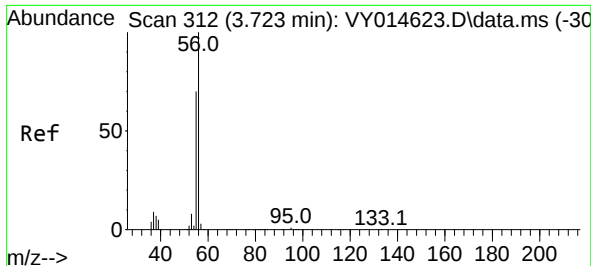


#12
1,1-Dichloroethene
Concen: 2.611 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04



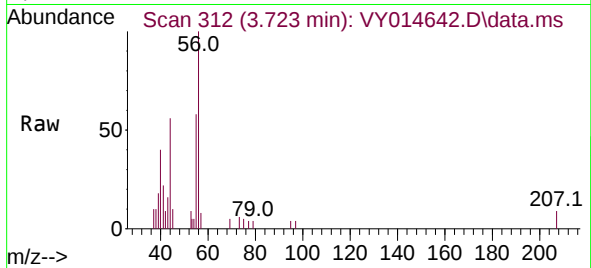
Tgt Ion: 96 Resp: 7766
Ion Ratio Lower Upper
96 100
61 151.6 136.4 204.6
98 66.0 49.4 74.2





#13
Acrolein
Concen: 10.155 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

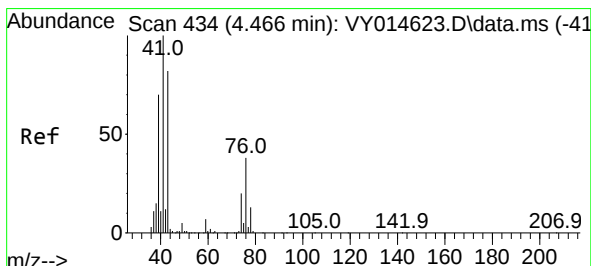
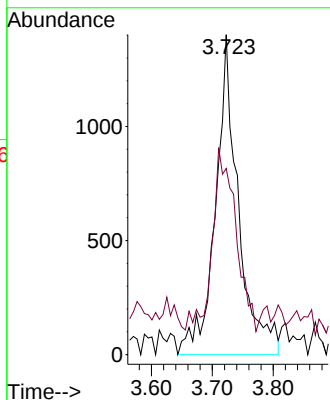
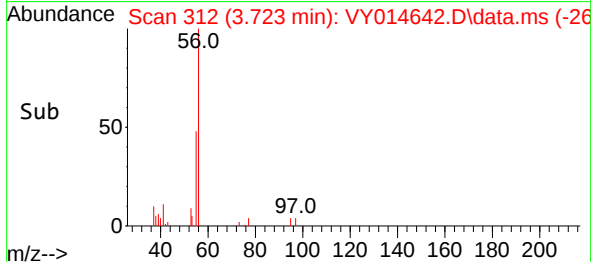
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 58.9 57.0 85.4

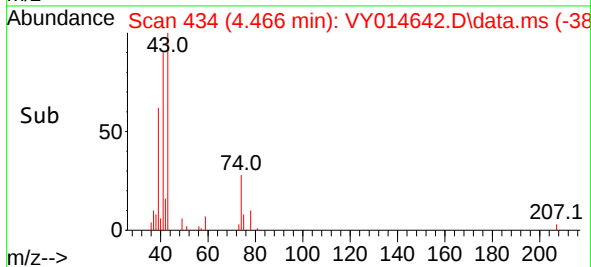
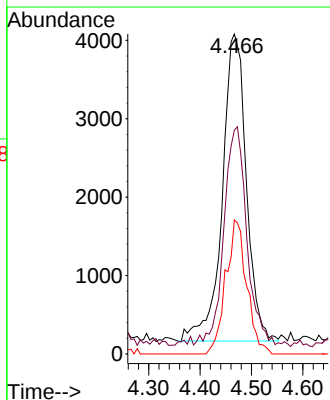
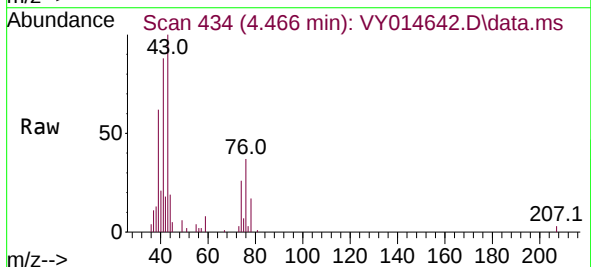
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#14
Allyl chloride
Concen: 2.416 ug/l
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

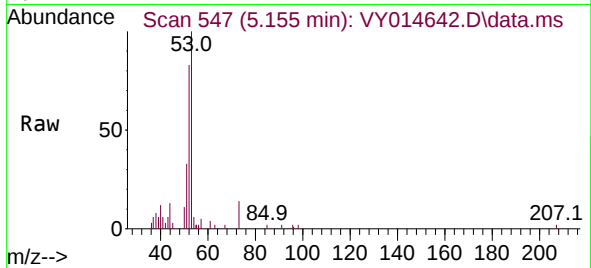
Tgt Ion: 41 Resp: 12757
Ion Ratio Lower Upper
41 100
39 67.6 58.0 87.0
76 37.9 27.4 41.2





#15
Acrylonitrile
Concen: 14.372 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

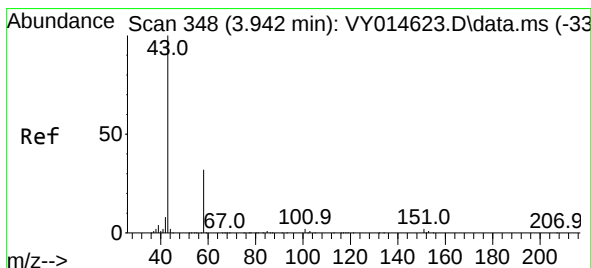
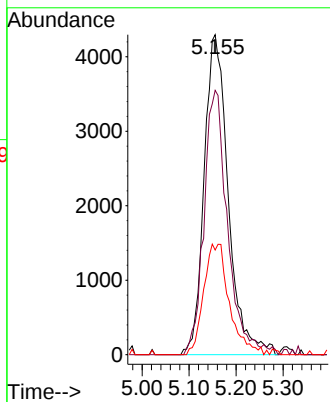
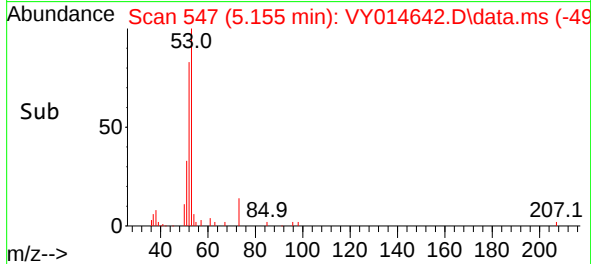
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 53 Resp: 15309
Ion Ratio Lower Upper
53 100
52 81.1 66.9 100.3
51 36.9 29.8 44.6

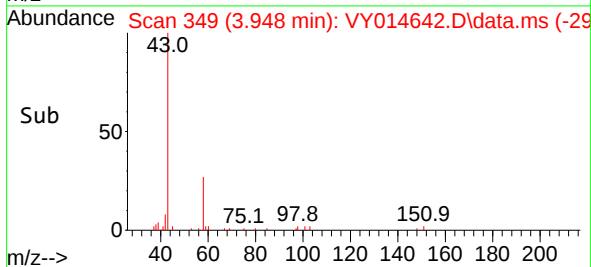
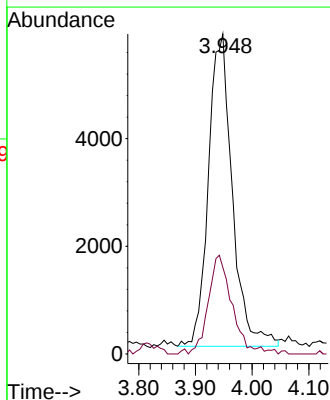
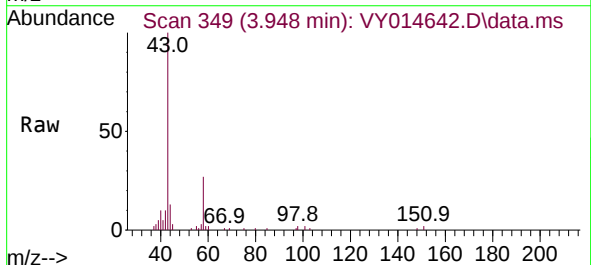
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#16
Acetone
Concen: 15.541 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

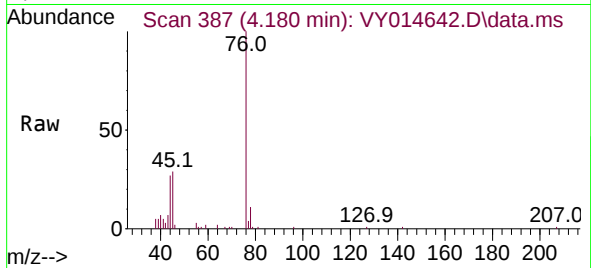
Tgt Ion: 43 Resp: 16949
Ion Ratio Lower Upper
43 100
58 27.7 22.7 34.1





#17
Carbon Disulfide
Concen: 2.250 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

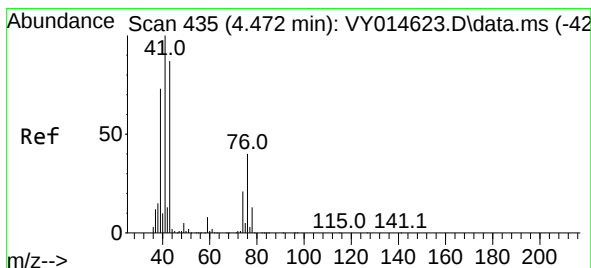
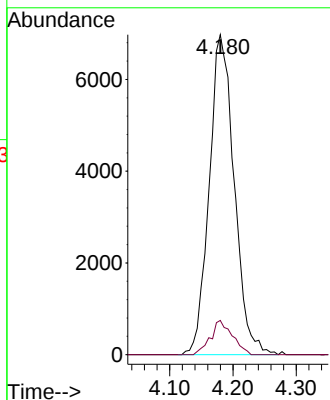
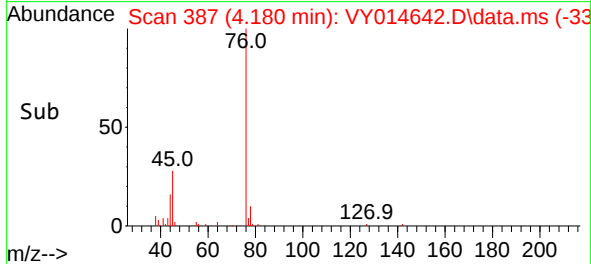
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 76 Resp: 19150
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.4

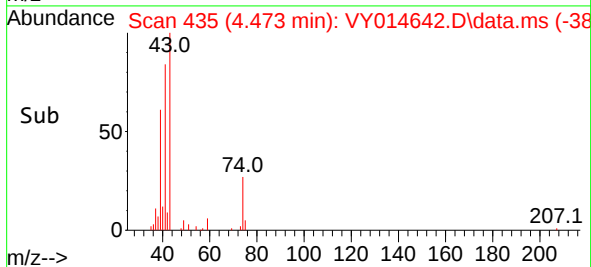
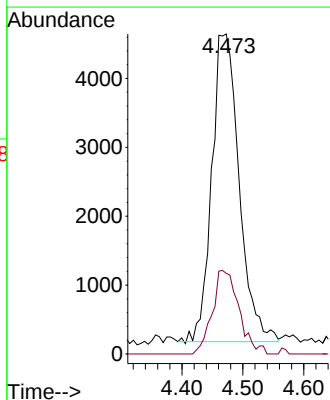
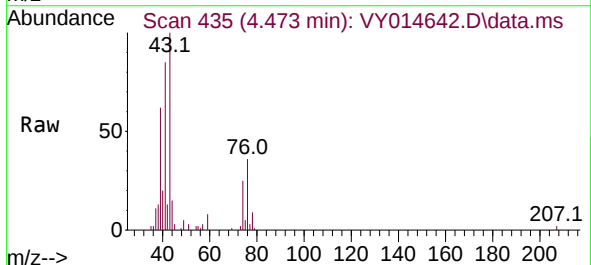
Manual Integrations
APPROVED

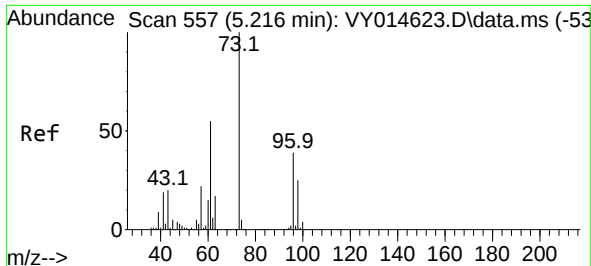
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#18
Methyl Acetate
Concen: 3.334 ug/l
RT: 4.473 min Scan# 435
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

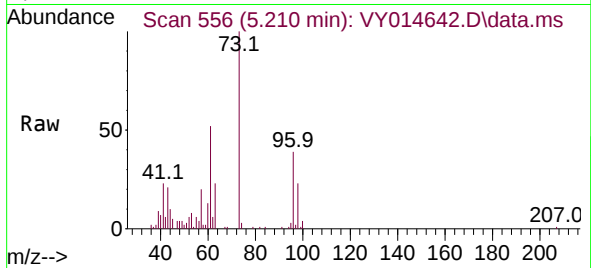
Tgt Ion: 43 Resp: 13955
Ion Ratio Lower Upper
43 100
74 26.4 17.4 26.0





#19
Methyl tert-butyl Ether
Concen: 2.649 ug/l
RT: 5.210 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

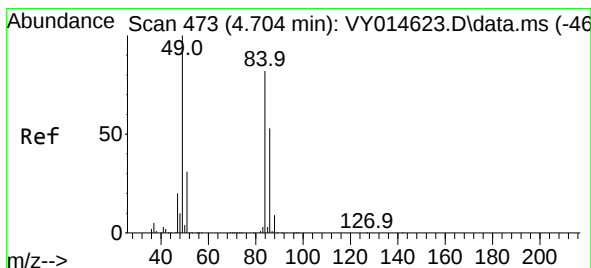
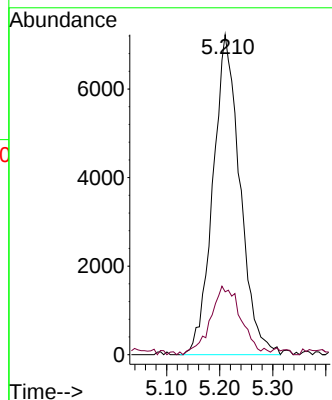
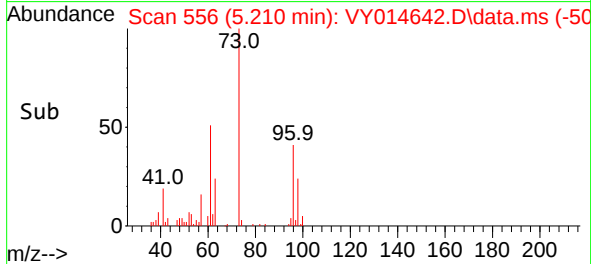
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 73 Resp: 2558
Ion Ratio Lower Upper
73 100
57 18.8 17.3 25.9

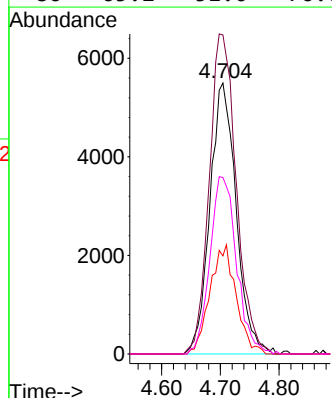
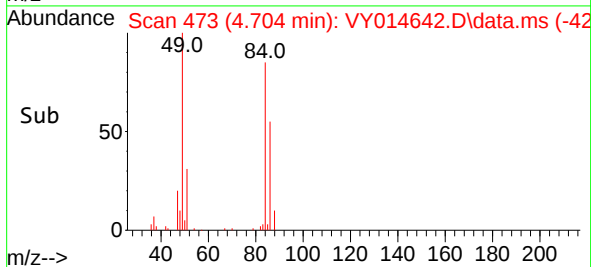
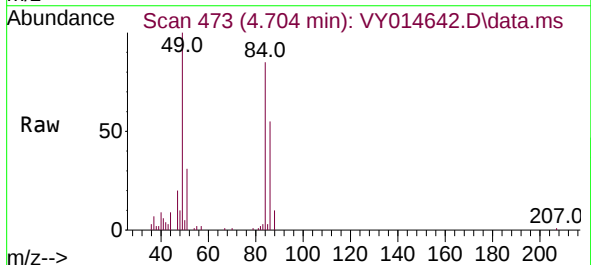
Manual Integrations
APPROVED

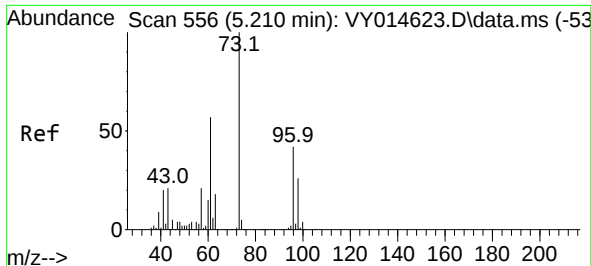
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#20
Methylene Chloride
Concen: 4.312 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

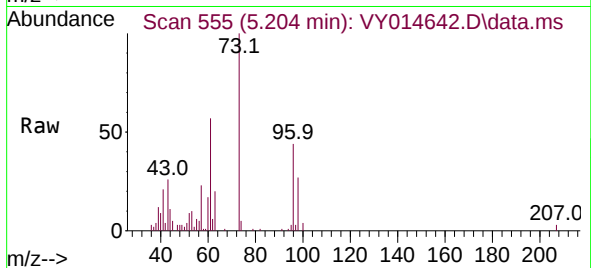
Tgt Ion: 84 Resp: 17097
Ion Ratio Lower Upper
84 100
49 117.8 106.9 160.3
51 36.2 33.2 49.8
86 65.2 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 2.558 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

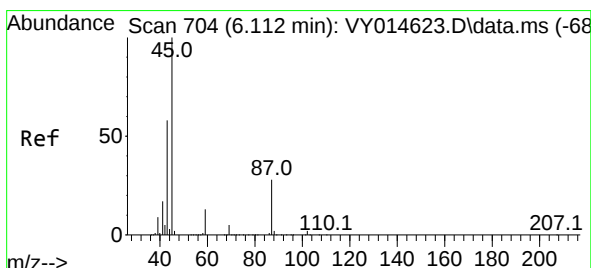
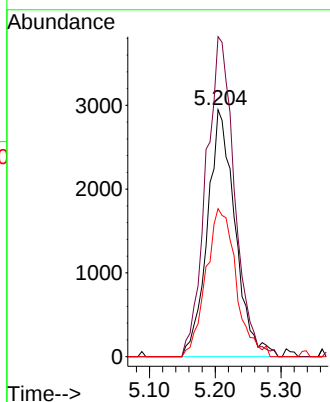
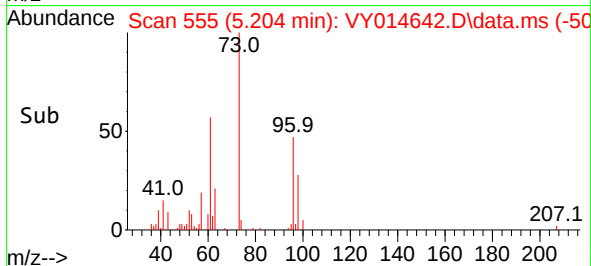
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



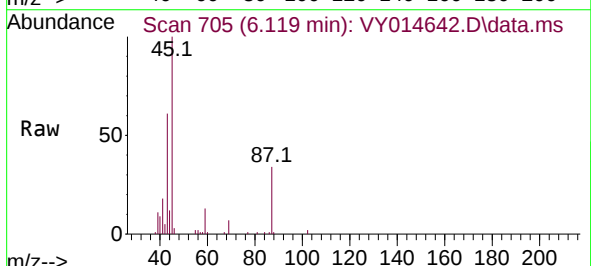
Tgt Ion: 96 Resp: 863
Ion Ratio Lower Upper
96 100
61 129.6 110.2 165.4
98 59.9 51.8 77.6

Manual Integrations
APPROVED

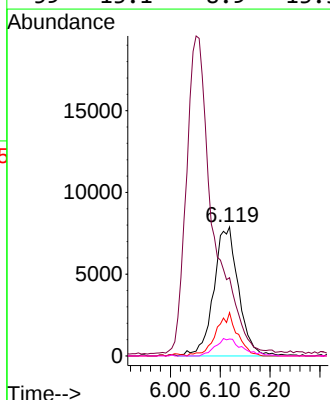
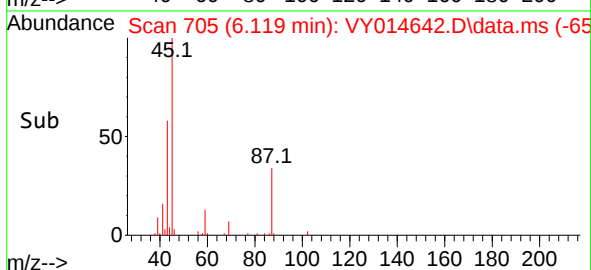
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#22
Diisopropyl ether
Concen: 2.523 ug/l
RT: 6.119 min Scan# 705
Delta R.T. 0.007 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04



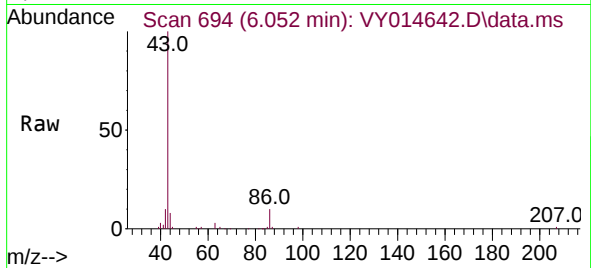
Tgt Ion: 45 Resp: 27083
Ion Ratio Lower Upper
45 100
43 57.5 52.2 78.4
87 33.6 21.0 31.6#
59 13.1 8.9 13.3





#23
 Vinyl Acetate
 Concen: 11.373 ug/l
 RT: 6.052 min Scan# 694
 Delta R.T. 0.001 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

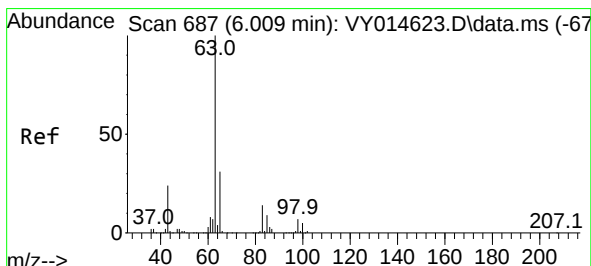
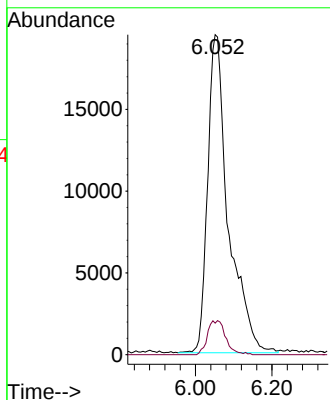
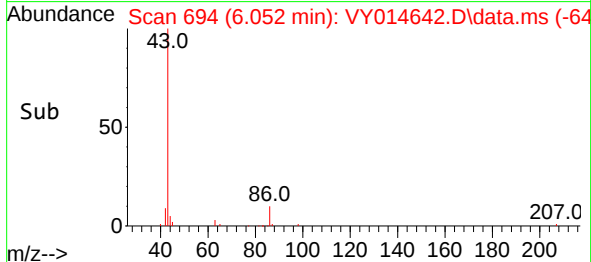
Instrument : MSVOA_Y
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



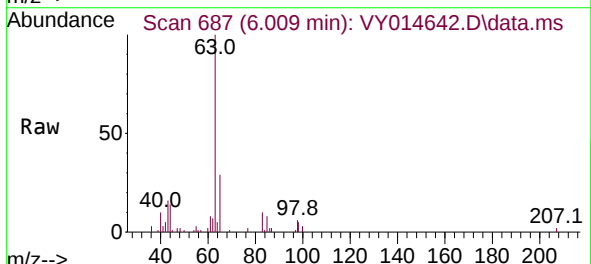
Tgt Ion: 43 Resp: 7307
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.5 11.3

Manual Integrations
 APPROVED

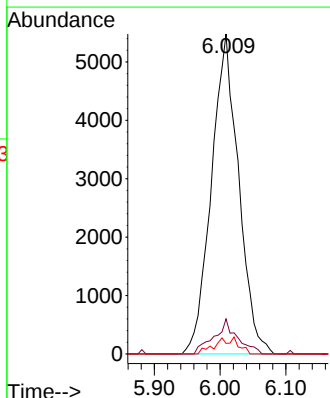
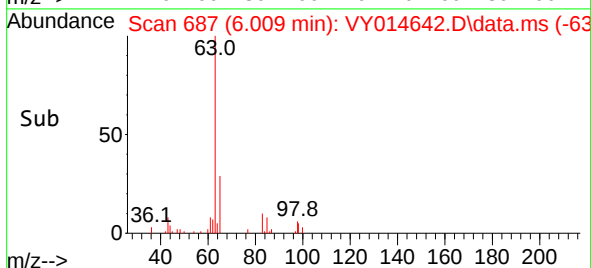
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#24
 1,1-Dichloroethane
 Concen: 2.570 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04



Tgt Ion: 63 Resp: 15787
 Ion Ratio Lower Upper
 63 100
 98 10.9 3.1 9.4#
 100 3.3 1.8 5.5





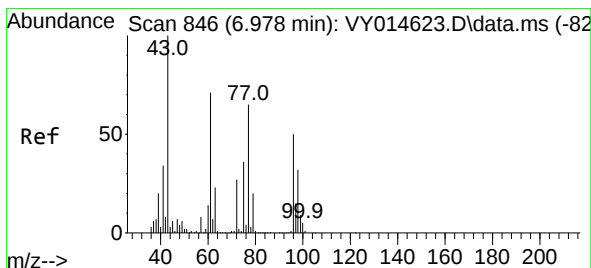
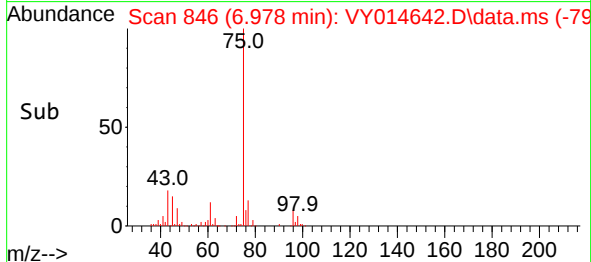
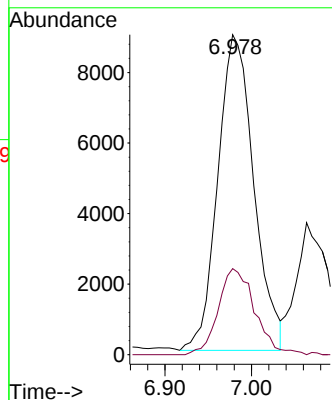
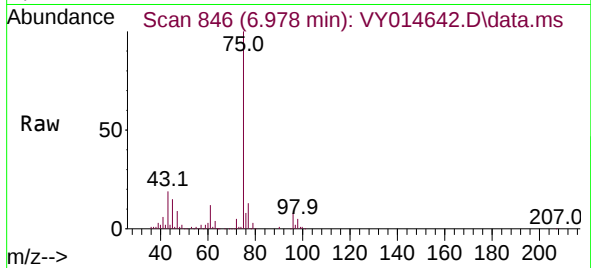
#25
2-Butanone
Concen: 16.200 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
72 27.3 20.5 30.7

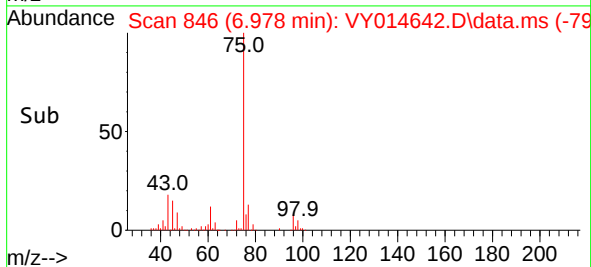
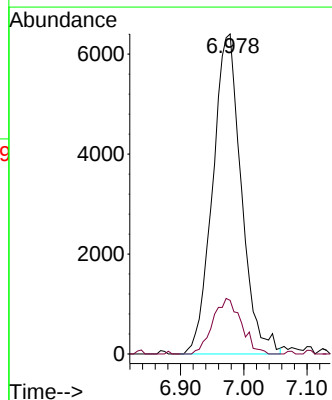
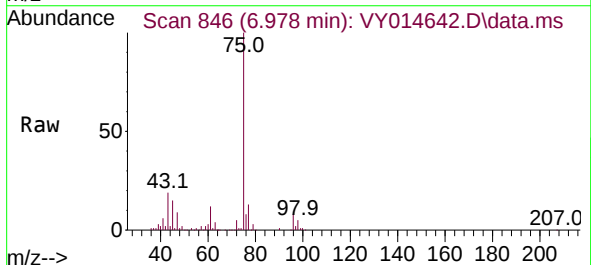
Manual Integrations
APPROVED

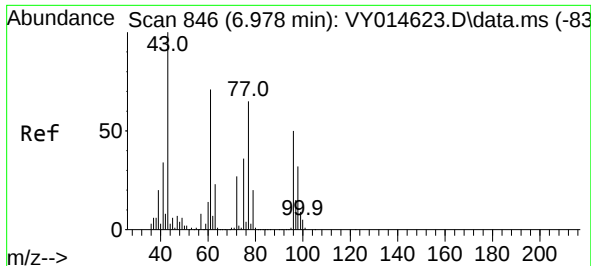
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#26
2,2-Dichloropropane
Concen: 3.439 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

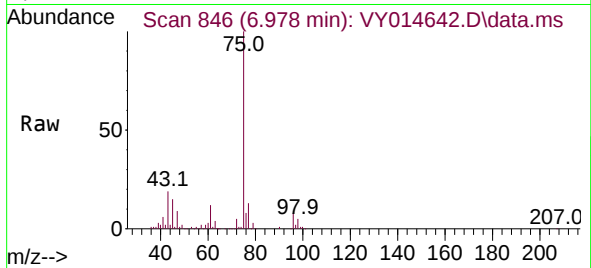
Tgt Ion: 77 Resp: 20133
Ion Ratio Lower Upper
77 100
97 17.3 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 2.684 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

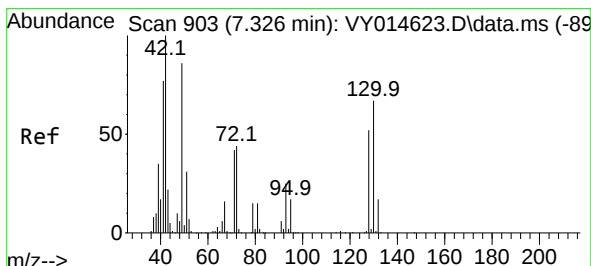
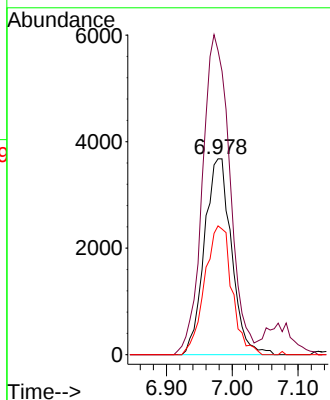
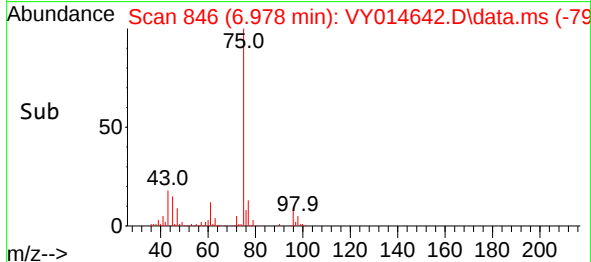
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 96 Resp: 10540
 Ion Ratio Lower Upper
 96 100
 61 165.2 0.0 301.4
 98 66.0 0.0 130.4

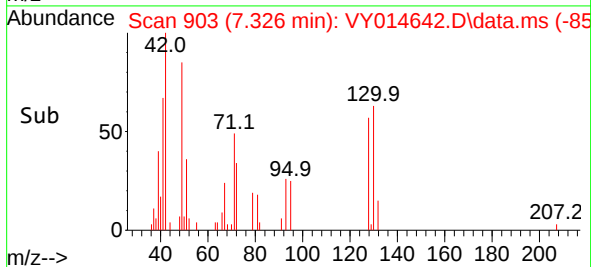
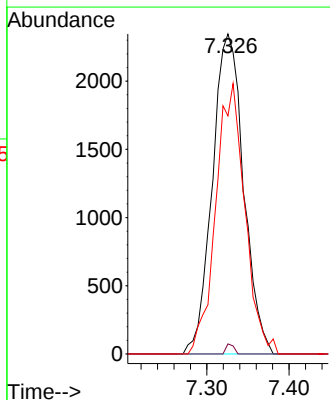
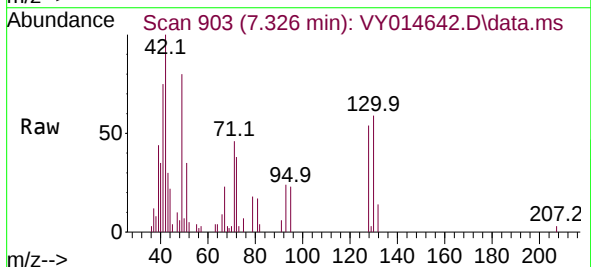
Manual Integrations
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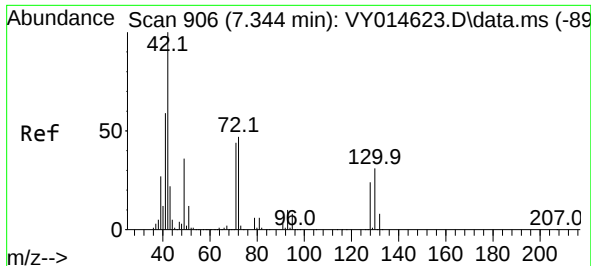
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#28
 Bromochloromethane
 Concen: 2.340 ug/l
 RT: 7.326 min Scan# 903
 Delta R.T. -0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

Tgt Ion: 49 Resp: 6190
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.6
 130 78.8 60.7 91.1





#29

Tetrahydrofuran

Concen: 14.766 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY014642.D

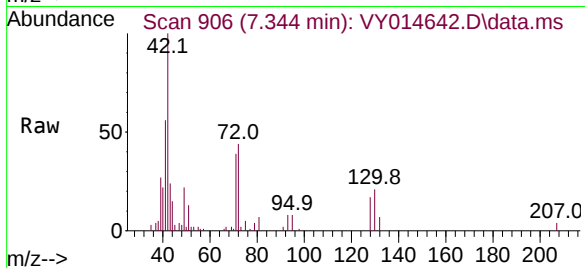
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

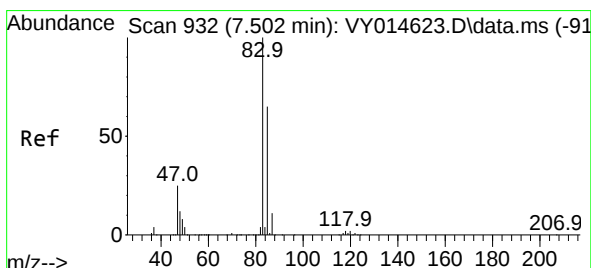
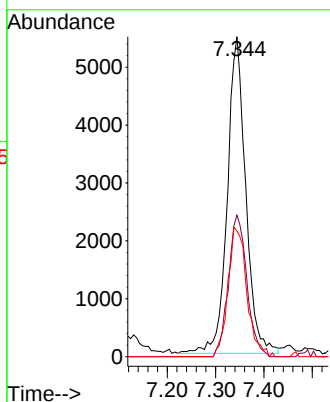
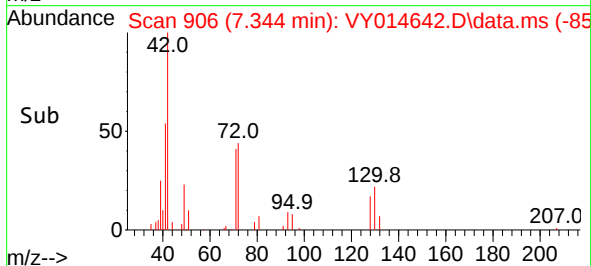


Tgt Ion:	42	Resp:	1450
Ion Ratio	Lower	Upper	
42	100		
72	44.5	32.8	49.2
71	41.8	31.0	46.4

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#30

Chloroform

Concen: 2.621 ug/l

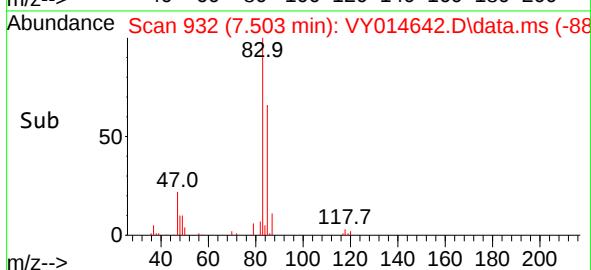
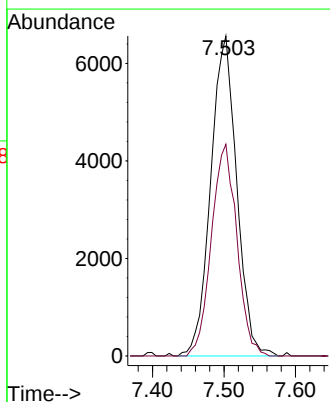
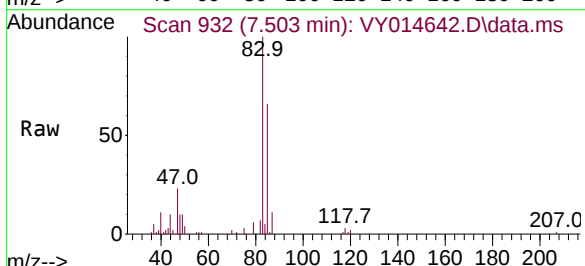
RT: 7.503 min Scan# 932

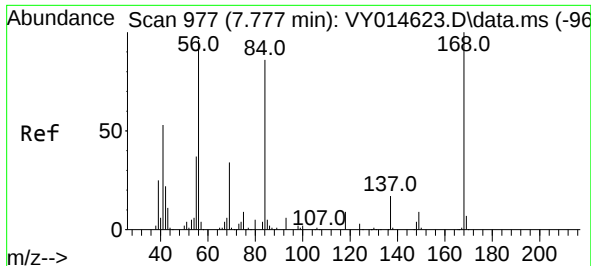
Delta R.T. 0.001 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

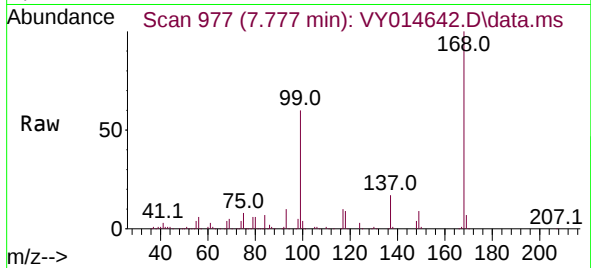
Tgt Ion:	83	Resp:	16602
Ion Ratio	Lower	Upper	
83	100		
85	66.2	49.7	74.5





#31
Cyclohexane
Concen: 3.323 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

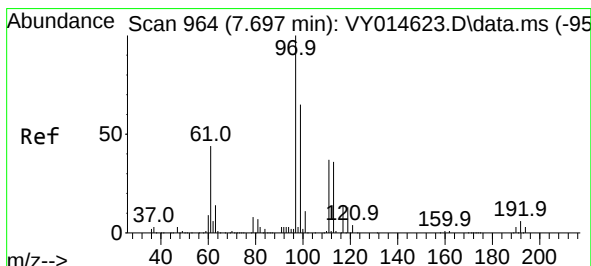
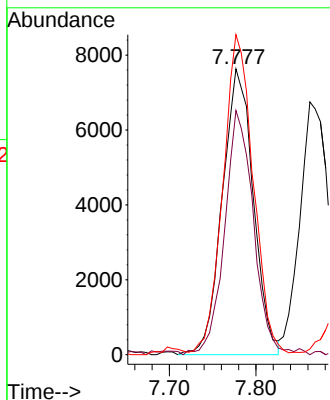
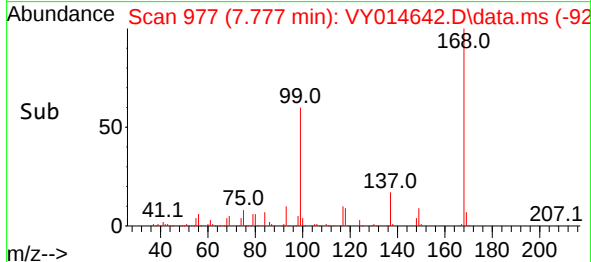
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 1898
Ion Ratio Lower Upper
56 100
69 84.3 27.8 41.6
84 110.0 66.4 99.6

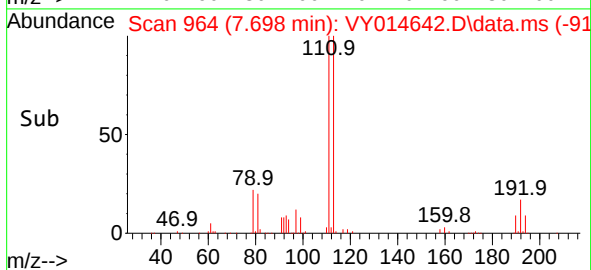
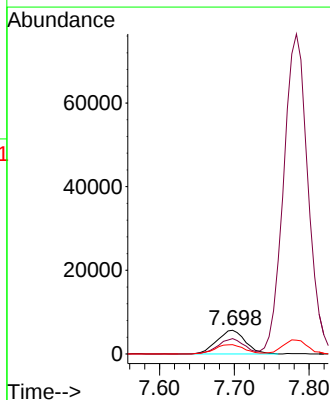
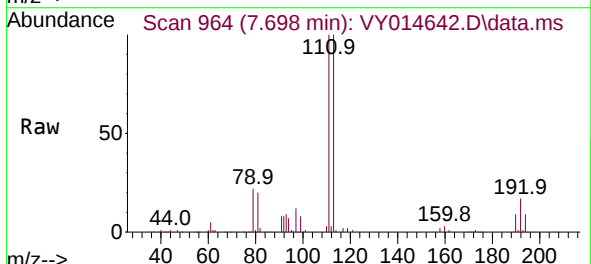
Manual Integrations
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Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#32
1,1,1-Trichloroethane
Concen: 2.633 ug/l
RT: 7.698 min Scan# 964
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 97 Resp: 15011
Ion Ratio Lower Upper
97 100
99 59.0 50.8 76.2
61 40.1 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 48.882 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 65 Resp: 168230

Ion Ratio Lower Upper

65 100

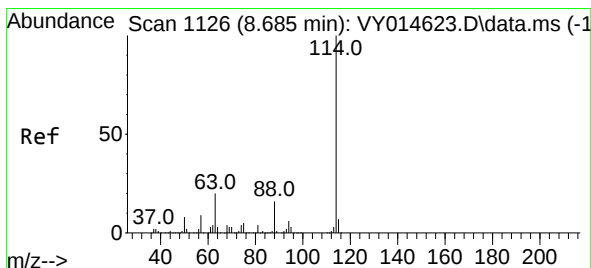
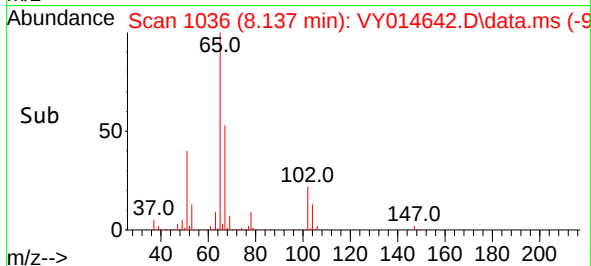
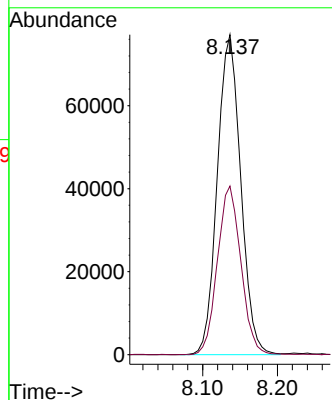
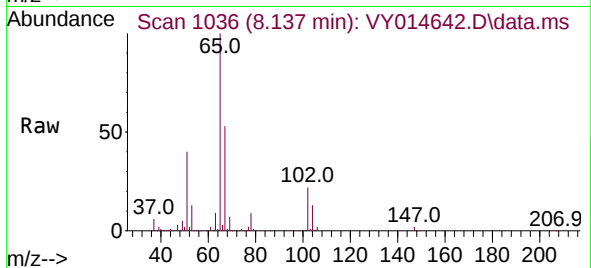
67 52.9 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

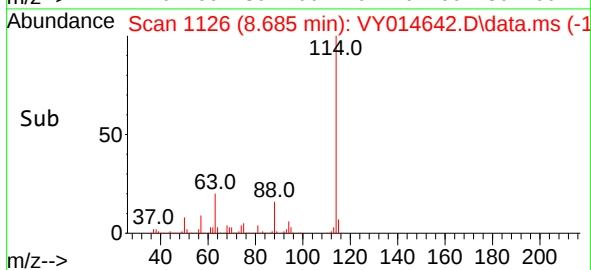
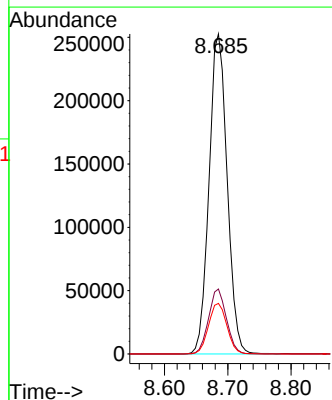
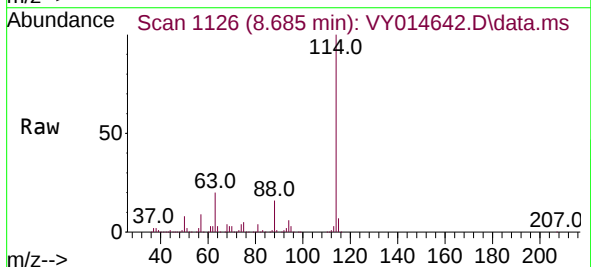
Tgt Ion:114 Resp: 502150

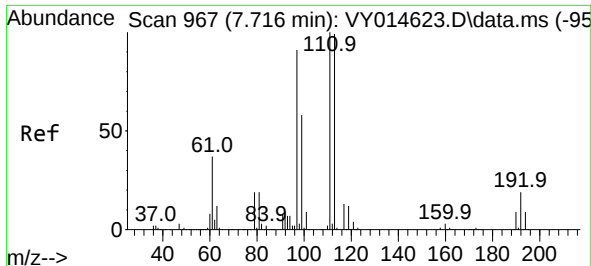
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

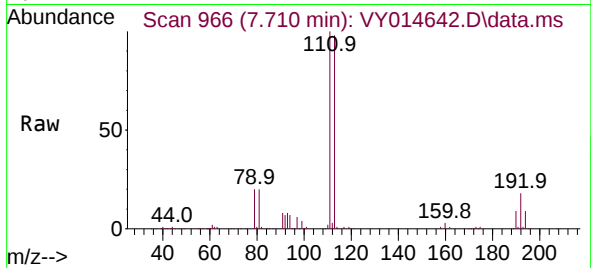
88 15.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.217 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

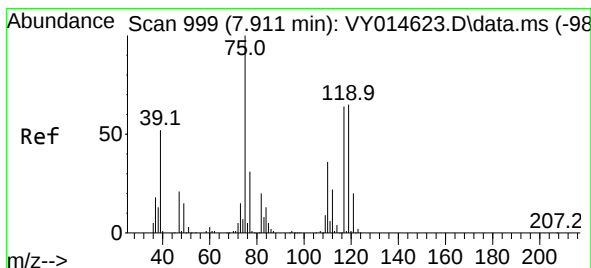
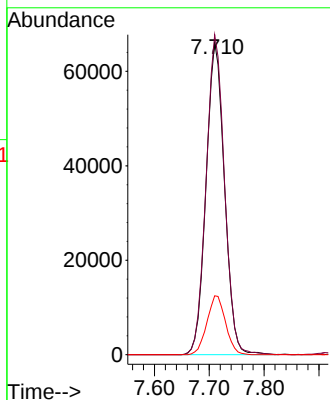
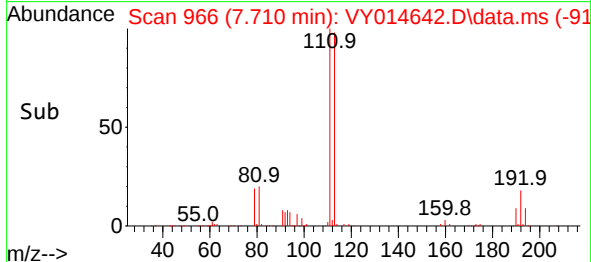
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:113 Resp: 154130
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.0 16.9 25.3

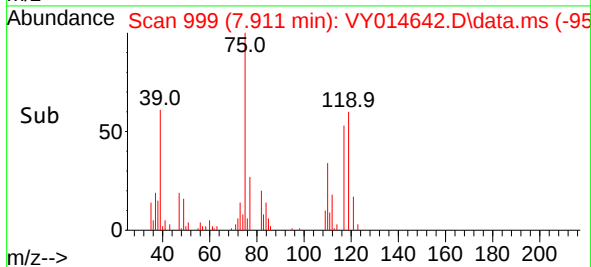
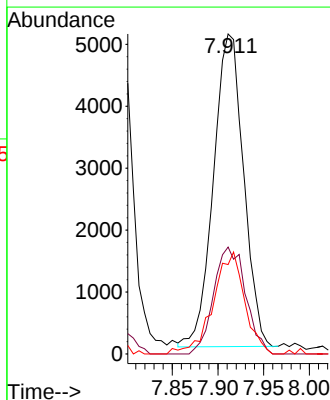
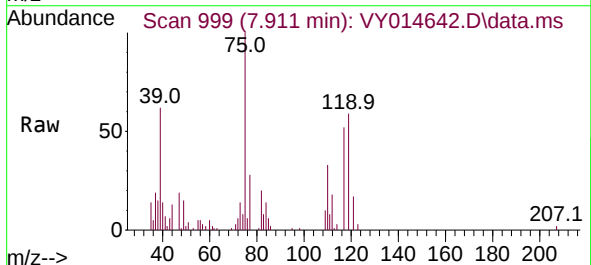
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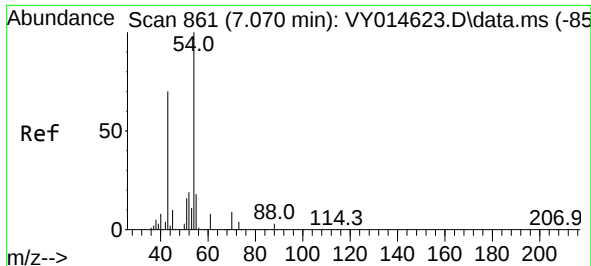
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#36
1,1-Dichloropropene
Concen: 2.422 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 75 Resp: 11576
Ion Ratio Lower Upper
75 100
110 36.3 17.8 53.5
77 34.1 24.4 36.6





#37

Ethyl Acetate

Concen: 2.728 ug/l

RT: 7.064 min Scan# 80

Delta R.T. -0.006 min

Lab File: VY014642.D

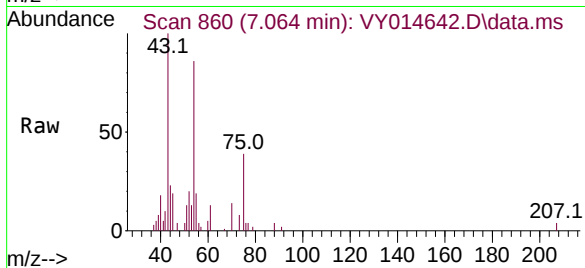
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



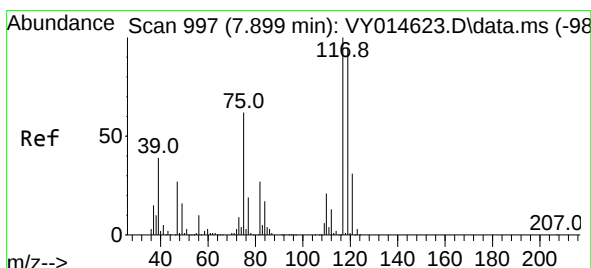
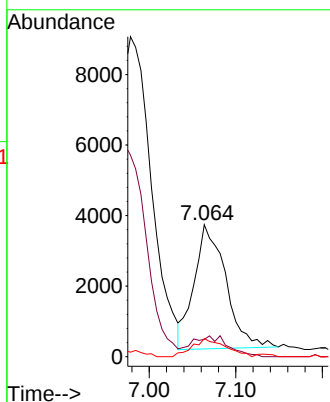
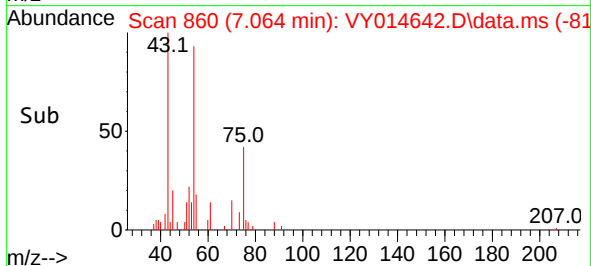
Tgt Ion:	43	Resp:	8980
Ion	Ratio	Lower	Upper
43	100		
61	18.4	10.1	15.1
70	15.0	7.1	10.7

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#38

Carbon Tetrachloride

Concen: 2.513 ug/l

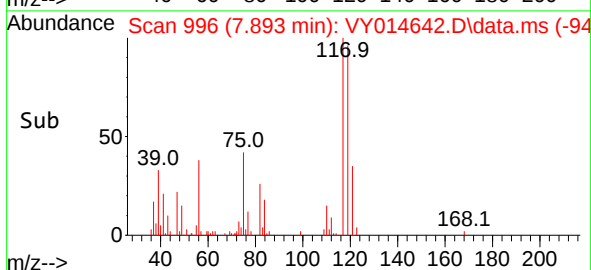
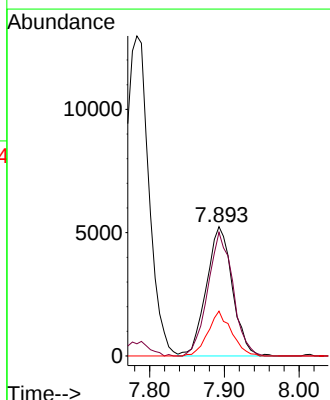
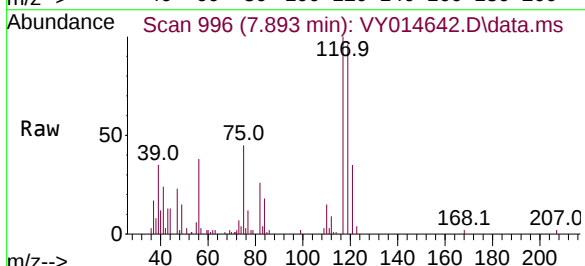
RT: 7.893 min Scan# 996

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

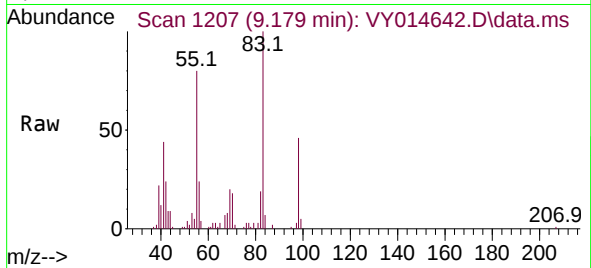
Tgt Ion:	117	Resp:	12700
Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.4	114.6
121	34.7	25.8	38.6





#39
Methylcyclohexane
Concen: 2.494 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

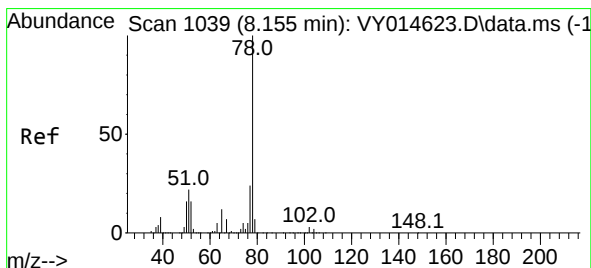
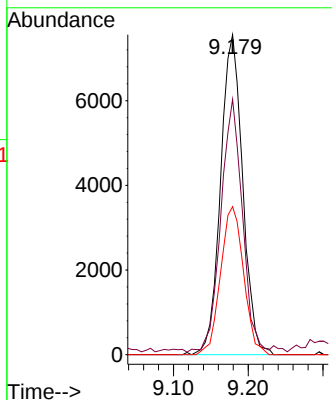
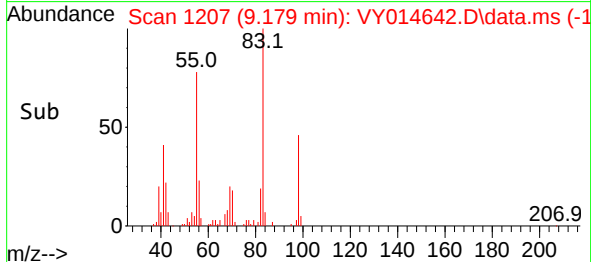
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 83 Resp: 15530
Ion Ratio Lower Upper
83 100
55 78.3 63.0 94.4
98 46.2 37.4 56.2

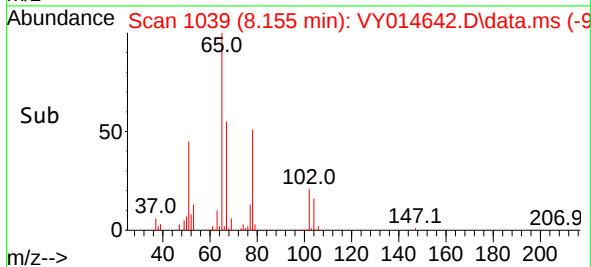
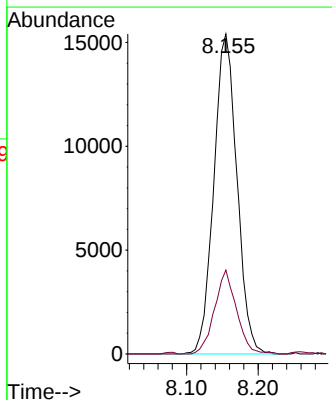
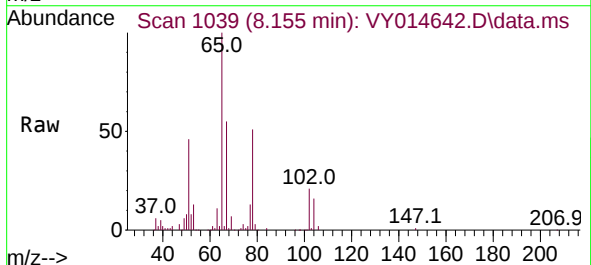
Manual Integrations
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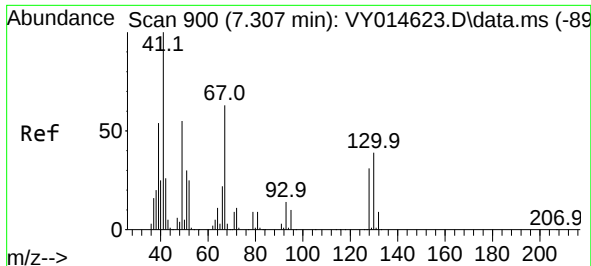
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#40
Benzene
Concen: 2.542 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

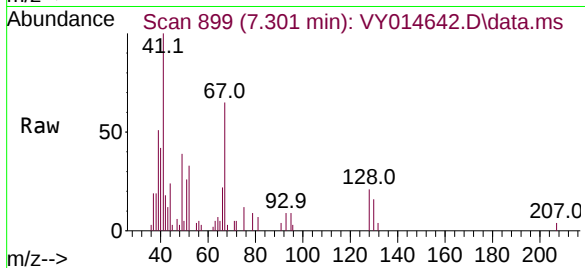
Tgt Ion: 78 Resp: 34560
Ion Ratio Lower Upper
78 100
77 26.2 19.0 28.6





#41
Methacrylonitrile
Concen: 2.041 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

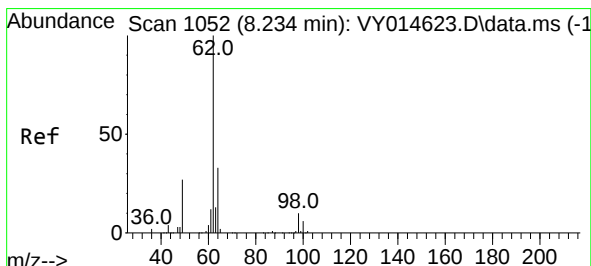
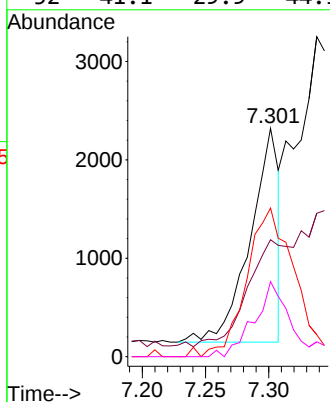
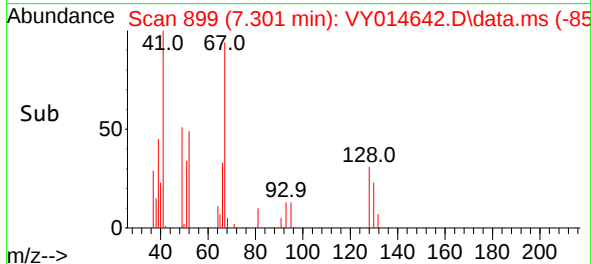
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 41 Resp: 3450
Ion Ratio Lower Upper
41 100
39 77.2 52.1 78.1
67 119.6 66.2 99.2
52 41.1 29.9 44.9

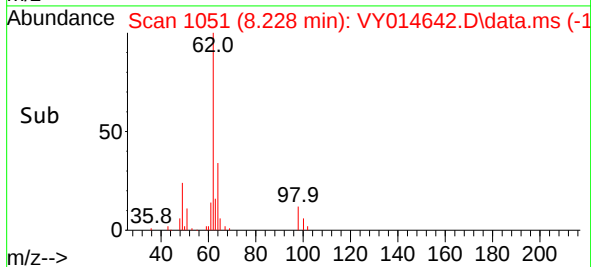
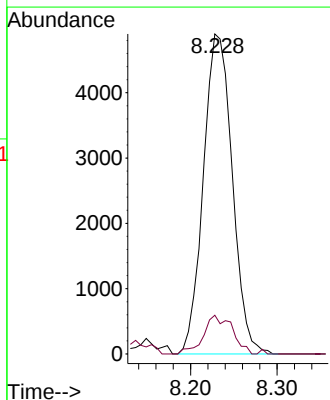
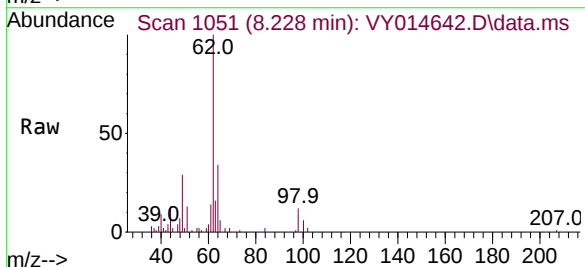
Manual Integrations
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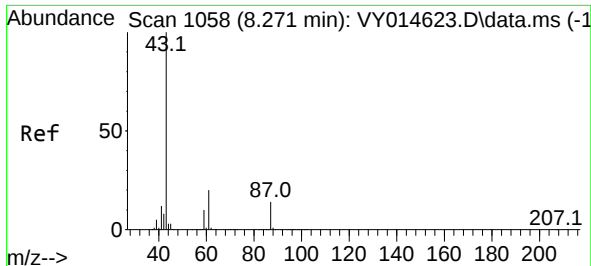
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#42
1,2-Dichloroethane
Concen: 2.642 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

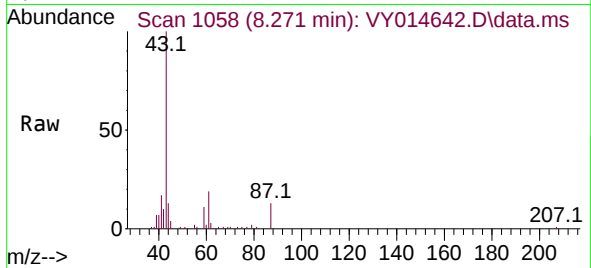
Tgt Ion: 62 Resp: 11373
Ion Ratio Lower Upper
62 100
98 12.0 0.0 15.8





#43
Isopropyl Acetate
Concen: 2.615 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

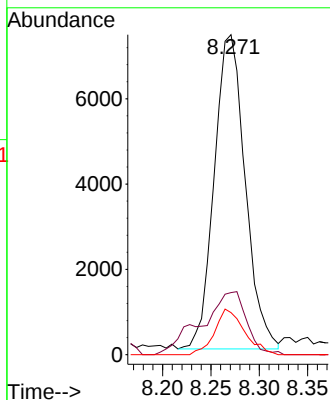
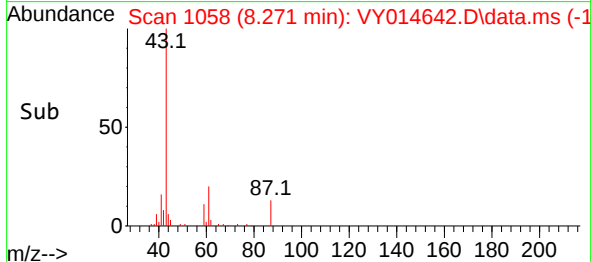
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 1639
Ion Ratio Lower Upper
43 100
61 21.5 21.1 31.7
87 13.9 9.8 14.8

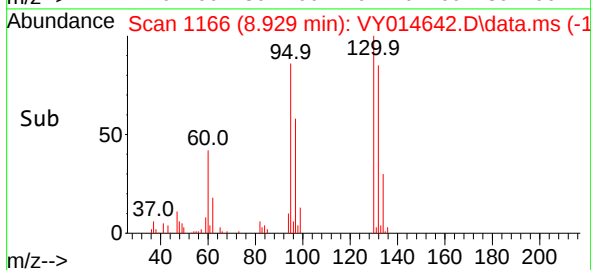
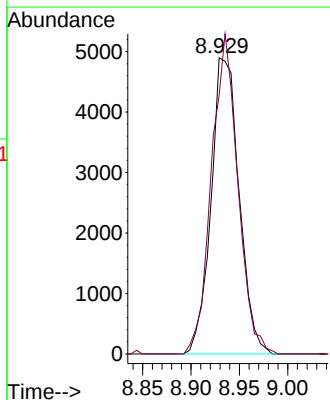
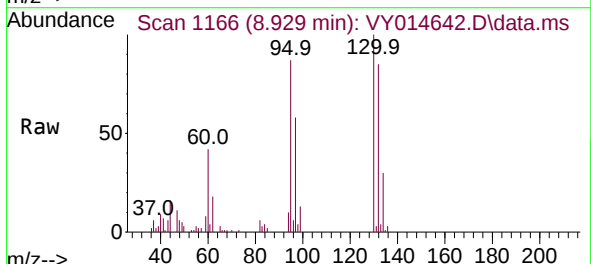
Manual Integrations
APPROVED

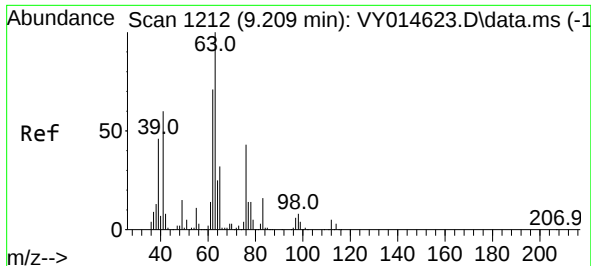
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#44
Trichloroethene
Concen: 2.593 ug/l
RT: 8.929 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:130 Resp: 9864
Ion Ratio Lower Upper
130 100
95 87.5 0.0 196.0





#45

1,2-Dichloropropane

Concen: 2.606 ug/l

RT: 9.210 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 63 Resp: 925

Ion Ratio Lower Upper

63 100

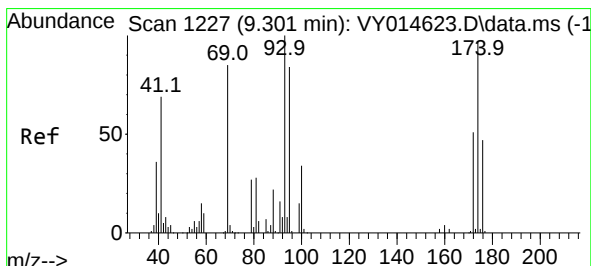
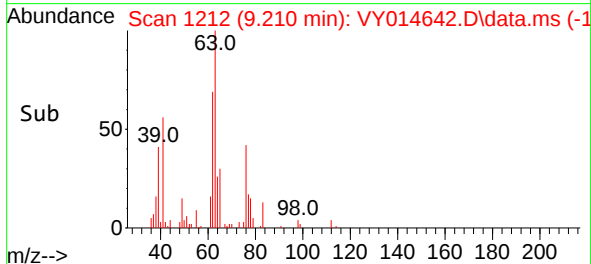
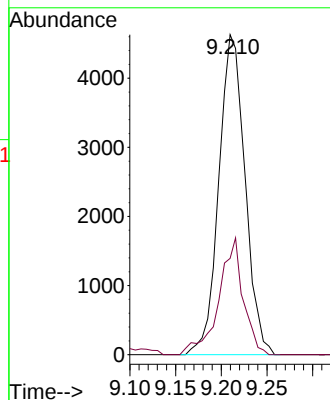
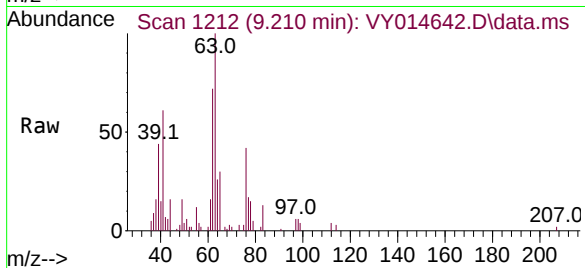
65 30.1 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#46

Dibromomethane

Concen: 2.689 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

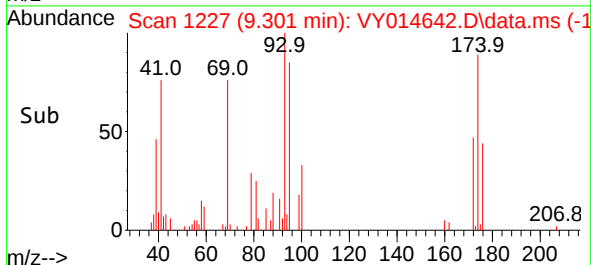
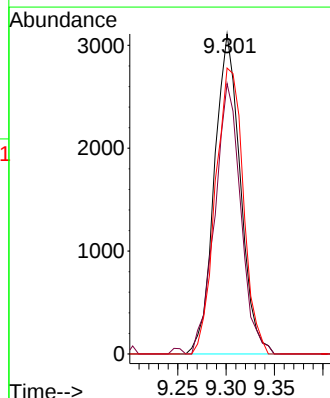
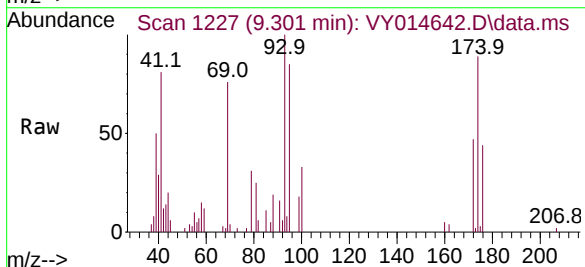
Tgt Ion: 93 Resp: 5791

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

174 95.7 84.8 127.2





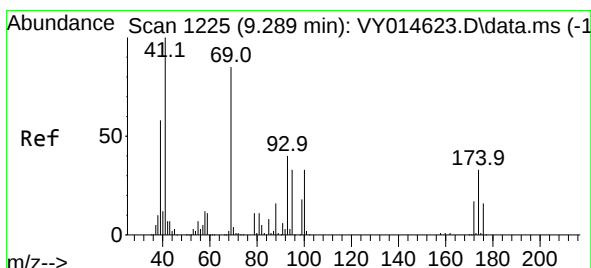
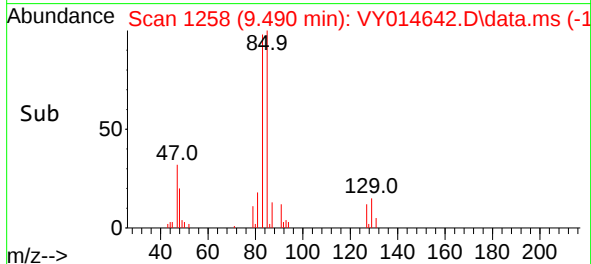
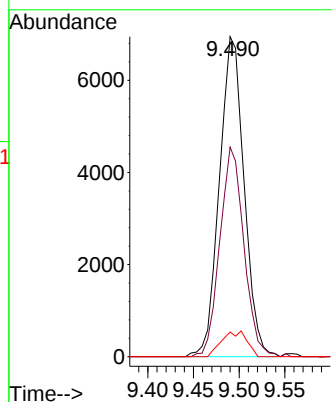
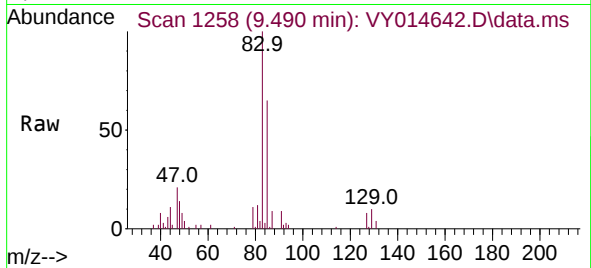
#47
Bromodichloromethane
Concen: 2.572 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 83 Resp: 1305
Ion Ratio Lower Upper
83 100
85 65.5 50.1 75.1
127 7.7 7.1 10.7

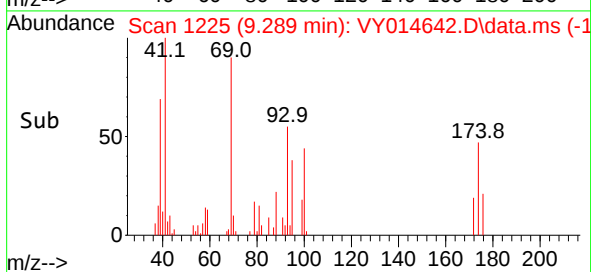
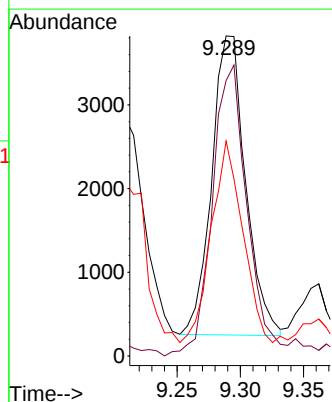
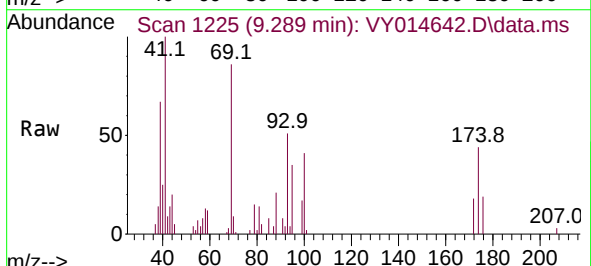
Manual Integrations
APPROVED

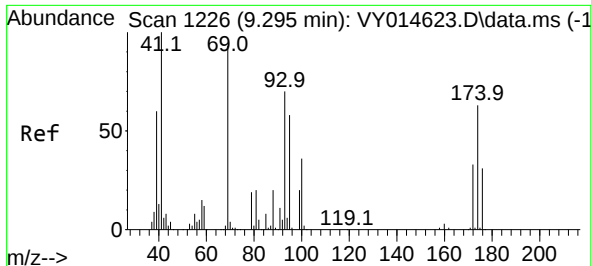
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#48
Methyl methacrylate
Concen: 2.358 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 41 Resp: 6652
Ion Ratio Lower Upper
41 100
69 99.9 64.5 96.7#
39 65.8 50.8 76.2





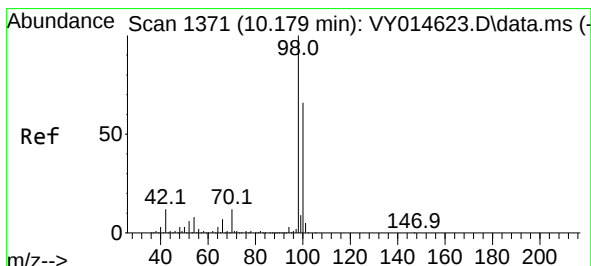
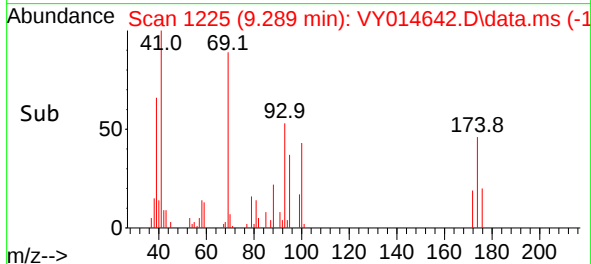
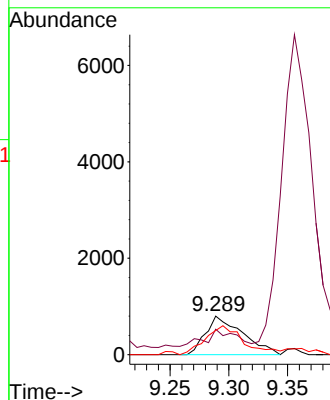
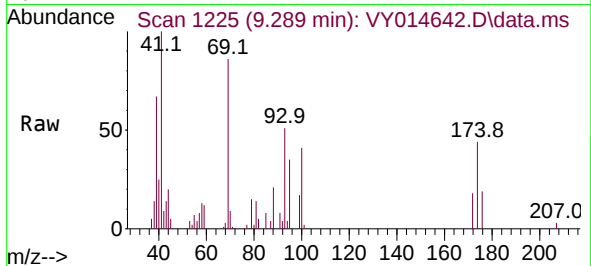
#49
1,4-Dioxane
Concen: 49.946 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 88 Resp: 1754
Ion Ratio Lower Upper
88 100
43 42.0 0.0 0.0
58 77.3 30.9 46.3

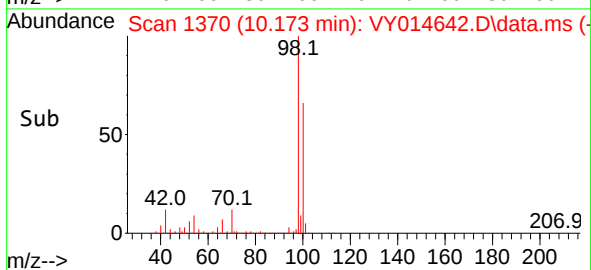
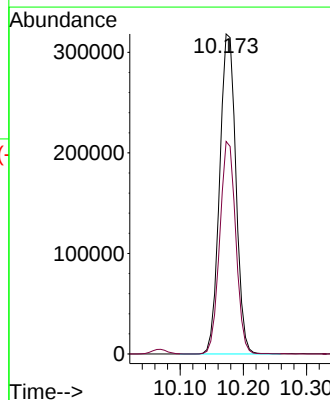
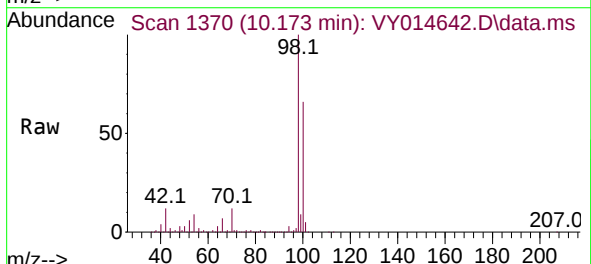
Manual Integrations
APPROVED

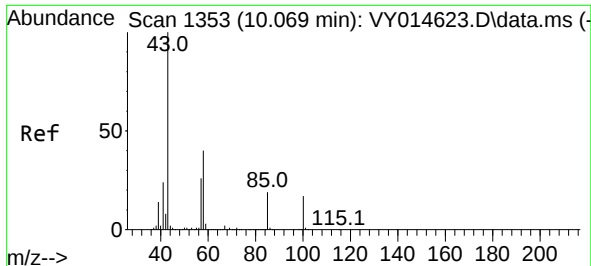
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#50
Toluene-d8
Concen: 47.933 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 98 Resp: 564897
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1





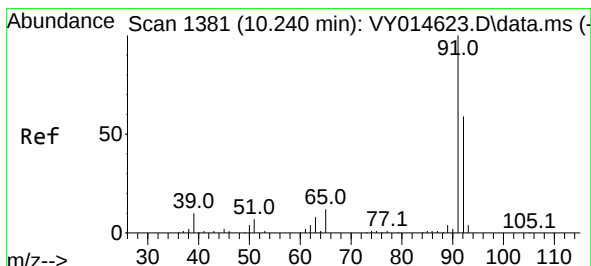
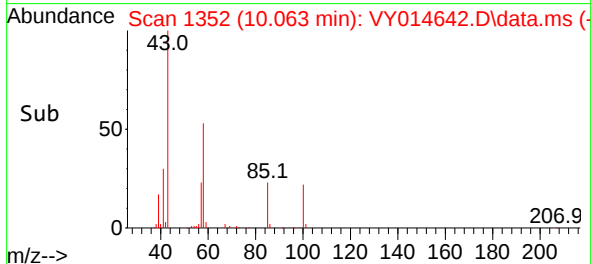
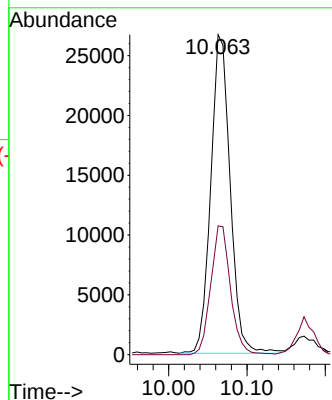
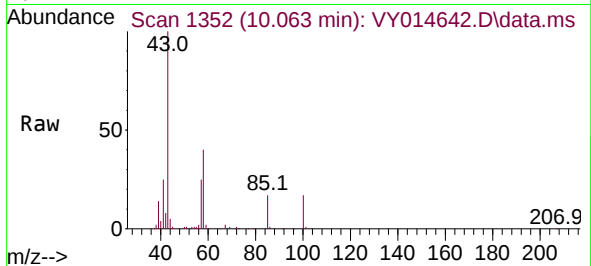
#51
4-Methyl-2-Pentanone
Concen: 13.929 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 4585
Ion Ratio Lower Upper
43 100
58 41.2 29.0 43.6

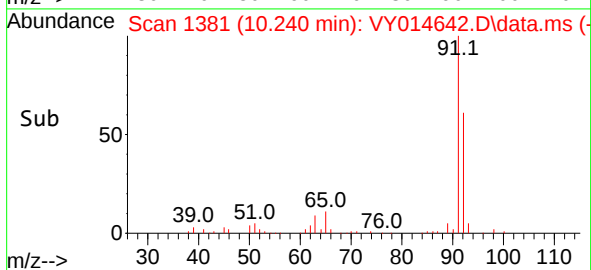
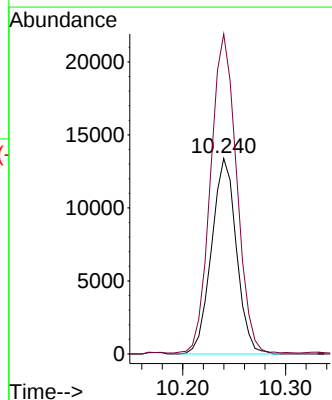
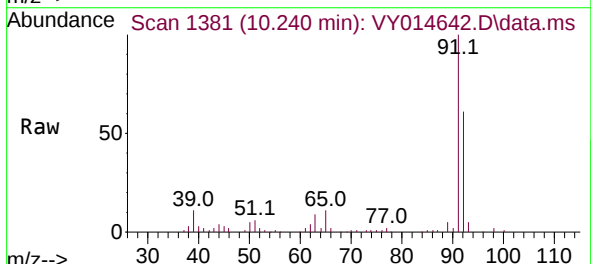
Manual Integrations
APPROVED

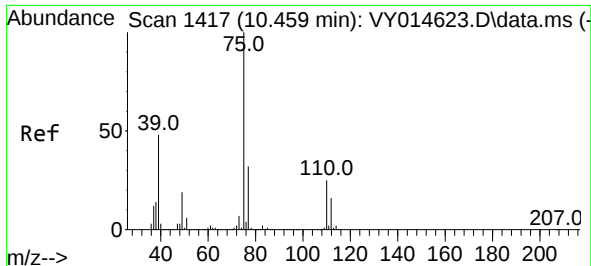
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#52
Toluene
Concen: 2.585 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

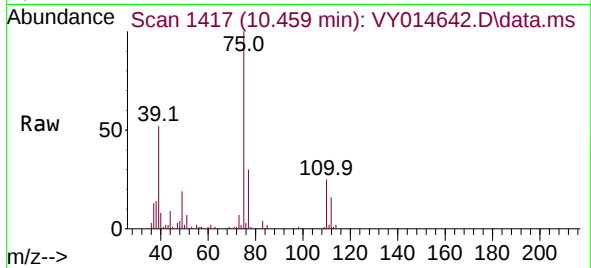
Tgt Ion: 92 Resp: 22489
Ion Ratio Lower Upper
92 100
91 170.4 143.8 215.6





#53
t-1,3-Dichloropropene
Concen: 2.526 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

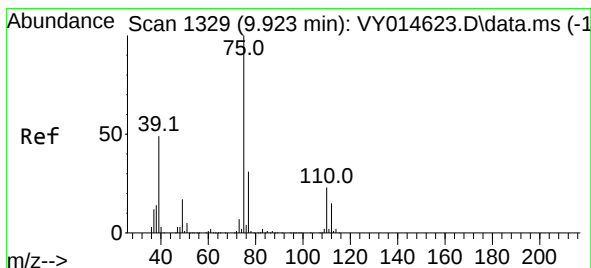
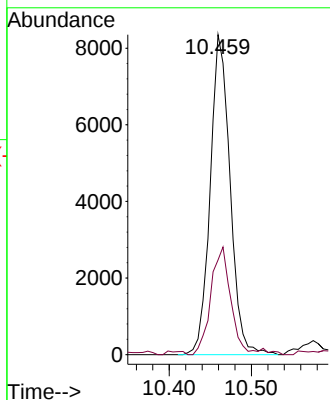
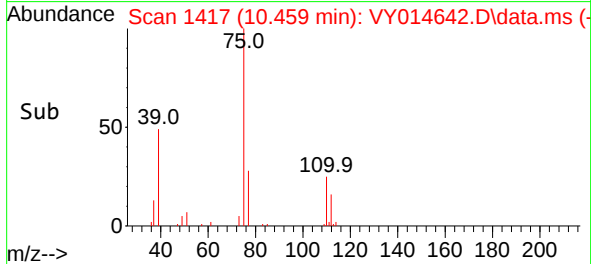
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 75 Resp: 14024
Ion Ratio Lower Upper
75 100
77 28.7 25.0 37.4

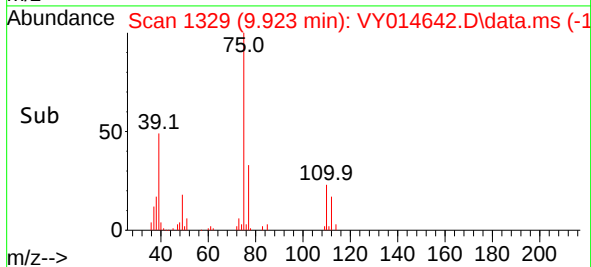
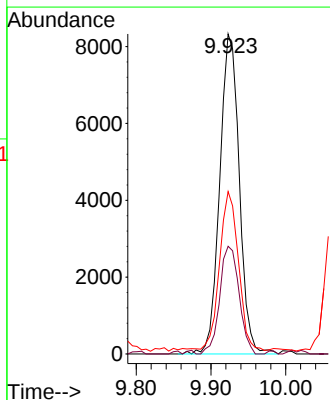
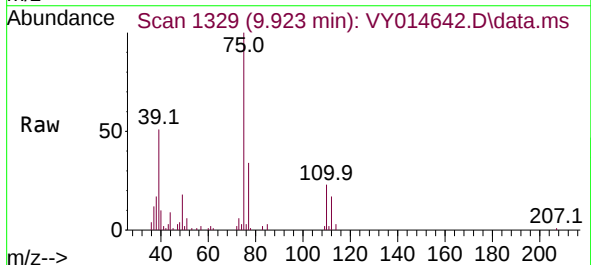
Manual Integrations
APPROVED

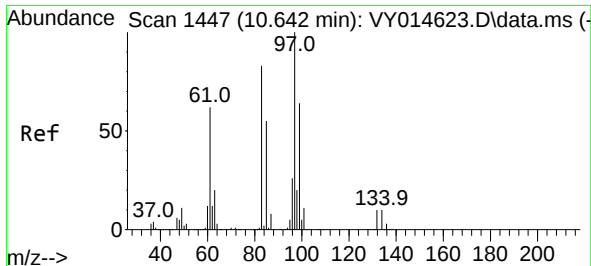
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#54
cis-1,3-Dichloropropene
Concen: 2.510 ug/l
RT: 9.923 min Scan# 1329
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

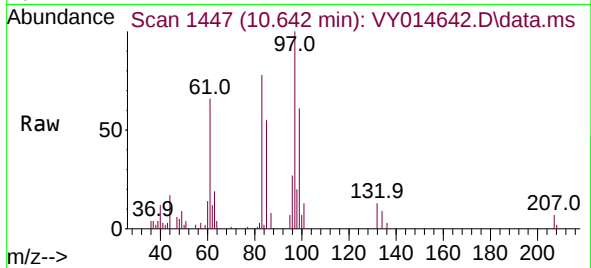
Tgt Ion: 75 Resp: 15153
Ion Ratio Lower Upper
75 100
77 33.7 24.2 36.4
39 49.4 42.2 63.4





#55
1,1,2-Trichloroethane
Concen: 2.758 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

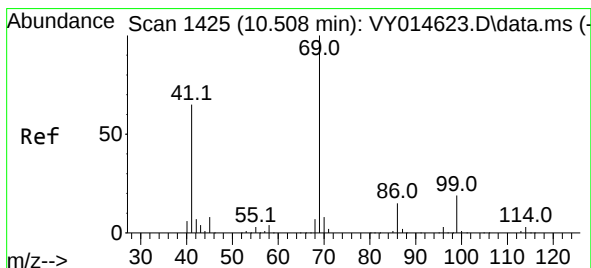
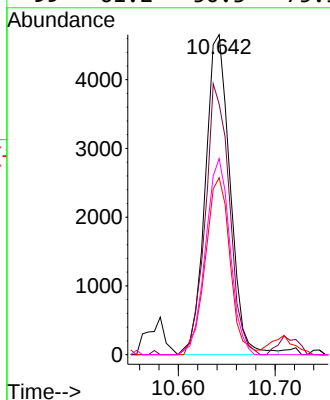
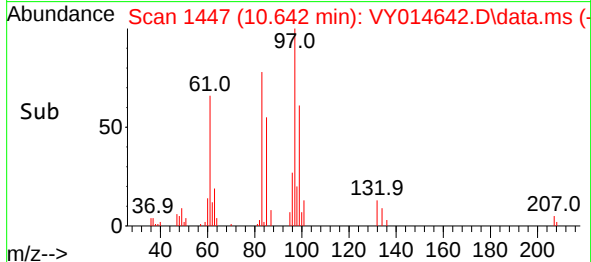
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.3	72.0	108.0
85	55.3	45.4	68.0
99	61.2	50.3	75.5

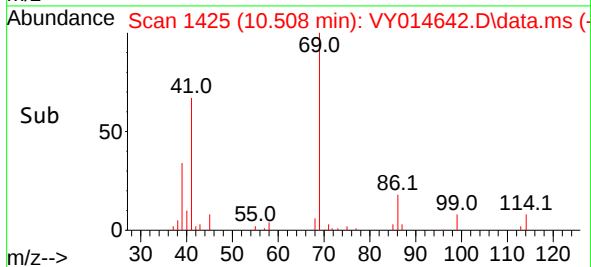
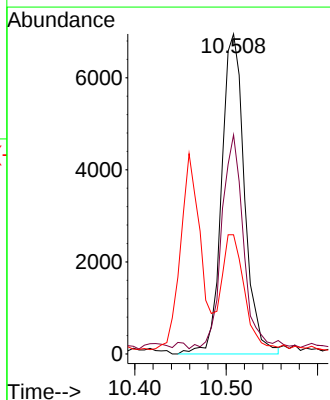
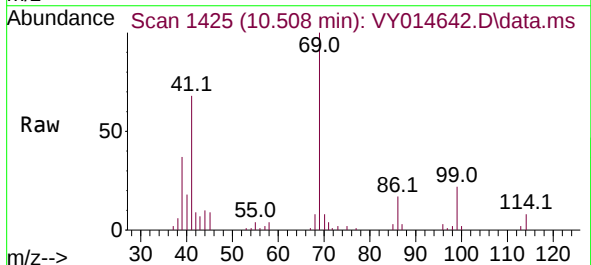
Manual Integrations
APPROVED

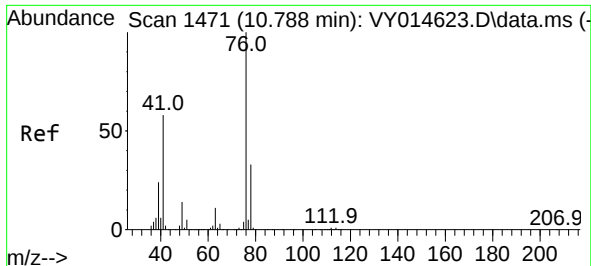
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#56
Ethyl methacrylate
Concen: 2.641 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	57.6	86.4
39	34.8	34.1	51.1





#57

1,3-Dichloropropane

Concen: 2.685 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 76 Resp: 13894

Ion Ratio Lower Upper

76 100

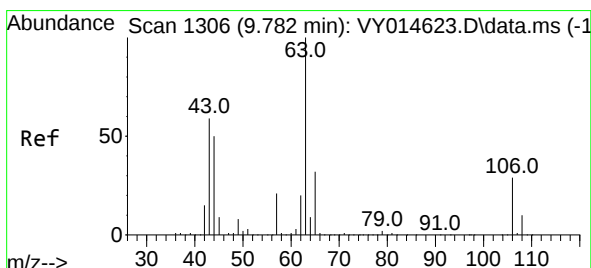
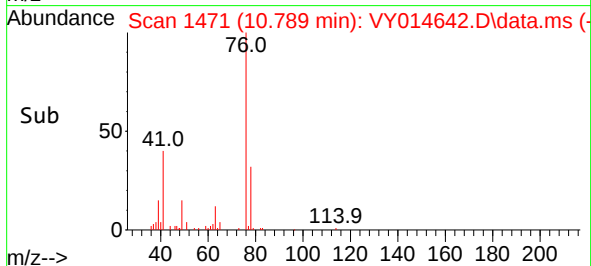
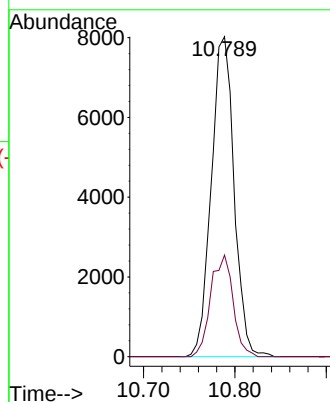
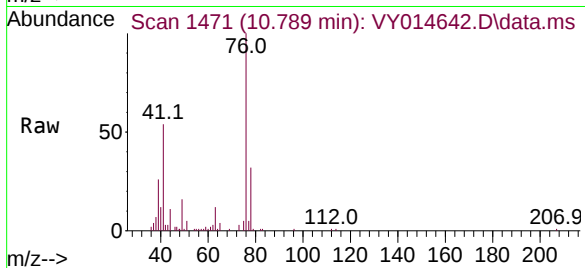
78 31.1 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 10.557 ug/l

RT: 9.777 min Scan# 1305

Delta R.T. -0.005 min

Lab File: VY014642.D

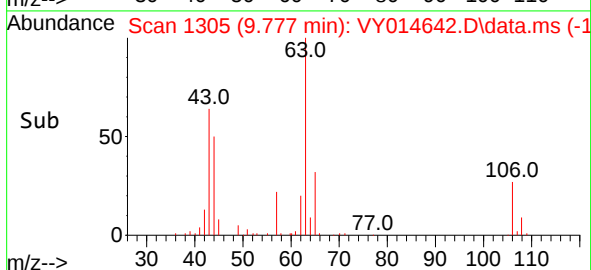
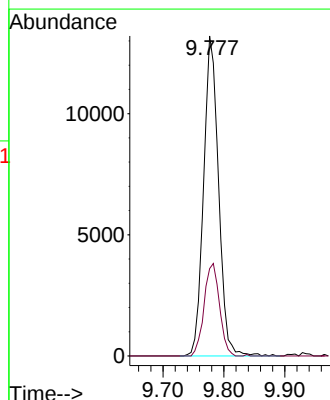
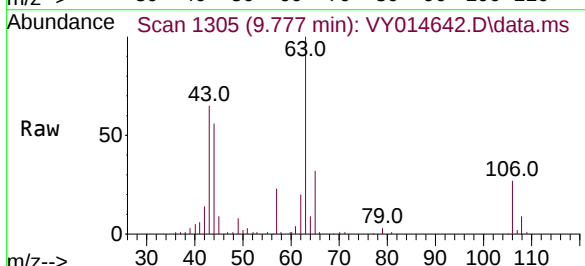
Acq: 14 Jul 2023 13:04

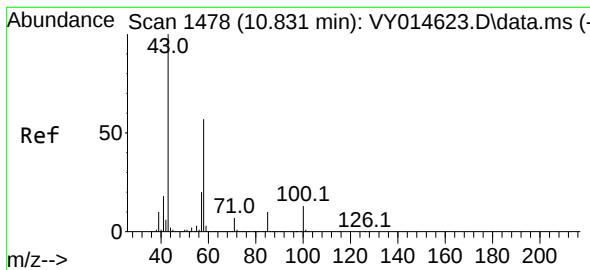
Tgt Ion: 63 Resp: 22532

Ion Ratio Lower Upper

63 100

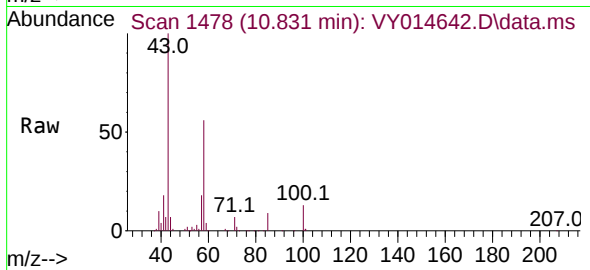
106 29.7 21.2 31.8





#59
2-Hexanone
Concen: 13.609 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

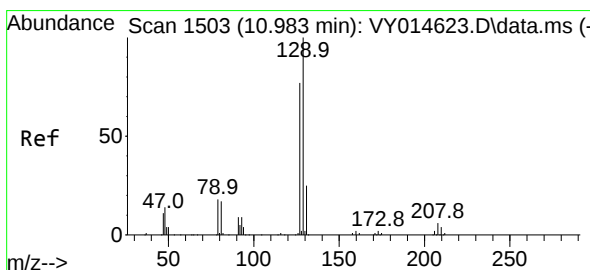
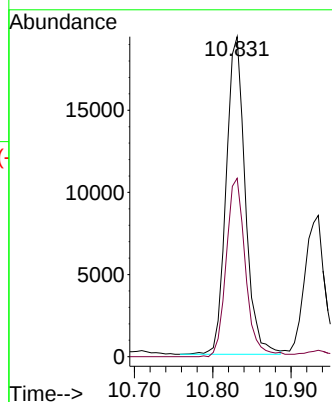
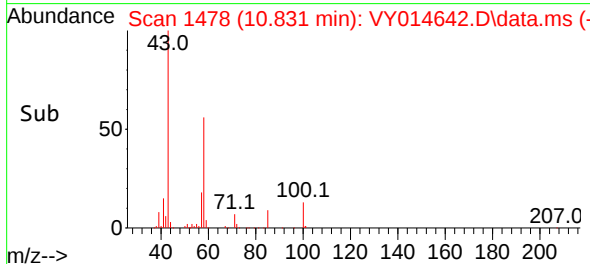
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 32670
Ion Ratio Lower Upper
43 100
58 57.1 25.1 75.3

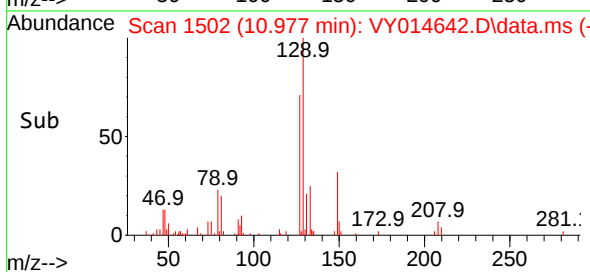
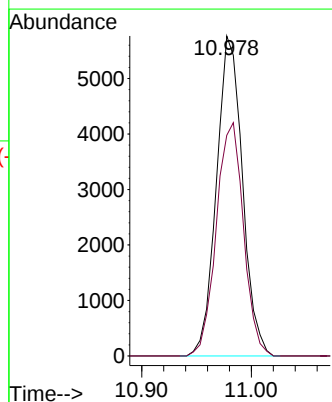
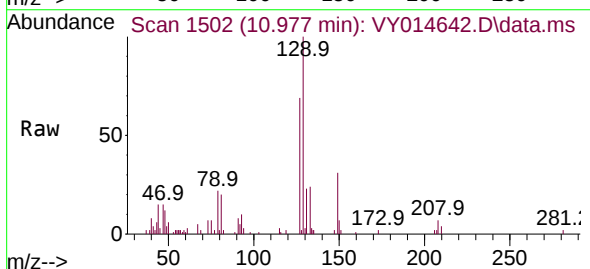
Manual Integrations
APPROVED

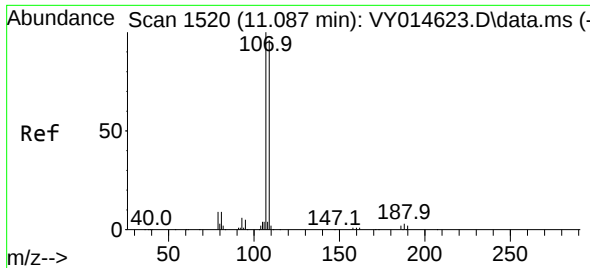
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#60
Dibromochloromethane
Concen: 2.587 ug/l
RT: 10.977 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:129 Resp: 9515
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





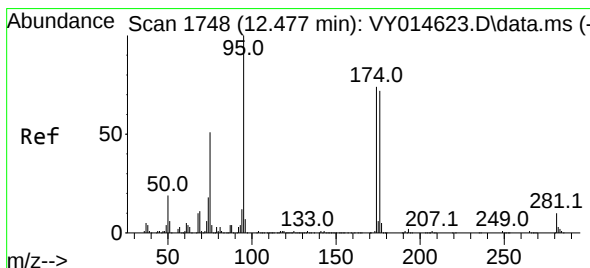
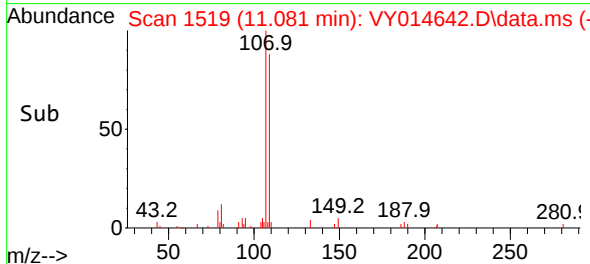
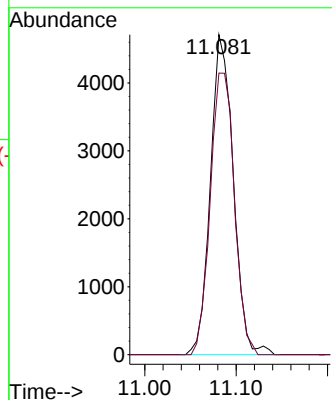
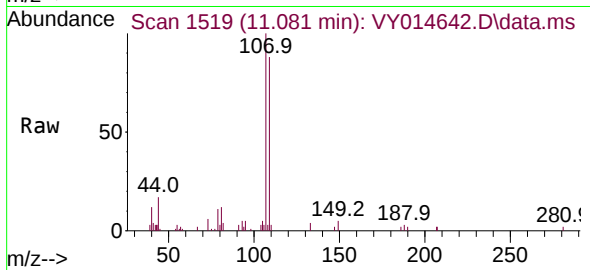
#61
1,2-Dibromoethane
Concen: 2.730 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:107 Resp: 8169
Ion Ratio Lower Upper
107 100
109 93.1 75.6 113.4

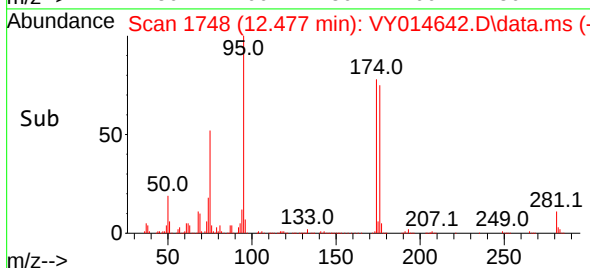
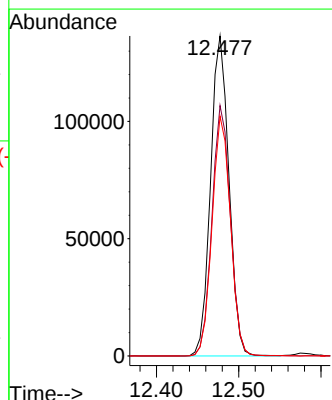
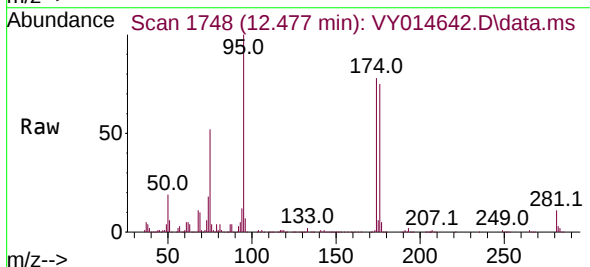
Manual Integrations
APPROVED

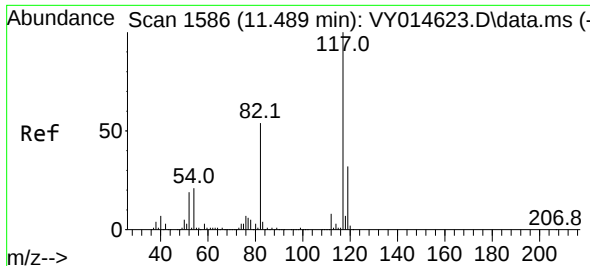
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#62
4-Bromofluorobenzene
Concen: 46.886 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

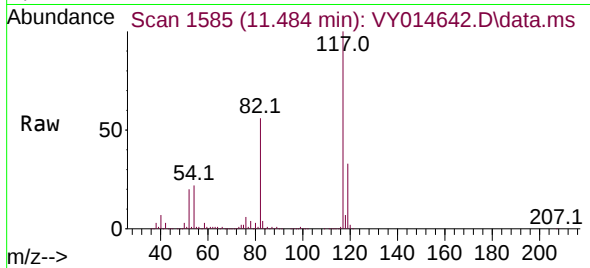
Tgt Ion: 95 Resp: 211869
Ion Ratio Lower Upper
95 100
174 78.2 0.0 178.2
176 75.1 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.005 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

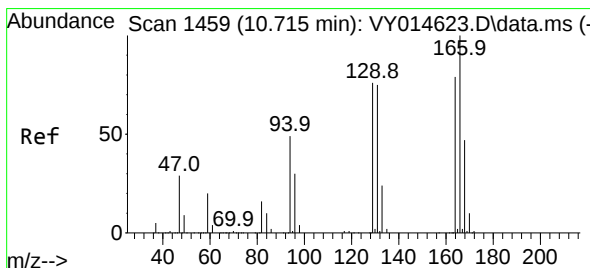
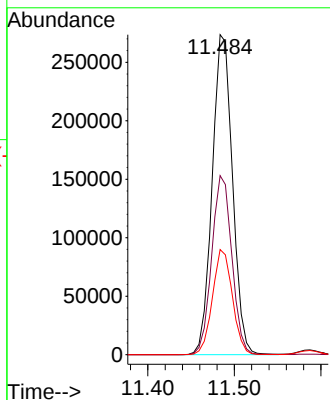
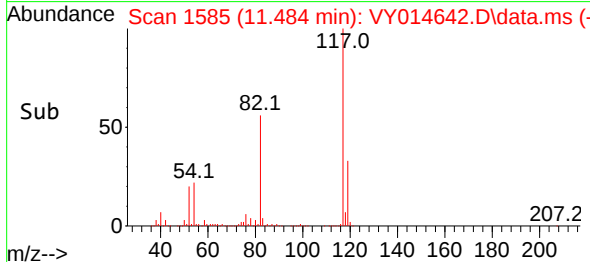
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:117 Resp: 445408
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.8 26.3 39.5

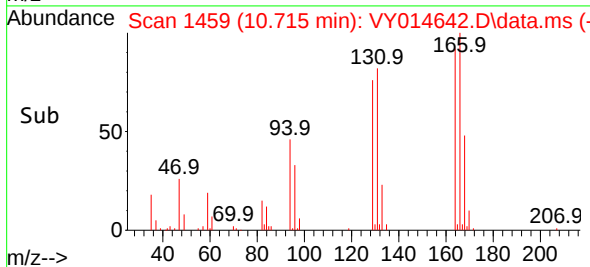
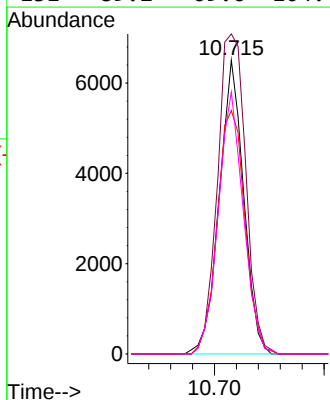
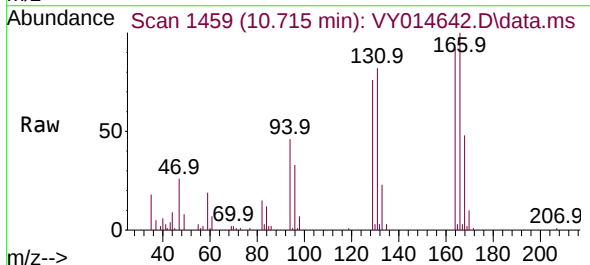
Manual Integrations
APPROVED

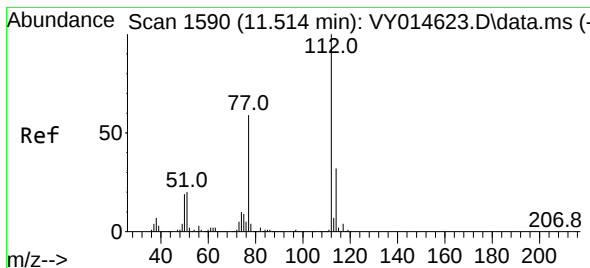
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#64
Tetrachloroethene
Concen: 2.806 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:164 Resp: 10051
Ion Ratio Lower Upper
164 100
166 108.9 103.0 154.6
129 82.8 77.2 115.8
131 89.2 69.6 104.4





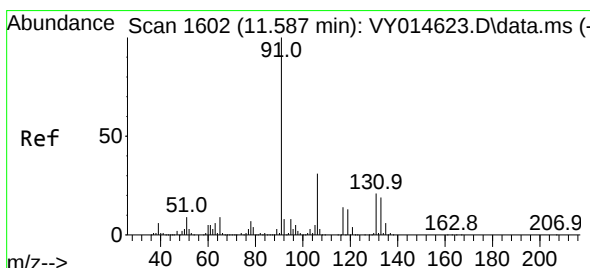
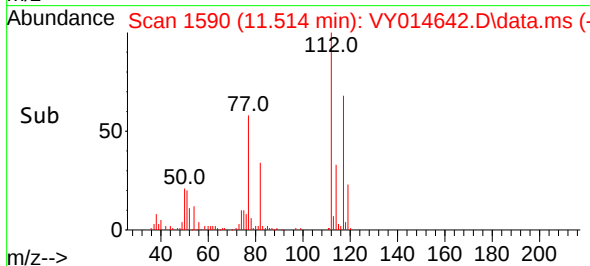
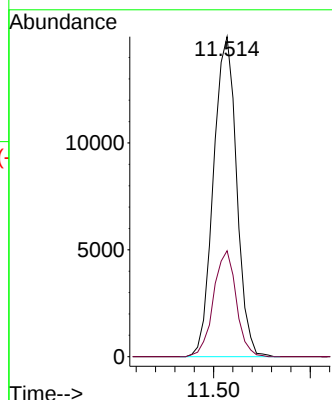
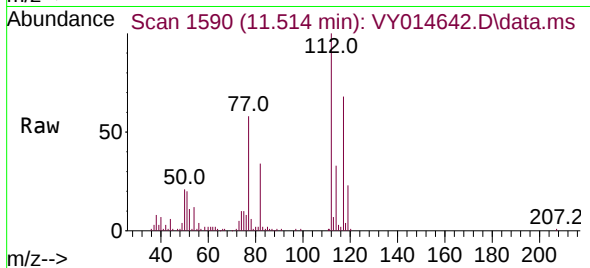
#65
Chlorobenzene
Concen: 2.624 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:112 Resp: 24904
Ion Ratio Lower Upper
112 100
114 33.1 25.5 38.3

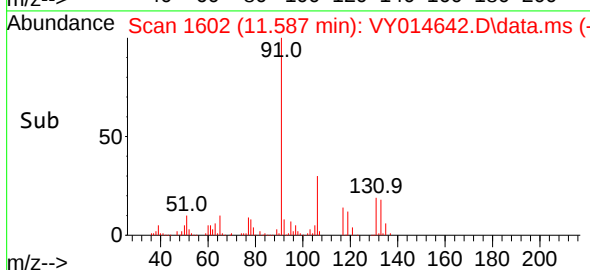
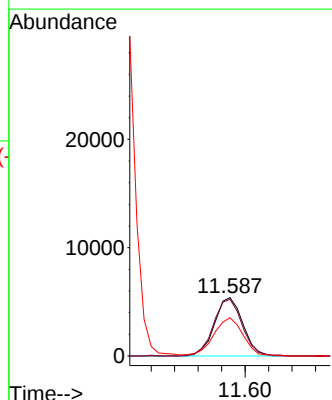
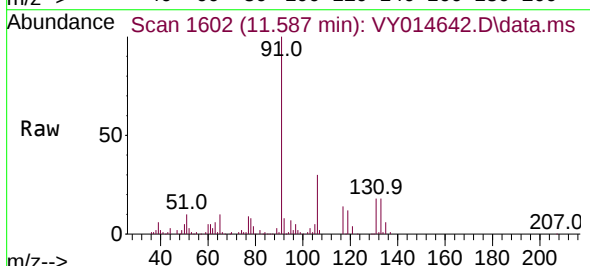
Manual Integrations
APPROVED

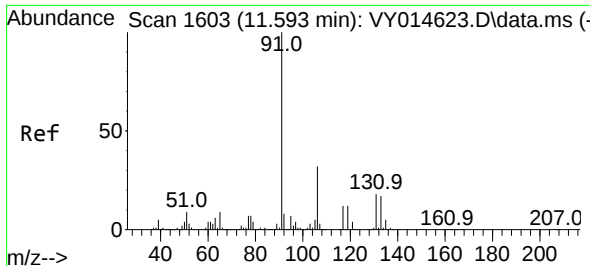
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.505 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:131 Resp: 8963
Ion Ratio Lower Upper
131 100
133 99.6 47.5 142.6
119 68.6 31.6 94.7





#67

Ethyl Benzene

Concen: 2.612 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 44768

Ion Ratio Lower Upper

91 100

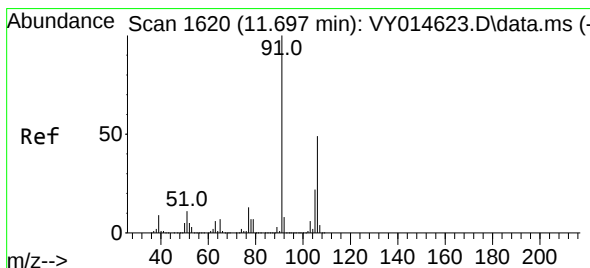
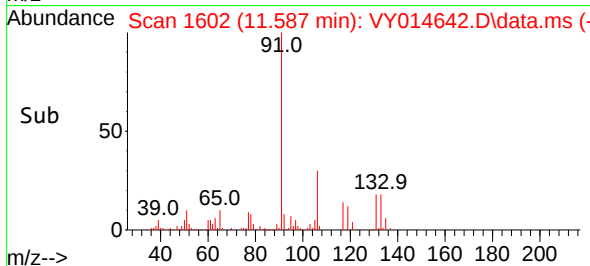
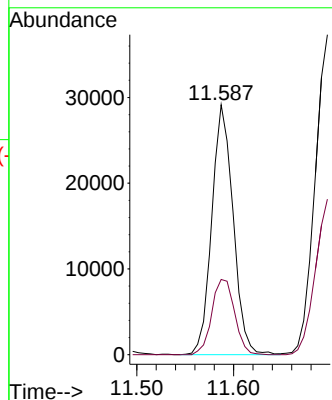
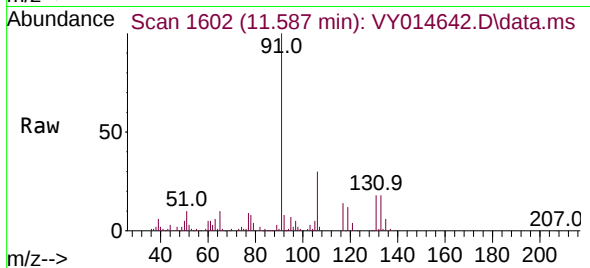
106 30.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#68

m/p-Xylenes

Concen: 5.173 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014642.D

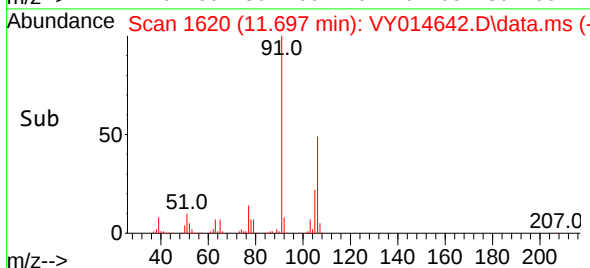
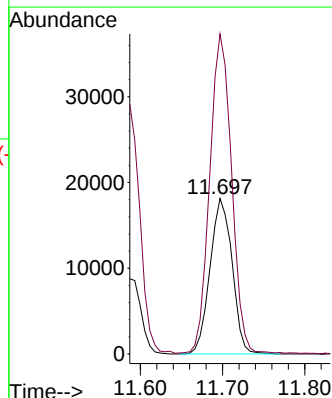
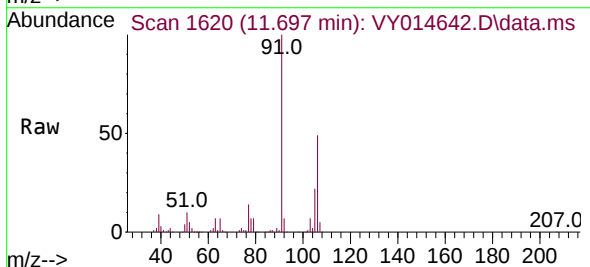
Acq: 14 Jul 2023 13:04

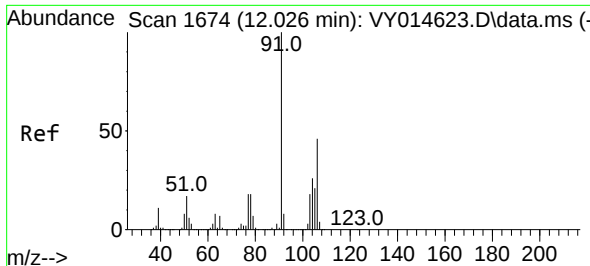
Tgt Ion:106 Resp: 33839

Ion Ratio Lower Upper

106 100

91 205.6 166.1 249.1





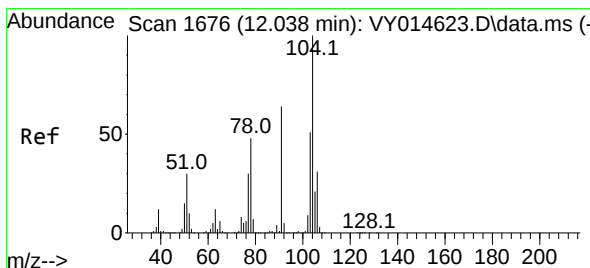
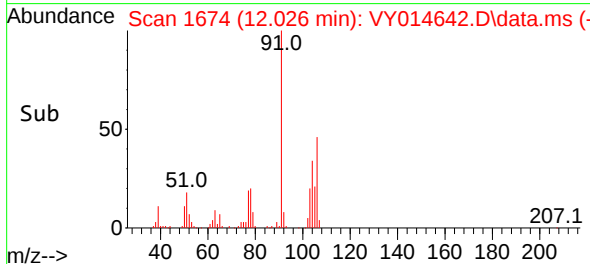
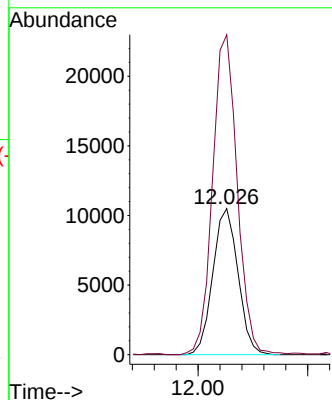
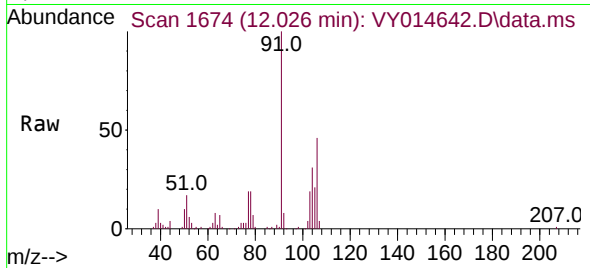
#69
o-Xylene
Concen: 2.627 ug/l
RT: 12.026 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:106 Resp: 16738
Ion Ratio Lower Upper
106 100
91 214.7 108.1 324.3

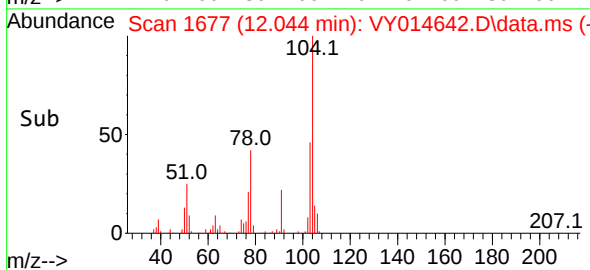
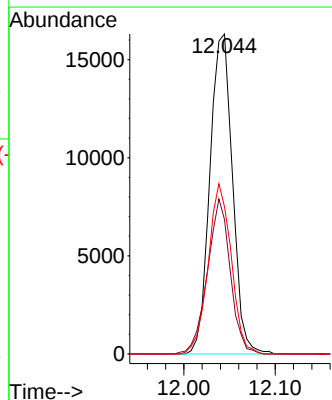
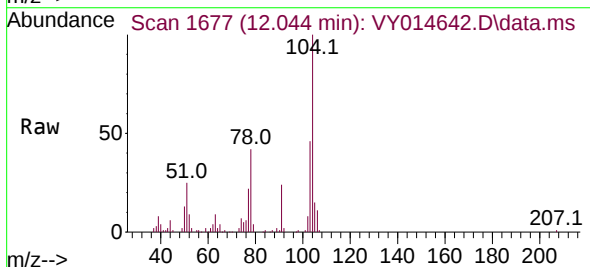
Manual Integrations
APPROVED

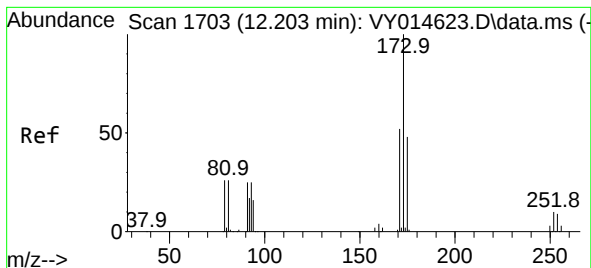
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#70
Styrene
Concen: 2.606 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:104 Resp: 27981
Ion Ratio Lower Upper
104 100
78 48.9 41.5 62.3
103 54.4 44.6 67.0





#71

Bromoform

Concen: 2.569 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

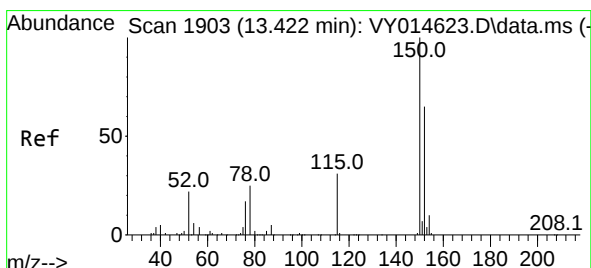
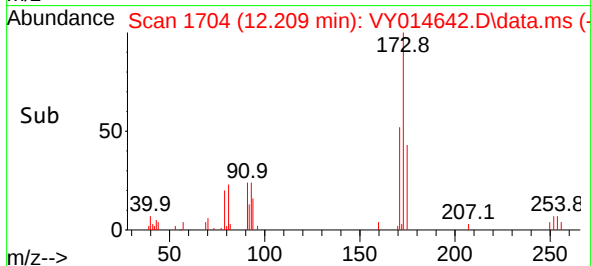
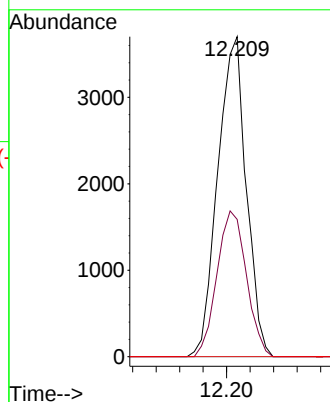
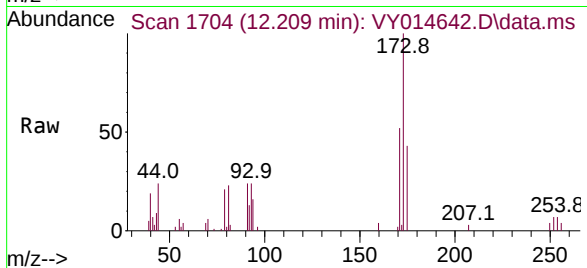
Tgt Ion:173 Resp: 623
 Ion Ratio Lower Upper
 173 100
 175 47.1 24.6 73.8
 254 0.0 0.2 0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

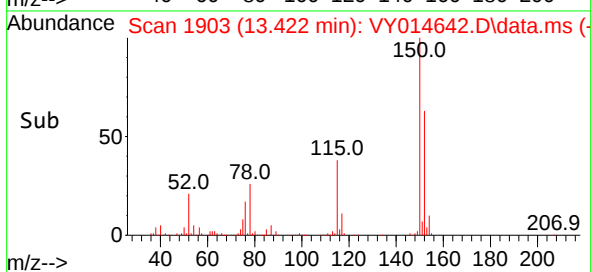
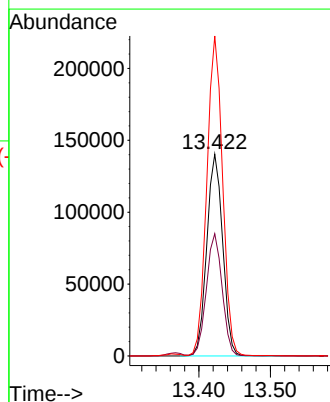
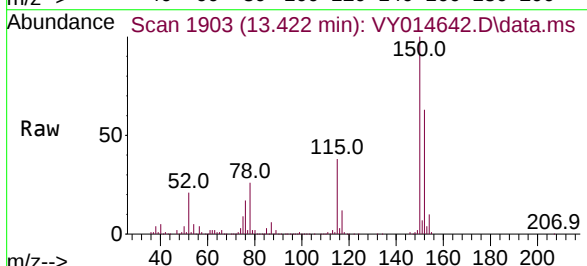
RT: 13.422 min Scan# 1903

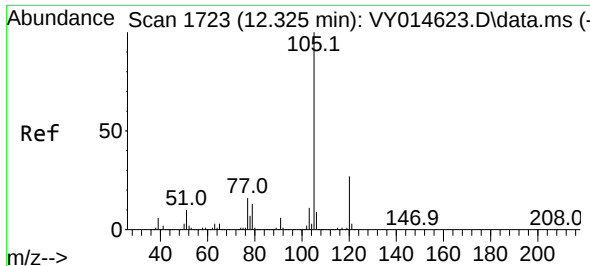
Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

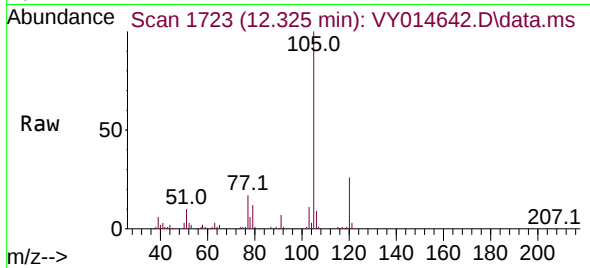
Tgt Ion:152 Resp: 216108
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.8 86.5
 150 157.5 0.0 348.8





#73
Isopropylbenzene
Concen: 2.614 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

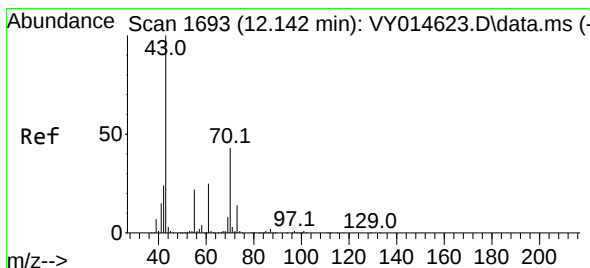
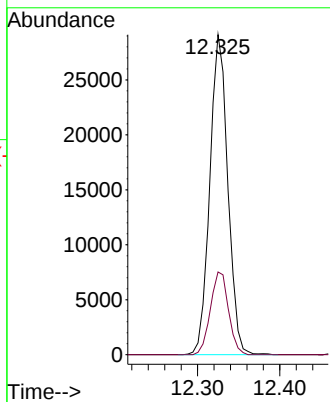
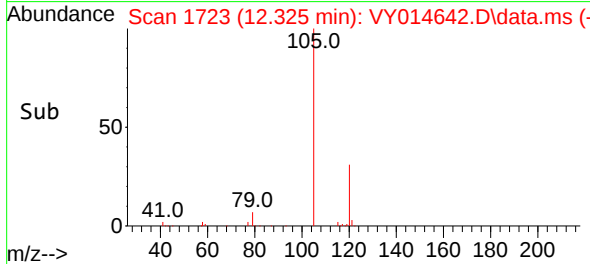
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



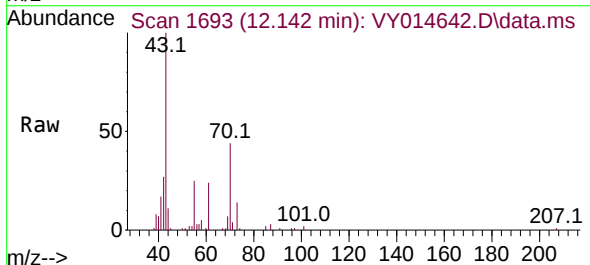
Tgt Ion: 105 Resp: 44239
Ion Ratio Lower Upper
105 100
120 25.9 13.3 39.9

Manual Integrations
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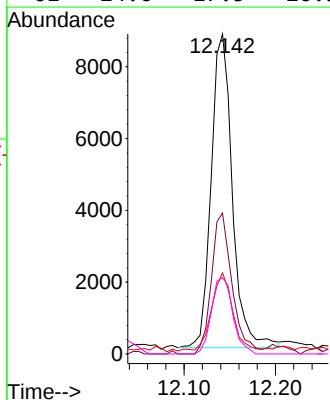
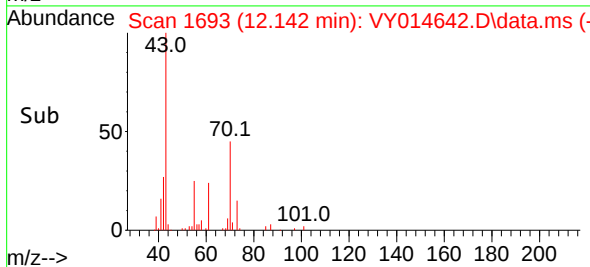
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

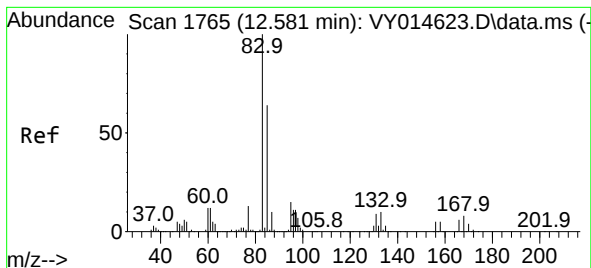


#74
N-ethyl acetate
Concen: 2.477 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04



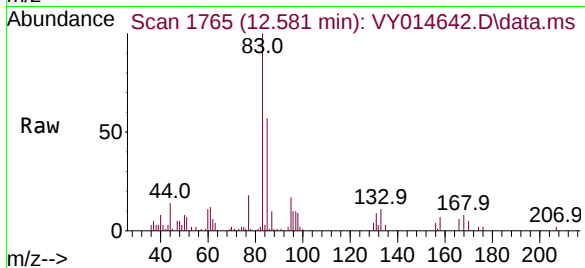
Tgt Ion: 43 Resp: 14040
Ion Ratio Lower Upper
43 100
70 43.8 29.7 44.5
55 24.7 18.3 27.5
61 24.6 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 2.755 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

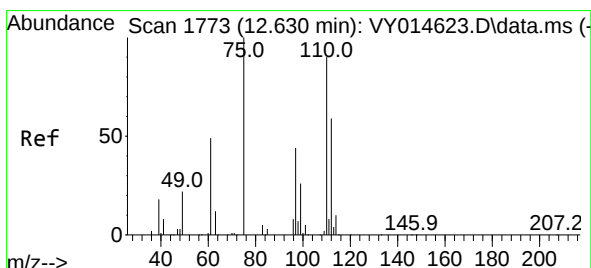
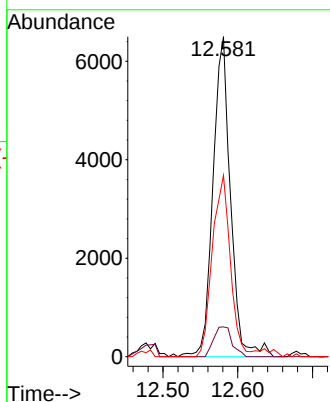
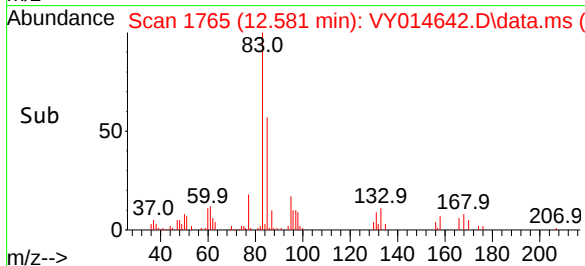
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



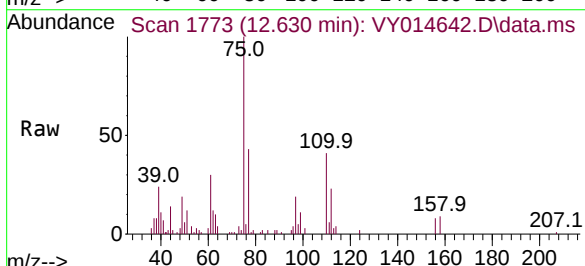
Tgt Ion: 83 Resp: 10630
Ion Ratio Lower Upper
83 100
131 9.7 5.4 16.2
85 58.0 31.8 95.4

Manual Integrations
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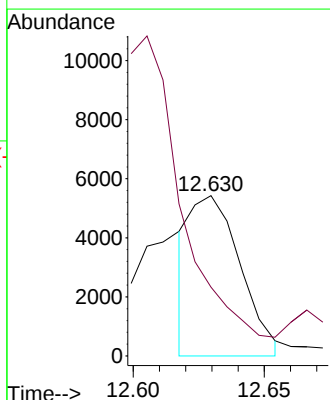
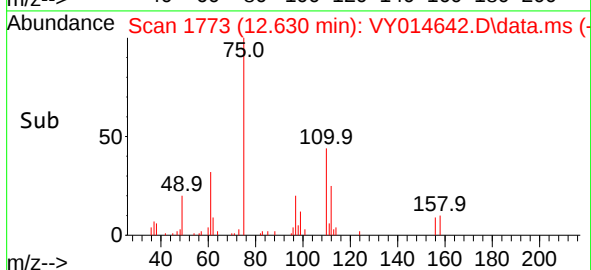
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

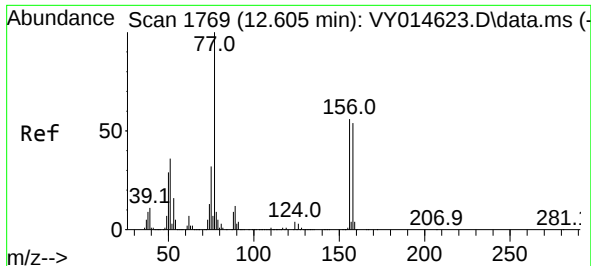


#76
1,2,3-Trichloropropane
Concen: 2.637 ug/l m
RT: 12.630 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04



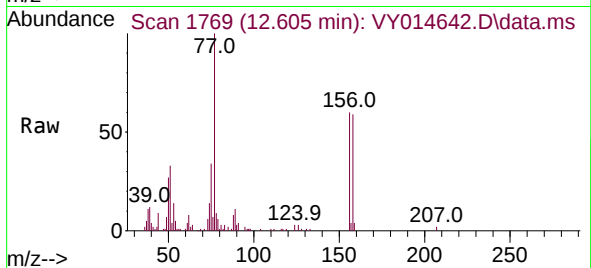
Tgt Ion: 75 Resp: 7198
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 2.571 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

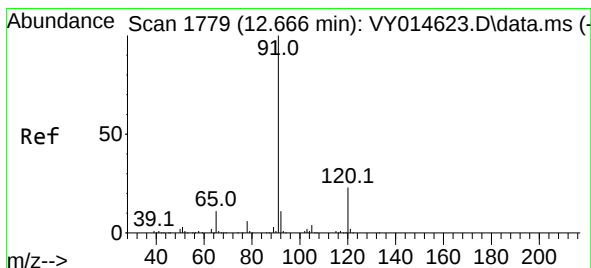
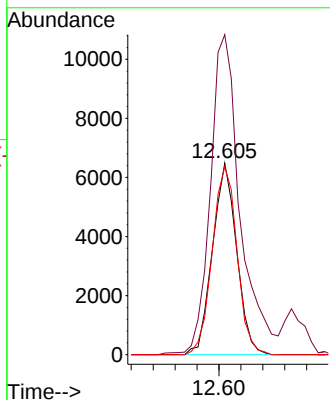
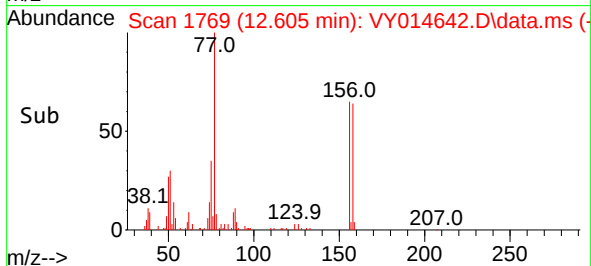
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



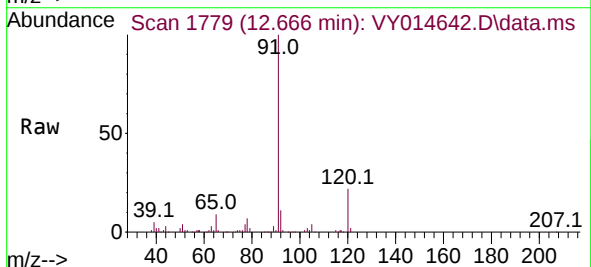
Tgt Ion:156 Resp: 9929
Ion Ratio Lower Upper
156 100
77 206.0 92.8 278.6
158 100.8 48.4 145.3

Manual Integrations
APPROVED

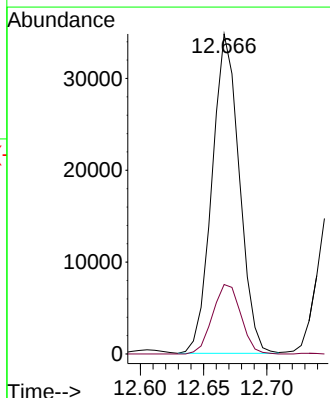
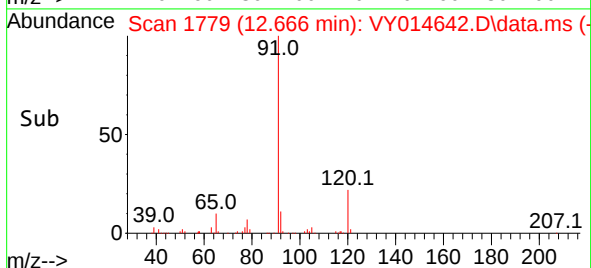
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

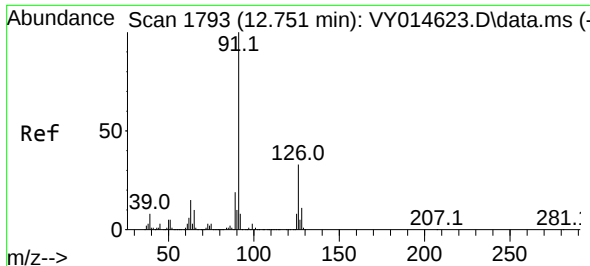


#78
n-propylbenzene
Concen: 2.564 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04



Tgt Ion: 91 Resp: 52275
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4





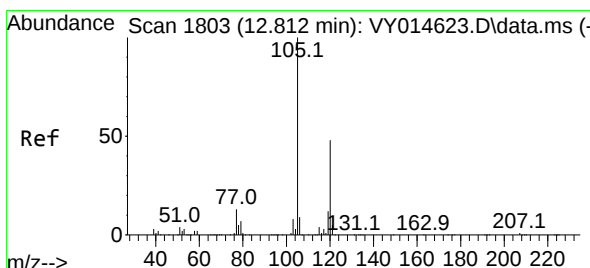
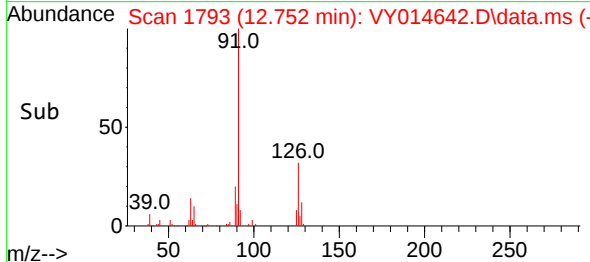
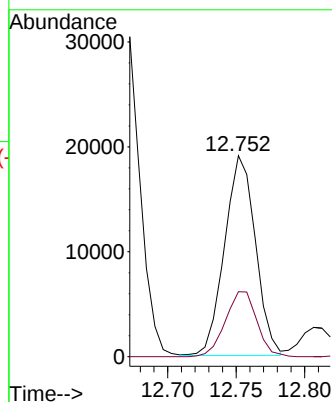
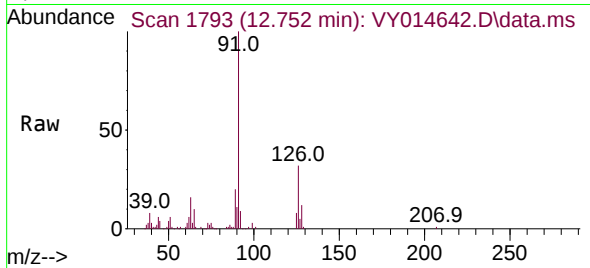
#79
2-Chlorotoluene
Concen: 2.551 ug/l
RT: 12.752 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 29962
Ion Ratio Lower Upper
91 100
126 33.1 17.3 51.7

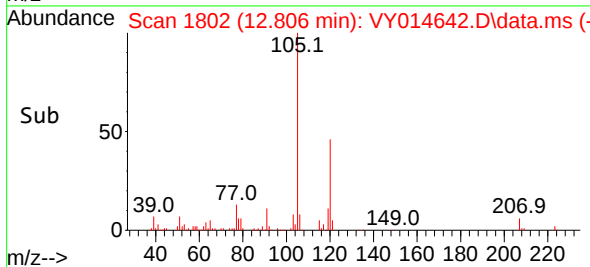
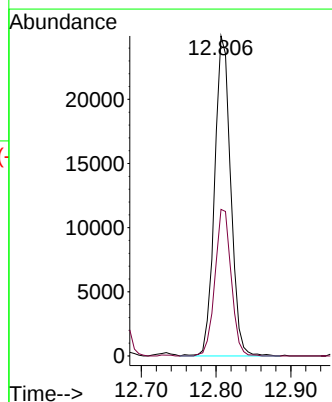
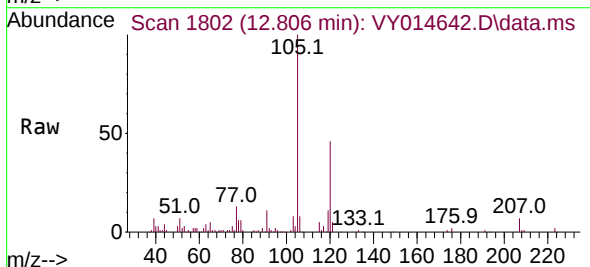
Manual Integrations
APPROVED

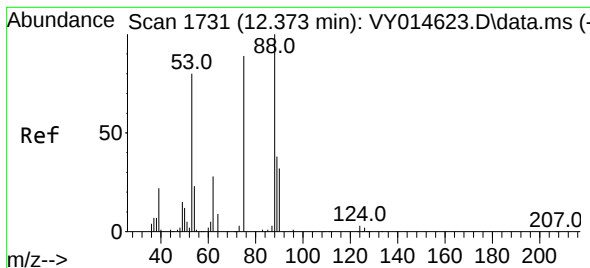
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#80
1,3,5-Trimethylbenzene
Concen: 2.650 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

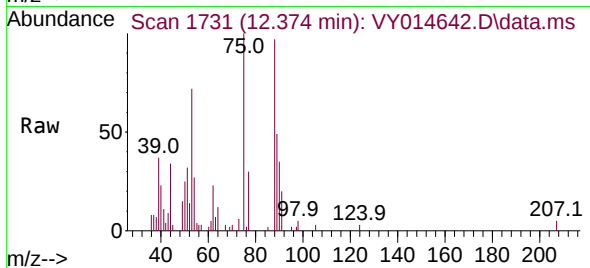
Tgt Ion:105 Resp: 37445
Ion Ratio Lower Upper
105 100
120 46.1 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 2.554 ug/l
RT: 12.374 min Scan# 1731
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

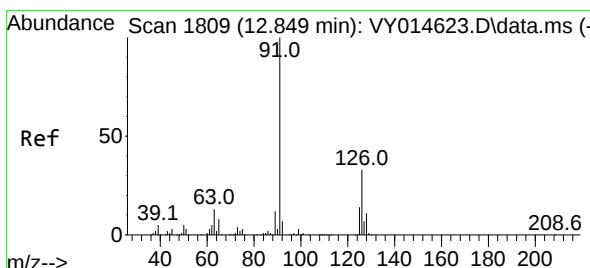
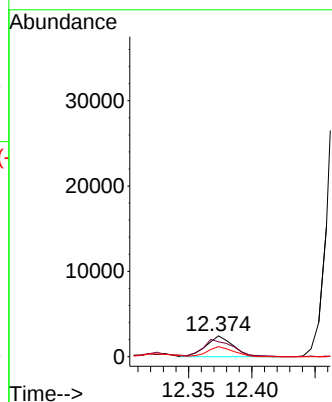
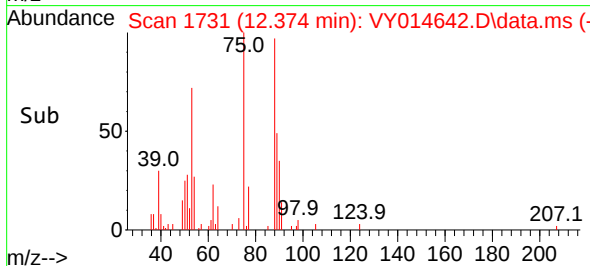
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 75 Resp: 360
Ion Ratio Lower Upper
75 100
53 91.5 77.8 116.8
89 45.6 37.4 56.0

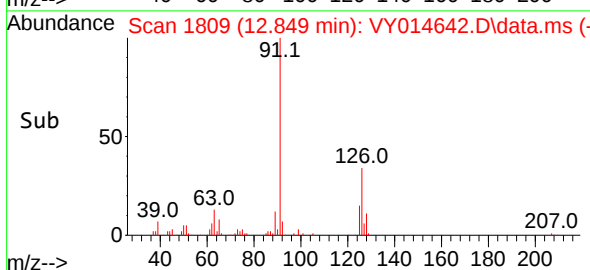
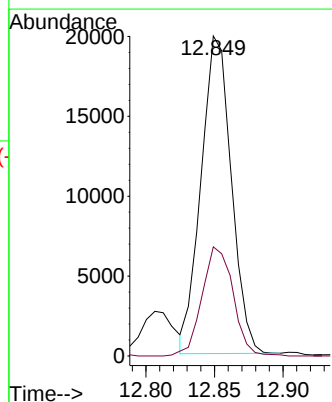
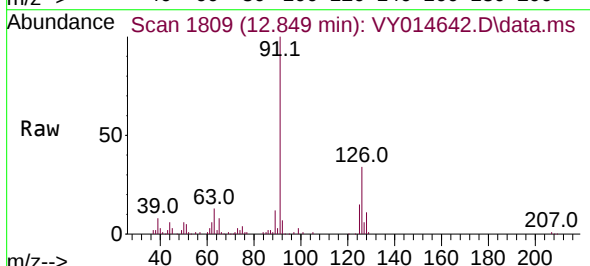
Manual Integrations
APPROVED

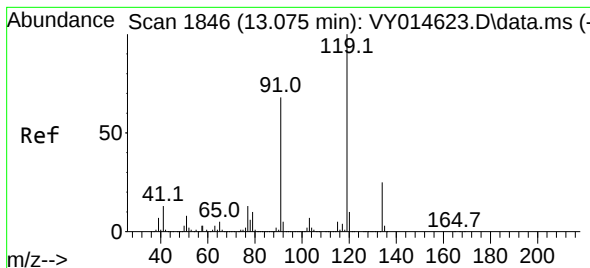
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#82
4-Chlorotoluene
Concen: 2.526 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 91 Resp: 30557
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.6





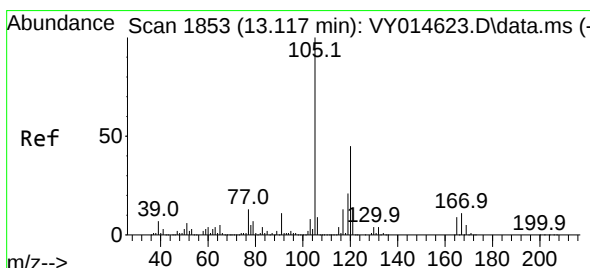
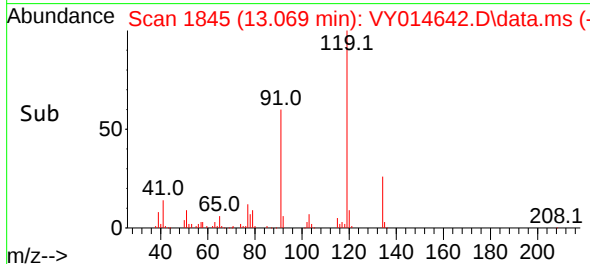
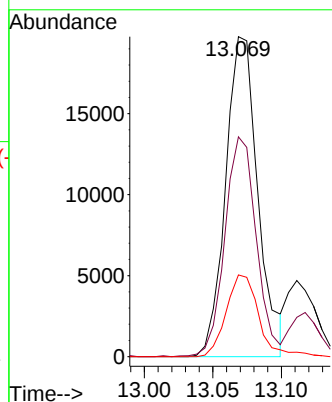
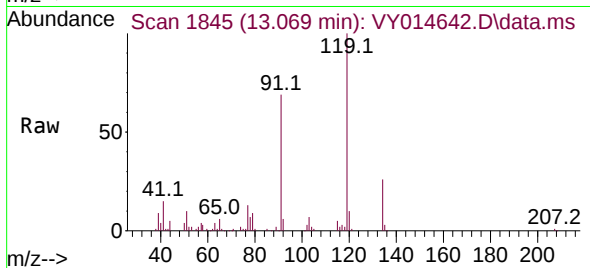
#83
tert-Butylbenzene
Concen: 2.585 ug/l
RT: 13.069 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:119 Resp: 32409
Ion Ratio Lower Upper
119 100
91 66.9 32.9 98.6
134 25.9 13.0 38.9

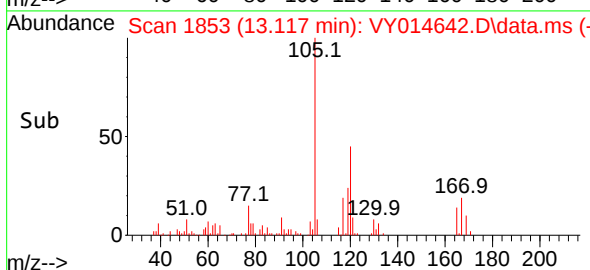
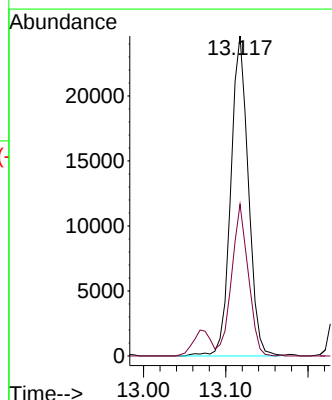
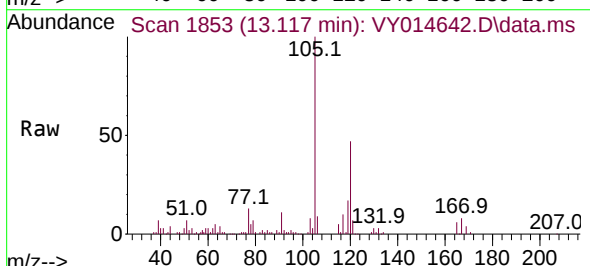
Manual Integrations
APPROVED

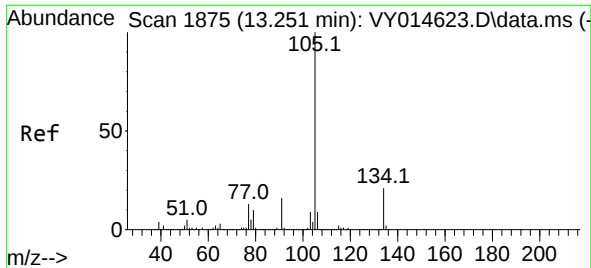
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#84
1,2,4-Trimethylbenzene
Concen: 2.633 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:105 Resp: 36513
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6





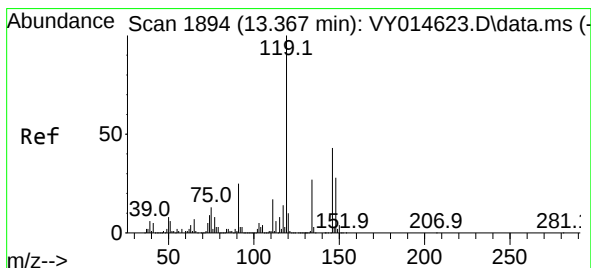
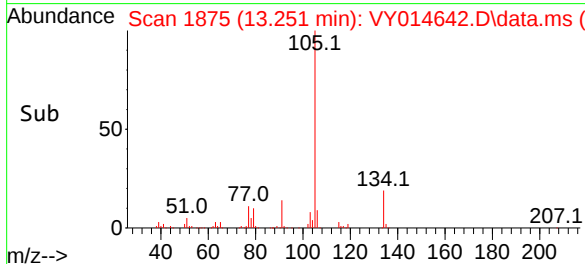
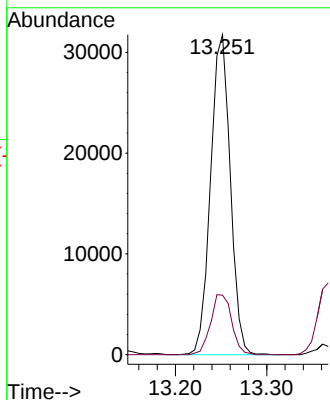
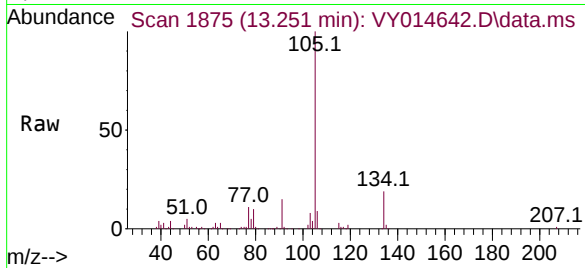
#85
 sec-Butylbenzene
 Concen: 2.583 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 47500
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6

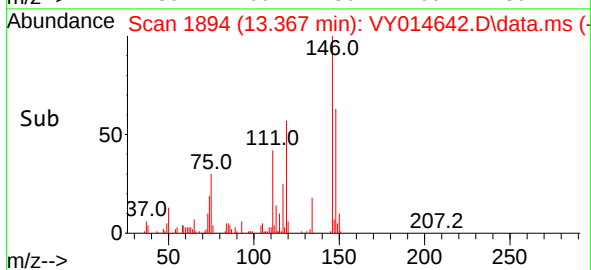
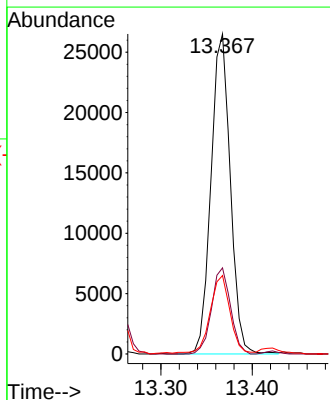
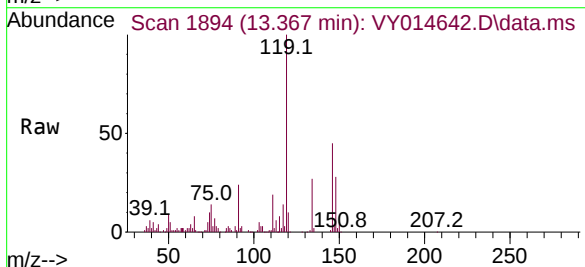
Manual Integrations
 APPROVED

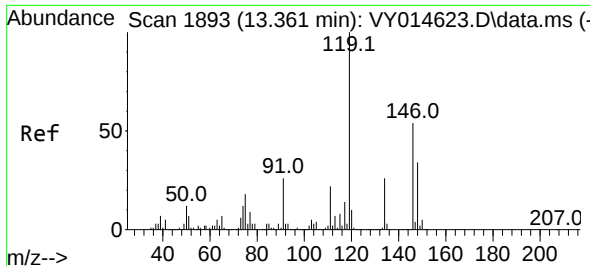
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#86
 p-Isopropyltoluene
 Concen: 2.587 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

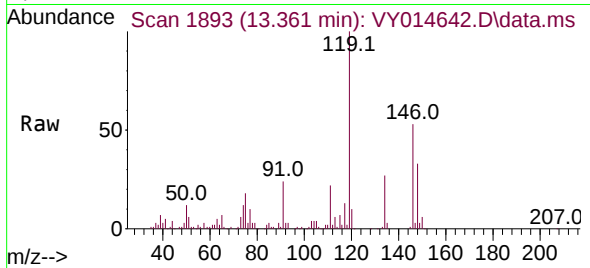
Tgt Ion:119 Resp: 38841
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 25.8 12.4 37.4





#87
1,3-Dichlorobenzene
Concen: 2.693 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

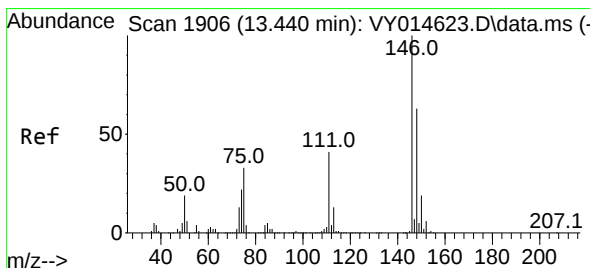
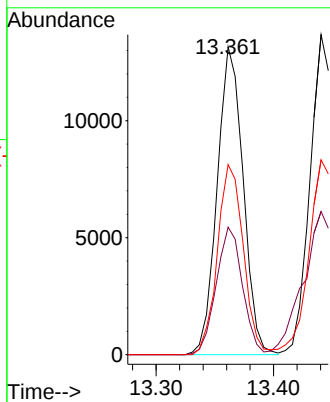
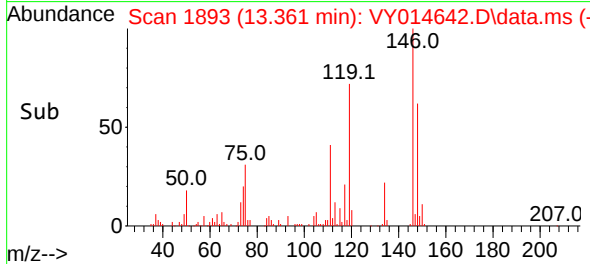
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:146 Resp: 2024
Ion Ratio Lower Upper
146 100
111 41.8 19.4 58.2
148 61.7 31.9 95.5

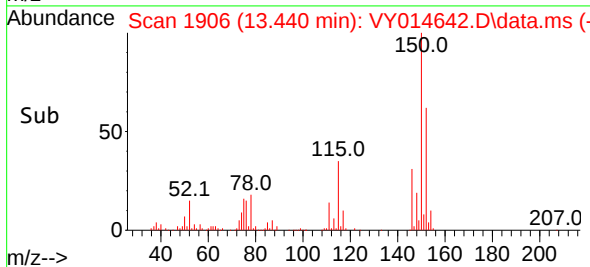
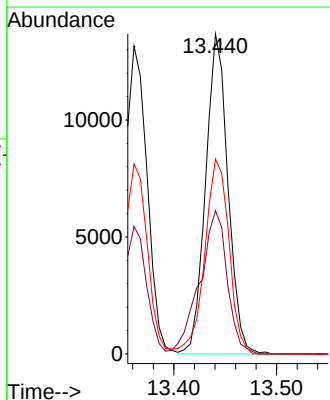
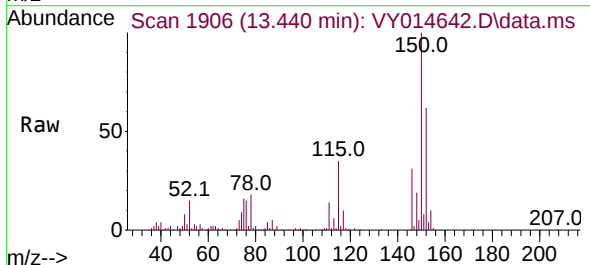
Manual Integrations
APPROVED

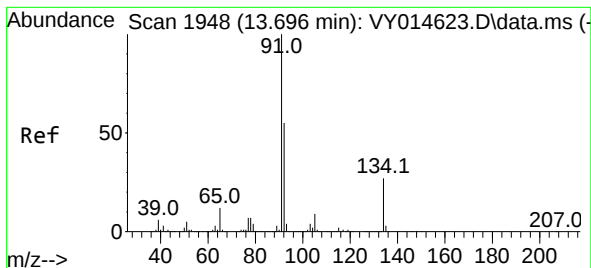
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#88
1,4-Dichlorobenzene
Concen: 2.743 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:146 Resp: 20663
Ion Ratio Lower Upper
146 100
111 55.2 18.9 56.7
148 66.0 32.1 96.5





#89

n-Butylbenzene

Concen: 2.535 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

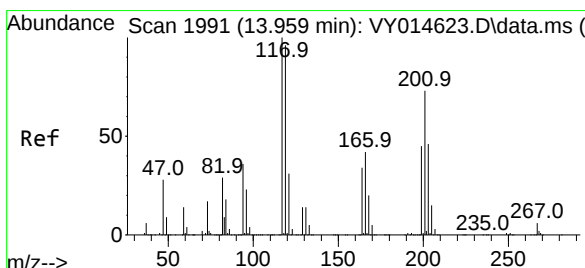
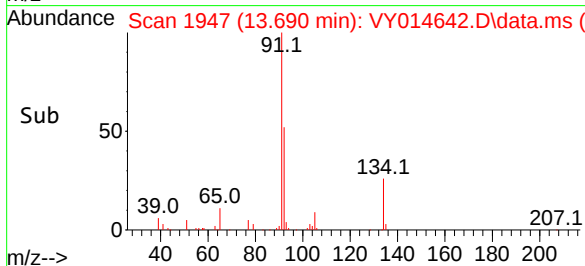
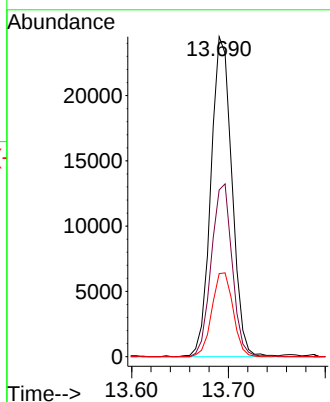
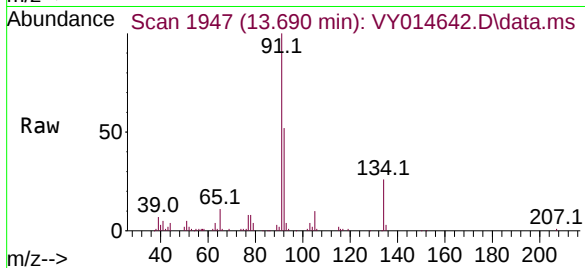
Tgt Ion: 91	Resp: 37029
Ion Ratio	Lower Upper
91 100	
92 53.4	25.4 76.0
134 26.3	12.6 37.6

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#90

Hexachloroethane

Concen: 2.553 ug/l

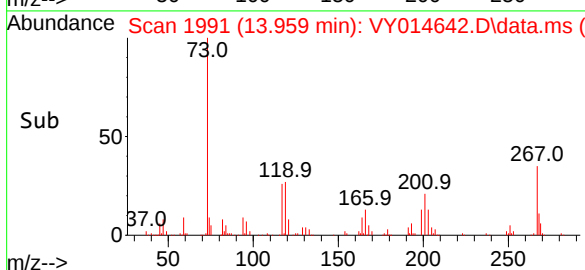
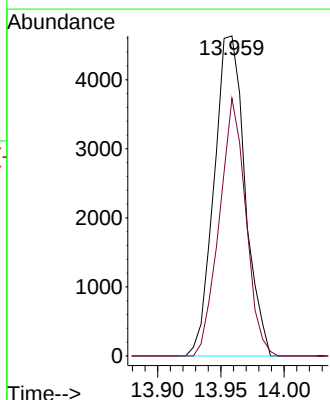
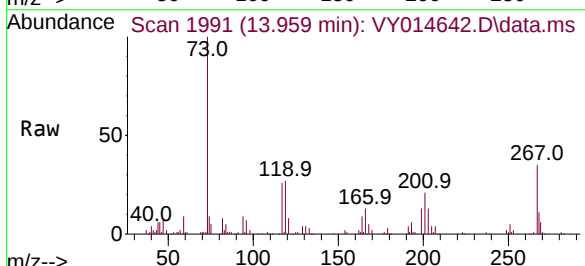
RT: 13.959 min Scan# 1991

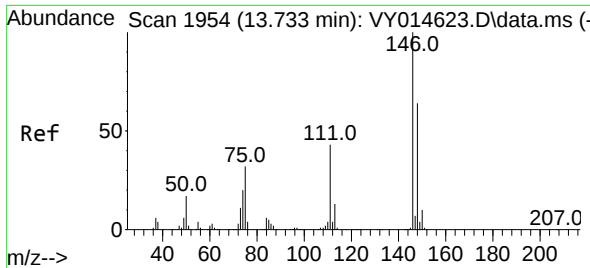
Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Tgt Ion: 117	Resp: 7872
Ion Ratio	Lower Upper
117 100	
201 68.9	41.6 124.8





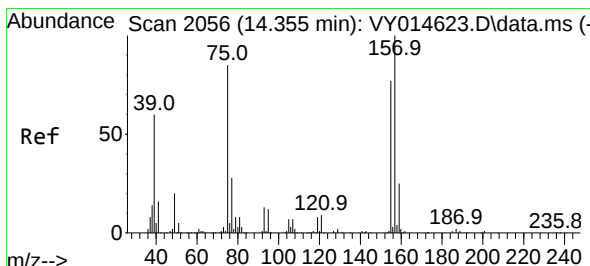
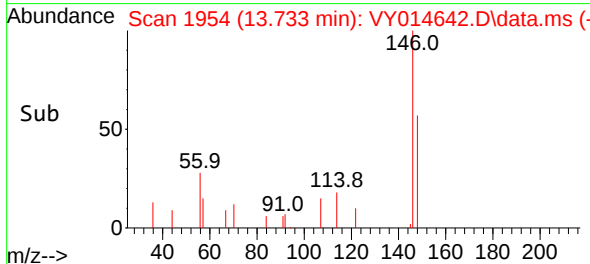
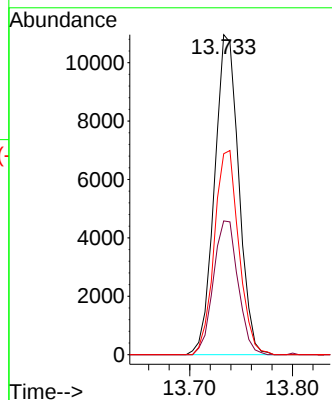
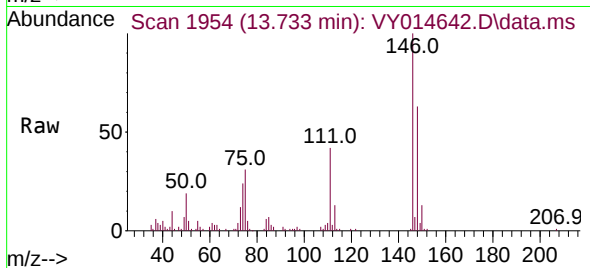
#91
1,2-Dichlorobenzene
Concen: 2.600 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:146 Resp: 17909
Ion Ratio Lower Upper
146 100
111 42.6 19.7 59.0
148 64.7 32.0 96.2

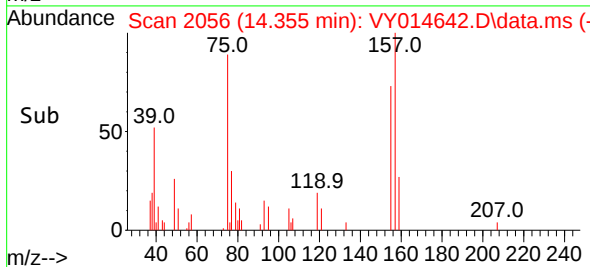
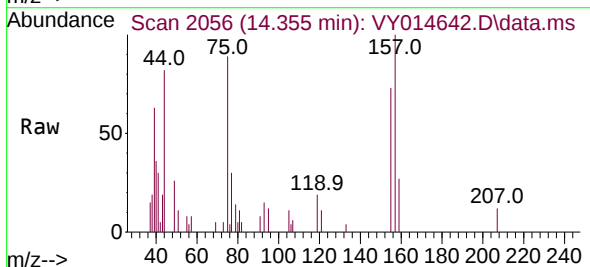
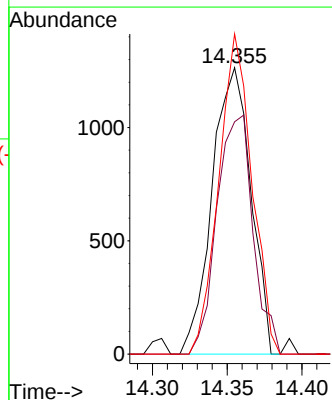
Manual Integrations
APPROVED

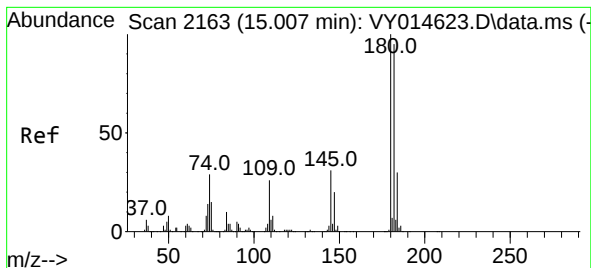
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.087 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 75 Resp: 2278
Ion Ratio Lower Upper
75 100
155 77.9 41.5 124.6
157 95.7 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 2.712 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

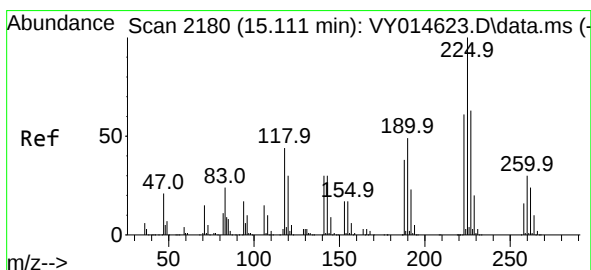
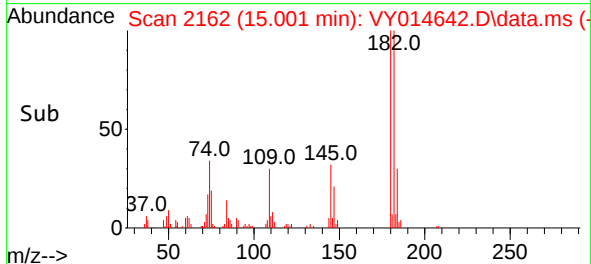
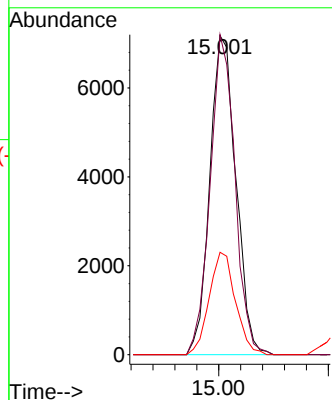
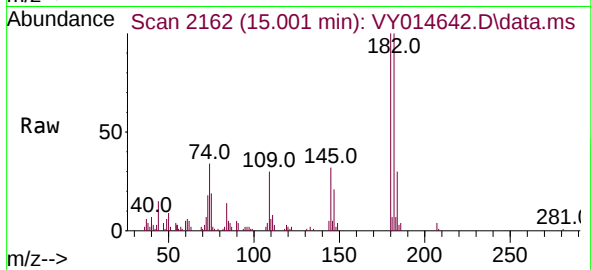
Tgt Ion:180	Resp:	1185
Ion Ratio	Lower	Upper
180	100	
182	95.2	47.0 141.2
145	32.3	14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#94

Hexachlorobutadiene

Concen: 2.676 ug/l

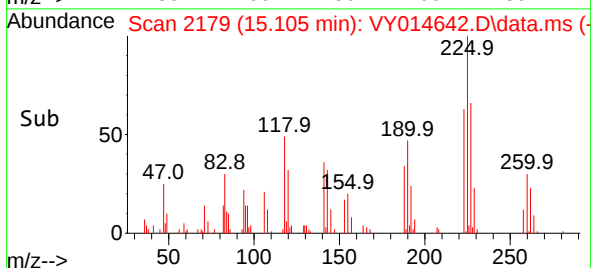
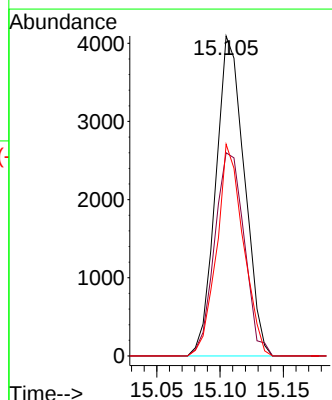
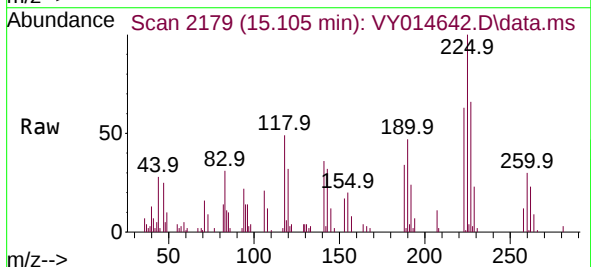
RT: 15.105 min Scan# 2179

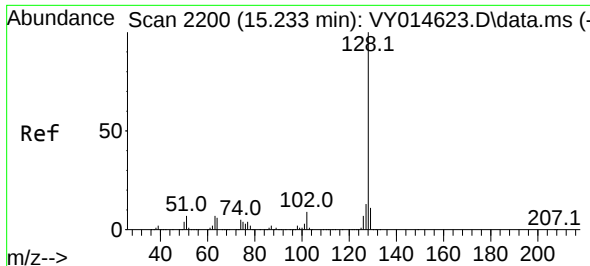
Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

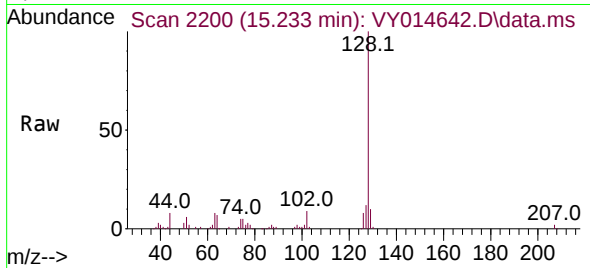
Tgt Ion:225	Resp:	6429
Ion Ratio	Lower	Upper
225	100	
223	65.7	31.9 95.9
227	61.5	33.0 98.9





#95
Naphthalene
Concen: 2.878 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

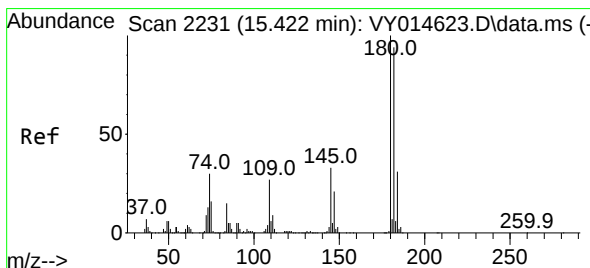
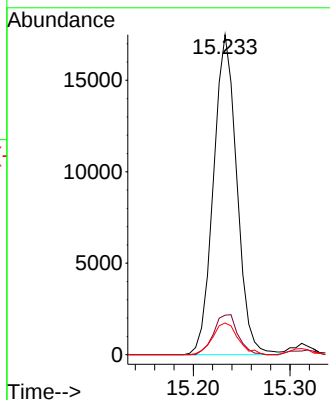
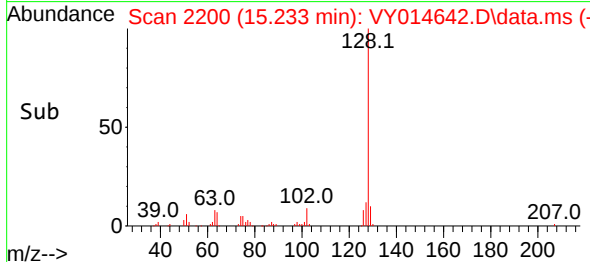
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:128 Resp: 2931
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 2.740 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:180 Resp: 10645
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.8
145 31.5 15.4 46.2

