

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074585.D
 Acq On : 19 Oct 2022 18:07
 Operator : VA/SY
 Sample : N4955-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Oct 20 06:47:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	91915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	128176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28135	40.092	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.180%		
35) Dibromofluoromethane	7.804	113	39104	49.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.460%		
50) Toluene-d8	10.269	98	130035	45.329	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.660%		
62) 4-Bromofluorobenzene	12.575	95	39147	47.332	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3562	4.993	ug/l	97
3) Chloromethane	2.146	50	5386	5.577	ug/l #	82
4) Vinyl Chloride	2.281	62	4819	4.512	ug/l	94
5) Bromomethane	2.693	94	4012	4.960	ug/l	92
6) Chloroethane	2.834	64	3196	4.352	ug/l	95
7) Trichlorofluoromethane	3.175	101	6448	4.259	ug/l	97
8) Diethyl Ether	3.593	74	1824	4.160	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.975	101	4346	4.452	ug/l	96
10) Methyl Iodide	4.169	142	4020	6.853	ug/l #	93
11) Tert butyl alcohol	5.022	59	7733	33.864	ug/l #	84
12) 1,1-Dichloroethene	3.934	96	4584	4.694	ug/l	91
13) Acrolein	3.805	56	1440	19.159	ug/l	99
14) Allyl chloride	4.552	41	4621	4.382	ug/l	98
15) Acrylonitrile	5.257	53	3651	20.376	ug/l #	88
16) Acetone	4.022	43	3329	21.724	ug/l #	75
17) Carbon Disulfide	4.275	76	12755	4.773	ug/l	96
18) Methyl Acetate	4.552	43	2688	3.749	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	8309	4.354	ug/l	94
20) Methylene Chloride	4.805	84	18025	6.535	ug/l	92
21) trans-1,2-Dichloroethene	5.322	96	5116	4.700	ug/l #	72
22) Diisopropyl ether	6.216	45	8300	3.900	ug/l #	88
23) Vinyl Acetate	6.152	43	11121	11.951	ug/l #	83
24) 1,1-Dichloroethane	6.116	63	7493	4.537	ug/l	96
25) 2-Butanone	7.081	43	4785	23.351	ug/l	99
26) 2,2-Dichloropropane	7.075	77	7192	4.556	ug/l	85
27) cis-1,2-Dichloroethene	7.081	96	5175	4.286	ug/l	92
28) Bromochloromethane	7.428	49	1747	6.938	ug/l #	95
29) Tetrahydrofuran	7.451	42	2182	19.523	ug/l	95
30) Chloroform	7.599	83	8086	4.550	ug/l	97
31) Cyclohexane	7.881	56	7672	5.442	ug/l #	87
32) 1,1,1-Trichloroethane	7.793	97	7125	4.372	ug/l	94
36) 1,1-Dichloropropene	8.004	75	5407	4.199	ug/l	100
37) Ethyl Acetate	7.169	43	1684	4.145	ug/l #	66
38) Carbon Tetrachloride	7.999	117	4679	3.711	ug/l	96
39) Methylcyclohexane	9.275	83	6658	4.328	ug/l	99
40) Benzene	8.251	78	16714	4.374	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	1007	4.601	ug/l #	30
42) 1,2-Dichloroethane	8.334	62	3813	4.324	ug/l	87
43) Isopropyl Acetate	8.363	43	3071	4.068	ug/l #	49
44) Trichloroethene	9.034	130	4920	4.395	ug/l	87
45) 1,2-Dichloropropane	9.304	63	3587	4.277	ug/l #	87
46) Dibromomethane	9.398	93	1951	4.032	ug/l	96
47) Bromodichloromethane	9.587	83	5085	4.247	ug/l #	87
48) Methyl methacrylate	9.375	41	1305	3.782	ug/l	96
49) 1,4-Dioxane	9.387	88	63	13.228	ug/l #	32
51) 4-Methyl-2-Pentanone	10.163	43	6770	18.029	ug/l	99
52) Toluene	10.328	92	10428	4.425	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	4456	4.233	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	5009	3.774	ug/l	93
55) 1,1,2-Trichloroethane	10.734	97	2992	4.500	ug/l	94
56) Ethyl methacrylate	10.598	69	2995	4.121	ug/l	96
57) 1,3-Dichloropropane	10.881	76	4604	4.269	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.863	63	1940	46.859	ug/l	97
59) 2-Hexanone	10.922	43	4917	19.184	ug/l	97
60) Dibromochloromethane	11.075	129	3220	4.018	ug/l	98
61) 1,2-Dibromoethane	11.181	107	2603	4.289	ug/l	99
64) Tetrachloroethene	10.810	164	4591	4.846	ug/l	92
65) Chlorobenzene	11.610	112	11908	4.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	3614	3.896	ug/l	89
67) Ethyl Benzene	11.687	91	19321	4.110	ug/l	96
68) m/p-Xylenes	11.792	106	15215	8.139	ug/l	98
69) o-Xylene	12.116	106	6810	3.914	ug/l	96
70) Styrene	12.134	104	11105	3.790	ug/l	96
71) Bromoform	12.298	173	2002	4.111	ug/l #	98
73) Isopropylbenzene	12.422	105	18270	3.899	ug/l	99
74) N-amyl acetate	12.234	43	2556	3.690	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	2933	3.954	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	3571	6.806	ug/l #	1
77) Bromobenzene	12.698	156	4640	4.387	ug/l	96
78) n-propylbenzene	12.763	91	22611	4.083	ug/l	99
79) 2-Chlorotoluene	12.851	91	12553	4.184	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	15795	4.152	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	694	3.380	ug/l #	75
82) 4-Chlorotoluene	12.945	91	13053	4.235	ug/l	97
83) tert-Butylbenzene	13.163	119	13215	3.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	14665	3.918	ug/l	95
85) sec-Butylbenzene	13.339	105	19976	3.923	ug/l	99
86) p-Isopropyltoluene	13.457	119	16400	3.844	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	9427	4.289	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	9339	4.341	ug/l	94
89) n-Butylbenzene	13.786	91	15694	4.038	ug/l	99
90) Hexachloroethane	14.051	117	2908	3.916	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	7725	4.214	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.433	75	354	3.450	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	4908	4.058	ug/l	94
94) Hexachlorobutadiene	15.198	225	2936	4.413	ug/l	86
95) Naphthalene	15.328	128	8519	3.742	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	4192	4.043	ug/l	97

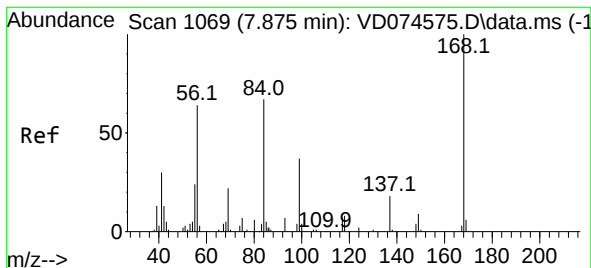
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

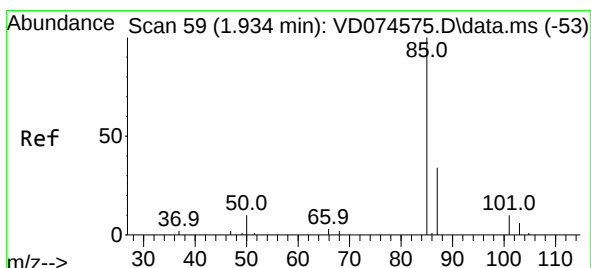
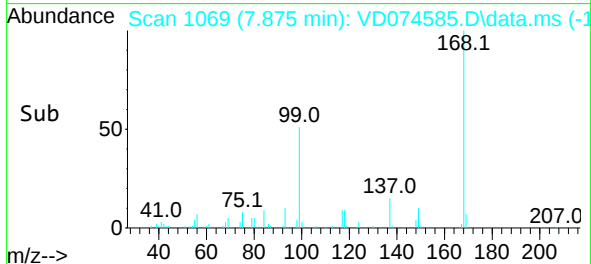
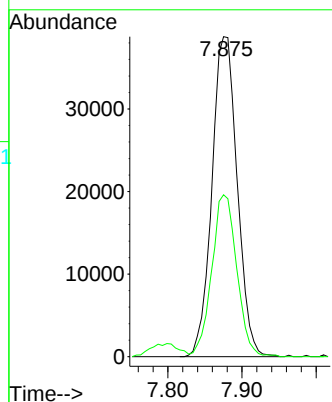
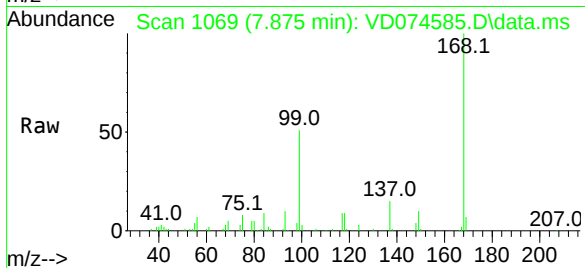
MDL-SOIL-03-QT4-2022

Tgt Ion:168 Resp: 91915

Ion Ratio Lower Upper

168 100

99 50.6 40.9 61.3



#2

Dichlorodifluoromethane

Concen: 4.993 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.006 min

Lab File: VD074585.D

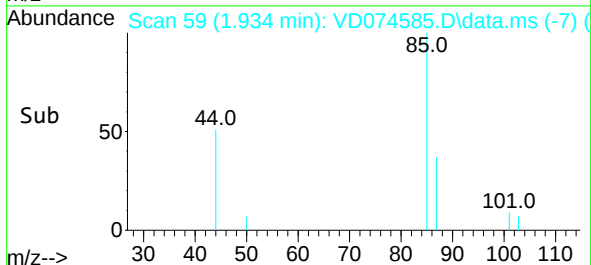
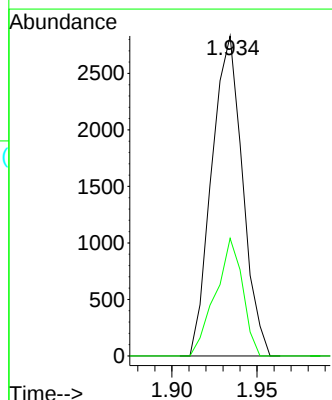
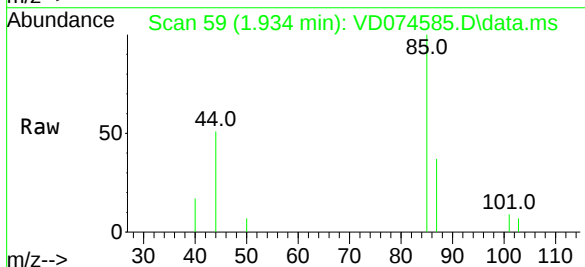
Acq: 19 Oct 2022 18:07

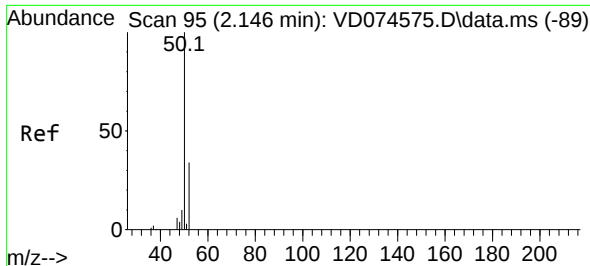
Tgt Ion: 85 Resp: 3562

Ion Ratio Lower Upper

85 100

87 36.7 17.5 52.6

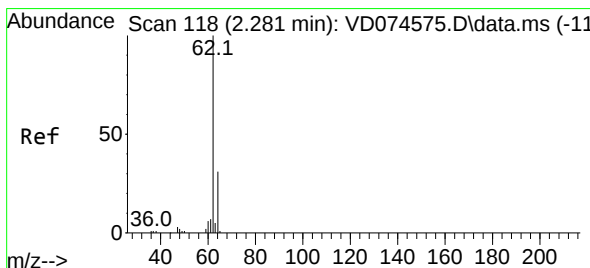
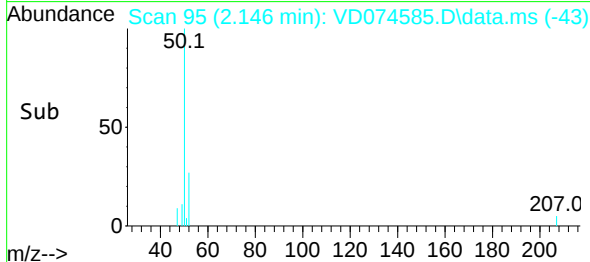
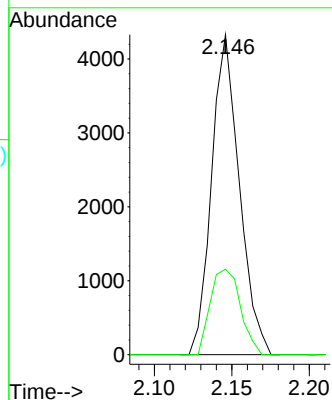
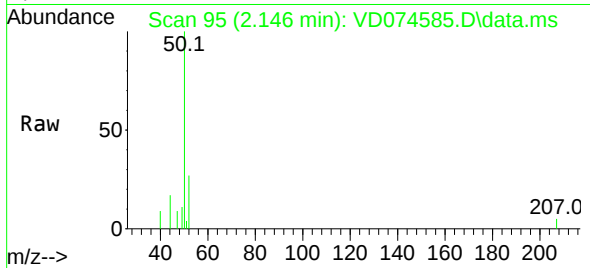




#3
Chloromethane
Concen: 5.577 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

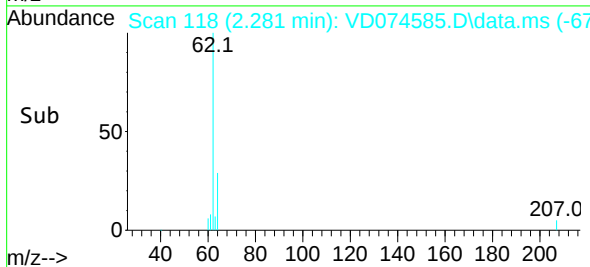
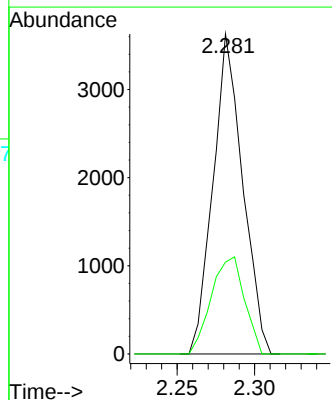
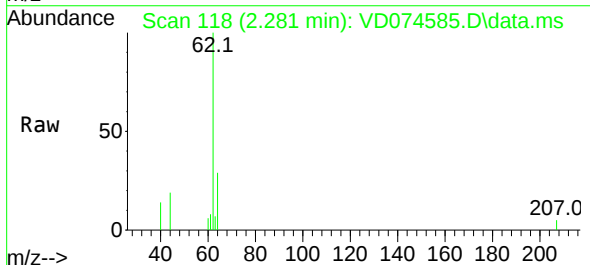
Instrument :
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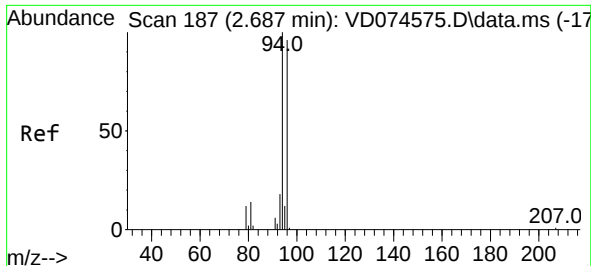
Tgt Ion: 50 Resp: 5386
Ion Ratio Lower Upper
50 100
52 26.7 30.0 45.0#



#4
Vinyl Chloride
Concen: 4.512 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 62 Resp: 4819
Ion Ratio Lower Upper
62 100
64 28.7 25.5 38.3

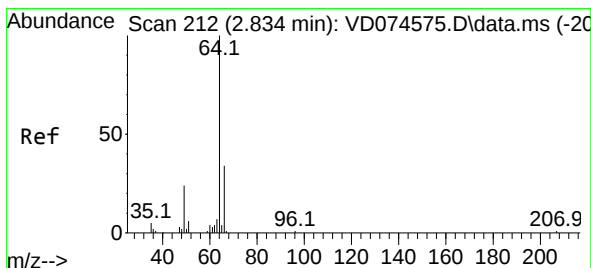
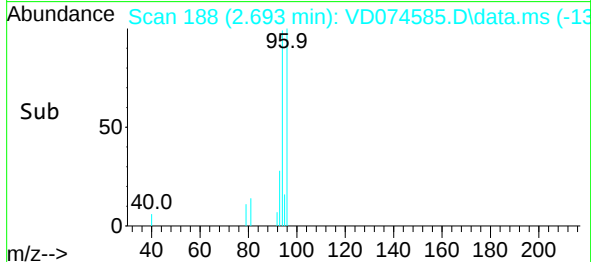
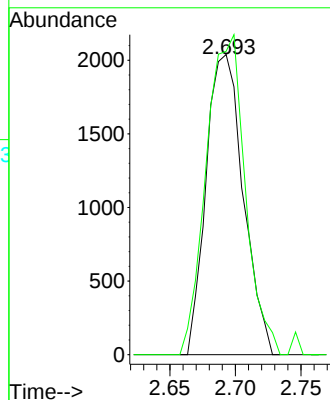
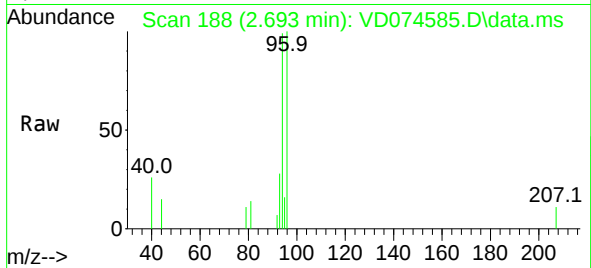




#5
Bromomethane
Concen: 4.960 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

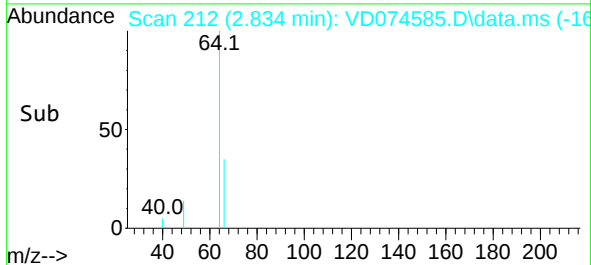
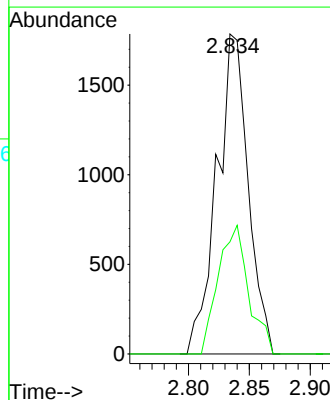
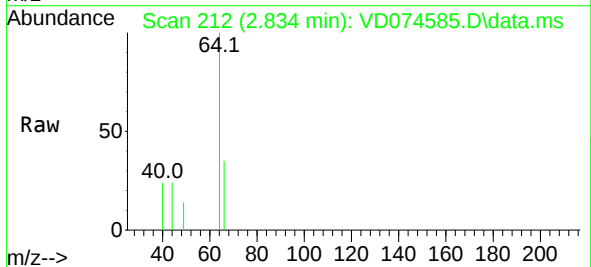
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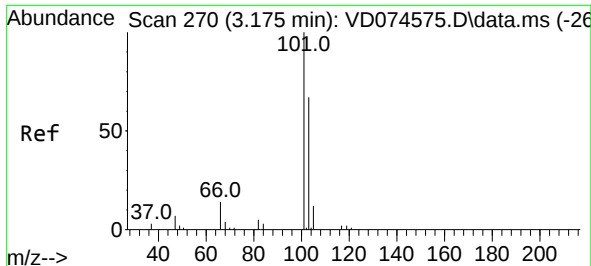
Tgt Ion: 94 Resp: 4012
Ion Ratio Lower Upper
94 100
96 101.1 74.6 112.0



#6
Chloroethane
Concen: 4.352 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 64 Resp: 3196
Ion Ratio Lower Upper
64 100
66 35.1 25.8 38.8

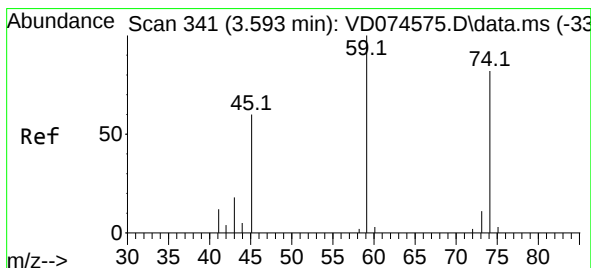
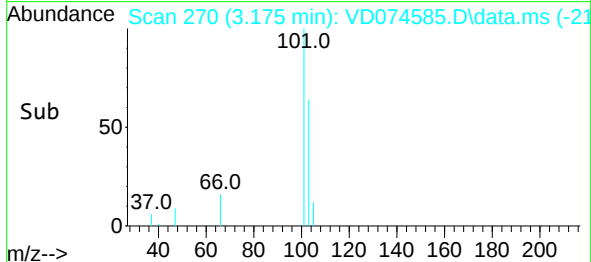
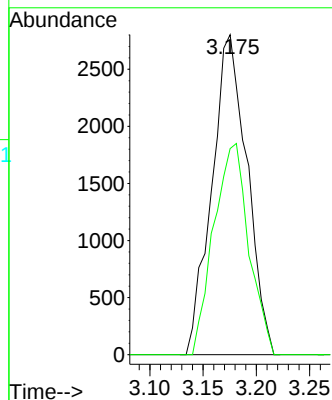
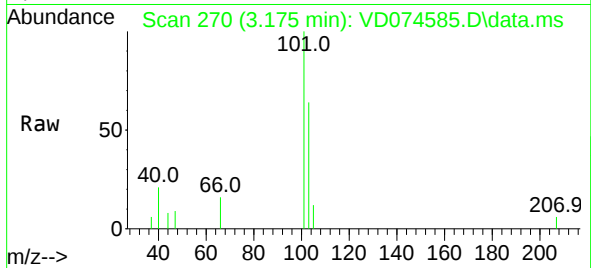




#7
Trichlorofluoromethane
Concen: 4.259 ug/l
RT: 3.175 min Scan# 210
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

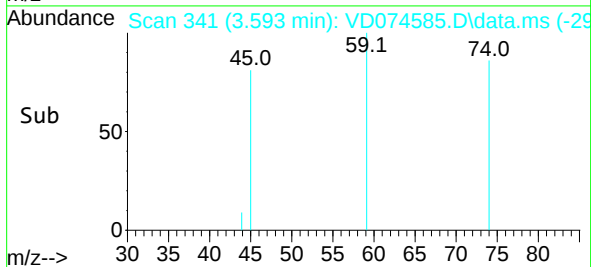
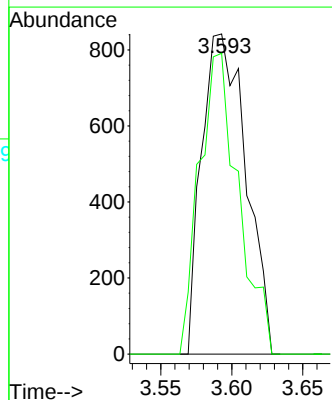
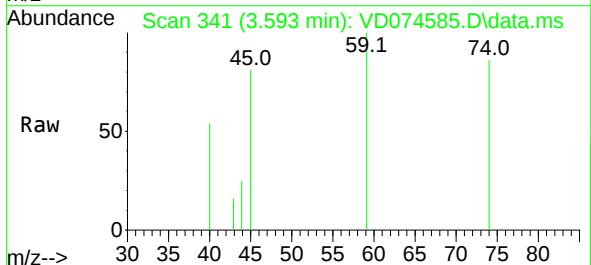
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

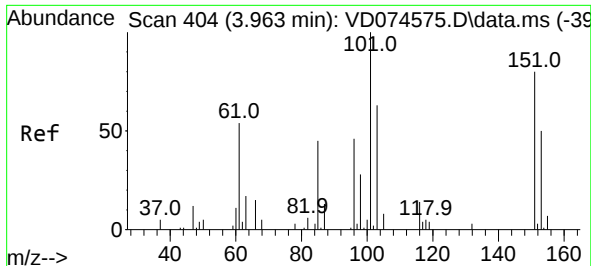
Tgt Ion:101 Resp: 6448
Ion Ratio Lower Upper
101 100
103 64.4 49.8 74.8



#8
Diethyl Ether
Concen: 4.160 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 74 Resp: 1824
Ion Ratio Lower Upper
74 100
45 83.0 37.9 113.6

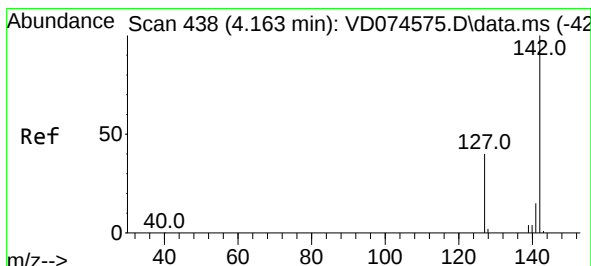
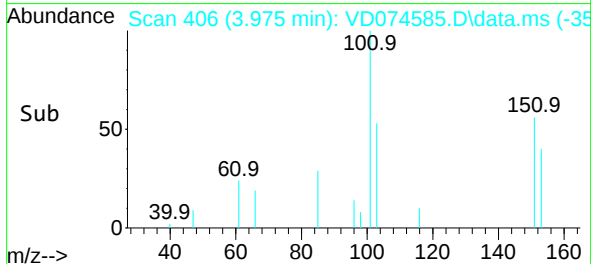
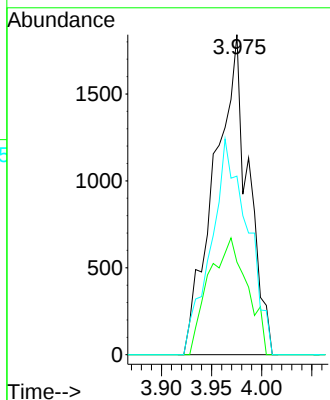
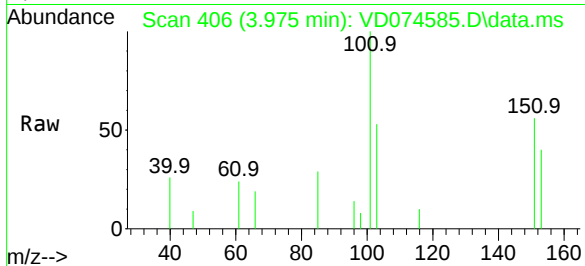




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.452 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

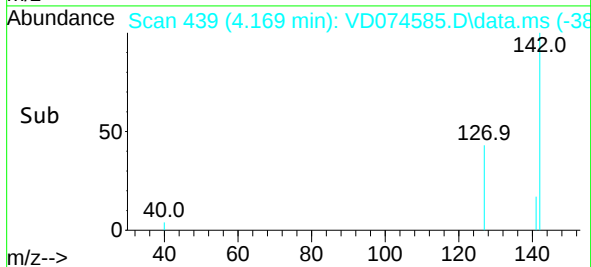
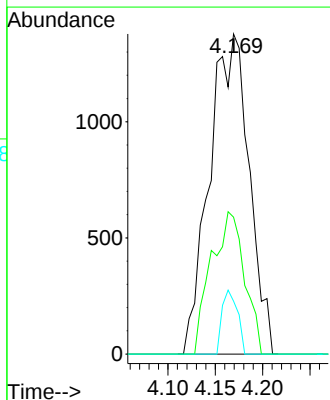
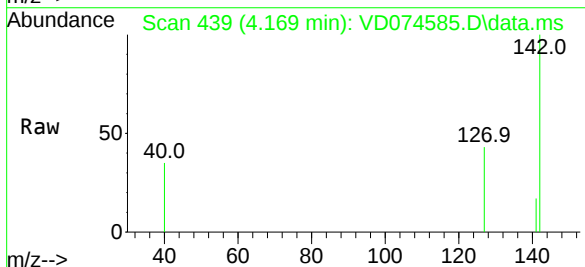
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

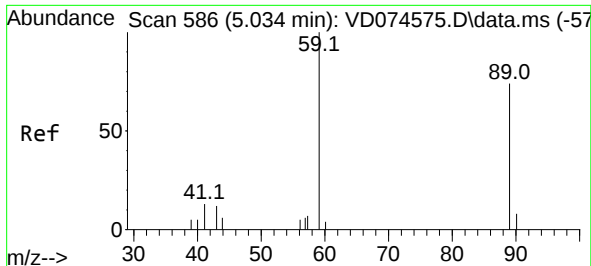
Tgt Ion:101 Resp: 4346
Ion Ratio Lower Upper
101 100
85 41.3 34.1 51.1
151 72.6 61.7 92.5



#10
Methyl Iodide
Concen: 6.853 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:142 Resp: 4020
Ion Ratio Lower Upper
142 100
127 37.3 31.9 47.9
141 7.7 11.4 17.2#

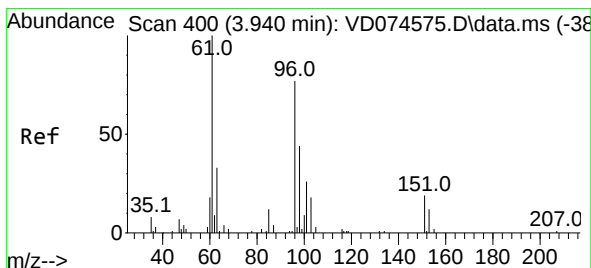
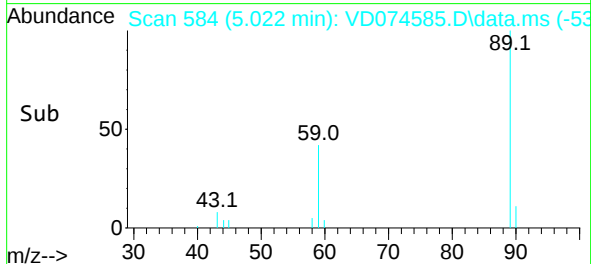
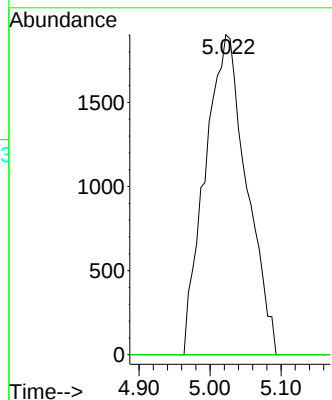
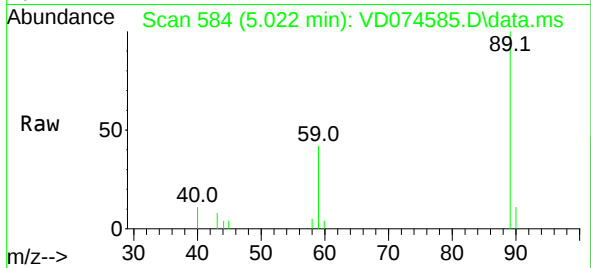




#11
Tert butyl alcohol
Concen: 33.864 ug/l
RT: 5.022 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

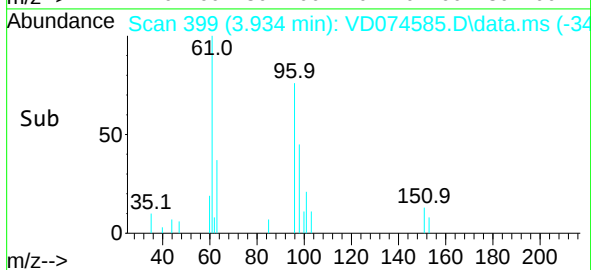
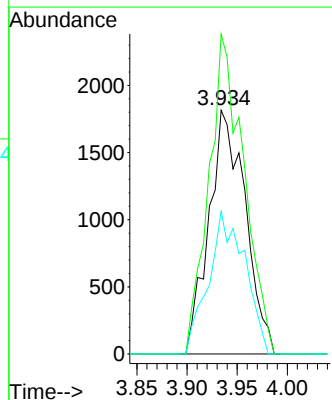
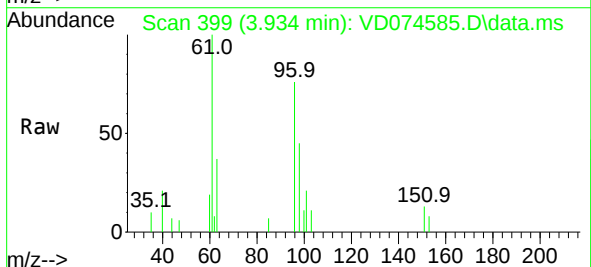
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

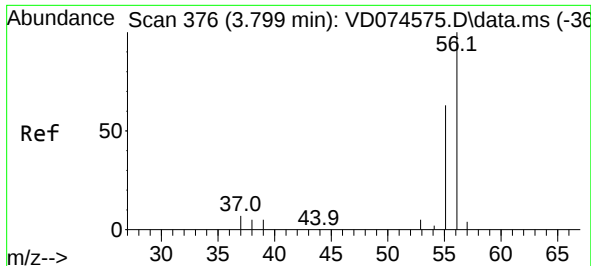
Tgt Ion: 59 Resp: 7733
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#12
1,1-Dichloroethene
Concen: 4.694 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 96 Resp: 4584
Ion Ratio Lower Upper
96 100
61 131.3 113.9 170.9
98 58.5 51.8 77.8





#13

Acrolein

Concen: 19.159 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

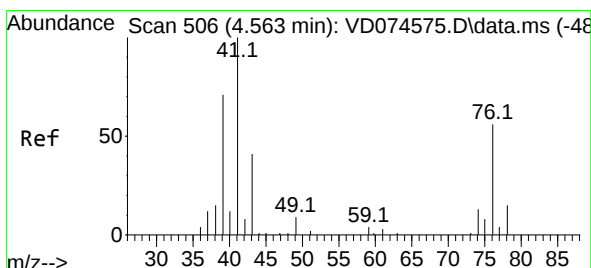
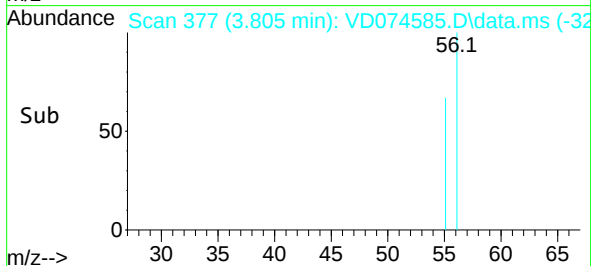
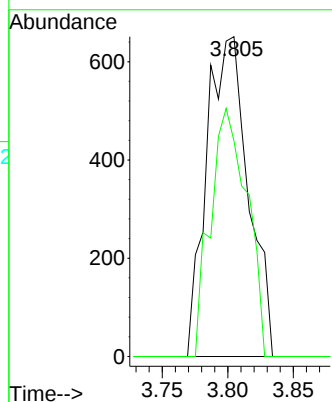
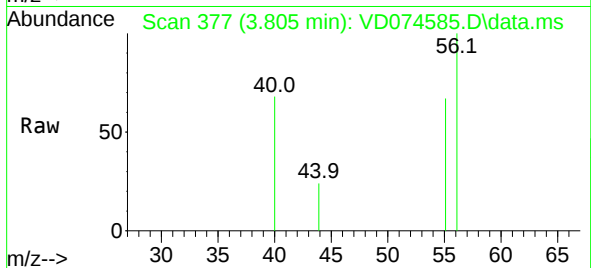
MDL-SOIL-03-QT4-2022

Tgt Ion: 56 Resp: 1440

Ion Ratio Lower Upper

56 100

55 68.0 54.0 81.0



#14

Allyl chloride

Concen: 4.382 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

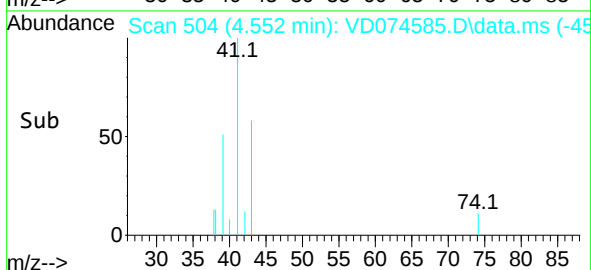
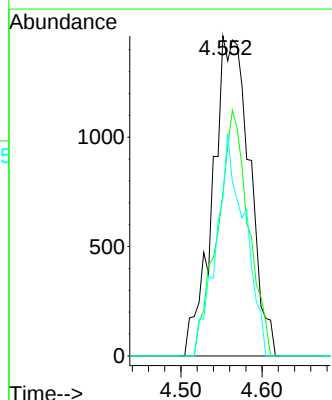
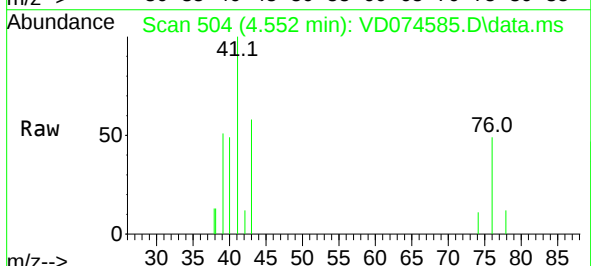
Tgt Ion: 41 Resp: 4621

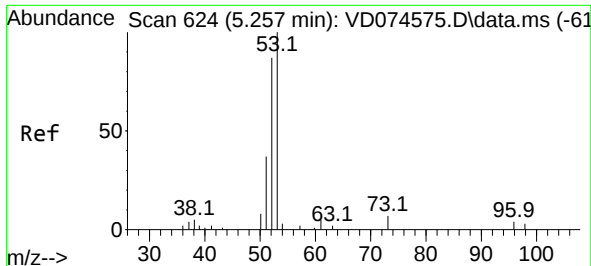
Ion Ratio Lower Upper

41 100

39 64.4 53.4 80.2

76 54.0 42.4 63.6

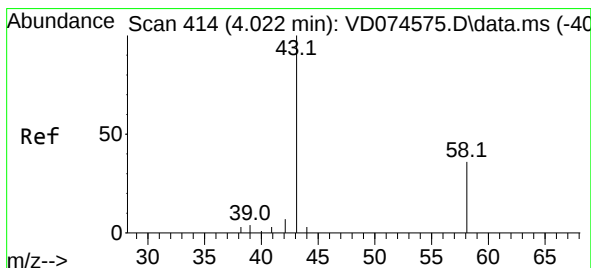
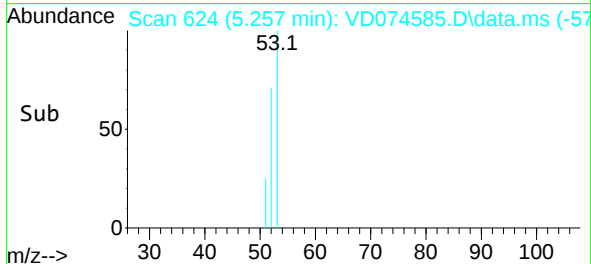
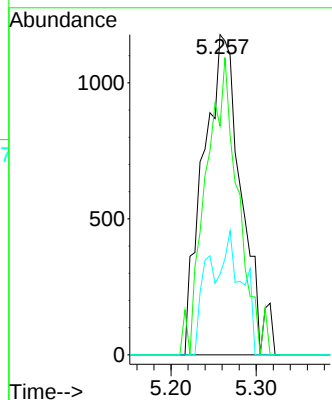
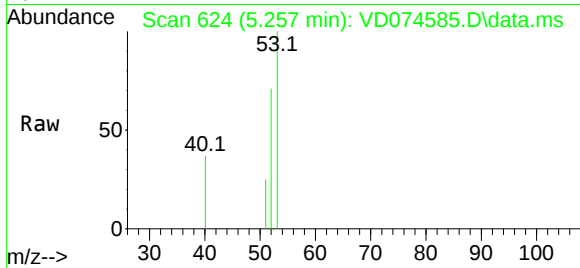




#15
Acrylonitrile
Concen: 20.376 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.005 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

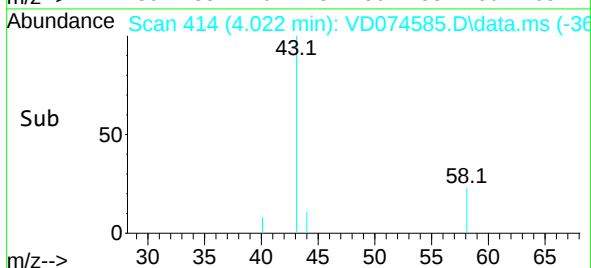
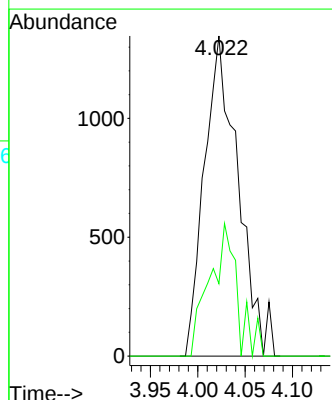
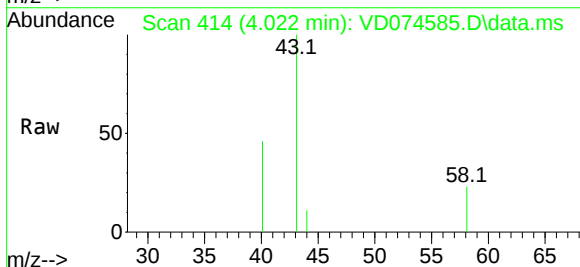
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

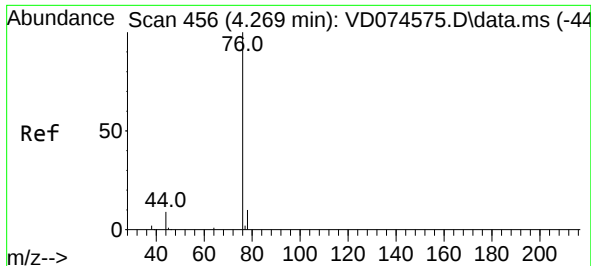
Tgt Ion: 53 Resp: 3651
Ion Ratio Lower Upper
53 100
52 78.8 66.0 99.0
51 18.5 28.3 42.5#



#16
Acetone
Concen: 21.724 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 43 Resp: 3329
Ion Ratio Lower Upper
43 100
58 22.6 30.2 45.2#

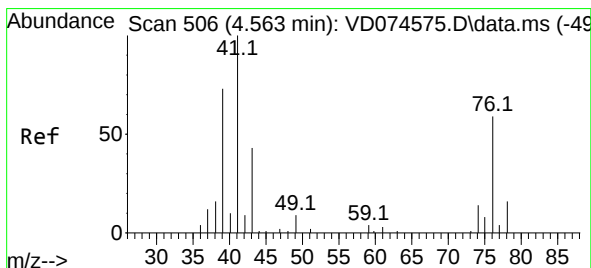
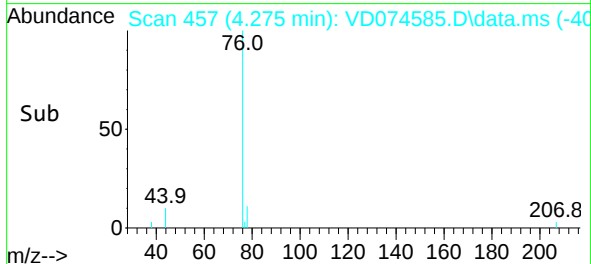
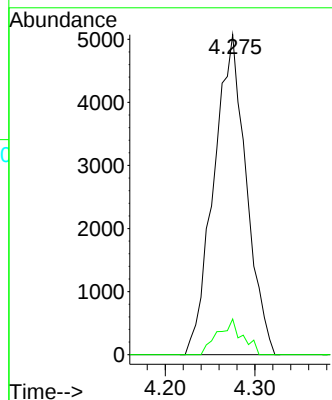
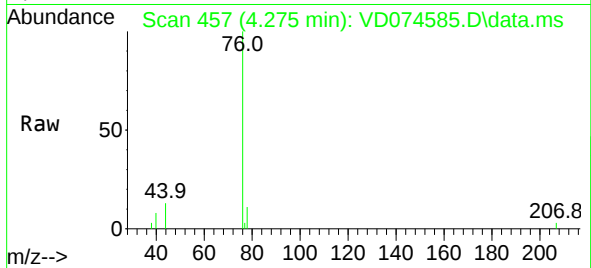




#17
Carbon Disulfide
Concen: 4.773 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

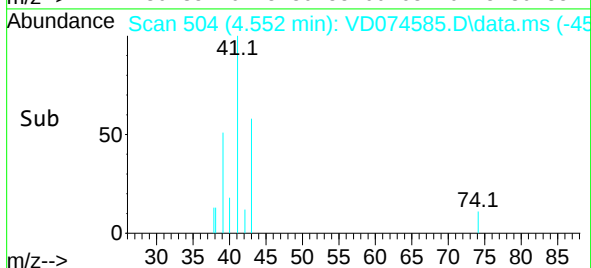
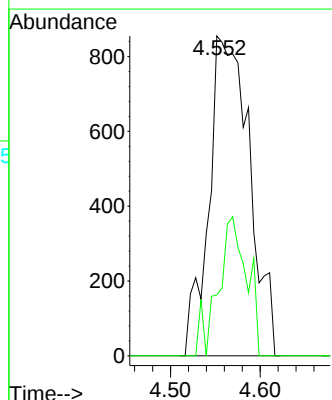
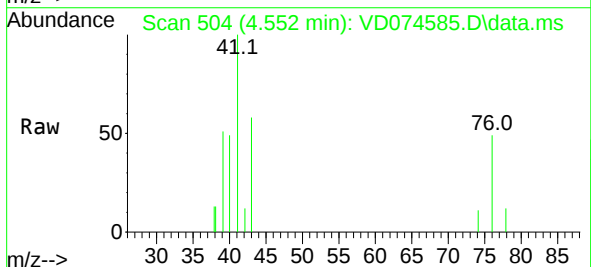
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

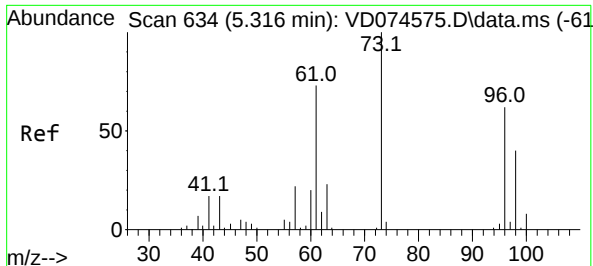
Tgt Ion: 76 Resp: 12755
Ion Ratio Lower Upper
76 100
78 11.1 7.8 11.8



#18
Methyl Acetate
Concen: 3.749 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 43 Resp: 2688
Ion Ratio Lower Upper
43 100
74 30.8 24.7 37.1

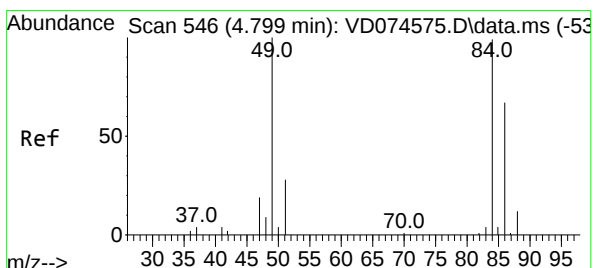
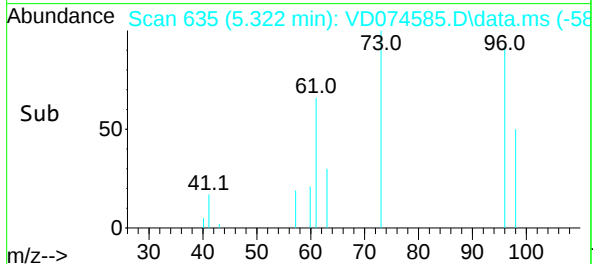
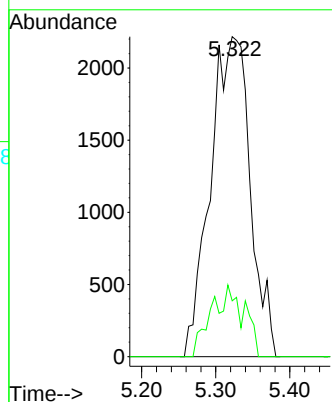
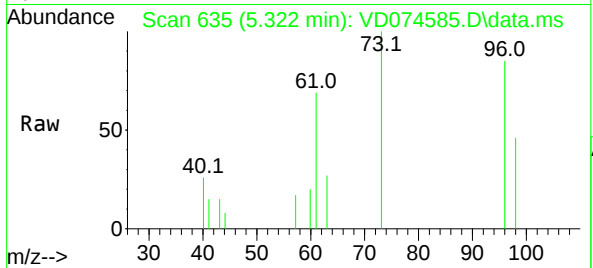




#19
Methyl tert-butyl Ether
Concen: 4.354 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

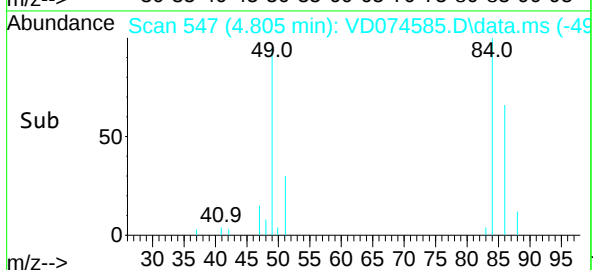
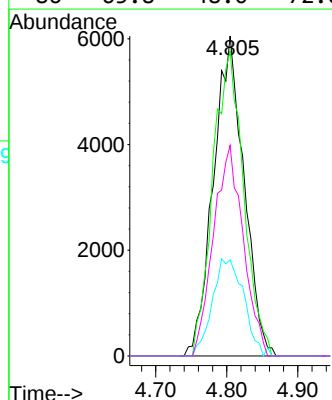
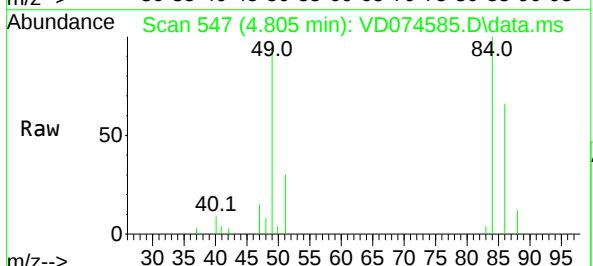
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

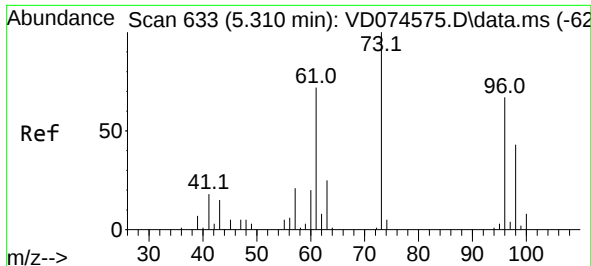
Tgt Ion: 73 Resp: 8309
Ion Ratio Lower Upper
73 100
57 17.5 16.1 24.1



#20
Methylene Chloride
Concen: 6.535 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 84 Resp: 18025
Ion Ratio Lower Upper
84 100
49 95.3 68.0 102.0
51 30.1 23.2 34.8
86 65.8 48.0 72.0

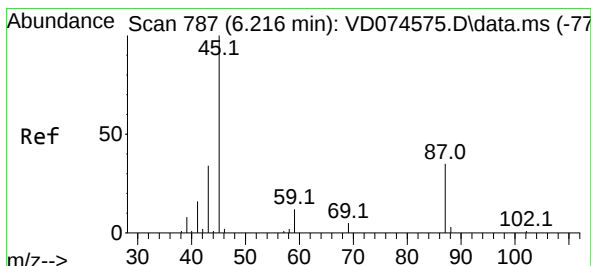
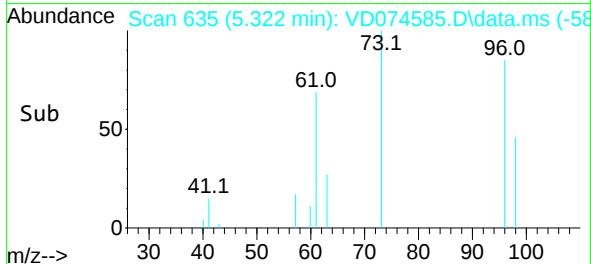
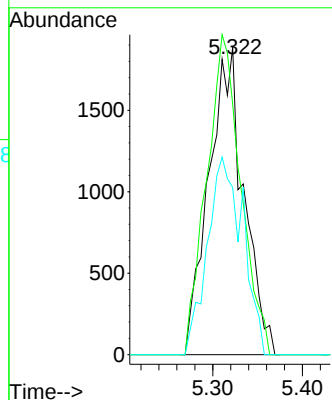
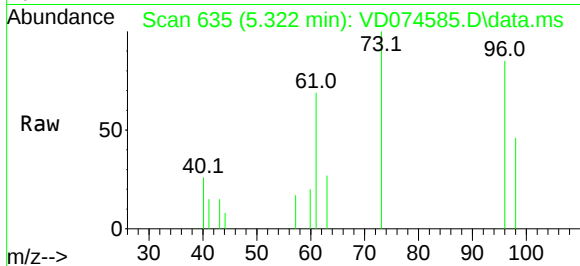




#21
trans-1,2-Dichloroethene
Concen: 4.700 ug/l
RT: 5.322 min Scan# 611
Delta R.T. 0.012 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

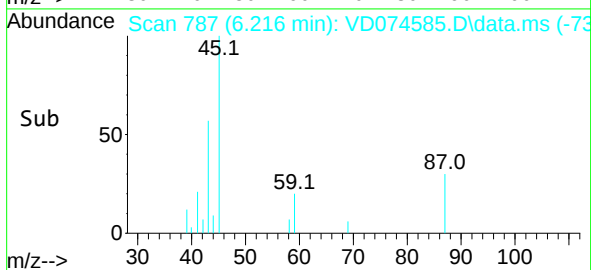
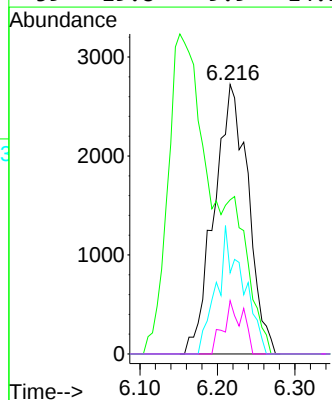
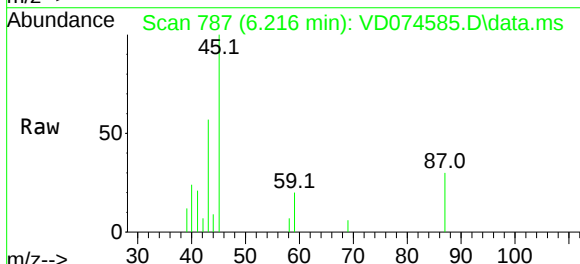
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

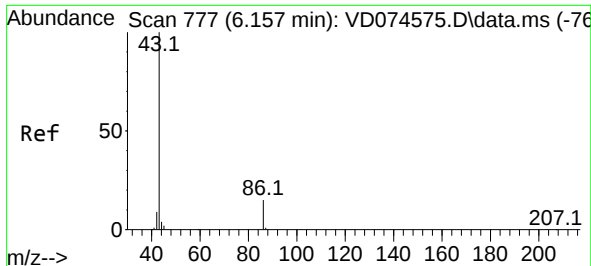
Tgt Ion: 96 Resp: 5116
Ion Ratio Lower Upper
96 100
61 81.6 95.7 143.5#
98 54.4 54.8 82.2#



#22
Diisopropyl ether
Concen: 3.900 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 45 Resp: 8300
Ion Ratio Lower Upper
45 100
43 57.1 37.8 56.6#
87 30.1 26.6 40.0
59 19.8 9.9 14.9#

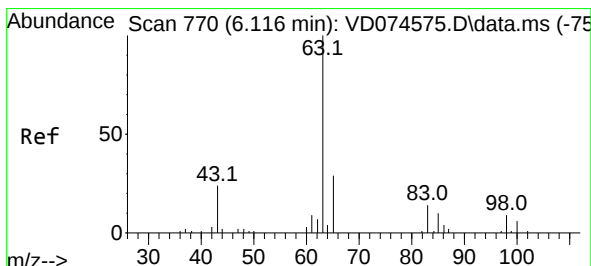
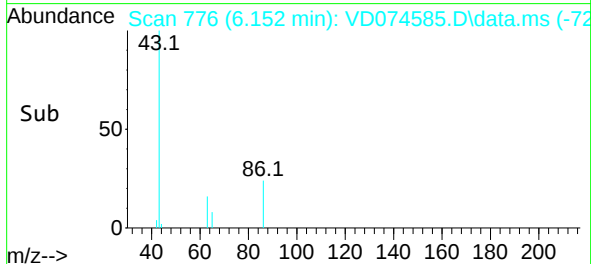
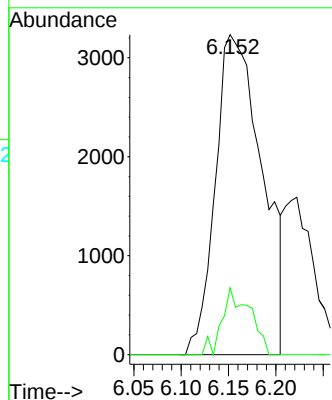
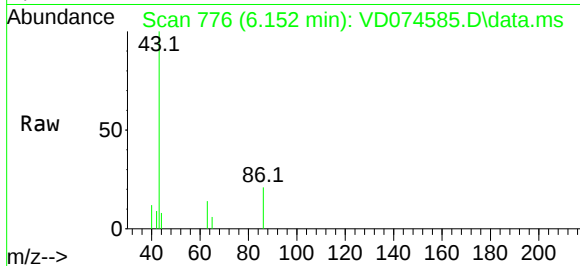




#23
 Vinyl Acetate
 Concen: 11.951 ug/l
 RT: 6.152 min Scan# 711
 Delta R.T. -0.005 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

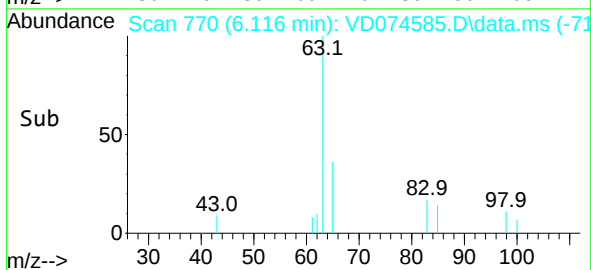
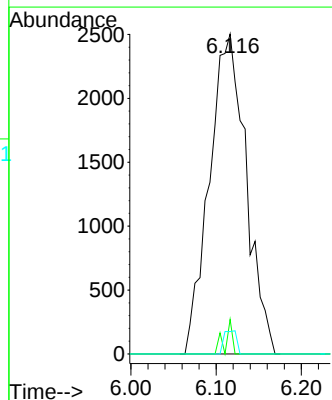
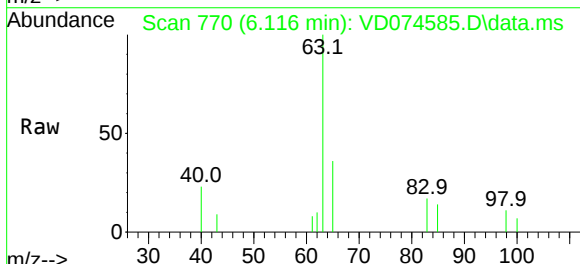
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

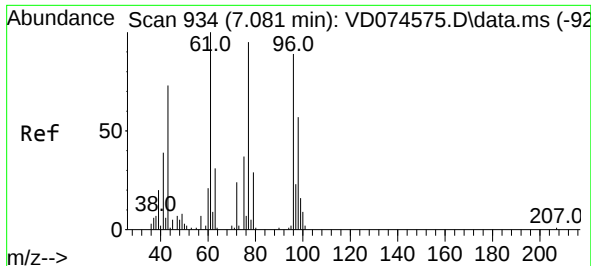
Tgt Ion: 43 Resp: 11121
 Ion Ratio Lower Upper
 43 100
 86 20.9 11.2 16.8#



#24
 1,1-Dichloroethane
 Concen: 4.537 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.011 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

Tgt Ion: 63 Resp: 7493
 Ion Ratio Lower Upper
 63 100
 98 10.8 4.6 13.8
 100 7.0 2.9 8.6

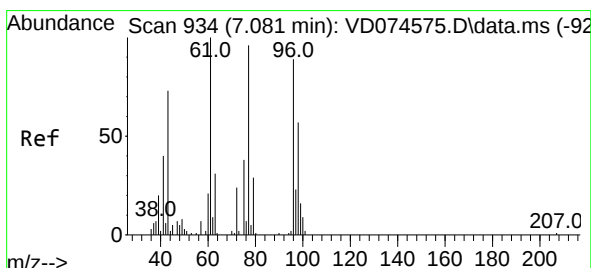
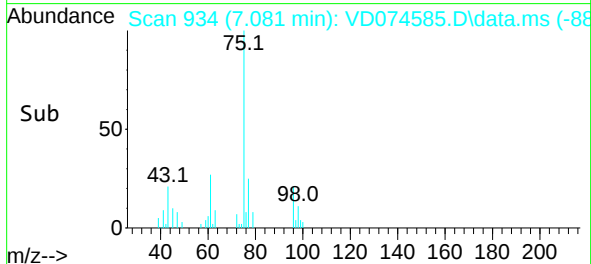
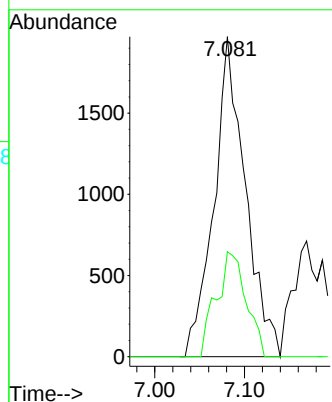
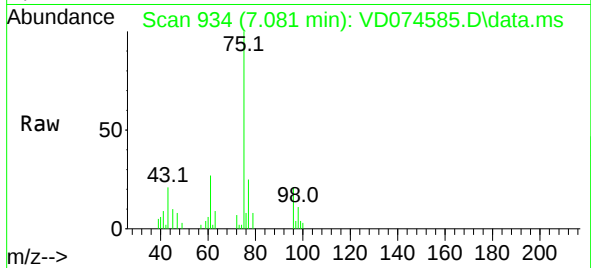




#25
2-Butanone
Concen: 23.351 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

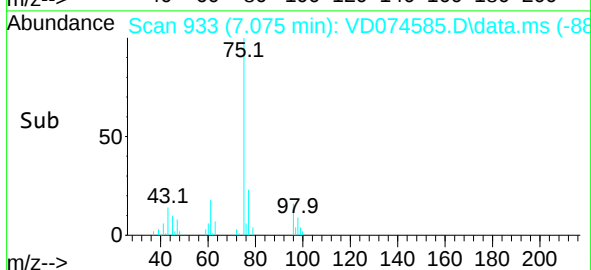
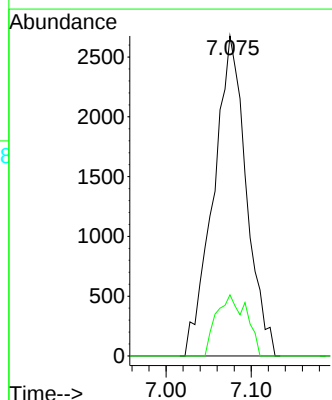
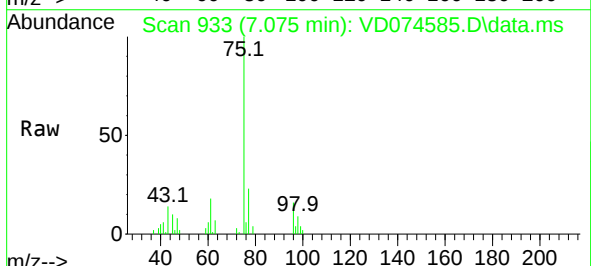
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

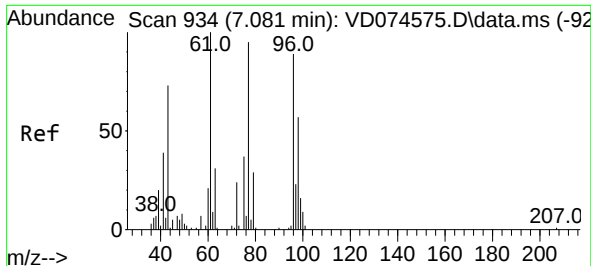
Tgt Ion: 43 Resp: 4785
Ion Ratio Lower Upper
43 100
72 32.8 25.8 38.8



#26
2,2-Dichloropropane
Concen: 4.556 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 77 Resp: 7192
Ion Ratio Lower Upper
77 100
97 17.4 12.5 37.5

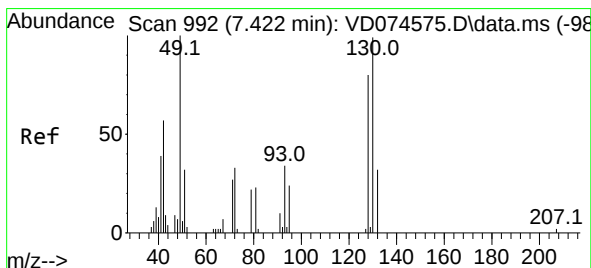
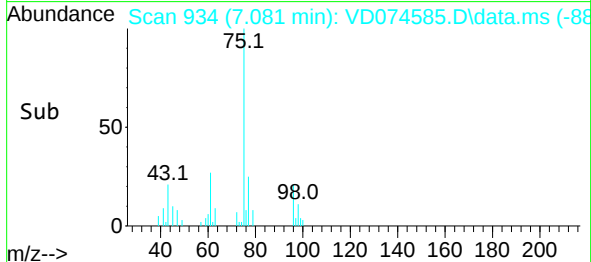
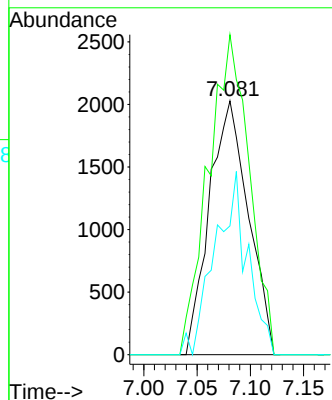
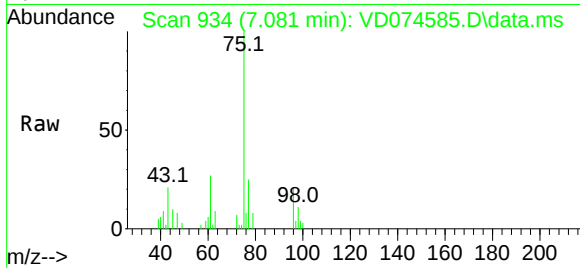




#27
 cis-1,2-Dichloroethene
 Concen: 4.286 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

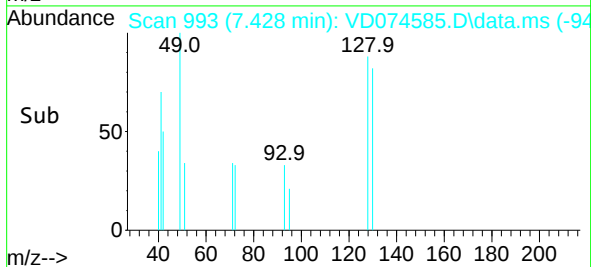
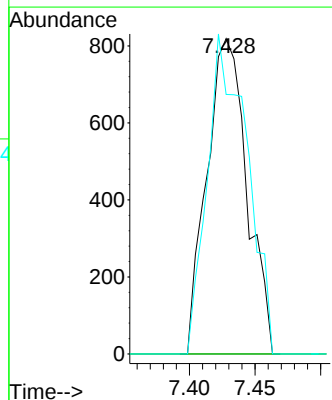
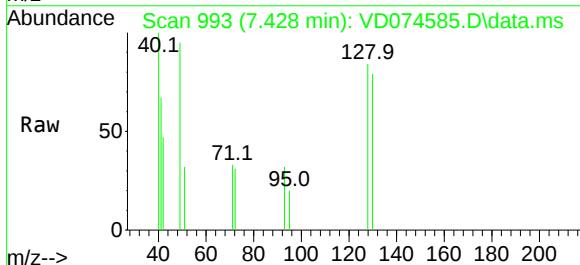
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

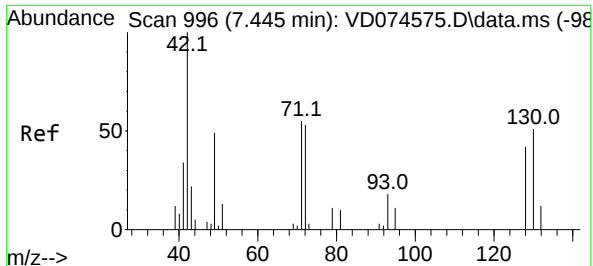
Tgt Ion:	96	Resp:	5175
Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	242.4
98	59.9	0.0	130.0



#28
 Bromochloromethane
 Concen: 6.938 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. -0.000 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

Tgt Ion:	49	Resp:	1747
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	100.1	84.1	126.1





#29

Tetrahydrofuran

Concen: 19.523 ug/l

RT: 7.451 min Scan# 997

Delta R.T. 0.005 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

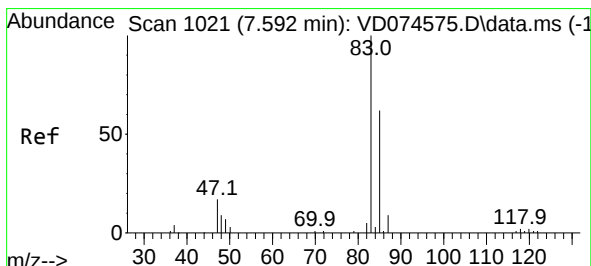
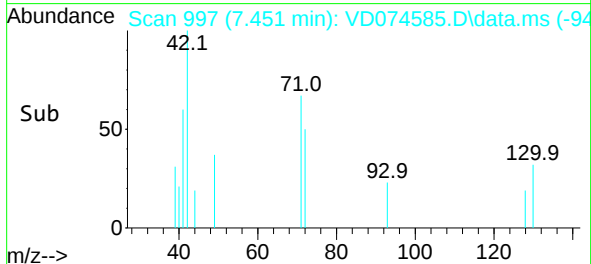
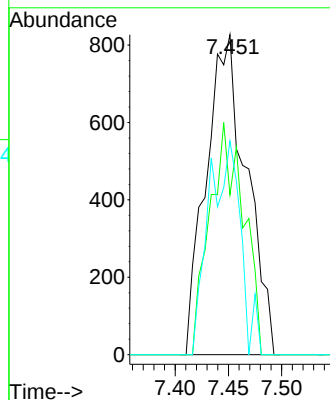
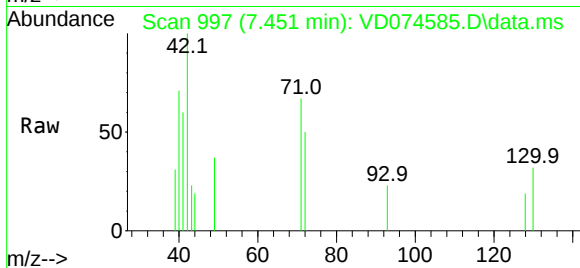
Tgt Ion: 42 Resp: 2182

Ion Ratio Lower Upper

42 100

72 60.6 45.8 68.6

71 52.2 44.6 66.8



#30

Chloroform

Concen: 4.550 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD074585.D

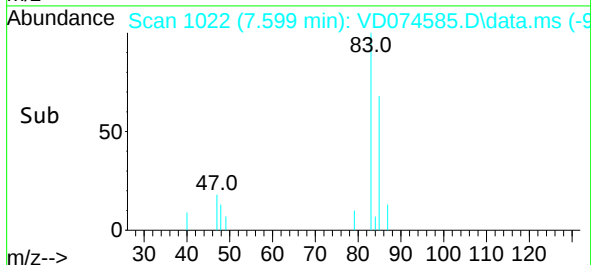
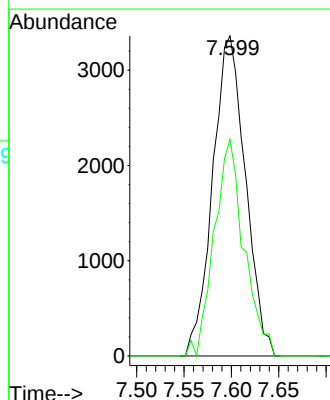
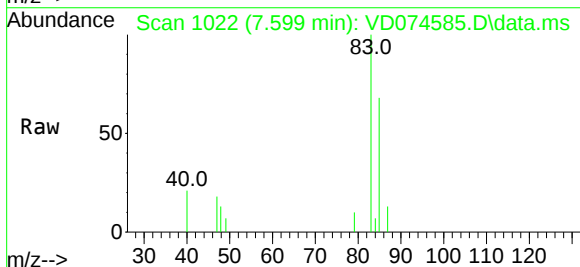
Acq: 19 Oct 2022 18:07

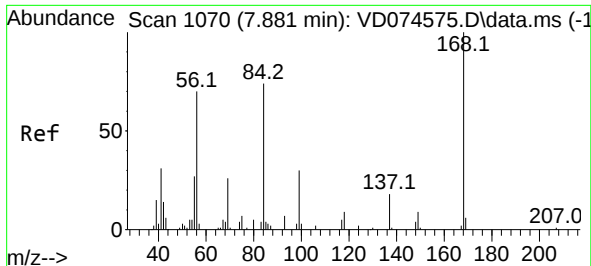
Tgt Ion: 83 Resp: 8086

Ion Ratio Lower Upper

83 100

85 67.6 52.0 78.0

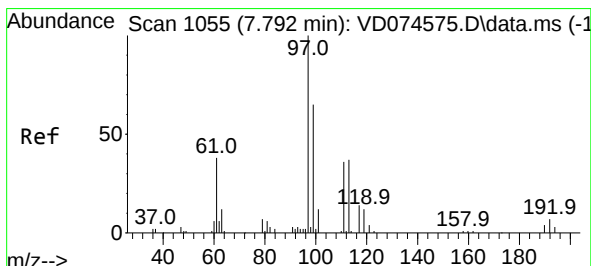
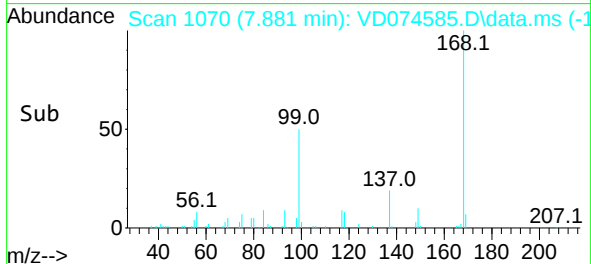
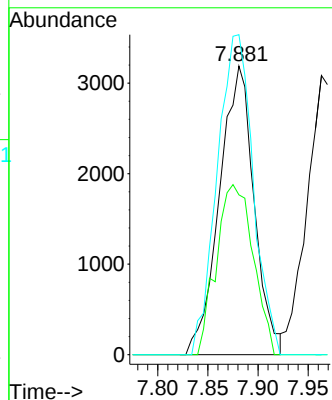
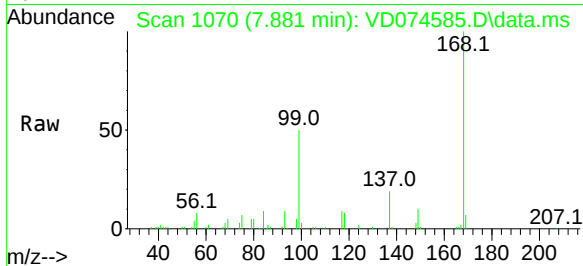




#31
Cyclohexane
Concen: 5.442 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

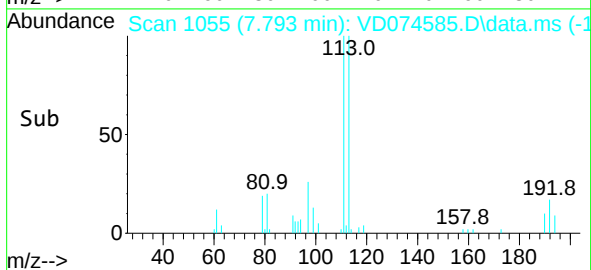
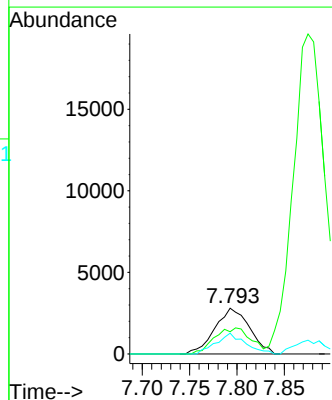
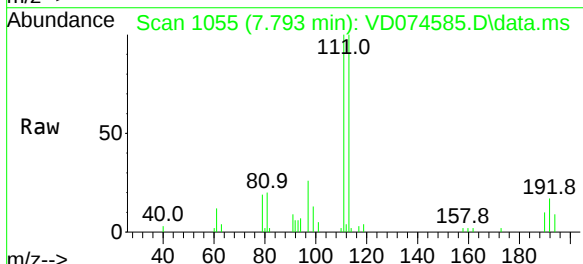
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

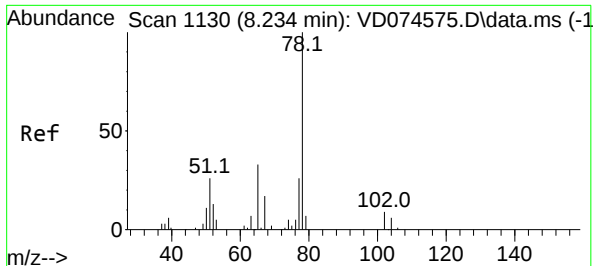
Tgt Ion: 56 Resp: 7672
Ion Ratio Lower Upper
56 100
69 55.4 29.2 43.8#
84 110.9 83.4 125.2



#32
1,1,1-Trichloroethane
Concen: 4.372 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 97 Resp: 7125
Ion Ratio Lower Upper
97 100
99 59.8 53.3 79.9
61 38.3 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 40.092 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

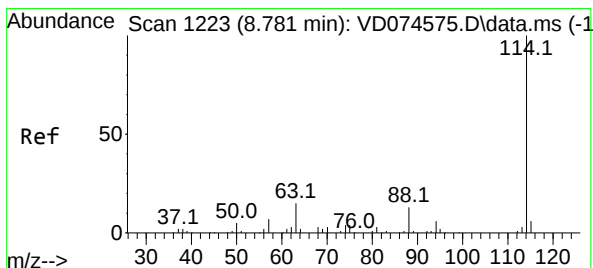
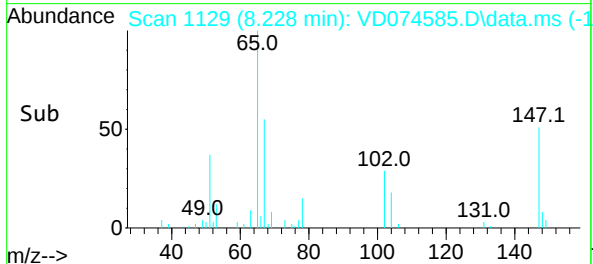
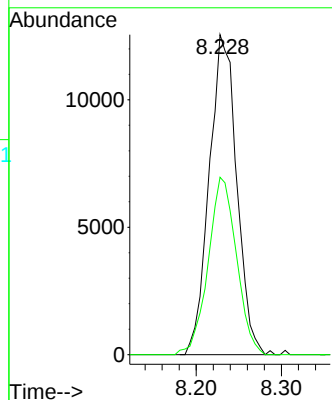
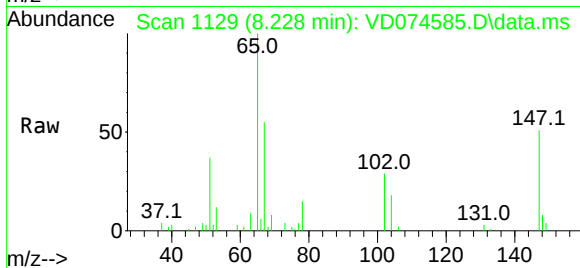
MDL-SOIL-03-QT4-2022

Tgt Ion: 65 Resp: 28135

Ion Ratio Lower Upper

65 100

67 57.0 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

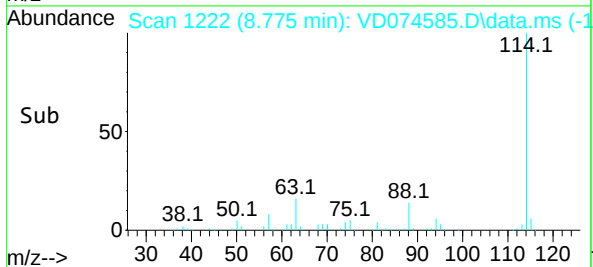
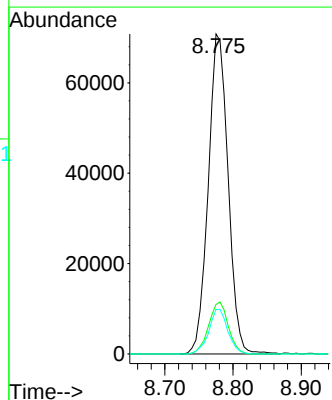
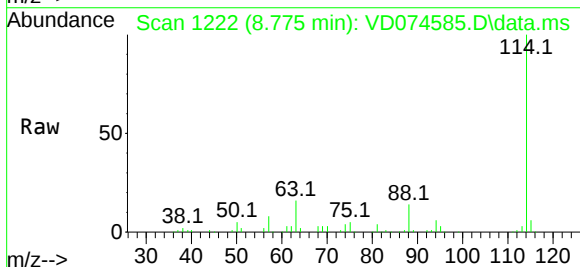
Tgt Ion: 114 Resp: 143325

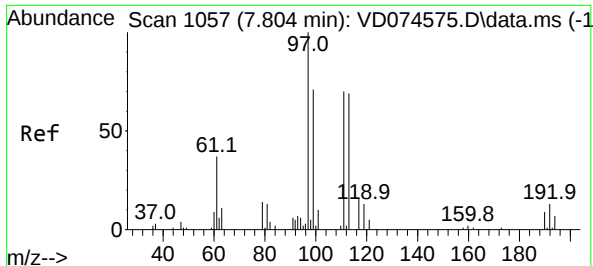
Ion Ratio Lower Upper

114 100

63 15.5 0.0 33.2

88 13.9 0.0 28.2

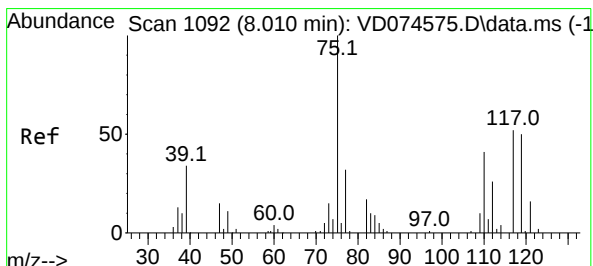
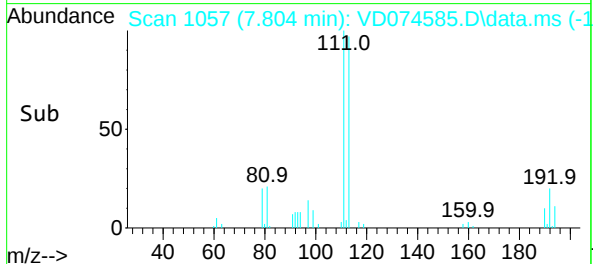
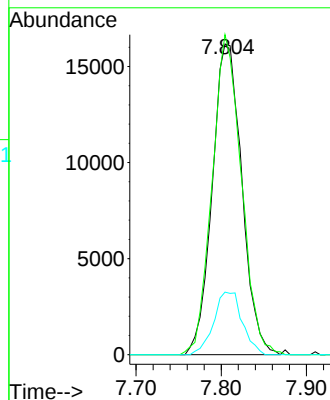
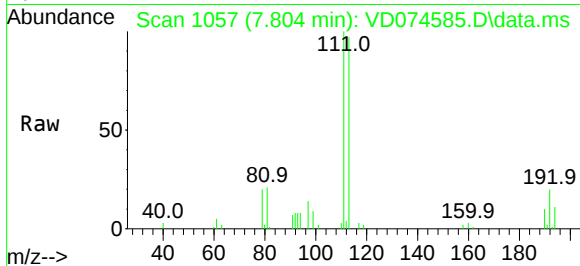




#35
Dibromofluoromethane
Concen: 49.228 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

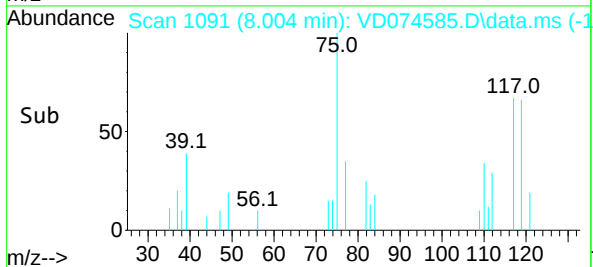
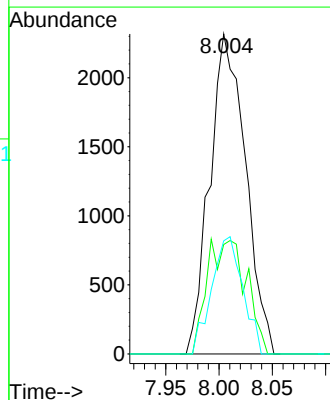
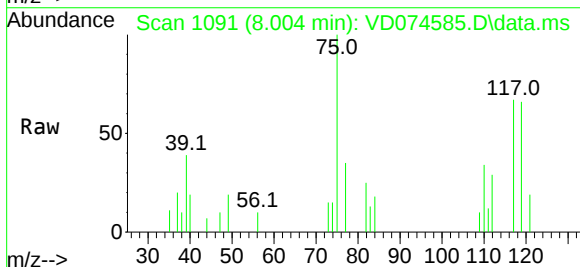
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

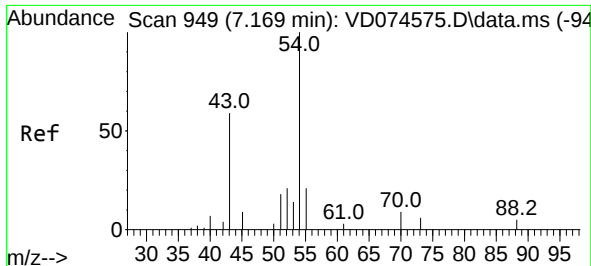
Tgt Ion:	113	Resp:	39104
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.3	123.5
192	19.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 4.199 ug/l
RT: 8.004 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:	75	Resp:	5407
Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.7	59.0
77	31.9	25.4	38.2





#37

Ethyl Acetate

Concen: 4.145 ug/l

RT: 7.169 min Scan# 949

Delta R.T. 0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

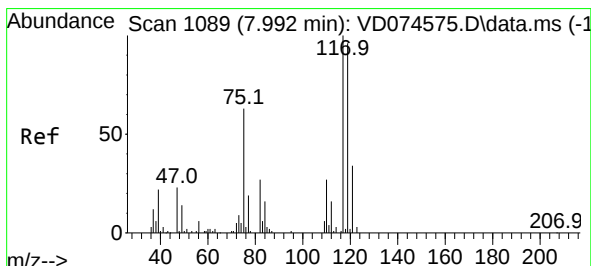
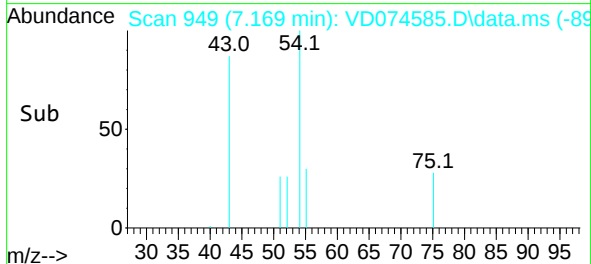
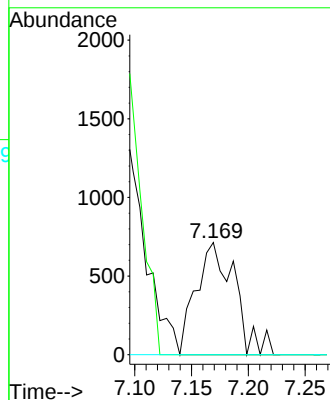
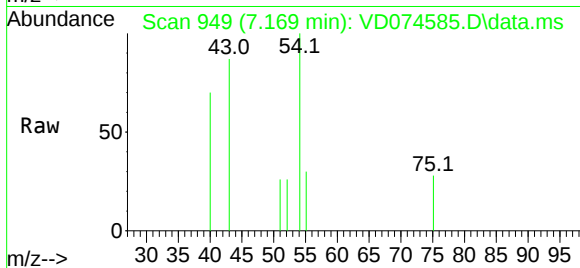
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion: 43	Resp:	1684
Ion	Ratio	Lower Upper
43	100	
61	0.0	12.2 18.4#
70	0.0	9.6 14.4#



#38

Carbon Tetrachloride

Concen: 3.711 ug/l

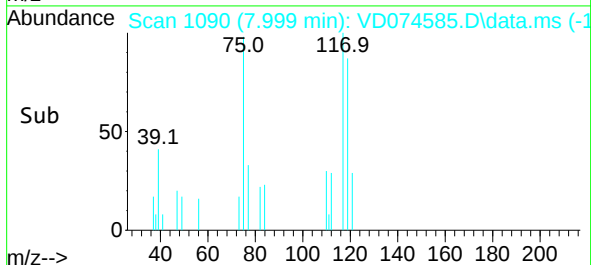
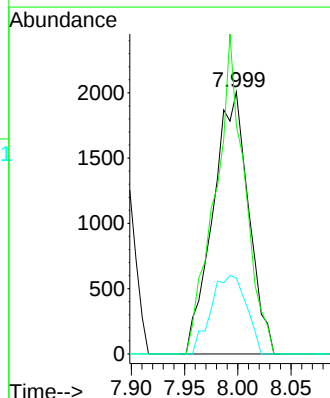
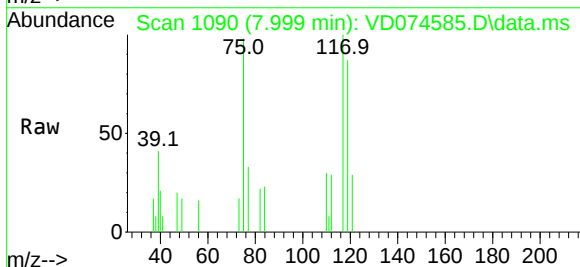
RT: 7.999 min Scan# 1090

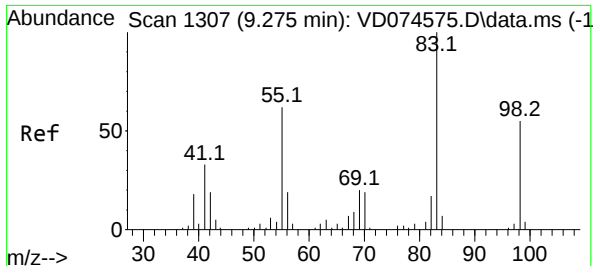
Delta R.T. 0.012 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Tgt Ion: 117	Resp:	4679
Ion	Ratio	Lower Upper
117	100	
119	87.2	73.1 109.7
121	29.0	25.0 37.6





#39

Methylcyclohexane

Concen: 4.328 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

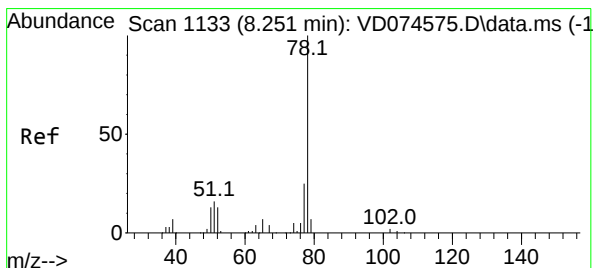
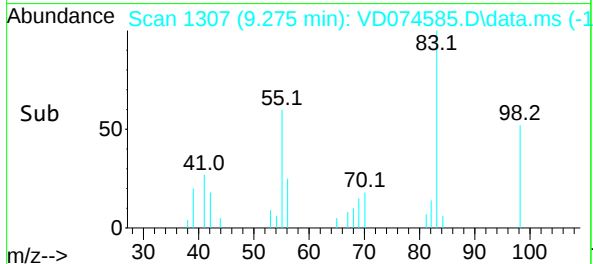
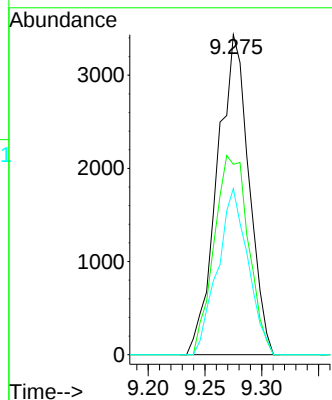
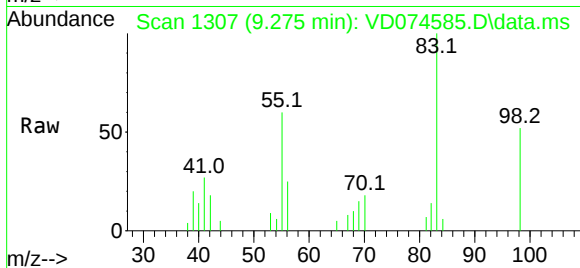
Tgt Ion: 83 Resp: 6658

Ion Ratio Lower Upper

83 100

55 59.5 49.0 73.4

98 51.9 41.7 62.5



#40

Benzene

Concen: 4.374 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.001 min

Lab File: VD074585.D

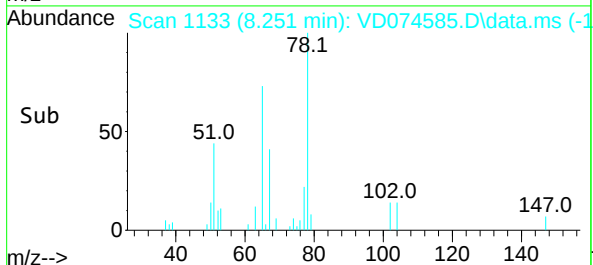
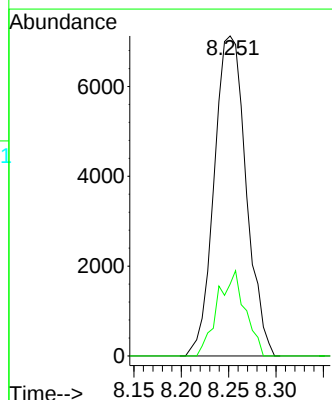
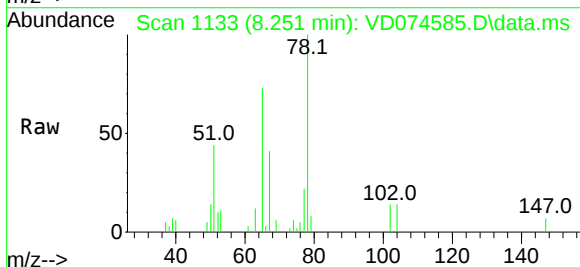
Acq: 19 Oct 2022 18:07

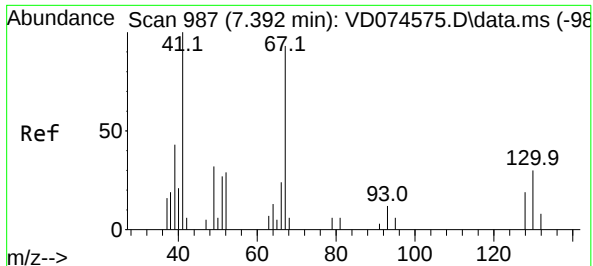
Tgt Ion: 78 Resp: 16714

Ion Ratio Lower Upper

78 100

77 22.4 20.1 30.1

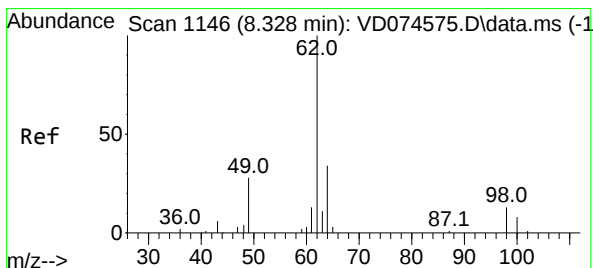
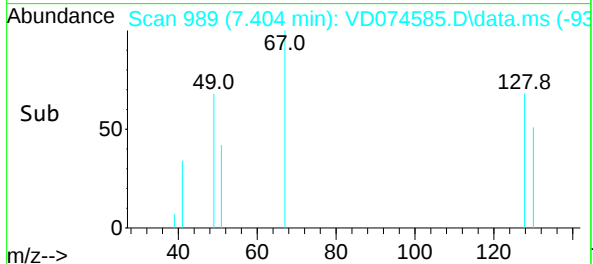
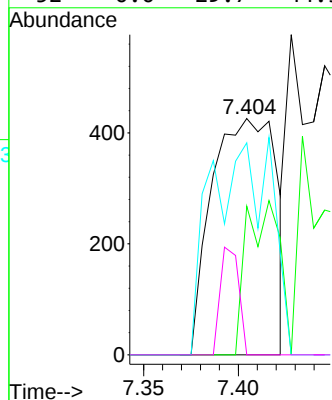
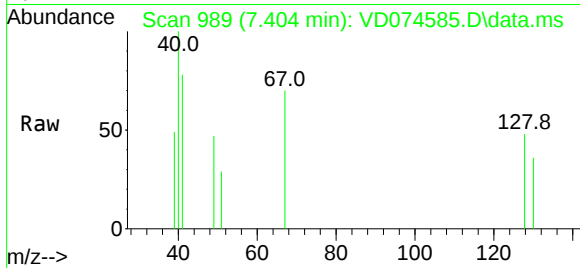




#41
Methacrylonitrile
Concen: 4.601 ug/l
RT: 7.404 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

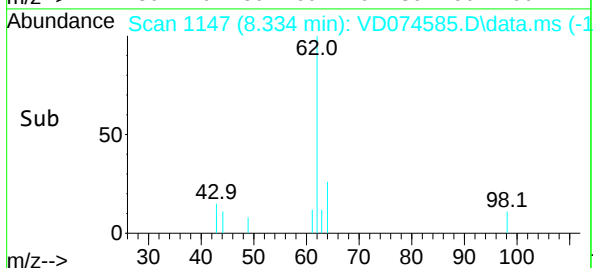
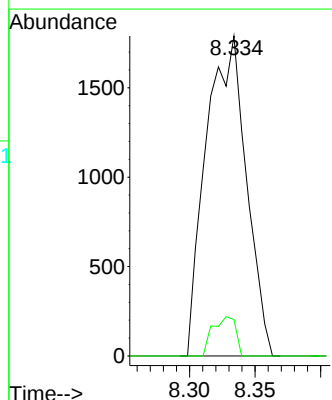
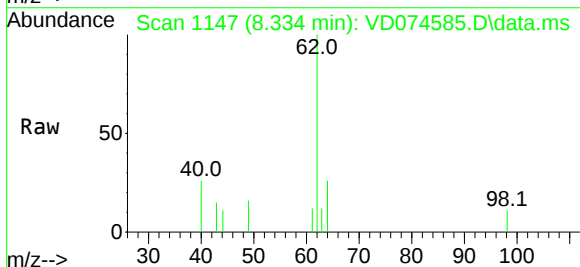
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

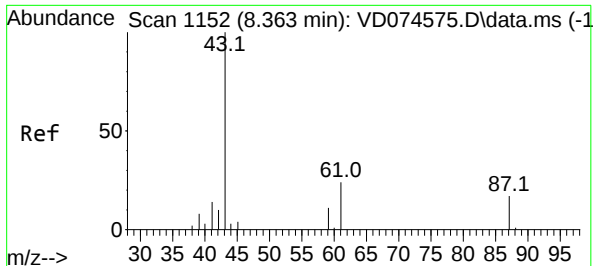
Tgt Ion: 41 Resp: 1007
Ion Ratio Lower Upper
41 100
39 33.4 35.0 52.6#
67 0.0 77.0 115.6#
52 0.0 29.7 44.5#



#42
1,2-Dichloroethane
Concen: 4.324 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 62 Resp: 3813
Ion Ratio Lower Upper
62 100
98 7.0 0.0 24.2

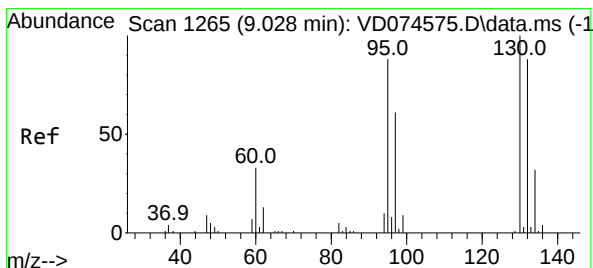
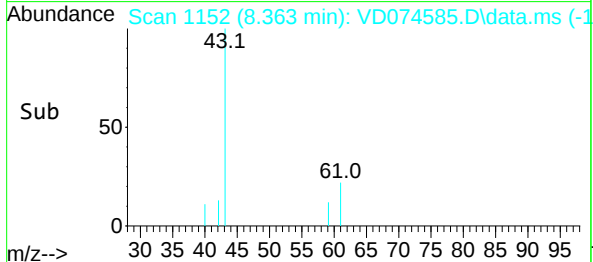
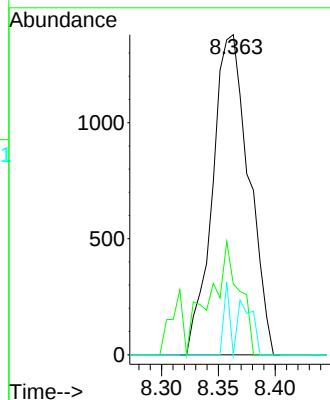
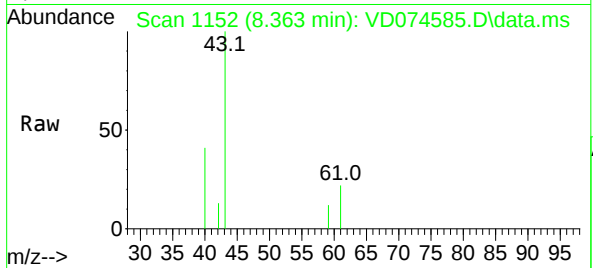




#43
Isopropyl Acetate
Concen: 4.068 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

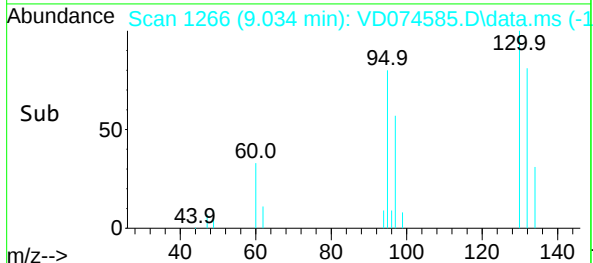
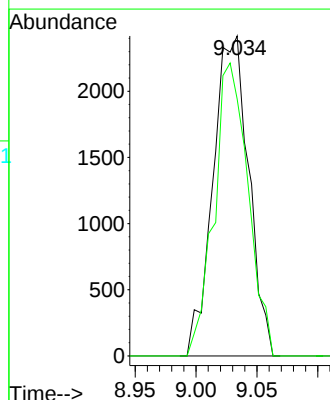
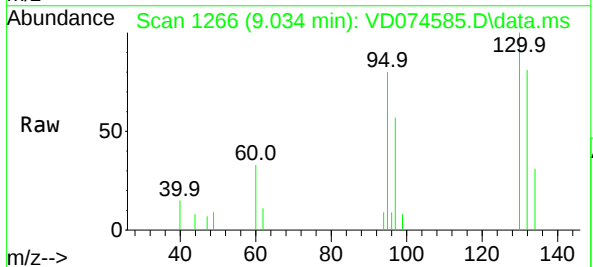
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

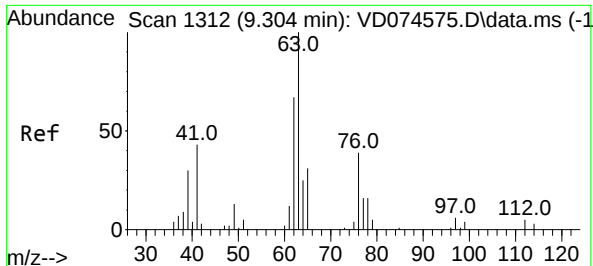
Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
61 0.0 30.9 46.3#
87 6.9 14.3 21.5#



#44
Trichloroethene
Concen: 4.395 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:130 Resp: 4920
Ion Ratio Lower Upper
130 100
95 80.3 0.0 185.4





#45

1,2-Dichloropropane

Concen: 4.277 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

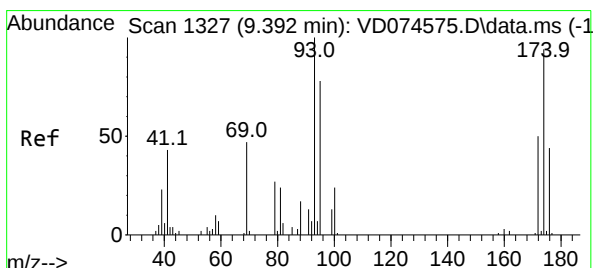
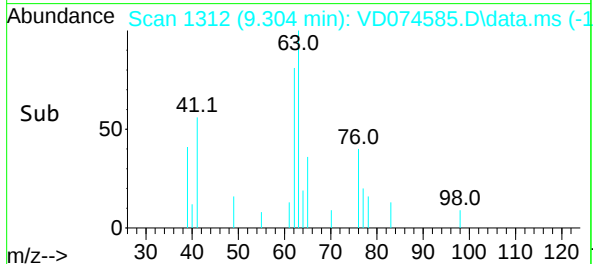
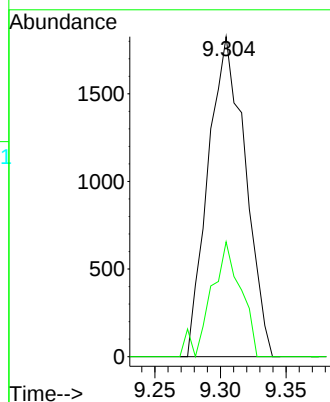
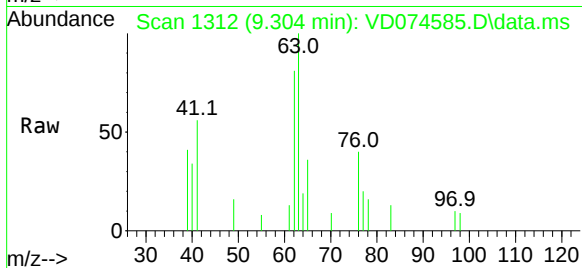
MDL-SOIL-03-QT4-2022

Tgt Ion: 63 Resp: 3587

Ion Ratio Lower Upper

63 100

65 35.9 23.1 34.7#



#46

Dibromomethane

Concen: 4.032 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. -0.001 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

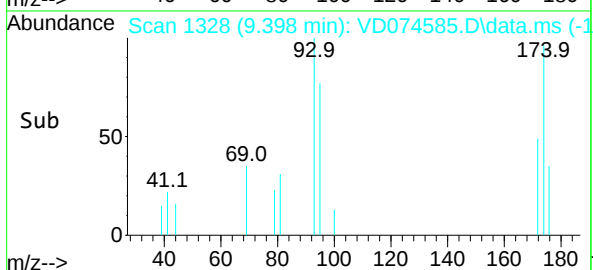
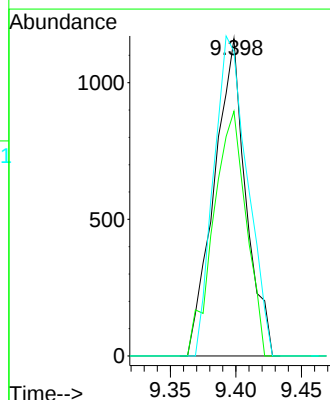
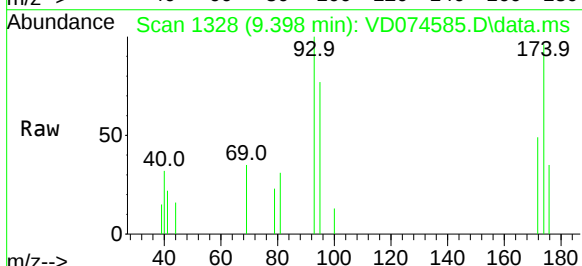
Tgt Ion: 93 Resp: 1951

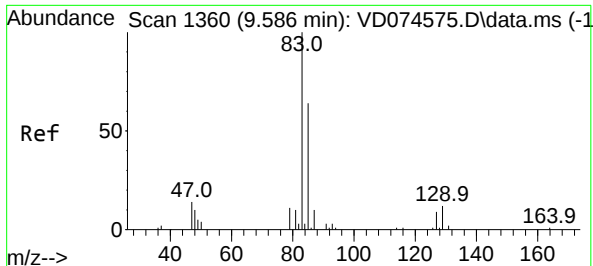
Ion Ratio Lower Upper

93 100

95 79.5 68.2 102.2

174 106.8 87.4 131.0





#47

Bromodichloromethane

Concen: 4.247 ug/l

RT: 9.587 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074585.D

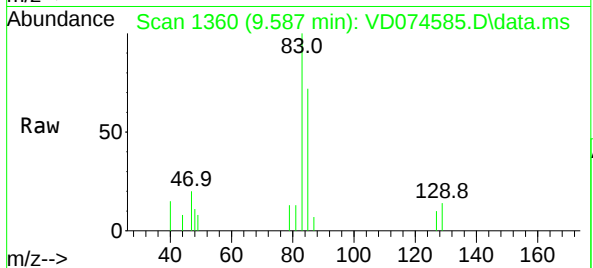
Acq: 19 Oct 2022 18:07

Instrument :

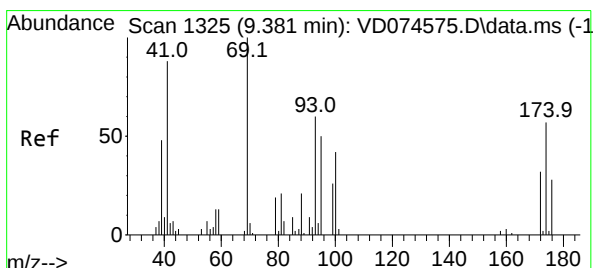
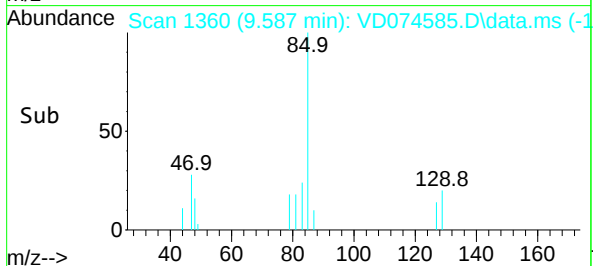
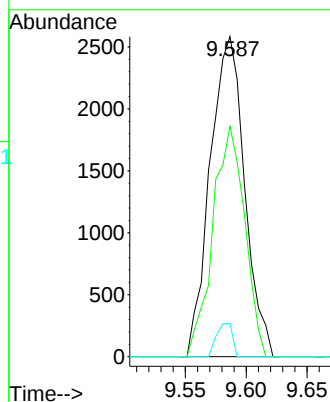
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion: 83	Resp: 5085
Ion Ratio	Lower Upper
83	100
85	72.0 48.8 73.2
127	10.4 6.7 10.1#



#48

Methyl methacrylate

Concen: 3.782 ug/l

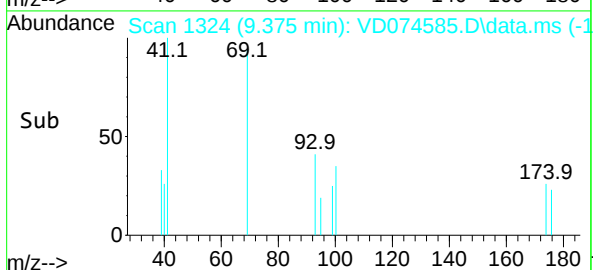
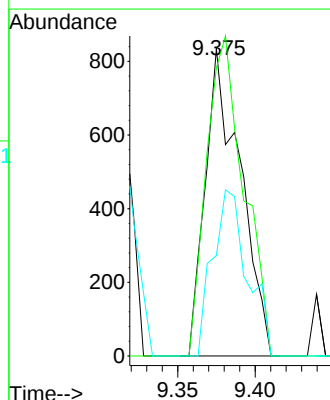
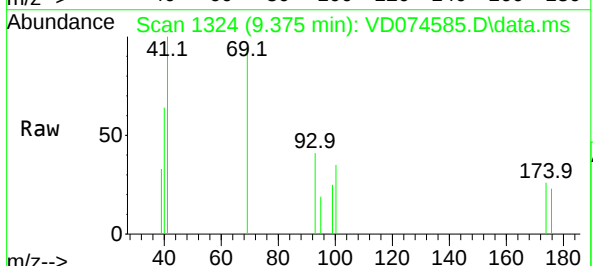
RT: 9.375 min Scan# 1324

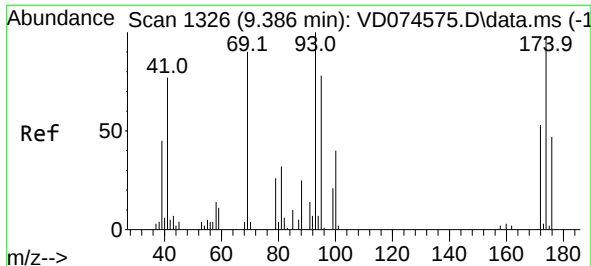
Delta R.T. -0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Tgt Ion: 41	Resp: 1305
Ion Ratio	Lower Upper
41	100
69	111.5 93.0 139.4
39	53.9 44.6 66.8





#49

1,4-Dioxane

Concen: 13.228 ug/l

RT: 9.387 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

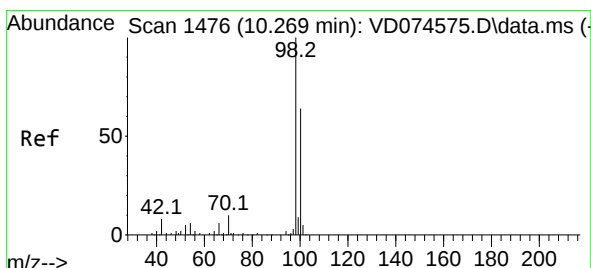
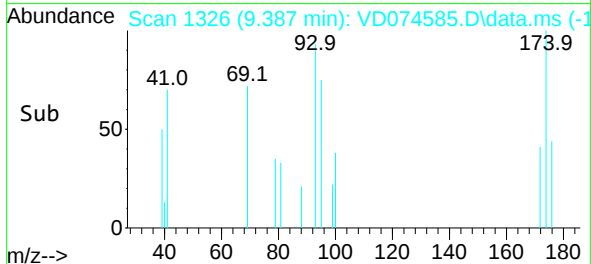
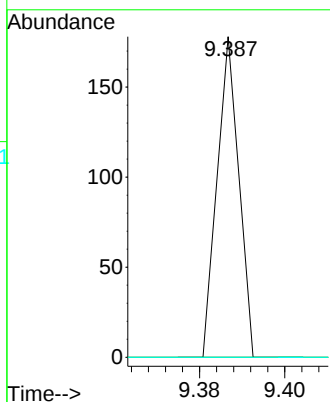
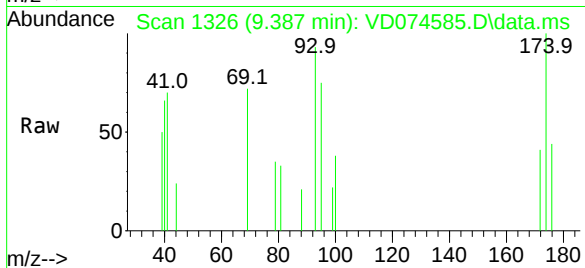
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

58 0.0 43.1 64.7#



#50

Toluene-d8

Concen: 45.329 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD074585.D

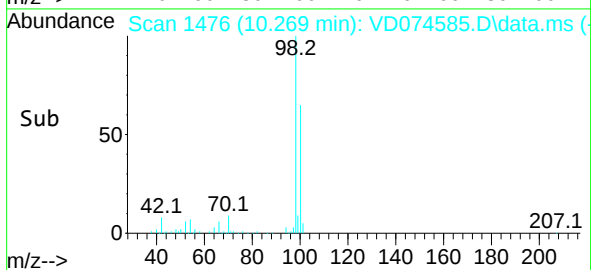
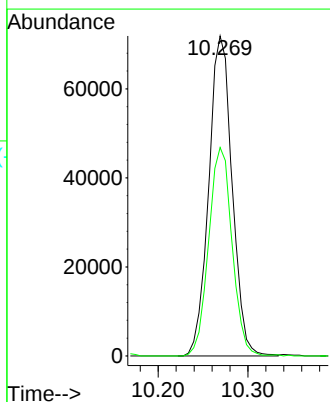
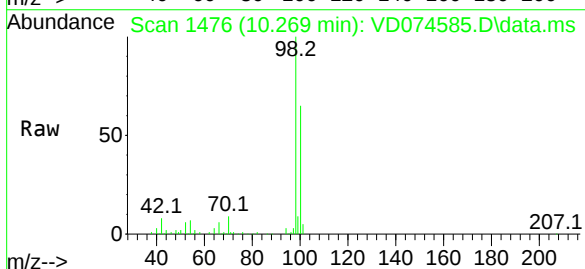
Acq: 19 Oct 2022 18:07

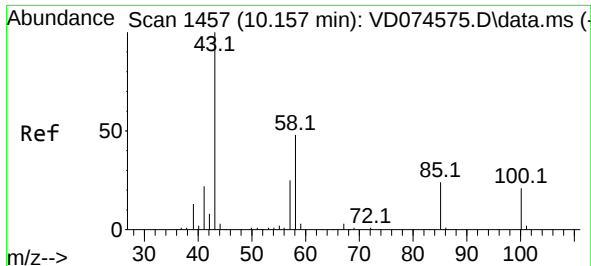
Tgt Ion: 98 Resp: 130035

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 18.029 ug/l

RT: 10.163 min Scan# 1457

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

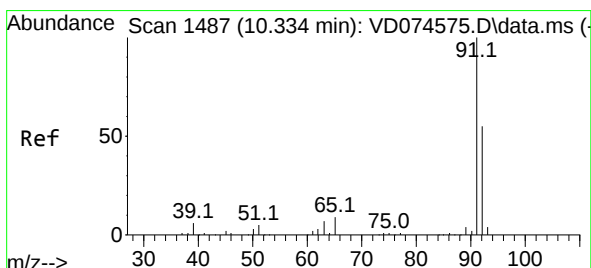
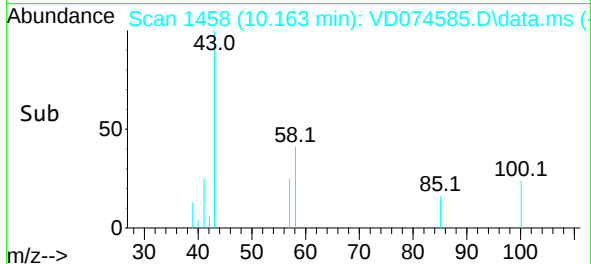
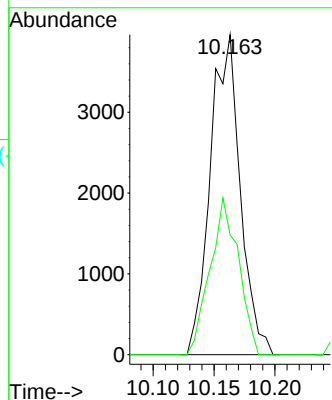
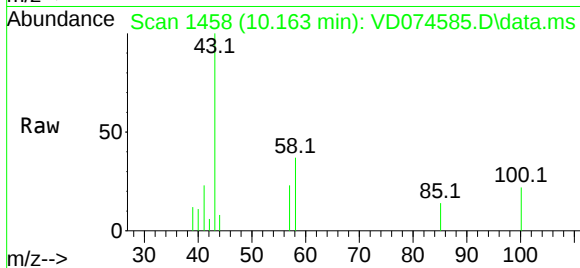
MDL-SOIL-03-QT4-2022

Tgt Ion: 43 Resp: 6770

Ion Ratio Lower Upper

43 100

58 46.6 37.8 56.6



#52

Toluene

Concen: 4.425 ug/l

RT: 10.328 min Scan# 1486

Delta R.T. -0.006 min

Lab File: VD074585.D

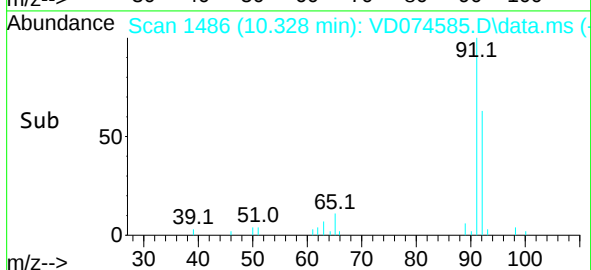
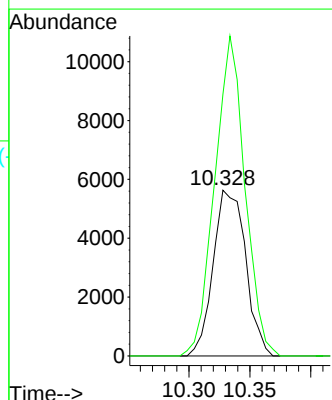
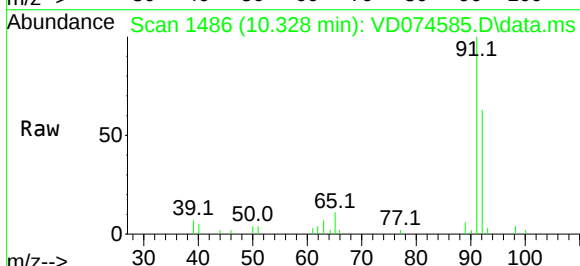
Acq: 19 Oct 2022 18:07

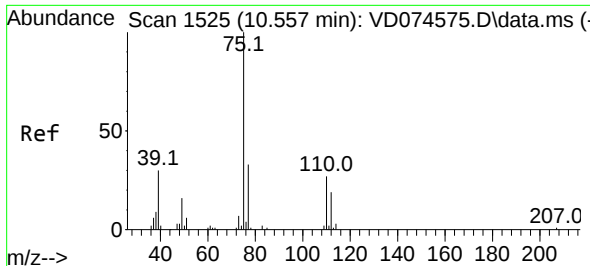
Tgt Ion: 92 Resp: 10428

Ion Ratio Lower Upper

92 100

91 180.2 139.0 208.4

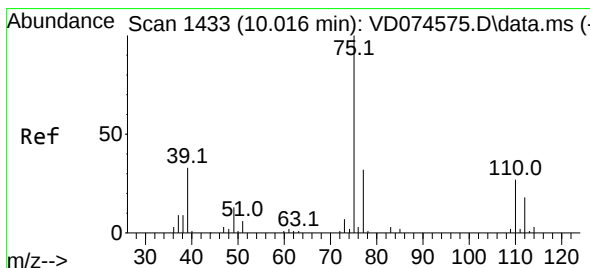
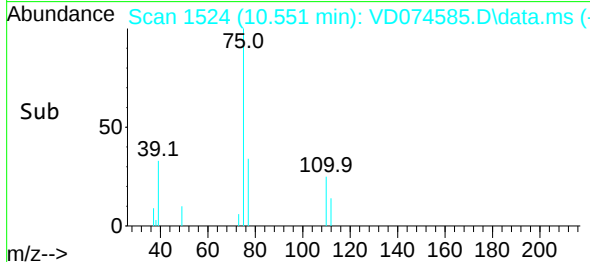
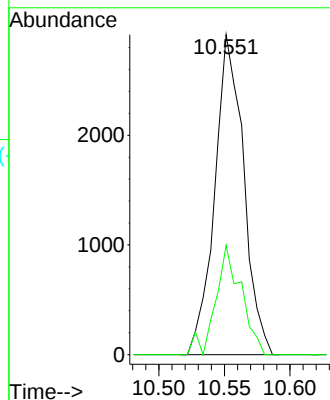
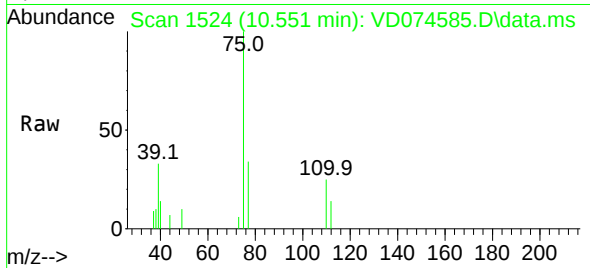




#53
 t-1,3-Dichloropropene
 Concen: 4.233 ug/l
 RT: 10.551 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

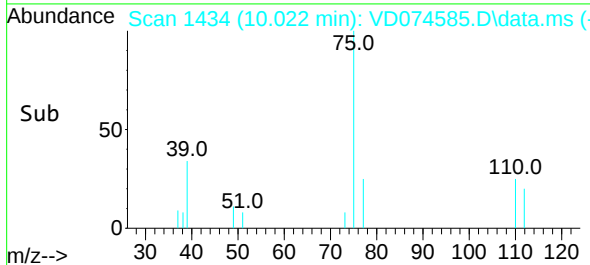
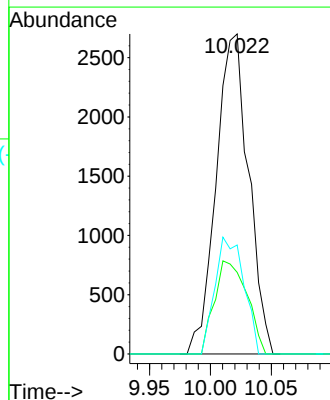
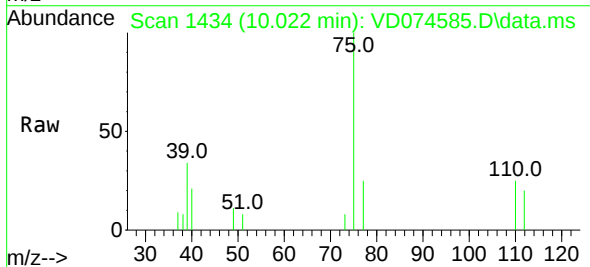
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

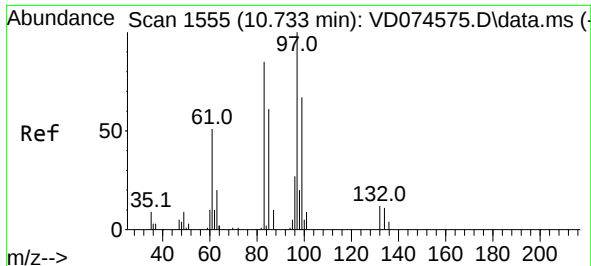
Tgt Ion: 75 Resp: 4456
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 3.774 ug/l
 RT: 10.022 min Scan# 1434
 Delta R.T. 0.006 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

Tgt Ion: 75 Resp: 5009
 Ion Ratio Lower Upper
 75 100
 77 25.5 24.7 37.1
 39 34.1 25.4 38.2

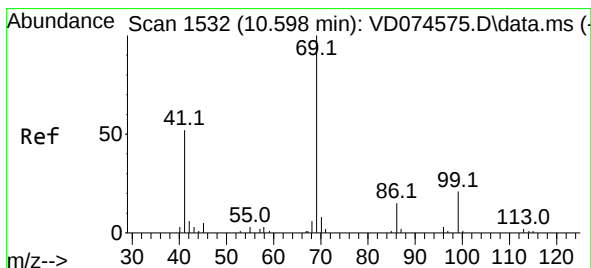
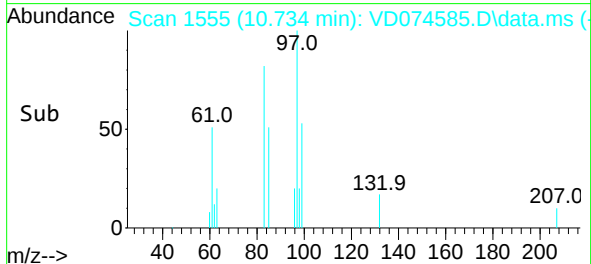
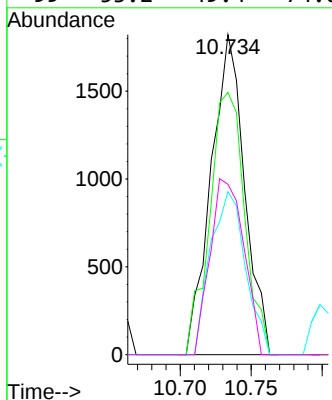
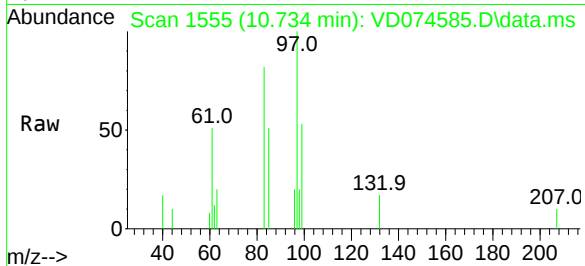




#55
1,1,2-Trichloroethane
Concen: 4.500 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

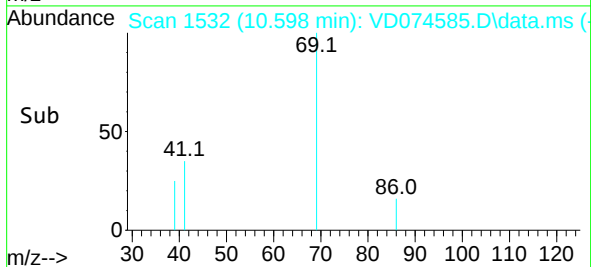
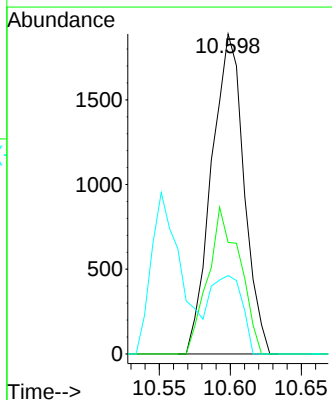
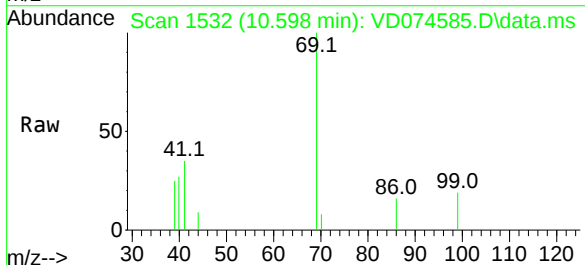
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

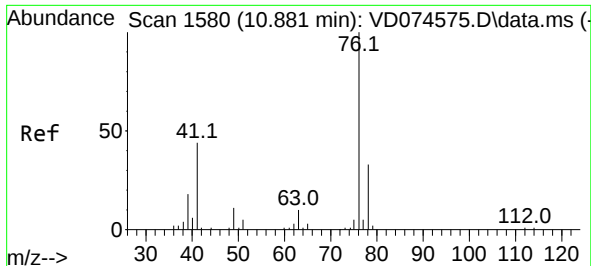
Tgt Ion: 97	Resp:	2992	
Ion	Ratio	Lower	Upper
97	100		
83	81.9	64.8	97.2
85	50.9	44.8	67.2
99	53.2	49.4	74.0



#56
Ethyl methacrylate
Concen: 4.121 ug/l
RT: 10.598 min Scan# 1532
Delta R.T. 0.005 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 69	Resp: 2995
Ion Ratio	Lower Upper
69 100	
41 45.1	38.6 58.0
39 23.4	19.9 29.9





#57

1,3-Dichloropropane

Concen: 4.269 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

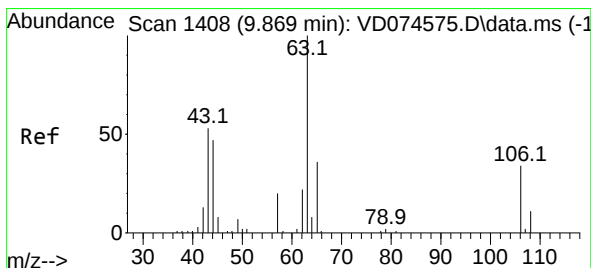
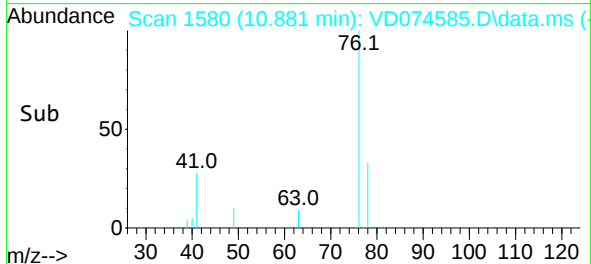
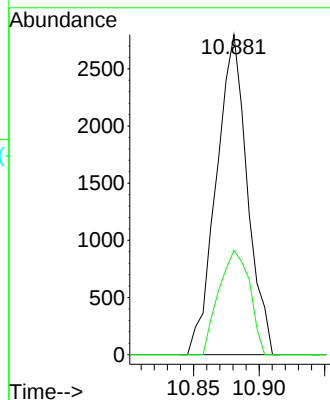
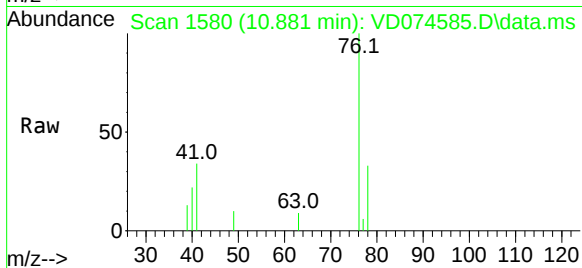
MDL-SOIL-03-QT4-2022

Tgt Ion: 76 Resp: 4604

Ion Ratio Lower Upper

76 100

78 32.4 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 46.859 ug/l

RT: 9.863 min Scan# 1407

Delta R.T. -0.006 min

Lab File: VD074585.D

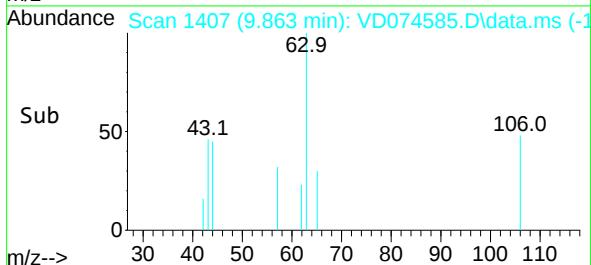
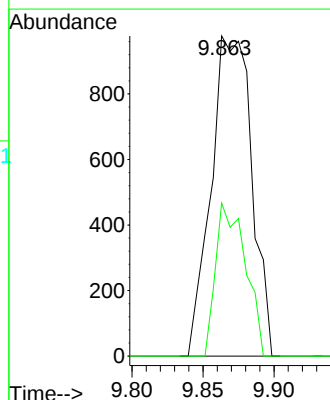
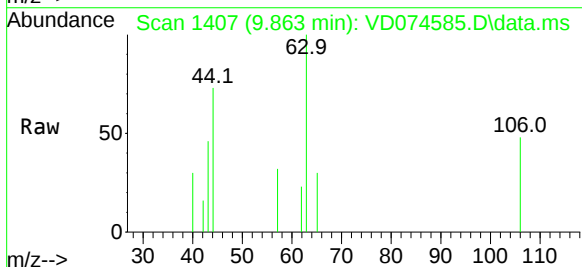
Acq: 19 Oct 2022 18:07

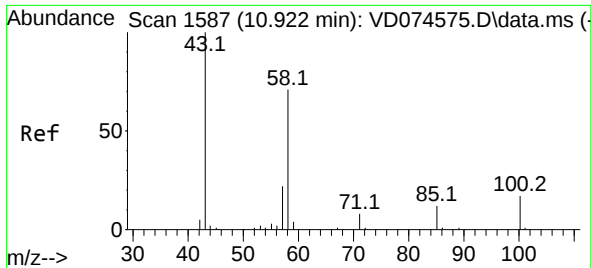
Tgt Ion: 63 Resp: 1940

Ion Ratio Lower Upper

63 100

106 35.0 26.5 39.7

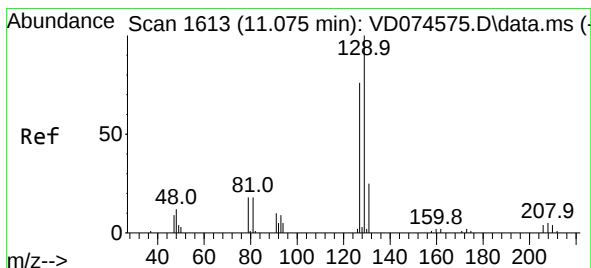
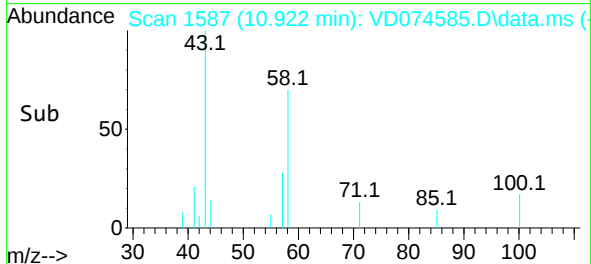
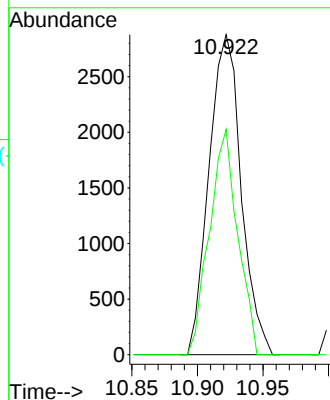
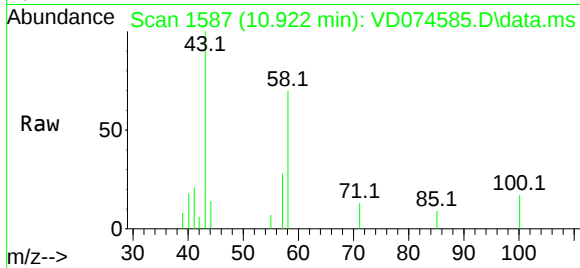




#59
2-Hexanone
Concen: 19.184 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

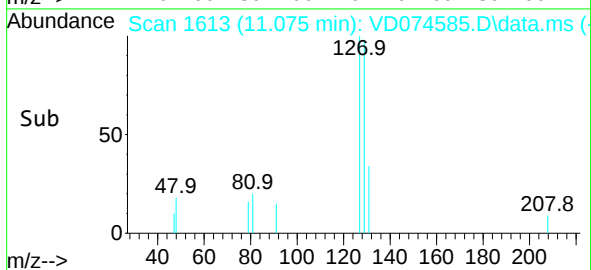
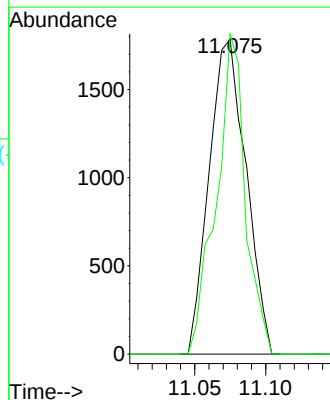
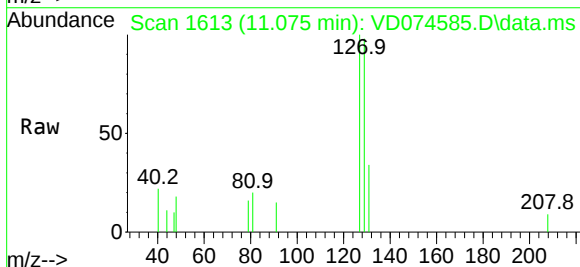
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

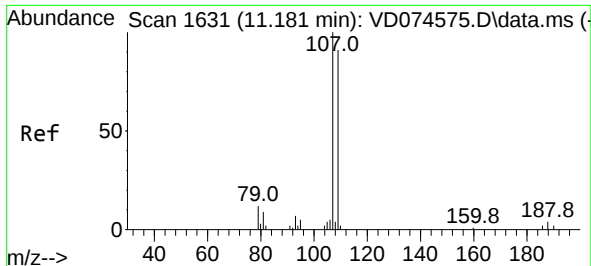
Tgt Ion: 43 Resp: 4917
Ion Ratio Lower Upper
43 100
58 61.7 32.0 96.2



#60
Dibromochloromethane
Concen: 4.018 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 129 Resp: 3220
Ion Ratio Lower Upper
129 100
127 80.0 39.1 117.2

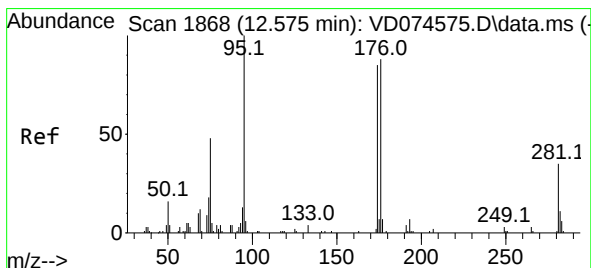
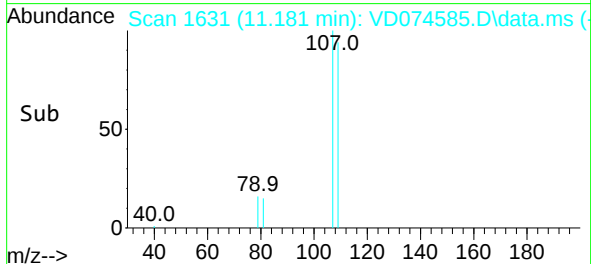
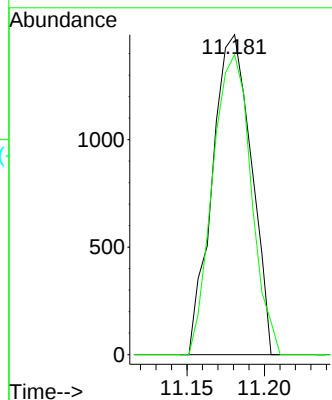
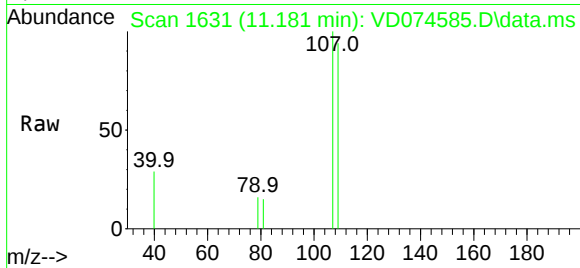




#61
1,2-Dibromoethane
Concen: 4.289 ug/l
RT: 11.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

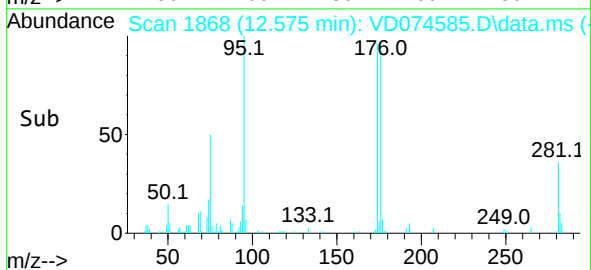
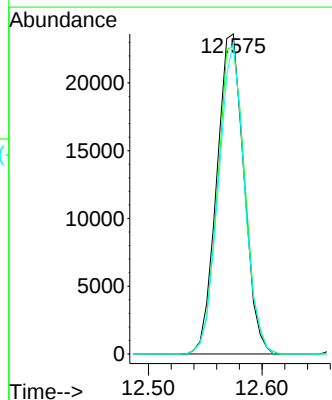
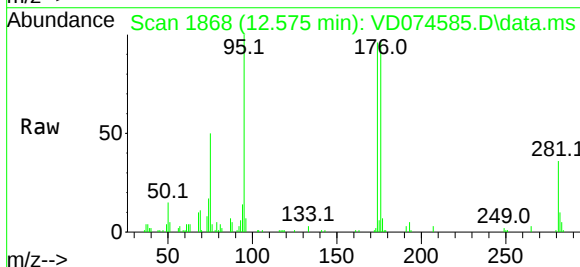
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

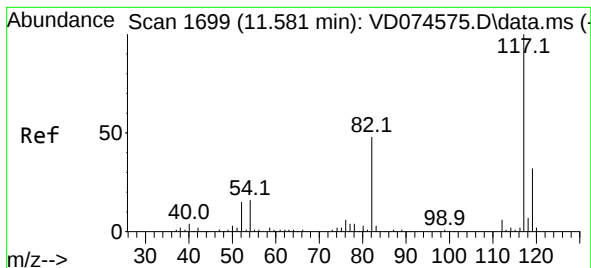
Tgt Ion:107 Resp: 2603
Ion Ratio Lower Upper
107 100
109 92.4 74.6 111.8



#62
4-Bromofluorobenzene
Concen: 47.332 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 95 Resp: 39147
Ion Ratio Lower Upper
95 100
174 96.9 0.0 197.0
176 93.1 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

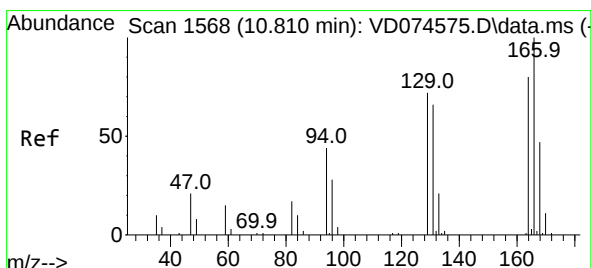
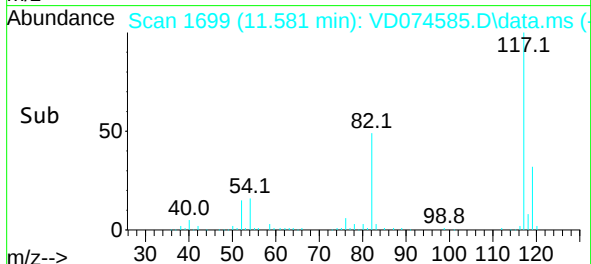
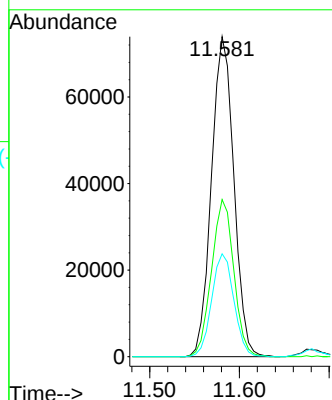
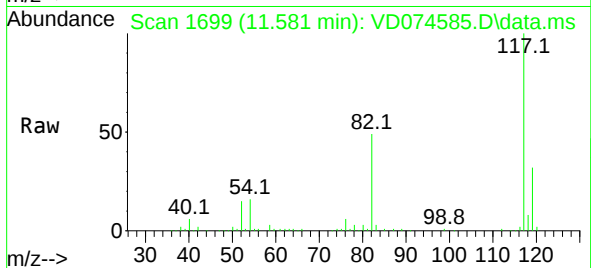
Tgt Ion:117 Resp: 128176

Ion Ratio Lower Upper

117 100

82 49.1 41.6 62.4

119 32.2 25.2 37.8



#64

Tetrachloroethene

Concen: 4.846 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Tgt Ion:164 Resp: 4591

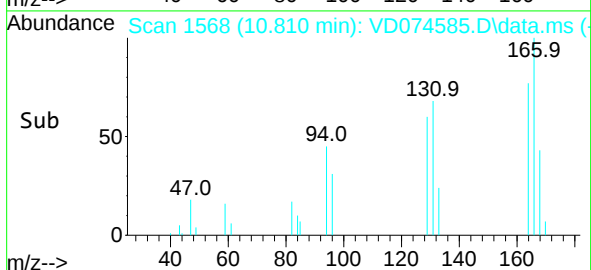
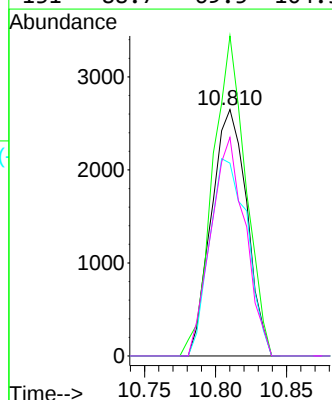
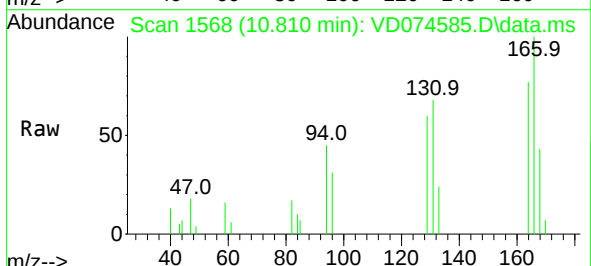
Ion Ratio Lower Upper

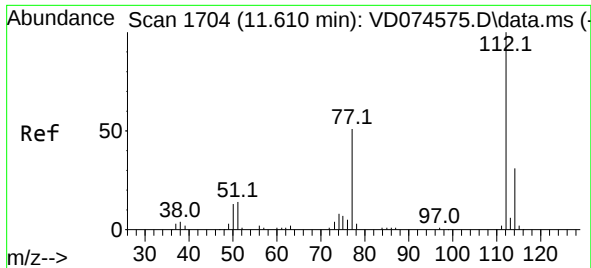
164 100

166 129.9 107.8 161.8

129 78.2 77.4 116.2

131 88.7 69.5 104.3

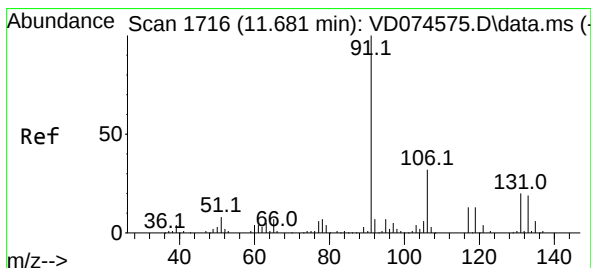
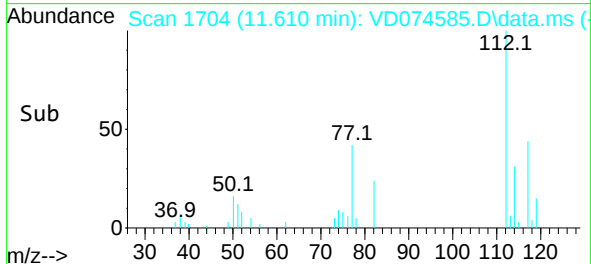
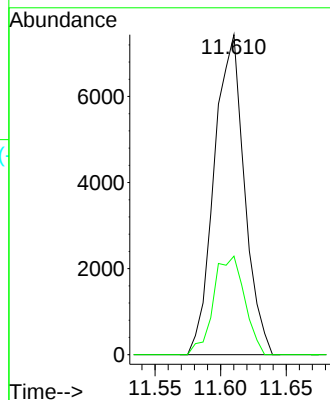
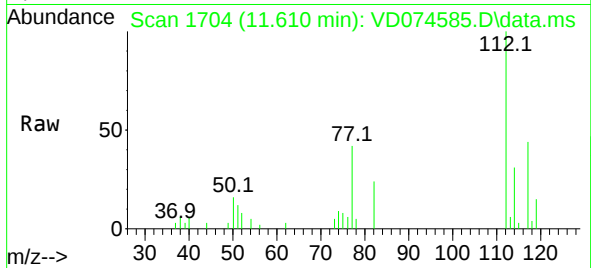




#65
Chlorobenzene
Concen: 4.411 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

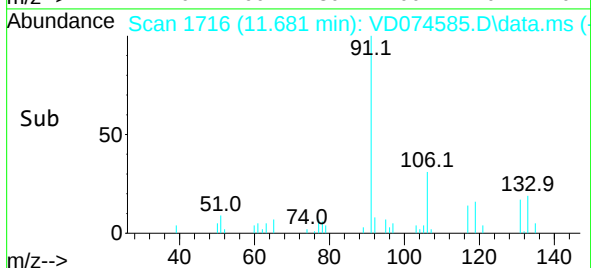
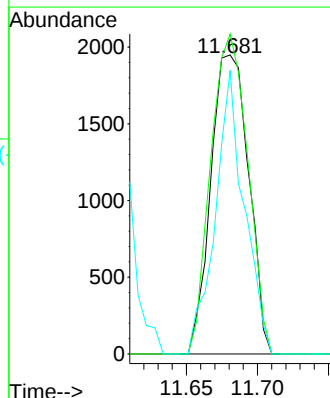
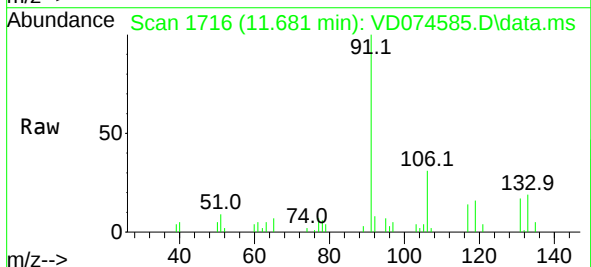
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

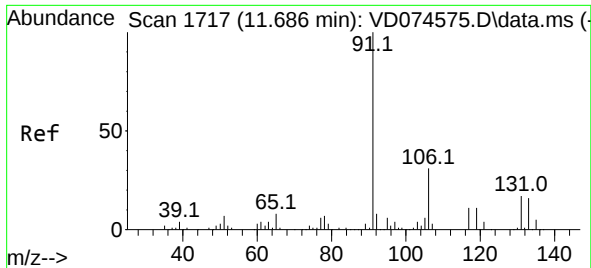
Tgt Ion:112 Resp: 11908
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 3.896 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:131 Resp: 3614
Ion Ratio Lower Upper
131 100
133 104.6 46.6 139.8
119 72.3 32.5 97.4

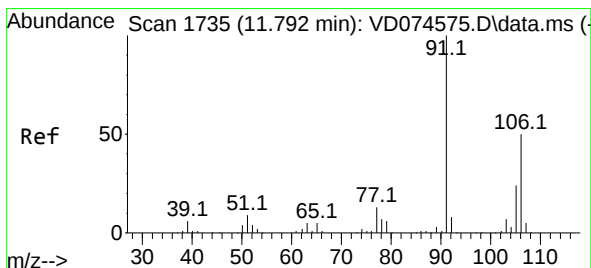
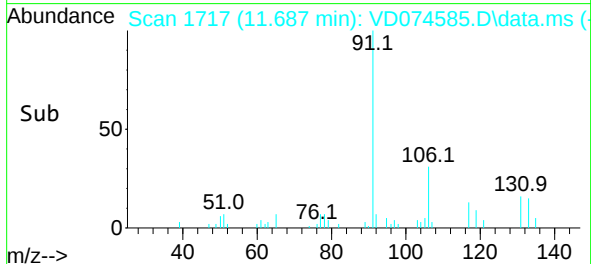
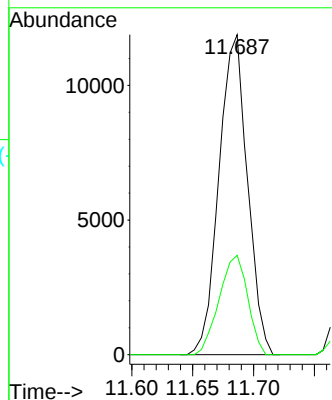
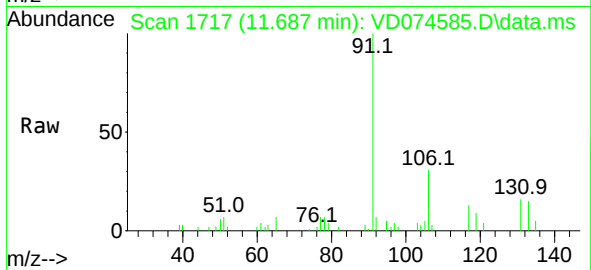




#67
Ethyl Benzene
Concen: 4.110 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

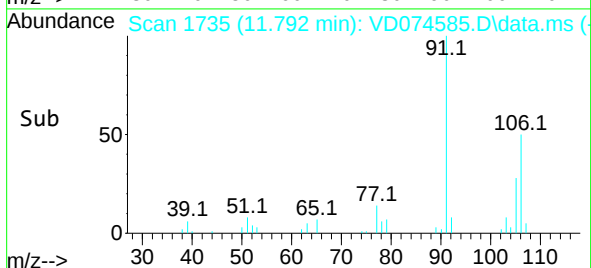
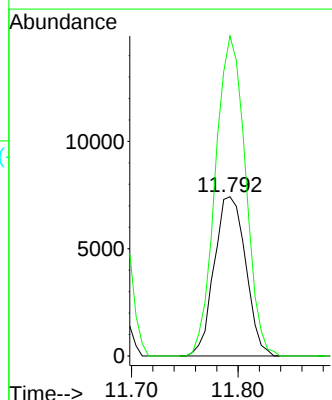
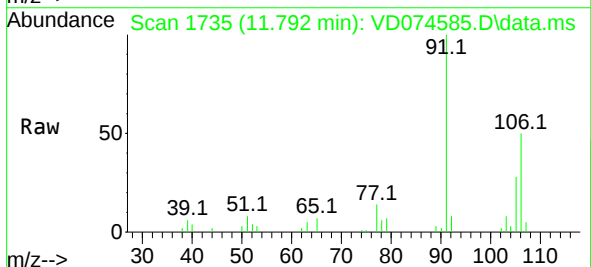
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

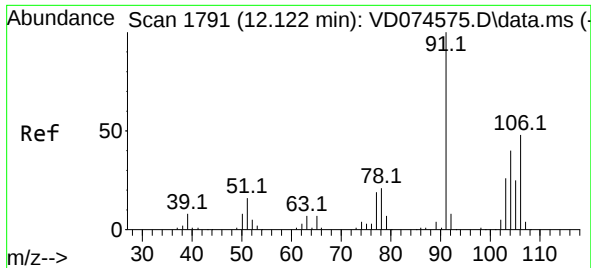
Tgt Ion: 91 Resp: 19321
Ion Ratio Lower Upper
91 100
106 31.0 26.6 40.0



#68
m/p-Xylenes
Concen: 8.139 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:106 Resp: 15215
Ion Ratio Lower Upper
106 100
91 192.2 156.2 234.4

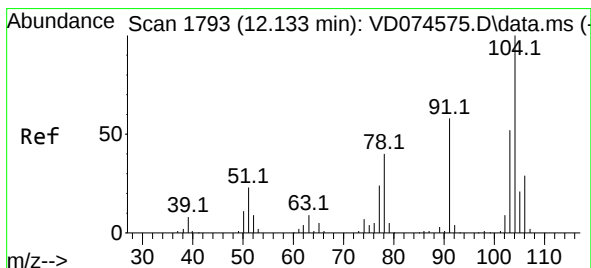
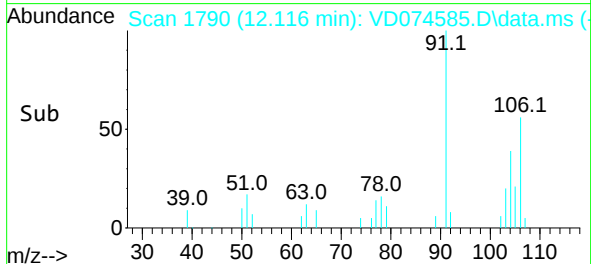
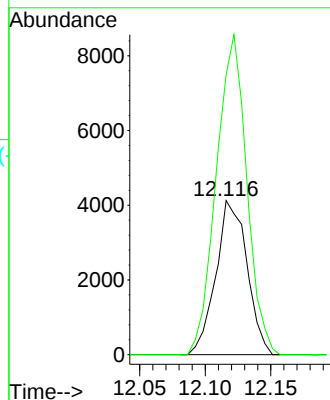
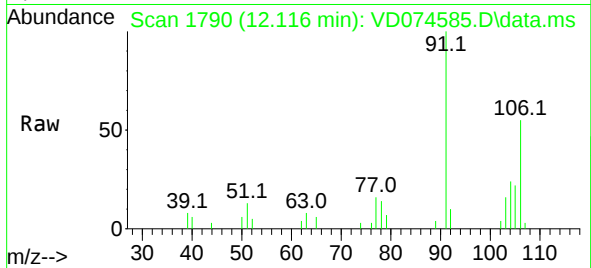




#69
o-Xylene
Concen: 3.914 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

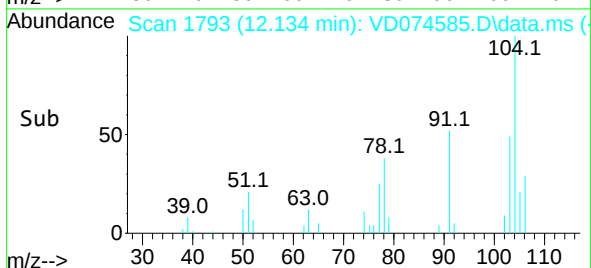
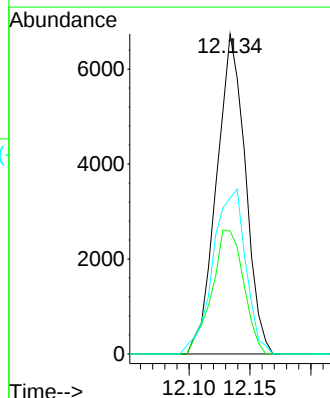
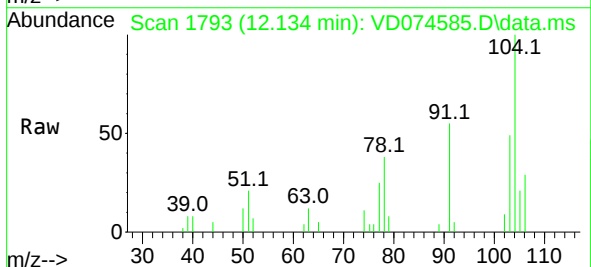
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

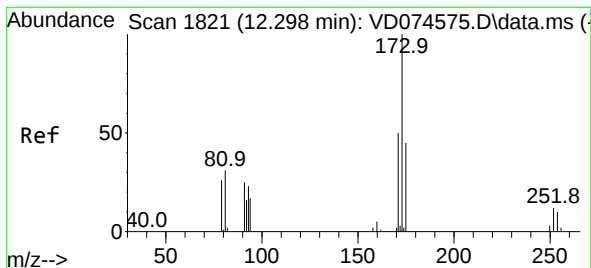
Tgt Ion:106 Resp: 6810
Ion Ratio Lower Upper
106 100
91 203.3 104.5 313.3



#70
Styrene
Concen: 3.790 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:104 Resp: 11105
Ion Ratio Lower Upper
104 100
78 42.5 35.7 53.5
103 58.5 43.7 65.5





#71

Bromoform

Concen: 4.111 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

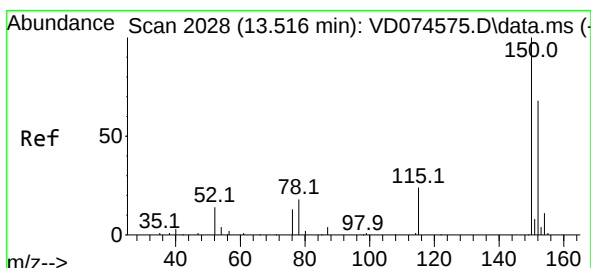
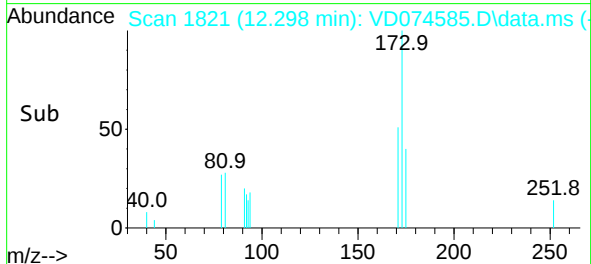
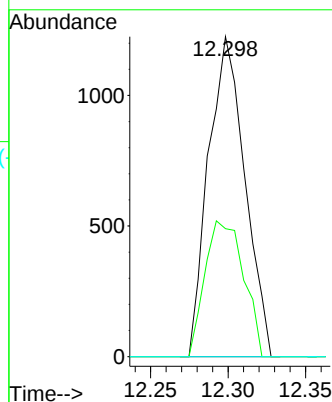
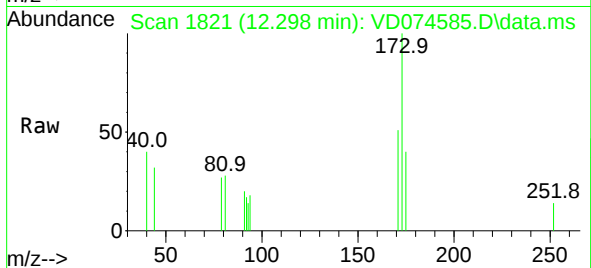
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:173	Resp:	2002
Ion Ratio	Lower	Upper
173	100	
175	44.9	23.1 69.3
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

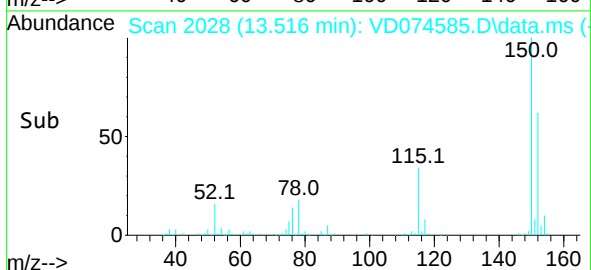
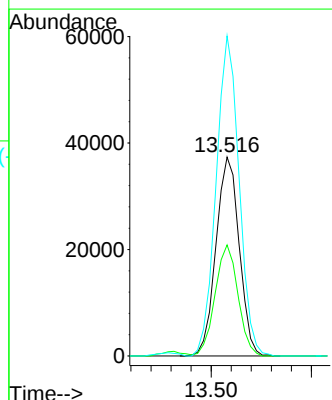
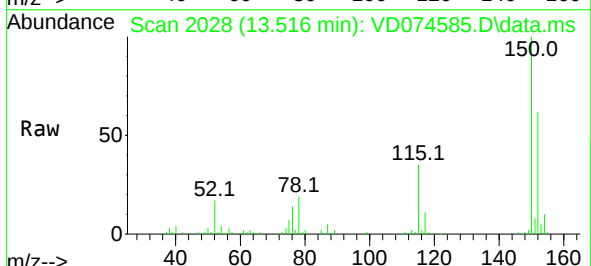
RT: 13.516 min Scan# 2028

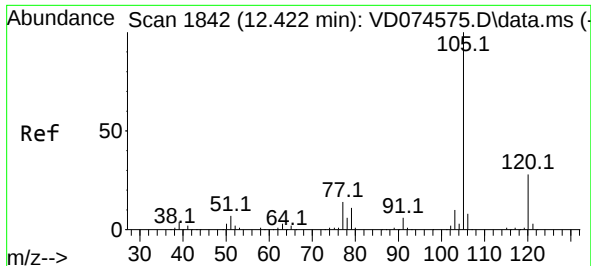
Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Tgt Ion:152	Resp:	60088
Ion Ratio	Lower	Upper
152	100	
115	55.0	26.8 80.4
150	158.8	0.0 348.2

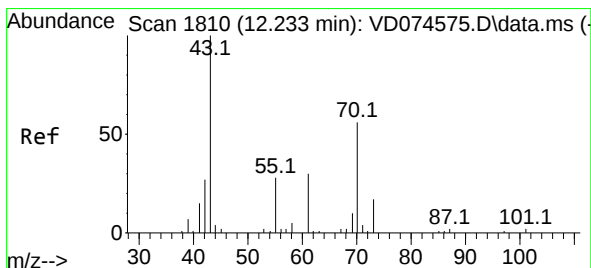
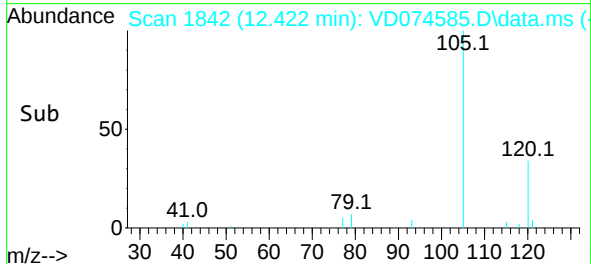
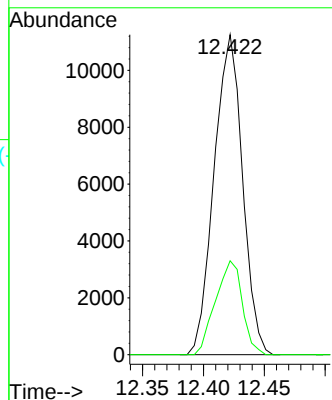
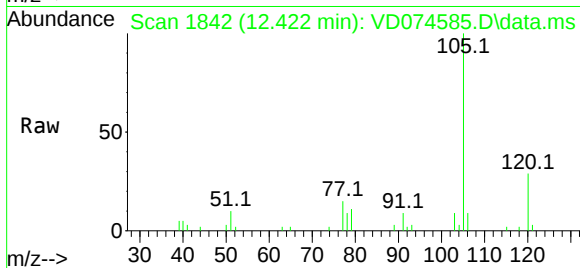




#73
Isopropylbenzene
Concen: 3.899 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

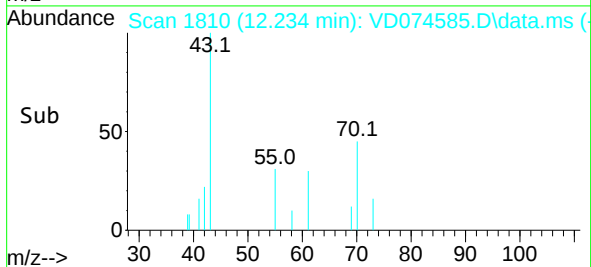
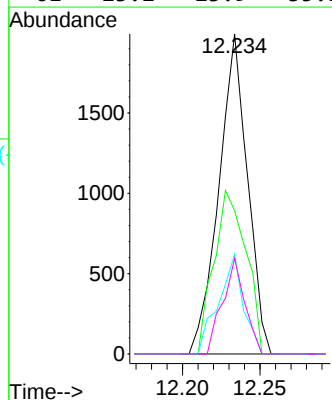
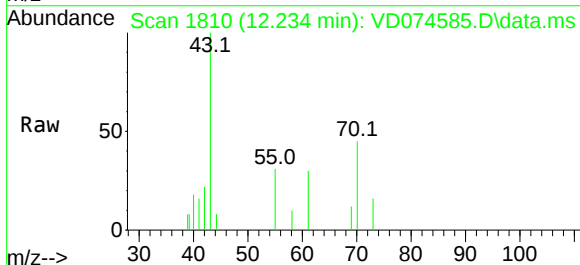
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

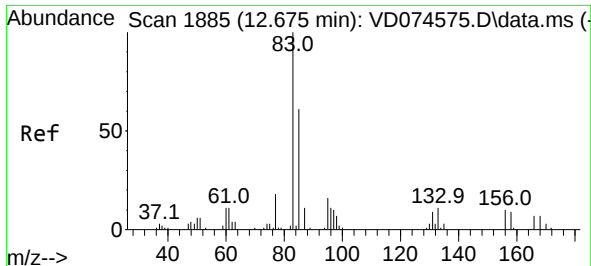
Tgt Ion:105 Resp: 18270
Ion Ratio Lower Upper
105 100
120 27.6 13.5 40.4



#74
N-ethyl acetate
Concen: 3.690 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 43 Resp: 2556
Ion Ratio Lower Upper
43 100
70 57.1 43.8 65.6
55 27.1 22.0 33.0
61 23.2 23.9 35.9#

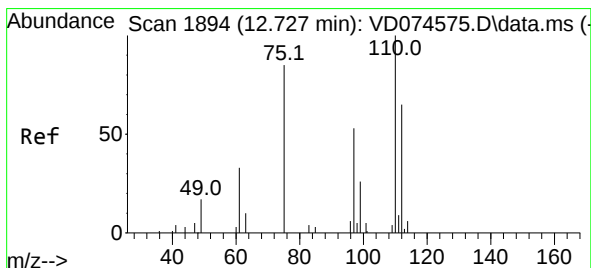
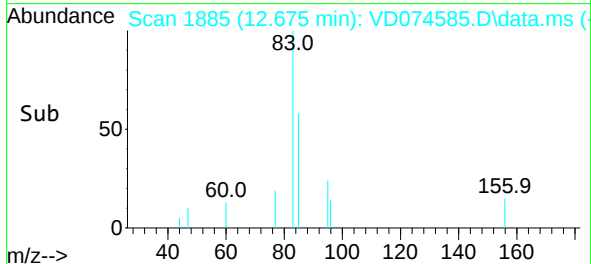
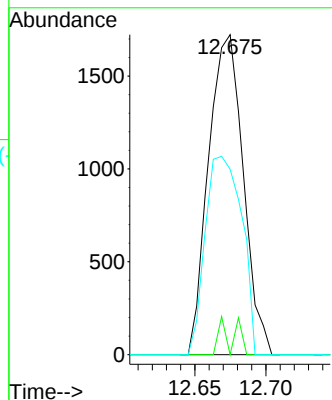
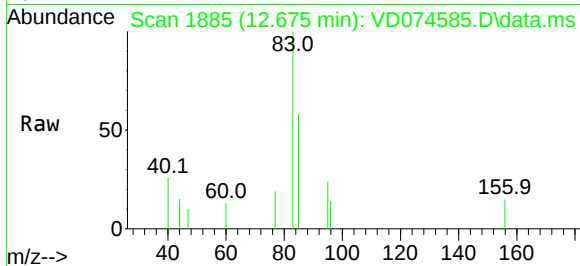




#75
1,1,2,2-Tetrachloroethane
Concen: 3.954 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

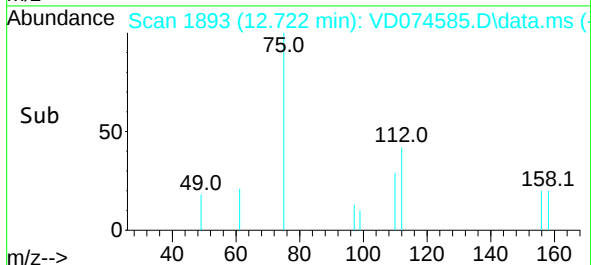
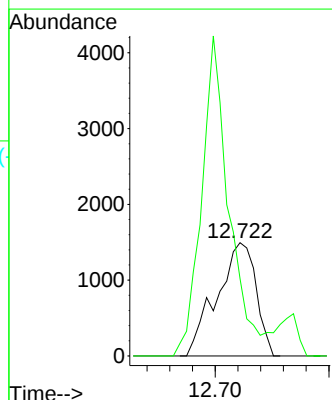
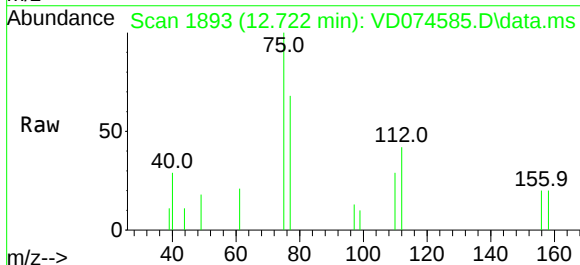
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2022

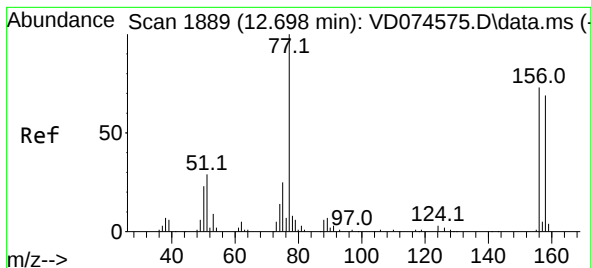
Tgt Ion: 83 Resp: 2933
Ion Ratio Lower Upper
83 100
131 4.9 4.7 14.1
85 65.2 33.1 99.2



#76
1,2,3-Trichloropropane
Concen: 6.806 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 75 Resp: 3571
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#





#77

Bromobenzene

Concen: 4.387 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

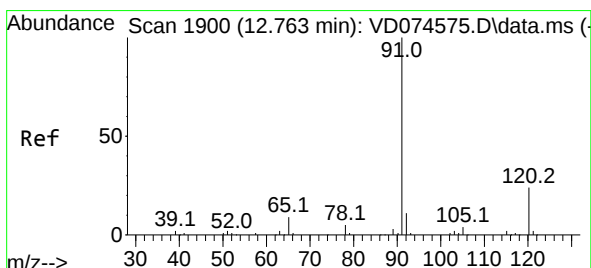
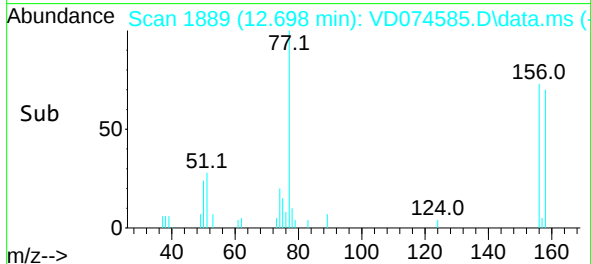
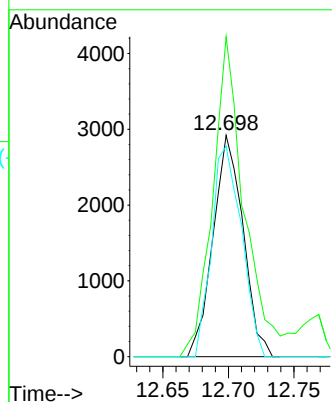
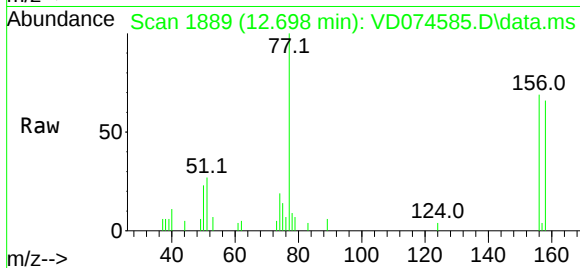
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:	156	Resp:	4640
Ion	Ratio	Lower	Upper
156	100		
77	150.3	77.7	233.1
158	94.8	49.4	148.2



#78

n-propylbenzene

Concen: 4.083 ug/l

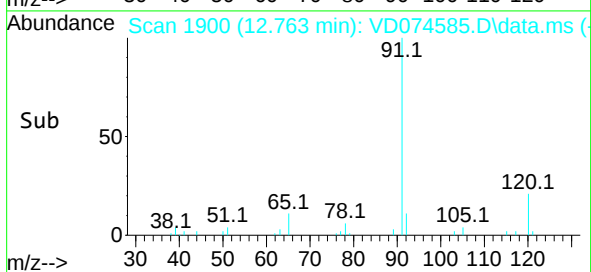
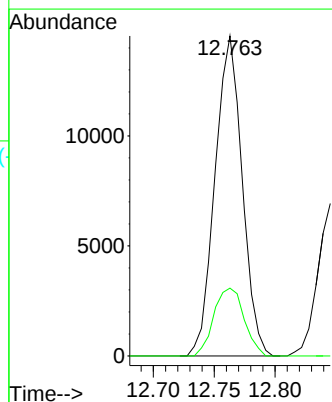
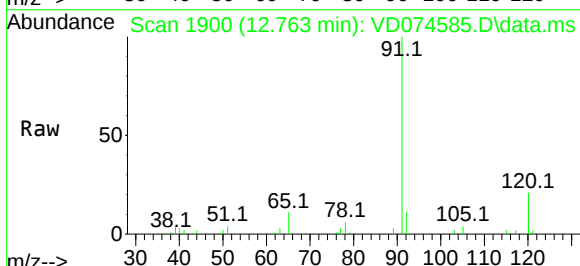
RT: 12.763 min Scan# 1900

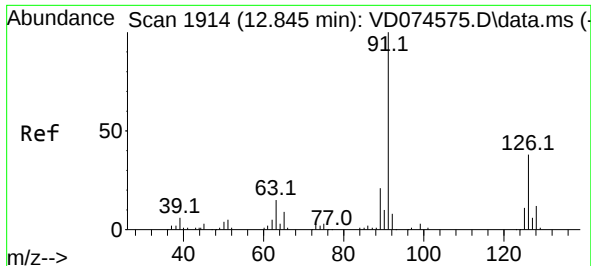
Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Tgt Ion:	91	Resp:	22611
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 4.184 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

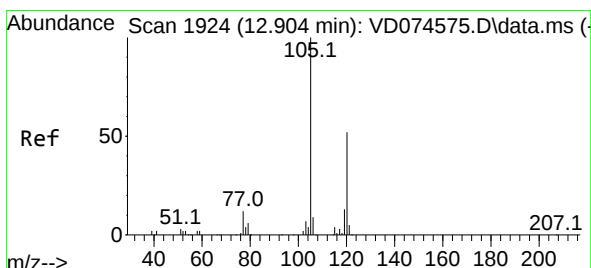
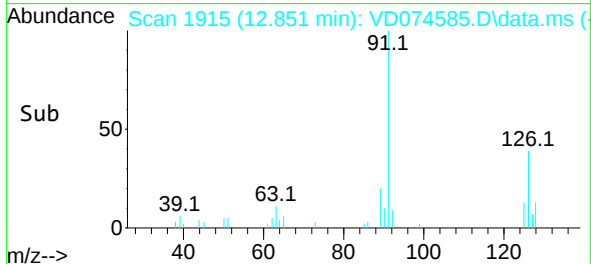
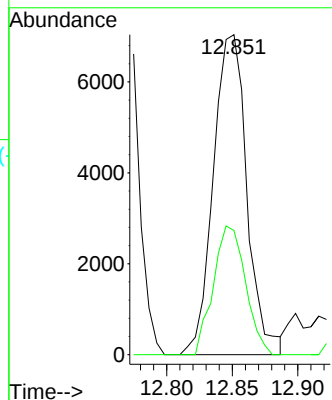
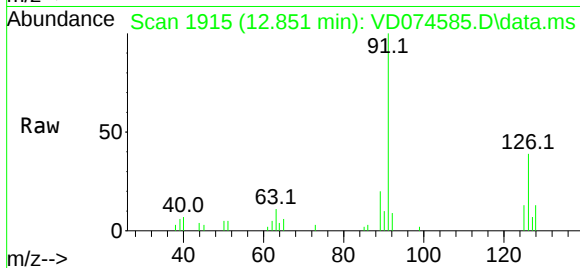
MDL-SOIL-03-QT4-2022

Tgt Ion: 91 Resp: 12553

Ion Ratio Lower Upper

91 100

126 38.4 18.3 54.8



#80

1,3,5-Trimethylbenzene

Concen: 4.152 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.006 min

Lab File: VD074585.D

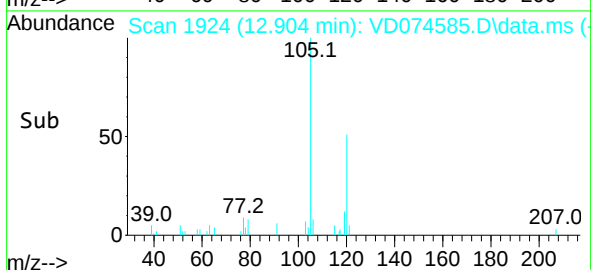
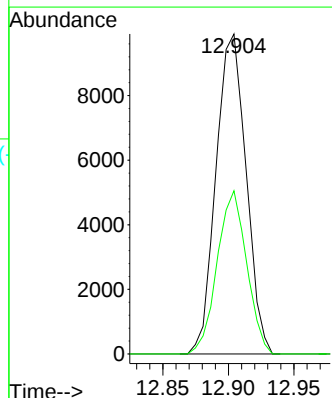
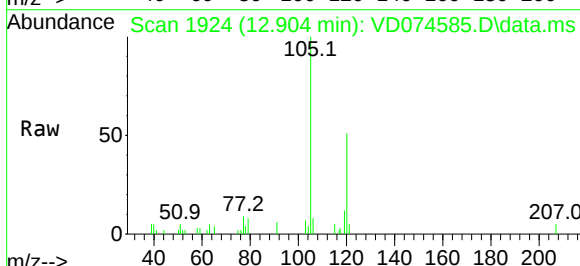
Acq: 19 Oct 2022 18:07

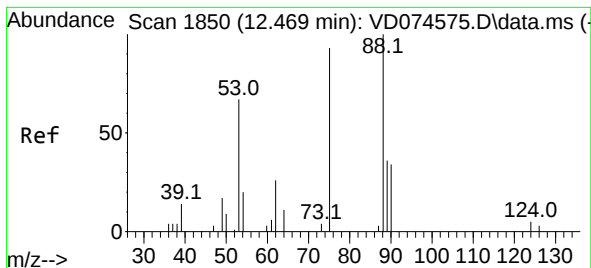
Tgt Ion: 105 Resp: 15795

Ion Ratio Lower Upper

105 100

120 50.0 25.7 77.0

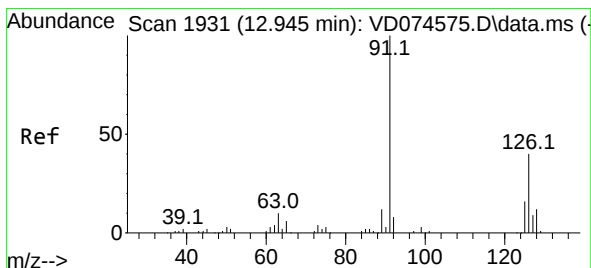
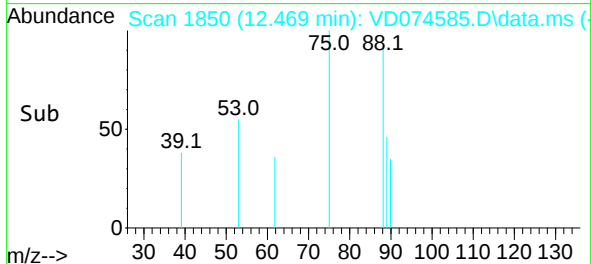
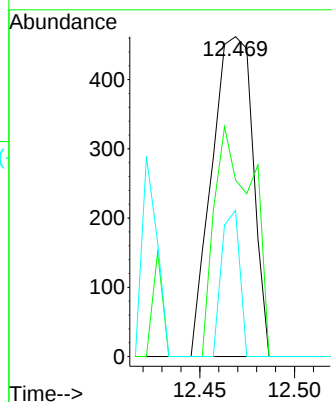
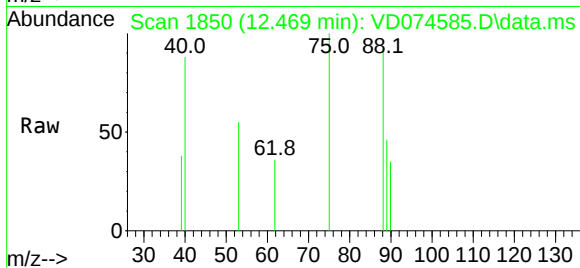




#81
trans-1,4-Dichloro-2-butene
Concen: 3.380 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

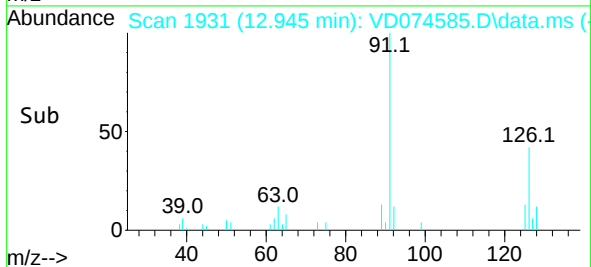
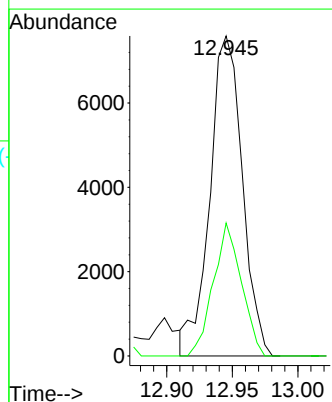
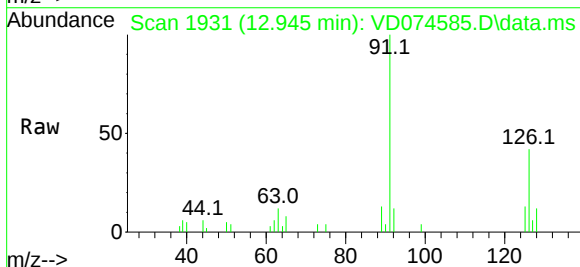
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2022

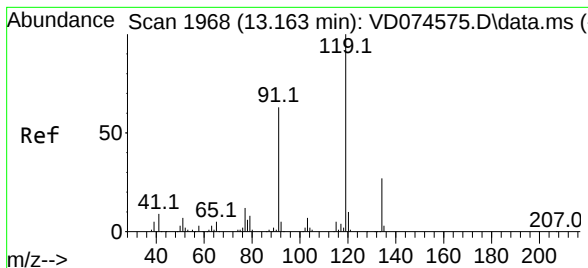
Tgt Ion: 75 Resp: 694
Ion Ratio Lower Upper
75 100
53 66.6 63.8 95.6
89 20.3 38.2 57.4#



#82
4-Chlorotoluene
Concen: 4.235 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.005 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion: 91 Resp: 13053
Ion Ratio Lower Upper
91 100
126 35.9 18.8 56.4

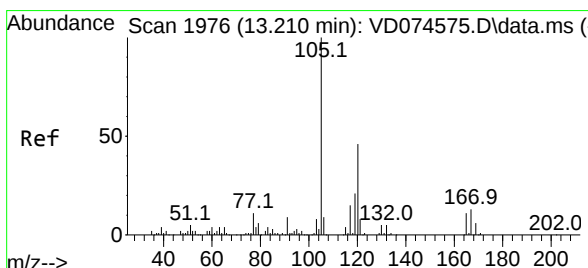
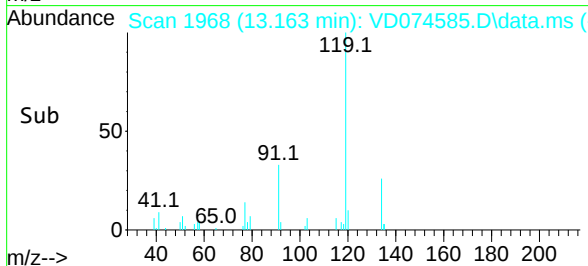
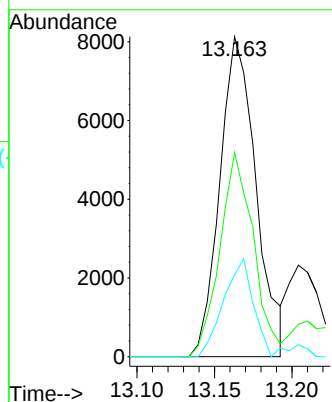
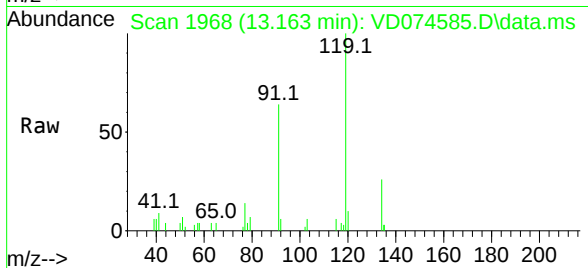




#83
tert-Butylbenzene
Concen: 3.894 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

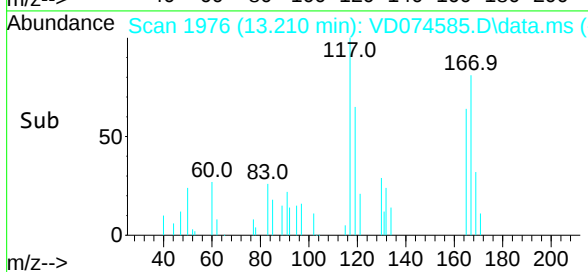
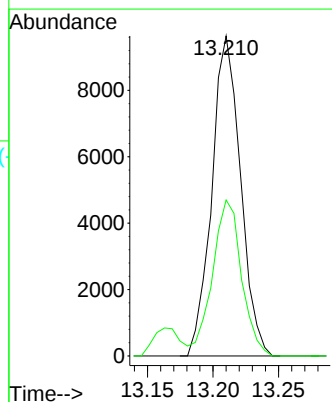
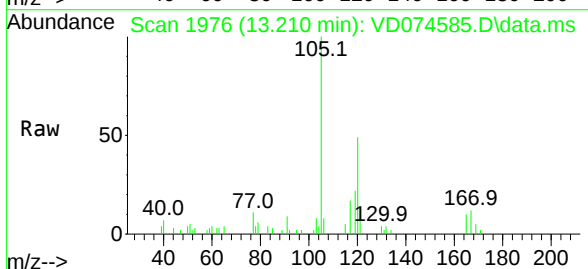
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2022

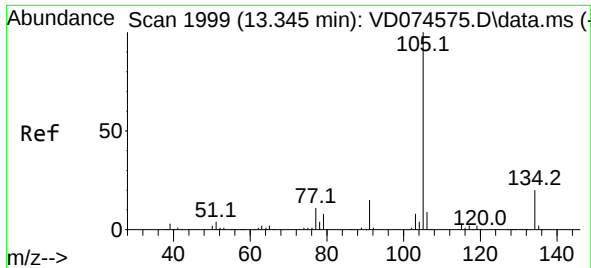
Tgt Ion:	119	Resp:	13215
Ion	Ratio	Lower	Upper
119	100		
91	59.1	30.0	90.0
134	25.9	13.4	40.1



#84
1,2,4-Trimethylbenzene
Concen: 3.918 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:	105	Resp:	14665
Ion	Ratio	Lower	Upper
105	100		
120	49.2	22.9	68.7

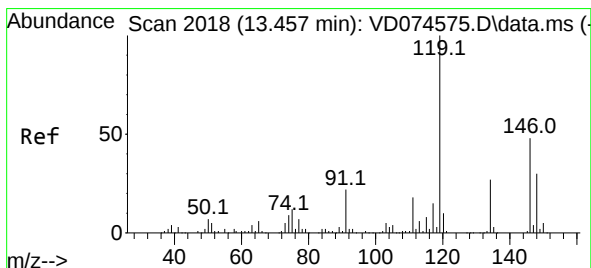
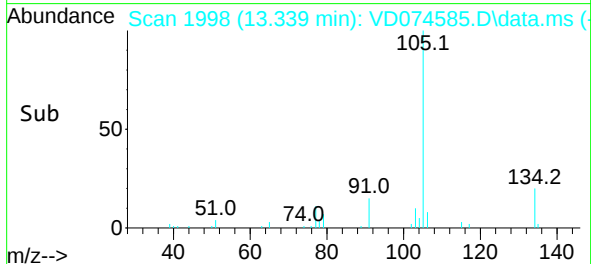
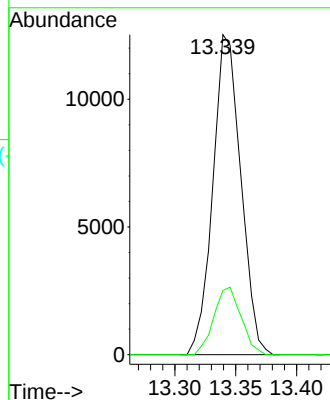
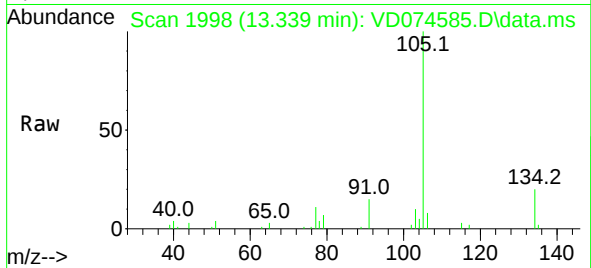




#85
 sec-Butylbenzene
 Concen: 3.923 ug/l
 RT: 13.339 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

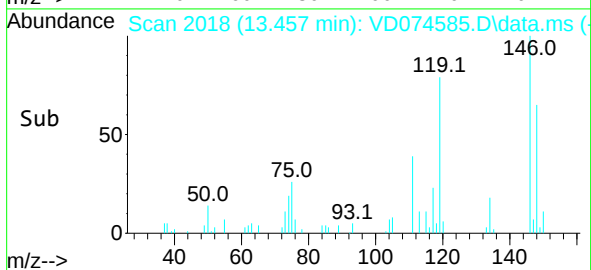
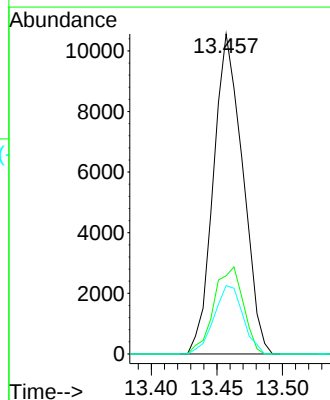
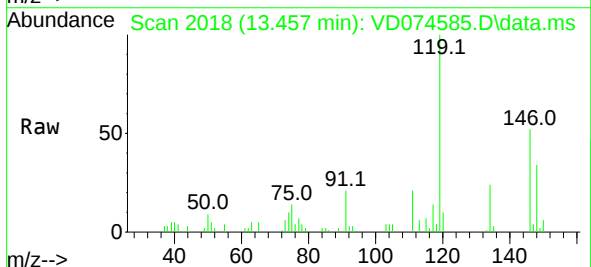
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

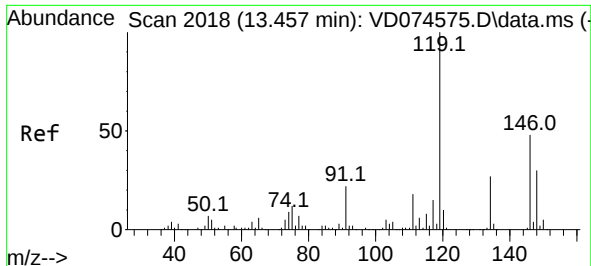
Tgt Ion:105 Resp: 19976
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 3.844 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

Tgt Ion:119 Resp: 16400
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.4
 91 21.0 10.8 32.4

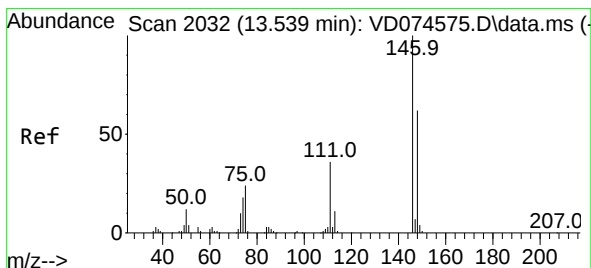
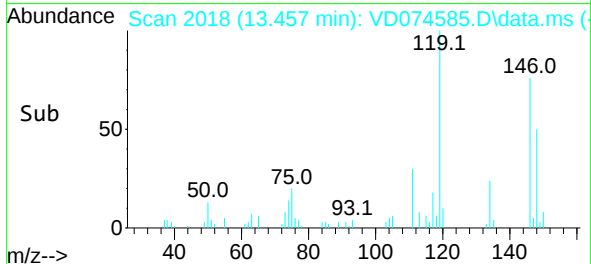
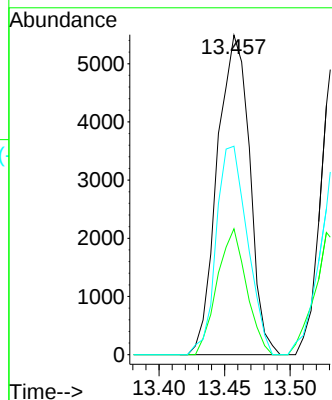
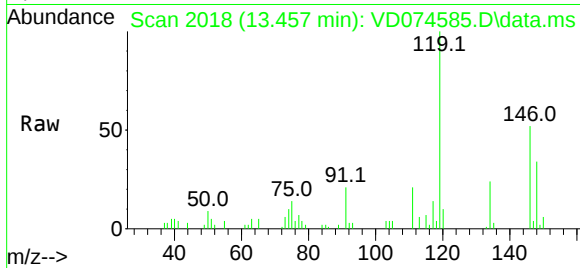




#87
1,3-Dichlorobenzene
Concen: 4.289 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

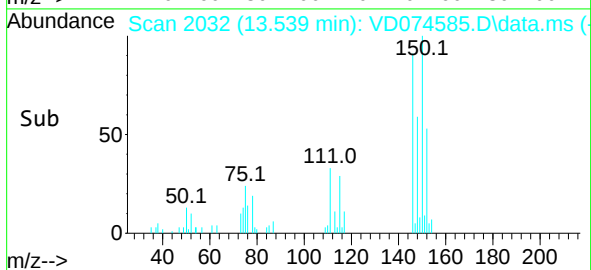
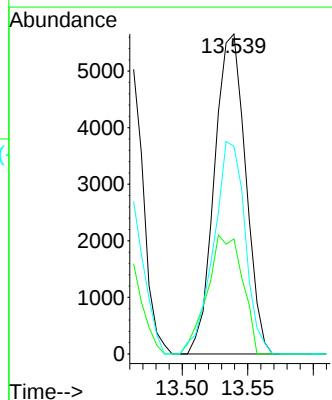
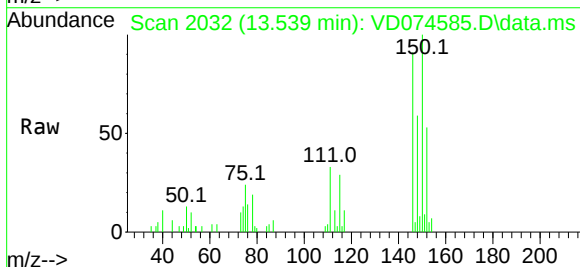
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

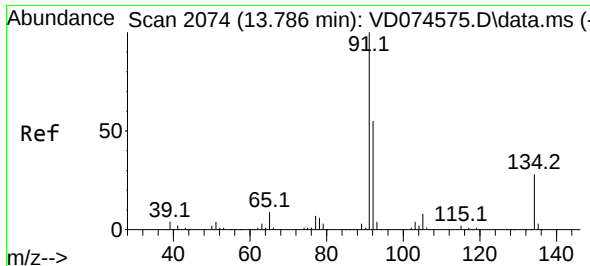
Tgt Ion:146 Resp: 9427
Ion Ratio Lower Upper
146 100
111 35.7 18.3 54.8
148 62.9 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 4.341 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.005 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:146 Resp: 9339
Ion Ratio Lower Upper
146 100
111 41.9 17.7 53.1
148 67.2 32.3 96.9

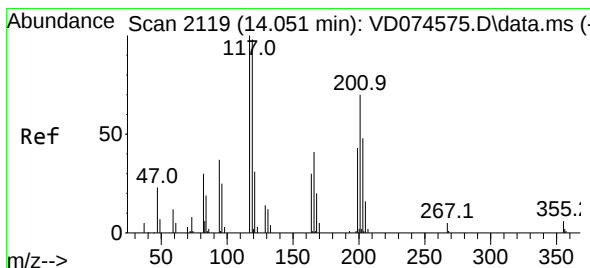
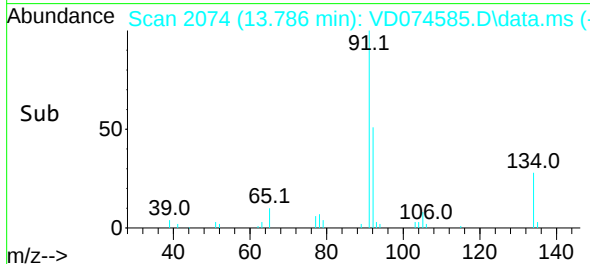
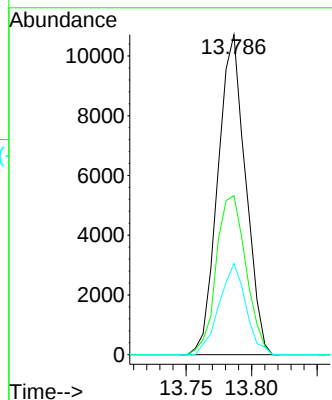
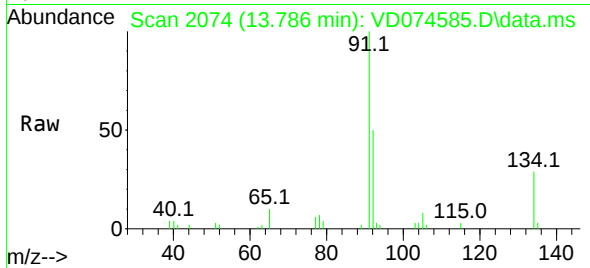




#89
n-Butylbenzene
Concen: 4.038 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.005 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

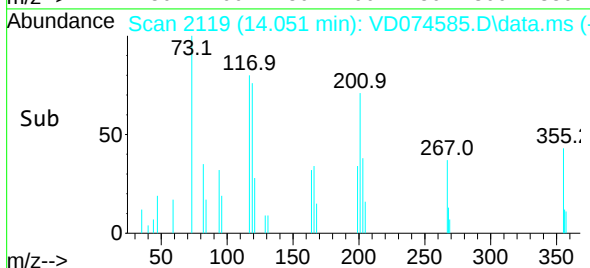
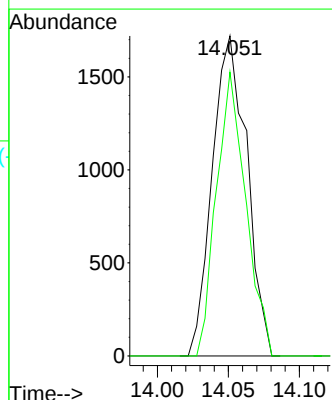
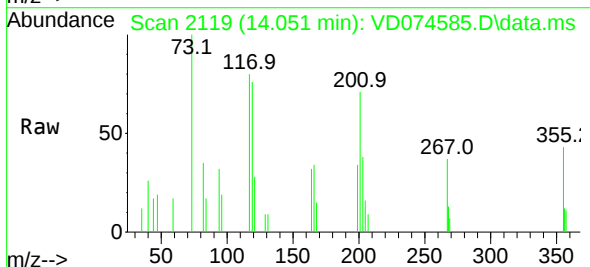
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

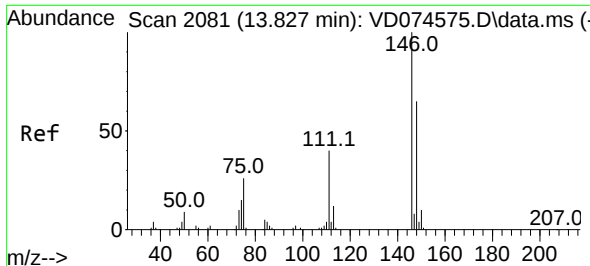
Tgt Ion:	91	Resp:	15694
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	27.5	13.4	40.2



#90
Hexachloroethane
Concen: 3.916 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:	117	Resp:	2908
Ion	Ratio	Lower	Upper
117	100		
201	75.4	38.0	114.0





#91

1,2-Dichlorobenzene

Concen: 4.214 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

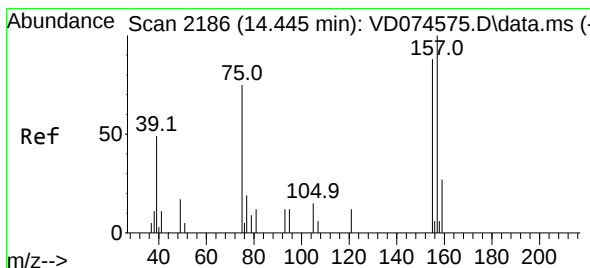
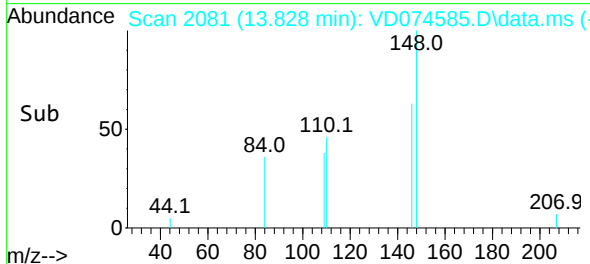
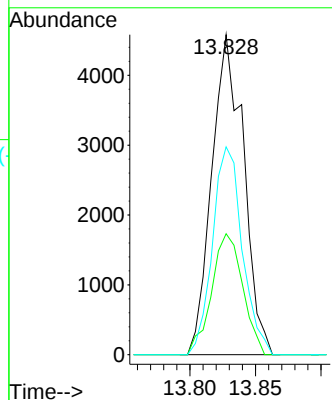
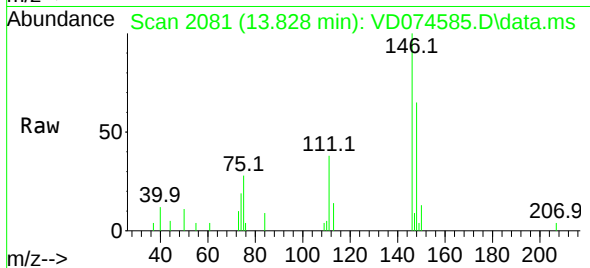
Tgt Ion:146 Resp: 7725

Ion Ratio Lower Upper

146 100

111 36.9 18.9 56.5

148 60.9 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.450 ug/l

RT: 14.433 min Scan# 2184

Delta R.T. -0.006 min

Lab File: VD074585.D

Acq: 19 Oct 2022 18:07

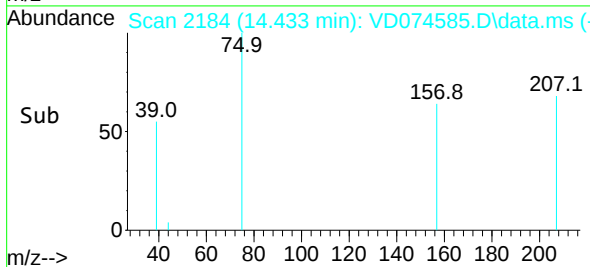
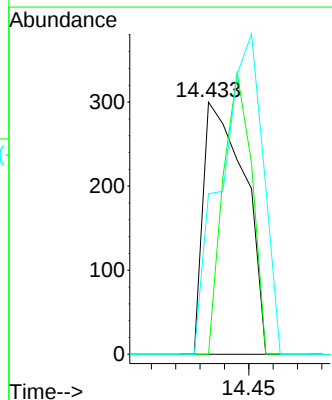
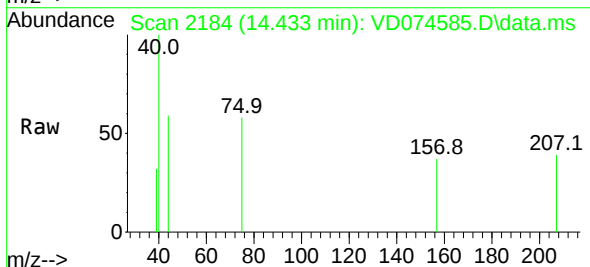
Tgt Ion: 75 Resp: 354

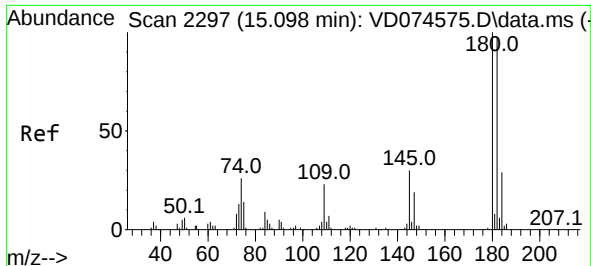
Ion Ratio Lower Upper

75 100

155 77.1 51.2 153.8

157 129.4 68.2 204.5

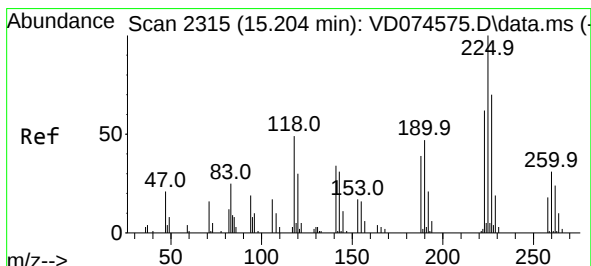
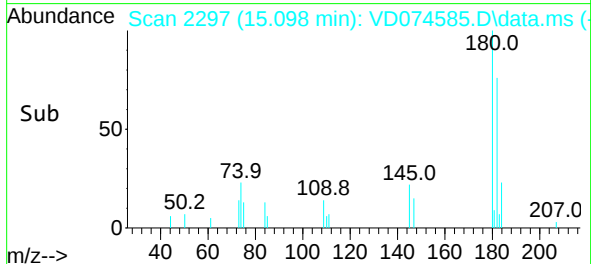
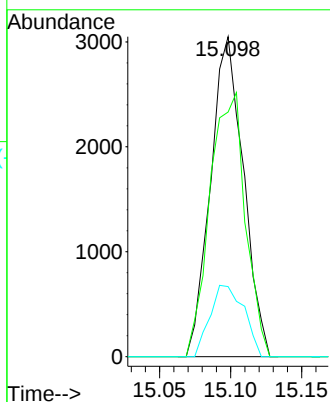
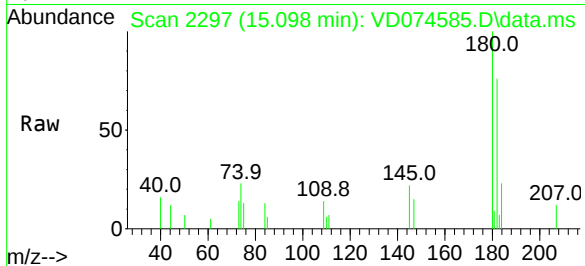




#93
 1,2,4-Trichlorobenzene
 Concen: 4.058 ug/l
 RT: 15.098 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

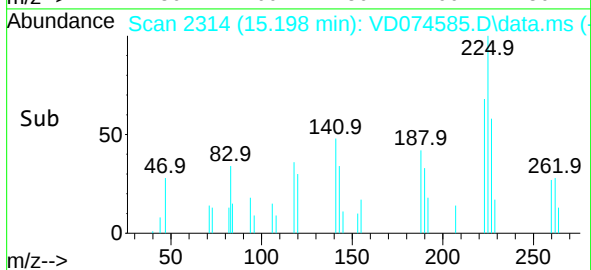
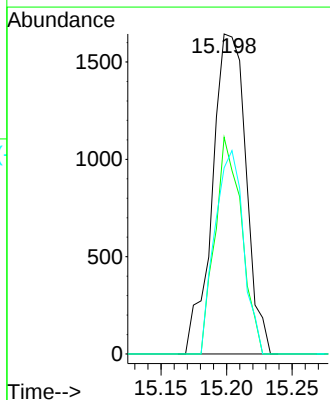
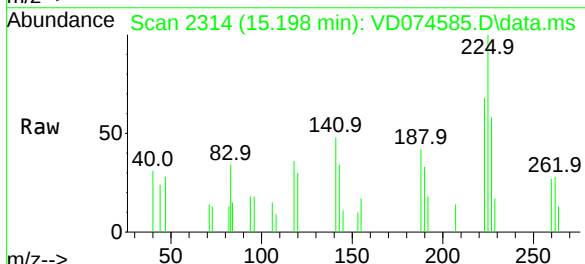
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

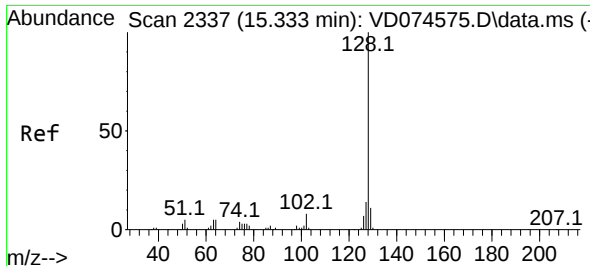
Tgt Ion:180 Resp: 4908
 Ion Ratio Lower Upper
 180 100
 182 88.7 46.9 140.6
 145 23.0 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 4.413 ug/l
 RT: 15.198 min Scan# 2314
 Delta R.T. 0.000 min
 Lab File: VD074585.D
 Acq: 19 Oct 2022 18:07

Tgt Ion:225 Resp: 2936
 Ion Ratio Lower Upper
 225 100
 223 53.4 31.9 95.5
 227 53.8 32.6 97.8

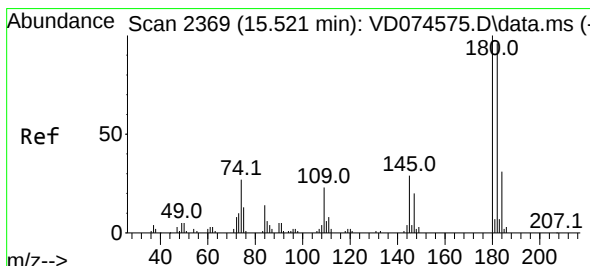
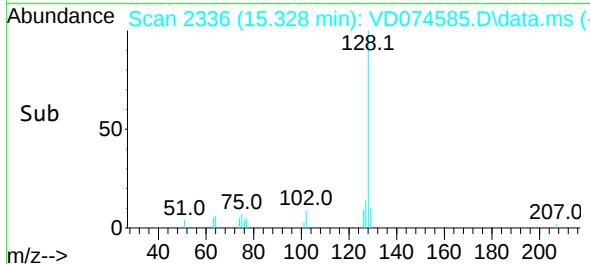
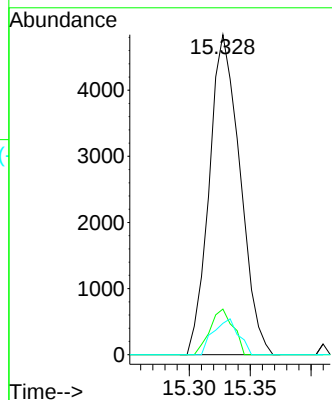
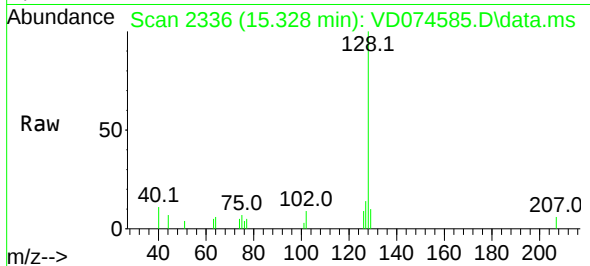




#95
Naphthalene
Concen: 3.742 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:128	Resp:	8519
Ion Ratio	Lower	Upper
128	100	
127	10.7	10.6 16.0
129	9.1	8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 4.043 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD074585.D
Acq: 19 Oct 2022 18:07

Tgt Ion:180	Resp:	4192
Ion Ratio	Lower	Upper
180	100	
182	89.6	46.7 140.1
145	29.9	14.9 44.7

