

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075508.D
 Acq On : 13 Mar 2023 14:40
 Operator : KP/SY
 Sample : 01627-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 06:13:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 14 06:13:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	104436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	179314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	159096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	70897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52819	55.738	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.480%
35) Dibromofluoromethane	7.810	113	67305	54.803	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.600%
50) Toluene-d8	10.269	98	263819	54.377	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.760%
62) 4-Bromofluorobenzene	12.575	95	68178	48.611	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.220%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	3012	2.892	ug/l	94
3) Chloromethane	2.146	50	5194	3.013	ug/l #	83
4) Vinyl Chloride	2.287	62	6779	2.705	ug/l	93
5) Bromomethane	2.699	94	6182	3.148	ug/l	96
6) Chloroethane	2.840	64	4713	2.807	ug/l #	83
7) Trichlorofluoromethane	3.175	101	5388	2.667	ug/l	99
8) Diethyl Ether	3.599	74	1385	2.568	ug/l	56
9) 1,1,2-Trichlorotrifluo...	3.969	101	3602	2.740	ug/l #	68
10) Methyl Iodide	4.163	142	3527	2.249	ug/l #	70
11) Tert butyl alcohol	5.057	59	238	5.439	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	3384m	2.607	ug/l	
13) Acrolein	3.799	56	1096	12.587	ug/l #	76
14) Allyl chloride	4.563	41	2556	2.289	ug/l #	71
15) Acrylonitrile	5.269	53	2432m	12.299	ug/l	
16) Acetone	4.016	43	2351	13.327	ug/l	98
17) Carbon Disulfide	4.269	76	10674	2.725	ug/l	99
18) Methyl Acetate	4.569	43	1138	2.268	ug/l #	79
19) Methyl tert-butyl Ether	5.322	73	5199	2.310	ug/l	93
20) Methylene Chloride	4.810	84	12638	7.481	ug/l #	71
21) trans-1,2-Dichloroethene	5.316	96	3831	2.596	ug/l #	53
22) Diisopropyl ether	6.216	45	5582	2.306	ug/l #	82
23) Vinyl Acetate	6.157	43	12397	10.553	ug/l #	74
24) 1,1-Dichloroethane	6.110	63	5445	2.597	ug/l #	91
25) 2-Butanone	7.087	43	3181	14.396	ug/l #	58
26) 2,2-Dichloropropane	7.081	77	5648	2.929	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	3885	2.457	ug/l	89
28) Bromochloromethane	7.422	49	1551	2.295	ug/l #	52
29) Tetrahydrofuran	7.439	42	1093	9.088	ug/l #	48
30) Chloroform	7.592	83	6054	2.600	ug/l	89
31) Cyclohexane	7.875	56	5600	3.318	ug/l #	59
32) 1,1,1-Trichloroethane	7.798	97	5248	2.570	ug/l	98
36) 1,1-Dichloropropene	8.010	75	4342	2.386	ug/l	96
37) Ethyl Acetate	7.175	43	1161	2.448	ug/l #	80
38) Carbon Tetrachloride	7.998	117	4044	2.319	ug/l	93
39) Methylcyclohexane	9.281	83	5393	2.350	ug/l #	80
40) Benzene	8.251	78	13550	2.484	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	359	1.437	ug/l #	36
42) 1,2-Dichloroethane	8.328	62	3199	2.664	ug/l	80
43) Isopropyl Acetate	8.363	43	2054	2.341	ug/l #	58
44) Trichloroethene	9.028	130	3901	2.434	ug/l	78
45) 1,2-Dichloropropane	9.304	63	2915	2.486	ug/l #	82
46) Dibromomethane	9.392	93	1760	2.435	ug/l	95
47) Bromodichloromethane	9.581	83	4610	2.634	ug/l	91
48) Methyl methacrylate	9.381	41	791	1.919	ug/l #	56
49) 1,4-Dioxane	9.369	88	120	18.305	ug/l #	21
51) 4-Methyl-2-Pentanone	10.157	43	5043	11.051	ug/l	90
52) Toluene	10.339	92	8874	2.511	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	3810	2.420	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	4665	2.413	ug/l #	77
55) 1,1,2-Trichloroethane	10.739	97	2727	2.666	ug/l #	91
56) Ethyl methacrylate	10.604	69	2221	2.280	ug/l #	63
57) 1,3-Dichloropropane	10.880	76	3924	2.492	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	4752	9.968	ug/l #	87
59) 2-Hexanone	10.922	43	3429	10.625	ug/l	87
60) Dibromochloromethane	11.075	129	2870	2.374	ug/l	100
61) 1,2-Dibromoethane	11.186	107	2354	2.443	ug/l	99
64) Tetrachloroethene	10.810	164	3348	2.667	ug/l	94
65) Chlorobenzene	11.610	112	9870	2.616	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.686	131	3122	2.415	ug/l	95
67) Ethyl Benzene	11.686	91	14228	2.190	ug/l	97
68) m/p-Xylenes	11.792	106	10970	4.200	ug/l	98
69) o-Xylene	12.122	106	4847	1.998	ug/l	99
70) Styrene	12.139	104	7876	1.952	ug/l	93
71) Bromoform	12.304	173	1710	2.591	ug/l #	93
73) Isopropylbenzene	12.422	105	12685	2.234	ug/l	98
74) N-amyl acetate	12.245	43	1613	2.293	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.680	83	2646	2.748	ug/l #	92
76) 1,2,3-Trichloropropane	12.727	75	1450m	2.494	ug/l	
77) Bromobenzene	12.704	156	3455	2.560	ug/l	93
78) n-propylbenzene	12.769	91	17255	2.501	ug/l	100
79) 2-Chlorotoluene	12.851	91	9784	2.617	ug/l	96
80) 1,3,5-Trimethylbenzene	12.910	105	10247	2.201	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.480	75	452m	1.635	ug/l	
82) 4-Chlorotoluene	12.951	91	9484	2.459	ug/l	99
83) tert-Butylbenzene	13.174	119	9107	2.251	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	9218	2.049	ug/l	88
85) sec-Butylbenzene	13.351	105	14068	2.246	ug/l	94
86) p-Isopropyltoluene	13.463	119	10617	2.074	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	7282	2.610	ug/l	95
88) 1,4-Dichlorobenzene	13.545	146	7319	2.652	ug/l	93
89) n-Butylbenzene	13.792	91	10946	2.332	ug/l	96
90) Hexachloroethane	14.057	117	2355	2.383	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	6169	2.613	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	294	2.426	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	3675	2.669	ug/l	91
94) Hexachlorobutadiene	15.204	225	1731	2.636	ug/l	91
95) Naphthalene	15.339	128	6084	2.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.527	180	3081	2.593	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Mar 14 06:13:23 2023
Response via : Initial Calibration

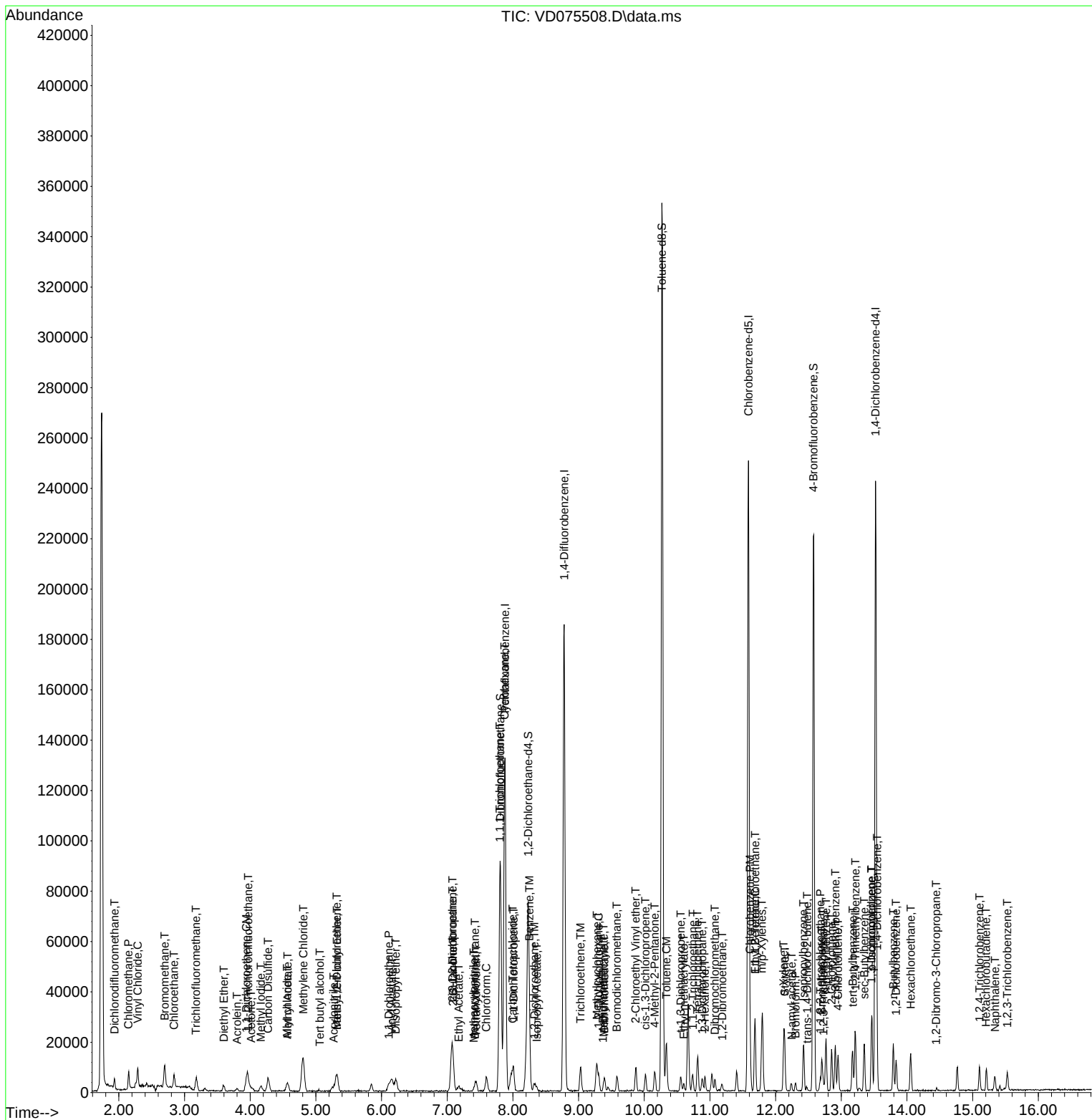
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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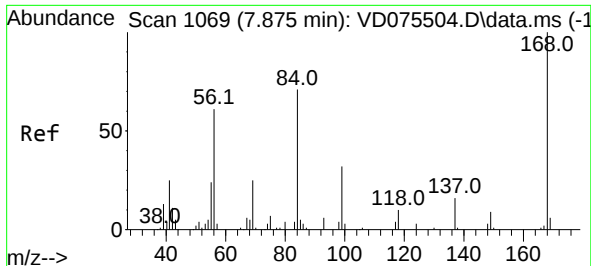
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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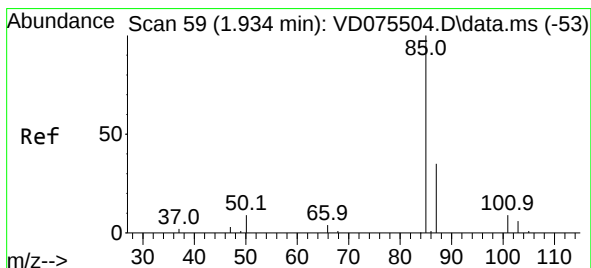
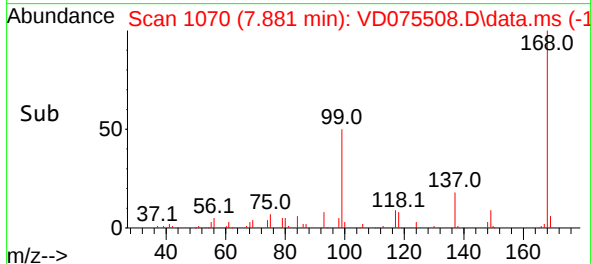
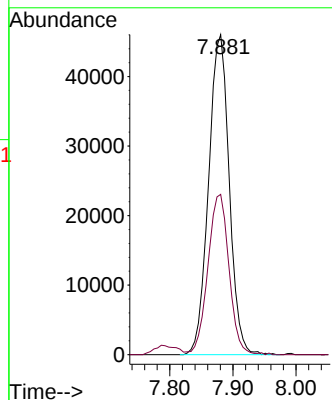
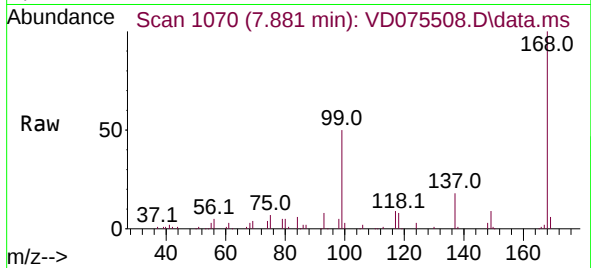




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD075508.D
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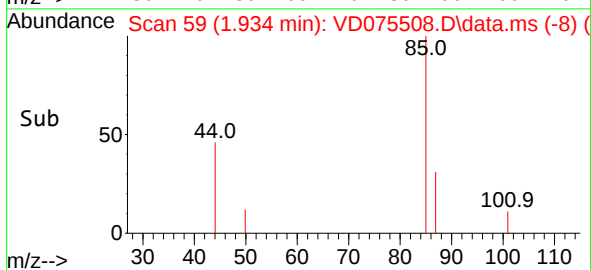
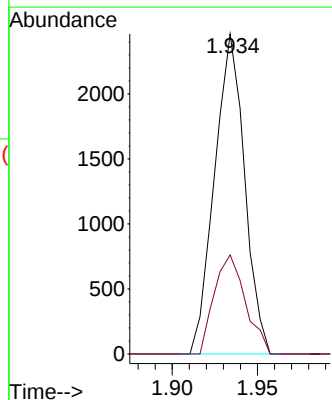
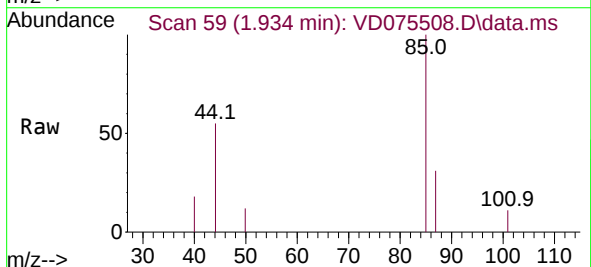
Instrument :
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MDL-SOIL-03-QT1-2022

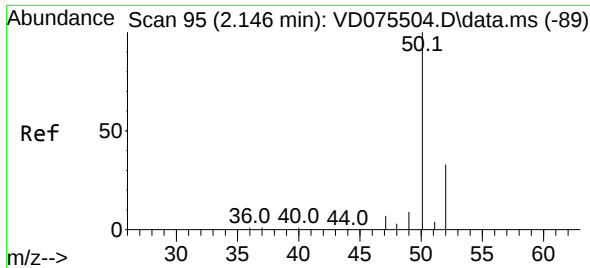
Tgt Ion:168 Resp: 104436
Ion Ratio Lower Upper
168 100
99 50.1 43.8 65.6



#2
Dichlorodifluoromethane
Concen: 2.892 ug/l
RT: 1.934 min Scan# 59
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 85 Resp: 3012
Ion Ratio Lower Upper
85 100
87 30.9 17.3 51.7

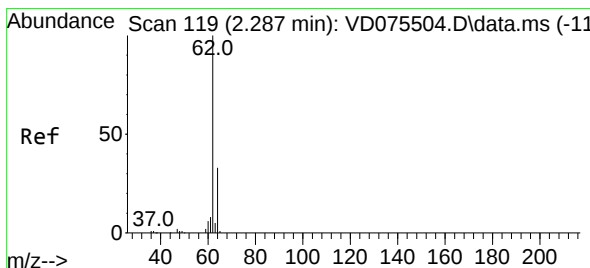
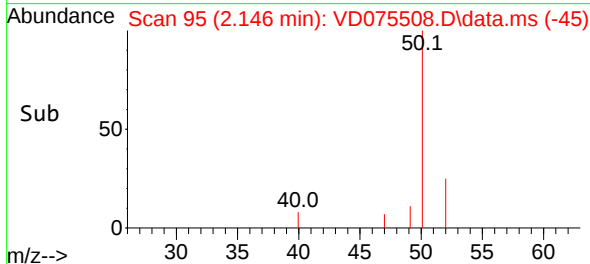
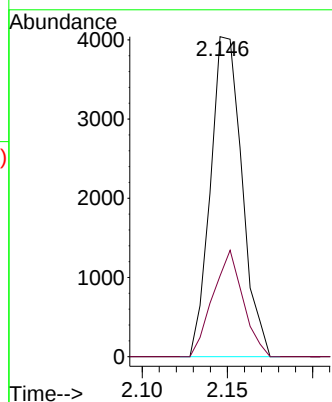
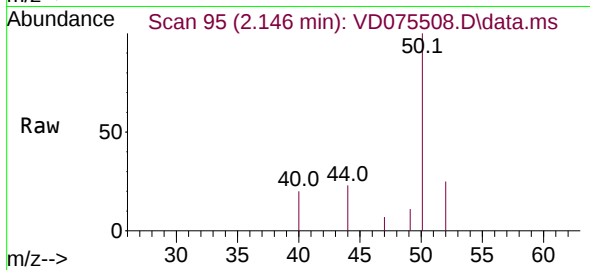




#3
Chloromethane
Concen: 3.013 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

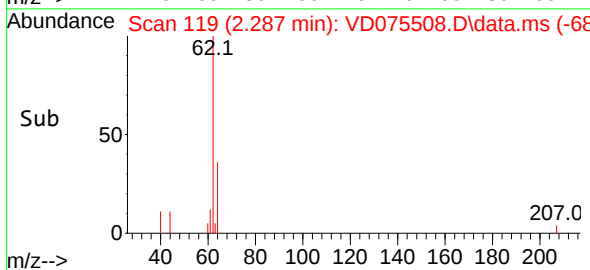
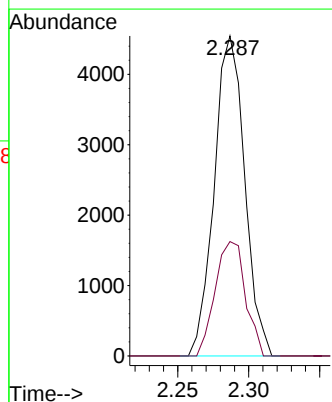
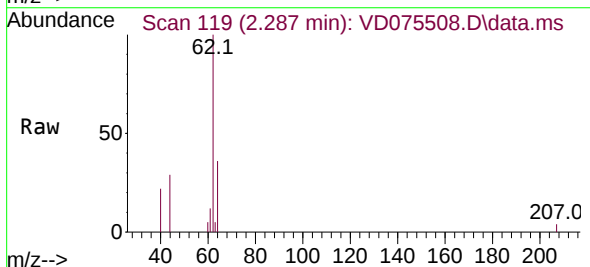
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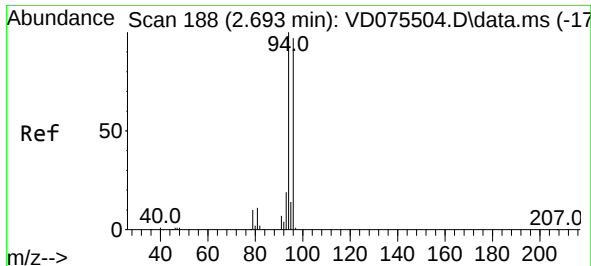
Tgt Ion: 50 Resp: 5194
Ion Ratio Lower Upper
50 100
52 25.2 27.8 41.8#



#4
Vinyl Chloride
Concen: 2.705 ug/l
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 62 Resp: 6779
Ion Ratio Lower Upper
62 100
64 35.7 25.4 38.0

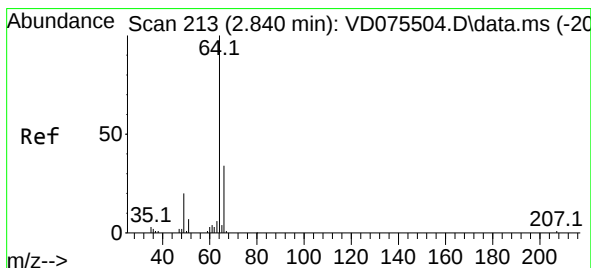
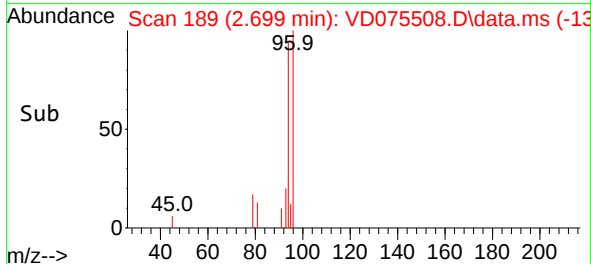
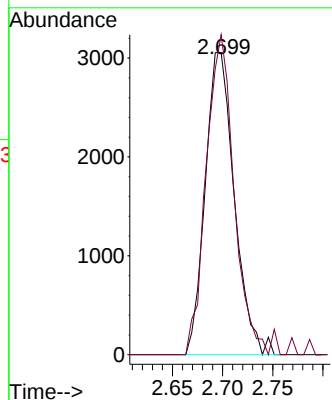
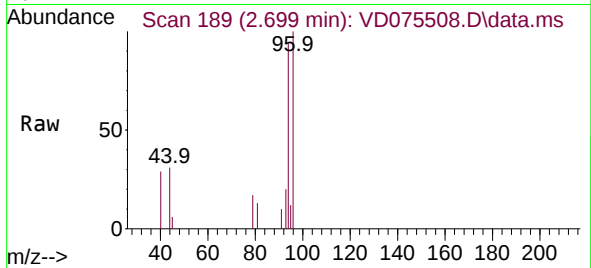




#5
Bromomethane
Concen: 3.148 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

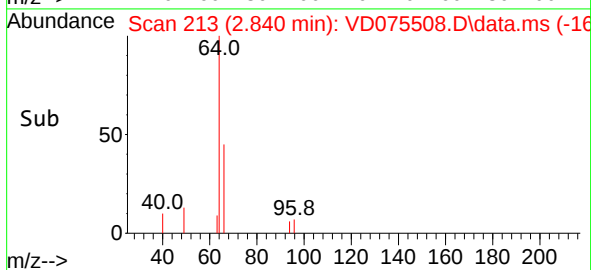
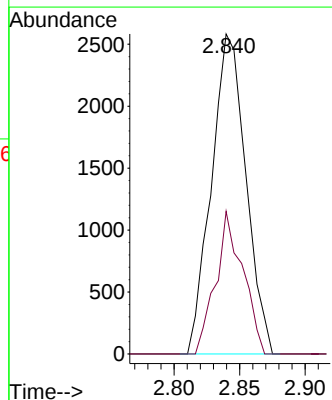
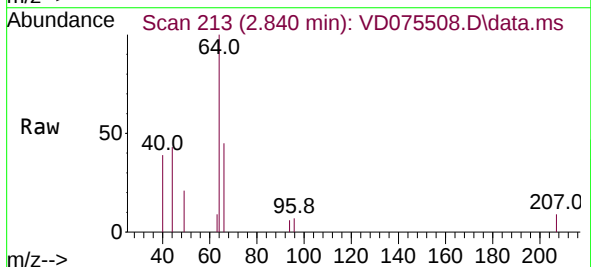
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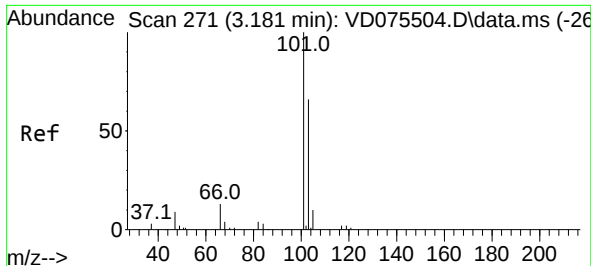
Tgt Ion: 94 Resp: 6182
Ion Ratio Lower Upper
94 100
96 101.1 77.5 116.3



#6
Chloroethane
Concen: 2.807 ug/l
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 64 Resp: 4713
Ion Ratio Lower Upper
64 100
66 44.6 27.7 41.5#

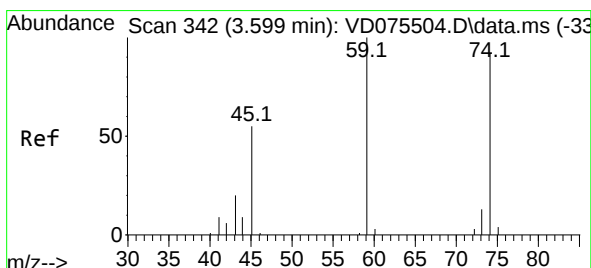
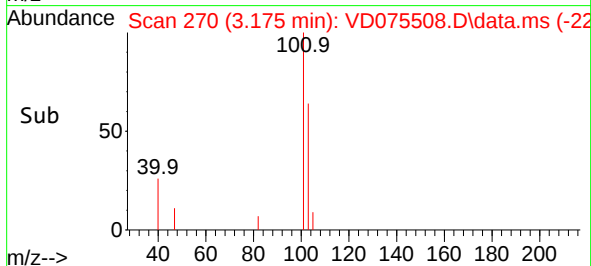
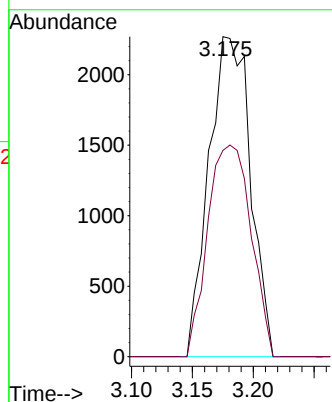
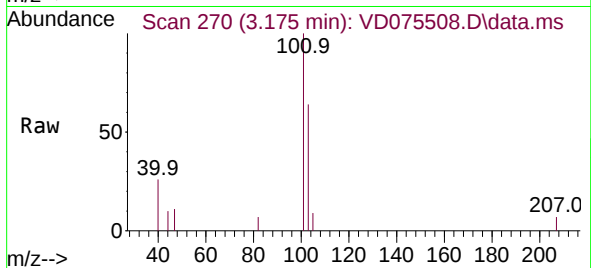




#7
Trichlorofluoromethane
Concen: 2.667 ug/l
RT: 3.175 min Scan# 271
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

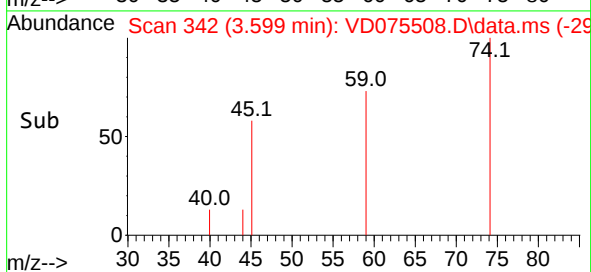
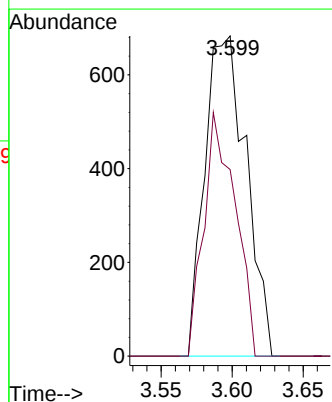
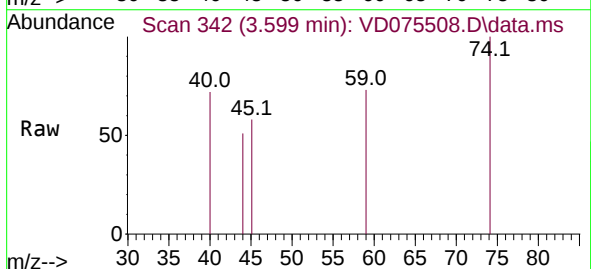
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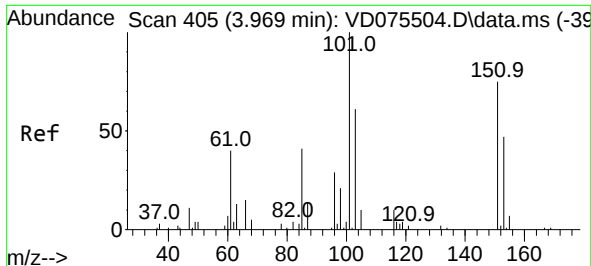
Tgt Ion:101 Resp: 5388
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9



#8
Diethyl Ether
Concen: 2.568 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 74 Resp: 1385
Ion Ratio Lower Upper
74 100
45 57.8 50.9 152.7

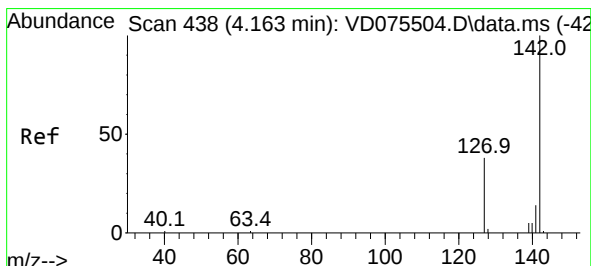
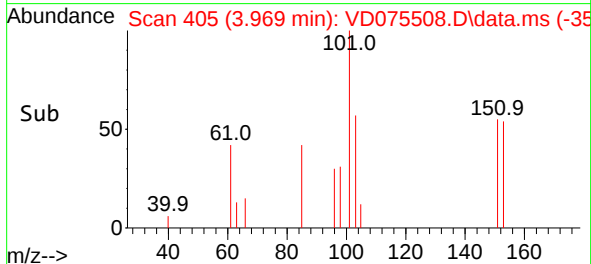
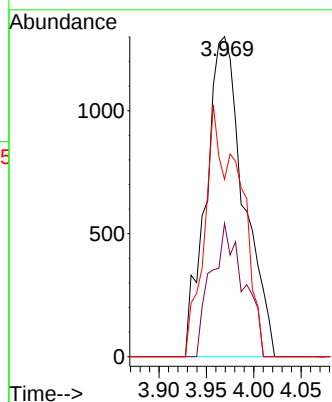
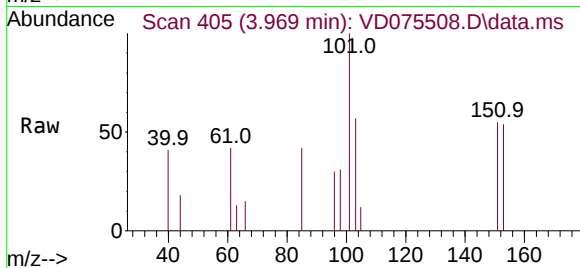




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.740 ug/l
 RT: 3.969 min Scan# 405
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

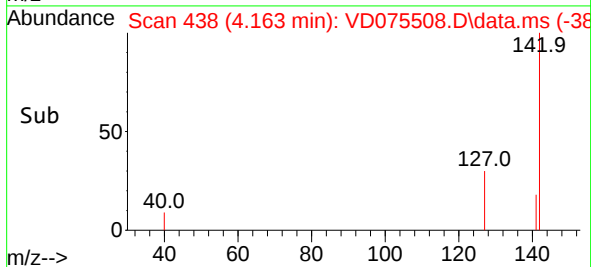
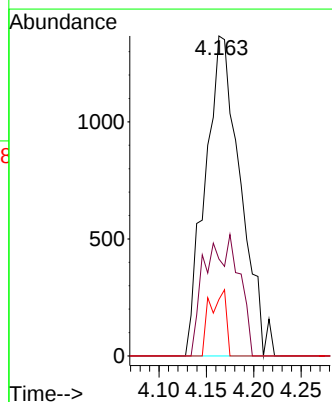
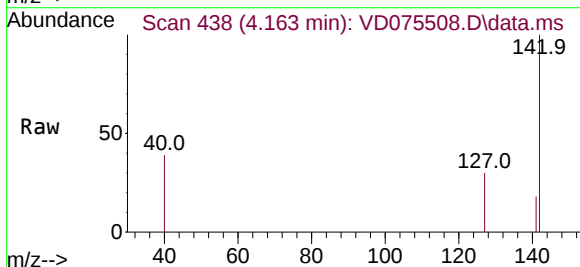
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

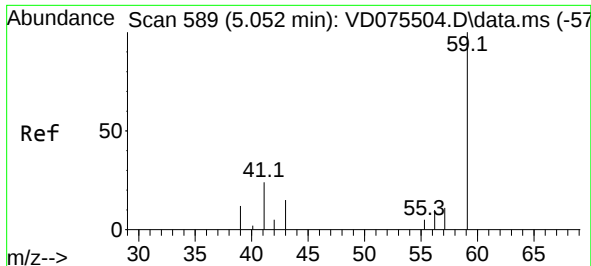
Tgt Ion:101 Resp: 3602
 Ion Ratio Lower Upper
 101 100
 85 36.1 38.3 57.5#
 151 39.8 60.4 90.6#



#10
 Methyl Iodide
 Concen: 2.249 ug/l
 RT: 4.163 min Scan# 438
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

Tgt Ion:142 Resp: 3527
 Ion Ratio Lower Upper
 142 100
 127 22.4 37.1 55.7#
 141 9.6 11.3 16.9#

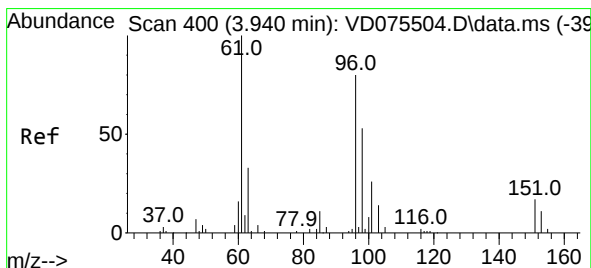
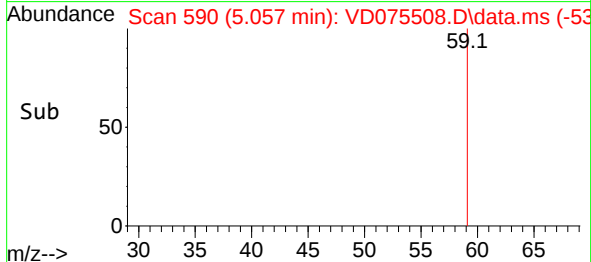
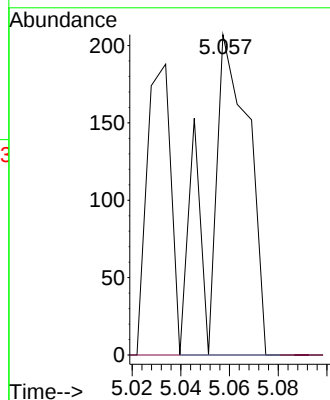
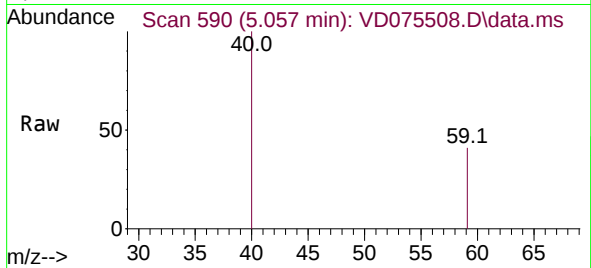




#11
Tert butyl alcohol
Concen: 5.439 ug/l
RT: 5.057 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

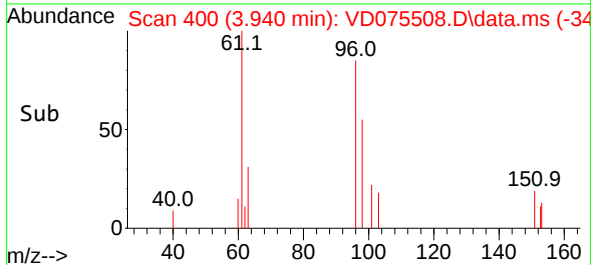
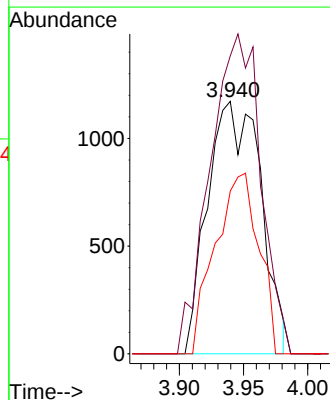
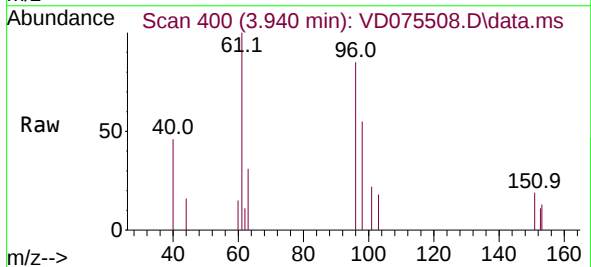
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

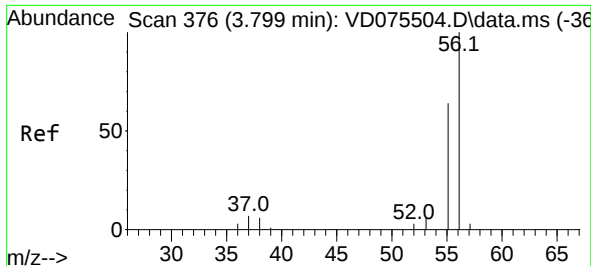
Tgt Ion: 59 Resp: 238
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 2.607 ug/l m
RT: 3.940 min Scan# 400
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 96 Resp: 3384
Ion Ratio Lower Upper
96 100
61 118.0 118.6 177.8#
98 64.5 49.7 74.5





#13

Acrolein

Concen: 12.587 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

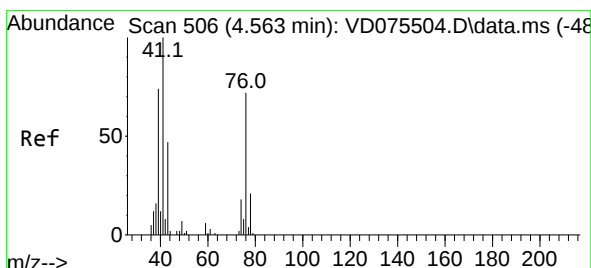
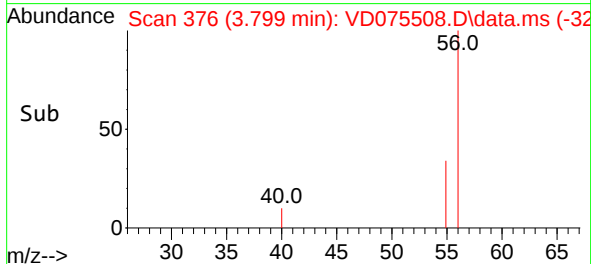
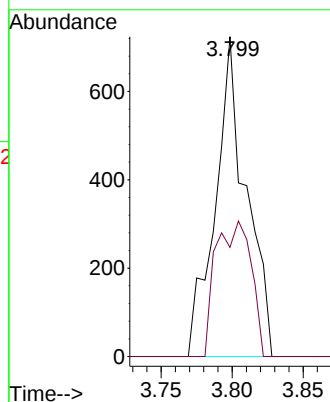
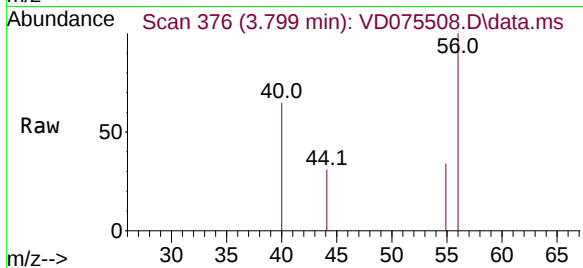
MDL-SOIL-03-QT1-2022

Tgt Ion: 56 Resp: 1096

Ion Ratio Lower Upper

56 100

55 48.3 53.9 80.9#



#14

Allyl chloride

Concen: 2.289 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

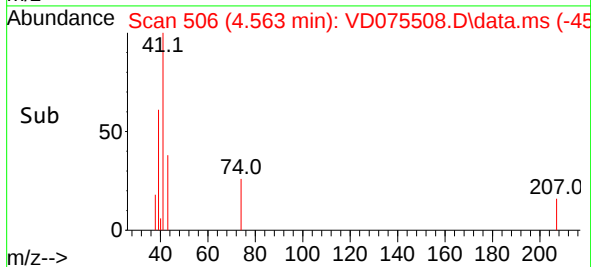
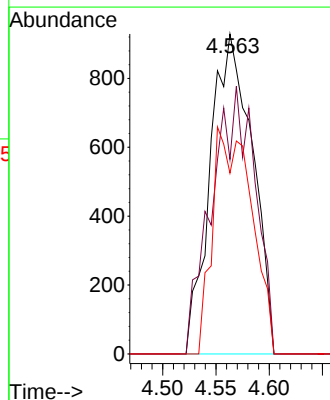
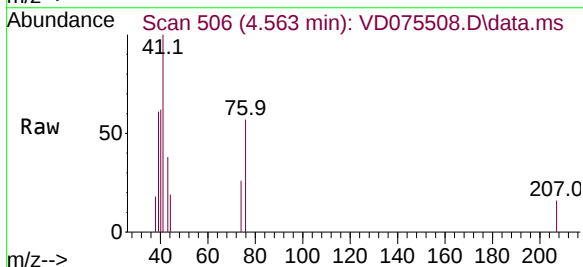
Tgt Ion: 41 Resp: 2556

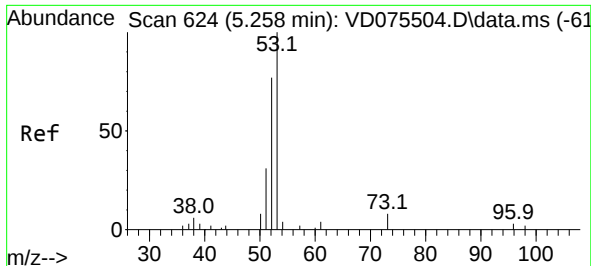
Ion Ratio Lower Upper

41 100

39 42.4 60.6 90.8#

76 31.5 28.6 43.0

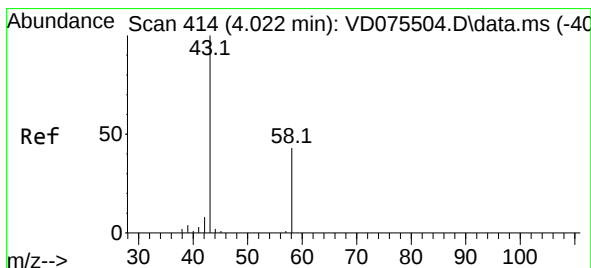
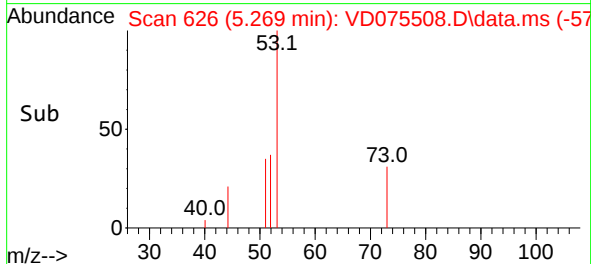
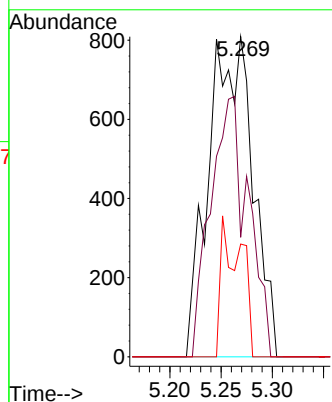
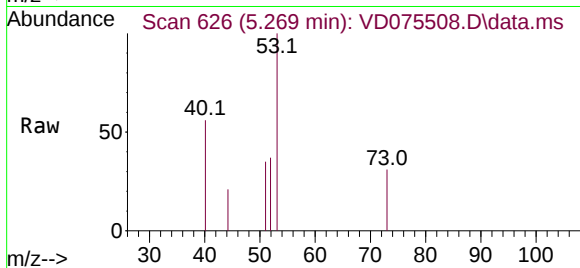




#15
Acrylonitrile
Concen: 12.299 ug/l m
RT: 5.269 min Scan# 61
Delta R.T. 0.017 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

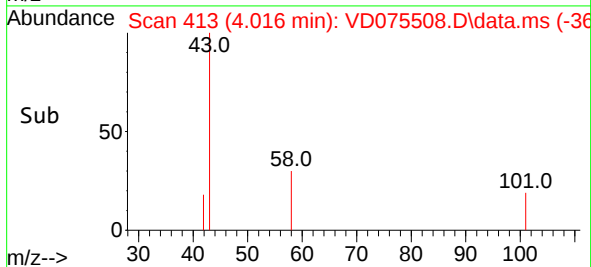
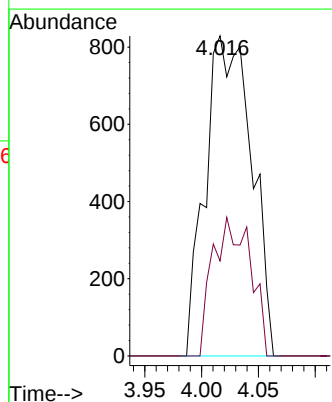
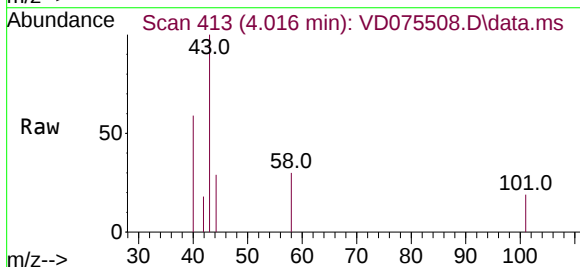
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

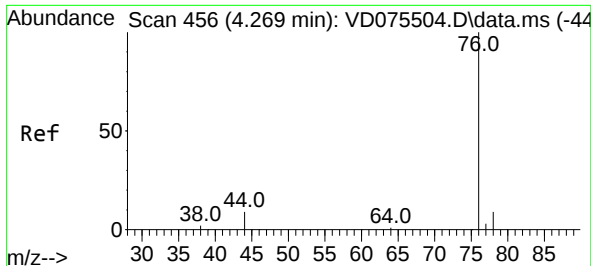
Tgt Ion: 53 Resp: 2432
Ion Ratio Lower Upper
53 100
52 69.0 66.2 99.4
51 19.8 30.7 46.1#



#16
Acetone
Concen: 13.327 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
58 29.7 24.4 36.6

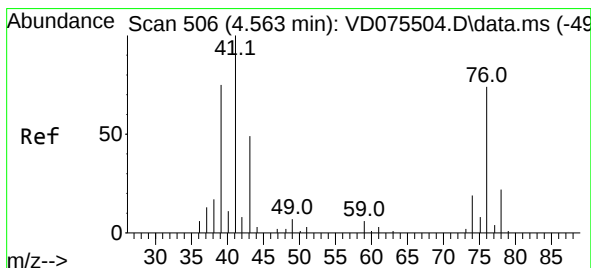
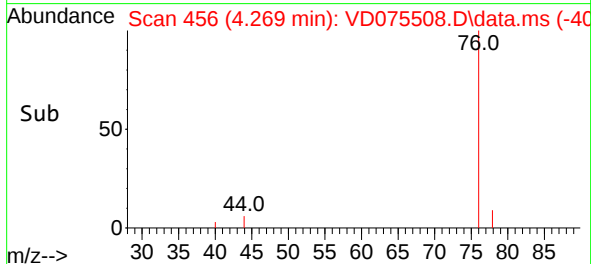
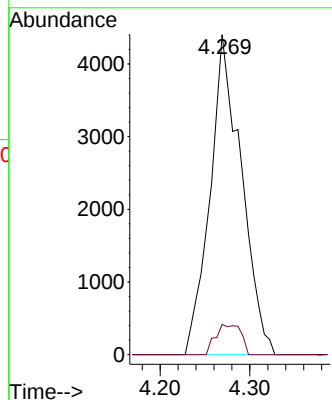
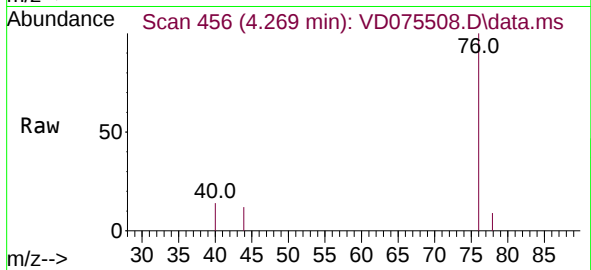




#17
Carbon Disulfide
Concen: 2.725 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

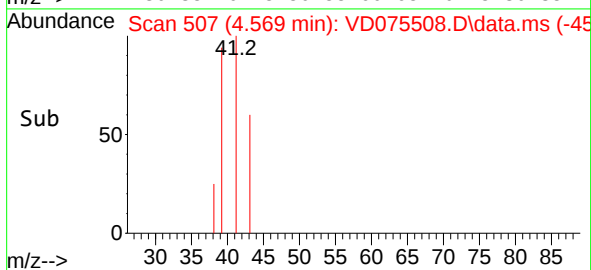
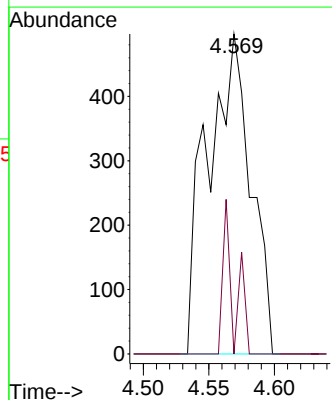
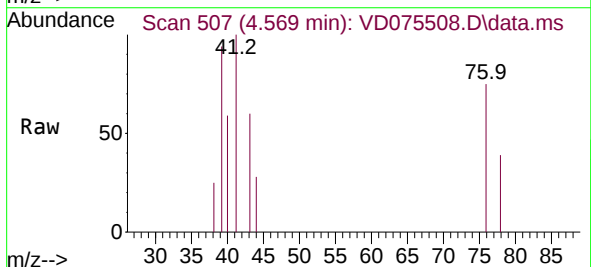
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

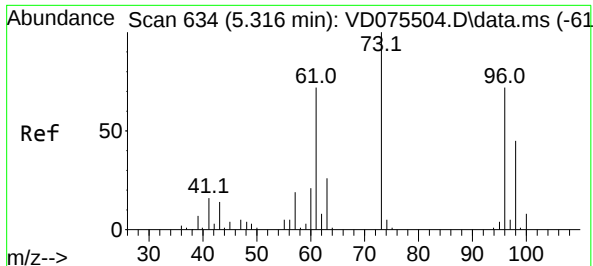
Tgt Ion: 76 Resp: 10674
Ion Ratio Lower Upper
76 100
78 9.5 8.0 12.0



#18
Methyl Acetate
Concen: 2.268 ug/l
RT: 4.569 min Scan# 507
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
74 12.3 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 2.310 ug/l

RT: 5.322 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

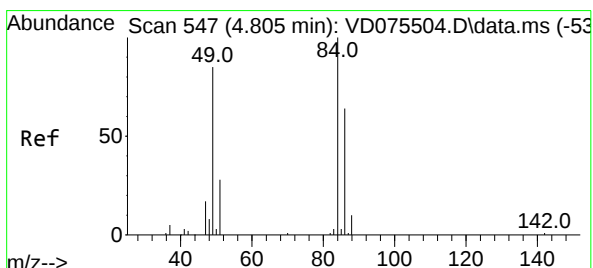
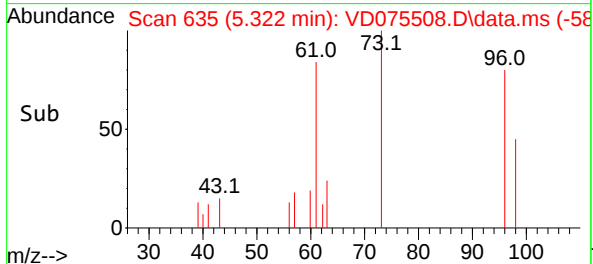
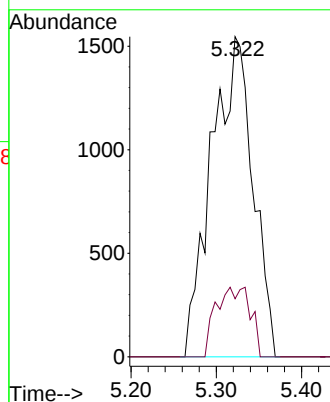
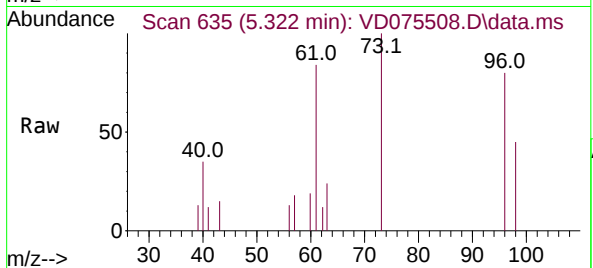
MDL-SOIL-03-QT1-2022

Tgt Ion: 73 Resp: 5199

Ion Ratio Lower Upper

73 100

57 18.1 17.2 25.8



#20

Methylene Chloride

Concen: 7.481 ug/l

RT: 4.810 min Scan# 548

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion: 84 Resp: 12638

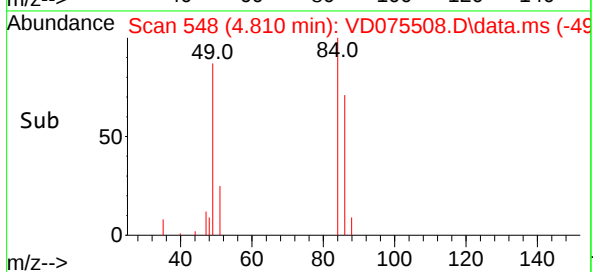
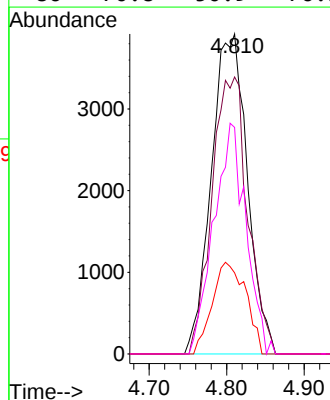
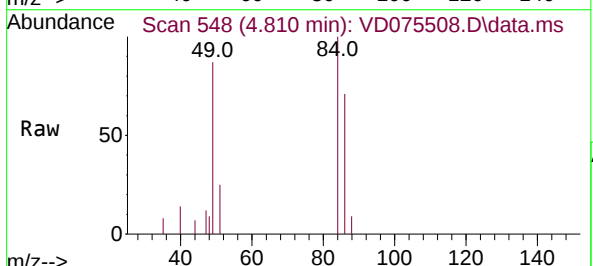
Ion Ratio Lower Upper

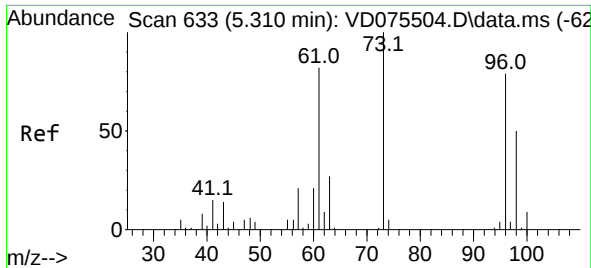
84 100

49 86.5 106.4 159.6#

51 25.4 32.4 48.6#

86 70.8 50.9 76.3

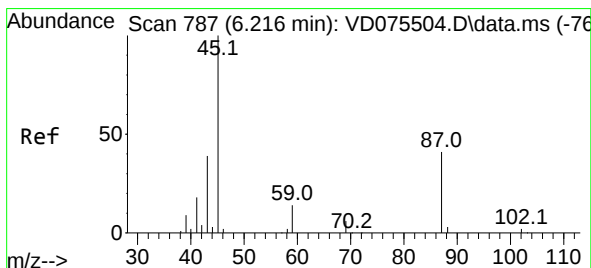
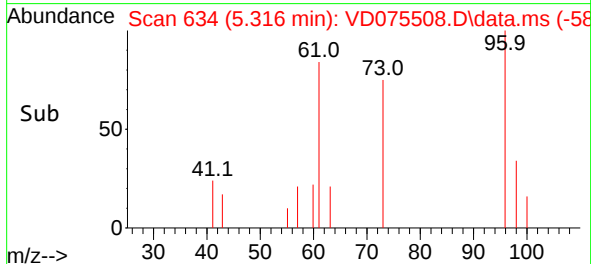
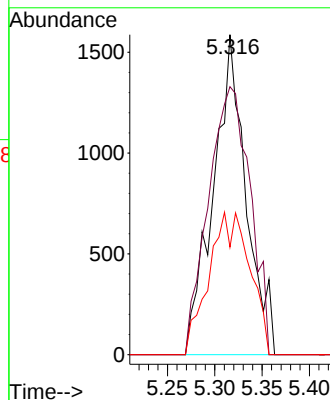
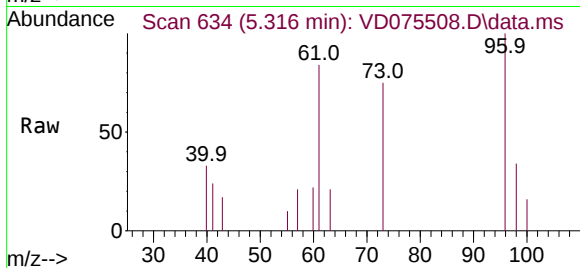




#21
trans-1,2-Dichloroethene
Concen: 2.596 ug/l
RT: 5.316 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

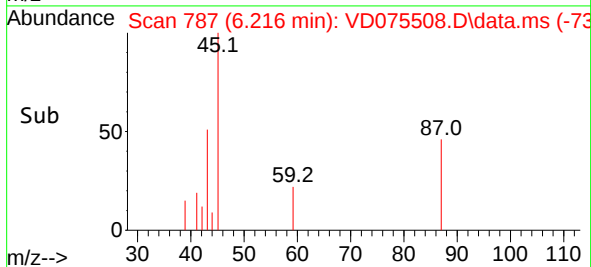
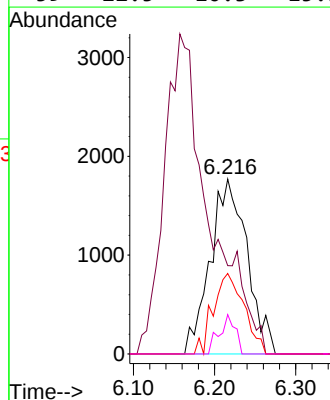
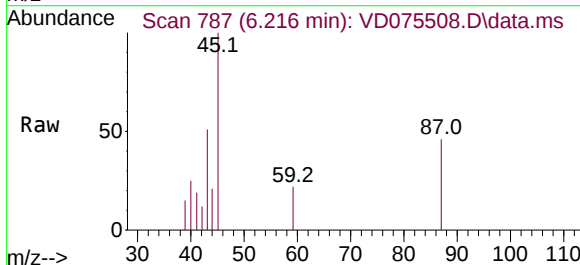
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

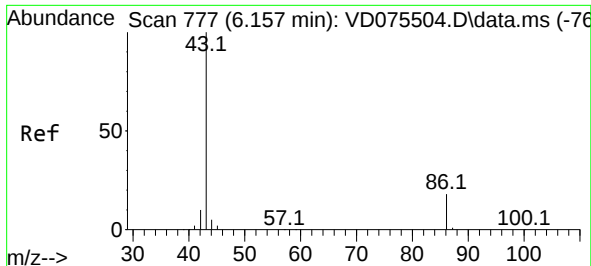
Tgt Ion: 96 Resp: 3831
Ion Ratio Lower Upper
96 100
61 83.7 117.2 175.8#
98 33.6 50.6 76.0#



#22
Diisopropyl ether
Concen: 2.306 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 45 Resp: 5582
Ion Ratio Lower Upper
45 100
43 50.5 44.4 66.6
87 46.0 20.9 31.3#
59 22.5 10.3 15.5#

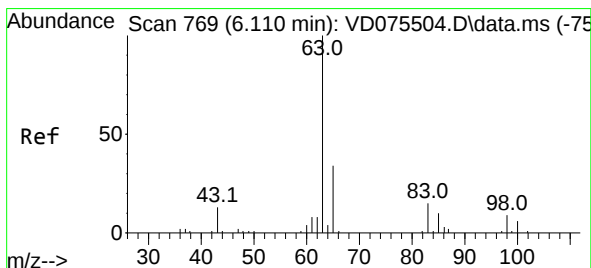
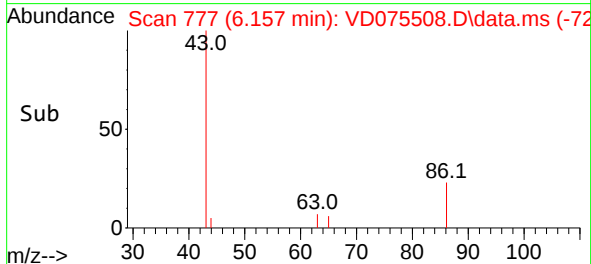
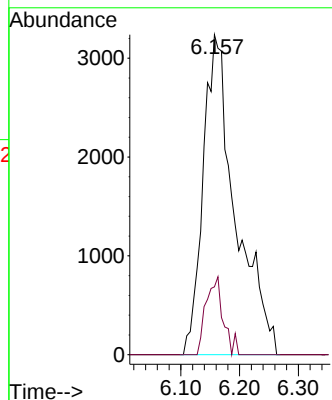
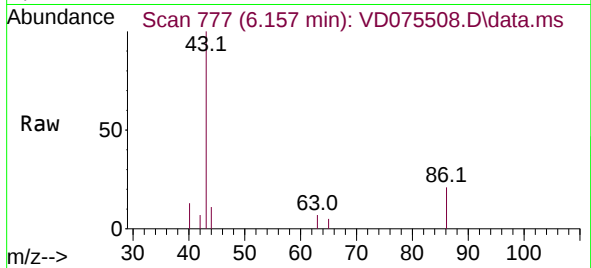




#23
 Vinyl Acetate
 Concen: 10.553 ug/l
 RT: 6.157 min Scan# 777
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

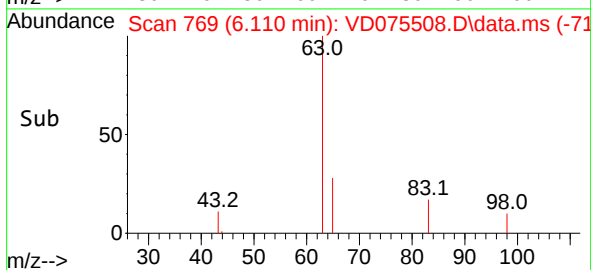
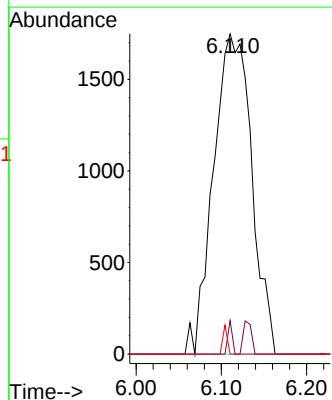
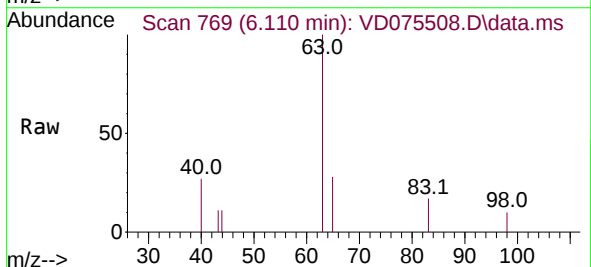
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

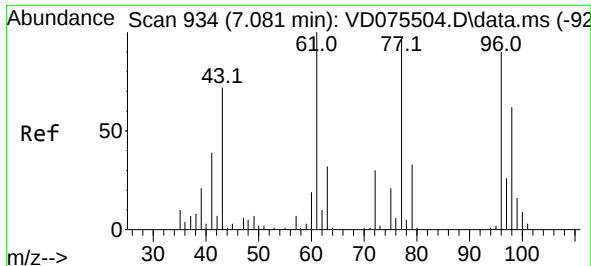
Tgt Ion: 43 Resp: 12397
 Ion Ratio Lower Upper
 43 100
 86 21.2 9.0 13.6#



#24
 1,1-Dichloroethane
 Concen: 2.597 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

Tgt Ion: 63 Resp: 5445
 Ion Ratio Lower Upper
 63 100
 98 10.4 3.9 11.7
 100 0.0 2.0 6.0#

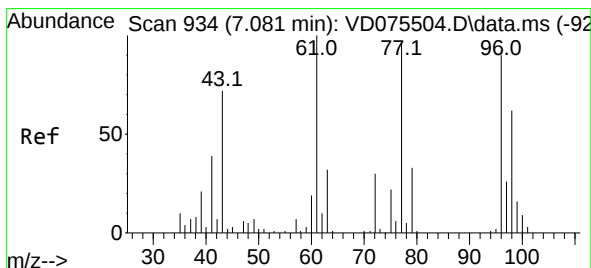
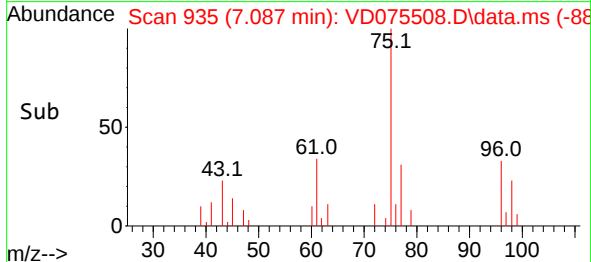
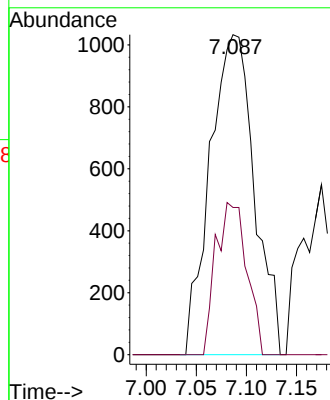
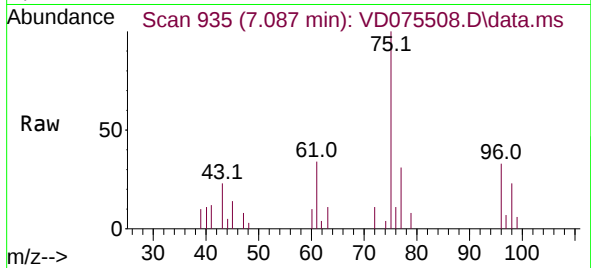




#25
2-Butanone
Concen: 14.396 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

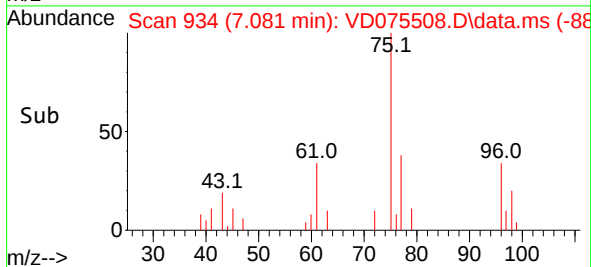
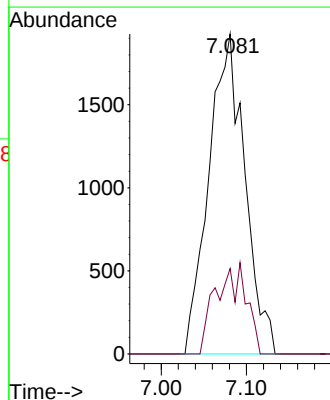
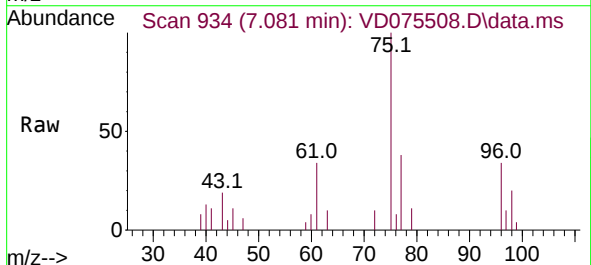
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

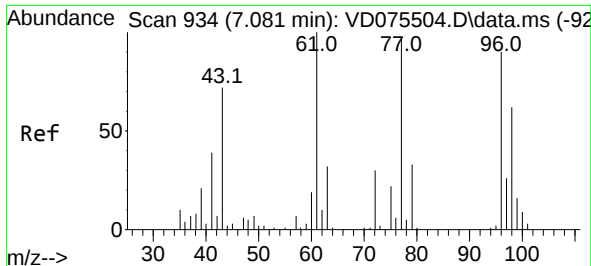
Tgt Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
72 46.0 19.8 29.8#



#26
2,2-Dichloropropane
Concen: 2.929 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 77 Resp: 5648
Ion Ratio Lower Upper
77 100
97 23.9 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 2.457 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

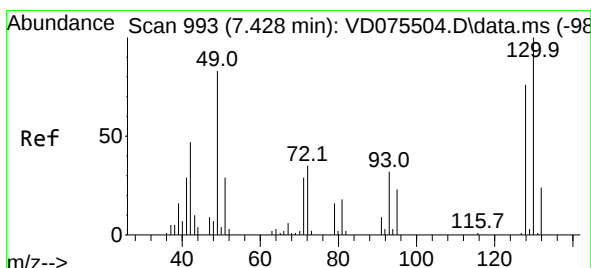
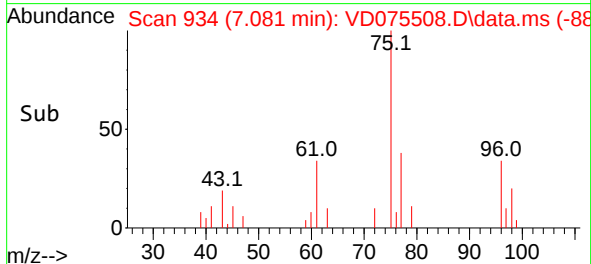
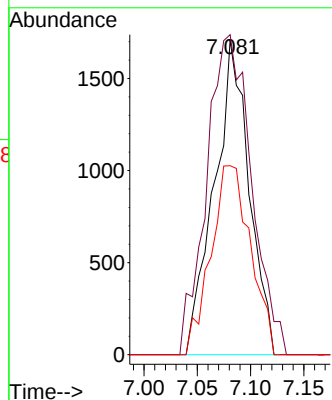
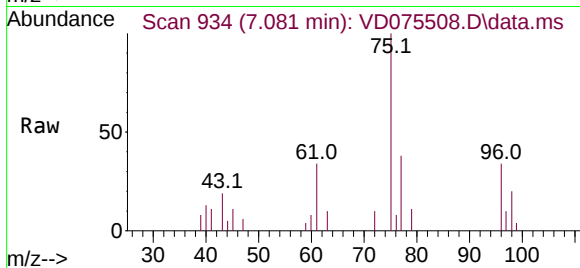
Tgt Ion: 96 Resp: 3885

Ion Ratio Lower Upper

96 100

61 130.8 0.0 295.2

98 68.5 0.0 129.2



#28

Bromochloromethane

Concen: 2.295 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

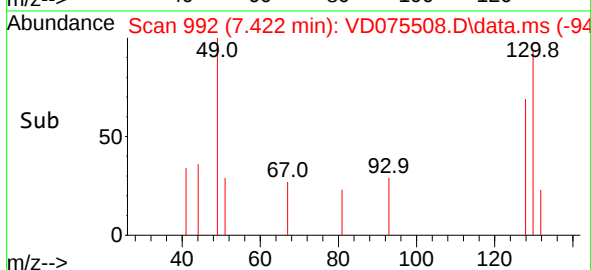
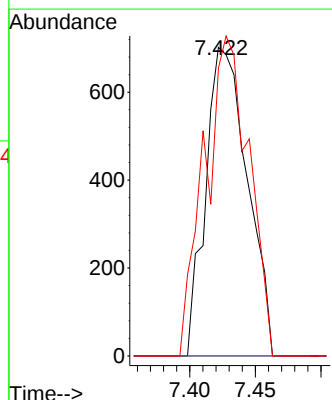
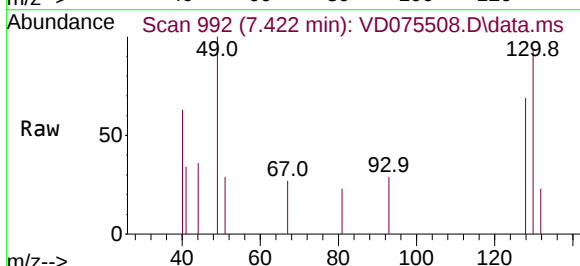
Tgt Ion: 49 Resp: 1551

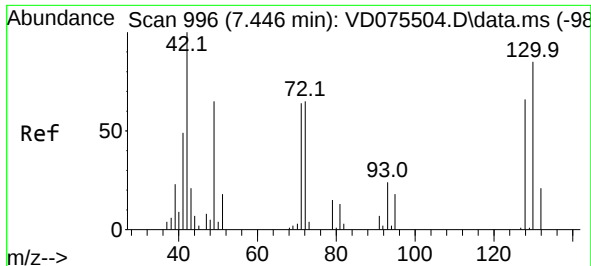
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 110.3 56.0 84.0#





#29

Tetrahydrofuran

Concen: 9.088 ug/l

RT: 7.439 min Scan# 995

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

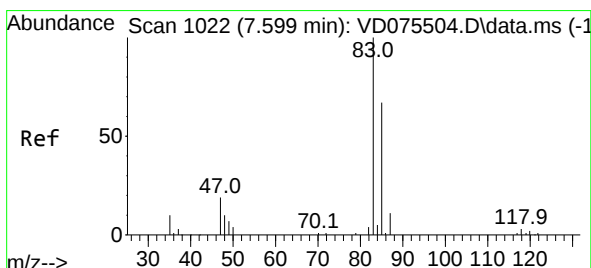
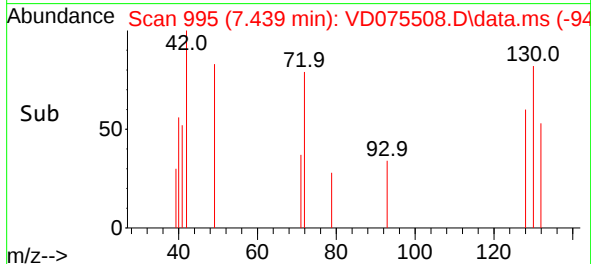
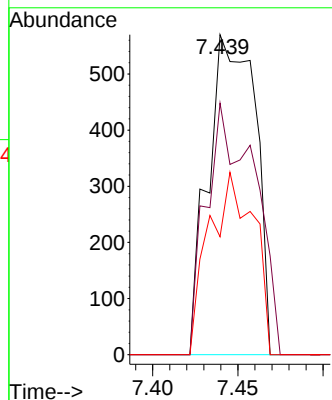
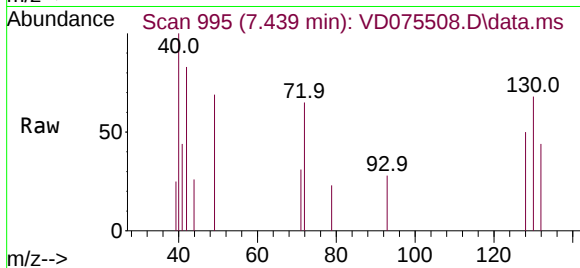
Tgt Ion: 42 Resp: 1093

Ion Ratio Lower Upper

42 100

72 80.8 31.8 47.6#

71 54.3 27.6 41.4#



#30

Chloroform

Concen: 2.600 ug/l

RT: 7.592 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VD075508.D

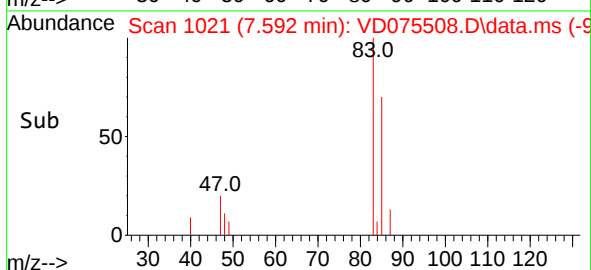
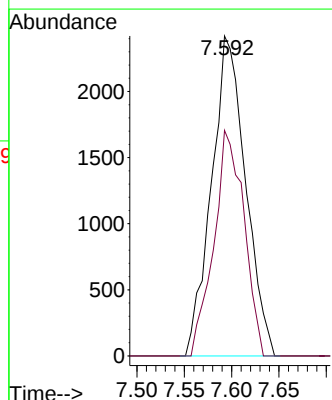
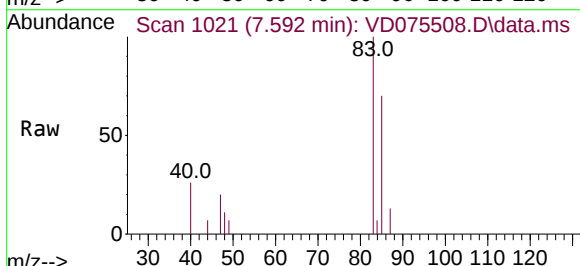
Acq: 13 Mar 2023 14:40

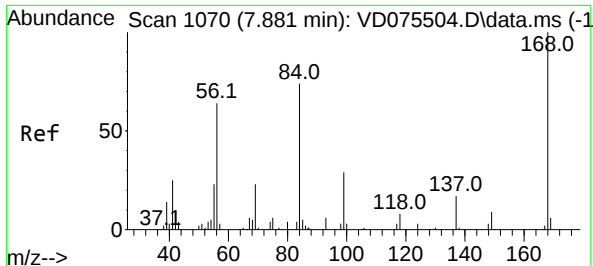
Tgt Ion: 83 Resp: 6054

Ion Ratio Lower Upper

83 100

85 70.5 49.4 74.2

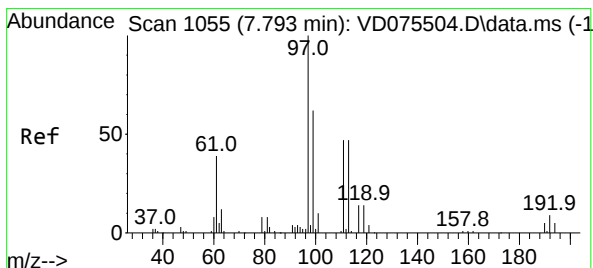
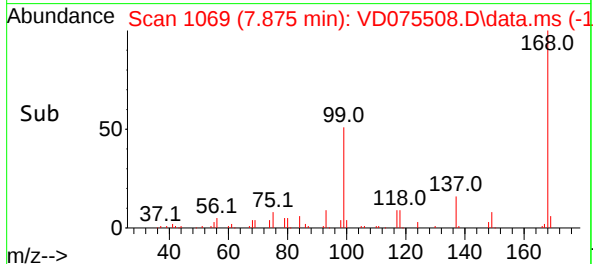
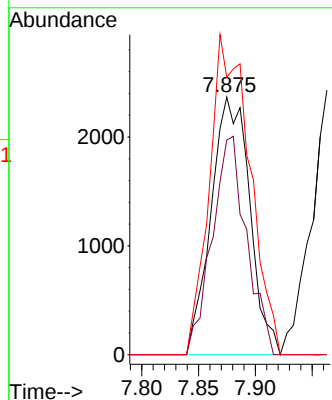
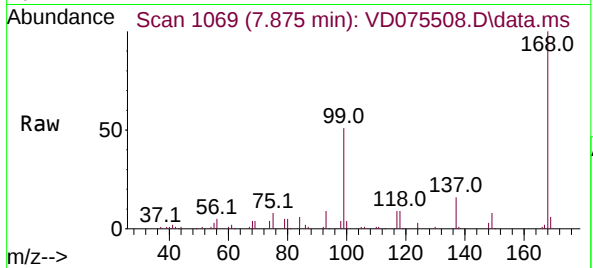




#31
Cyclohexane
Concen: 3.318 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

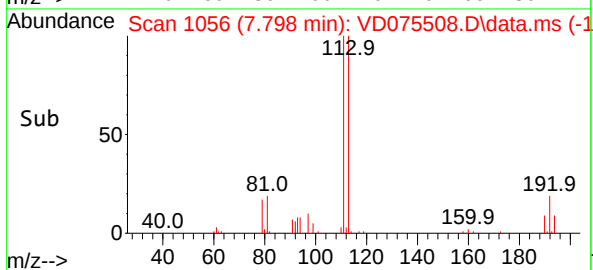
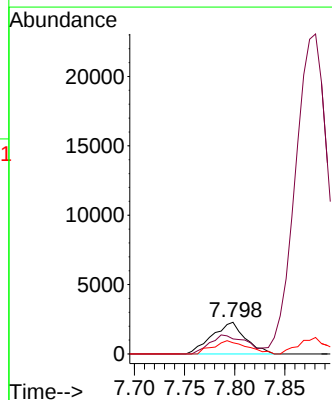
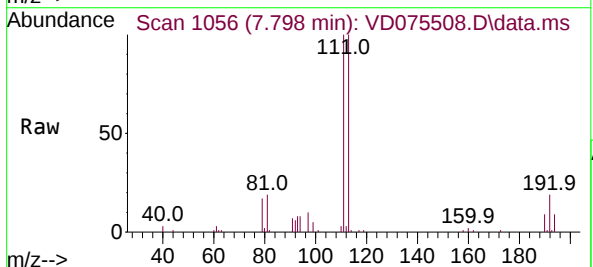
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

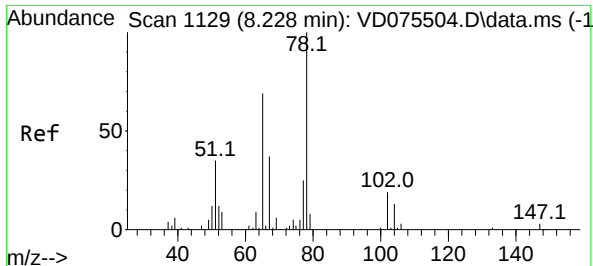
Tgt Ion: 56 Resp: 5600
Ion Ratio Lower Upper
56 100
69 83.3 25.5 38.3#
84 107.6 69.6 104.4#



#32
1,1,1-Trichloroethane
Concen: 2.570 ug/l
RT: 7.798 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 97 Resp: 5248
Ion Ratio Lower Upper
97 100
99 63.4 50.5 75.7
61 42.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 55.738 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

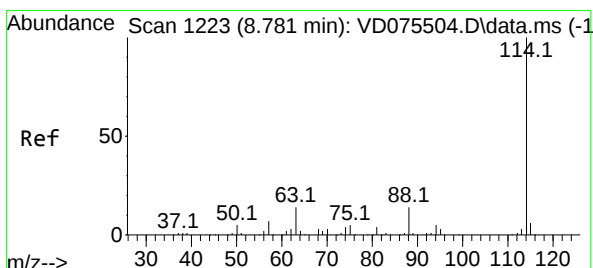
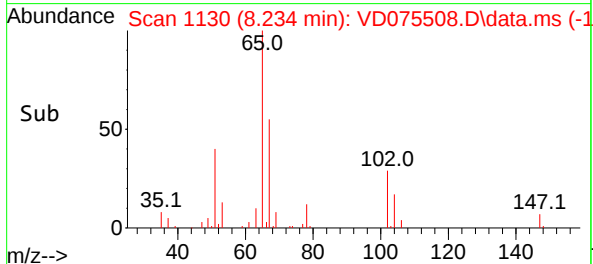
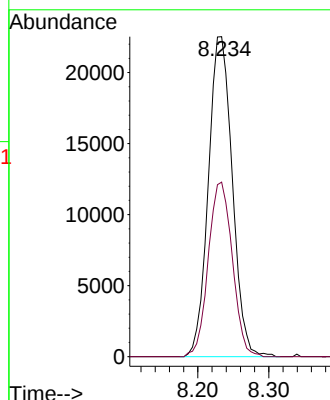
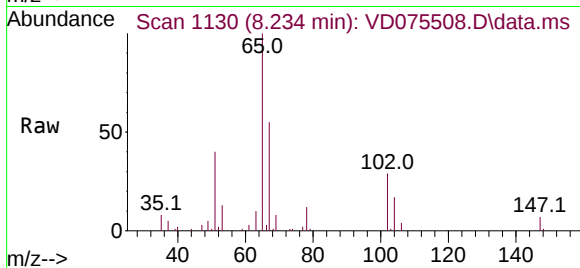
MDL-SOIL-03-QT1-2022

Tgt Ion: 65 Resp: 52819

Ion Ratio Lower Upper

65 100

67 54.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

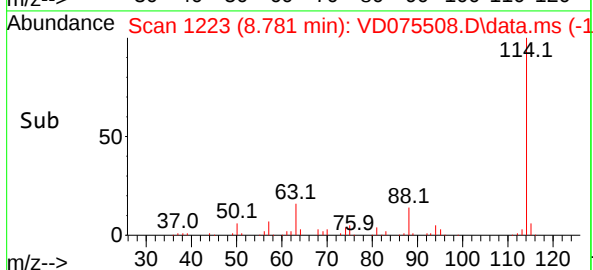
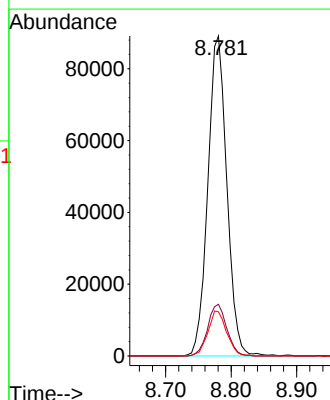
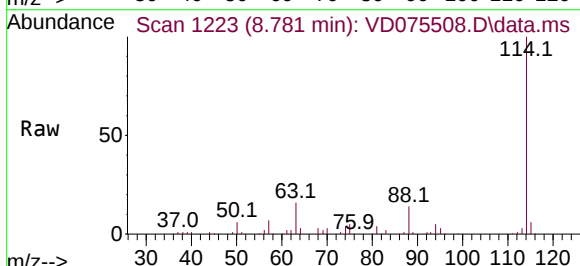
Tgt Ion: 114 Resp: 179314

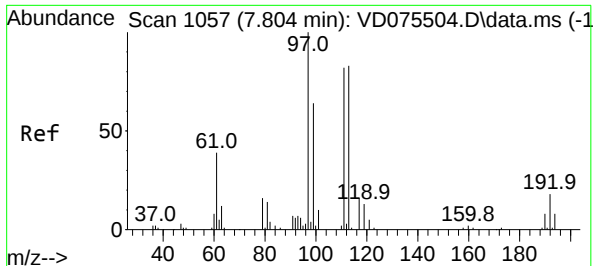
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 13.8 0.0 30.6

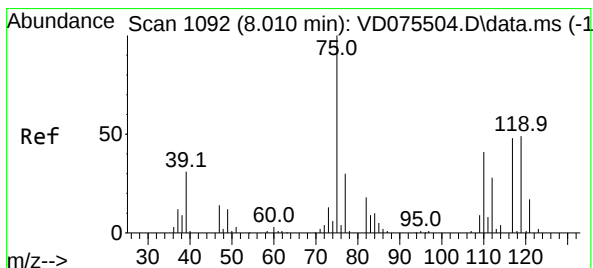
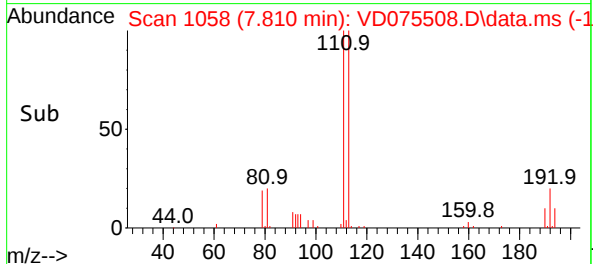
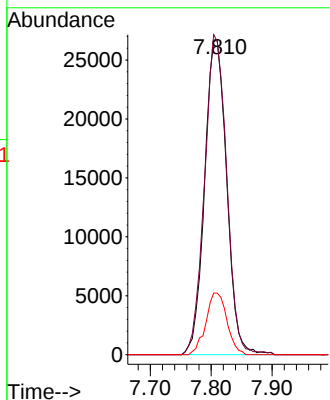
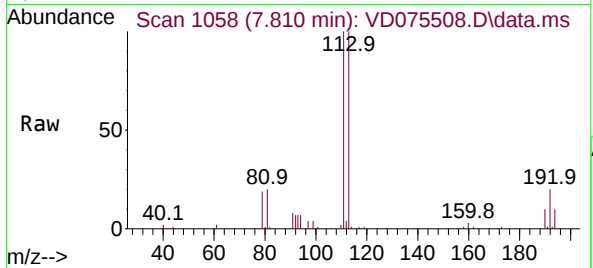




#35
Dibromofluoromethane
Concen: 54.803 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

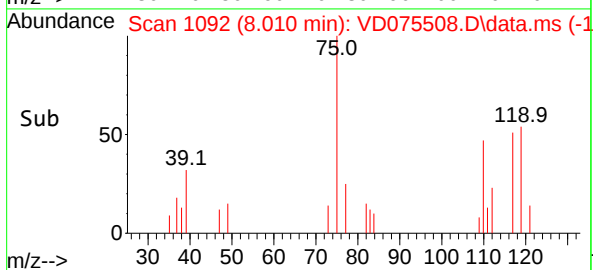
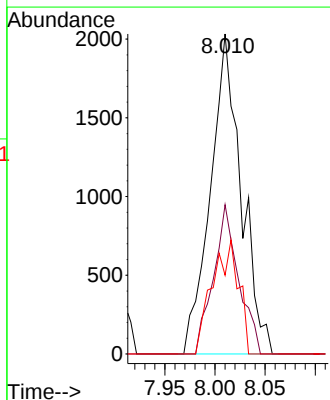
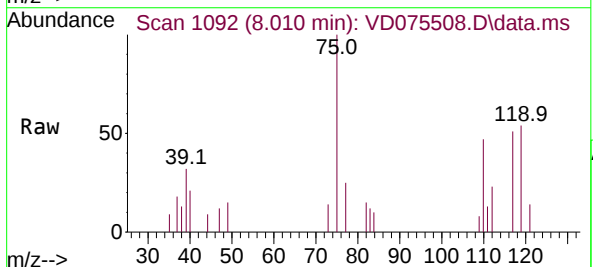
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

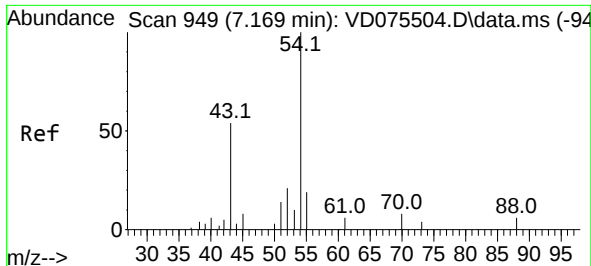
Tgt Ion:	113	Resp:	67305
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.4	122.0
192	18.7	15.2	22.8



#36
1,1-Dichloropropene
Concen: 2.386 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:	75	Resp:	4342
Ion Ratio	Lower	Upper	
75	100		
110	38.2	17.1	51.2
77	30.4	24.6	36.8





#37

Ethyl Acetate

Concen: 2.448 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

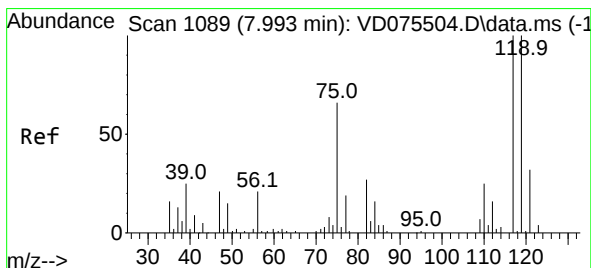
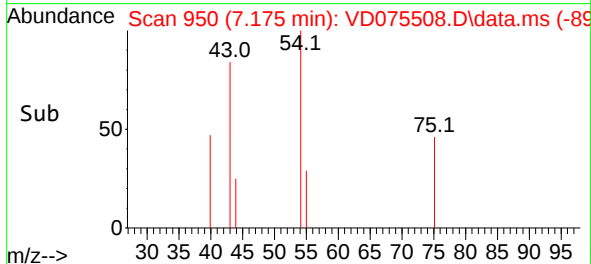
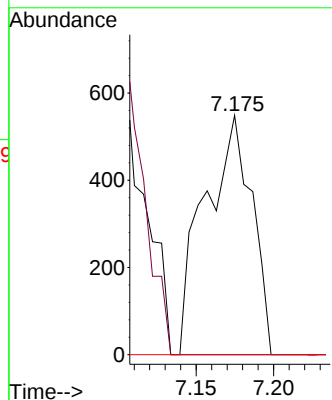
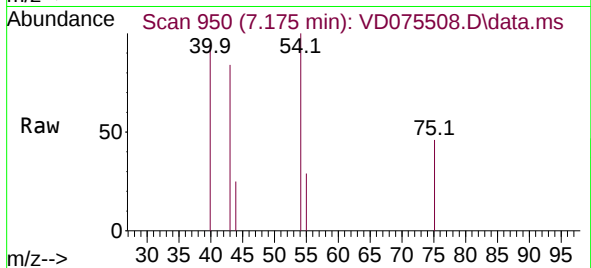
Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 2.319 ug/l

RT: 7.998 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

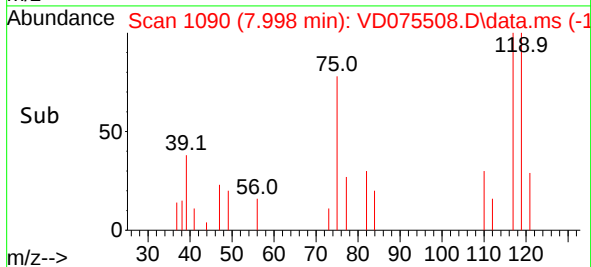
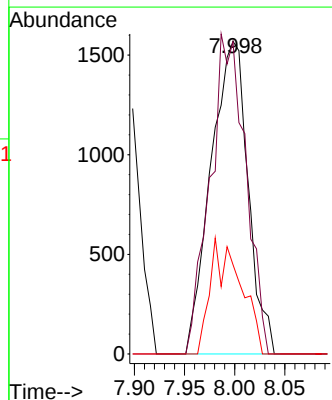
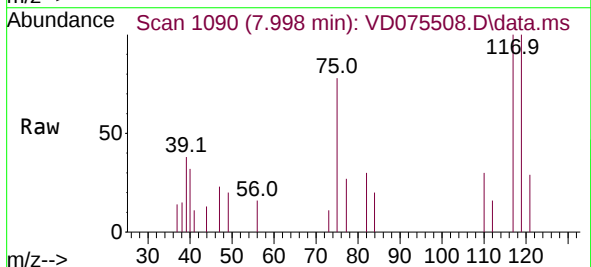
Tgt Ion: 117 Resp: 4044

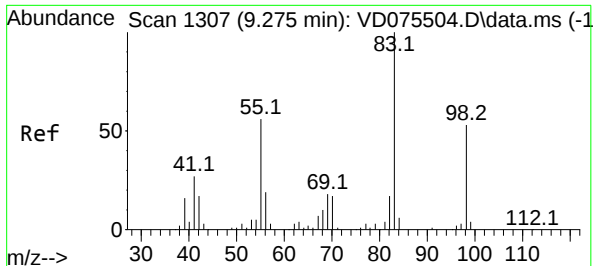
Ion Ratio Lower Upper

117 100

119 99.9 74.7 112.1

121 28.6 25.9 38.9





#39

Methylcyclohexane

Concen: 2.350 ug/l

RT: 9.281 min Scan# 11308

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

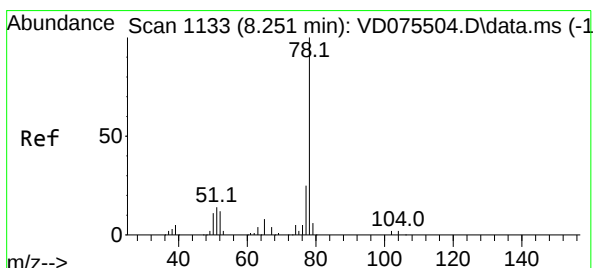
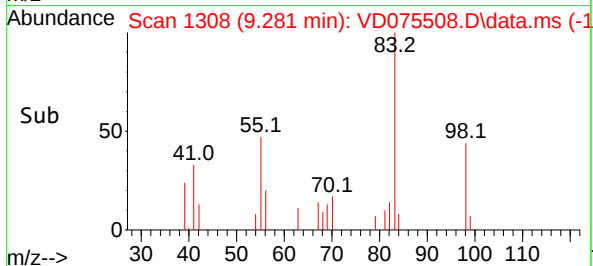
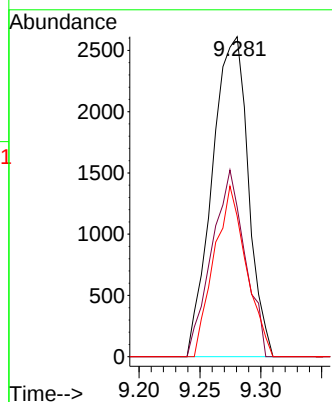
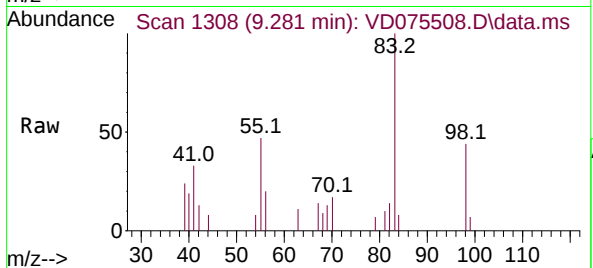
Tgt Ion: 83 Resp: 5393

Ion Ratio Lower Upper

83 100

55 46.7 56.8 85.2#

98 43.9 38.9 58.3



#40

Benzene

Concen: 2.484 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD075508.D

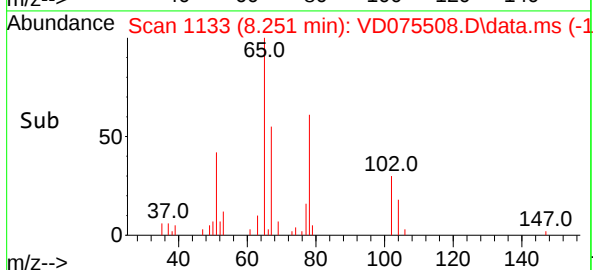
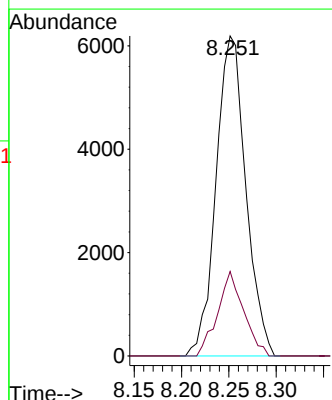
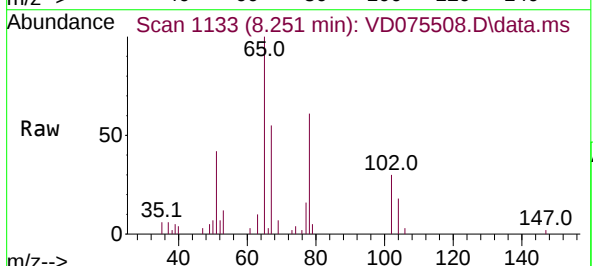
Acq: 13 Mar 2023 14:40

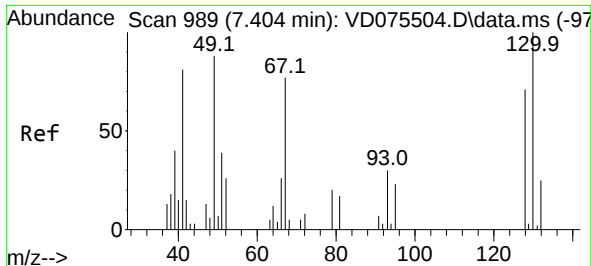
Tgt Ion: 78 Resp: 13550

Ion Ratio Lower Upper

78 100

77 26.4 19.1 28.7

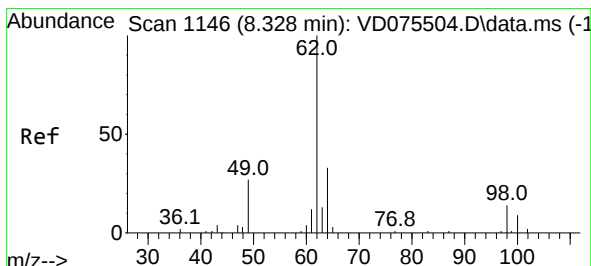
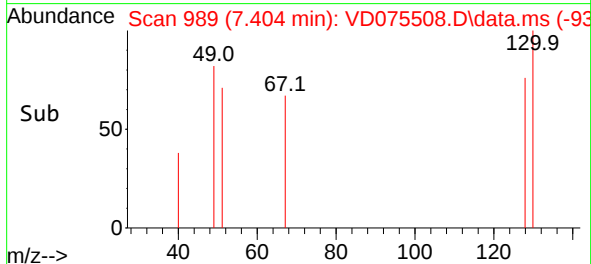
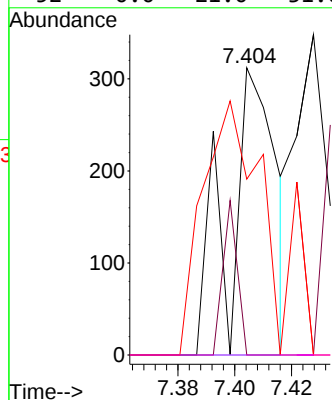
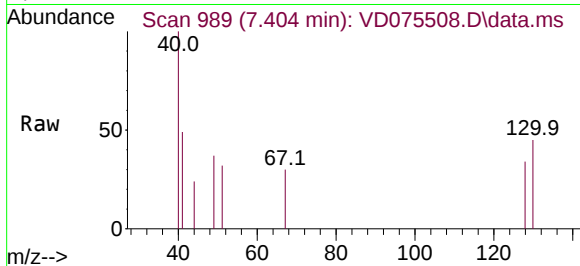




#41
Methacrylonitrile
Concen: 1.437 ug/l
RT: 7.404 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

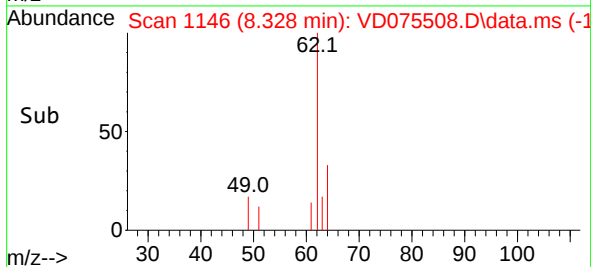
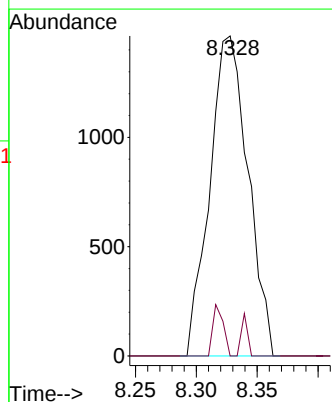
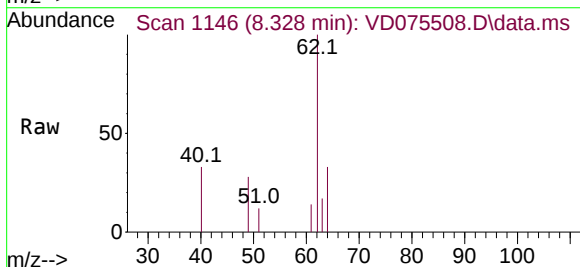
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

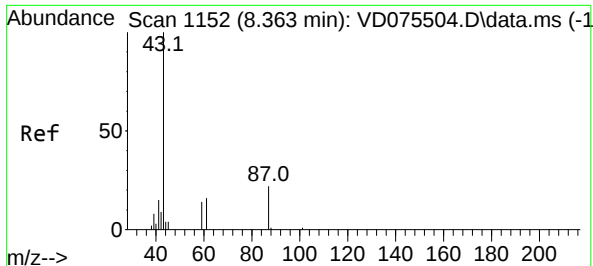
Tgt Ion: 41 Resp: 359
Ion Ratio Lower Upper
41 100
39 16.4 45.3 67.9#
67 122.8 50.5 75.7#
52 0.0 21.0 31.6#



#42
1,2-Dichloroethane
Concen: 2.664 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 62 Resp: 3199
Ion Ratio Lower Upper
62 100
98 2.1 0.0 18.8





#43

Isopropyl Acetate

Concen: 2.341 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

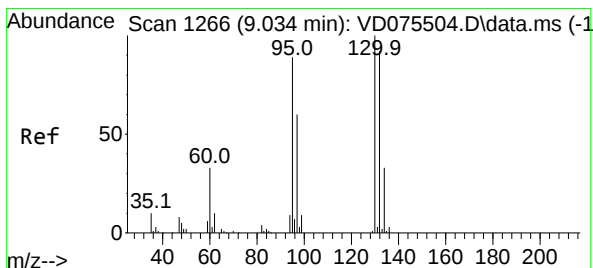
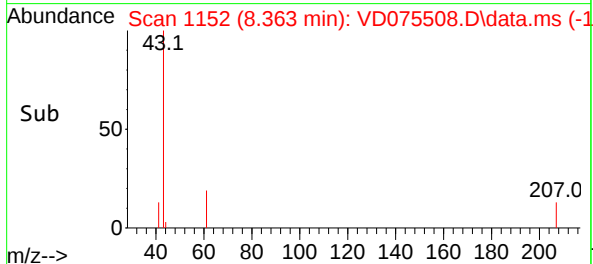
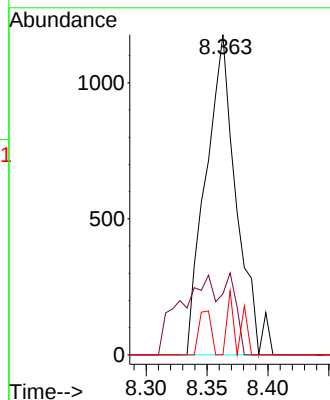
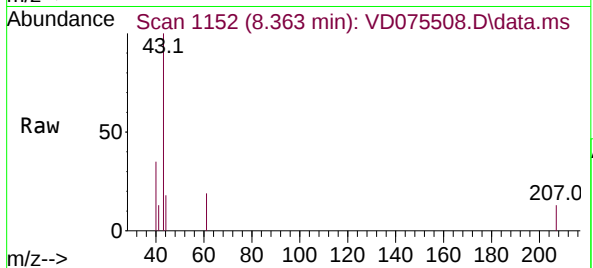
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:	43	Resp:	2054
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.4	35.0#
87	7.1	9.5	14.3#



#44

Trichloroethene

Concen: 2.434 ug/l

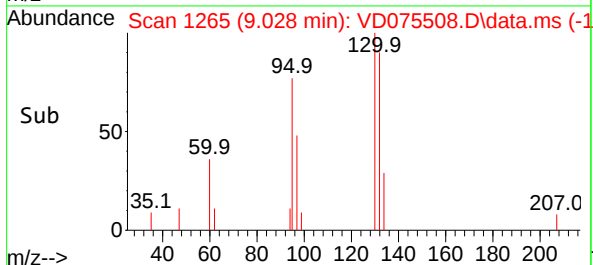
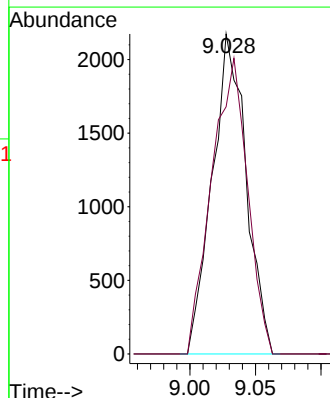
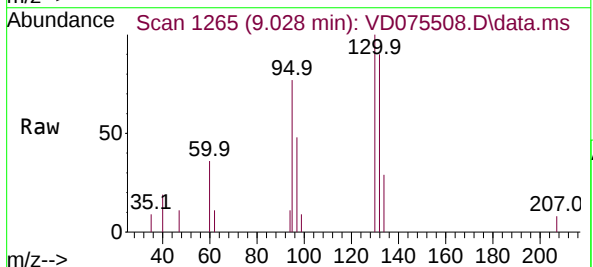
RT: 9.028 min Scan# 1265

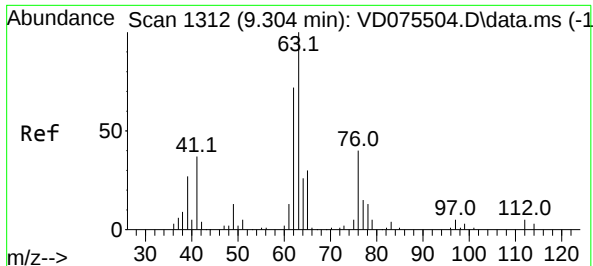
Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion:	130	Resp:	3901
Ion	Ratio	Lower	Upper
130	100		
95	77.3	0.0	197.6





#45

1,2-Dichloropropane

Concen: 2.486 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

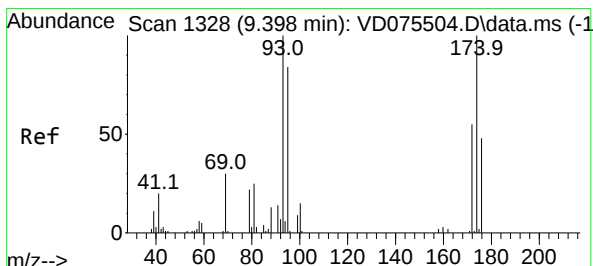
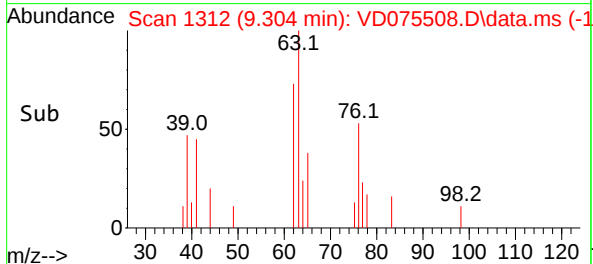
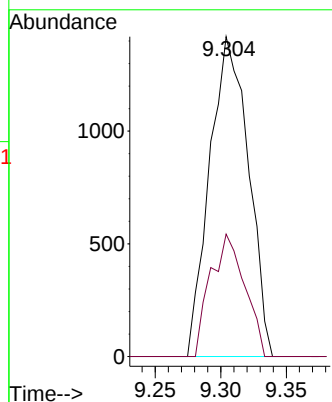
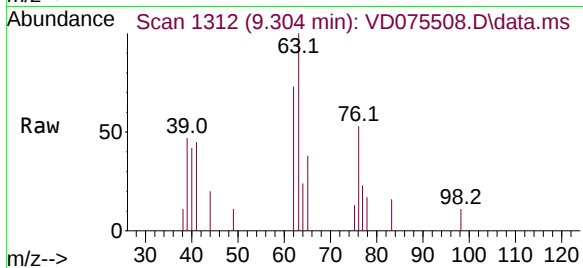
MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 2915

Ion Ratio Lower Upper

63 100

65 38.3 23.0 34.4#



#46

Dibromomethane

Concen: 2.435 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

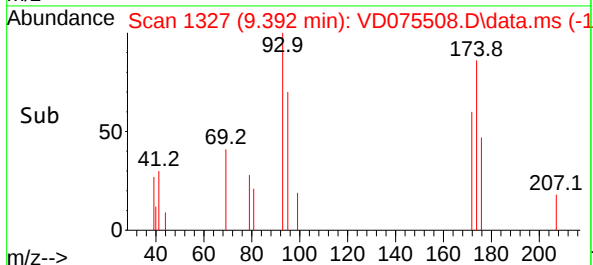
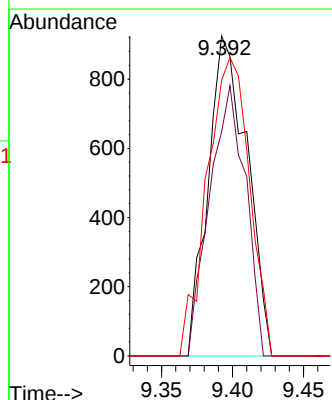
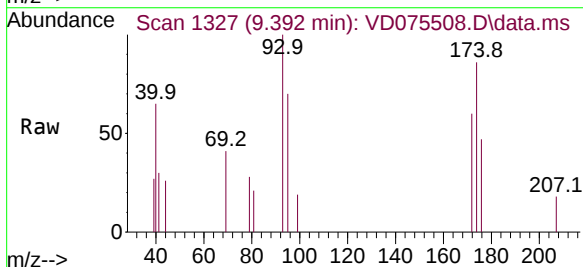
Tgt Ion: 93 Resp: 1760

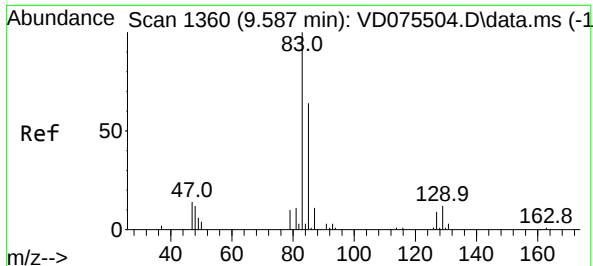
Ion Ratio Lower Upper

93 100

95 77.9 64.5 96.7

174 101.4 76.2 114.4





#47

Bromodichloromethane

Concen: 2.634 ug/l

RT: 9.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

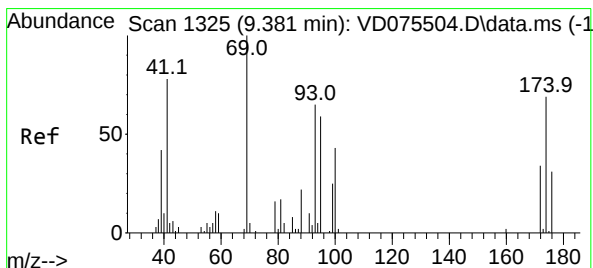
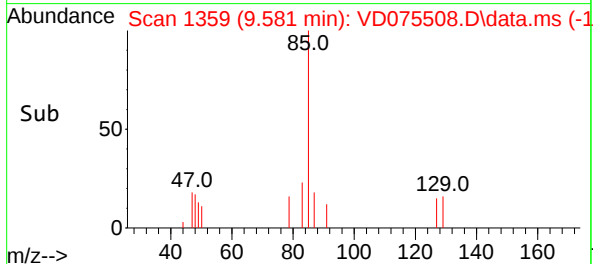
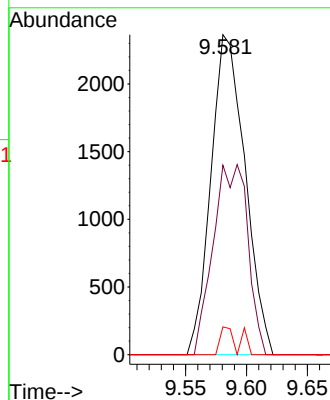
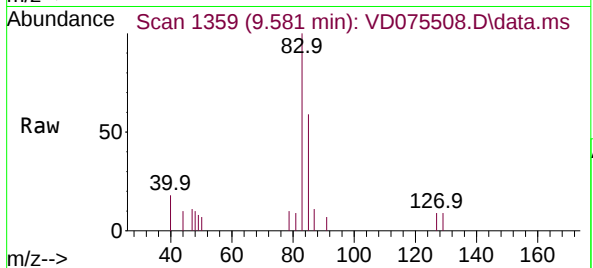
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 83	Resp: 4610
Ion Ratio	Lower Upper
83 100	
85 59.2	53.7 80.5
127 8.7	7.0 10.6



#48

Methyl methacrylate

Concen: 1.919 ug/l

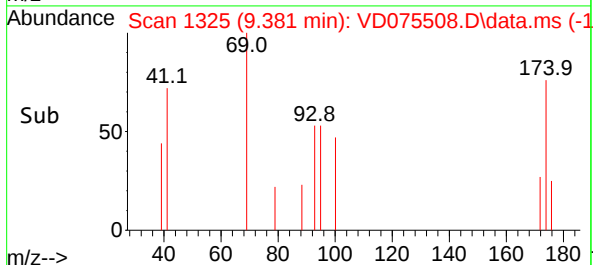
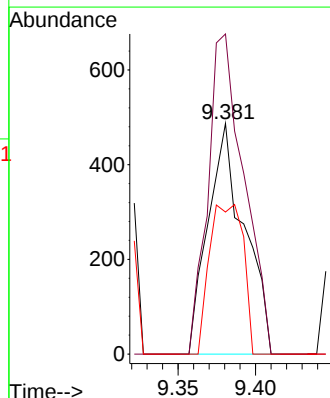
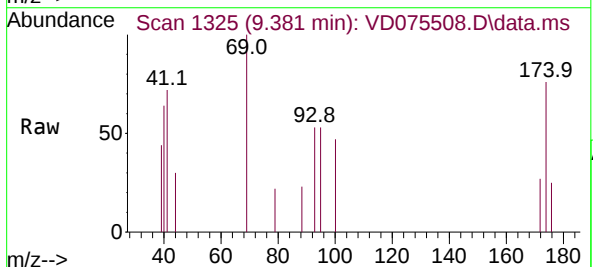
RT: 9.381 min Scan# 1325

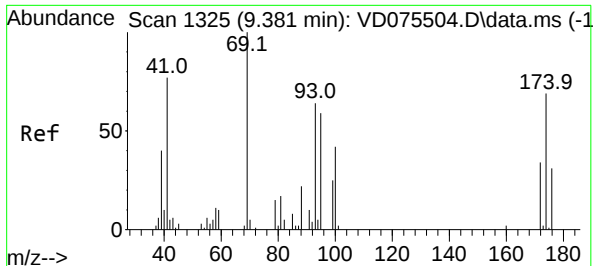
Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion: 41	Resp: 791
Ion Ratio	Lower Upper
41 100	
69 138.3	58.6 88.0#
39 60.7	53.4 80.0





#49

1,4-Dioxane

Concen: 18.305 ug/l

RT: 9.369 min Scan# 1323

Delta R.T. -0.018 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

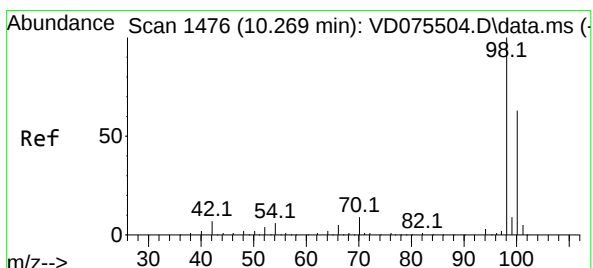
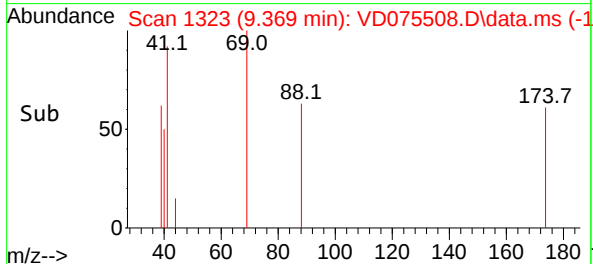
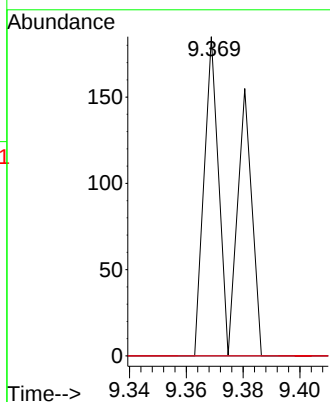
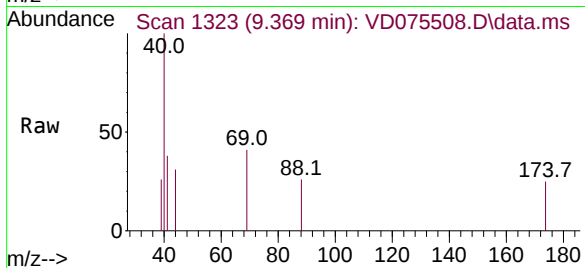
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 0.0 34.6 51.8#

58 0.0 58.0 87.0#



#50

Toluene-d8

Concen: 54.377 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075508.D

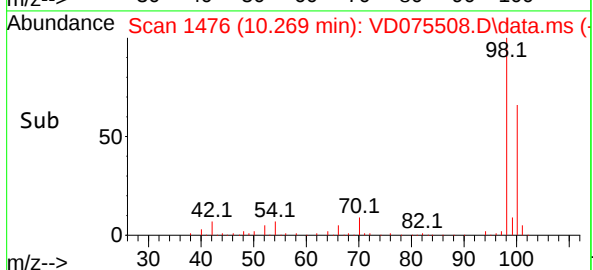
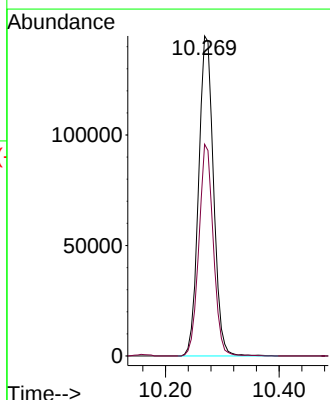
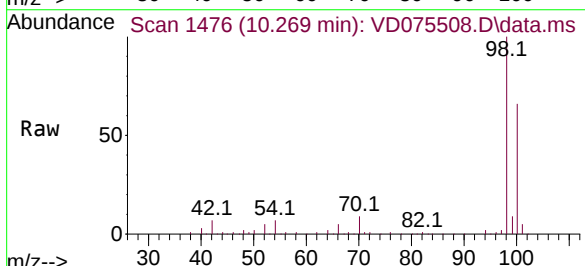
Acq: 13 Mar 2023 14:40

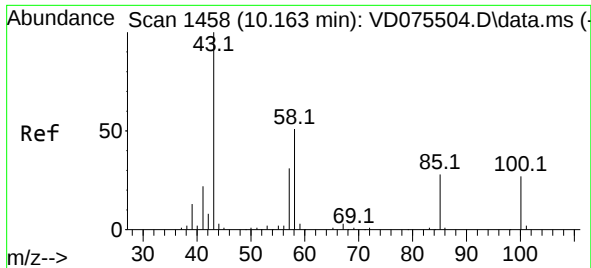
Tgt Ion: 98 Resp: 263819

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 11.051 ug/l

RT: 10.157 min Scan# 1458

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

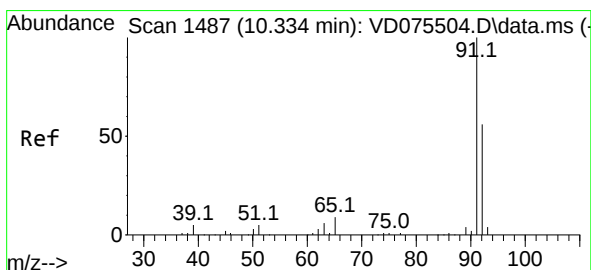
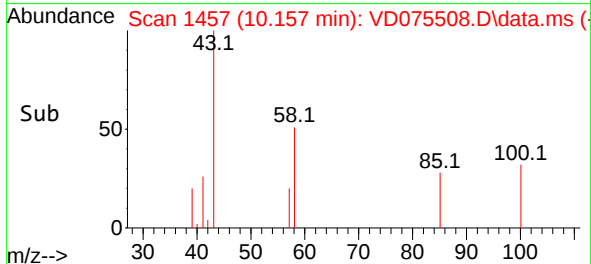
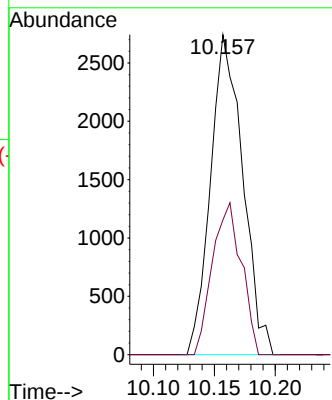
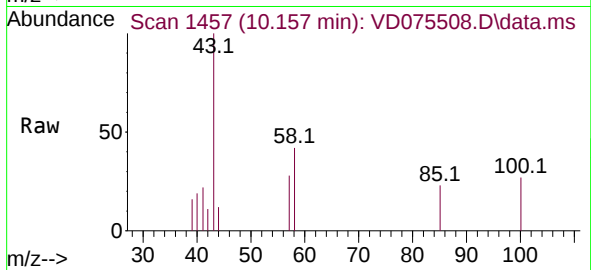
MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 5043

Ion Ratio Lower Upper

43 100

58 42.8 29.5 44.3



#52

Toluene

Concen: 2.511 ug/l

RT: 10.339 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VD075508.D

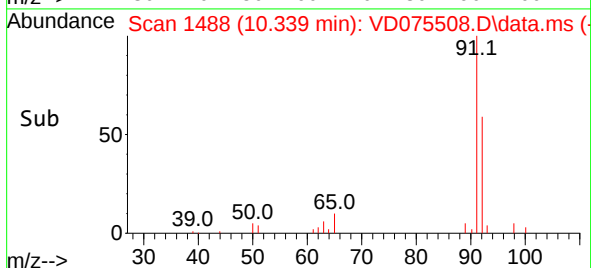
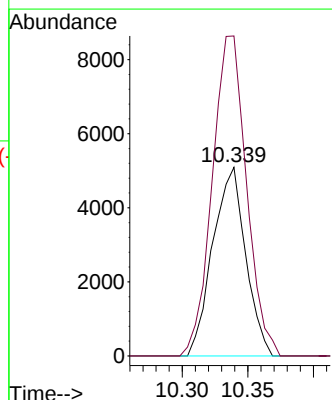
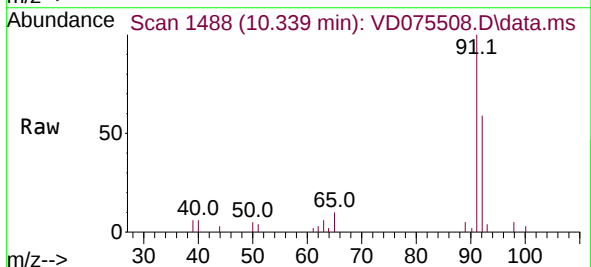
Acq: 13 Mar 2023 14:40

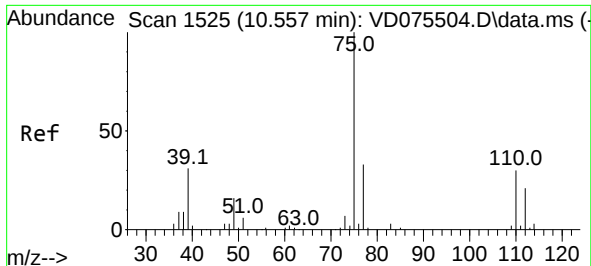
Tgt Ion: 92 Resp: 8874

Ion Ratio Lower Upper

92 100

91 176.8 136.5 204.7

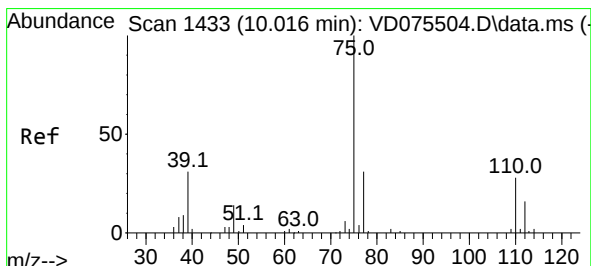
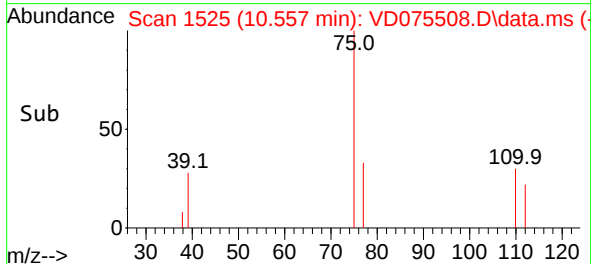
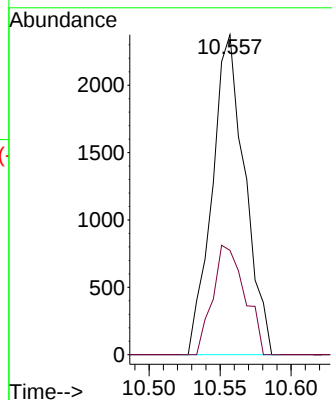
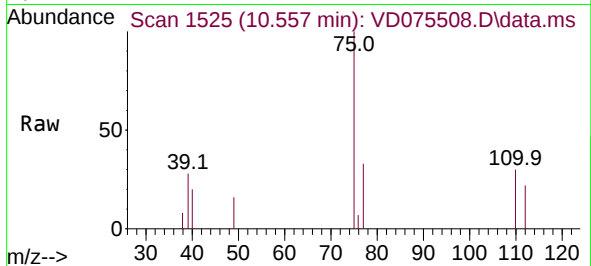




#53
 t-1,3-Dichloropropene
 Concen: 2.420 ug/l
 RT: 10.557 min Scan# 1525
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

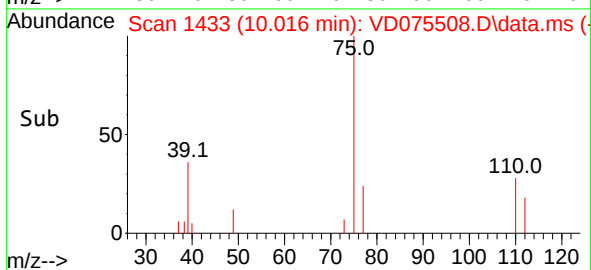
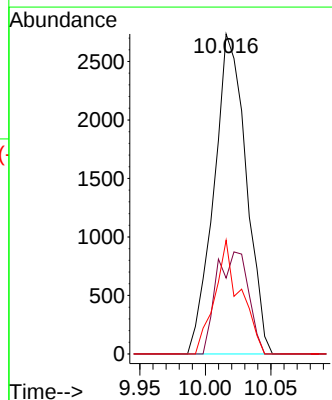
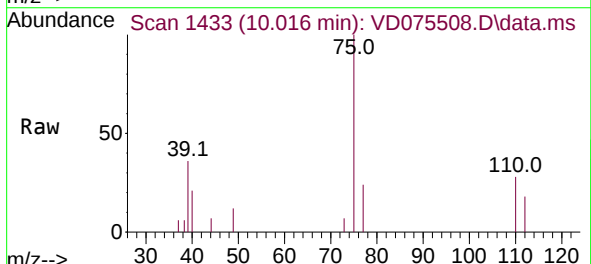
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

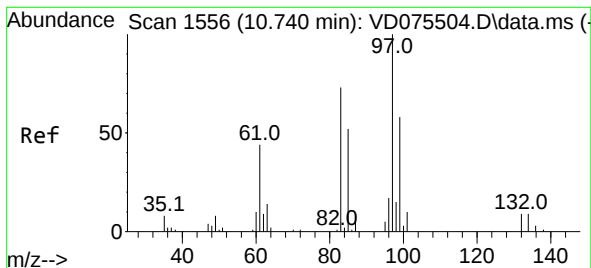
Tgt Ion: 75 Resp: 3810
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 2.413 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

Tgt Ion: 75 Resp: 4665
 Ion Ratio Lower Upper
 75 100
 77 23.7 25.6 38.4#
 39 35.6 44.8 67.2#





#55

1,1,2-Trichloroethane

Concen: 2.666 ug/l

RT: 10.739 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 97 Resp: 2727

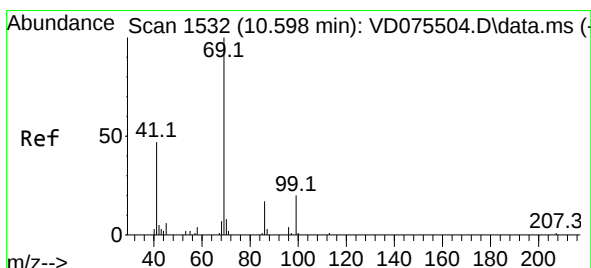
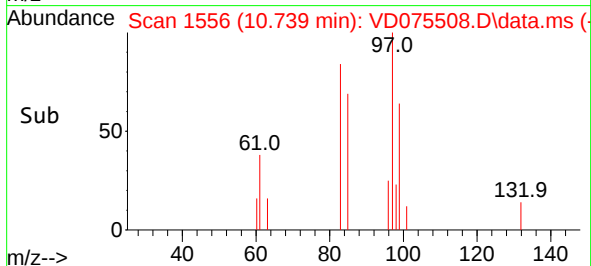
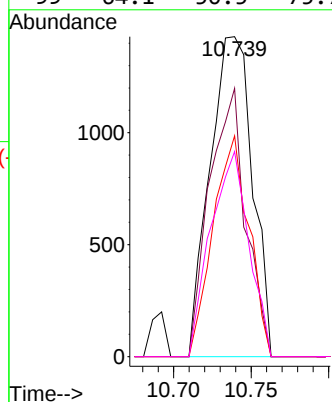
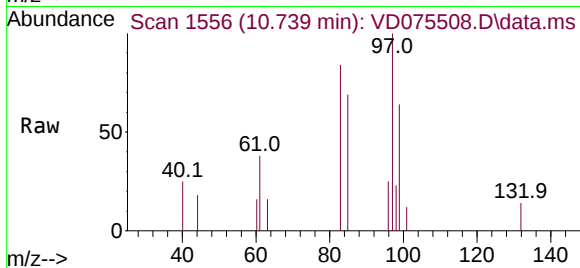
Ion Ratio Lower Upper

97 100

83 83.8 74.2 111.4

85 69.0 45.4 68.0#

99 64.1 50.5 75.7



#56

Ethyl methacrylate

Concen: 2.280 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

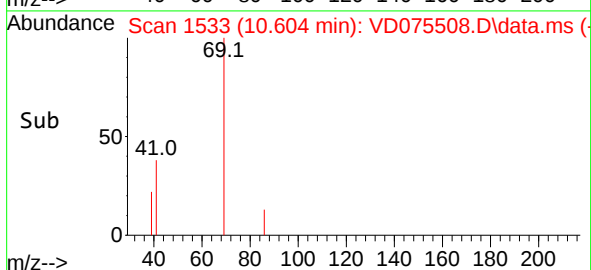
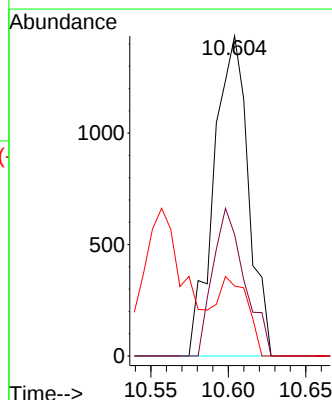
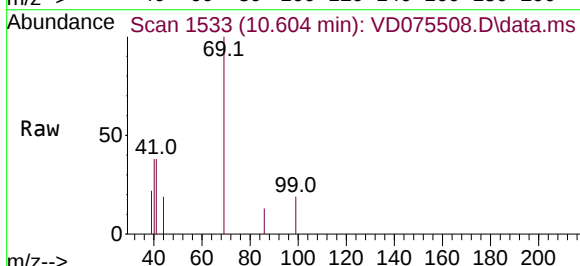
Tgt Ion: 69 Resp: 2221

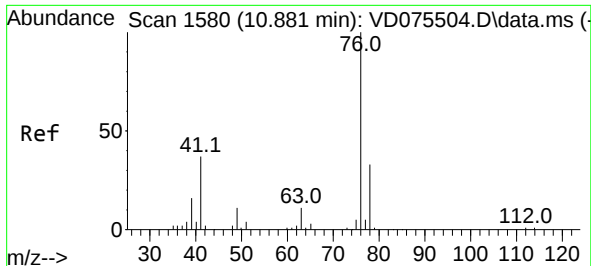
Ion Ratio Lower Upper

69 100

41 42.6 59.3 88.9#

39 21.9 36.0 54.0#





#57

1,3-Dichloropropane

Concen: 2.492 ug/l

RT: 10.880 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

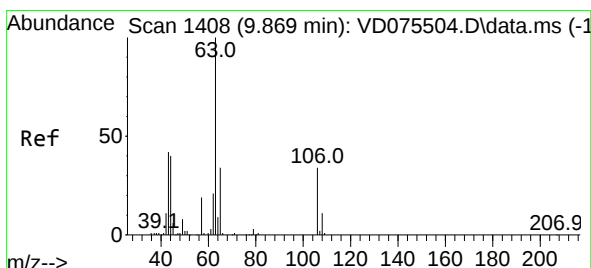
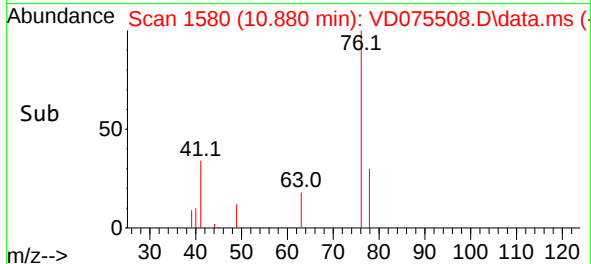
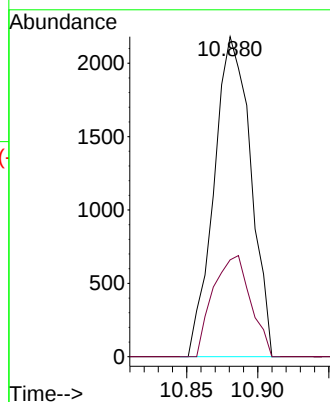
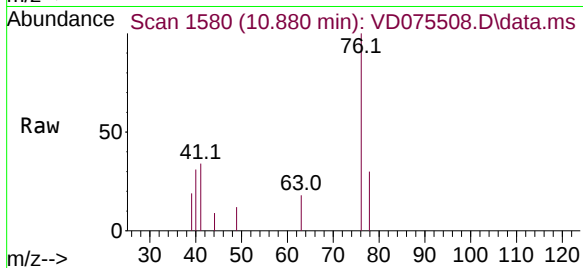
MDL-SOIL-03-QT1-2022

Tgt Ion: 76 Resp: 3924

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 9.968 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075508.D

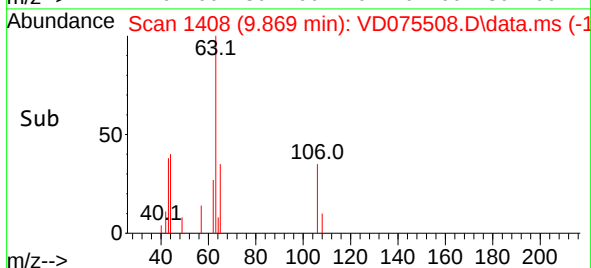
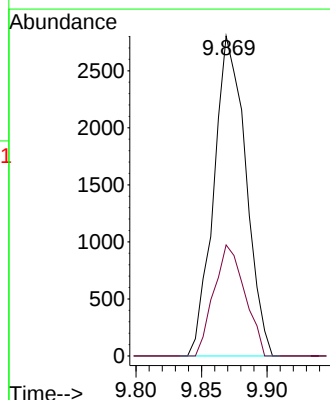
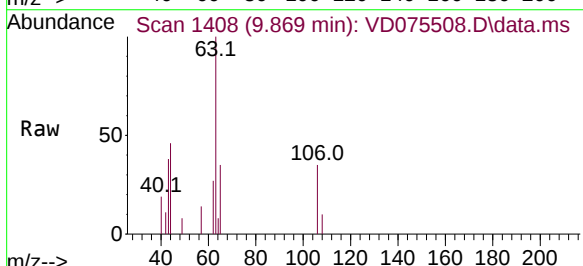
Acq: 13 Mar 2023 14:40

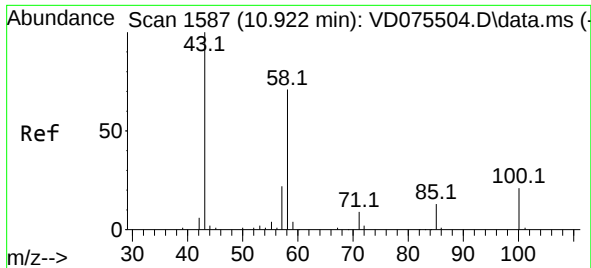
Tgt Ion: 63 Resp: 4752

Ion Ratio Lower Upper

63 100

106 33.6 21.4 32.2#

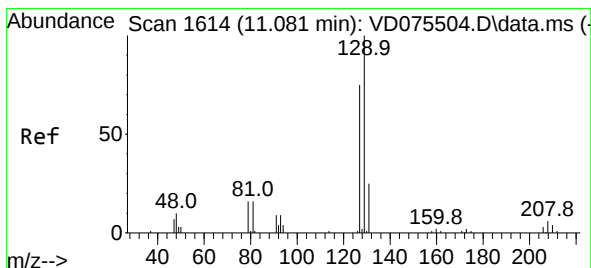
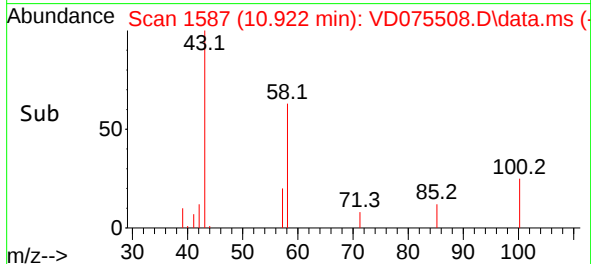
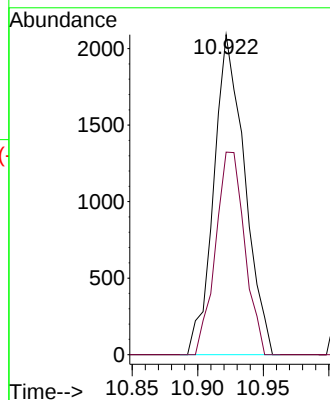
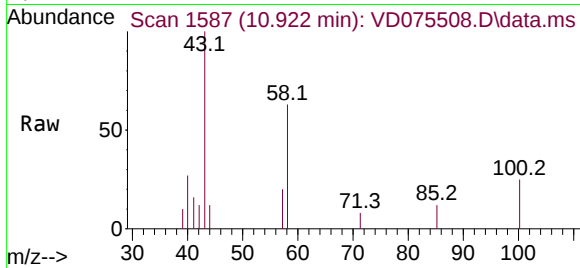




#59
2-Hexanone
Concen: 10.625 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

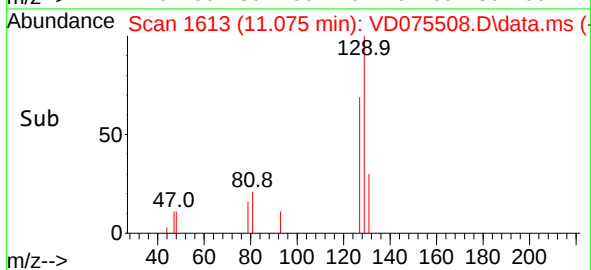
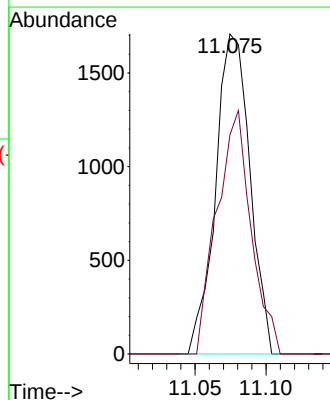
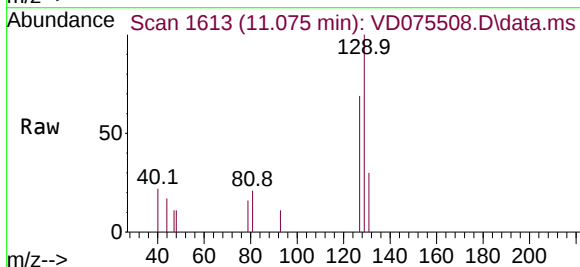
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

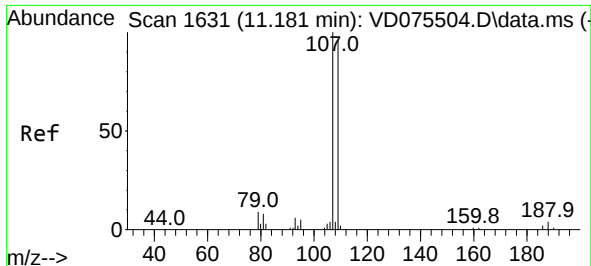
Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
58 59.4 25.3 75.8



#60
Dibromochloromethane
Concen: 2.374 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 129 Resp: 2870
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.5

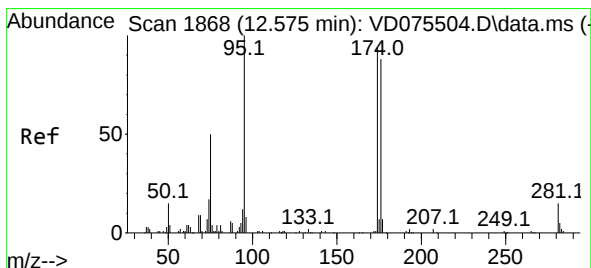
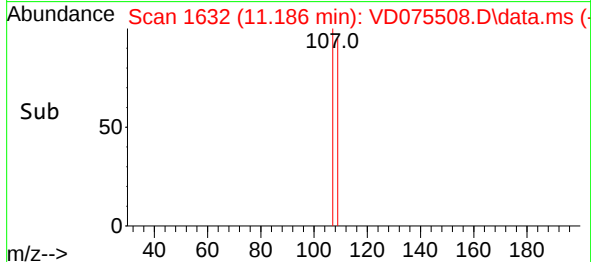
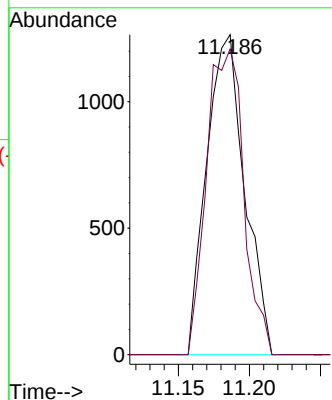
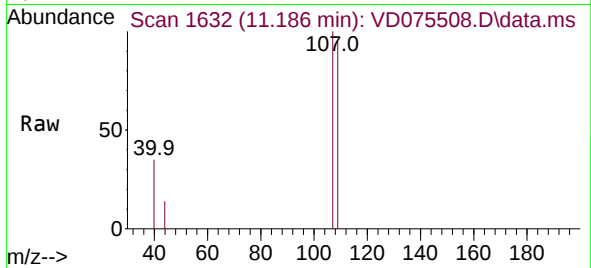




#61
1,2-Dibromoethane
Concen: 2.443 ug/l
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

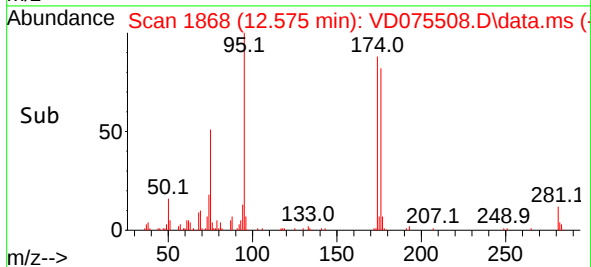
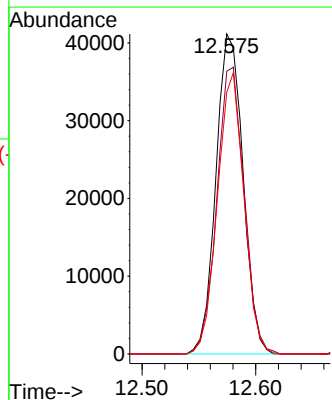
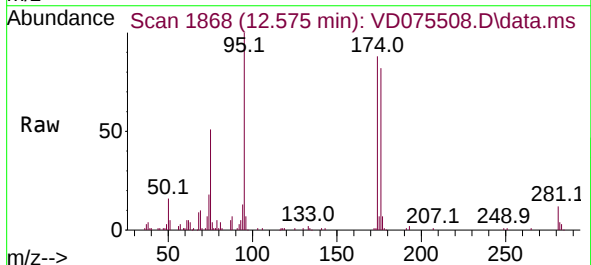
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

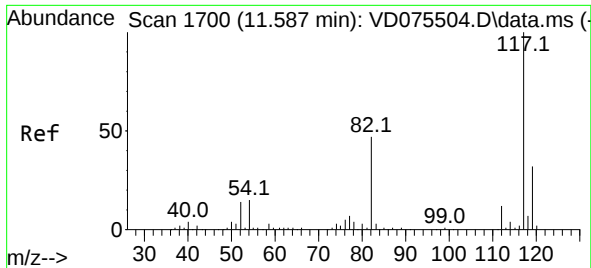
Tgt Ion:107 Resp: 2354
Ion Ratio Lower Upper
107 100
109 93.3 73.6 110.4



#62
4-Bromofluorobenzene
Concen: 48.611 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 95 Resp: 68178
Ion Ratio Lower Upper
95 100
174 90.3 0.0 164.0
176 85.8 0.0 156.8

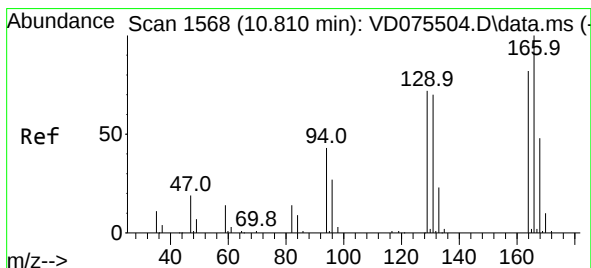
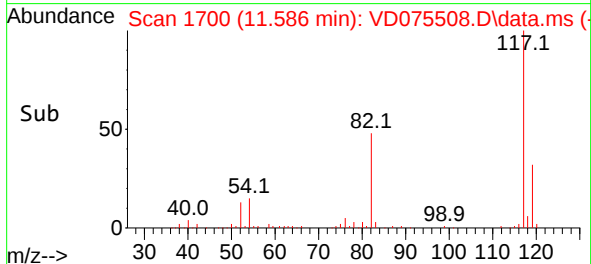
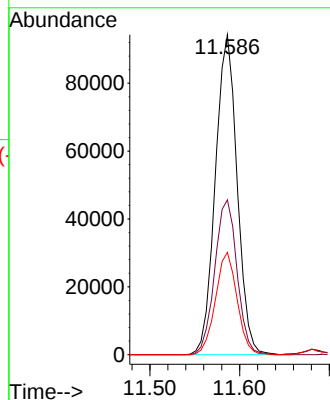
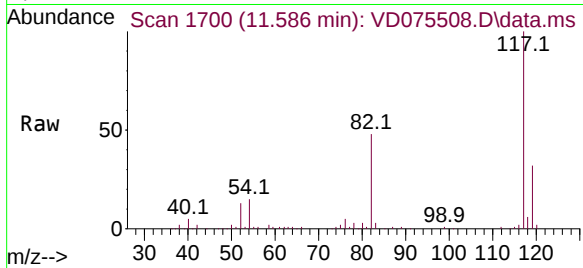




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

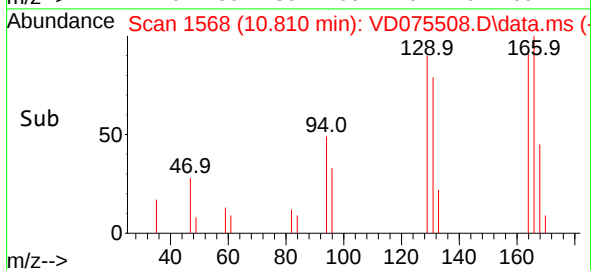
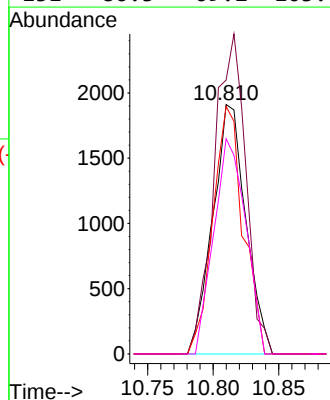
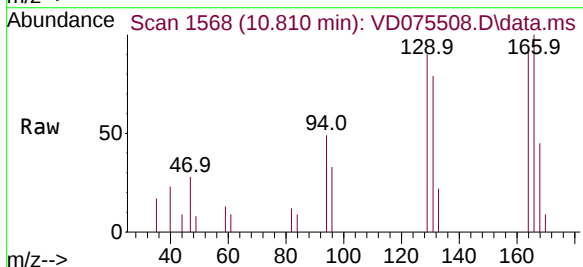
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

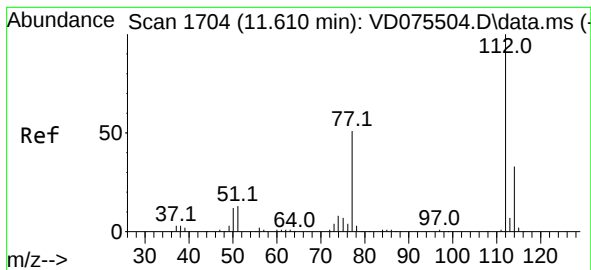
Tgt Ion:	117	Resp:	159096
Ion	Ratio	Lower	Upper
117	100		
82	48.4	44.0	66.0
119	32.0	25.1	37.7



#64
Tetrachloroethene
Concen: 2.667 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:	164	Resp:	3348
Ion	Ratio	Lower	Upper
164	100		
166	109.8	94.9	142.3
129	99.3	73.0	109.6
131	86.3	69.2	103.8





#65

Chlorobenzene

Concen: 2.616 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

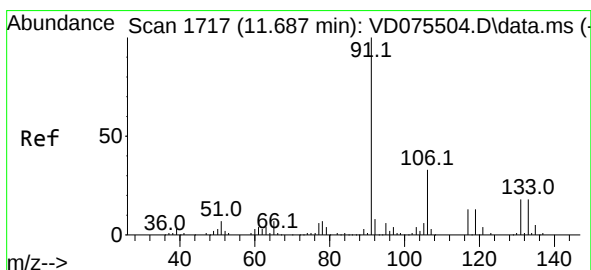
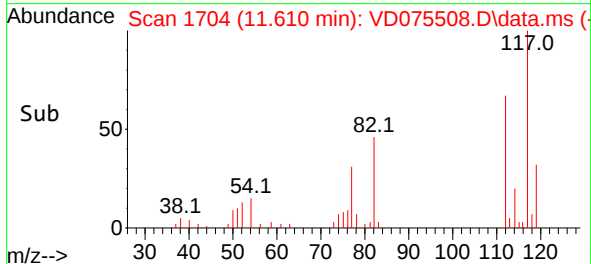
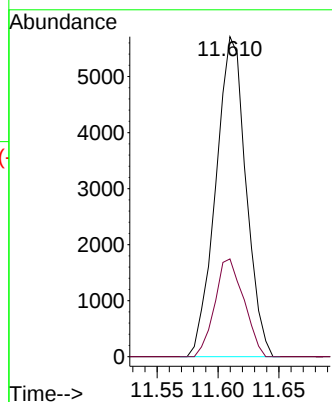
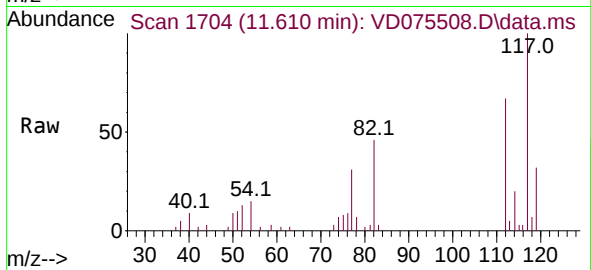
MDL-SOIL-03-QT1-2022

Tgt Ion:112 Resp: 9870

Ion Ratio Lower Upper

112 100

114 30.6 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 2.415 ug/l

RT: 11.686 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

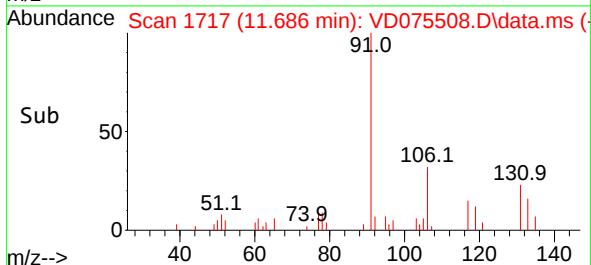
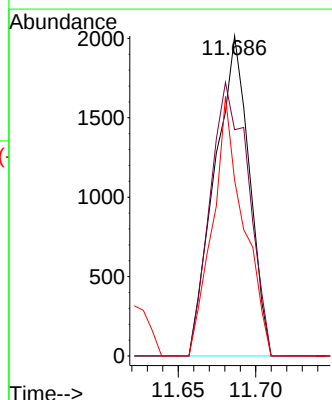
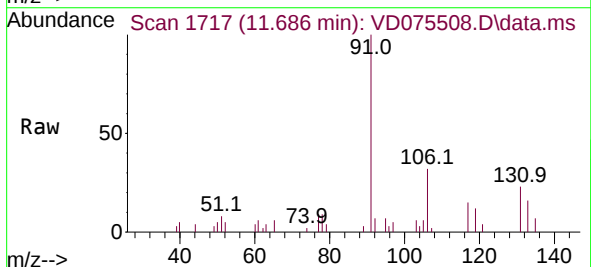
Tgt Ion:131 Resp: 3122

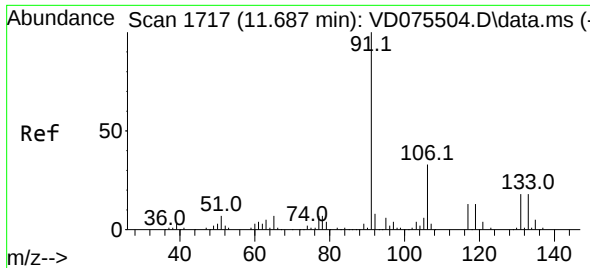
Ion Ratio Lower Upper

131 100

133 94.6 46.7 140.0

119 72.2 31.9 95.9

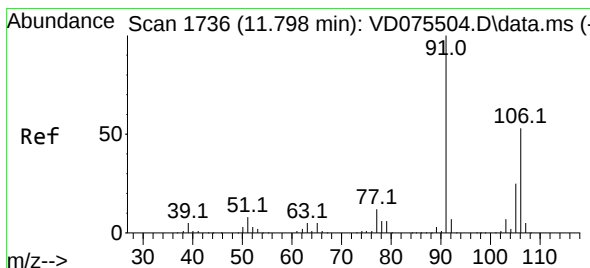
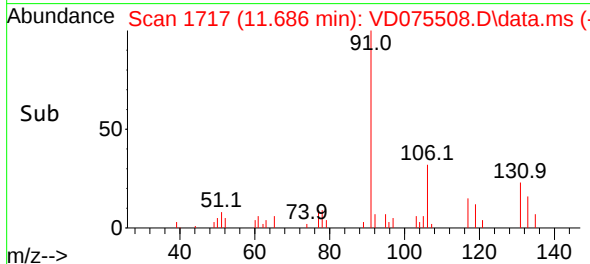
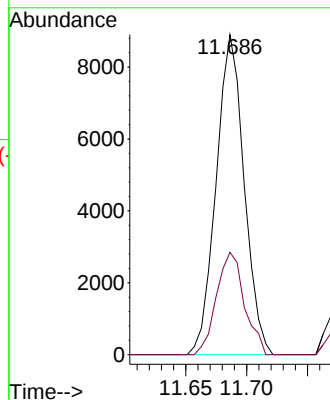
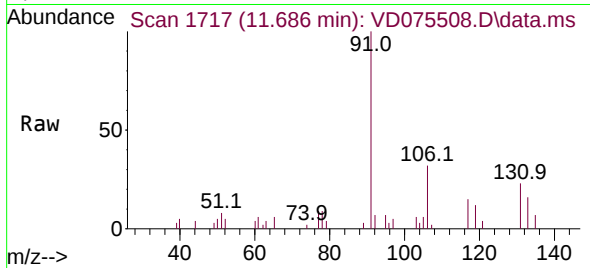




#67
Ethyl Benzene
Concen: 2.190 ug/l
RT: 11.686 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

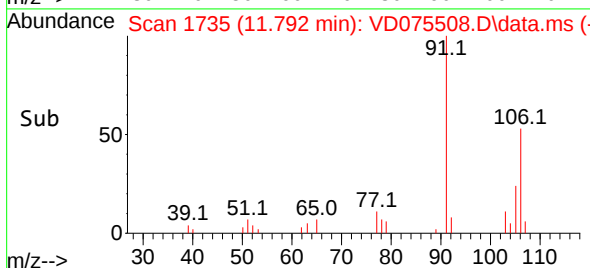
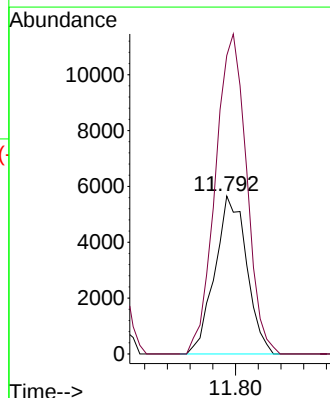
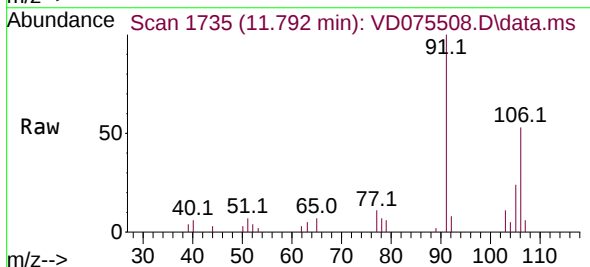
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

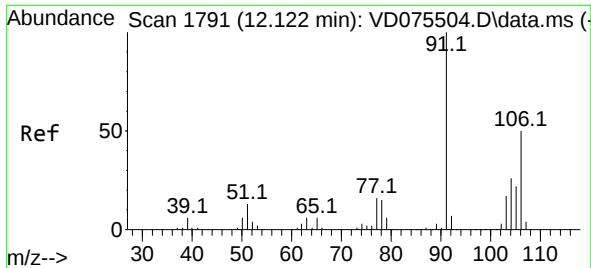
Tgt Ion: 91 Resp: 14228
Ion Ratio Lower Upper
91 100
106 32.0 24.5 36.7



#68
m/p-Xylenes
Concen: 4.200 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 106 Resp: 10970
Ion Ratio Lower Upper
106 100
91 199.1 161.5 242.3

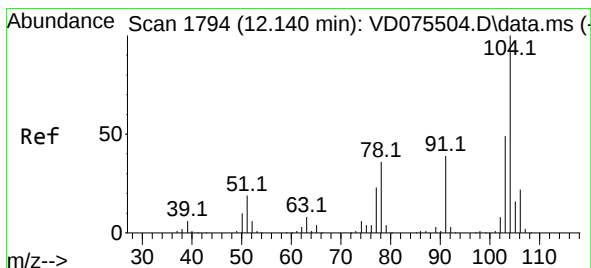
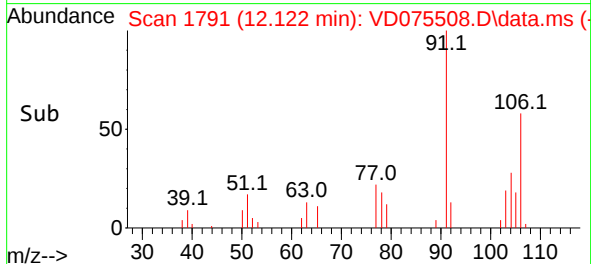
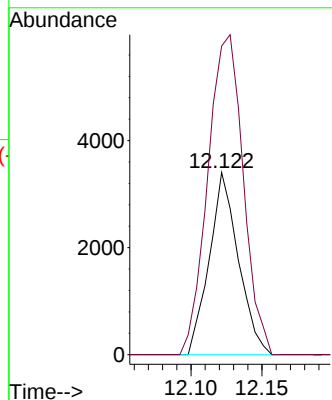
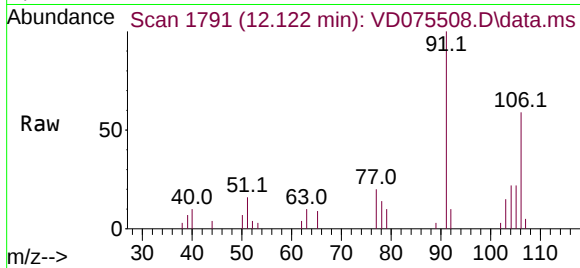




#69
o-Xylene
Concen: 1.998 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

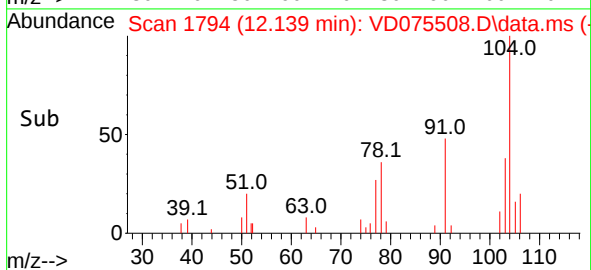
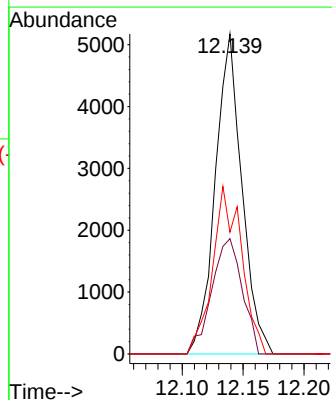
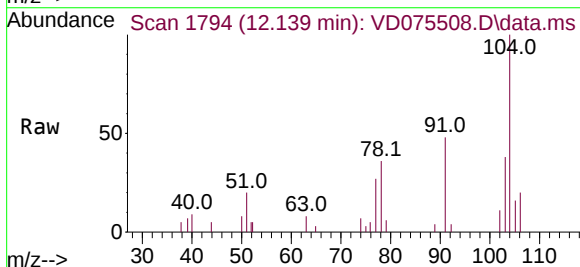
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

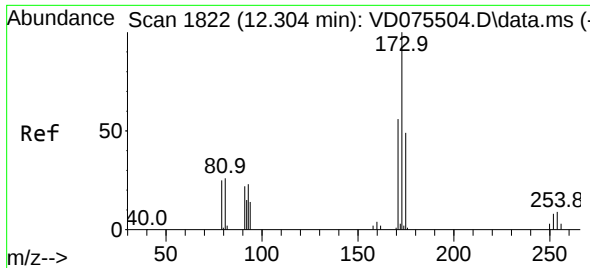
Tgt Ion:106 Resp: 4847
Ion Ratio Lower Upper
106 100
91 213.6 105.7 317.1



#70
Styrene
Concen: 1.952 ug/l
RT: 12.139 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:104 Resp: 7876
Ion Ratio Lower Upper
104 100
78 41.3 40.2 60.4
103 57.0 44.2 66.2

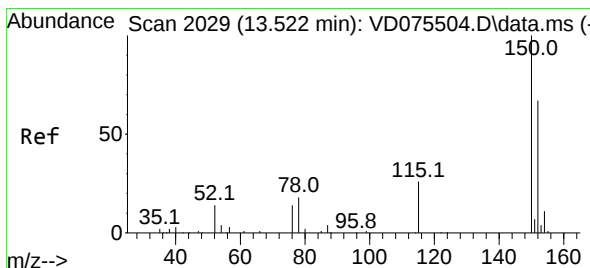
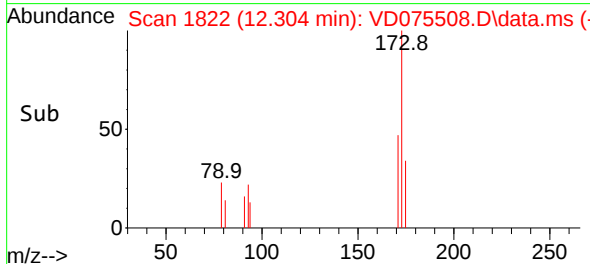
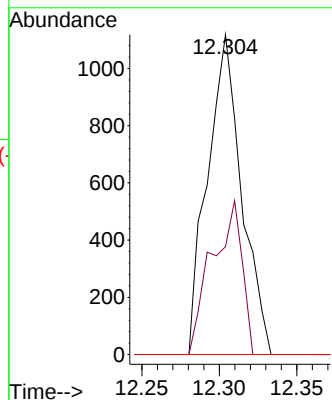
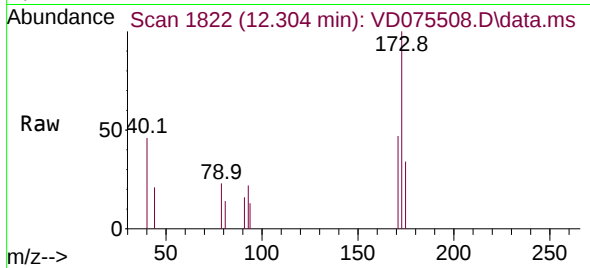




#71
Bromoform
Concen: 2.591 ug/l
RT: 12.304 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

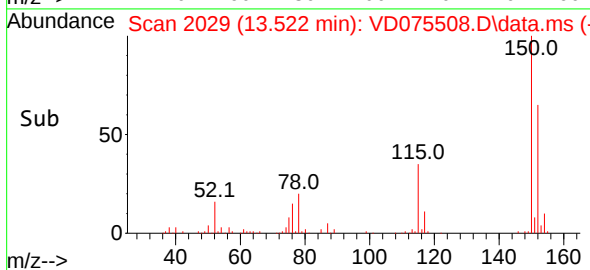
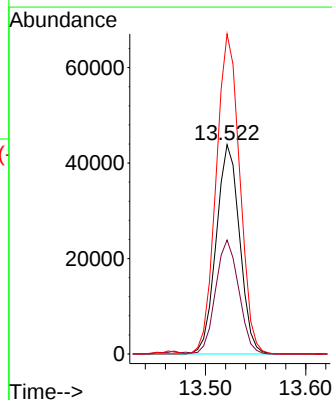
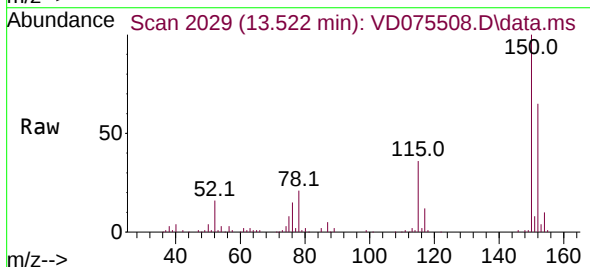
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

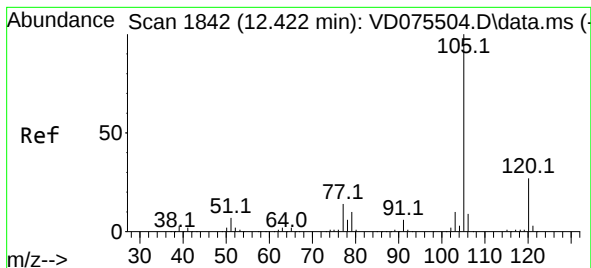
Tgt Ion:173 Resp: 1710
Ion Ratio Lower Upper
173 100
175 42.4 23.5 70.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:152 Resp: 70897
Ion Ratio Lower Upper
152 100
115 53.9 30.1 90.3
150 154.5 0.0 364.8





#73

Isopropylbenzene

Concen: 2.234 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

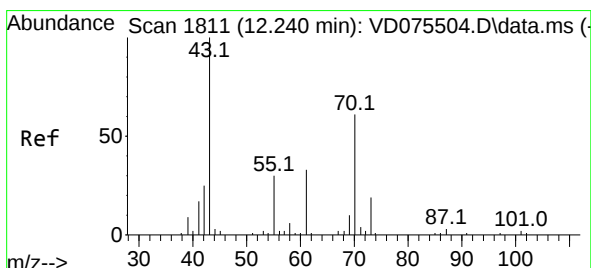
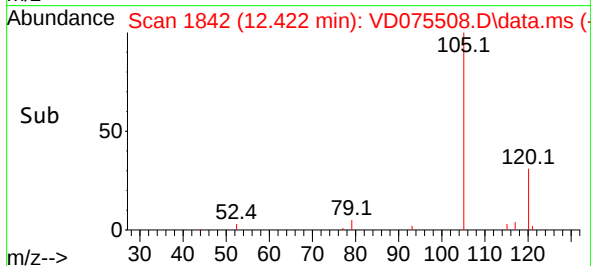
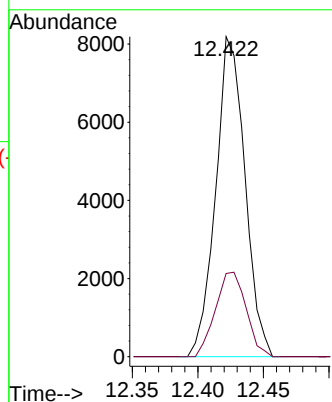
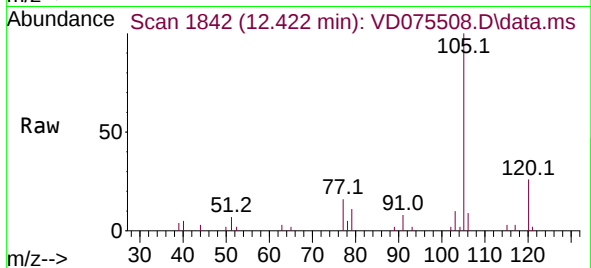
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 12685

Ion Ratio Lower Upper

105 100

120 27.7 13.4 40.1



#74

N-ethyl acetate

Concen: 2.293 ug/l

RT: 12.245 min Scan# 1812

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion: 43 Resp: 1613

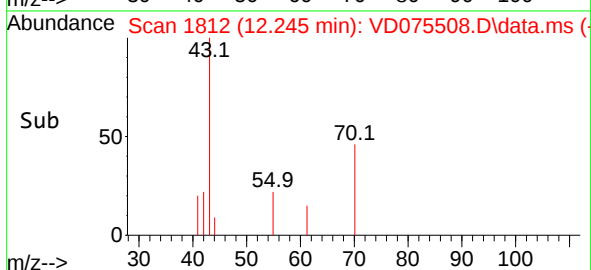
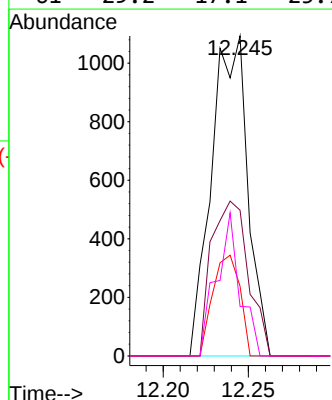
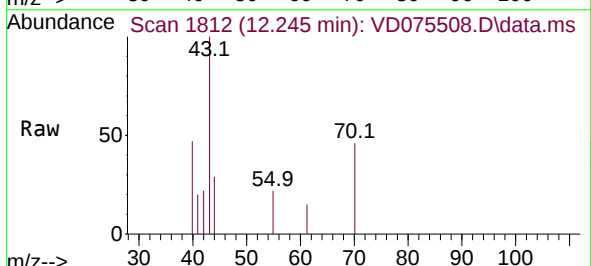
Ion Ratio Lower Upper

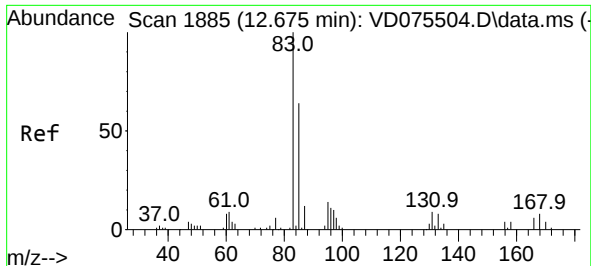
43 100

70 49.3 31.0 46.4#

55 23.6 18.6 28.0

61 29.2 17.1 25.7#

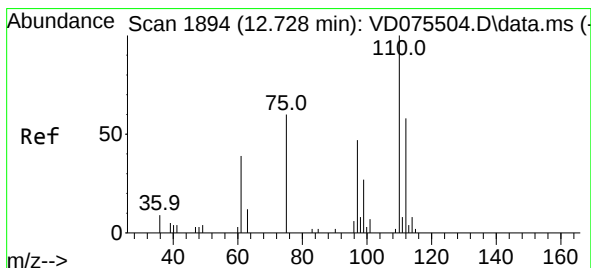
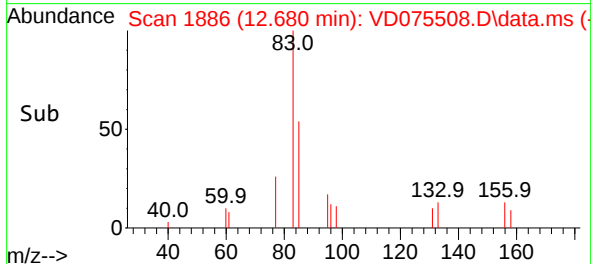
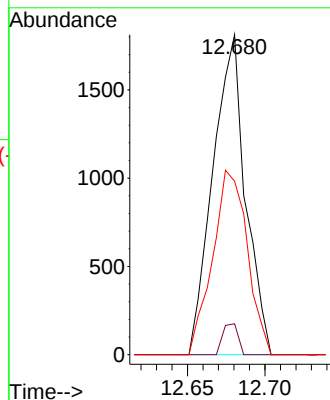
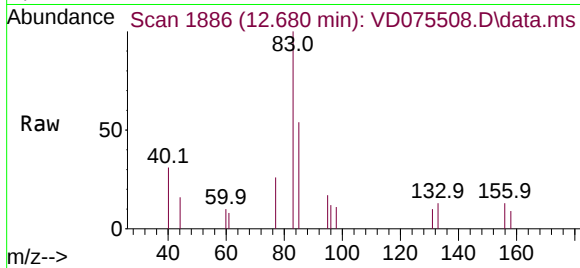




#75
1,1,2,2-Tetrachloroethane
Concen: 2.748 ug/l
RT: 12.680 min Scan# 1886
Delta R.T. 0.006 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

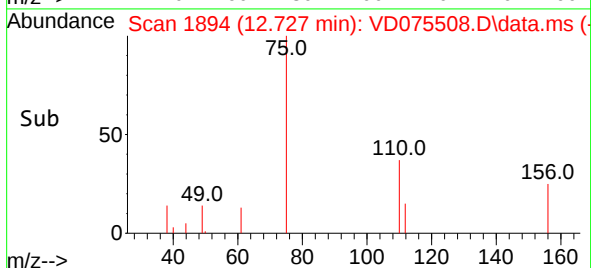
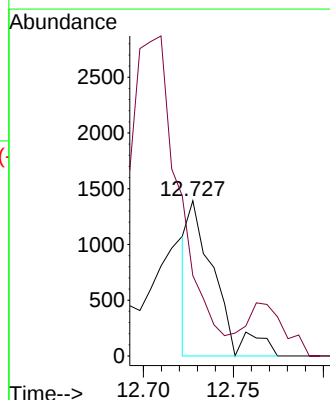
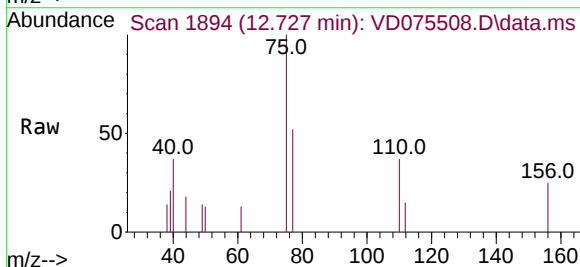
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

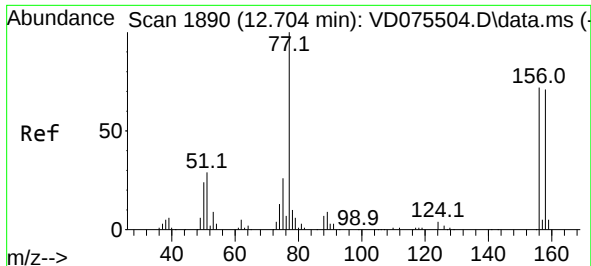
Tgt Ion: 83 Resp: 2646
Ion Ratio Lower Upper
83 100
131 4.5 5.1 15.2#
85 61.4 33.6 100.6



#76
1,2,3-Trichloropropane
Concen: 2.494 ug/l m
RT: 12.727 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 75 Resp: 1450
Ion Ratio Lower Upper
75 100
77 397.5 0.0 0.0#

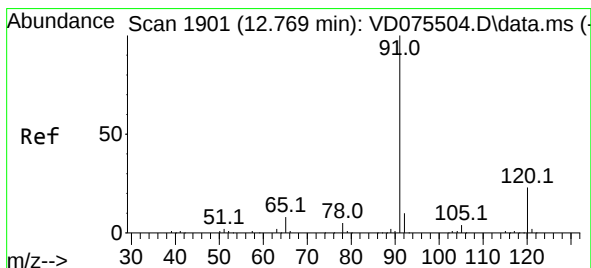
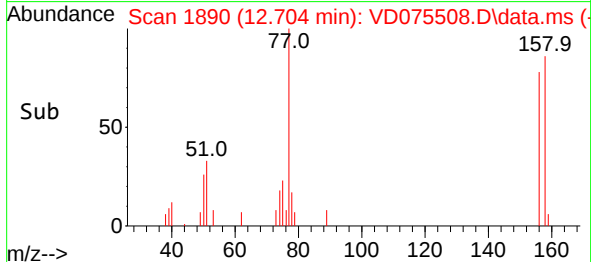
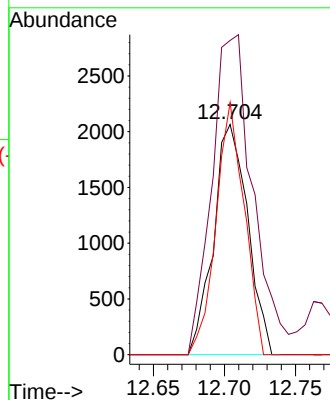
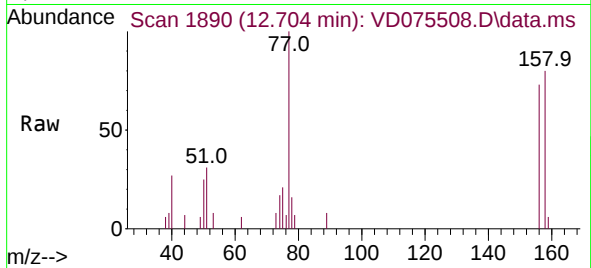




#77
Bromobenzene
Concen: 2.560 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

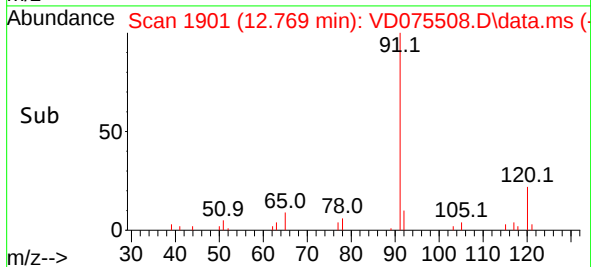
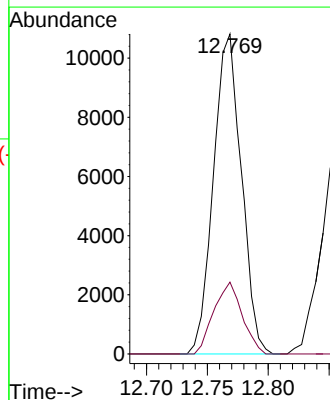
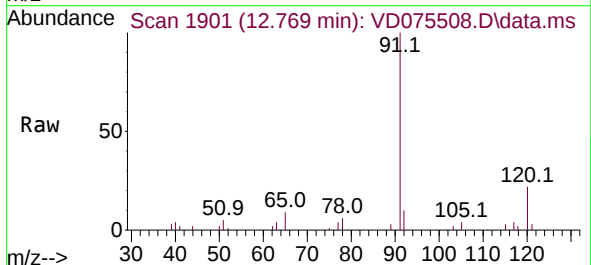
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

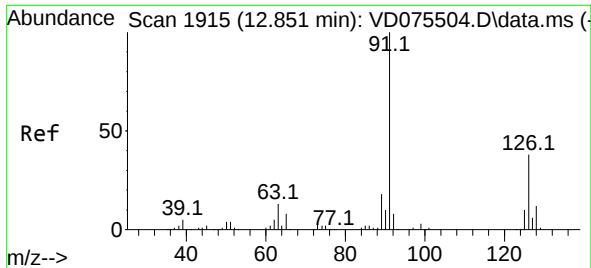
Tgt Ion:	156	Resp:	3455
Ion Ratio	Lower	Upper	
156	100		
77	166.8	89.5	268.6
158	90.5	47.8	143.4



#78
n-propylbenzene
Concen: 2.501 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:	91	Resp:	17255
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2

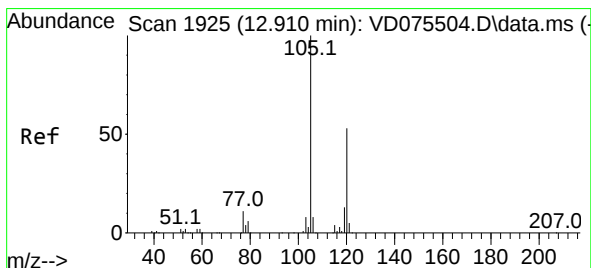
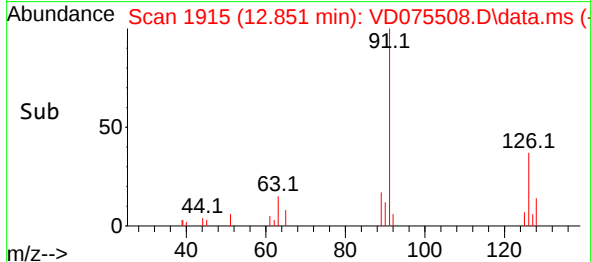
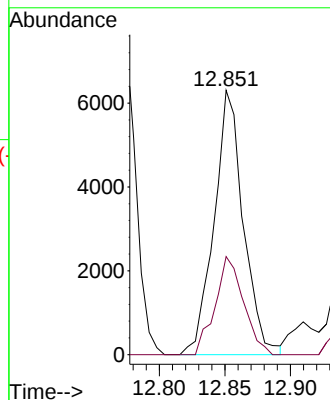
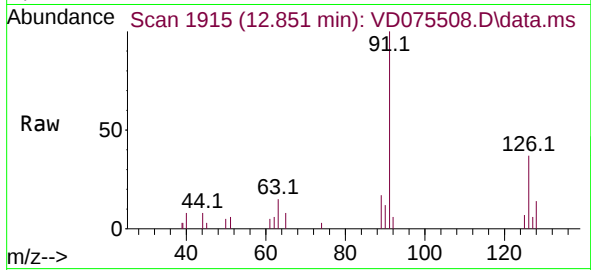




#79
2-Chlorotoluene
Concen: 2.617 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

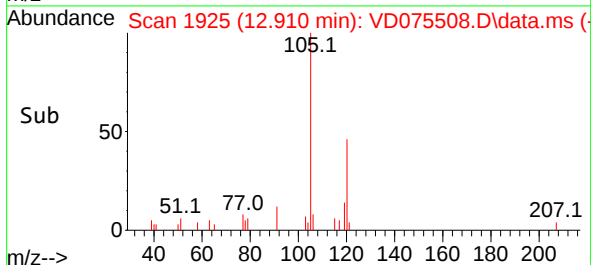
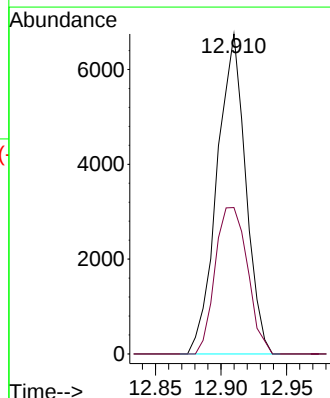
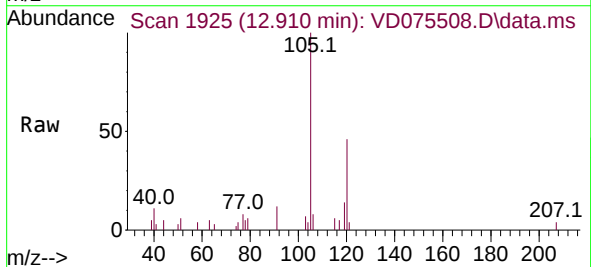
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

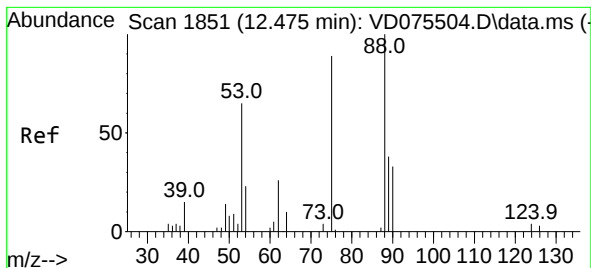
Tgt Ion: 91 Resp: 9784
Ion Ratio Lower Upper
91 100
126 35.9 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 2.201 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion: 105 Resp: 10247
Ion Ratio Lower Upper
105 100
120 51.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 1.635 ug/l m

RT: 12.480 min Scan# 1851

Delta R.T. 0.011 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

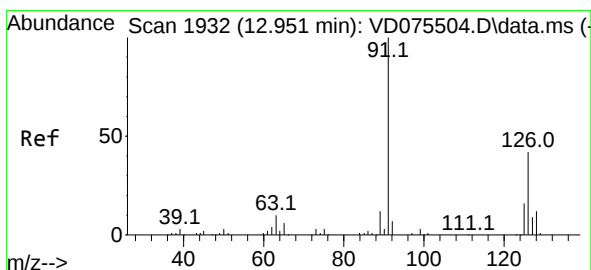
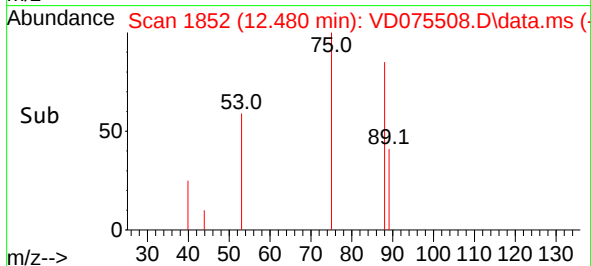
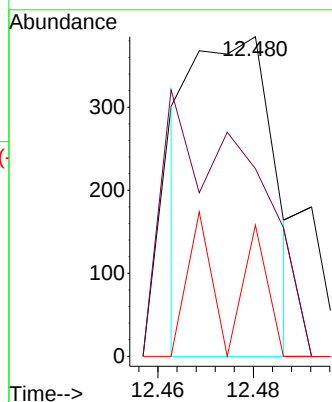
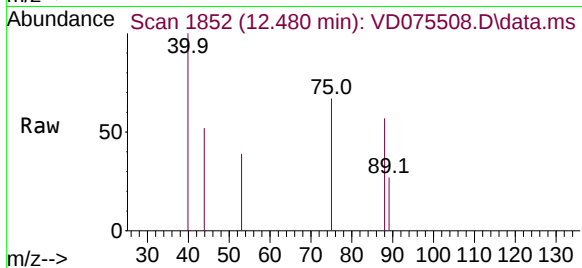
Tgt Ion: 75 Resp: 452

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 12.6 40.2 60.4#



#82

4-Chlorotoluene

Concen: 2.459 ug/l

RT: 12.951 min Scan# 1932

Delta R.T. -0.000 min

Lab File: VD075508.D

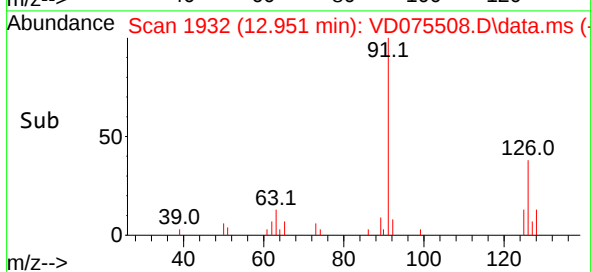
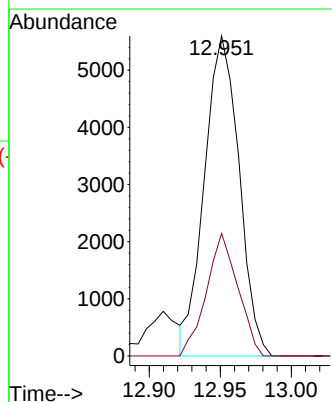
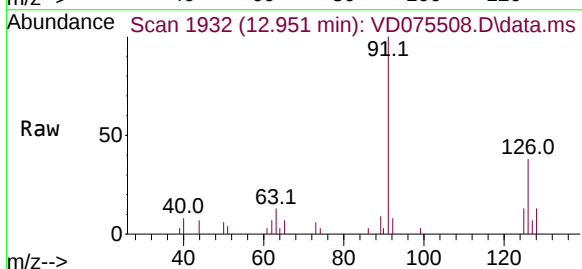
Acq: 13 Mar 2023 14:40

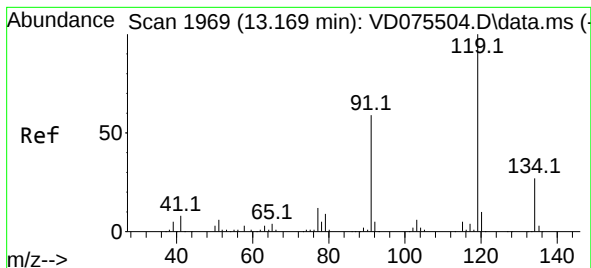
Tgt Ion: 91 Resp: 9484

Ion Ratio Lower Upper

91 100

126 34.8 17.1 51.2





#83

tert-Butylbenzene

Concen: 2.251 ug/l

RT: 13.174 min Scan# 1969

Delta R.T. 0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

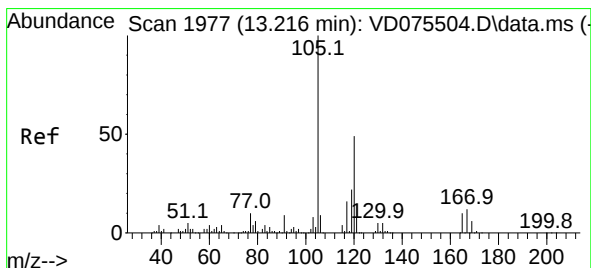
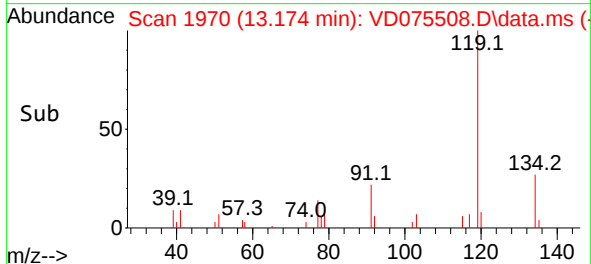
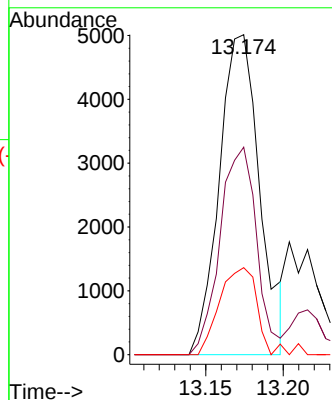
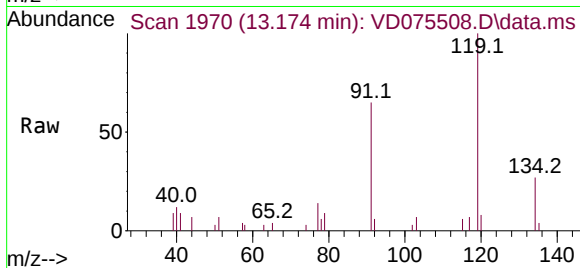
Tgt Ion:119 Resp: 9107

Ion Ratio Lower Upper

119 100

91 58.7 32.4 97.0

134 25.8 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 2.049 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075508.D

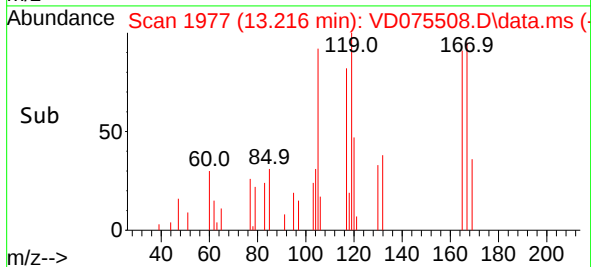
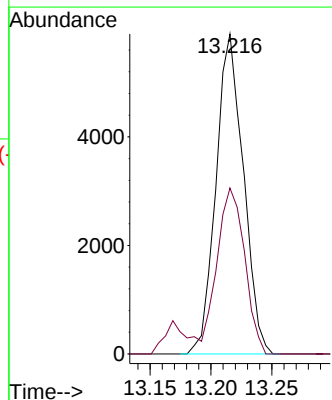
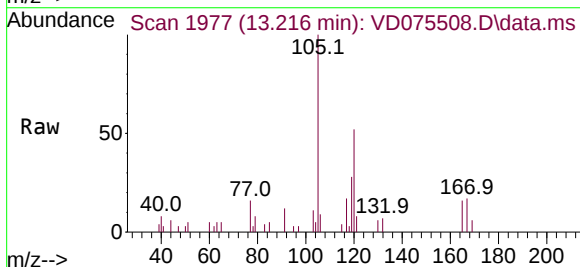
Acq: 13 Mar 2023 14:40

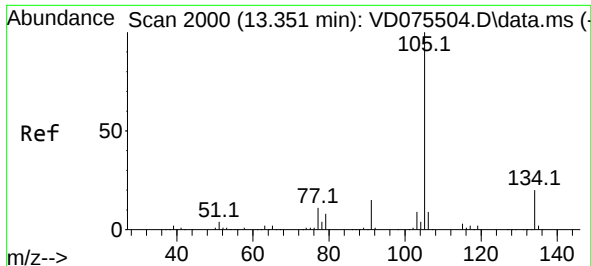
Tgt Ion:105 Resp: 9218

Ion Ratio Lower Upper

105 100

120 52.1 22.3 66.9

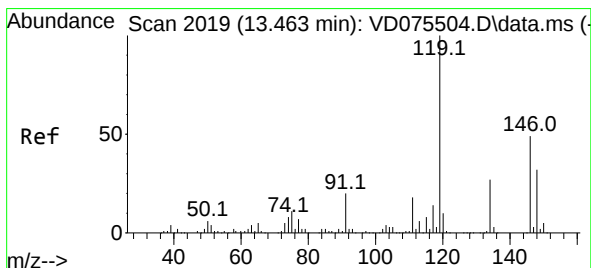
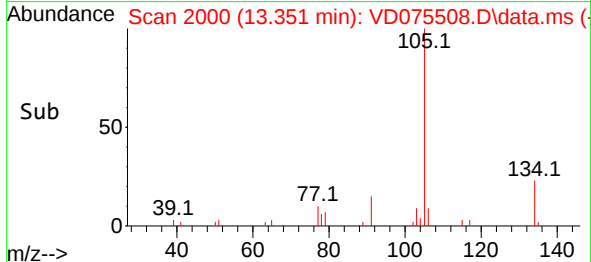
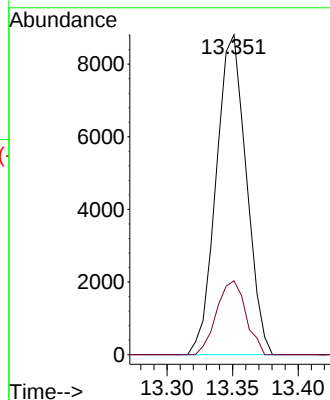
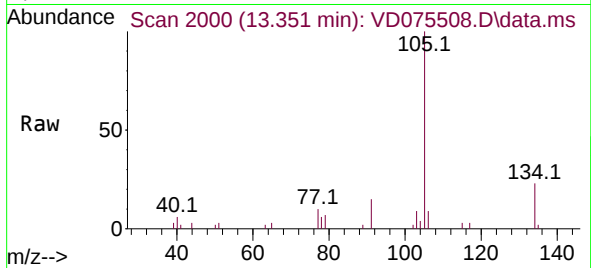




#85
 sec-Butylbenzene
 Concen: 2.246 ug/l
 RT: 13.351 min Scan# 2000
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

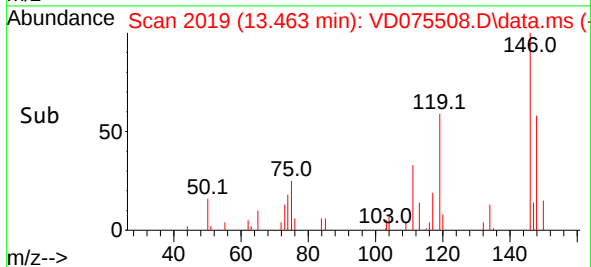
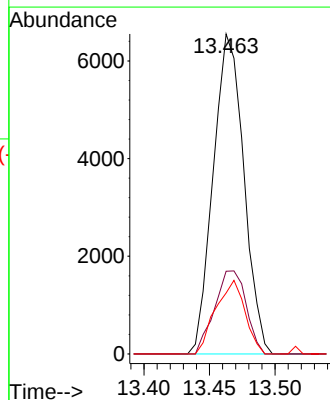
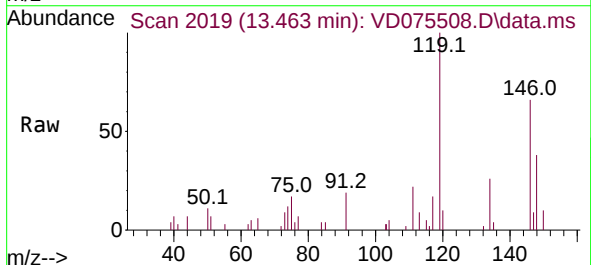
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

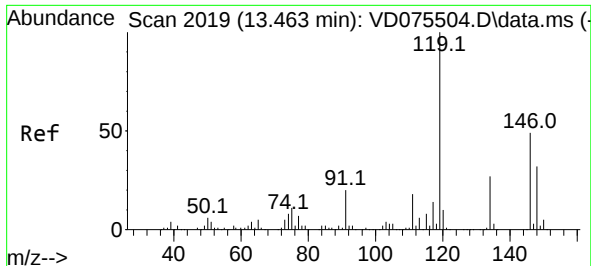
Tgt Ion:105 Resp: 14068
 Ion Ratio Lower Upper
 105 100
 134 22.4 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 2.074 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

Tgt Ion:119 Resp: 10617
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.1 39.3
 91 22.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 2.610 ug/l

RT: 13.457 min Scan# 2019

Delta R.T. -0.006 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

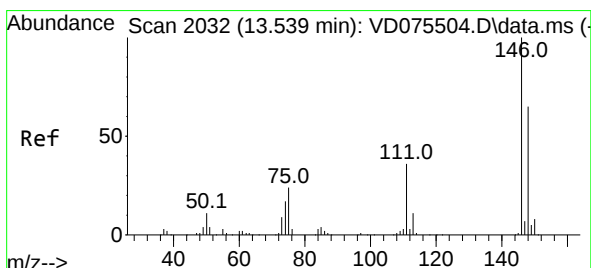
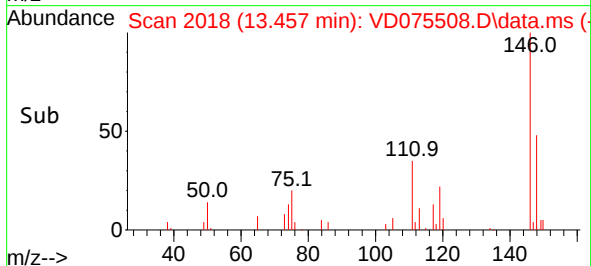
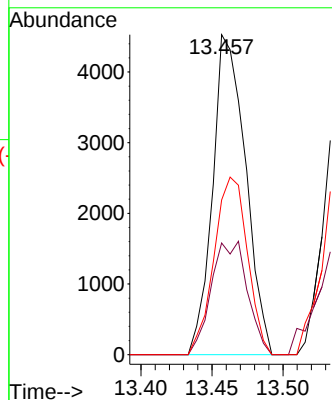
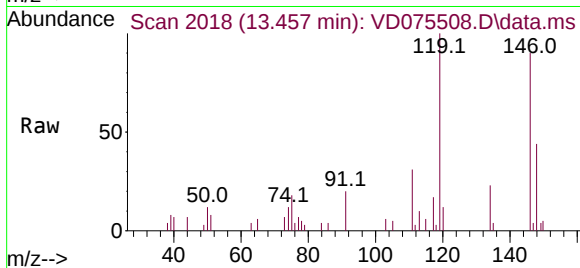
Tgt Ion:146 Resp: 7282

Ion Ratio Lower Upper

146 100

111 38.9 19.8 59.3

148 56.5 31.0 93.0



#88

1,4-Dichlorobenzene

Concen: 2.652 ug/l

RT: 13.545 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

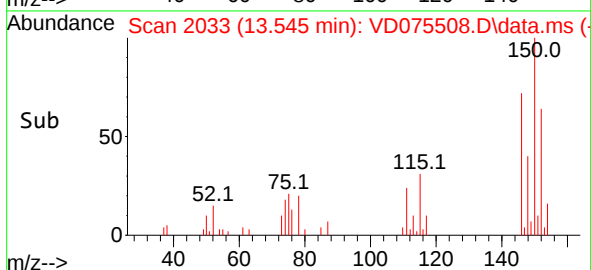
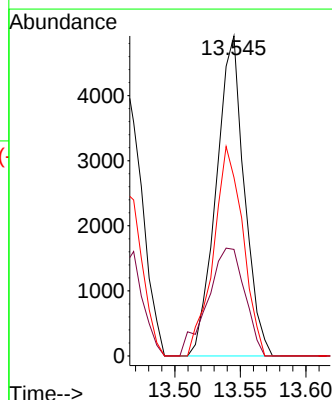
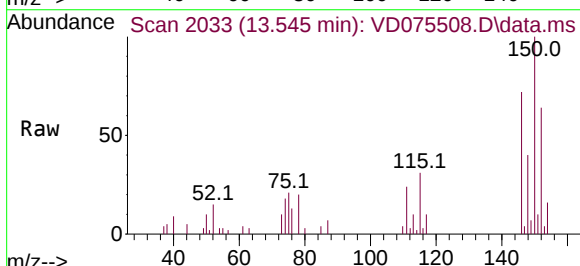
Tgt Ion:146 Resp: 7319

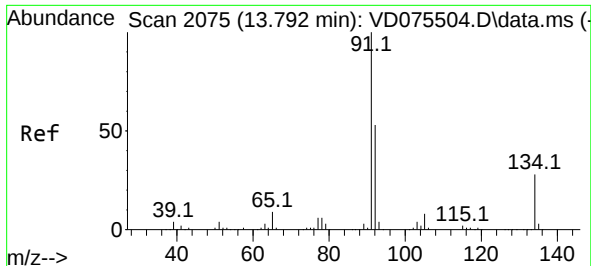
Ion Ratio Lower Upper

146 100

111 44.4 19.6 58.8

148 68.7 31.7 95.1

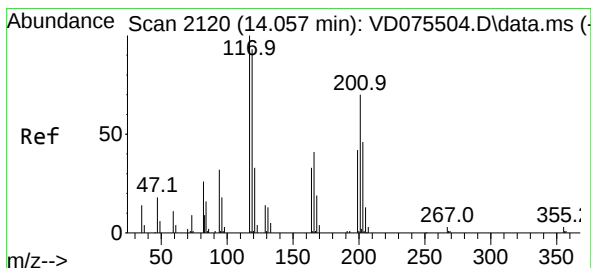
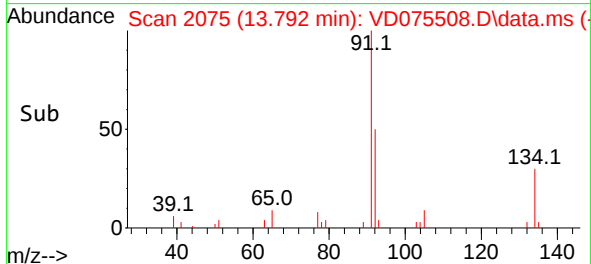
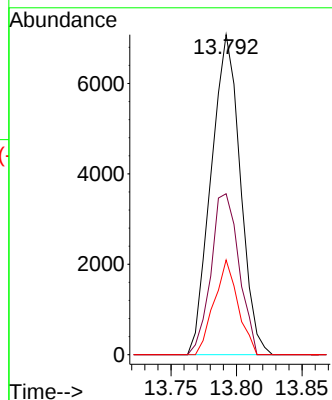
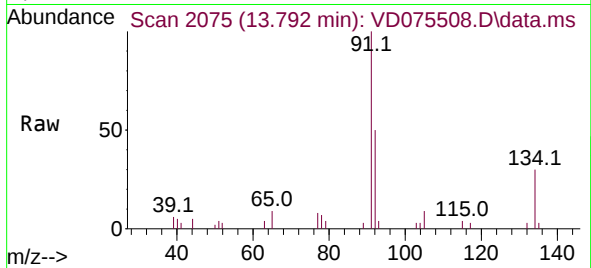




#89
n-Butylbenzene
Concen: 2.332 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

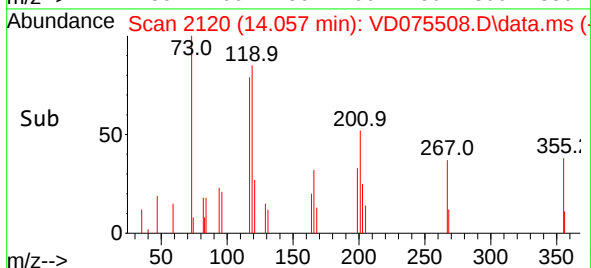
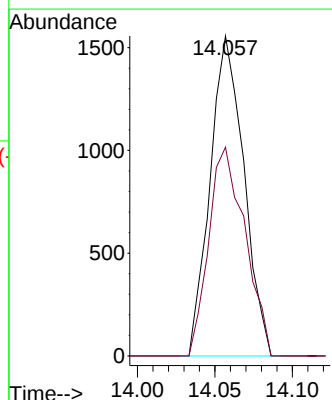
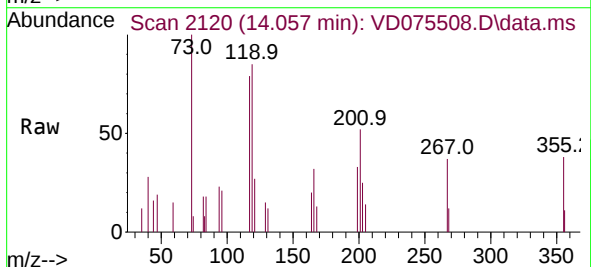
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

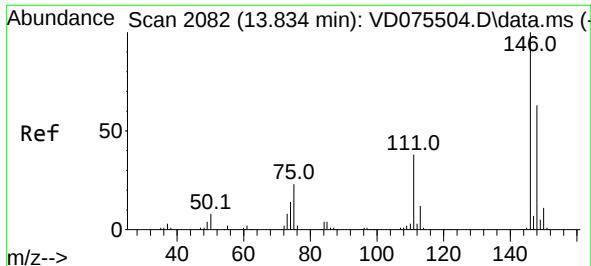
Tgt Ion:	91	Resp:	10946
Ion	Ratio	Lower	Upper
91	100		
92	48.4	26.2	78.5
134	24.2	12.7	38.0



#90
Hexachloroethane
Concen: 2.383 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. -0.000 min
Lab File: VD075508.D
Acq: 13 Mar 2023 14:40

Tgt Ion:	117	Resp:	2355
Ion	Ratio	Lower	Upper
117	100		
201	70.1	34.5	103.6





#91

1,2-Dichlorobenzene

Concen: 2.613 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

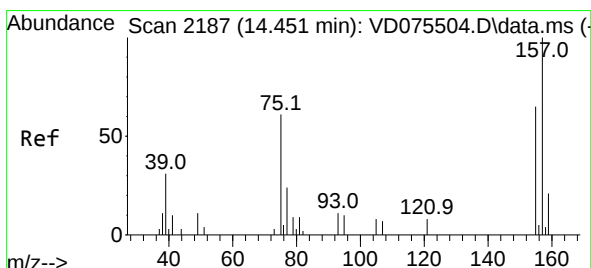
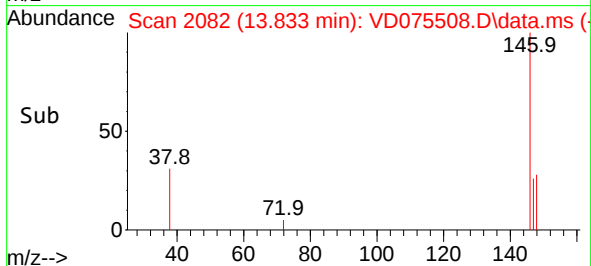
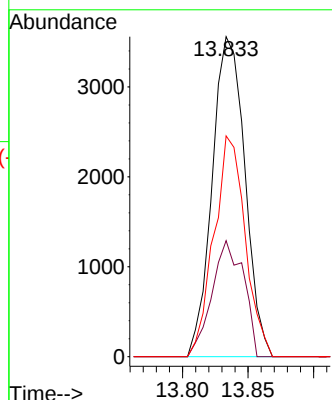
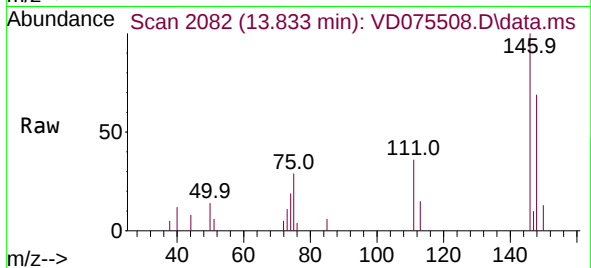
Tgt Ion:146 Resp: 6169

Ion Ratio Lower Upper

146 100

111 35.0 20.6 61.8

148 66.0 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.426 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

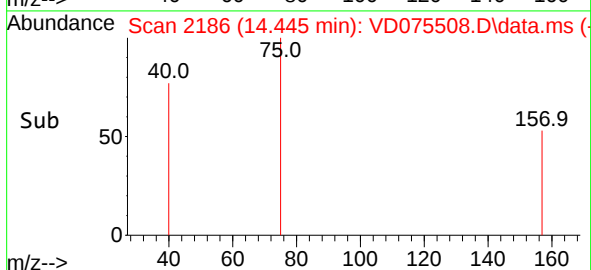
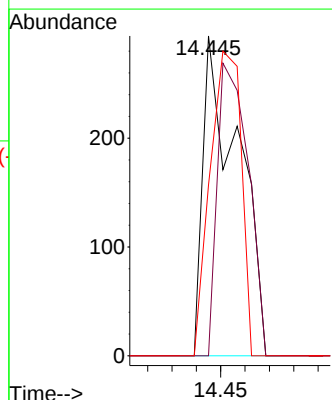
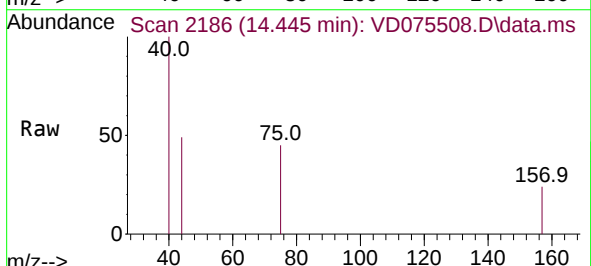
Tgt Ion: 75 Resp: 294

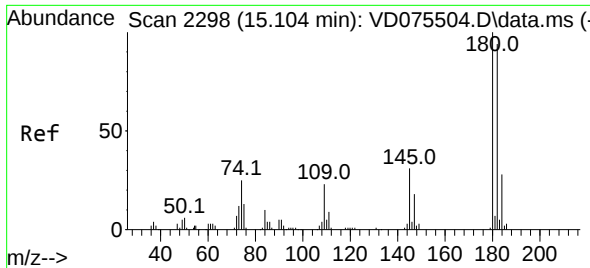
Ion Ratio Lower Upper

75 100

155 80.6 39.5 118.5

157 84.4 53.5 160.7

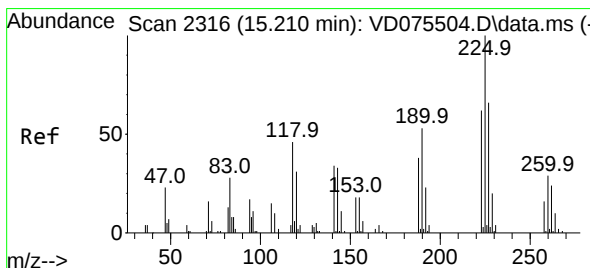
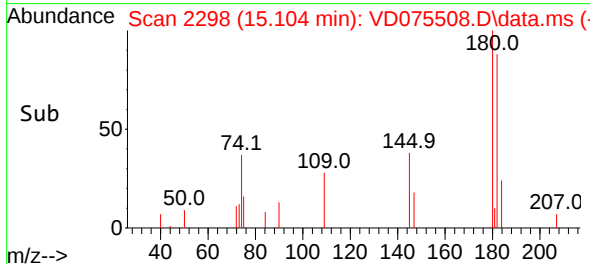
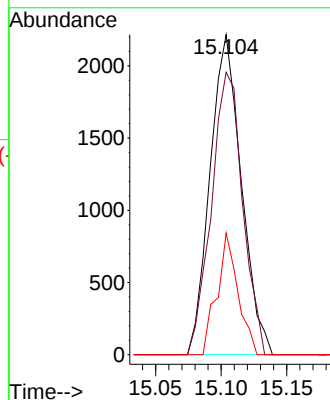
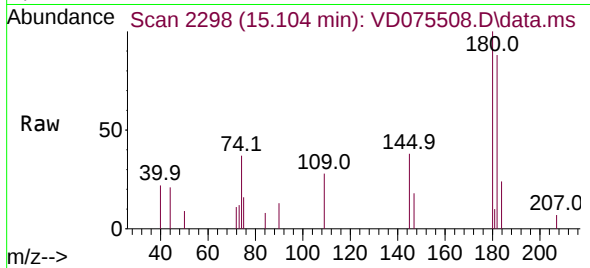




#93
 1,2,4-Trichlorobenzene
 Concen: 2.669 ug/l
 RT: 15.104 min Scan# 2115
 Delta R.T. -0.000 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

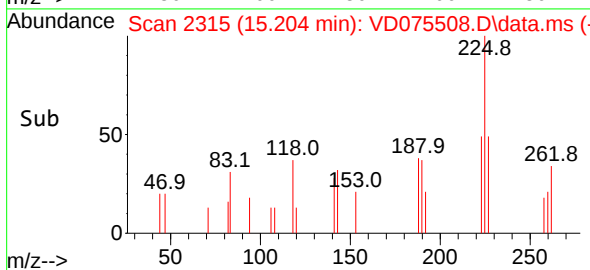
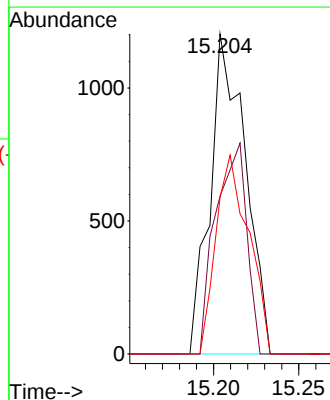
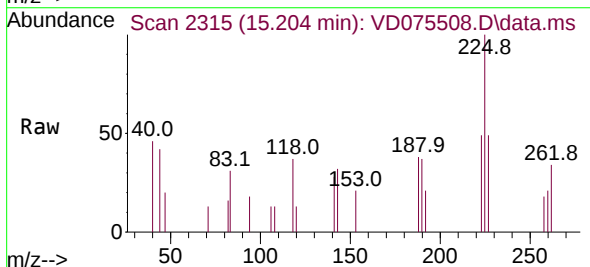
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

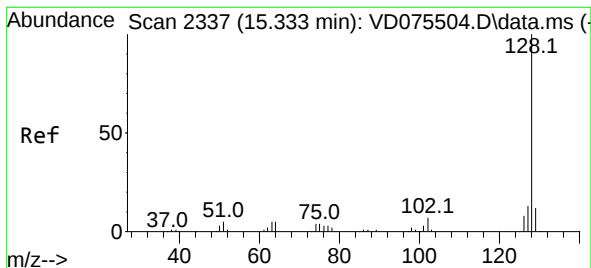
Tgt Ion:	180	Resp:	3675
Ion	Ratio	Lower	Upper
180	100		
182	88.0	47.9	143.7
145	25.4	15.9	47.7



#94
 Hexachlorobutadiene
 Concen: 2.636 ug/l
 RT: 15.204 min Scan# 2315
 Delta R.T. -0.006 min
 Lab File: VD075508.D
 Acq: 13 Mar 2023 14:40

Tgt Ion:	225	Resp:	1731
Ion	Ratio	Lower	Upper
225	100		
223	57.8	33.1	99.2
227	57.9	31.9	95.9





#95

Naphthalene

Concen: 2.407 ug/l

RT: 15.339 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

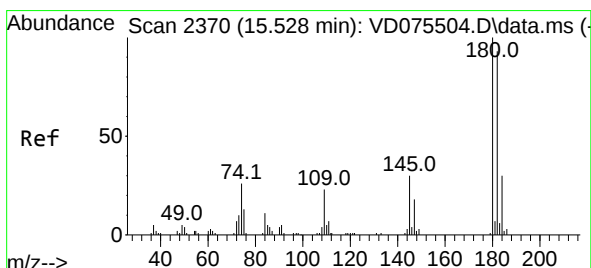
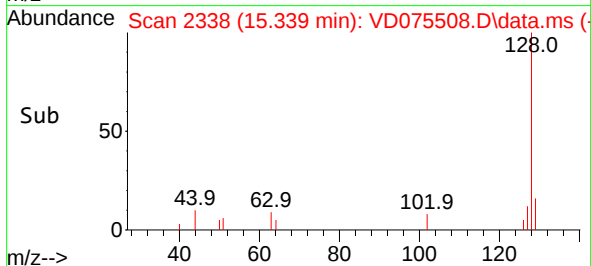
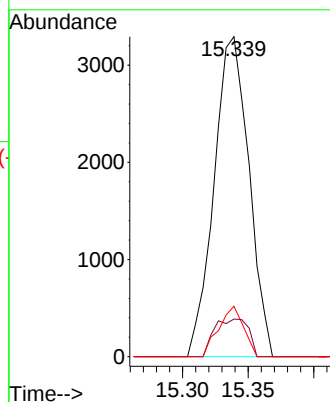
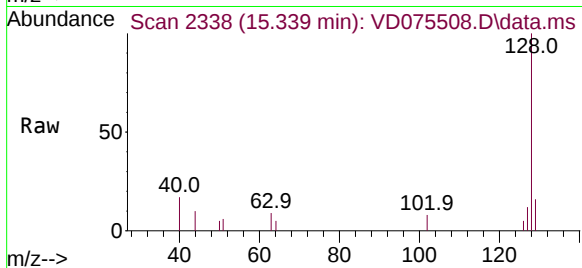
Tgt Ion:128 Resp: 6084

Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 11.2 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 2.593 ug/l

RT: 15.527 min Scan# 2370

Delta R.T. -0.000 min

Lab File: VD075508.D

Acq: 13 Mar 2023 14:40

Tgt Ion:180 Resp: 3081

Ion Ratio Lower Upper

180 100

182 99.8 47.7 143.1

145 26.3 16.4 49.4

