

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100423\
 Data File : VD077267.D
 Acq On : 04 Oct 2023 16:12
 Operator : JC/SY
 Sample : 04696-03
 Misc : 5.00G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

Quant Time: Oct 04 22:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM092523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:27:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	244436	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	246983	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	123566	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	119208	18.439	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.760%
7) Chloroethane-d5	2.799	69	115832	28.432	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.720%
11) 1,1-Dichloroethene-d2	3.911	65	30787	16.925	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.720%
21) 2-Butanone-d5	6.987	46	58387	49.846	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.700%
24) Chloroform-d	7.563	84	196198	21.286	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.160%
26) 1,2-Dichloroethane-d4	8.228	65	95140	20.750	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.000%
32) Benzene-d6	8.199	84	362508	20.206	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.840%
36) 1,2-Dichloropropane-d6	9.205	67	121696	21.825	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.280%
41) Toluene-d8	10.269	98	297277	18.863	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.440%
43) trans-1,3-Dichloroprop...	10.522	79	43377	19.131	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.520%
47) 2-Hexanone-d5	10.875	63	40150	45.011	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.020%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	116793	23.181	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.720%
66) 1,2-Dichlorobenzene-d4	13.816	152	105037	20.620	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.480%
Target Compounds						
2) Dichlorodifluoromethane	1.928	85	4683	1.178	ug/L	99
3) Chloromethane	2.146	50	4927	0.955	ug/L	87
5) Vinyl chloride	2.275	62	7880	1.283	ug/L #	72
6) Bromomethane	2.687	94	4613m	1.228	ug/L	
8) Chloroethane	2.834	64	5431	1.803	ug/L	87
9) Trichlorofluoromethane	3.170	101	8181	1.288	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	3.946	101	6202m	1.366	ug/L	
12) 1,1-Dichloroethene	3.940	96	4819m	1.272	ug/L	
13) Acetone	4.011	43	3475m	2.859	ug/L	
14) Carbon disulfide	4.258	76	9166	0.928	ug/L #	93
15) Methyl Acetate	4.564	43	2195m	1.057	ug/L	
16) Methylene chloride	4.793	84	40461	6.647	ug/L	97
17) trans-1,2-Dichloroethene	5.316	96	4481m	1.051	ug/L	
18) Methyl tert-butyl Ether	5.311	73	7997m	0.796	ug/L	
19) 1,1-Dichloroethane	6.111	63	7756	0.965	ug/L	95
20) cis-1,2-Dichloroethene	7.069	96	4982	0.957	ug/L #	87
22) 2-Butanone	7.081	43	4064m	2.585	ug/L	
23) Bromochloromethane	7.434	128	2260m	0.917	ug/L	
25) Chloroform	7.593	83	10801	1.215	ug/L	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.316	62	5046	0.959	ug/L	99
29) Cyclohexane	7.875	56	4644m	0.924	ug/L	
30) 1,1,1-Trichloroethane	7.787	97	7612	1.064	ug/L #	89
31) Carbon tetrachloride	7.993	117	5321	0.920	ug/L	93
33) Benzene	8.252	78	19111	1.048	ug/L	100
34) Trichloroethene	9.028	95	5242	1.139	ug/L	90
35) Methylcyclohexane	9.263	83	5733	0.895	ug/L	93
37) 1,2-Dichloropropane	9.299	63	5062m	1.012	ug/L	
38) Bromodichloromethane	9.575	83	7085	1.066	ug/L #	85
39) cis-1,3-Dichloropropene	10.016	75	7577	0.997	ug/L	94
40) 4-Methyl-2-pentanone	10.157	43	5178m	1.806	ug/L	
42) Toluene	10.328	91	19762	1.005	ug/L	89
44) trans-1,3-Dichloropropene	10.552	75	7718	1.175	ug/L	97
45) 1,1,2-Trichloroethane	10.728	97	4115	0.966	ug/L	90
46) Tetrachloroethene	10.816	164	3798	1.052	ug/L #	74
48) 2-Hexanone	10.922	43	3947	1.795	ug/L #	87
49) Dibromochloromethane	11.075	129	4598	0.970	ug/L	86
50) 1,2-Dibromoethane	11.175	107	3621	0.908	ug/L #	91
51) Chlorobenzene	11.610	112	13240	0.991	ug/L	95
52) Ethylbenzene	11.681	91	19794	0.928	ug/L	89
53) m,p-Xylene	11.787	106	7514	0.924	ug/L	83
54) o-Xylene	12.122	106	7059	0.890	ug/L	69
55) Styrene	12.134	104	10578	0.734	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.669	83	5373	1.055	ug/L #	93
59) Bromoform	12.298	173	2471	0.888	ug/L #	89
60) Isopropylbenzene	12.416	105	16523	0.856	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	3094	0.989	ug/L #	84
62) 1,3,5-Trimethylbenzene	12.904	105	13086	0.886	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	11785	0.804	ug/L	97
64) 1,3-Dichlorobenzene	13.457	146	8892	0.946	ug/L	99
65) 1,4-Dichlorobenzene	13.540	146	9632	0.981	ug/L	96
67) 1,2-Dichlorobenzene	13.828	146	9093	1.050	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.451	75	707m	1.056	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	6171m	0.999	ug/L	
70) 1,2,4-trichlorobenzene	15.092	180	5064	0.956	ug/L	99
71) Naphthalene	15.328	128	10206	0.931	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.516	180	4646	0.939	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

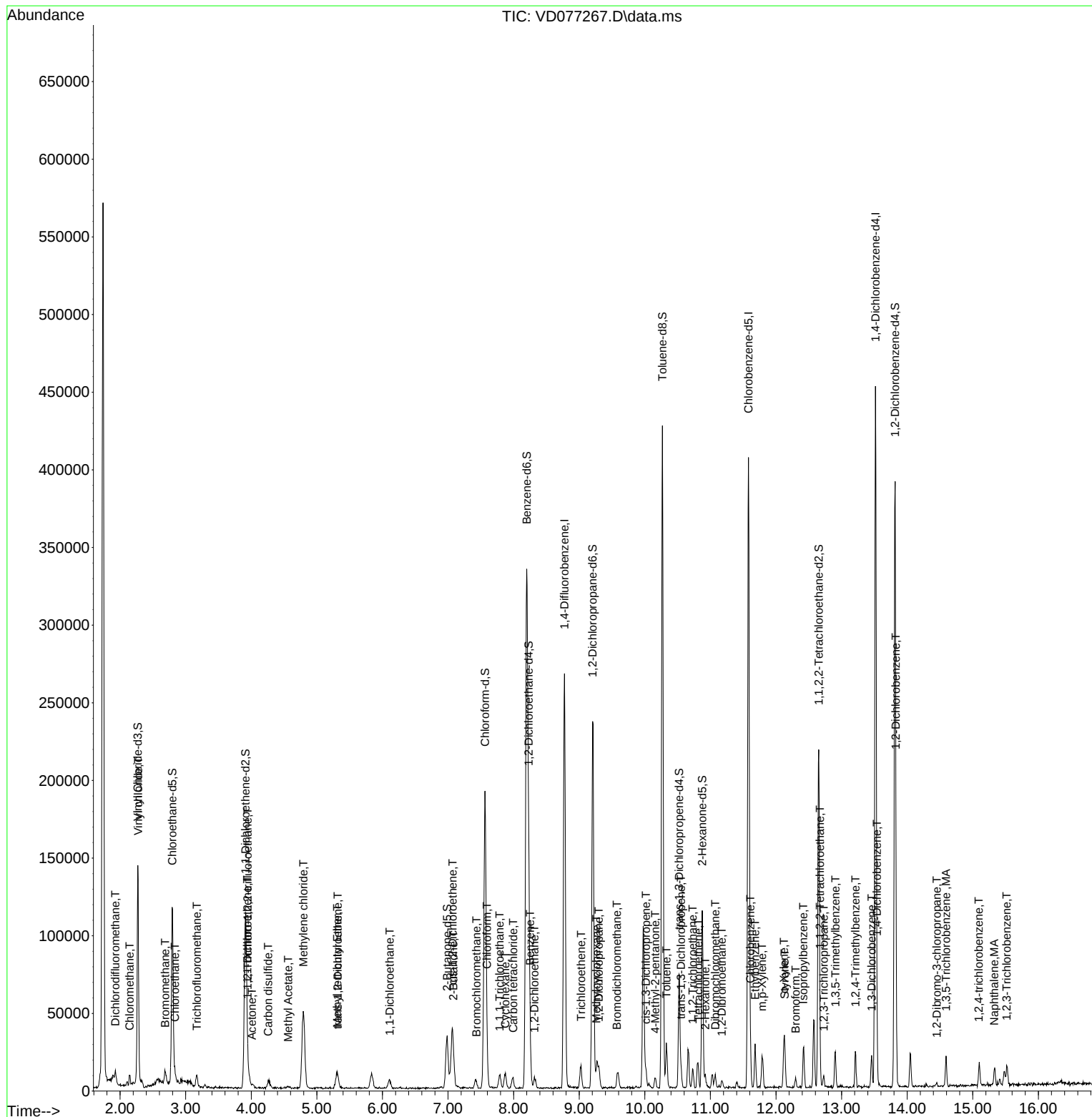
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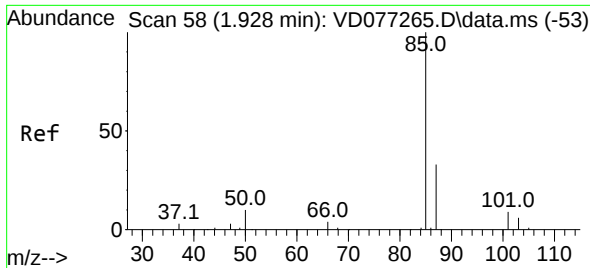
Instrument :
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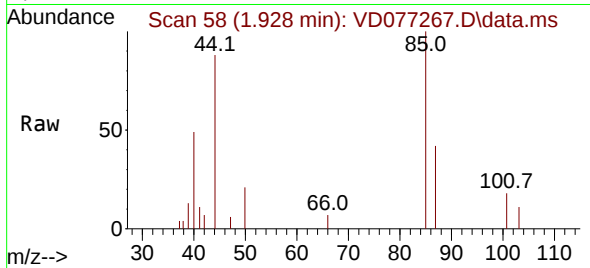
Reviewed By : Mahesh Dadoda 10/10/2023
 Supervised By : Semsettin Yesilyurt 10/10/2023





#2
 Dichlorodifluoromethane
 Concen: 1.178 ug/L
 RT: 1.928 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VD077267.D
 Acq: 04 Oct 2023 16:12

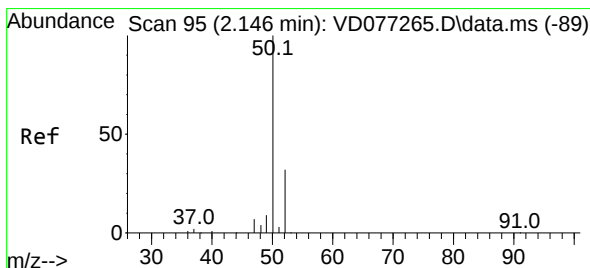
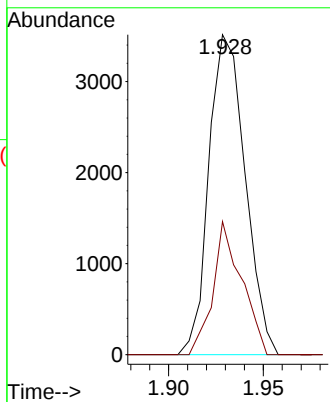
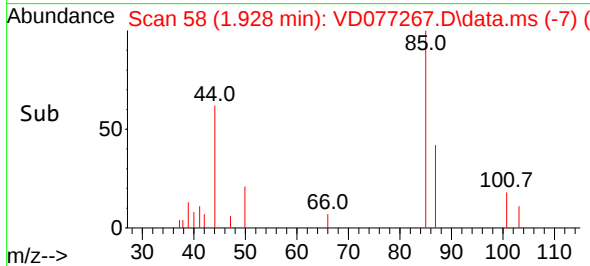
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-QT4-2023-07



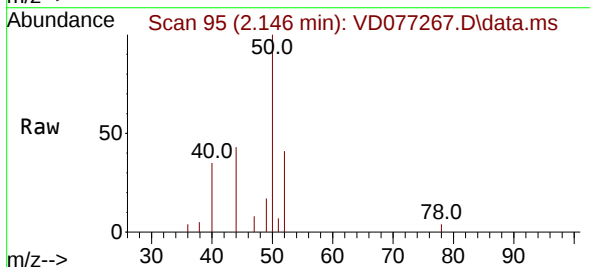
Tgt Ion: 85 Resp: 468
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.9 38.9

Manual Integrations
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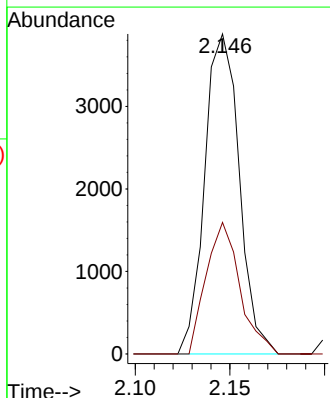
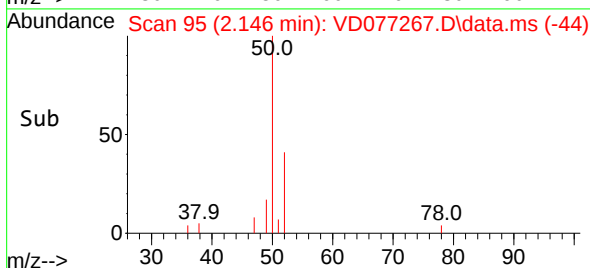
Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

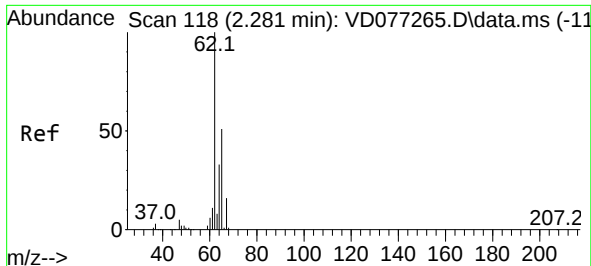


#3
 Chloromethane
 Concen: 0.955 ug/L
 RT: 2.146 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VD077267.D
 Acq: 04 Oct 2023 16:12



Tgt Ion: 50 Resp: 4927
 Ion Ratio Lower Upper
 50 100
 52 41.1 23.6 43.8





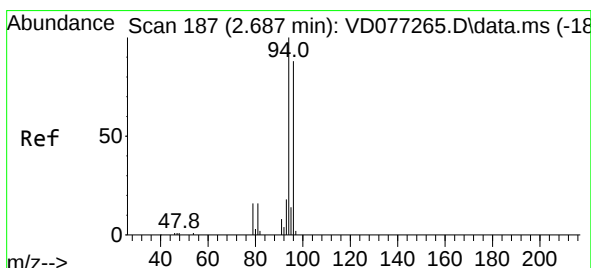
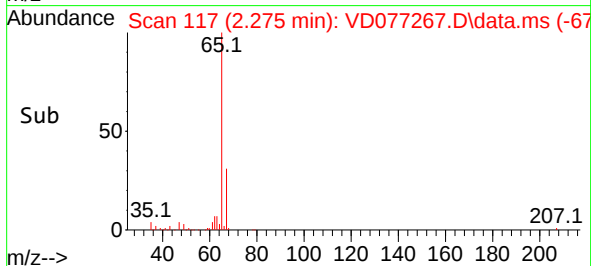
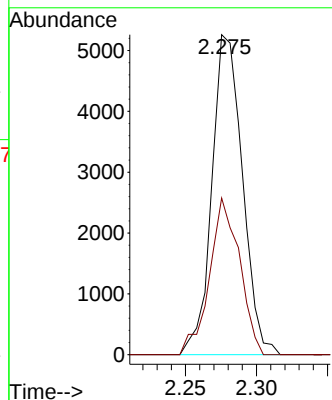
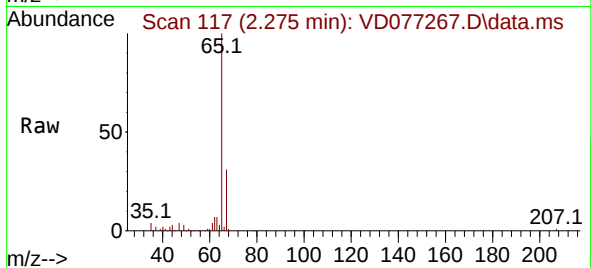
#5
Vinyl chloride
Concen: 1.283 ug/L
RT: 2.275 min Scan# 118
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion: 62 Resp: 7880
Ion Ratio Lower Upper
62 100
64 49.0 23.0 42.8

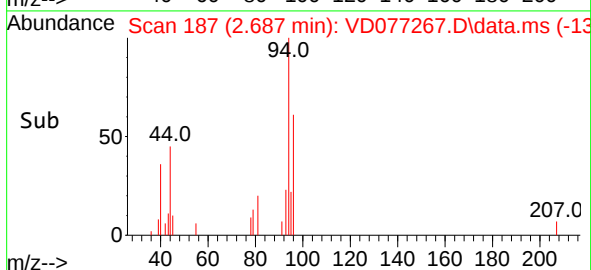
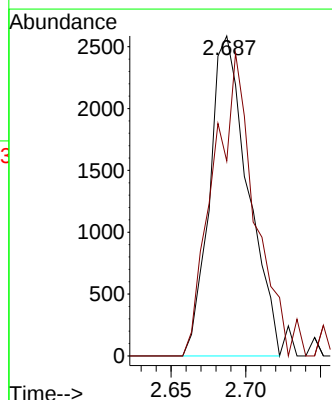
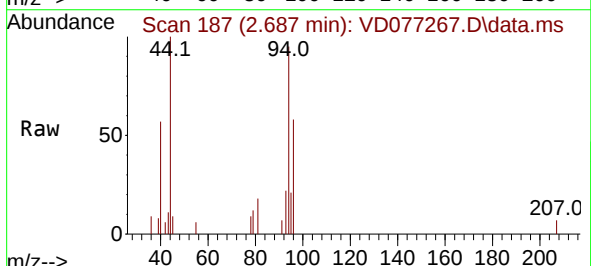
Manual Integrations
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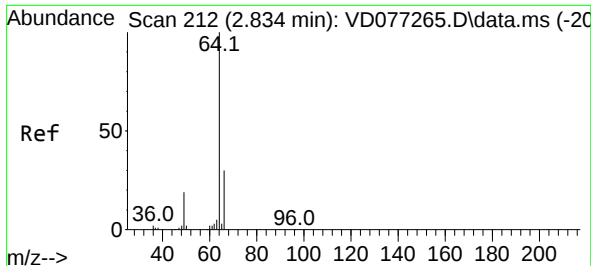
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#6
Bromomethane
Concen: 1.228 ug/L m
RT: 2.687 min Scan# 187
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

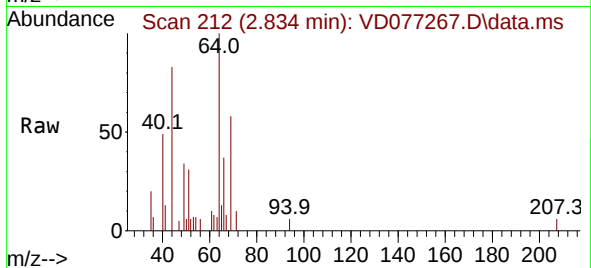
Tgt Ion: 94 Resp: 4613
Ion Ratio Lower Upper
94 100
96 60.9 67.8 125.8





#8
Chloroethane
Concen: 1.803 ug/L
RT: 2.834 min Scan# 212
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

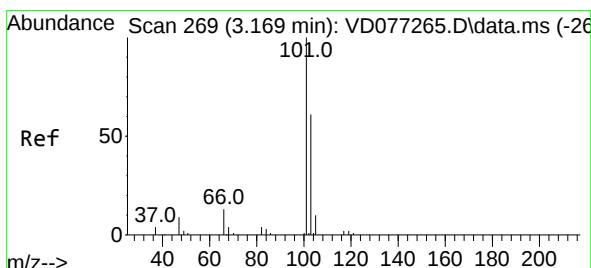
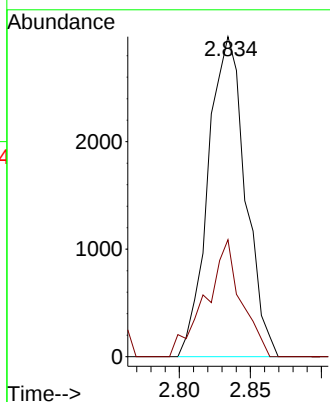
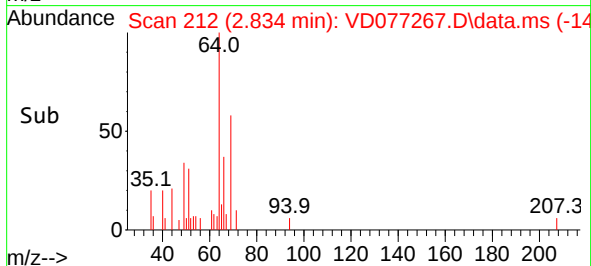
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 543
Ion Ratio Lower Upper
64 100
66 36.6 20.8 38.6

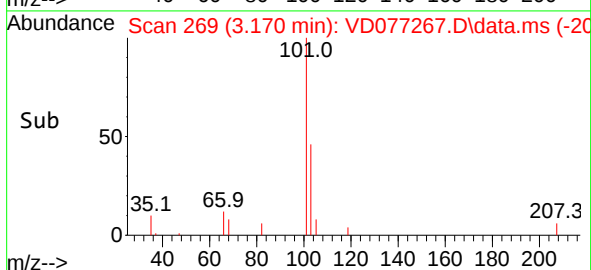
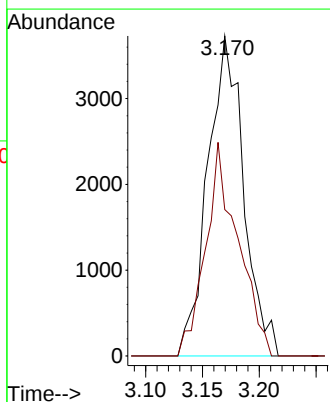
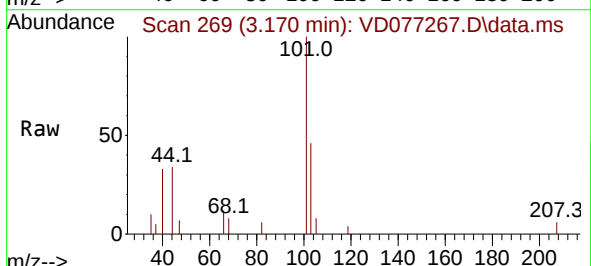
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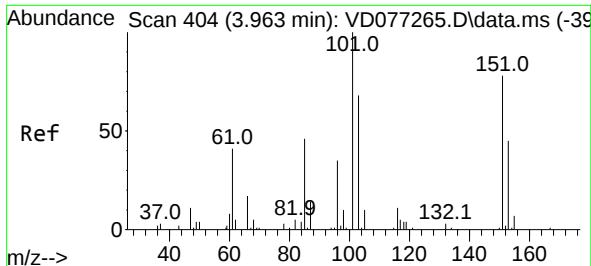
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#9
Trichlorofluoromethane
Concen: 1.288 ug/L
RT: 3.170 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion:101 Resp: 8181
Ion Ratio Lower Upper
101 100
103 60.2 52.9 79.3





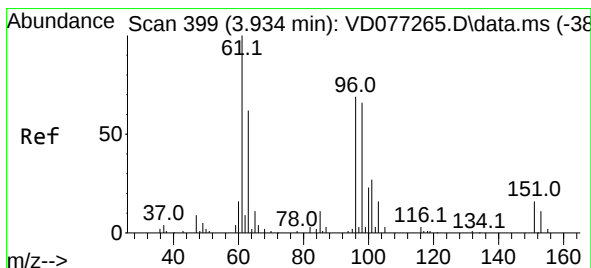
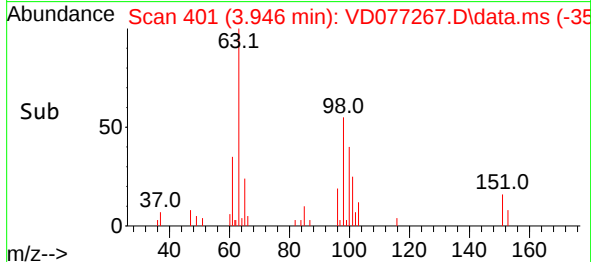
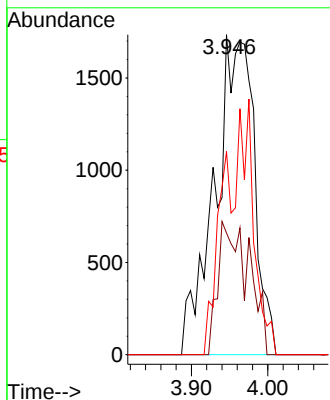
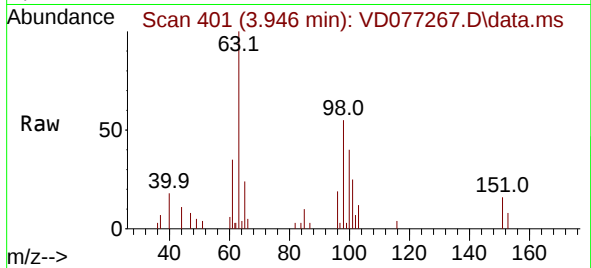
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.366 ug/L m
RT: 3.946 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD077267.D
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Tgt Ion: 101 Resp: 620
Ion Ratio Lower Upper
101 100
85 3.9 35.3 52.9
151 0.0 59.9 89.9

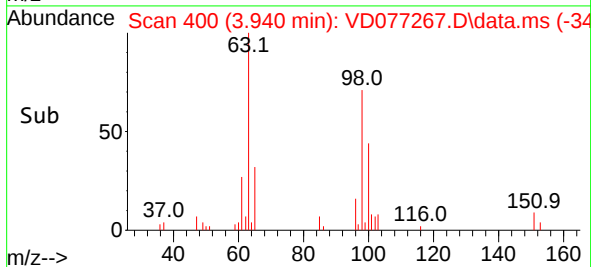
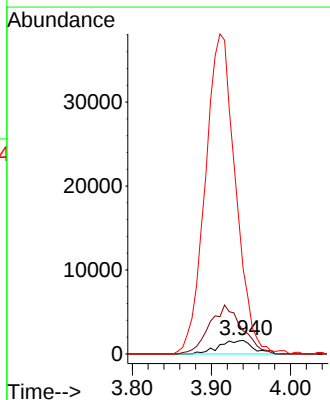
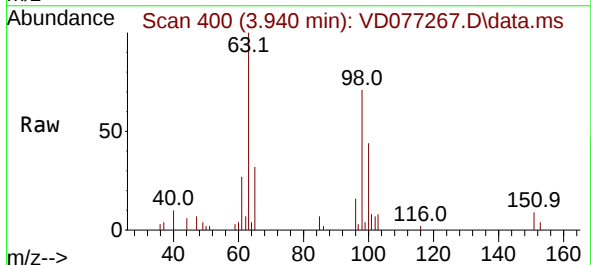
Manual Integrations
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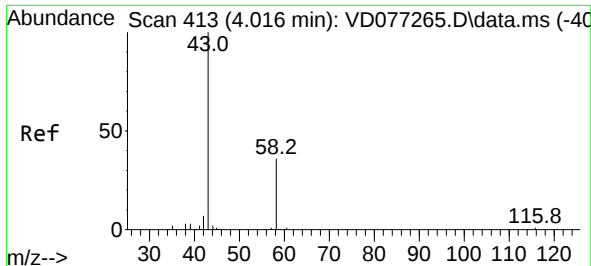
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#12
1,1-Dichloroethene
Concen: 1.272 ug/L m
RT: 3.940 min Scan# 400
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

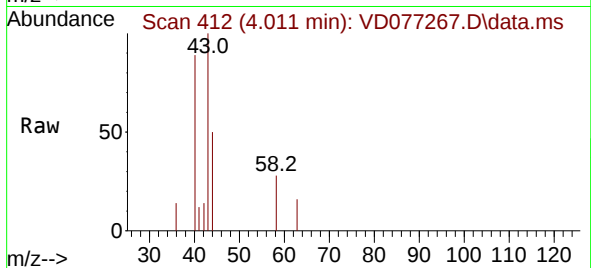
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Ion Ratio Lower Upper
96 100
61 169.6 102.1 189.5
63 624.4 63.3 117.5





#13
Acetone
Concen: 2.859 ug/L m
RT: 4.011 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD077267.D
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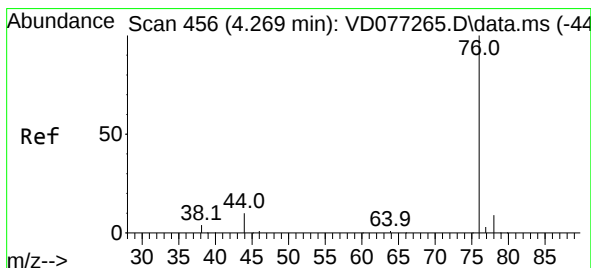
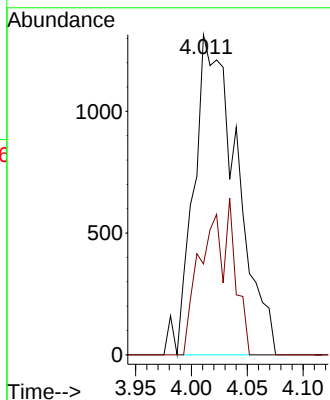
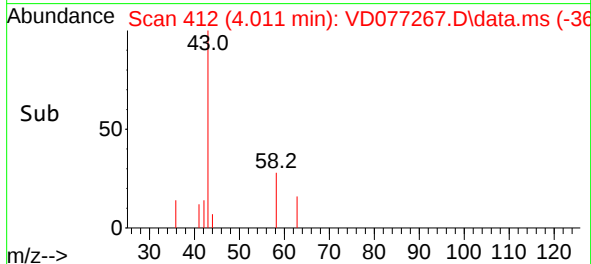
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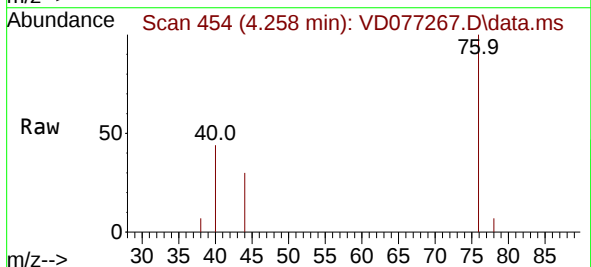
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Ion Ratio Lower Upper
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58 24.4 0.0 74.0

Manual Integrations
APPROVED

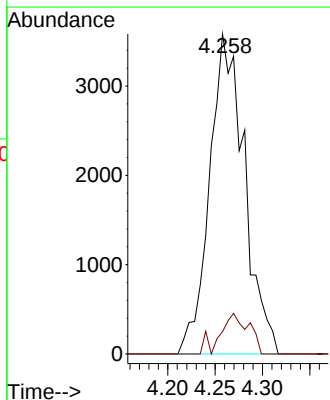
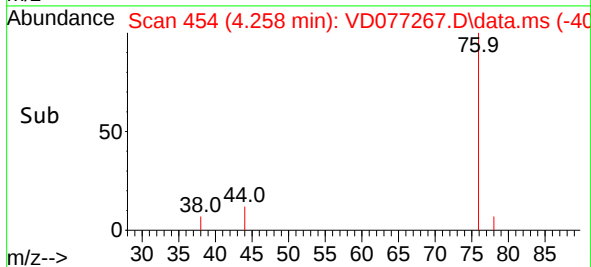
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023

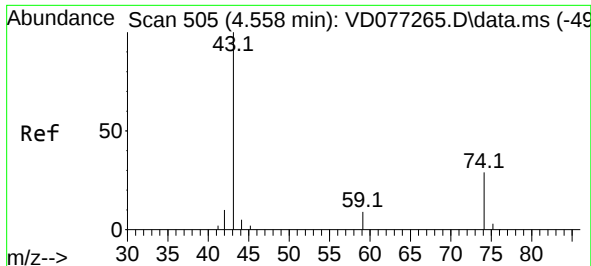


#14
Carbon disulfide
Concen: 0.928 ug/L
RT: 4.258 min Scan# 454
Delta R.T. -0.012 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12



Tgt Ion: 76 Resp: 9166
Ion Ratio Lower Upper
76 100
78 7.0 7.5 11.3#





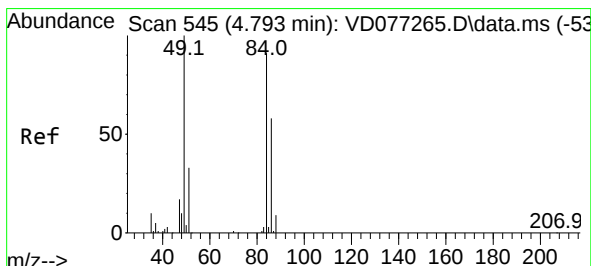
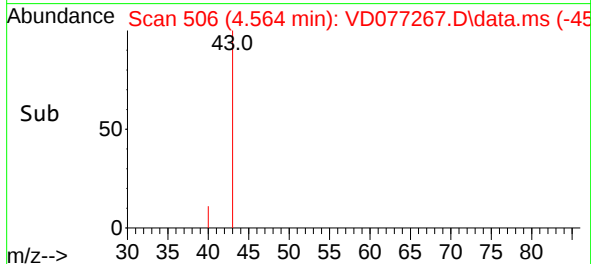
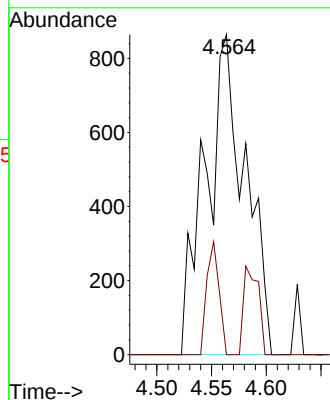
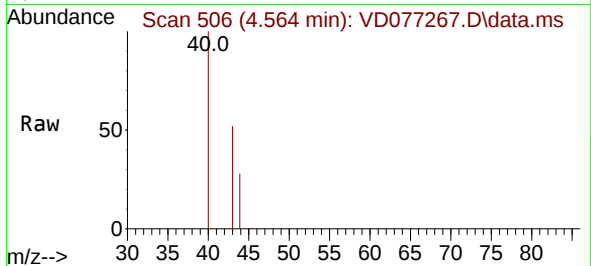
#15
Methyl Acetate
Concen: 1.057 ug/L m
RT: 4.564 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
74 10.8 22.5 33.7

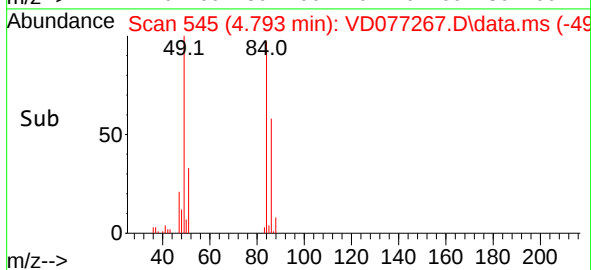
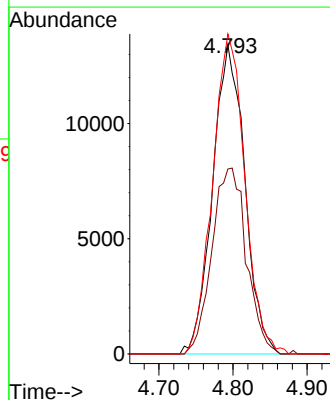
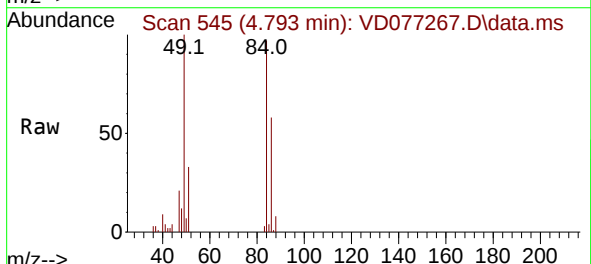
Manual Integrations
APPROVED

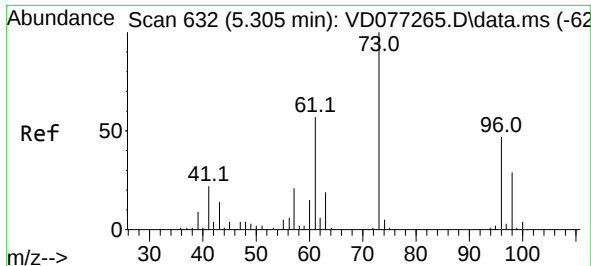
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#16
Methylene chloride
Concen: 6.647 ug/L
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

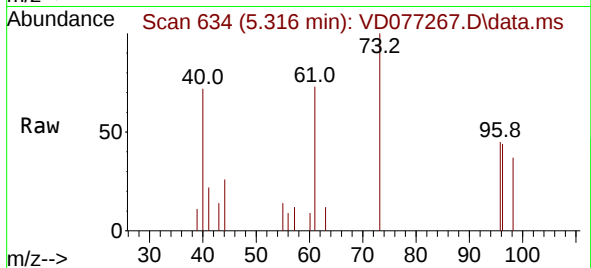
Tgt Ion: 84 Resp: 40461
Ion Ratio Lower Upper
84 100
86 59.9 45.2 84.0
49 103.5 73.4 136.4





#17
trans-1,2-Dichloroethene
Concen: 1.051 ug/L m
RT: 5.316 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

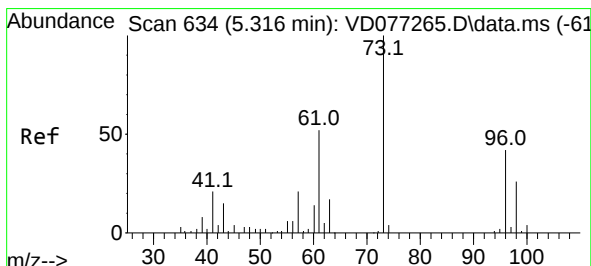
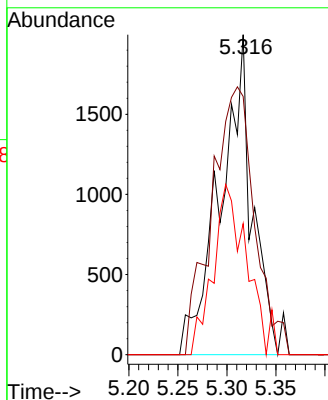
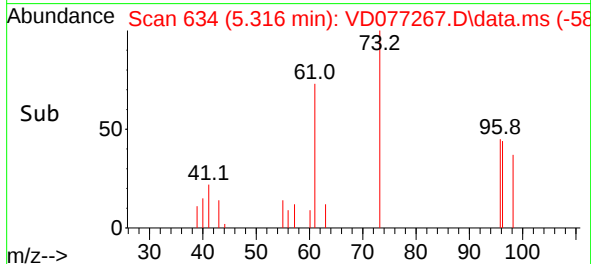
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 96 Resp: 448
Ion Ratio Lower Upper
96 100
61 159.8 84.1 156.3
98 81.1 42.0 78.0

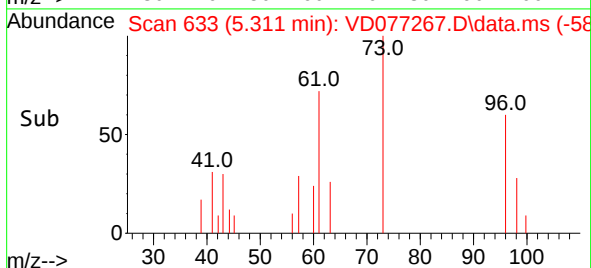
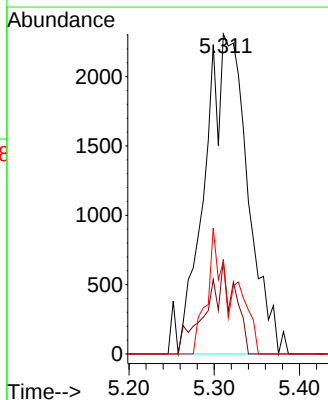
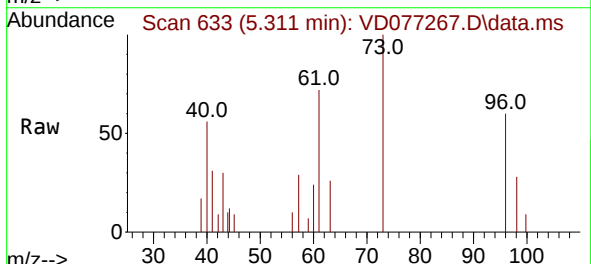
Manual Integrations
APPROVED

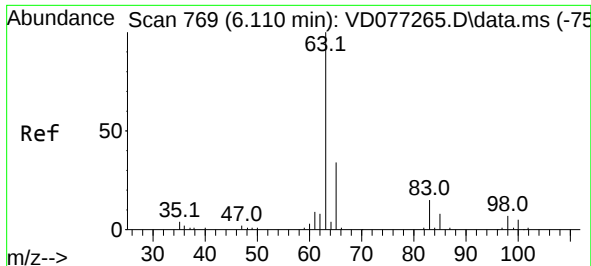
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#18
Methyl tert-butyl Ether
Concen: 0.796 ug/L m
RT: 5.311 min Scan# 633
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion: 73 Resp: 7997
Ion Ratio Lower Upper
73 100
43 4.4 12.7 19.1#
57 0.0 17.2 25.8#





#19

1,1-Dichloroethane

Concen: 0.965 ug/L

RT: 6.111 min Scan# 70

Delta R.T. 0.000 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

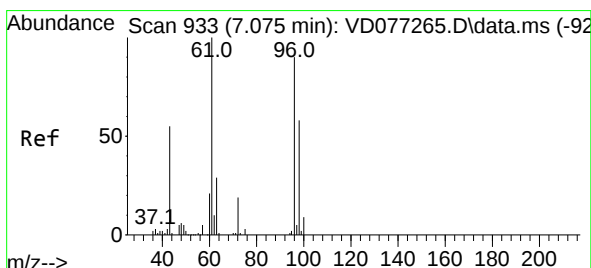
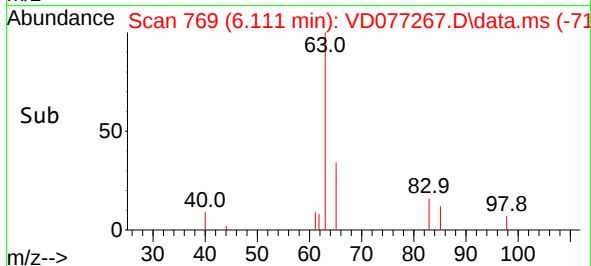
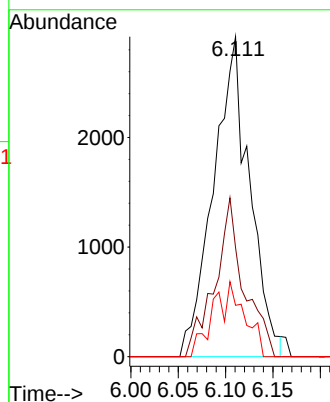
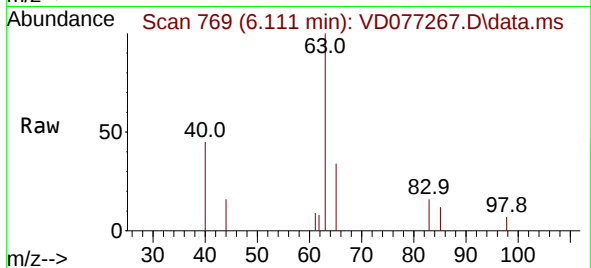
MDL-SOIL-QT4-2023-07

Tgt Ion:	63	Resp:	7750
Ion	Ratio	Lower	Upper
63	100		
65	34.0	21.9	40.7
83	16.0	10.0	18.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#20

cis-1,2-Dichloroethene

Concen: 0.957 ug/L

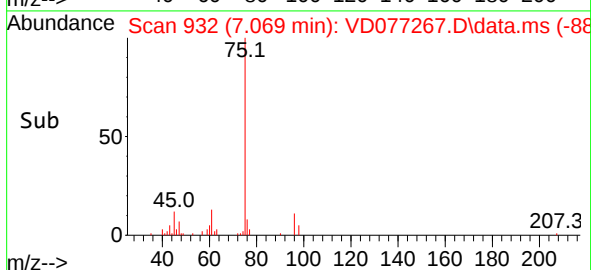
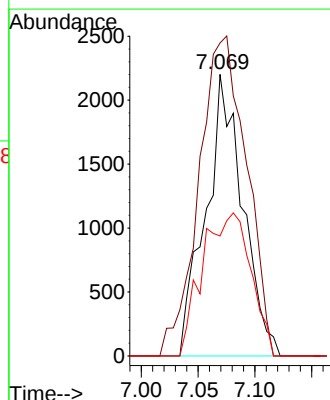
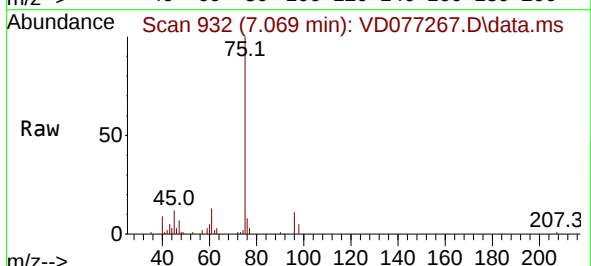
RT: 7.069 min Scan# 932

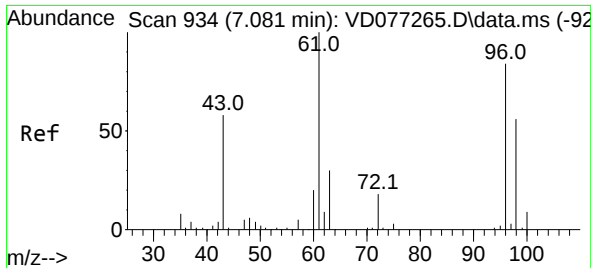
Delta R.T. -0.006 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Tgt Ion:	96	Resp:	4982
Ion	Ratio	Lower	Upper
96	100		
61	111.1	74.8	139.0
98	42.6	45.1	83.7





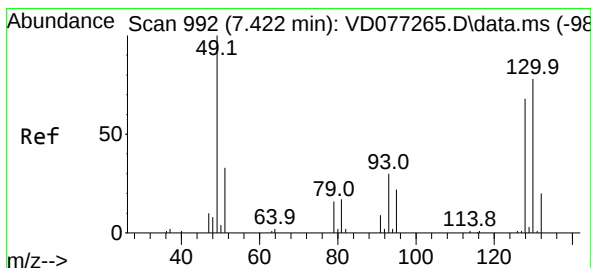
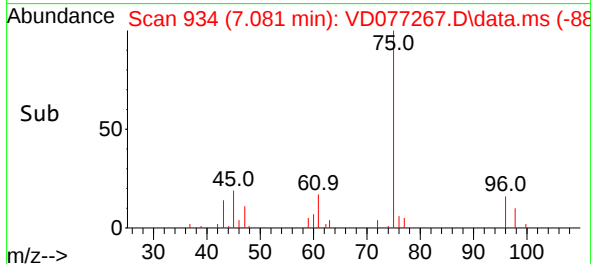
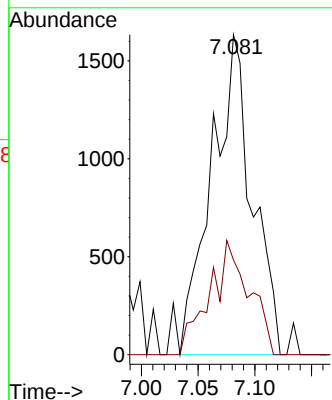
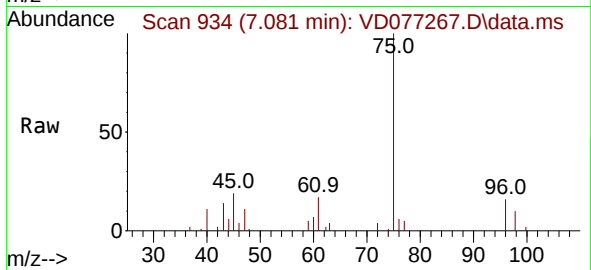
#22
2-Butanone
Concen: 2.585 ug/L m
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
72 28.3 15.4 46.4

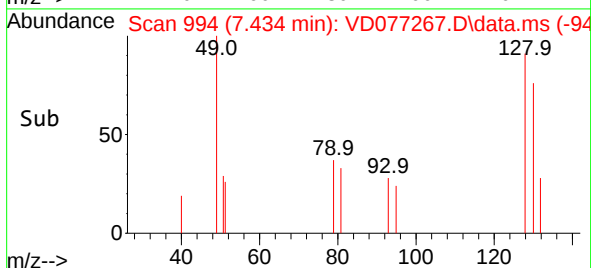
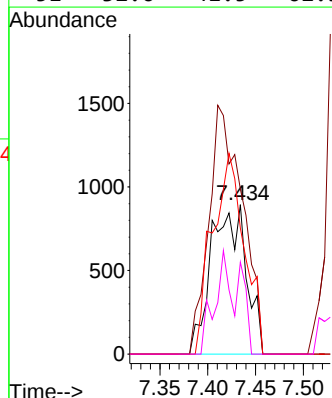
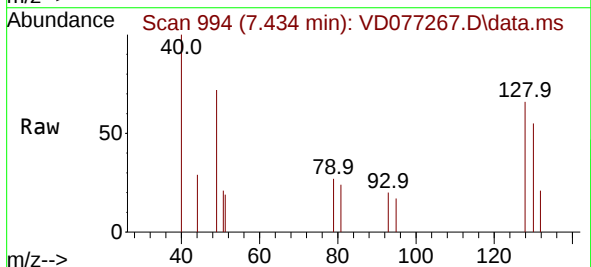
Manual Integrations
APPROVED

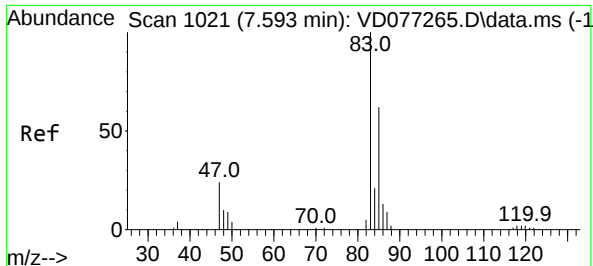
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#23
Bromochloromethane
Concen: 0.917 ug/L m
RT: 7.434 min Scan# 994
Delta R.T. 0.012 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion:128 Resp: 2260
Ion Ratio Lower Upper
128 100
49 110.4 109.4 203.2
130 84.2 97.1 180.3#
51 32.6 41.5 62.3#





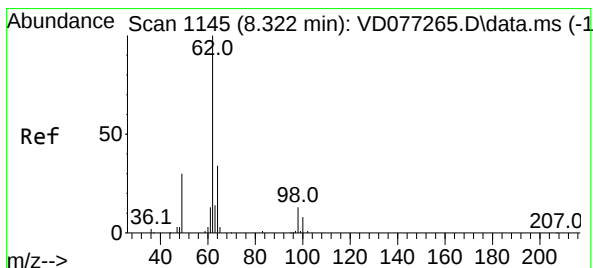
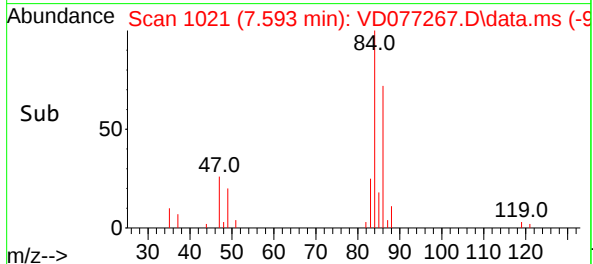
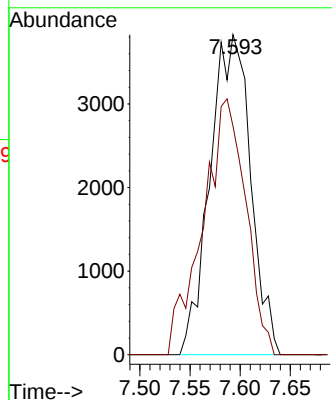
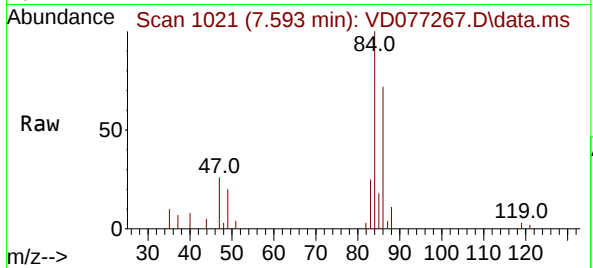
#25
Chloroform
Concen: 1.215 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 83 Resp: 1080
Ion Ratio Lower Upper
83 100
85 71.4 44.4 82.5

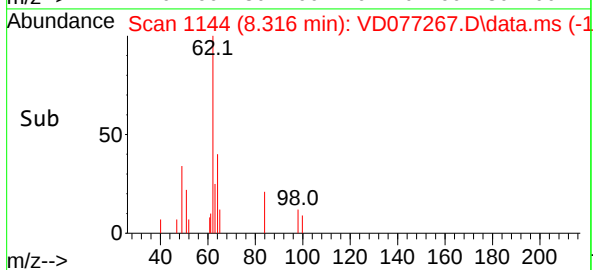
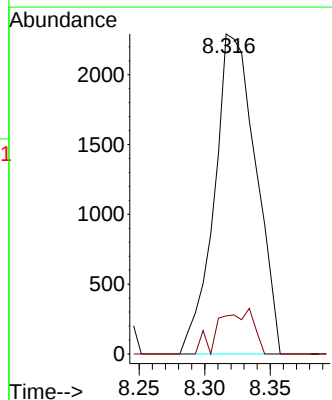
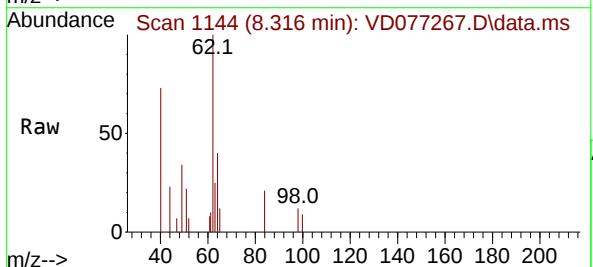
Manual Integrations
APPROVED

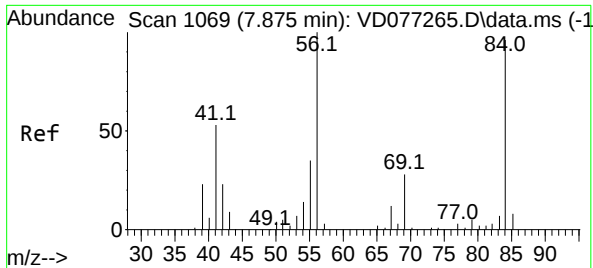
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#27
1,2-Dichloroethane
Concen: 0.959 ug/L
RT: 8.316 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

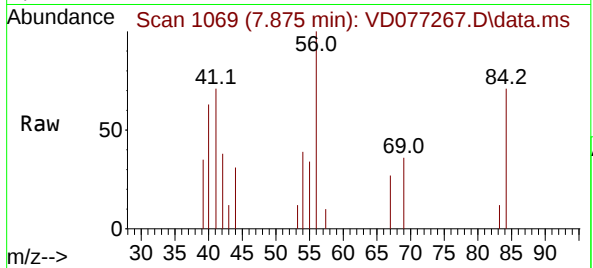
Tgt Ion: 62 Resp: 5046
Ion Ratio Lower Upper
62 100
98 11.9 9.4 14.0





#29
Cyclohexane
Concen: 0.924 ug/L m
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

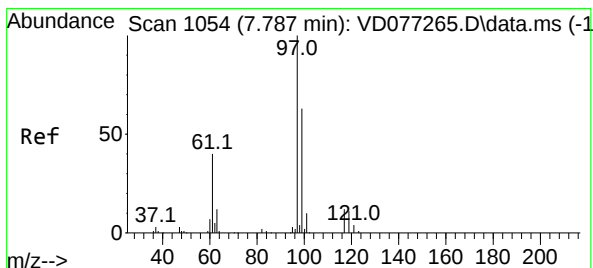
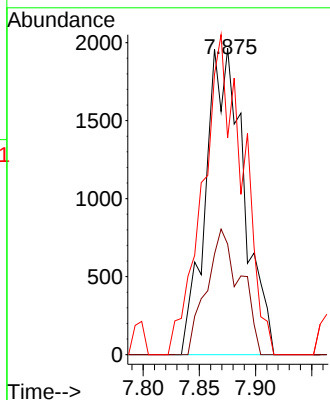
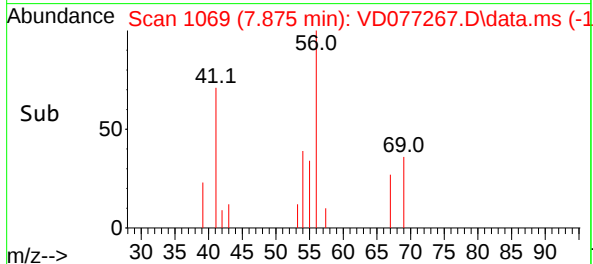
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 56 Resp: 464
Ion Ratio Lower Upper
56 100
69 27.4 25.4 38.0
84 109.7 80.6 120.8

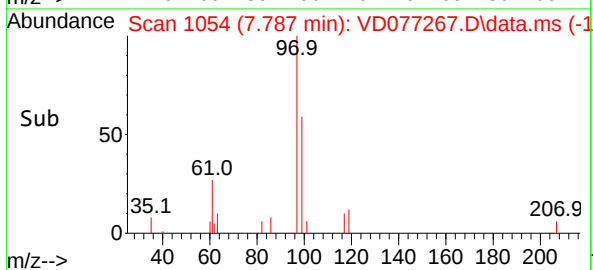
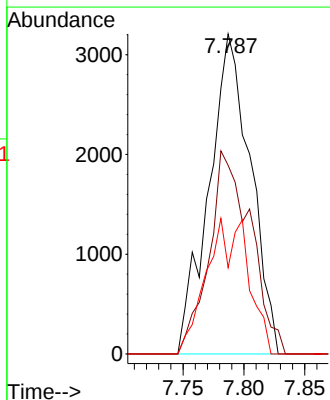
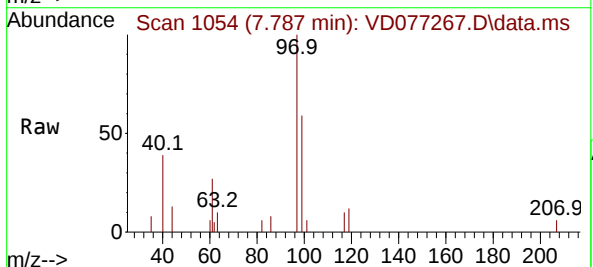
Manual Integrations
APPROVED

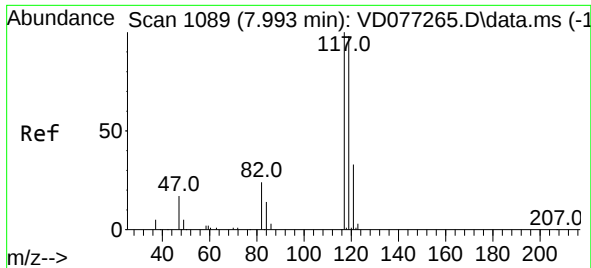
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#30
1,1,1-Trichloroethane
Concen: 1.064 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

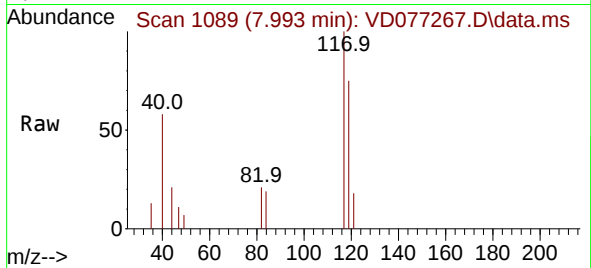
Tgt Ion: 97 Resp: 7612
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 23.6 31.6 47.4#





#31
Carbon tetrachloride
Concen: 0.920 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

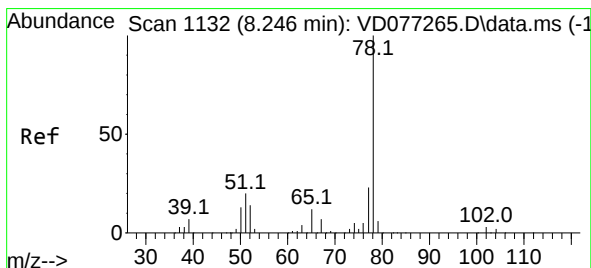
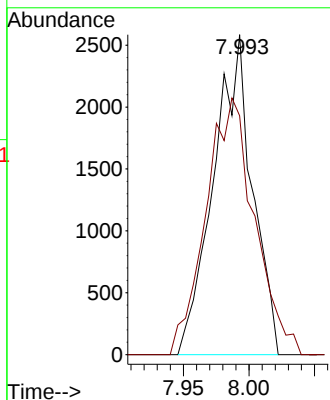
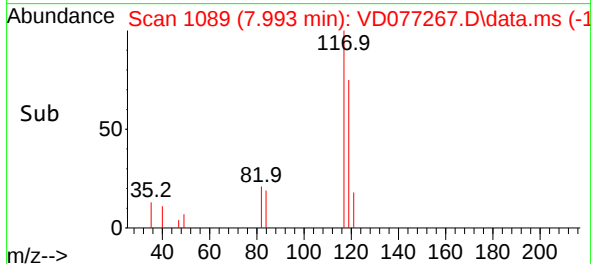
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 532
Ion Ratio Lower Upper
117 100
119 100.7 75.4 113.0

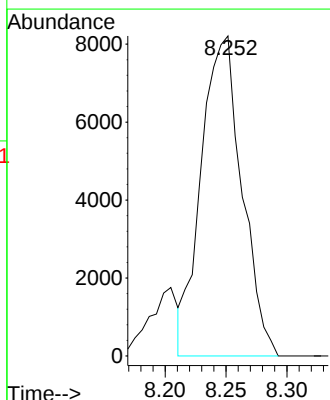
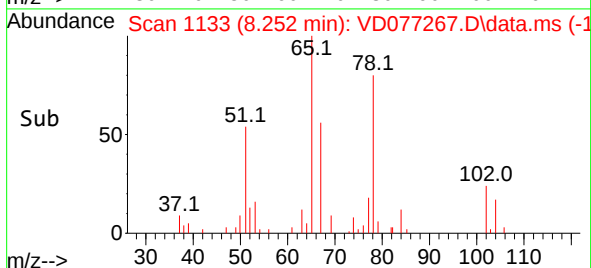
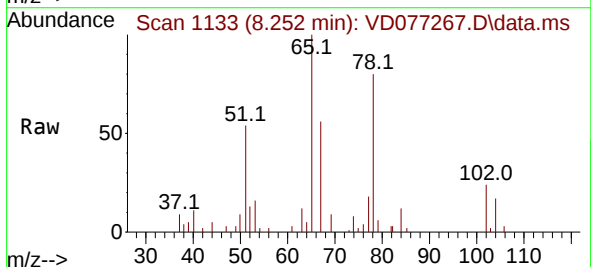
Manual Integrations
APPROVED

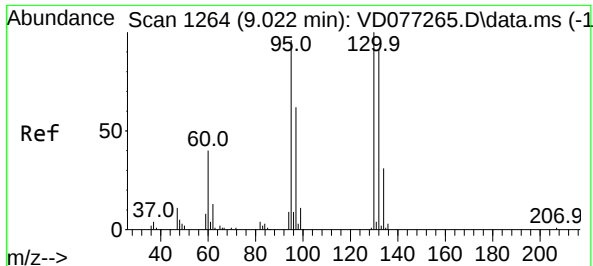
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#33
Benzene
Concen: 1.048 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

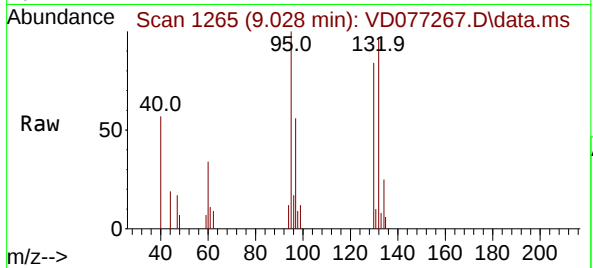
Tgt Ion: 78 Resp: 19111





#34
Trichloroethene
Concen: 1.139 ug/L
RT: 9.028 min Scan# 1305
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

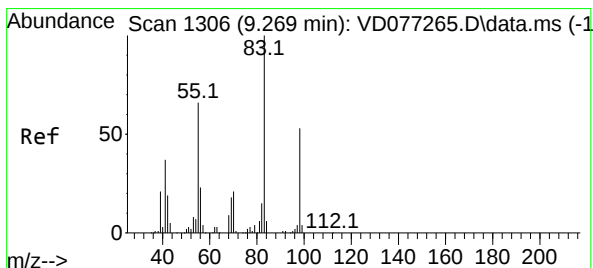
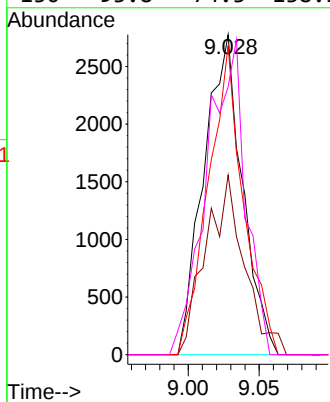
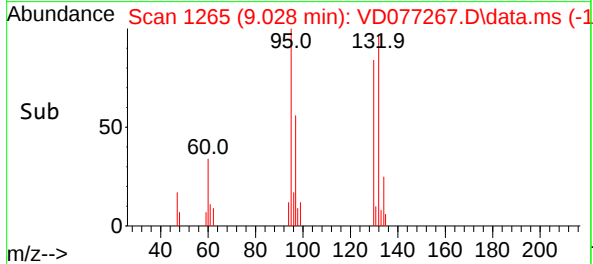
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion	Ratio	Lower	Upper
95	100		
97	56.1	46.5	86.5
132	96.6	71.8	133.4
130	93.8	74.3	138.1

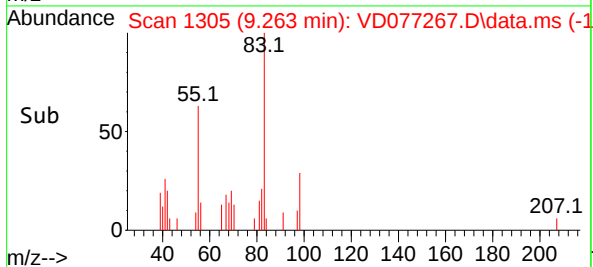
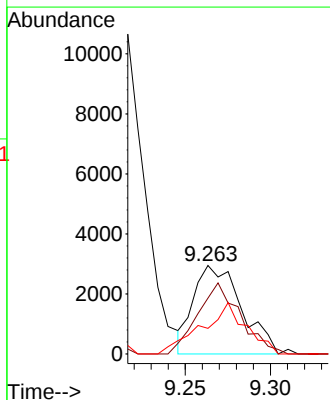
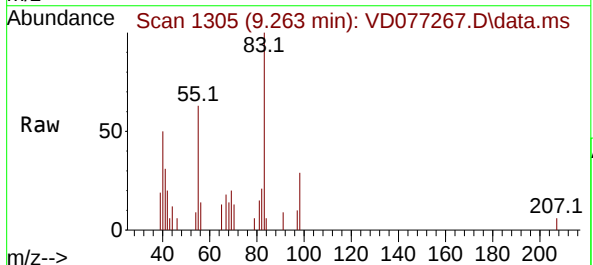
Manual Integrations
APPROVED

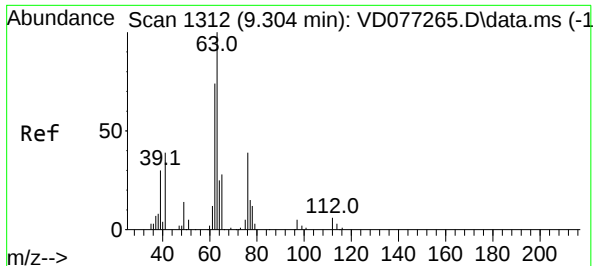
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#35
Methylcyclohexane
Concen: 0.895 ug/L
RT: 9.263 min Scan# 1305
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	53.0	79.4
98	54.0	39.4	59.0





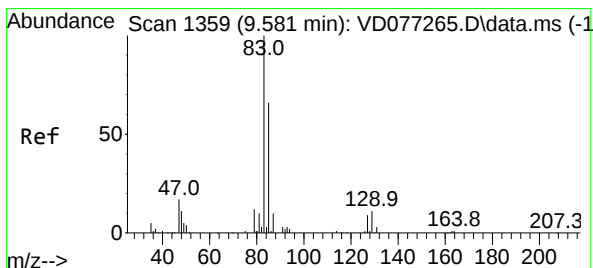
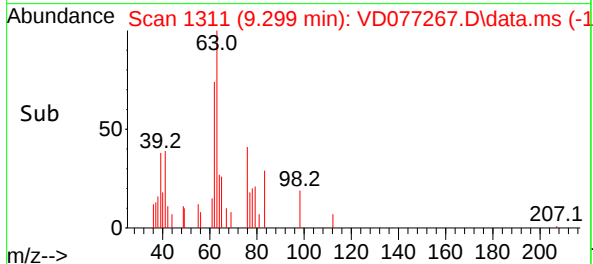
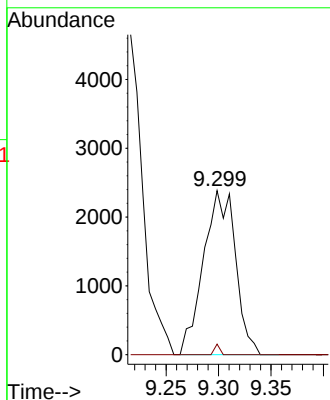
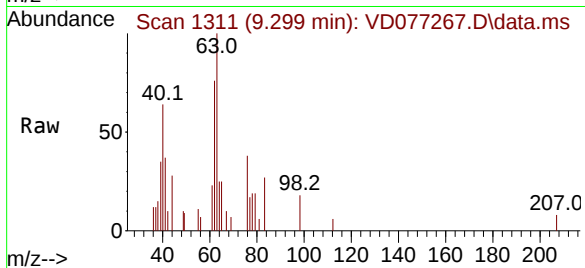
#37
1,2-Dichloropropane
Concen: 1.012 ug/L m
RT: 9.299 min Scan# 1311
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion: 63 Resp: 5062
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2

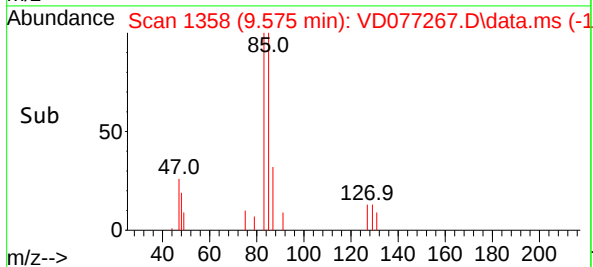
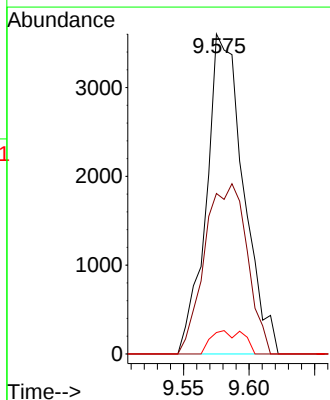
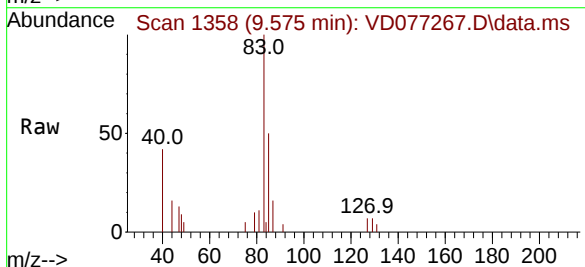
Manual Integrations
APPROVED

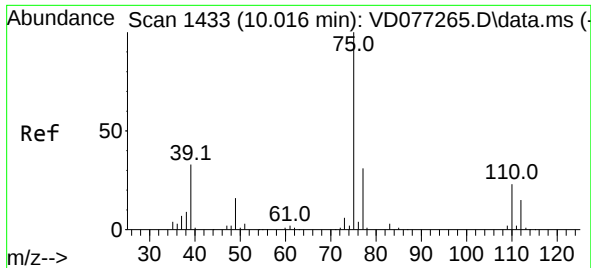
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#38
Bromodichloromethane
Concen: 1.066 ug/L
RT: 9.575 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

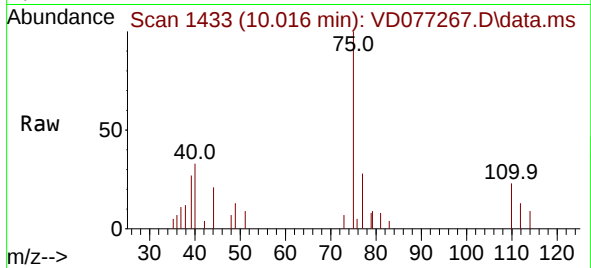
Tgt Ion: 83 Resp: 7085
Ion Ratio Lower Upper
83 100
85 50.2 44.2 82.2
127 6.7 7.1 10.7





#39
 cis-1,3-Dichloropropene
 Concen: 0.997 ug/L
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD077267.D
 Acq: 04 Oct 2023 16:12

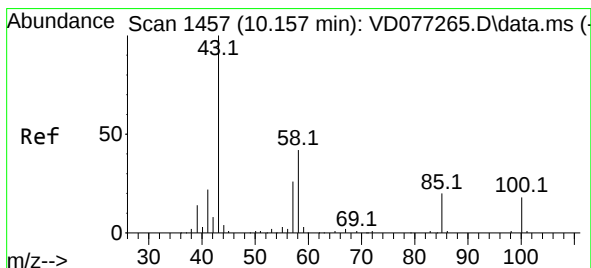
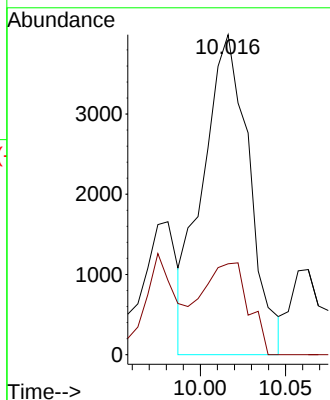
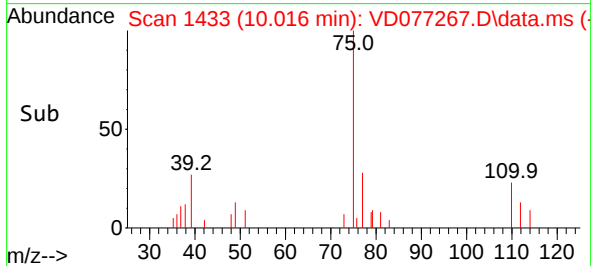
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-07



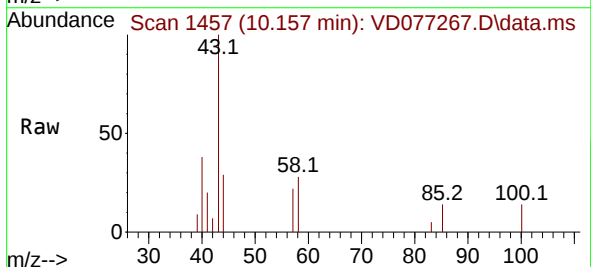
Tgt Ion: 75 Resp: 757
 Ion Ratio Lower Upper
 75 100
 77 28.4 22.0 41.0

Manual Integrations
 APPROVED

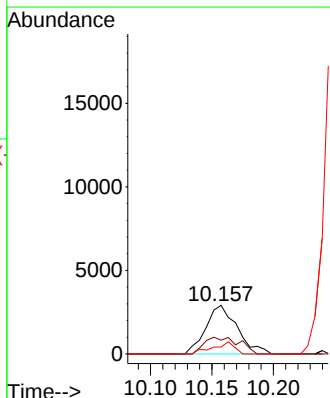
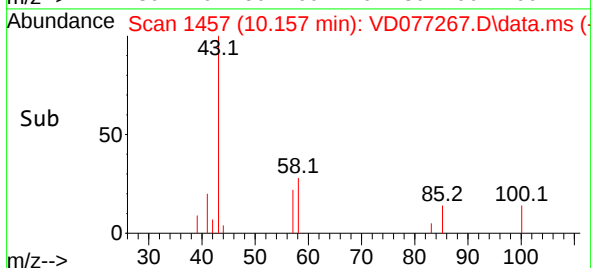
Reviewed By :Mahesh Dadoda 10/10/2023
 Supervised By :Semsettin Yesilyurt 10/10/2023

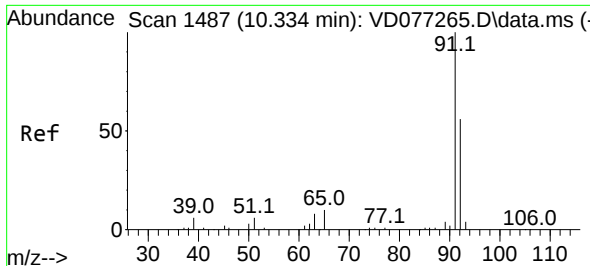


#40
 4-Methyl-2-pentanone
 Concen: 1.806 ug/L m
 RT: 10.157 min Scan# 1457
 Delta R.T. 0.000 min
 Lab File: VD077267.D
 Acq: 04 Oct 2023 16:12



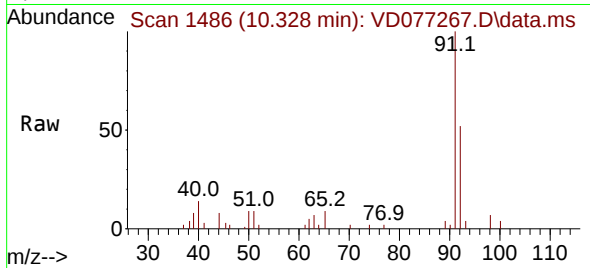
Tgt Ion: 43 Resp: 5178
 Ion Ratio Lower Upper
 43 100
 58 20.4 33.9 50.9#
 100 16.5 14.9 22.3





#42
Toluene
Concen: 1.005 ug/L
RT: 10.328 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

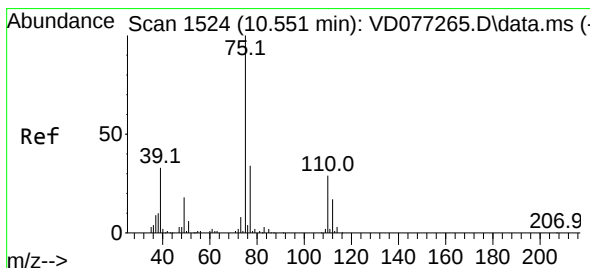
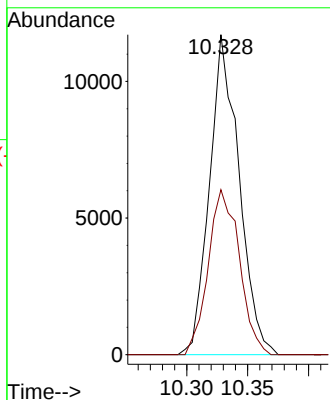
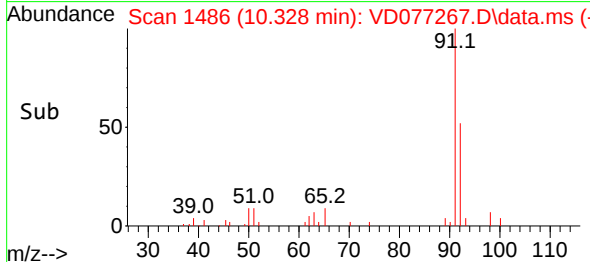
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



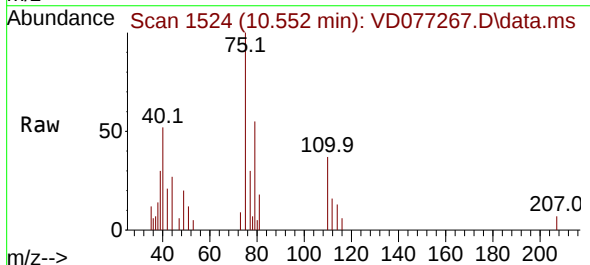
Tgt Ion: 91 Resp: 19762
Ion Ratio Lower Upper
91 100
92 51.5 41.6 77.3

Manual Integrations
APPROVED

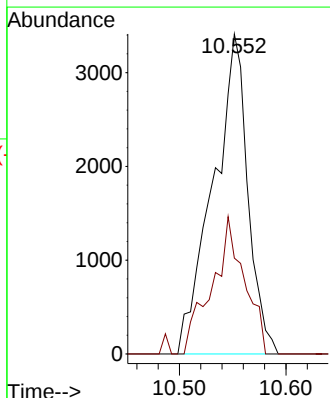
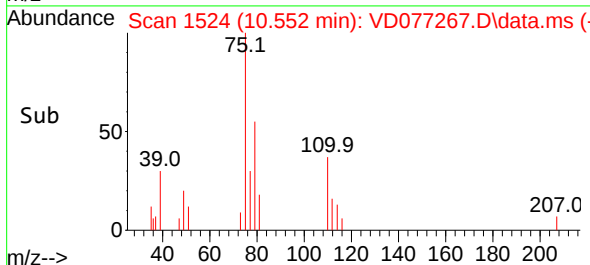
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023

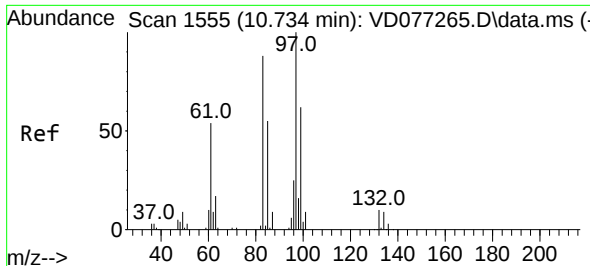


#44
trans-1,3-Dichloropropene
Concen: 1.175 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12



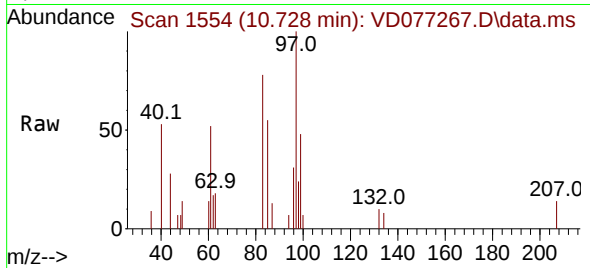
Tgt Ion: 75 Resp: 7718
Ion Ratio Lower Upper
75 100
77 30.0 22.1 41.1





#45
1,1,2-Trichloroethane
Concen: 0.966 ug/L
RT: 10.728 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

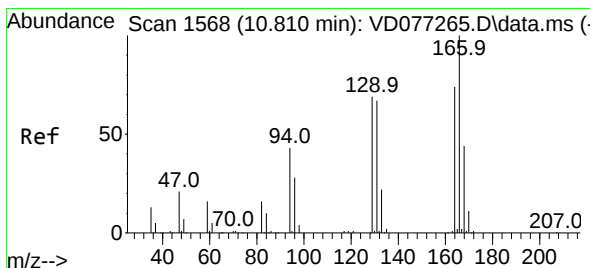
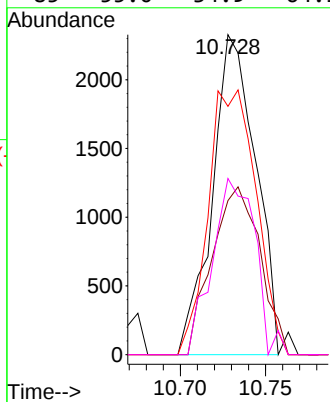
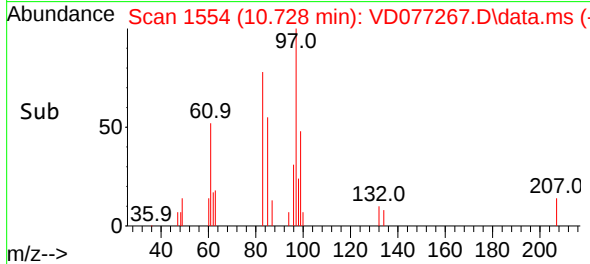
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:	97	Resp:	411
Ion	Ratio	Lower	Upper
97	100		
99	48.2	44.2	82.0
83	77.6	56.4	104.7
85	55.0	34.9	64.9

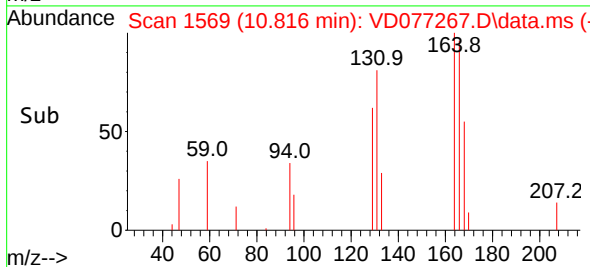
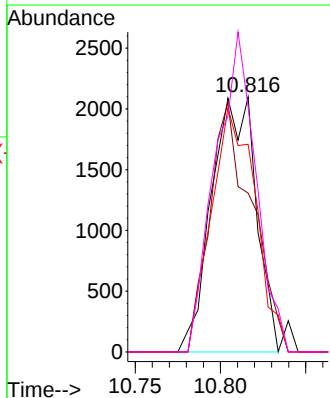
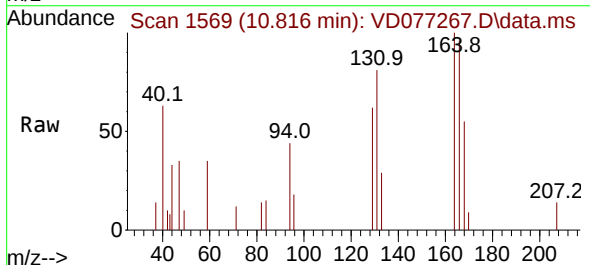
Manual Integrations
APPROVED

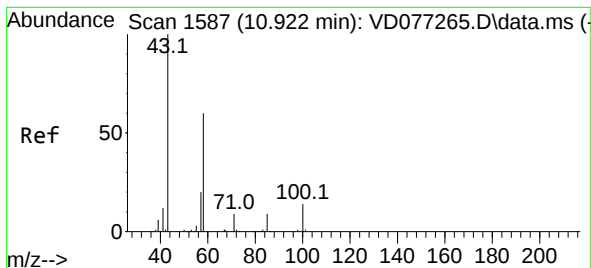
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#46
Tetrachloroethene
Concen: 1.052 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion:	164	Resp:	3798
Ion	Ratio	Lower	Upper
164	100		
129	62.3	66.1	122.8
131	81.4	63.5	117.9
166	96.0	93.4	173.4





#48

2-Hexanone

Concen: 1.795 ug/L

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD077267.D

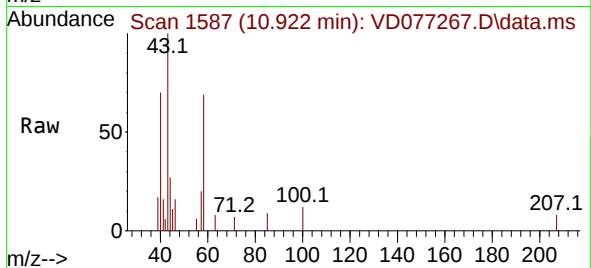
Acq: 04 Oct 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-07

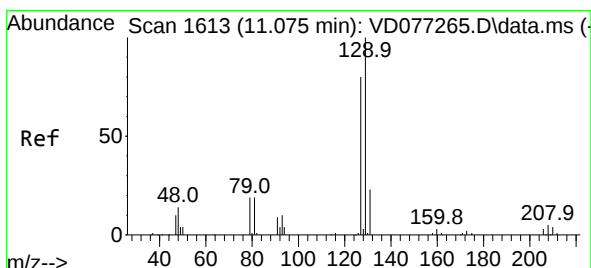
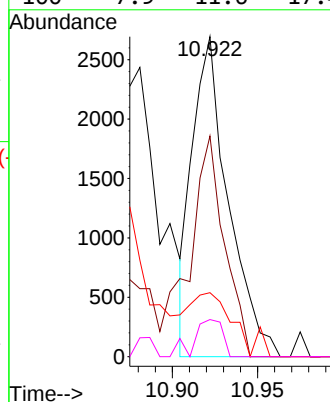
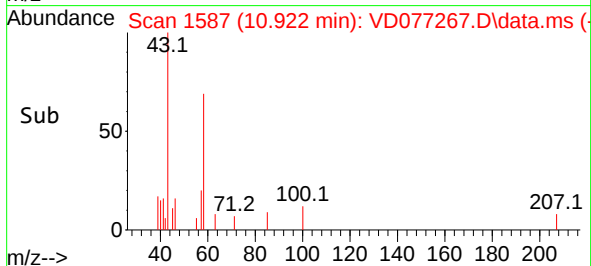


Tgt Ion: 43	Resp: 394
Ion Ratio	Lower Upper
43	100
58	50.5 47.8 71.8
57	25.8 15.6 23.4
100	7.9 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#49

Dibromochloromethane

Concen: 0.970 ug/L

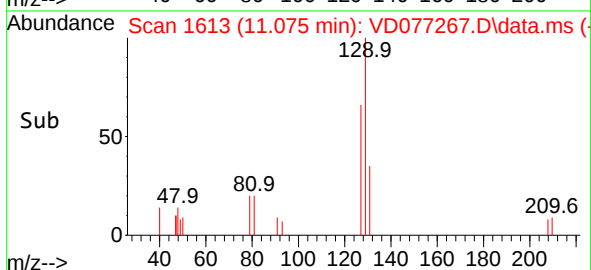
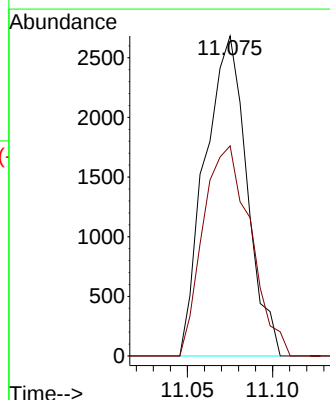
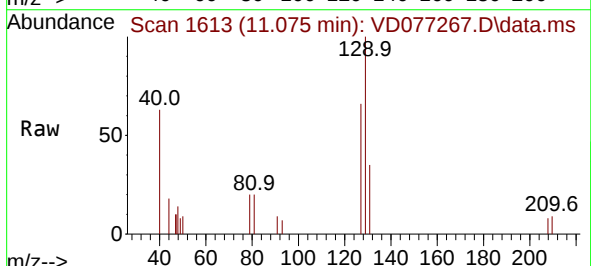
RT: 11.075 min Scan# 1613

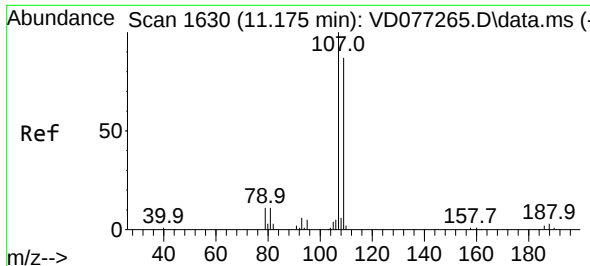
Delta R.T. 0.000 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

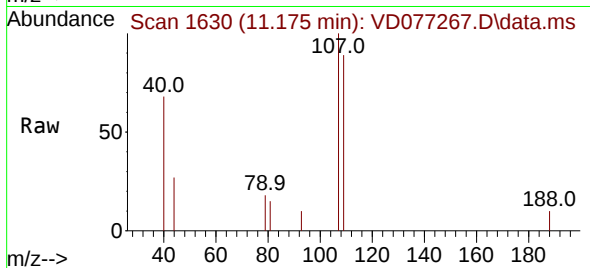
Tgt Ion:129	Resp: 4598
Ion Ratio	Lower Upper
129	100
127	65.6 54.5 101.1





#50
1,2-Dibromoethane
Concen: 0.908 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

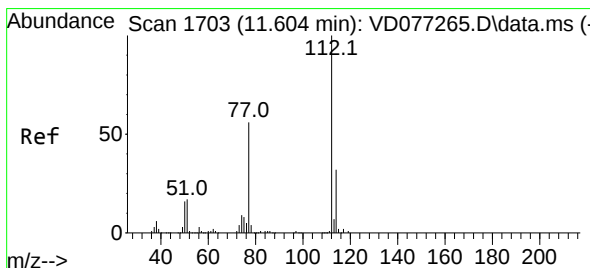
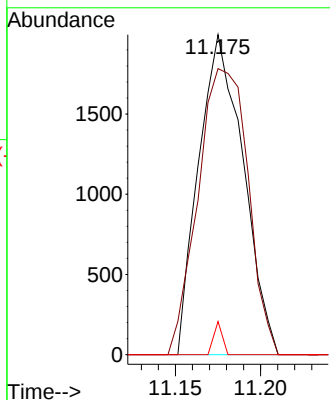
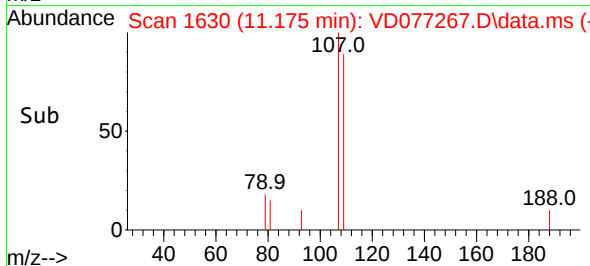
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:107 Resp: 362
Ion Ratio Lower Upper
107 100
109 89.4 68.8 127.8
188 10.3 3.0 4.6

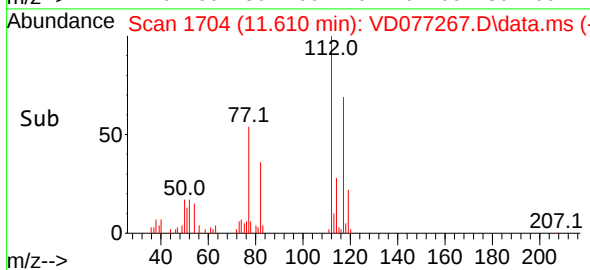
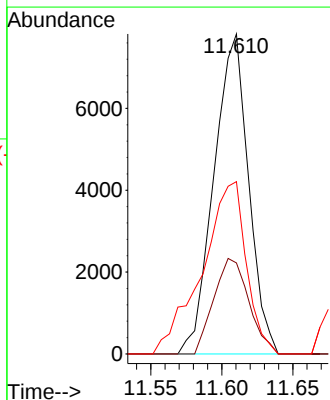
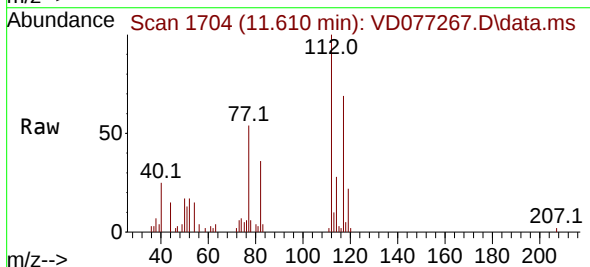
Manual Integrations
APPROVED

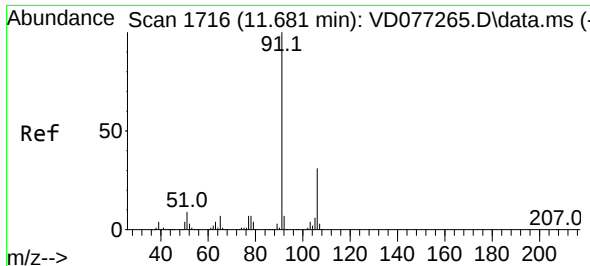
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#51
Chlorobenzene
Concen: 0.991 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

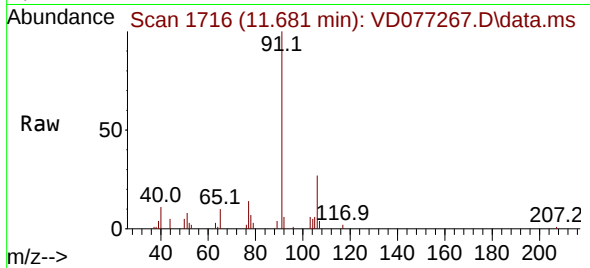
Tgt Ion:112 Resp: 13240
Ion Ratio Lower Upper
112 100
114 28.5 22.7 42.1
77 53.8 40.8 61.2





#52
Ethylbenzene
Concen: 0.928 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

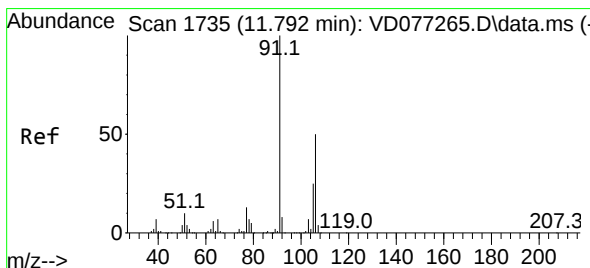
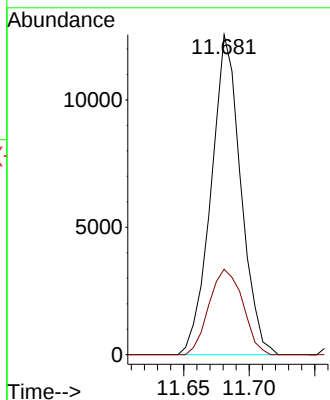
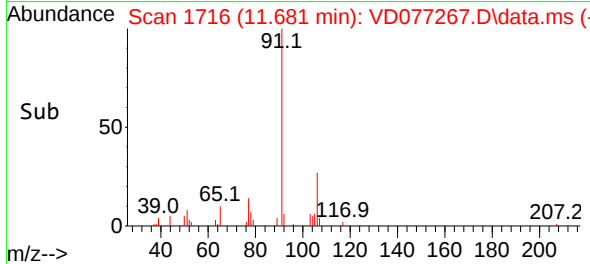
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



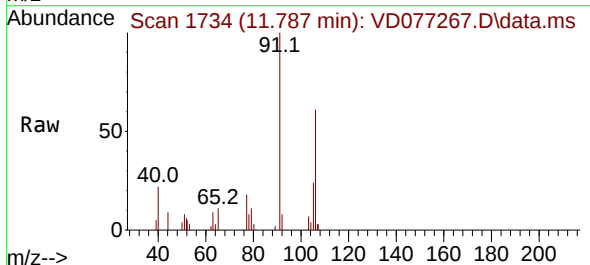
Tgt Ion: 91 Resp: 19794
Ion Ratio Lower Upper
91 100
106 26.7 23.2 43.0

Manual Integrations
APPROVED

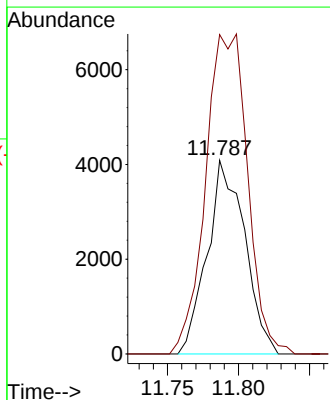
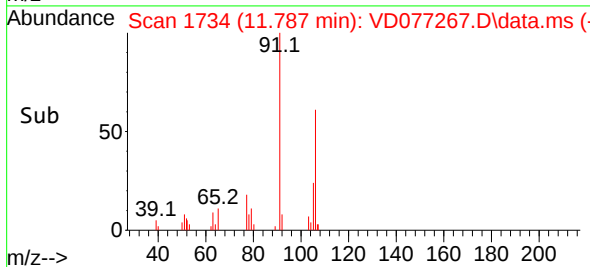
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023

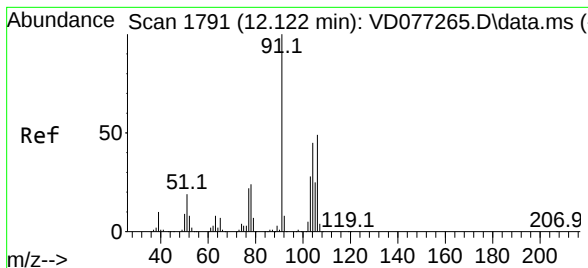


#53
m,p-Xylene
Concen: 0.924 ug/L
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12



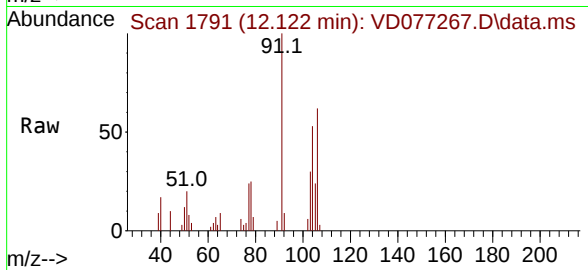
Tgt Ion:106 Resp: 7514
Ion Ratio Lower Upper
106 100
91 164.9 132.8 246.6





#54
o-Xylene
Concen: 0.890 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

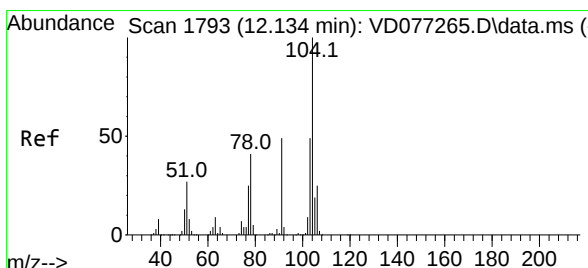
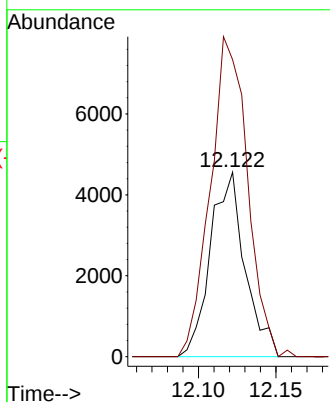
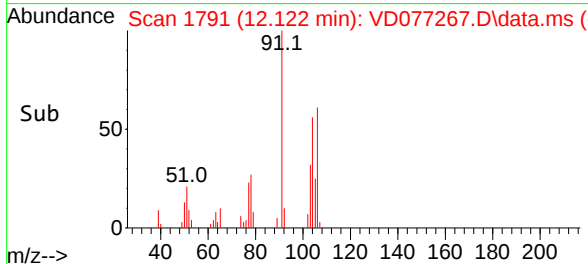
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



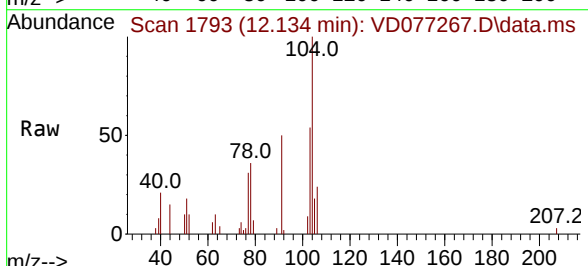
Tgt Ion:106 Resp: 7059
Ion Ratio Lower Upper
106 100
91 160.9 146.7 272.5

Manual Integrations
APPROVED

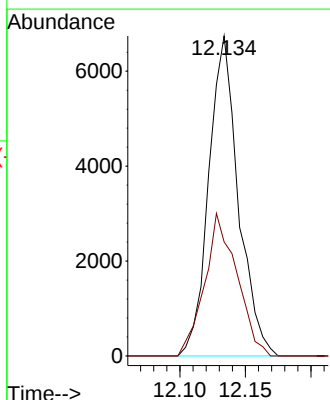
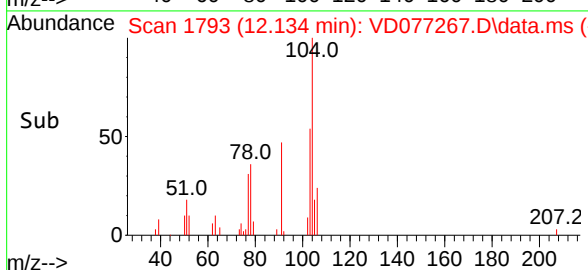
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023

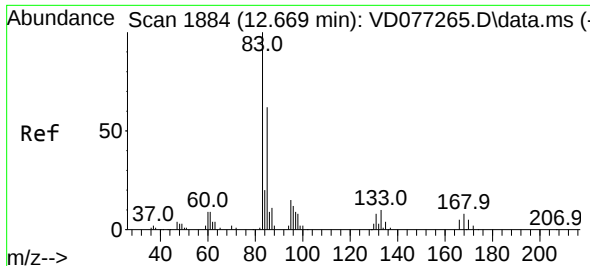


#55
Styrene
Concen: 0.734 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12



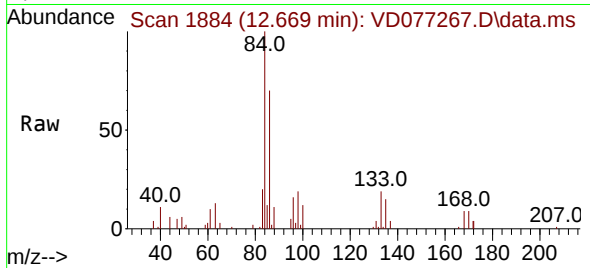
Tgt Ion:104 Resp: 10578
Ion Ratio Lower Upper
104 100
78 35.7 29.0 53.8





#57
1,1,2,2-Tetrachloroethane
Concen: 1.055 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

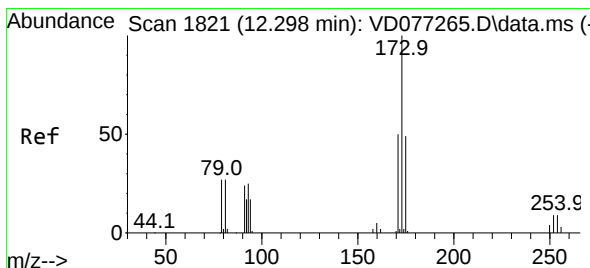
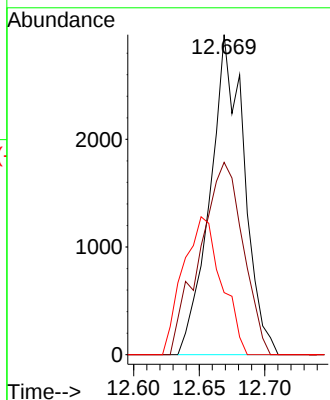
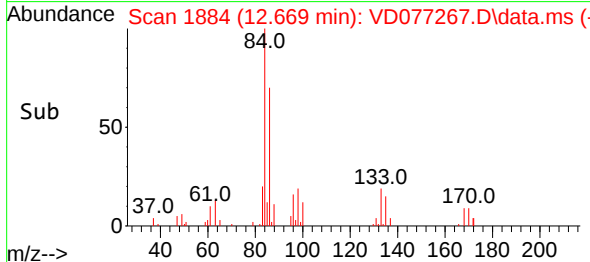
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 83 Resp: 537
Ion Ratio Lower Upper
83 100
85 60.1 44.0 81.8
131 19.4 7.7 11.5

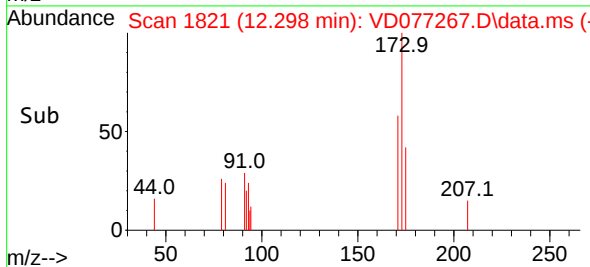
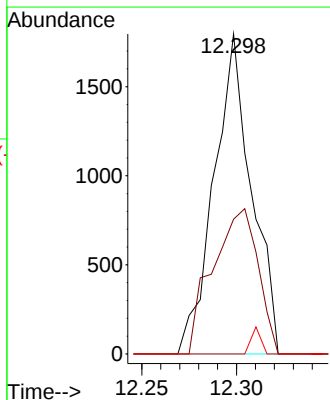
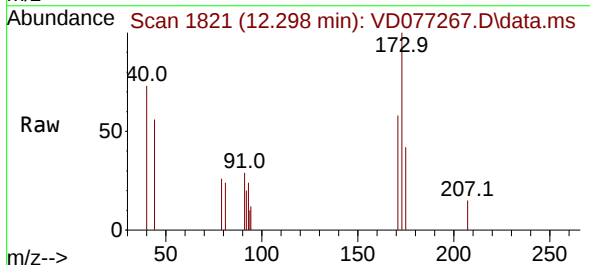
Manual Integrations
APPROVED

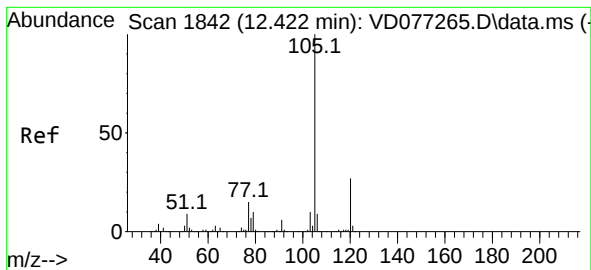
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#59
Bromoform
Concen: 0.888 ug/L
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion:173 Resp: 2471
Ion Ratio Lower Upper
173 100
175 55.0 39.5 59.3
254 0.0 7.1 10.7





#60

Isopropylbenzene

Concen: 0.856 ug/L

RT: 12.416 min Scan# 1841

Delta R.T. -0.006 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

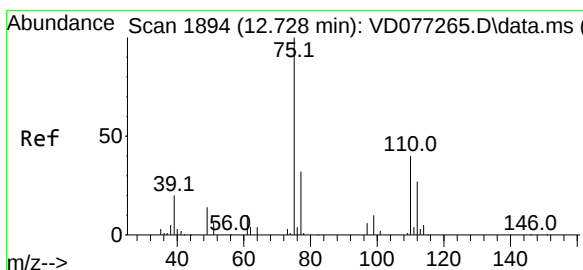
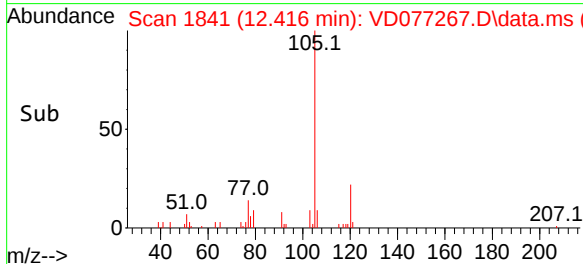
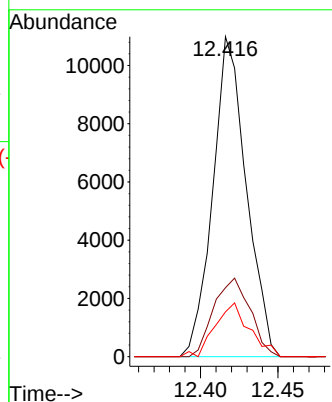
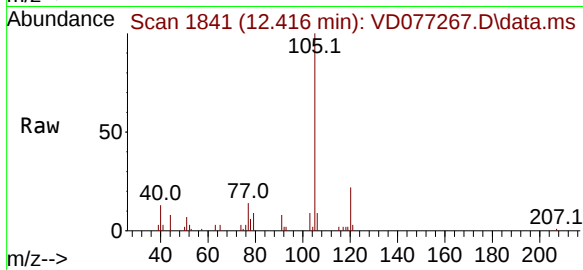
MDL-SOIL-QT4-2023-07

Tgt Ion:	105	Resp:	1652
Ion Ratio	Lower	Upper	
105	100		
120	26.7	21.3	31.9
77	16.8	11.5	17.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#61

1,2,3-Trichloropropane

Concen: 0.989 ug/L

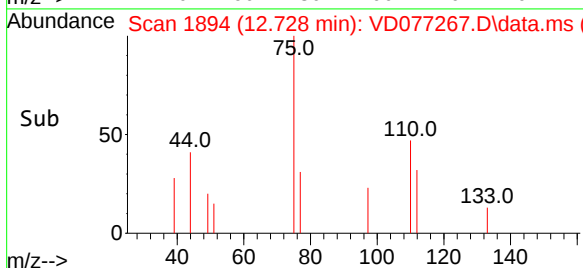
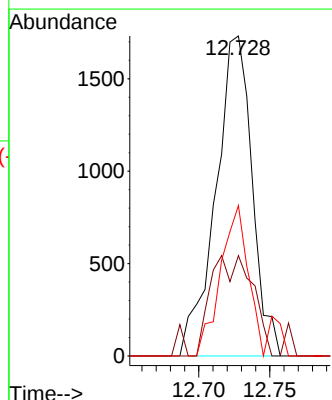
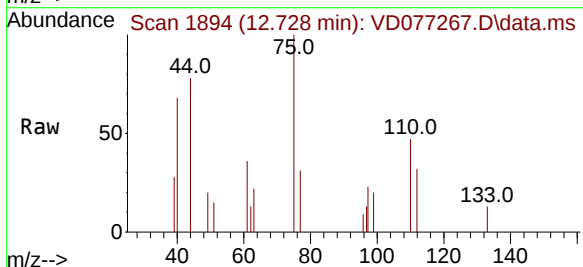
RT: 12.728 min Scan# 1894

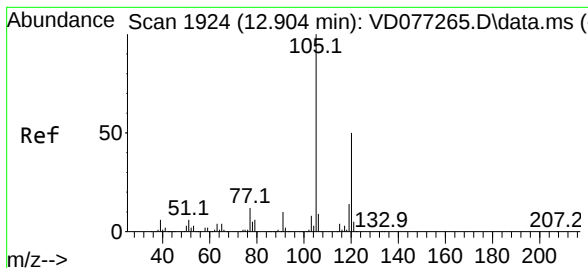
Delta R.T. 0.000 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Tgt Ion:	75	Resp:	3094
Ion Ratio	Lower	Upper	
75	100		
77	18.9	25.3	37.9
110	35.6	33.8	50.8





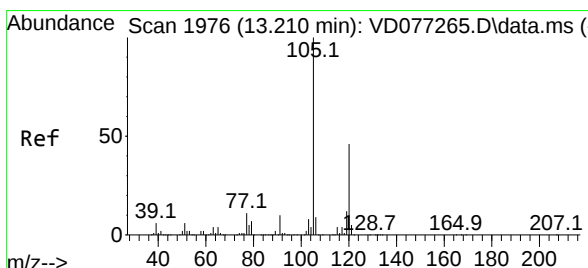
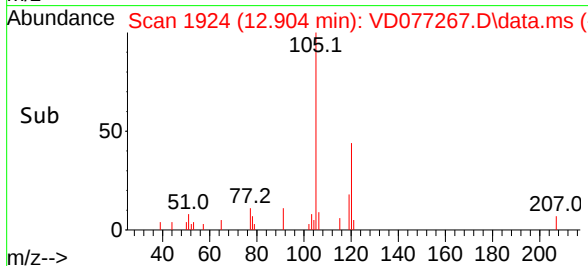
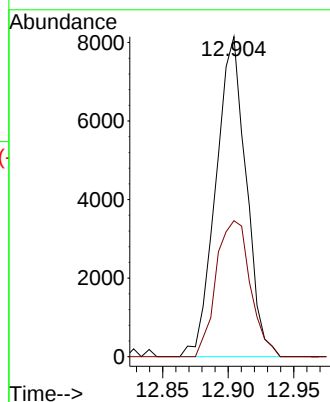
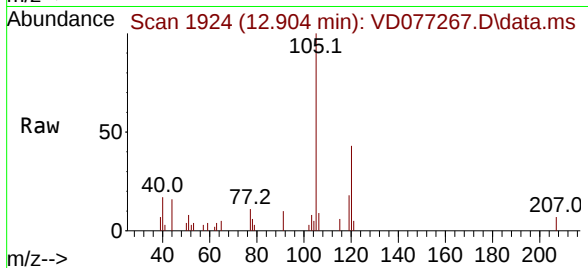
#62
1,3,5-Trimethylbenzene
Concen: 0.886 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion:105 Resp: 13080
Ion Ratio Lower Upper
105 100
120 47.9 39.4 59.2

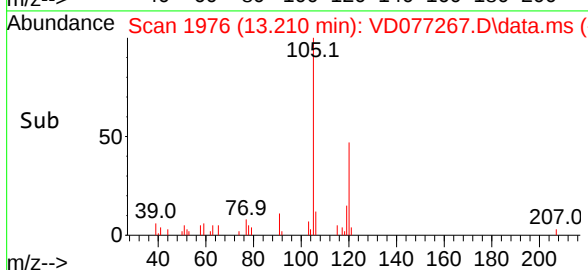
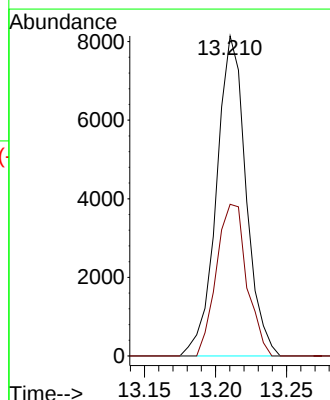
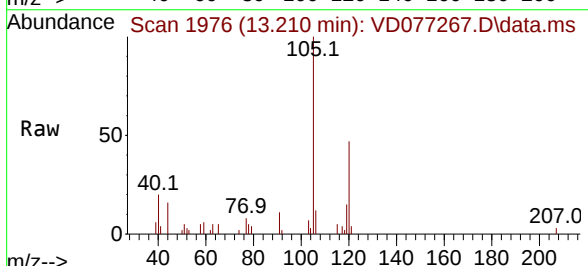
Manual Integrations
APPROVED

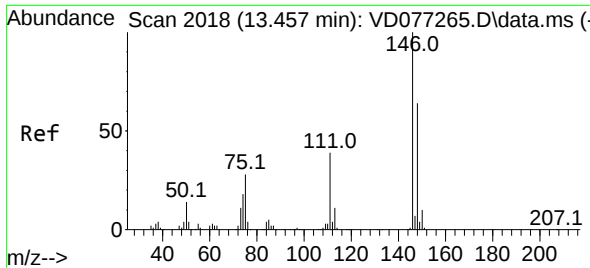
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.804 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

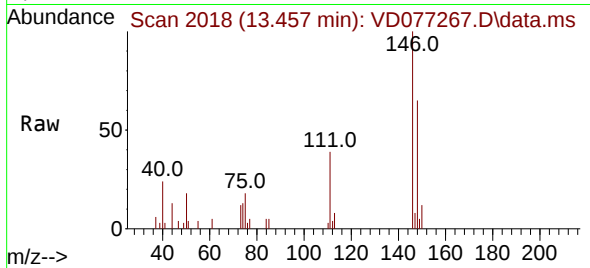
Tgt Ion:105 Resp: 11785
Ion Ratio Lower Upper
105 100
120 48.7 37.6 56.4





#64
1,3-Dichlorobenzene
Concen: 0.946 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

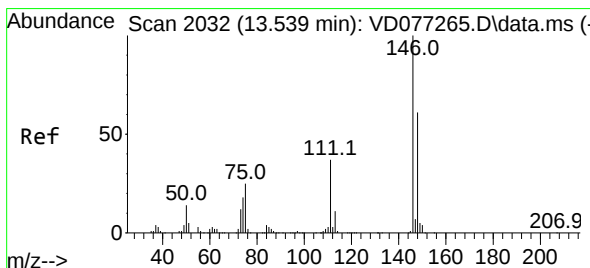
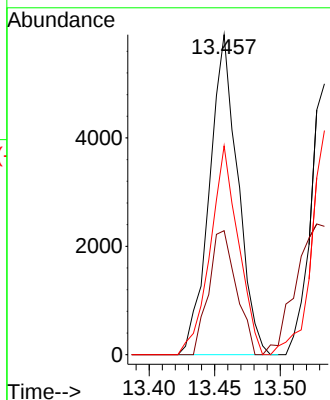
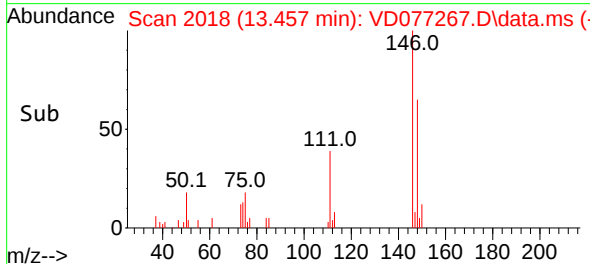
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



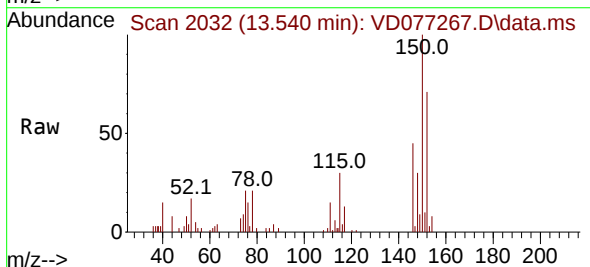
Tgt Ion:146 Resp: 8892
Ion Ratio Lower Upper
146 100
111 38.7 26.1 48.5
148 65.3 45.3 84.1

Manual Integrations
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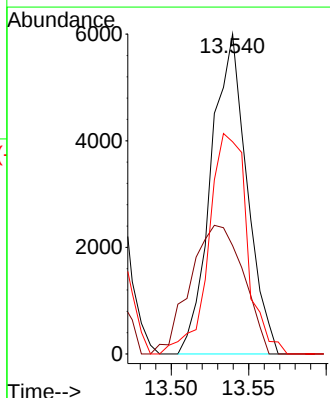
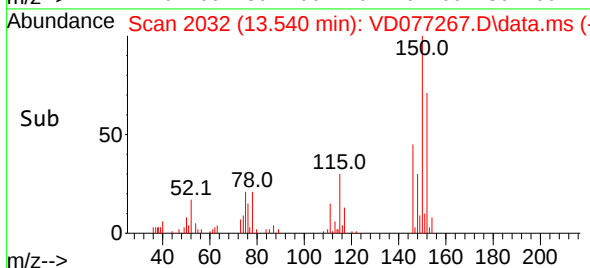
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023

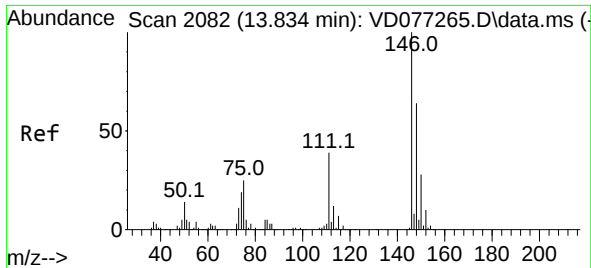


#65
1,4-Dichlorobenzene
Concen: 0.981 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12



Tgt Ion:146 Resp: 9632
Ion Ratio Lower Upper
146 100
111 33.9 24.6 45.8
148 66.3 43.5 80.7





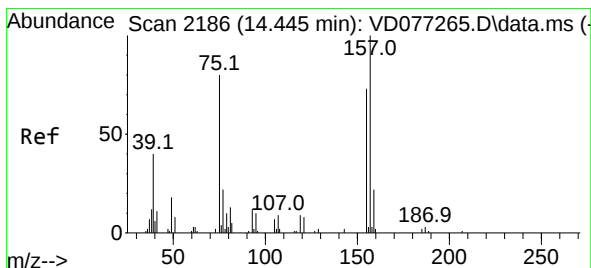
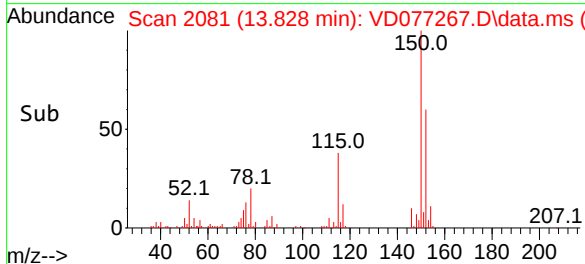
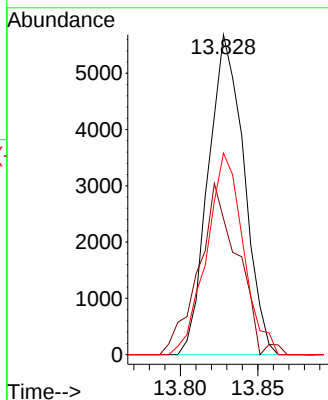
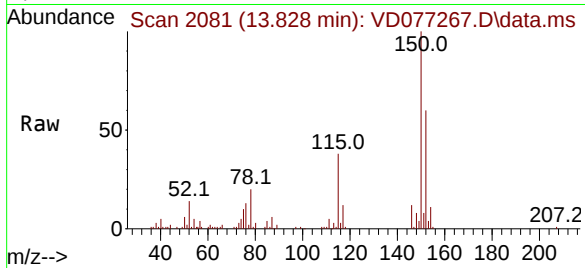
#67
1,2-Dichlorobenzene
Concen: 1.050 ug/L
RT: 13.828 min Scan# 2082
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion:146 Resp: 909
Ion Ratio Lower Upper
146 100
111 42.5 32.3 48.5
148 63.0 51.4 77.0

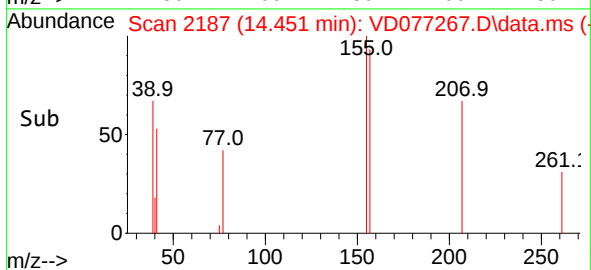
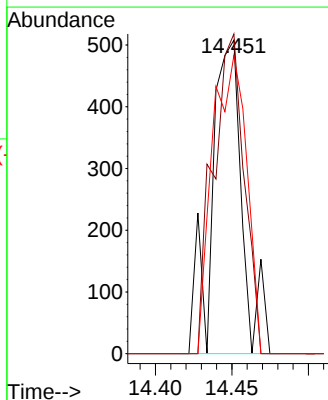
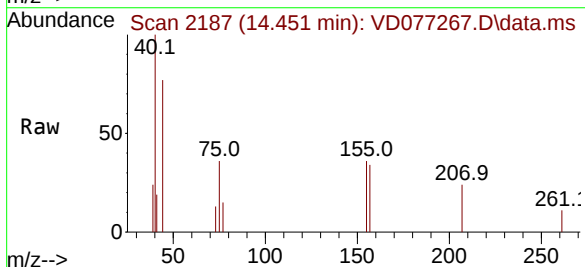
Manual Integrations
APPROVED

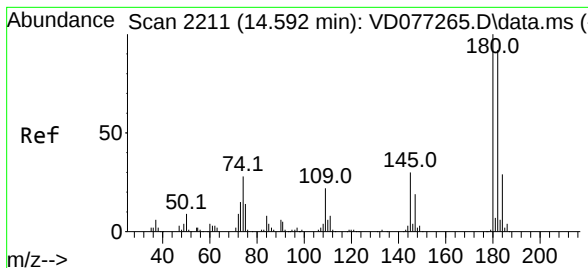
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 1.056 ug/L m
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

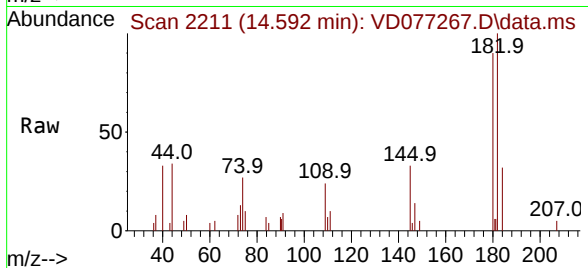
Tgt Ion: 75 Resp: 707
Ion Ratio Lower Upper
75 100
155 102.0 69.8 104.6
157 95.1 91.5 137.3





#69
1,3,5-Trichlorobenzene
Concen: 0.999 ug/L m
RT: 14.592 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

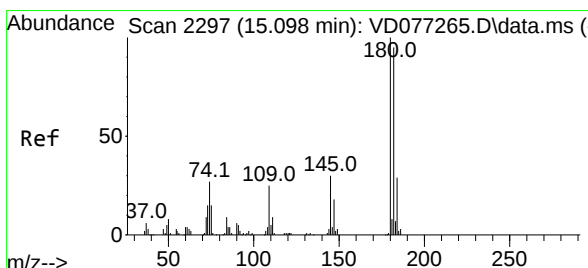
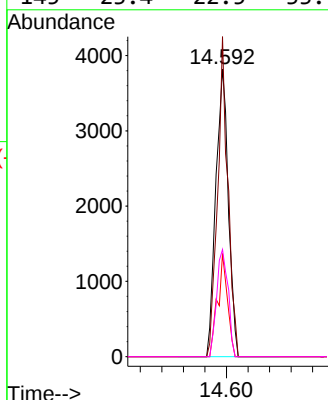
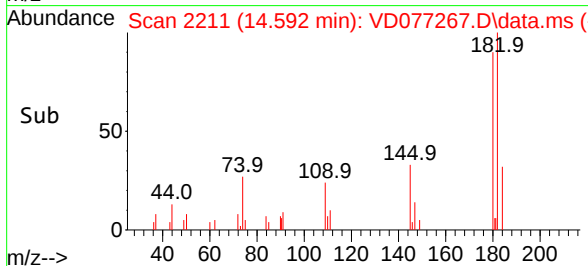
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 617
Ion Ratio Lower Upper
180 100
182 79.4 75.2 112.8
184 23.5 25.0 37.4
145 23.4 22.5 33.7

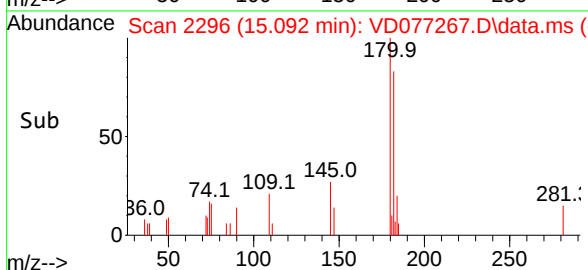
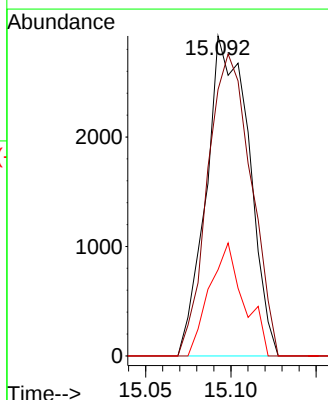
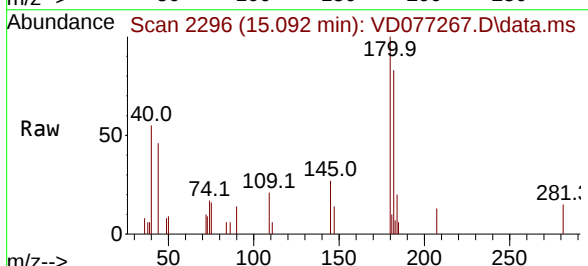
Manual Integrations
APPROVED

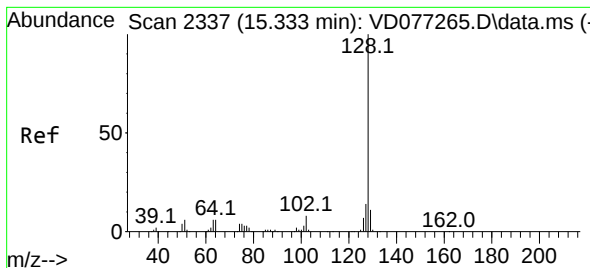
Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#70
1,2,4-trichlorobenzene
Concen: 0.956 ug/L
RT: 15.092 min Scan# 2296
Delta R.T. -0.006 min
Lab File: VD077267.D
Acq: 04 Oct 2023 16:12

Tgt Ion:180 Resp: 5064
Ion Ratio Lower Upper
180 100
182 96.7 76.8 115.2
145 28.6 23.0 34.6





#71

Naphthalene

Concen: 0.931 ug/L

RT: 15.328 min Scan# 2336

Delta R.T. -0.006 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Instrument :

MSVOA_D

ClientSampleId :

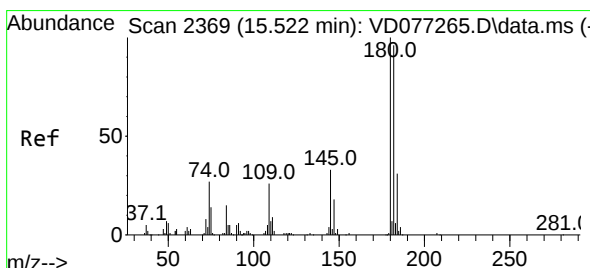
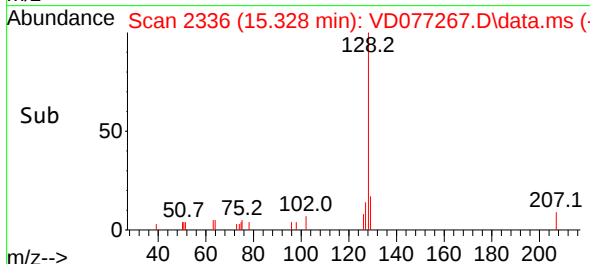
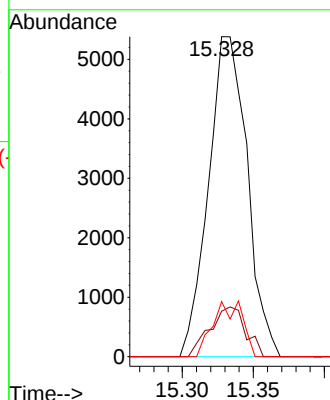
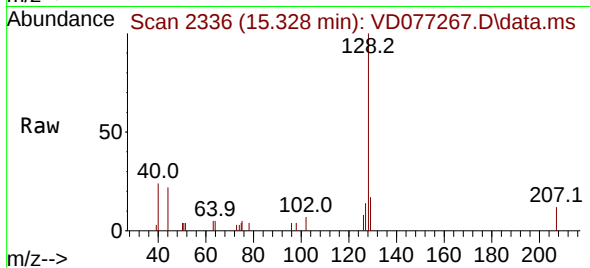
MDL-SOIL-QT4-2023-07

Tgt Ion:	128	Resp:	10200
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.5	15.7
129	13.2	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/10/2023
Supervised By :Semsettin Yesilyurt 10/10/2023



#72

1,2,3-Trichlorobenzene

Concen: 0.939 ug/L

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD077267.D

Acq: 04 Oct 2023 16:12

Tgt Ion:	180	Resp:	4646
Ion Ratio	Lower	Upper	
180	100		
182	99.1	77.4	116.2
145	34.6	25.5	38.3

