

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074584.D
 Acq On : 19 Oct 2022 17:39
 Operator : VA/SY
 Sample : N4955-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 20 06:47:06 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	90427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	151779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	126259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33077	47.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.820%
35) Dibromofluoromethane	7.810	113	40626	48.274	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.540%
50) Toluene-d8	10.269	98	135743	44.683	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.360%
62) 4-Bromofluorobenzene	12.575	95	41177	47.000	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.000%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	2280	3.248	ug/l	84
3) Chloromethane	2.146	50	3429	3.609	ug/l	93
4) Vinyl Chloride	2.287	62	3283	3.124	ug/l	91
5) Bromomethane	2.693	94	3098	3.893	ug/l	87
6) Chloroethane	2.840	64	2041	2.825	ug/l	99
7) Trichlorofluoromethane	3.175	101	4315	2.897	ug/l	100
8) Diethyl Ether	3.593	74	1170	2.713	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.958	101	2512	2.615	ug/l	95
10) Methyl Iodide	4.158	142	2472	5.760	ug/l #	91
11) Tert butyl alcohol	5.011	59	6090	Below Cal	#	84
12) 1,1-Dichloroethene	3.940	96	2933	3.053	ug/l #	75
13) Acrolein	3.799	56	655	8.858	ug/l #	71
14) Allyl chloride	4.569	41	2752	2.653	ug/l	94
15) Acrylonitrile	5.263	53	2396	13.592	ug/l #	92
16) Acetone	4.028	43	2174	14.420	ug/l #	74
17) Carbon Disulfide	4.269	76	7898	3.004	ug/l	98
18) Methyl Acetate	4.558	43	1669	1.197	ug/l #	84
19) Methyl tert-butyl Ether	5.316	73	5057	2.694	ug/l	92
20) Methylene Chloride	4.805	84	14251	2.768	ug/l	92
21) trans-1,2-Dichloroethene	5.316	96	3089	2.884	ug/l #	75
22) Diisopropyl ether	6.210	45	5243	2.504	ug/l #	85
23) Vinyl Acetate	6.163	43	7744	8.459	ug/l	95
24) 1,1-Dichloroethane	6.110	63	4464	2.747	ug/l #	78
25) 2-Butanone	7.081	43	3320	16.468	ug/l	91
26) 2,2-Dichloropropane	7.069	77	5224	3.364	ug/l #	68
27) cis-1,2-Dichloroethene	7.069	96	3291	2.771	ug/l	91
28) Bromochloromethane	7.422	49	1167	5.758	ug/l #	93
29) Tetrahydrofuran	7.452	42	1592	14.479	ug/l #	83
30) Chloroform	7.593	83	4906	2.806	ug/l	96
31) Cyclohexane	7.869	56	5268	3.799	ug/l #	84
32) 1,1,1-Trichloroethane	7.799	97	4479	2.794	ug/l	99
36) 1,1-Dichloropropene	8.010	75	3914	2.871	ug/l	95
37) Ethyl Acetate	7.175	43	1085	2.522	ug/l #	66
38) Carbon Tetrachloride	7.999	117	2804	2.100	ug/l	99
39) Methylcyclohexane	9.269	83	3985	2.446	ug/l	92
40) Benzene	8.257	78	11640	2.876	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	771	3.326	ug/l #	37
42) 1,2-Dichloroethane	8.328	62	2774	2.971	ug/l	82
43) Isopropyl Acetate	8.363	43	1967	2.460	ug/l #	84
44) Trichloroethene	9.028	130	3251	2.742	ug/l	91
45) 1,2-Dichloropropane	9.310	63	2265	2.550	ug/l	96
46) Dibromomethane	9.399	93	1295	2.527	ug/l	91
47) Bromodichloromethane	9.587	83	3089	2.436	ug/l #	92
48) Methyl methacrylate	9.387	41	986	2.699	ug/l #	89
49) 1,4-Dioxane	9.393	88	248	49.172	ug/l #	32
51) 4-Methyl-2-Pentanone	10.157	43	4559	11.464	ug/l	99
52) Toluene	10.334	92	6718	2.692	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	2621	2.351	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	3177	2.260	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	1834	2.605	ug/l #	83
56) Ethyl methacrylate	10.593	69	2021	2.626	ug/l	92
57) 1,3-Dichloropropane	10.881	76	2834	2.481	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.869	63	1289	43.687	ug/l #	71
59) 2-Hexanone	10.922	43	3215	11.845	ug/l	99
60) Dibromochloromethane	11.069	129	2215	2.610	ug/l	90
61) 1,2-Dibromoethane	11.181	107	1592	2.477	ug/l	96
64) Tetrachloroethene	10.810	164	2756	2.953	ug/l	92
65) Chlorobenzene	11.610	112	7338	2.759	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	2251	2.464	ug/l	88
67) Ethyl Benzene	11.681	91	11810	2.550	ug/l	100
68) m/p-Xylenes	11.793	106	9363	5.085	ug/l	94
69) o-Xylene	12.122	106	4169	2.433	ug/l	98
70) Styrene	12.134	104	7223	2.503	ug/l	97
71) Bromoform	12.298	173	1105	2.303	ug/l #	92
73) Isopropylbenzene	12.416	105	11472	2.534	ug/l	99
74) N-amyl acetate	12.228	43	1731	2.586	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.669	83	1931	2.694	ug/l #	96
76) 1,2,3-Trichloropropane	12.716	75	2115	4.172	ug/l	31
77) Bromobenzene	12.698	156	2873	2.811	ug/l	98
78) n-propylbenzene	12.763	91	13498	2.522	ug/l	99
79) 2-Chlorotoluene	12.845	91	7682	2.650	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	9129	2.484	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.575	75	19961	100.621	ug/l #	17
82) 4-Chlorotoluene	12.945	91	8019	2.692	ug/l	95
83) tert-Butylbenzene	13.163	119	7992	2.437	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	8527	2.357	ug/l	97
85) sec-Butylbenzene	13.345	105	12226	2.485	ug/l	96
86) p-Isopropyltoluene	13.463	119	9691	2.351	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	5674	2.672	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	5989	2.881	ug/l	88
89) n-Butylbenzene	13.787	91	9543	2.541	ug/l	94
90) Hexachloroethane	14.051	117	1596	2.224	ug/l	95
91) 1,2-Dichlorobenzene	13.828	146	5197	2.934	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.439	75	130	1.311	ug/l #	44
93) 1,2,4-Trichlorobenzene	15.098	180	3472	2.971	ug/l	94
94) Hexachlorobutadiene	15.198	225	1540	2.395	ug/l	91
95) Naphthalene	15.334	128	6641	3.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	2713	2.708	ug/l	98

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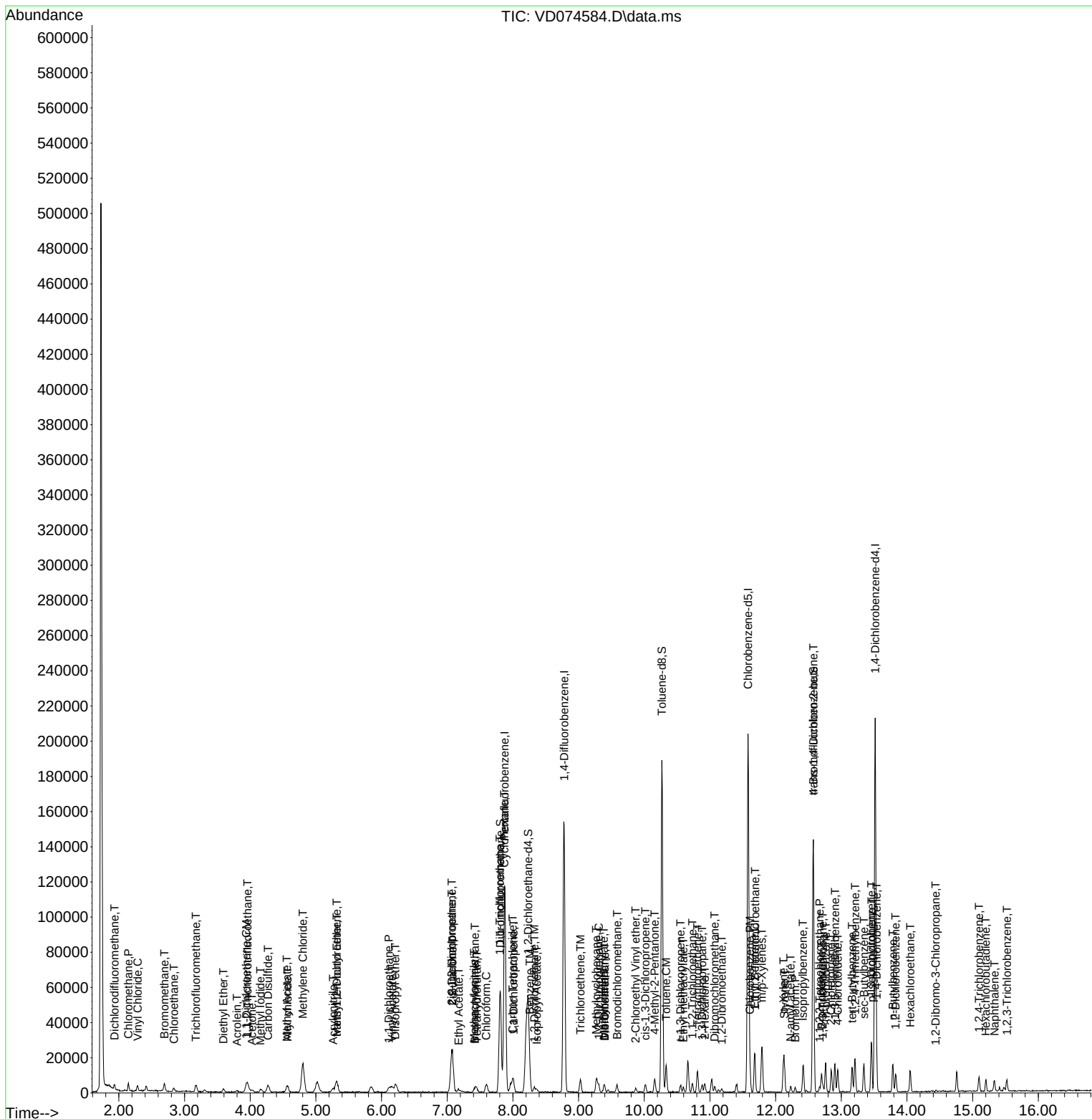
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

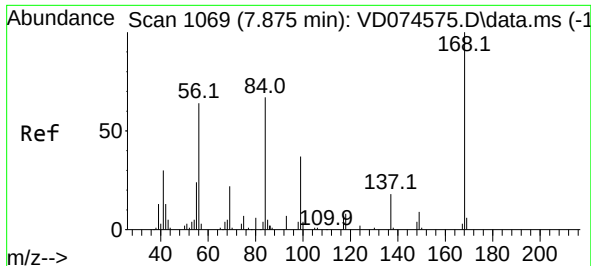
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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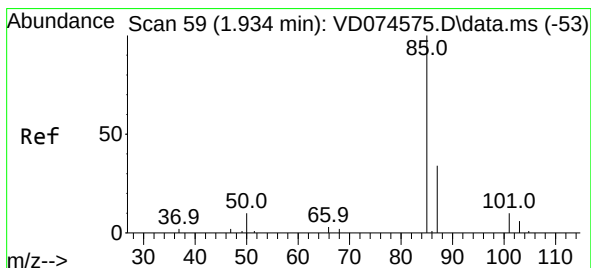
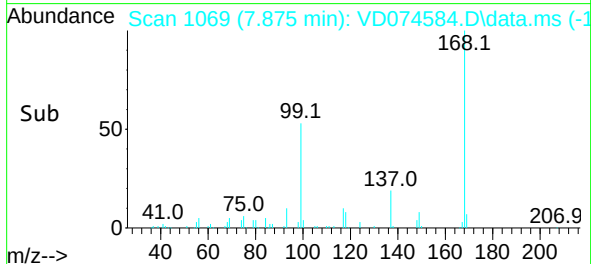
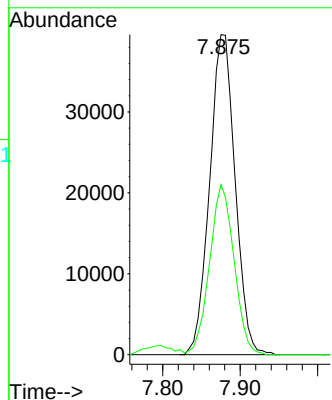
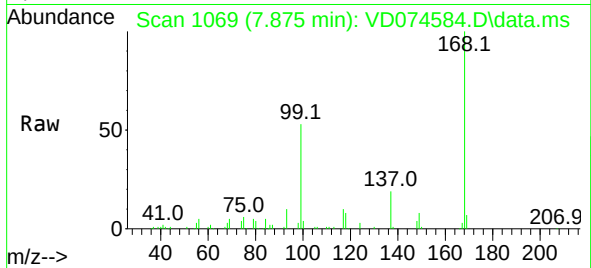




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074584.D
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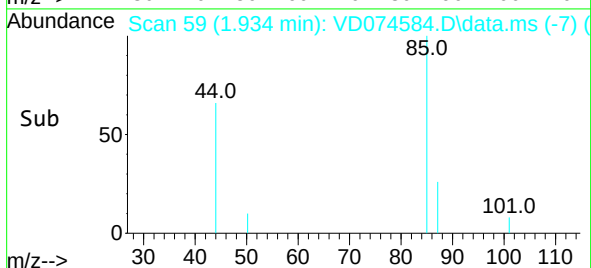
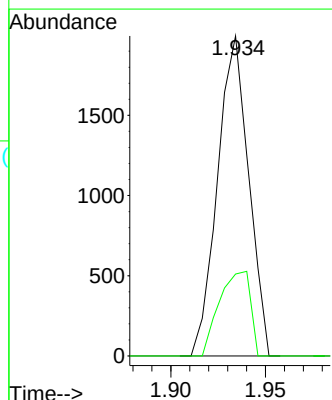
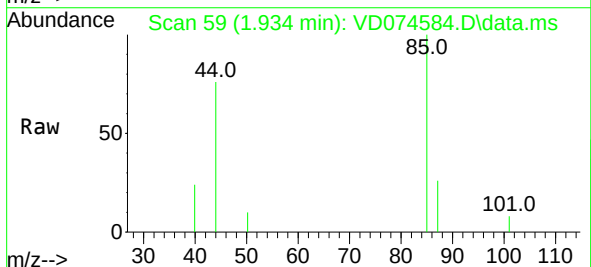
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2022

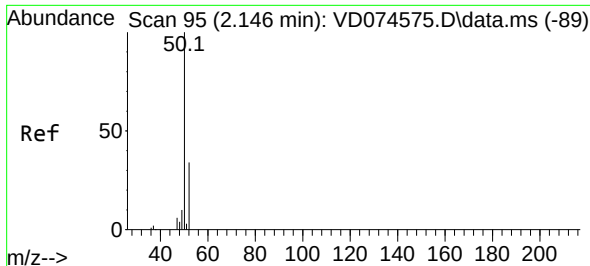
Tgt Ion:168 Resp: 90427
Ion Ratio Lower Upper
168 100
99 53.1 40.9 61.3



#2
Dichlorodifluoromethane
Concen: 3.248 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 85 Resp: 2280
Ion Ratio Lower Upper
85 100
87 25.6 17.5 52.6

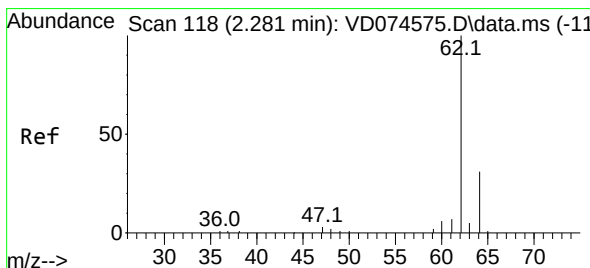
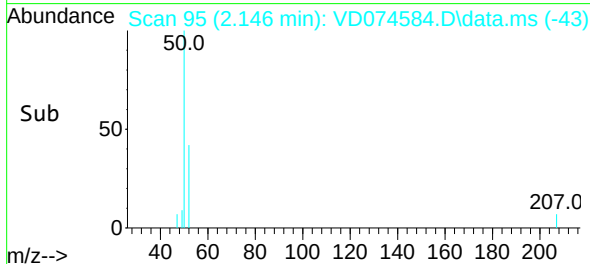
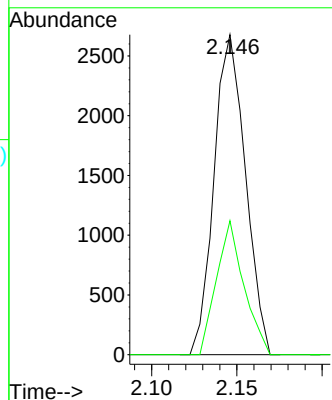
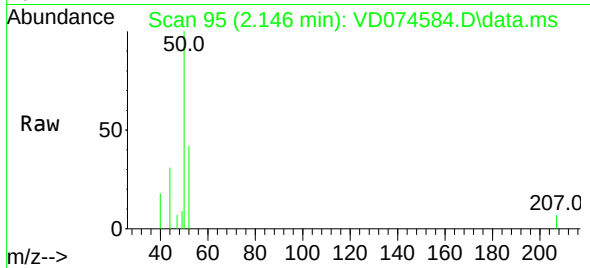




#3
Chloromethane
Concen: 3.609 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

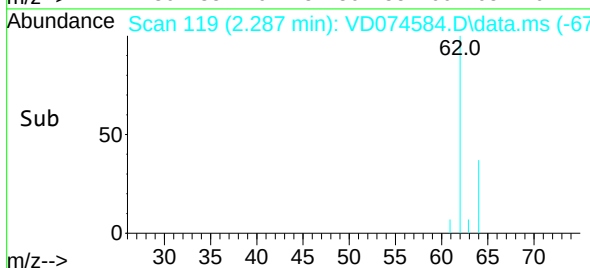
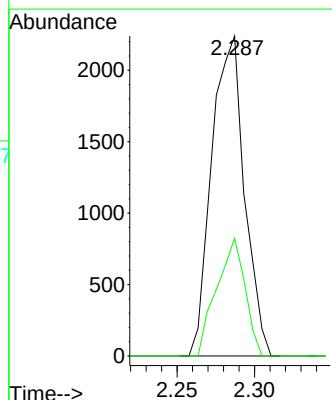
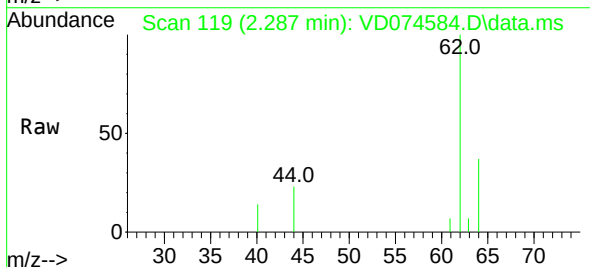
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2022

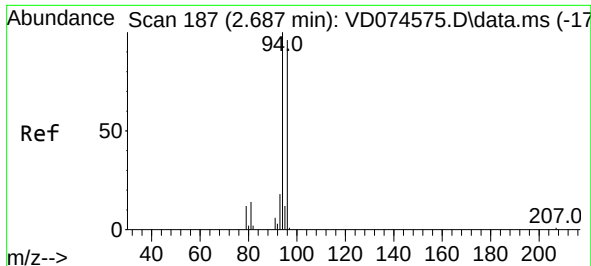
Tgt Ion: 50 Resp: 3429
Ion Ratio Lower Upper
50 100
52 41.9 30.0 45.0



#4
Vinyl Chloride
Concen: 3.124 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 62 Resp: 3283
Ion Ratio Lower Upper
62 100
64 36.8 25.5 38.3

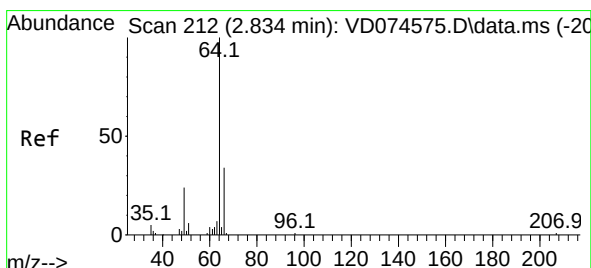
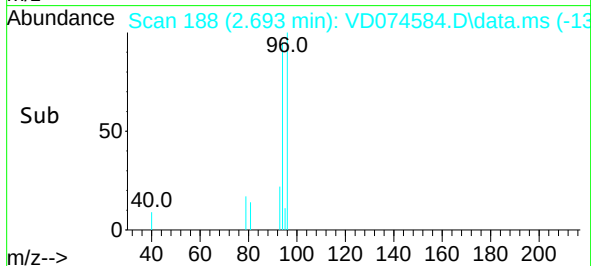
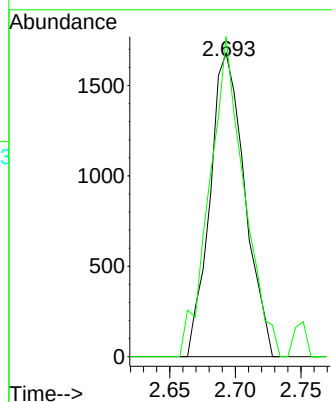
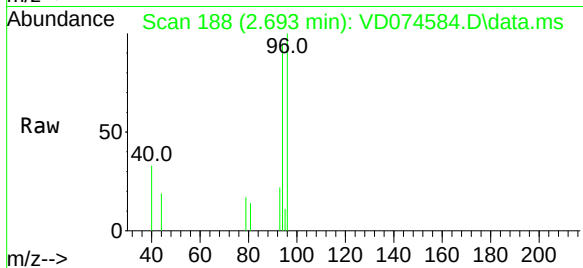




#5
Bromomethane
Concen: 3.893 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

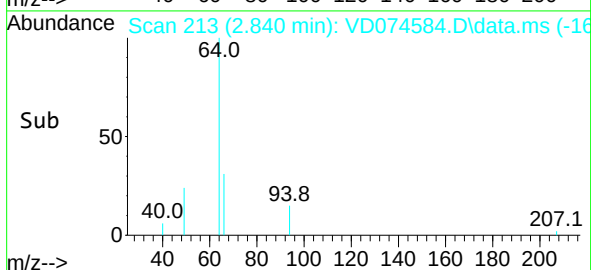
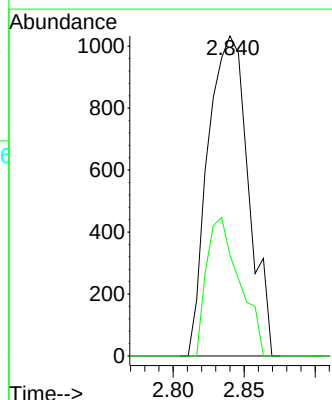
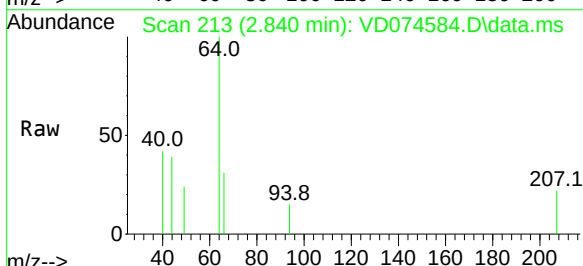
Instrument :
MSVOA_D
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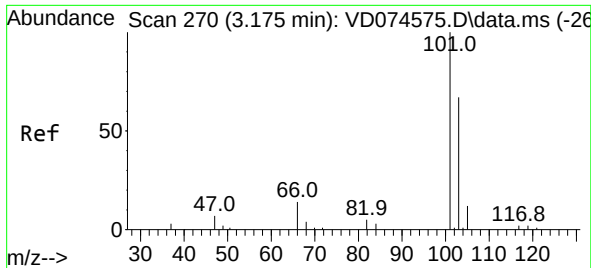
Tgt Ion: 94 Resp: 3098
Ion Ratio Lower Upper
94 100
96 105.4 74.6 112.0



#6
Chloroethane
Concen: 2.825 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.012 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 64 Resp: 2041
Ion Ratio Lower Upper
64 100
66 31.5 25.8 38.8

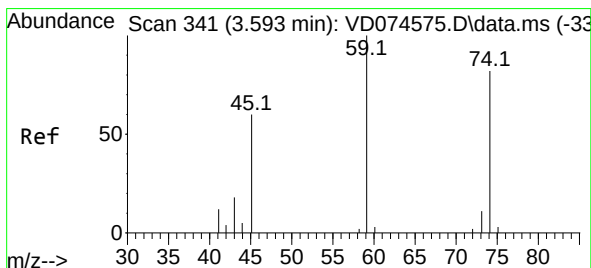
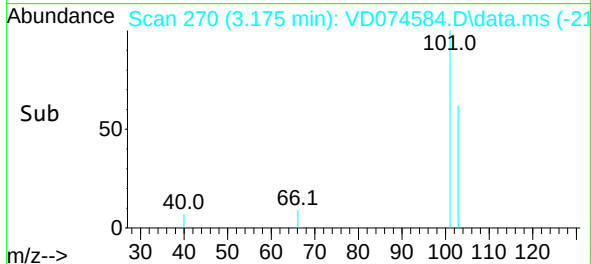
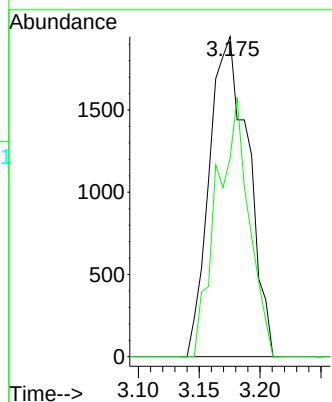
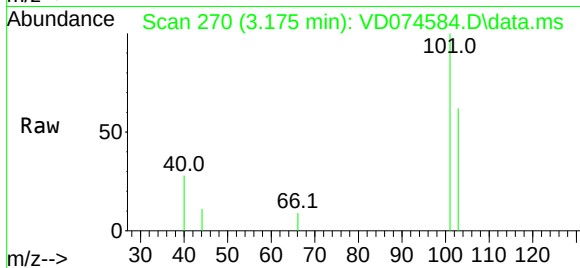




#7
Trichlorofluoromethane
Concen: 2.897 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

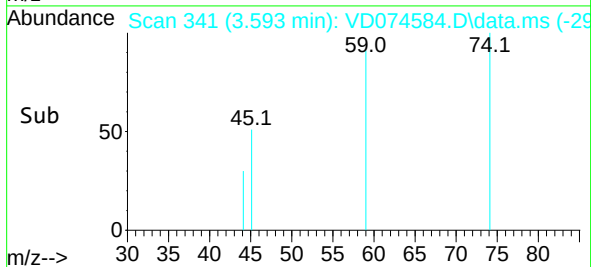
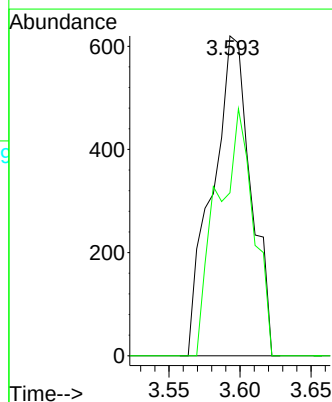
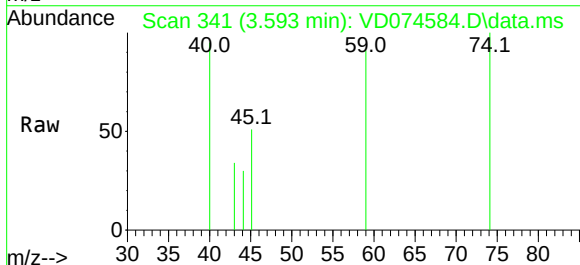
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

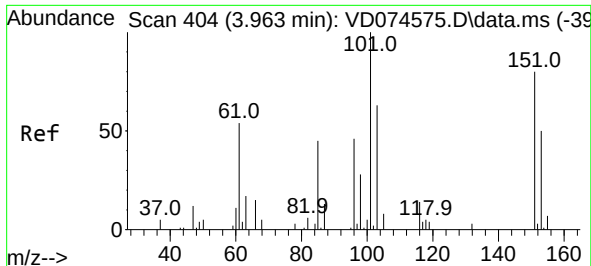
Tgt Ion:101 Resp: 4315
Ion Ratio Lower Upper
101 100
103 62.1 49.8 74.8



#8
Diethyl Ether
Concen: 2.713 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 74 Resp: 1170
Ion Ratio Lower Upper
74 100
45 72.3 37.9 113.6

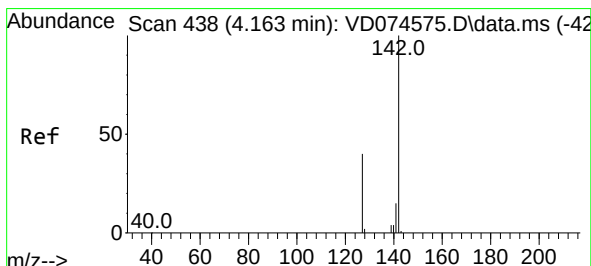
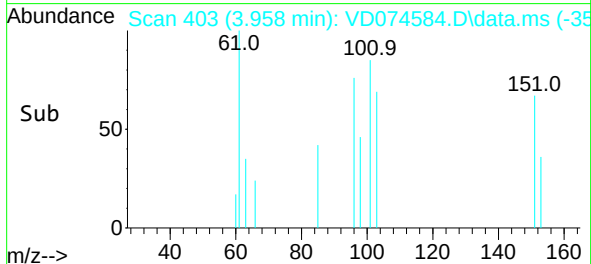
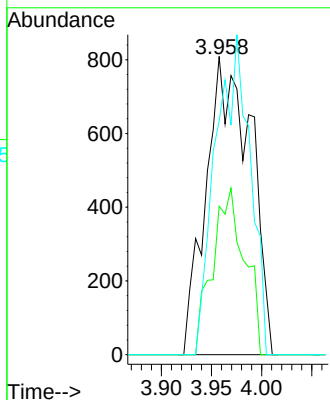
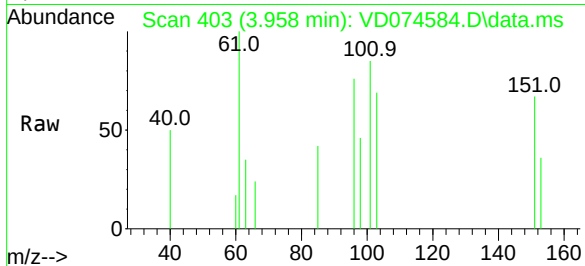




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.615 ug/l
RT: 3.958 min Scan# 404
Delta R.T. -0.005 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

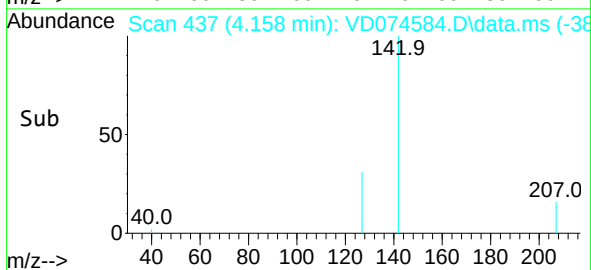
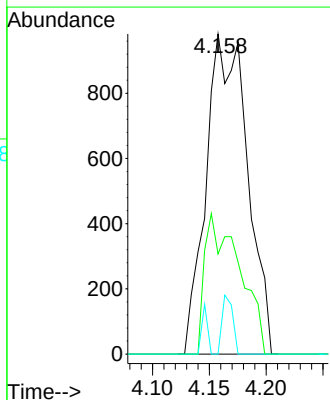
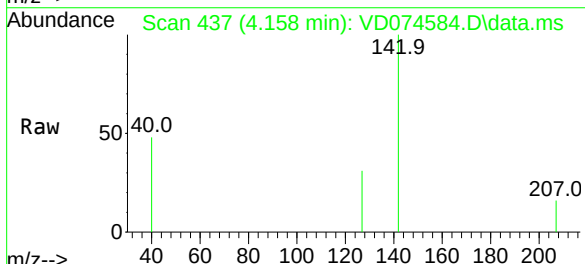
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

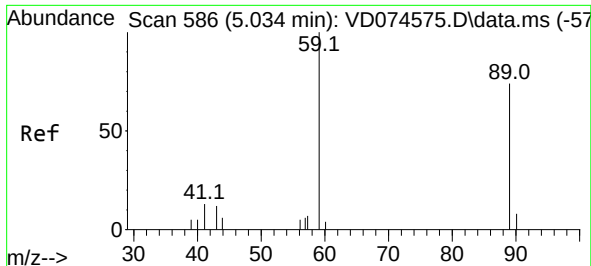
Tgt Ion:	101	Resp:	2512
Ion	Ratio	Lower	Upper
101	100		
85	40.1	34.1	51.1
151	82.2	61.7	92.5



#10
Methyl Iodide
Concen: 5.760 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:	142	Resp:	2472
Ion	Ratio	Lower	Upper
142	100		
127	37.3	31.9	47.9
141	4.7	11.4	17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.011 min Scan# 51

Delta R.T. -0.041 min

Lab File: VD074584.D

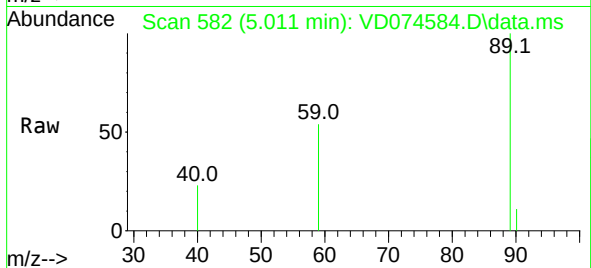
Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

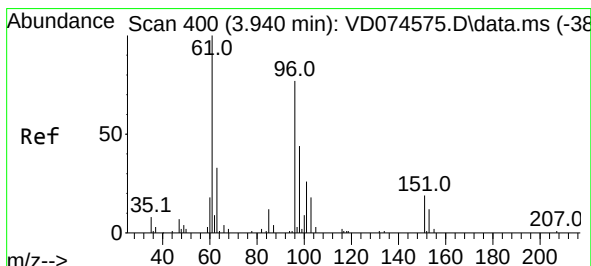
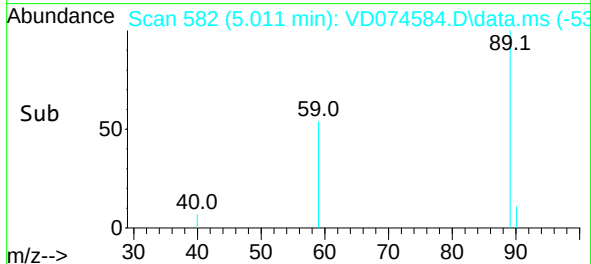
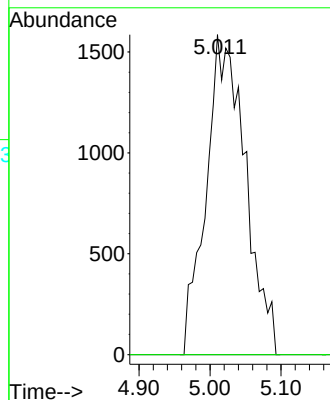


Tgt Ion: 59 Resp: 6090

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#12

1,1-Dichloroethene

Concen: 3.053 ug/l

RT: 3.940 min Scan# 400

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

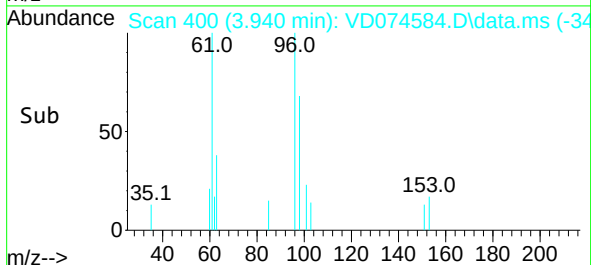
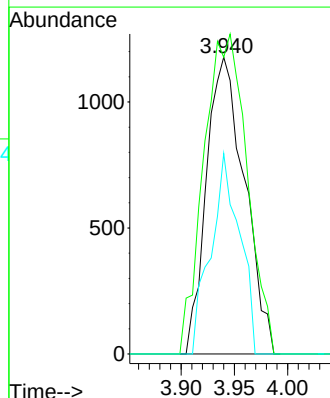
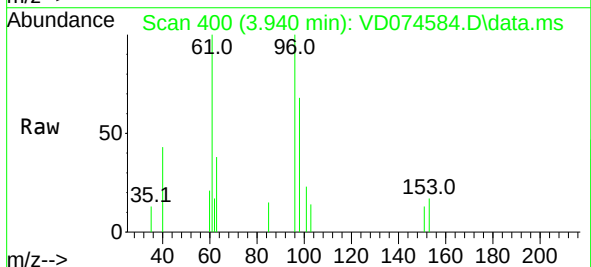
Tgt Ion: 96 Resp: 2933

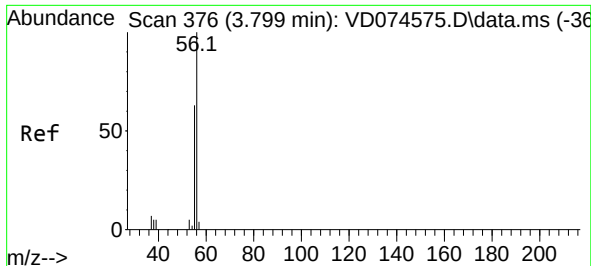
Ion Ratio Lower Upper

96 100

61 99.9 113.9 170.9#

98 67.6 51.8 77.8





#13

Acrolein

Concen: 8.858 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

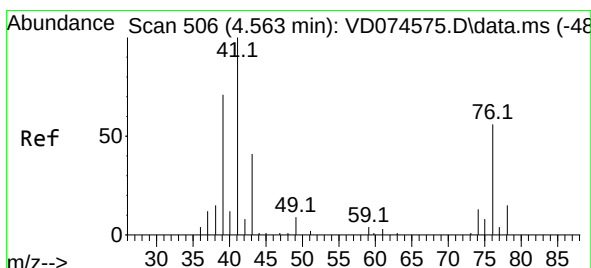
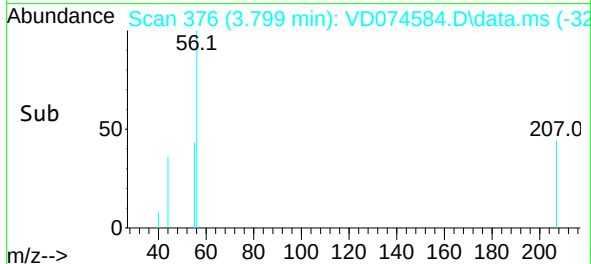
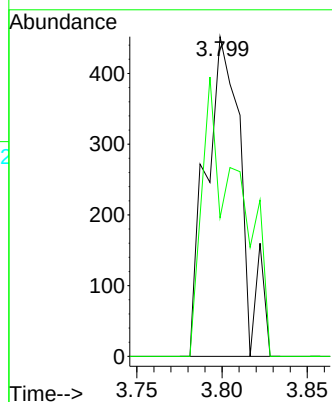
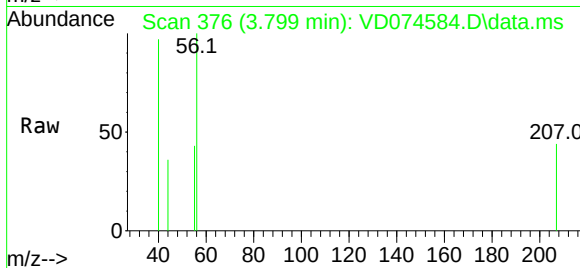
MDL-SOIL-03-QT4-2022

Tgt Ion: 56 Resp: 655

Ion Ratio Lower Upper

56 100

55 91.1 54.0 81.0#



#14

Allyl chloride

Concen: 2.653 ug/l

RT: 4.569 min Scan# 507

Delta R.T. 0.017 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

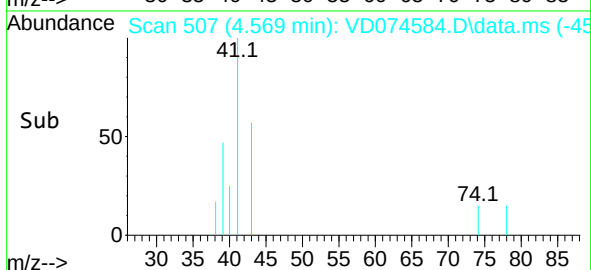
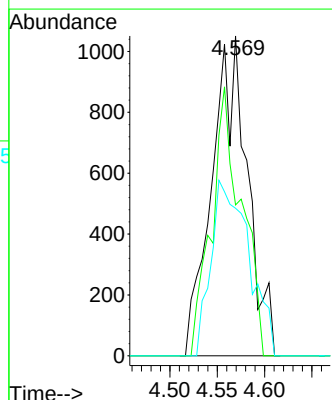
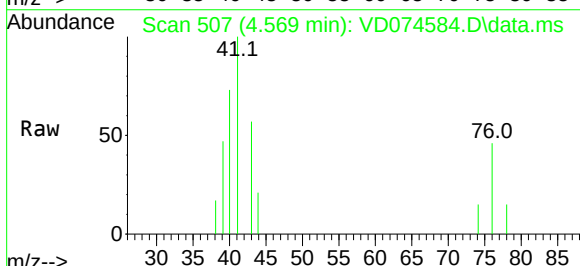
Tgt Ion: 41 Resp: 2752

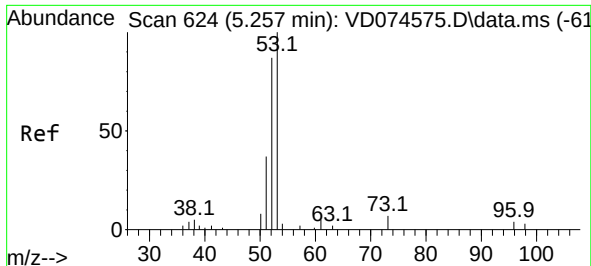
Ion Ratio Lower Upper

41 100

39 71.1 53.4 80.2

76 58.1 42.4 63.6

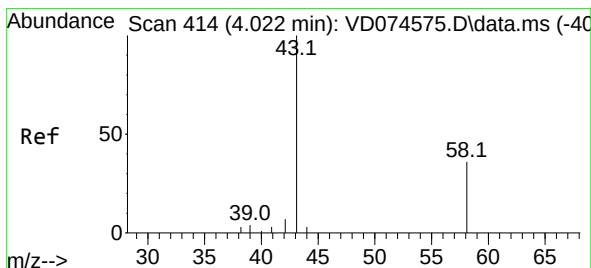
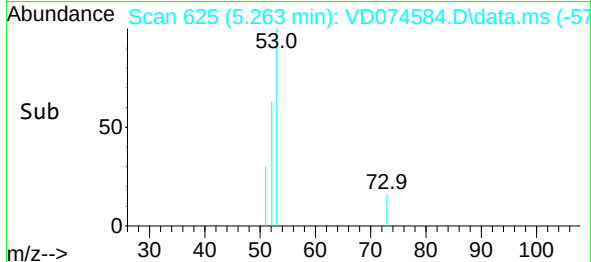
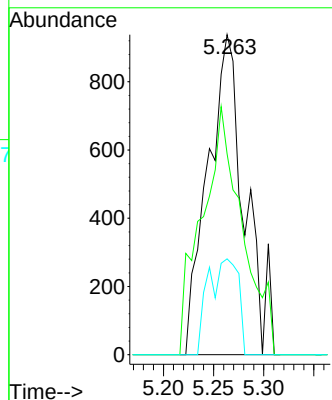
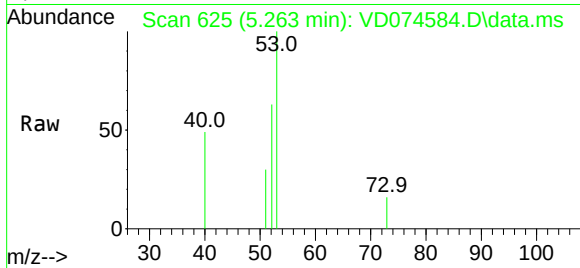




#15
Acrylonitrile
Concen: 13.592 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

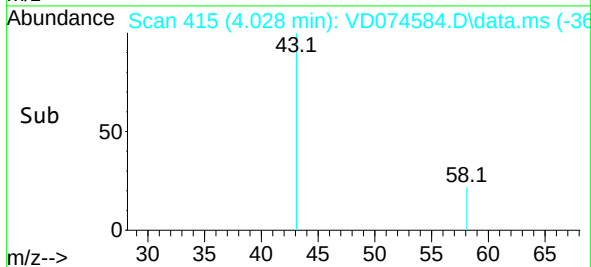
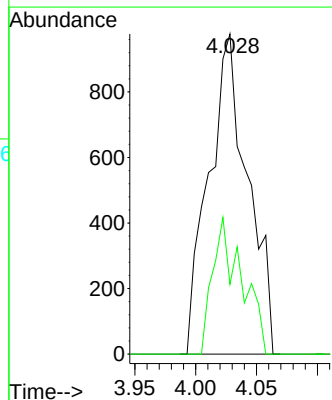
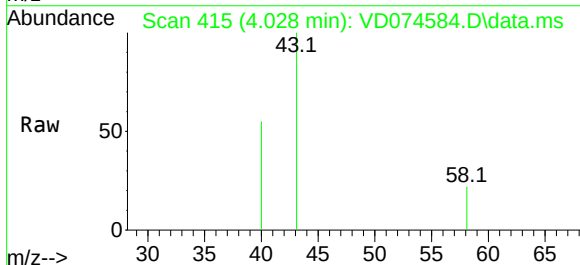
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

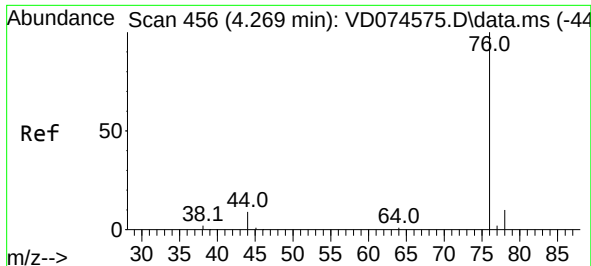
Tgt Ion: 53	Resp:	2396
Ion Ratio	Lower	Upper
53	100	
52	85.1	66.0 99.0
51	24.4	28.3 42.5#



#16
Acetone
Concen: 14.420 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 43	Resp:	2174
Ion Ratio	Lower	Upper
43	100	
58	21.8	30.2 45.2#

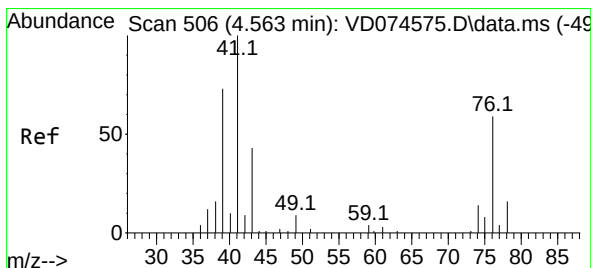
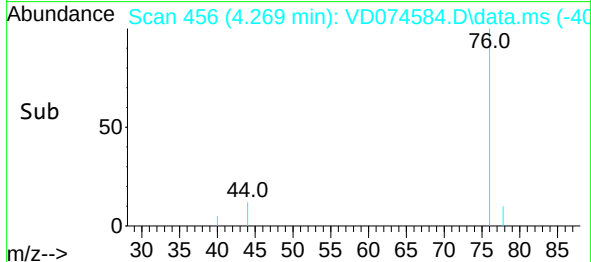
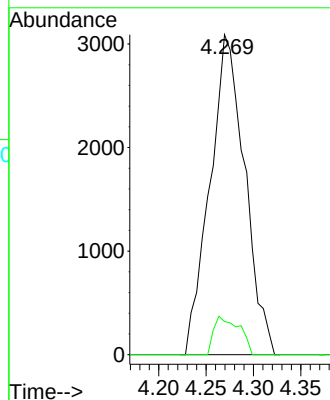
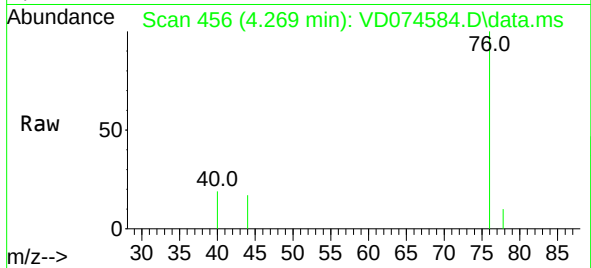




#17
Carbon Disulfide
Concen: 3.004 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

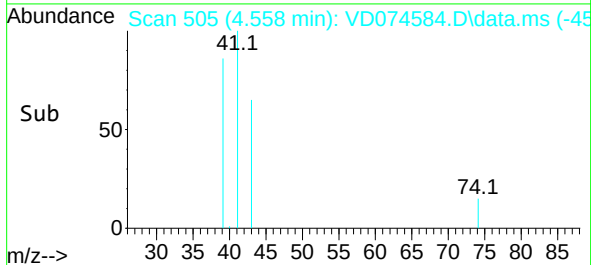
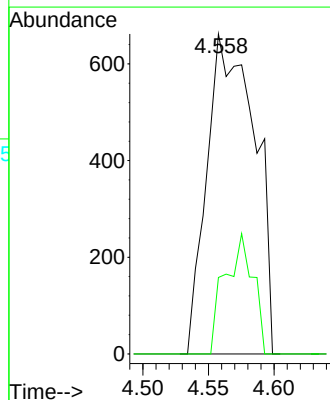
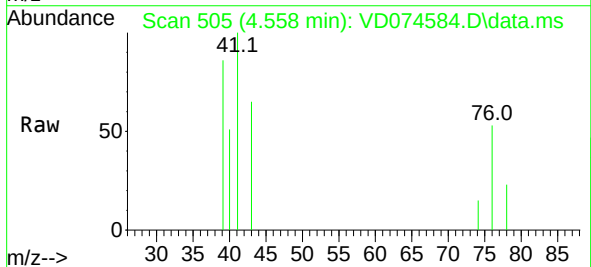
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

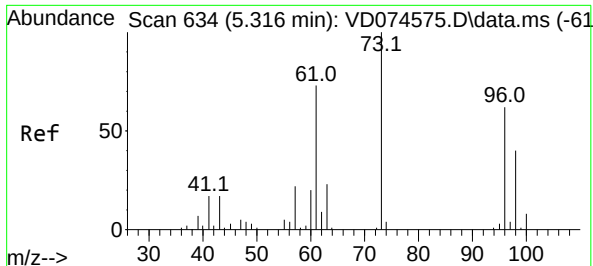
Tgt Ion: 76 Resp: 7898
Ion Ratio Lower Upper
76 100
78 10.4 7.8 11.8



#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 43 Resp: 1669
Ion Ratio Lower Upper
43 100
74 22.2 24.7 37.1#





#19

Methyl tert-butyl Ether

Concen: 2.694 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

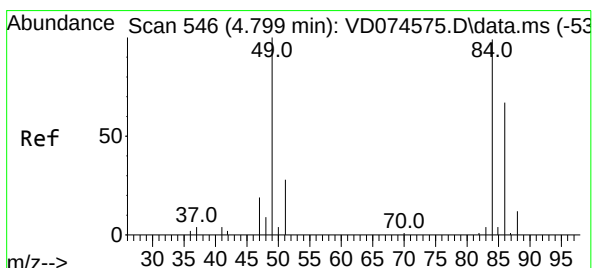
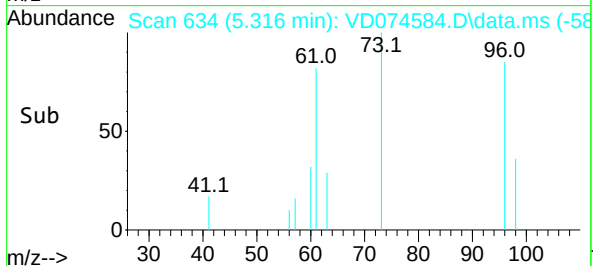
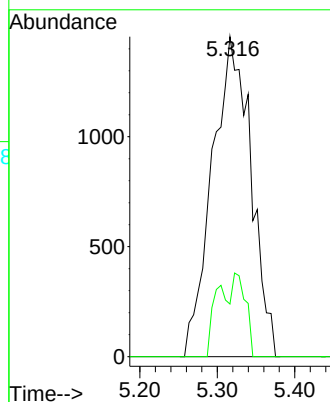
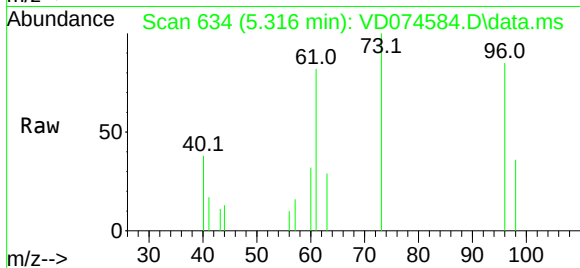
MDL-SOIL-03-QT4-2022

Tgt Ion: 73 Resp: 5057

Ion Ratio Lower Upper

73 100

57 16.4 16.1 24.1



#20

Methylene Chloride

Concen: 2.768 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Tgt Ion: 84 Resp: 14251

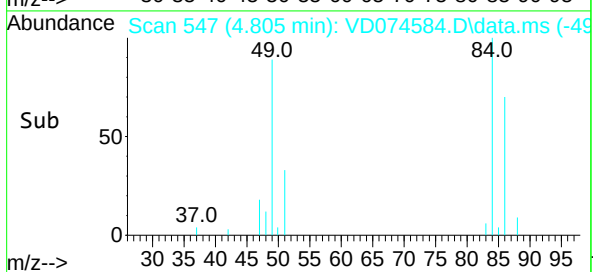
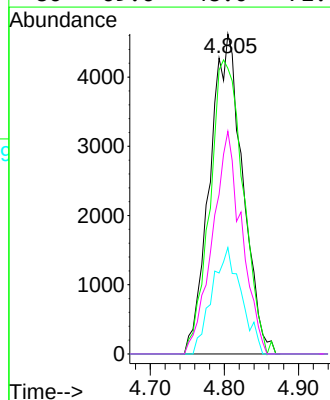
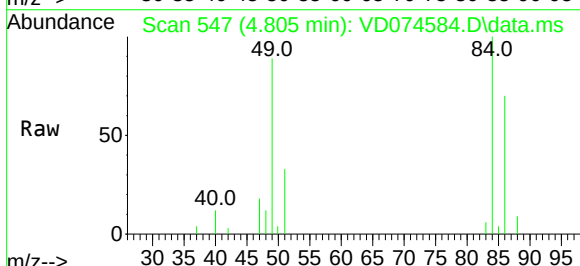
Ion Ratio Lower Upper

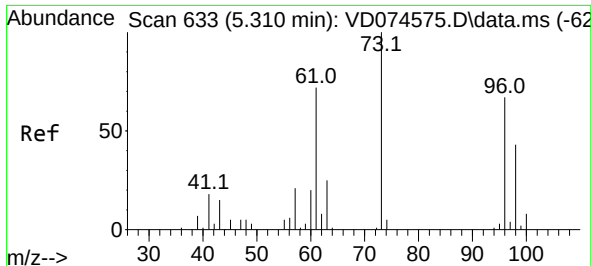
84 100

49 89.3 68.0 102.0

51 33.2 23.2 34.8

86 69.6 48.0 72.0

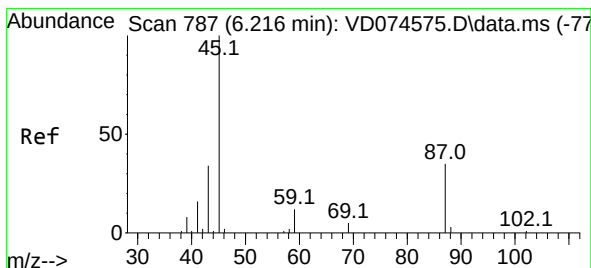
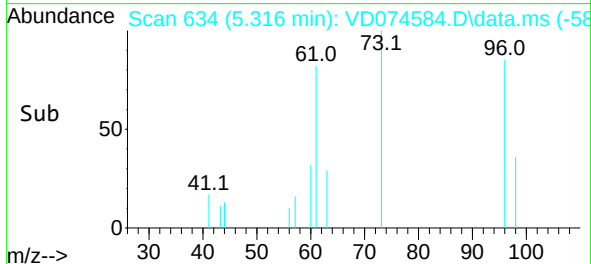
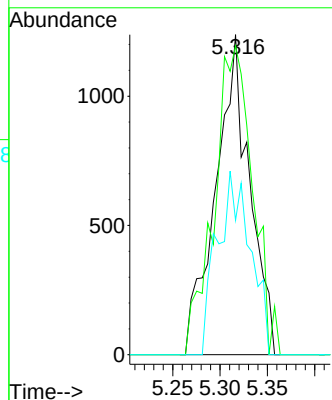
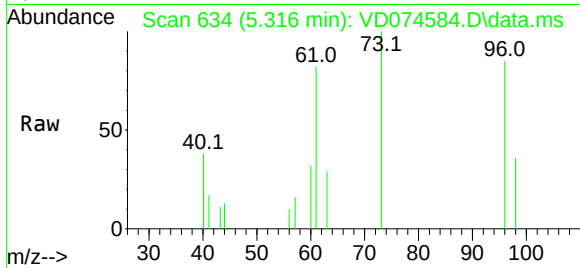




#21
trans-1,2-Dichloroethene
Concen: 2.884 ug/l
RT: 5.316 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

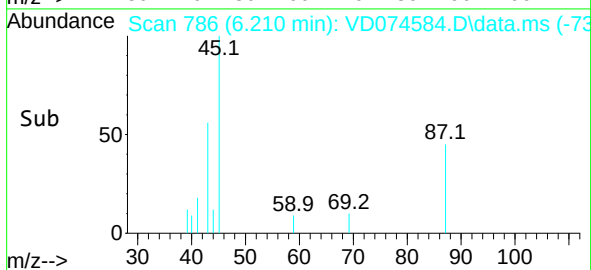
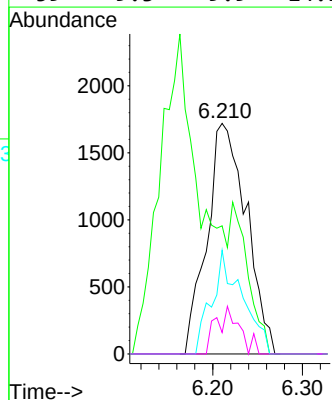
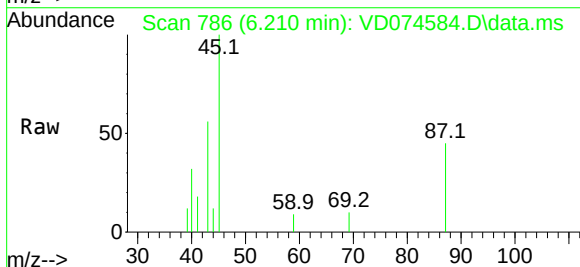
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

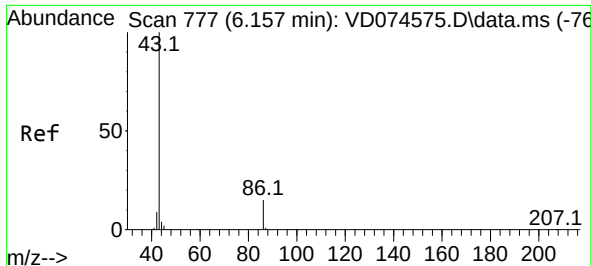
Tgt Ion: 96 Resp: 3089
Ion Ratio Lower Upper
96 100
61 96.5 95.7 143.5
98 42.0 54.8 82.2#



#22
Diisopropyl ether
Concen: 2.504 ug/l
RT: 6.210 min Scan# 786
Delta R.T. -0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 45 Resp: 5243
Ion Ratio Lower Upper
45 100
43 55.6 37.8 56.6
87 44.9 26.6 40.0#
59 9.3 9.9 14.9#

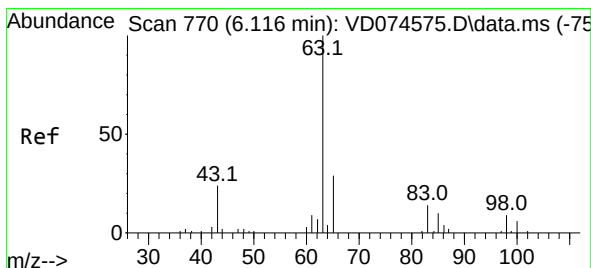
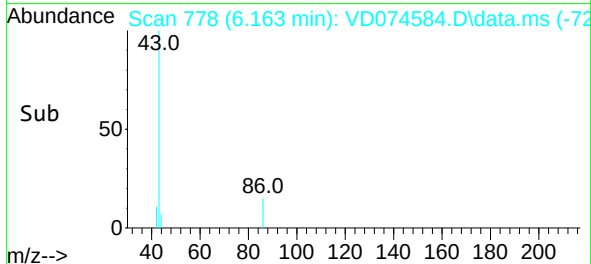
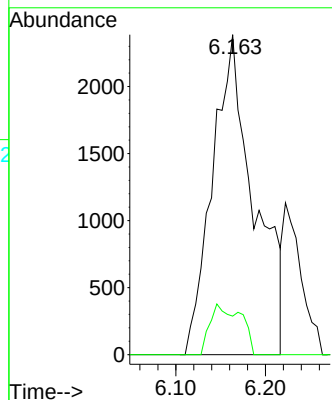
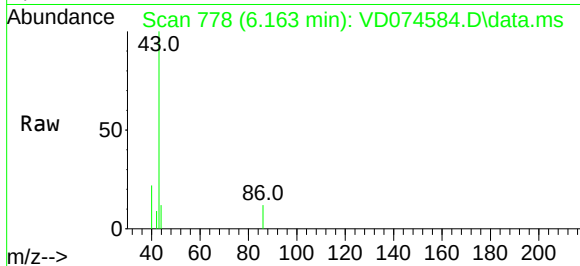




#23
 Vinyl Acetate
 Concen: 8.459 ug/l
 RT: 6.163 min Scan# 777
 Delta R.T. 0.006 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

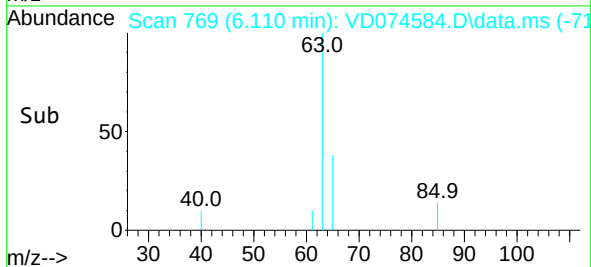
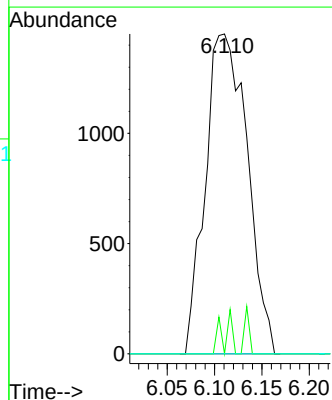
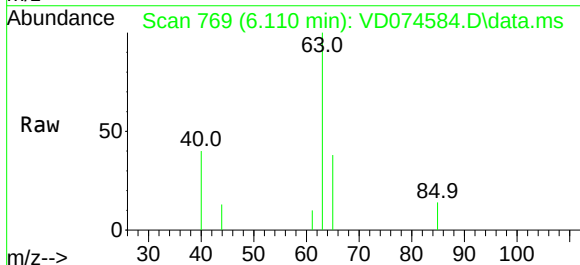
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

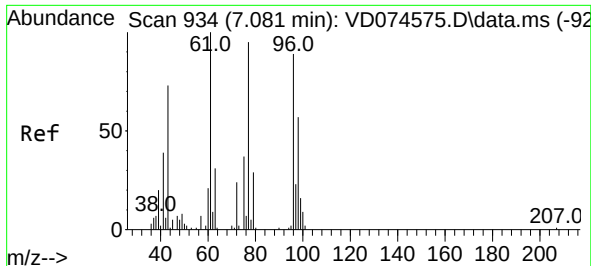
Tgt Ion: 43 Resp: 7744
 Ion Ratio Lower Upper
 43 100
 86 12.0 11.2 16.8



#24
 1,1-Dichloroethane
 Concen: 2.747 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

Tgt Ion: 63 Resp: 4464
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.6 13.8#
 100 0.0 2.9 8.6#

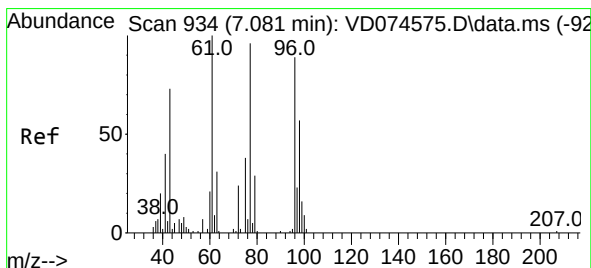
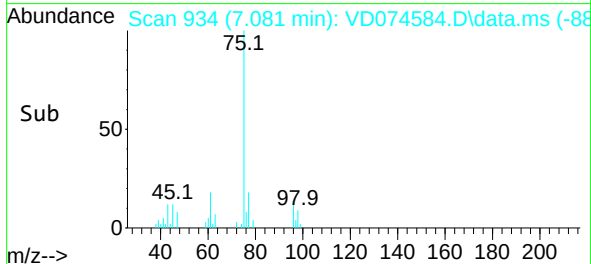
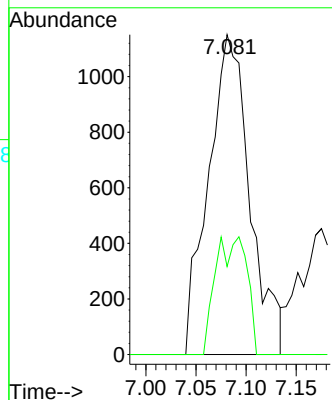
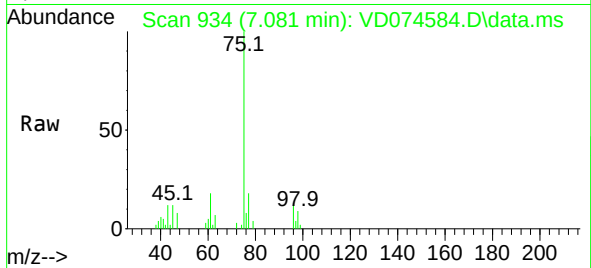




#25
2-Butanone
Concen: 16.468 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

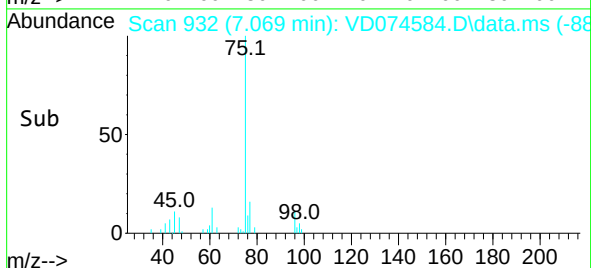
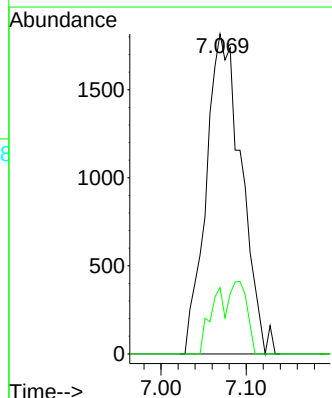
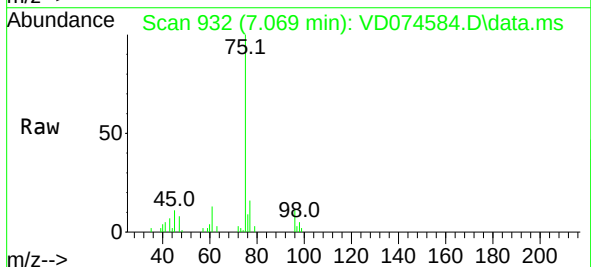
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

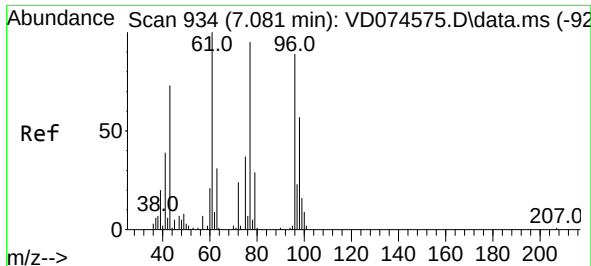
Tgt Ion: 43 Resp: 3320
Ion Ratio Lower Upper
43 100
72 27.5 25.8 38.8



#26
2,2-Dichloropropane
Concen: 3.364 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 77 Resp: 5224
Ion Ratio Lower Upper
77 100
97 8.7 12.5 37.5#

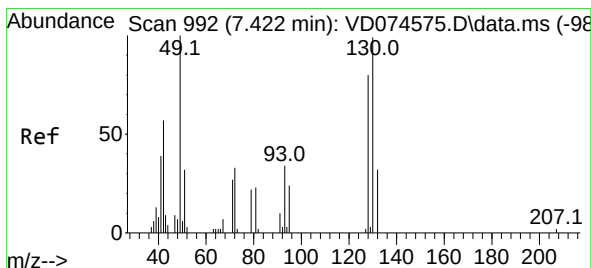
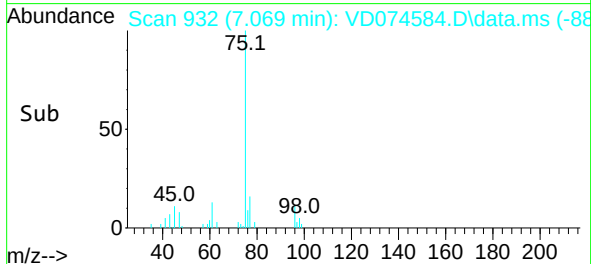
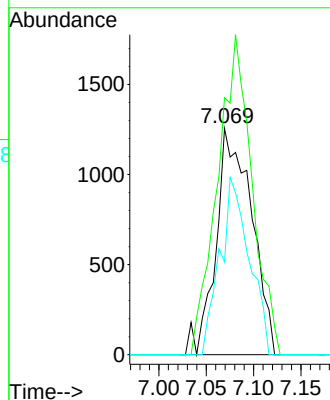
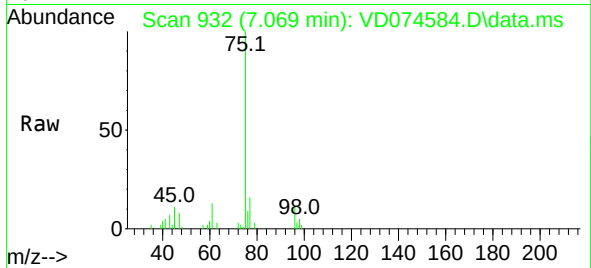




#27
 cis-1,2-Dichloroethene
 Concen: 2.771 ug/l
 RT: 7.069 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

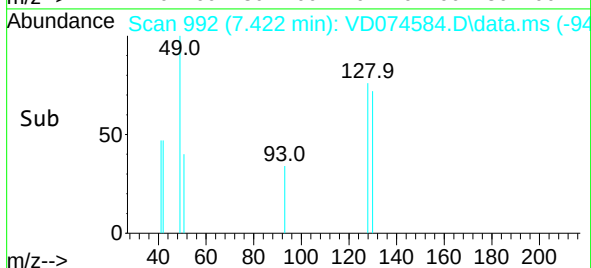
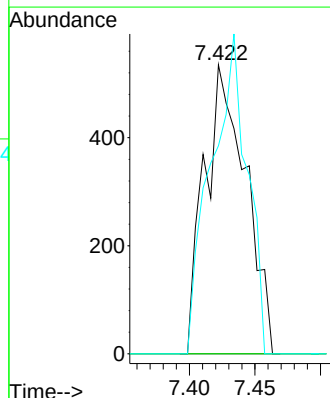
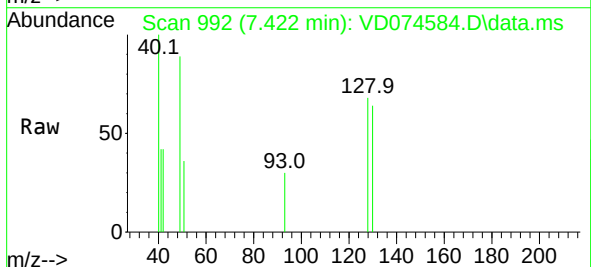
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

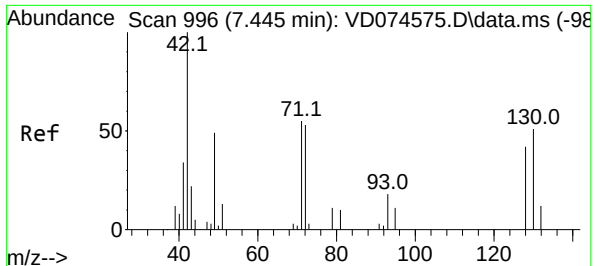
Tgt Ion: 96 Resp: 3291
 Ion Ratio Lower Upper
 96 100
 61 136.6 0.0 242.4
 98 64.4 0.0 130.0



#28
 Bromochloromethane
 Concen: 5.758 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

Tgt Ion: 49 Resp: 1167
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.0
 130 97.4 84.1 126.1





#29

Tetrahydrofuran

Concen: 14.479 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

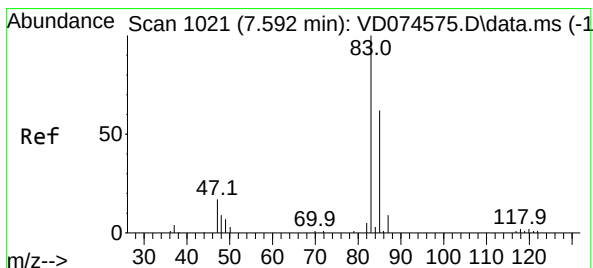
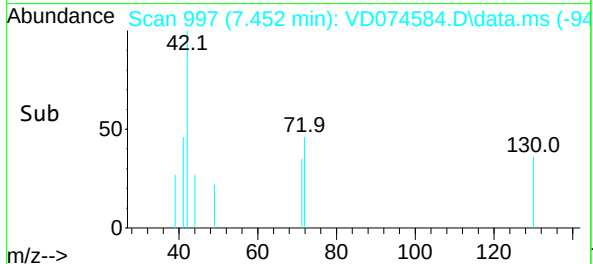
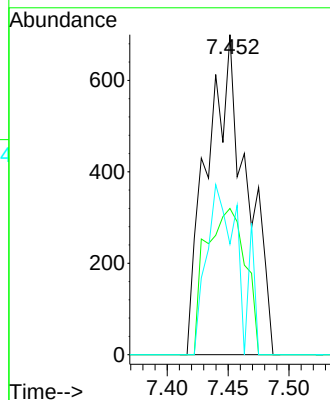
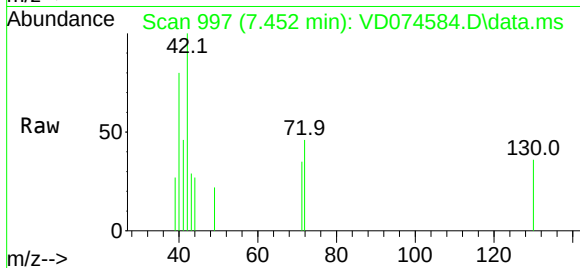
Tgt Ion: 42 Resp: 1592

Ion Ratio Lower Upper

42 100

72 45.3 45.8 68.6#

71 43.1 44.6 66.8#



#30

Chloroform

Concen: 2.806 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD074584.D

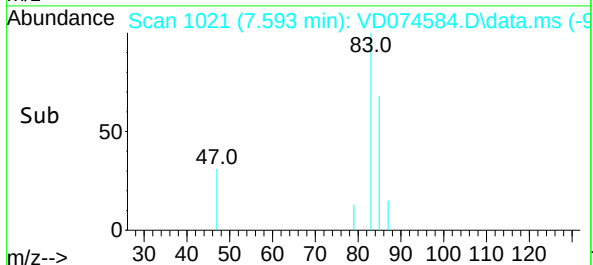
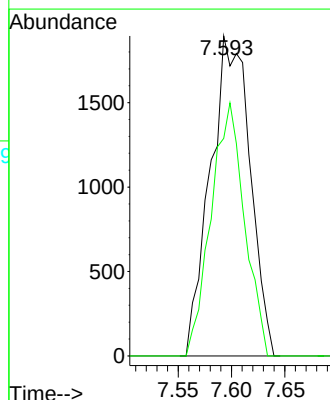
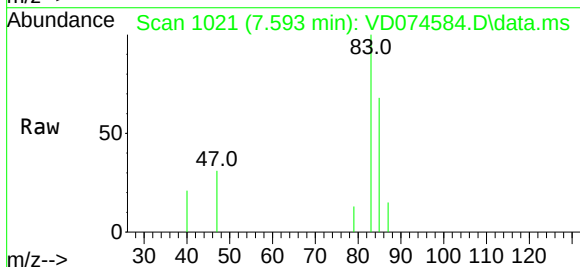
Acq: 19 Oct 2022 17:39

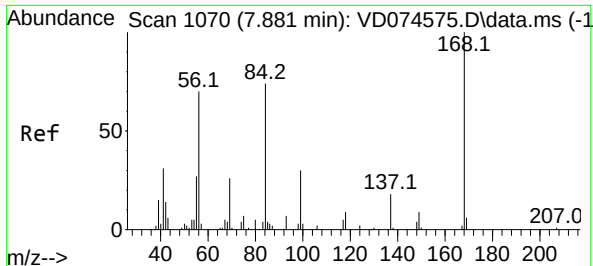
Tgt Ion: 83 Resp: 4906

Ion Ratio Lower Upper

83 100

85 68.0 52.0 78.0

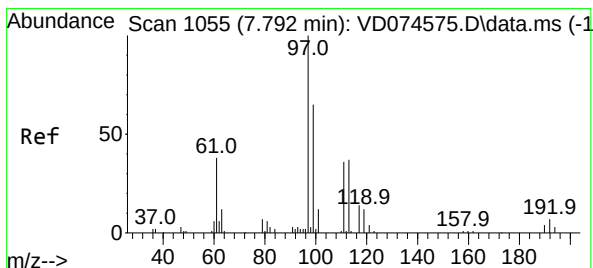
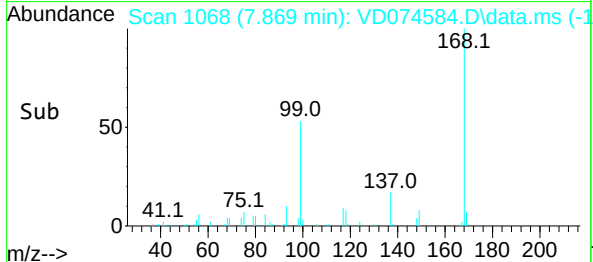
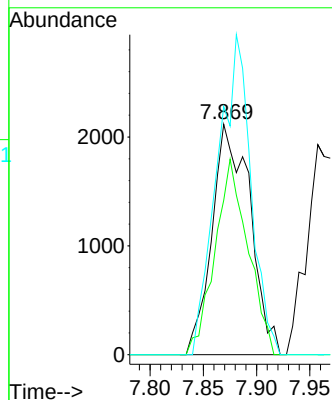
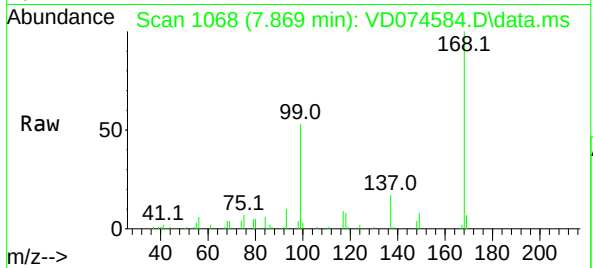




#31
Cyclohexane
Concen: 3.799 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

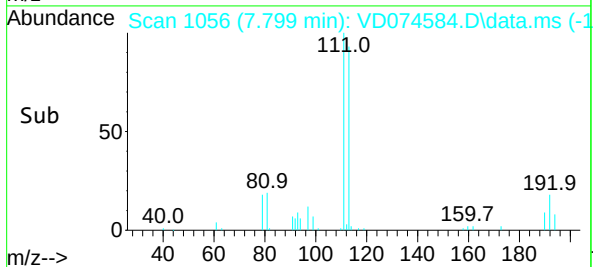
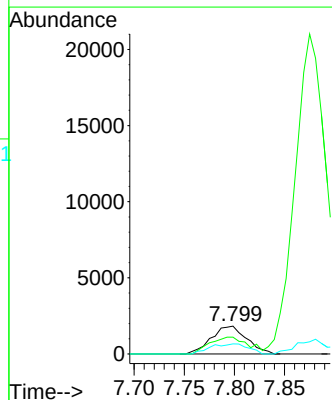
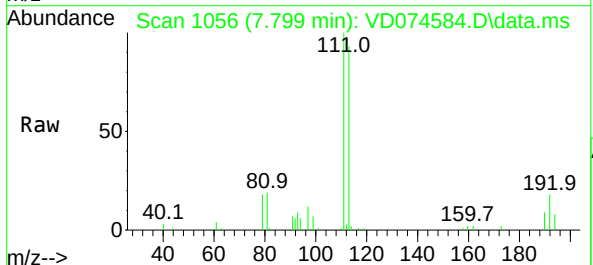
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

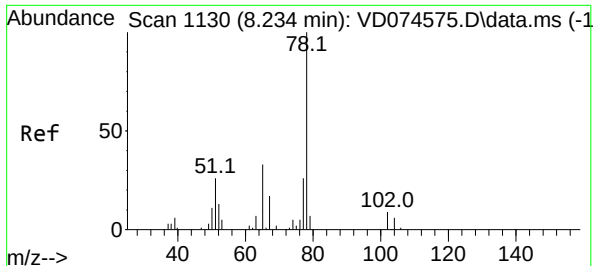
Tgt Ion: 56 Resp: 5268
Ion Ratio Lower Upper
56 100
69 67.0 29.2 43.8#
84 107.7 83.4 125.2



#32
1,1,1-Trichloroethane
Concen: 2.794 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 97 Resp: 4479
Ion Ratio Lower Upper
97 100
99 65.8 53.3 79.9
61 39.0 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 47.910 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

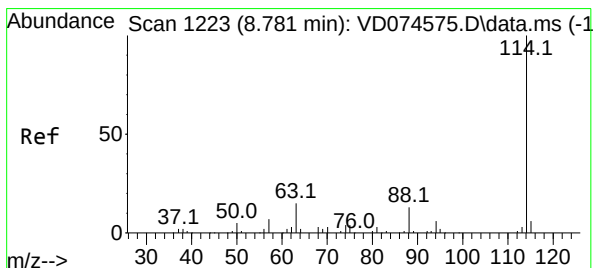
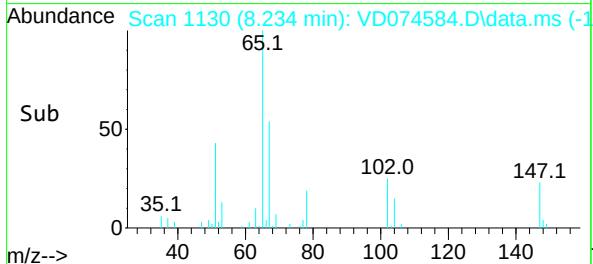
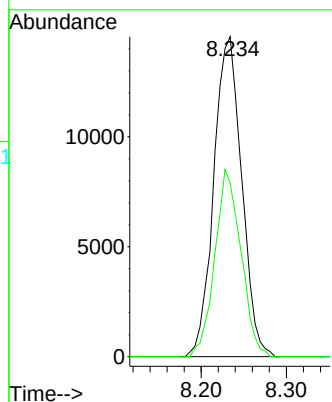
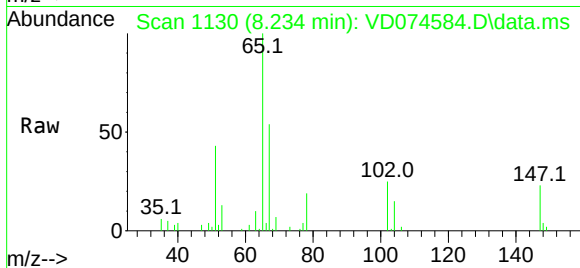
MDL-SOIL-03-QT4-2022

Tgt Ion: 65 Resp: 33077

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

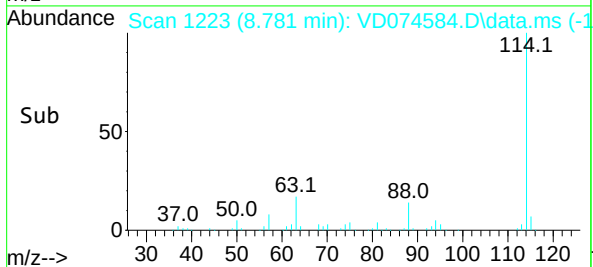
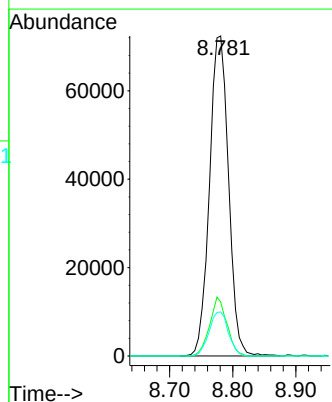
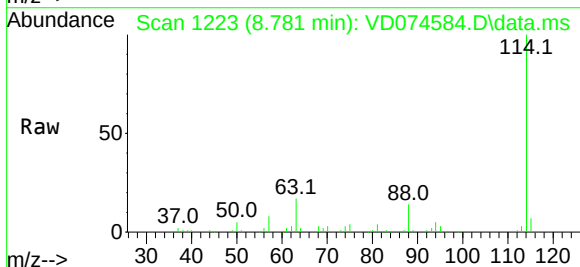
Tgt Ion: 114 Resp: 151779

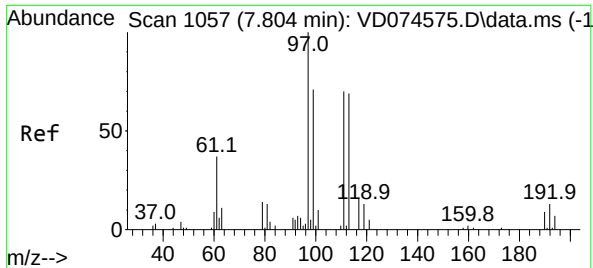
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.2

88 13.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 48.274 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

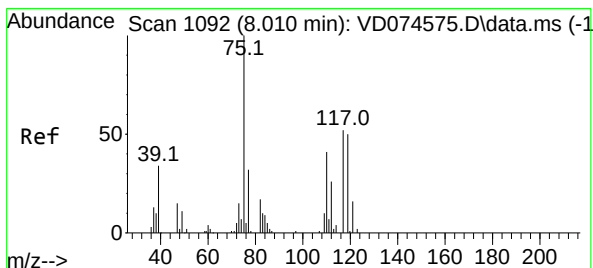
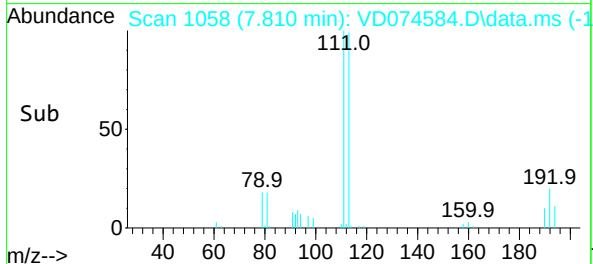
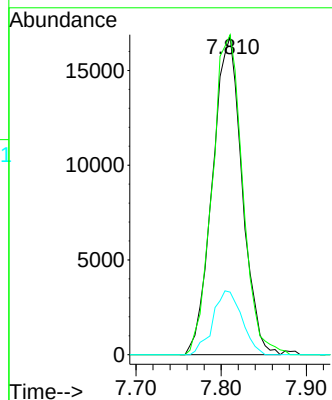
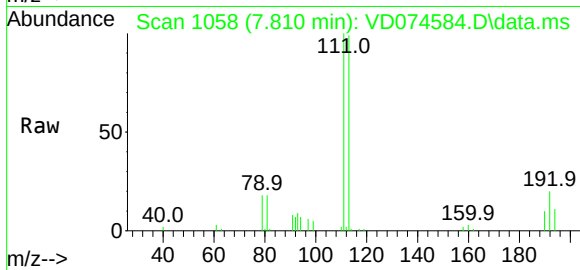
Tgt Ion:113 Resp: 40626

Ion Ratio Lower Upper

113 100

111 102.7 82.3 123.5

192 19.6 16.4 24.6



#36

1,1-Dichloropropene

Concen: 2.871 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

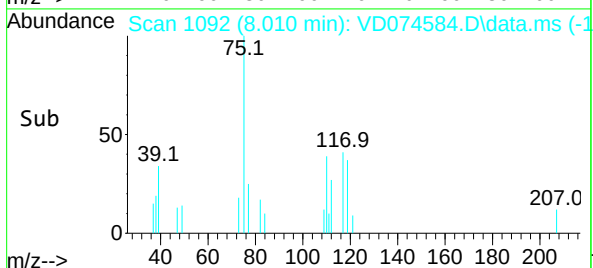
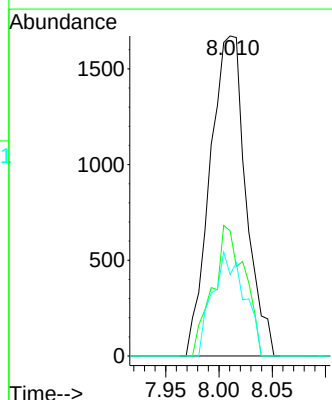
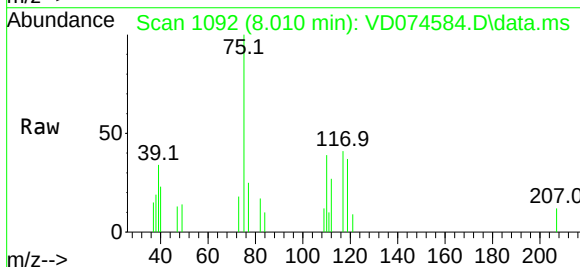
Tgt Ion: 75 Resp: 3914

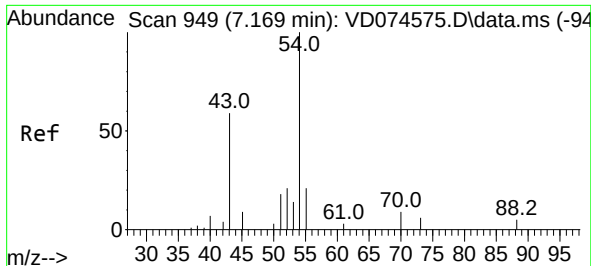
Ion Ratio Lower Upper

75 100

110 36.1 19.7 59.0

77 28.6 25.4 38.2





#37

Ethyl Acetate

Concen: 2.522 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

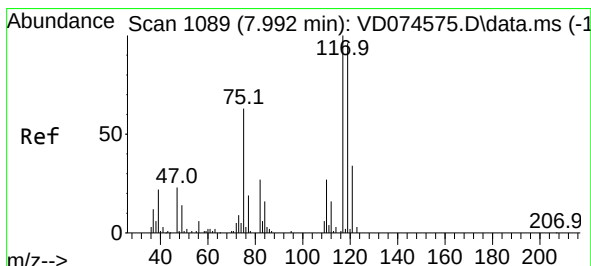
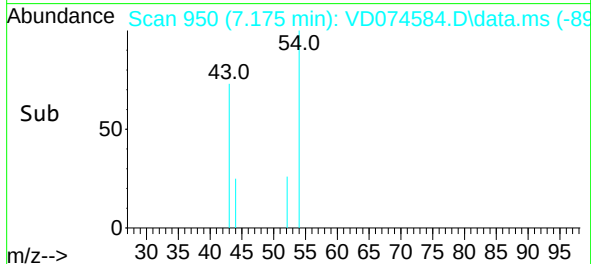
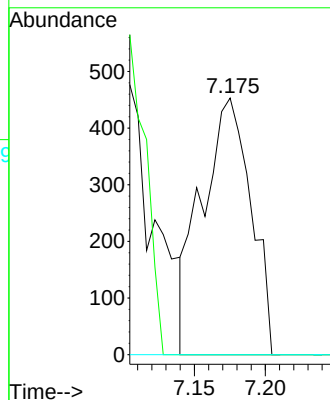
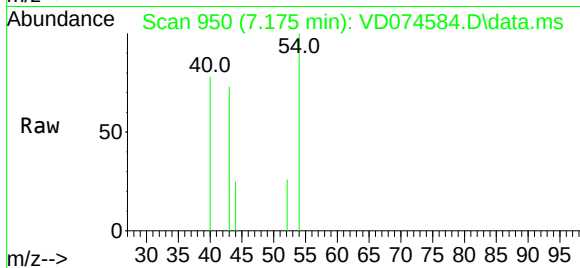
Tgt Ion: 43 Resp: 1085

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 2.100 ug/l

RT: 7.999 min Scan# 1090

Delta R.T. 0.012 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

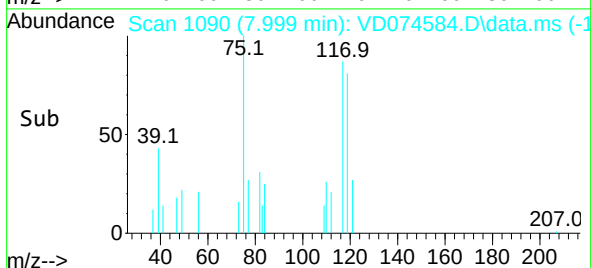
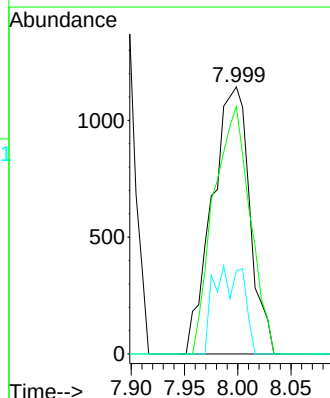
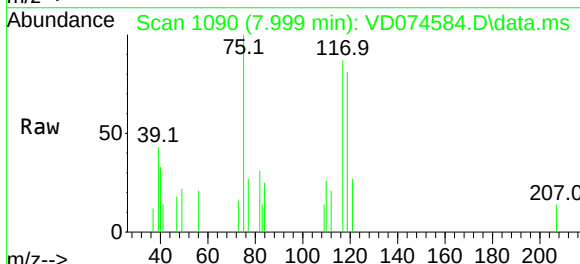
Tgt Ion: 117 Resp: 2804

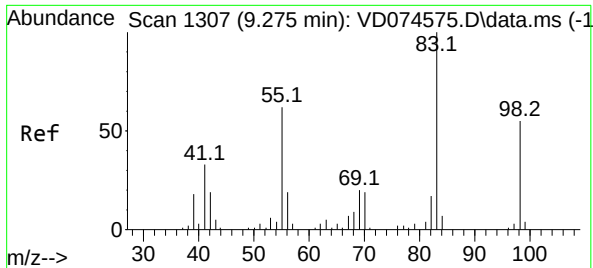
Ion Ratio Lower Upper

117 100

119 92.7 73.1 109.7

121 31.1 25.0 37.6





#39

Methylcyclohexane

Concen: 2.446 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. 0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

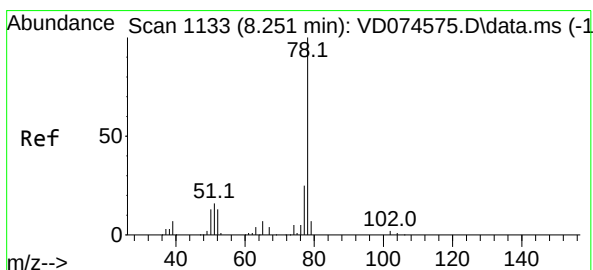
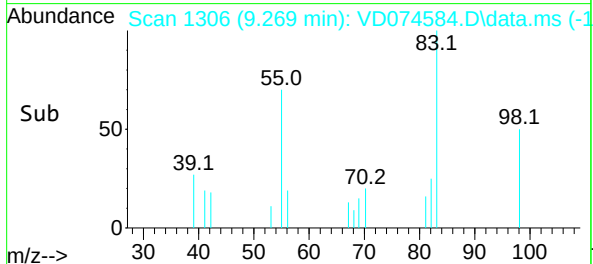
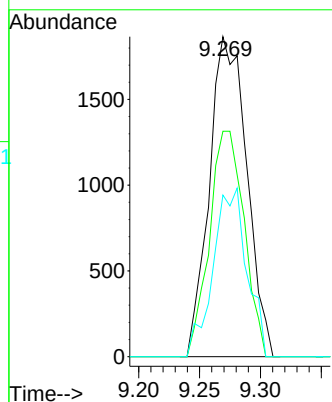
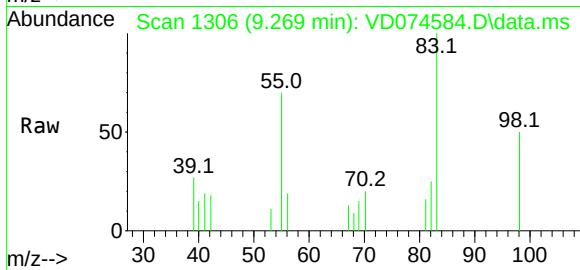
Tgt Ion: 83 Resp: 3985

Ion Ratio Lower Upper

83 100

55 70.5 49.0 73.4

98 50.5 41.7 62.5



#40

Benzene

Concen: 2.876 ug/l

RT: 8.257 min Scan# 1134

Delta R.T. 0.005 min

Lab File: VD074584.D

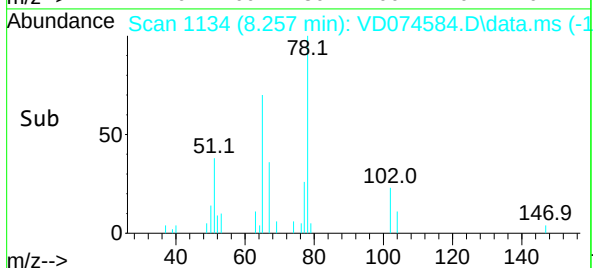
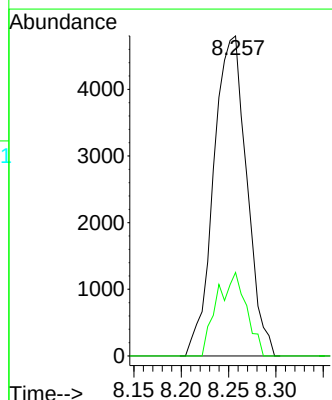
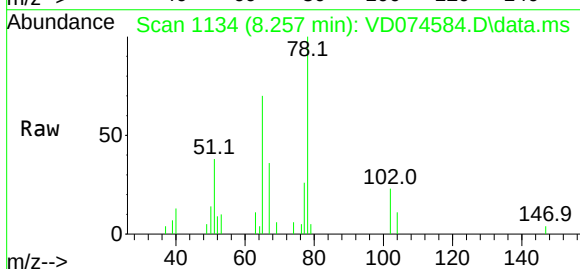
Acq: 19 Oct 2022 17:39

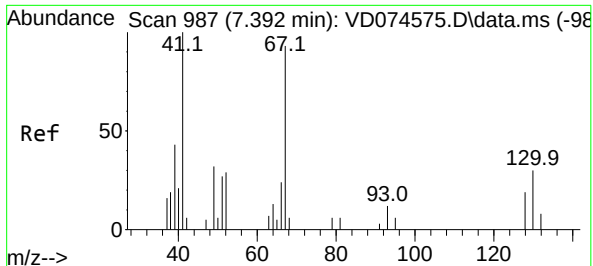
Tgt Ion: 78 Resp: 11640

Ion Ratio Lower Upper

78 100

77 26.1 20.1 30.1

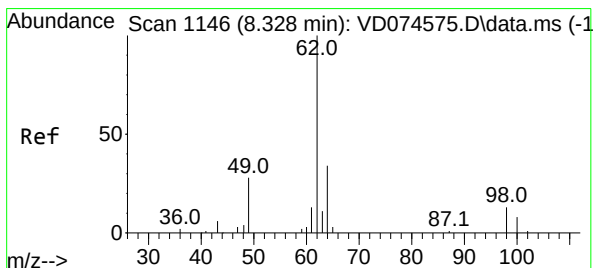
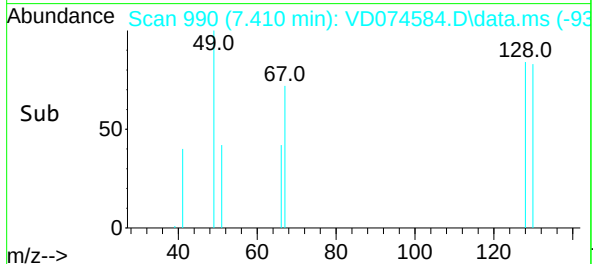
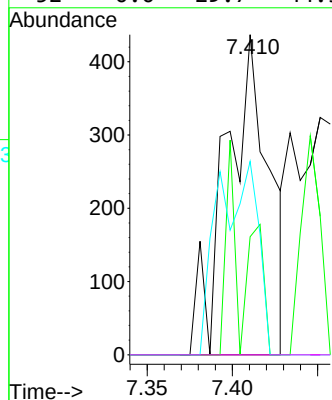
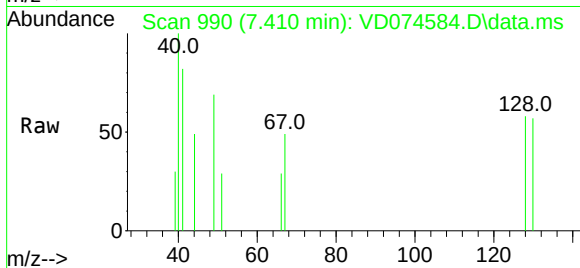




#41
Methacrylonitrile
Concen: 3.326 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

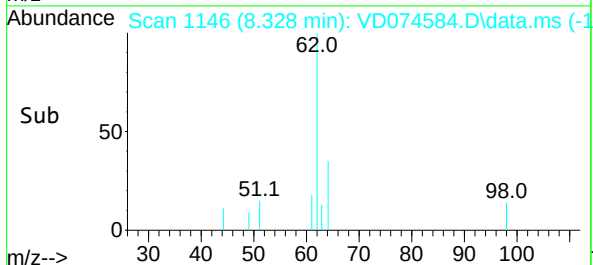
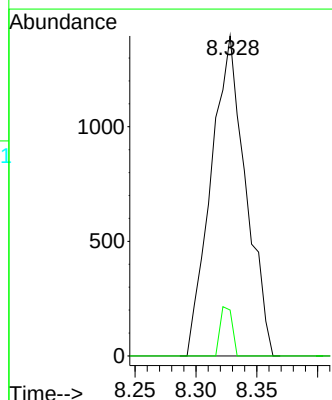
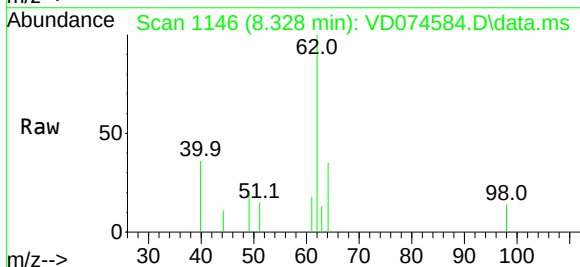
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

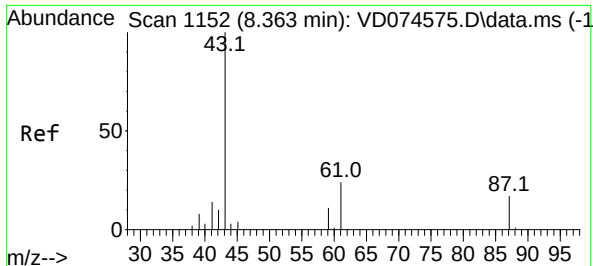
Tgt Ion: 41 Resp: 771
Ion Ratio Lower Upper
41 100
39 13.4 35.0 52.6#
67 26.5 77.0 115.6#
52 0.0 29.7 44.5#



#42
1,2-Dichloroethane
Concen: 2.971 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 62 Resp: 2774
Ion Ratio Lower Upper
62 100
98 5.3 0.0 24.2

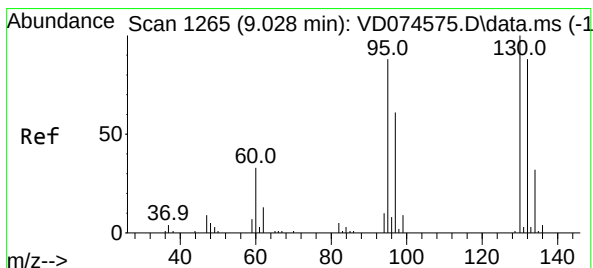
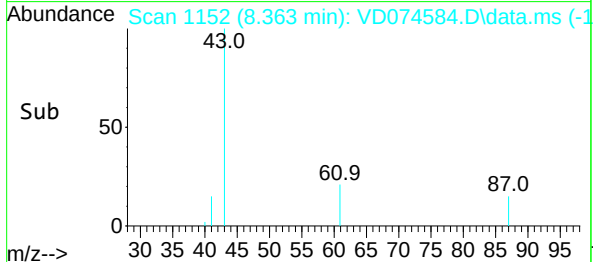
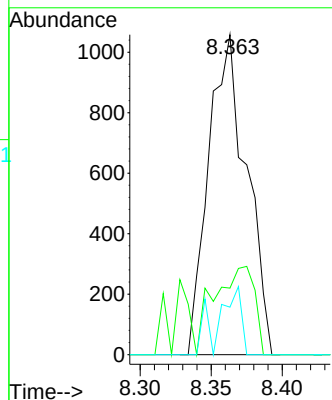
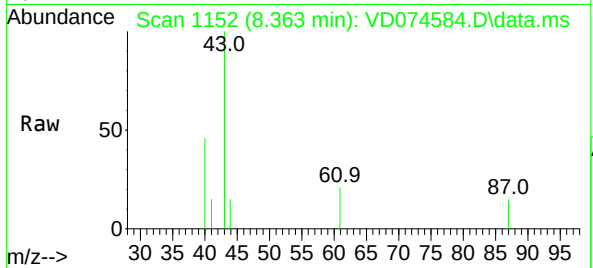




#43
Isopropyl Acetate
Concen: 2.460 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

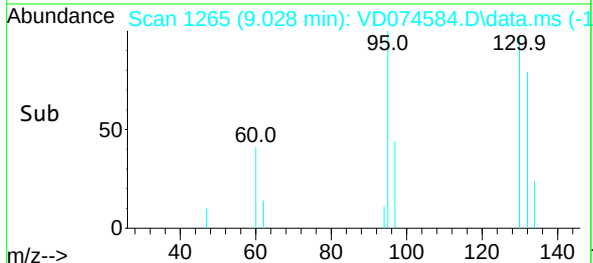
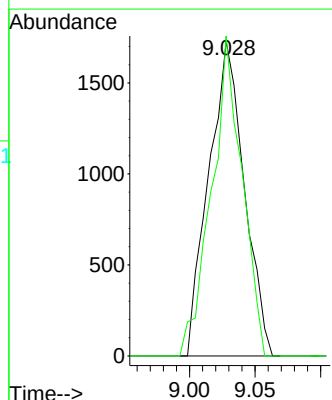
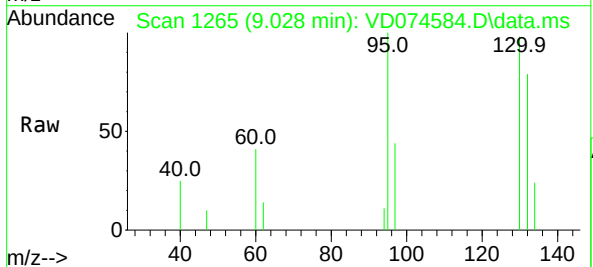
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2022

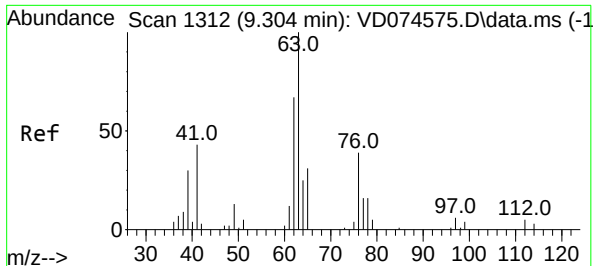
Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
61 29.2 30.9 46.3#
87 9.8 14.3 21.5#



#44
Trichloroethene
Concen: 2.742 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 130 Resp: 3251
Ion Ratio Lower Upper
130 100
95 101.7 0.0 185.4





#45

1,2-Dichloropropane

Concen: 2.550 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

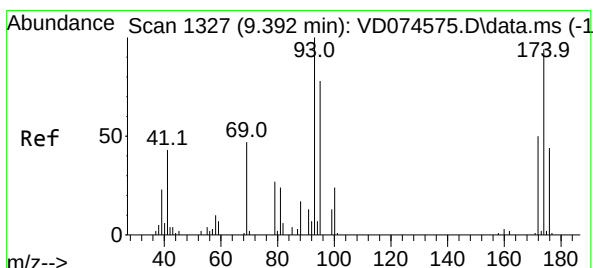
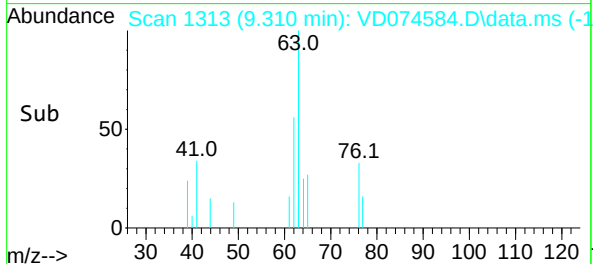
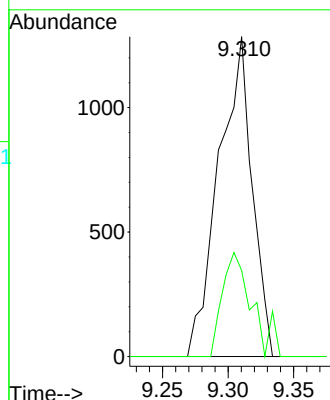
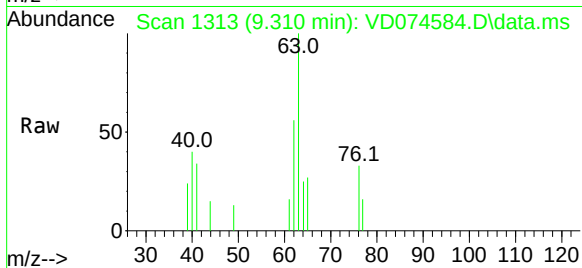
MDL-SOIL-03-QT4-2022

Tgt Ion: 63 Resp: 2265

Ion Ratio Lower Upper

63 100

65 26.9 23.1 34.7



#46

Dibromomethane

Concen: 2.527 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

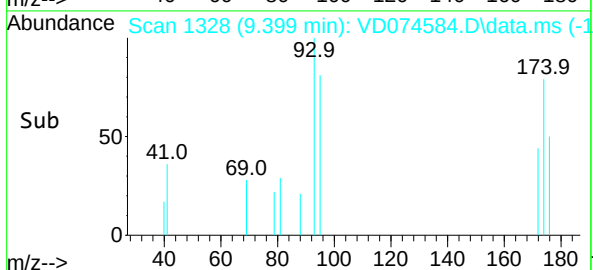
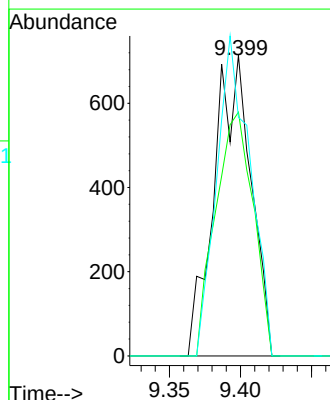
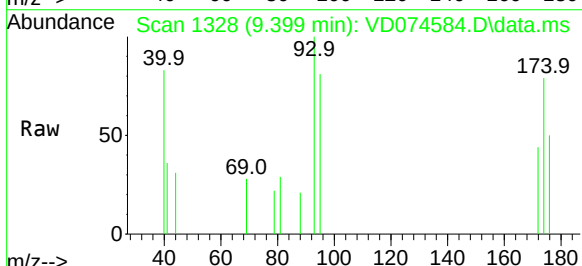
Tgt Ion: 93 Resp: 1295

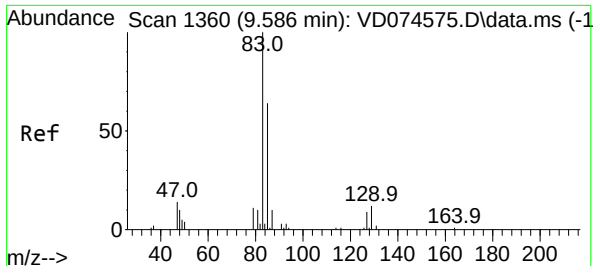
Ion Ratio Lower Upper

93 100

95 82.3 68.2 102.2

174 95.6 87.4 131.0





#47

Bromodichloromethane

Concen: 2.436 ug/l

RT: 9.587 min Scan# 1360

Delta R.T. -0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

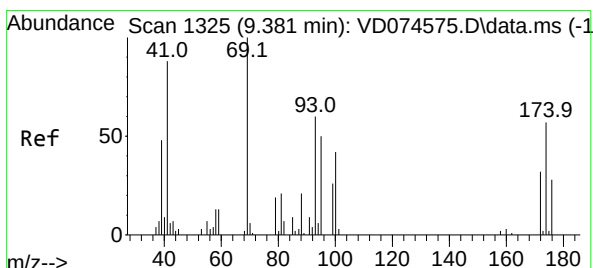
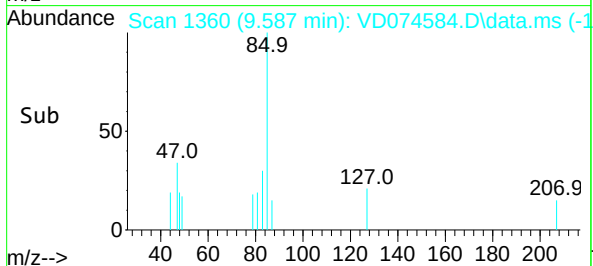
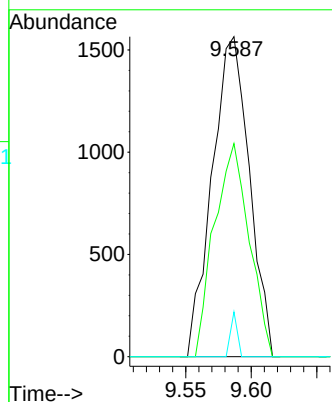
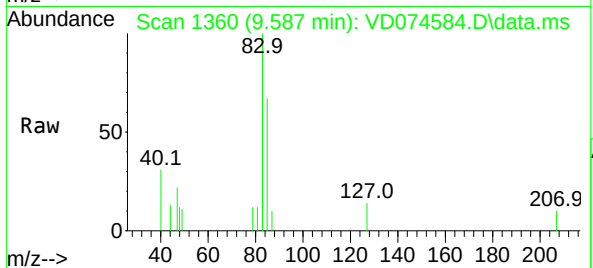
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:	83	Resp:	3089
Ion	Ratio	Lower	Upper
83	100		
85	66.6	48.8	73.2
127	14.0	6.7	10.1



#48

Methyl methacrylate

Concen: 2.699 ug/l

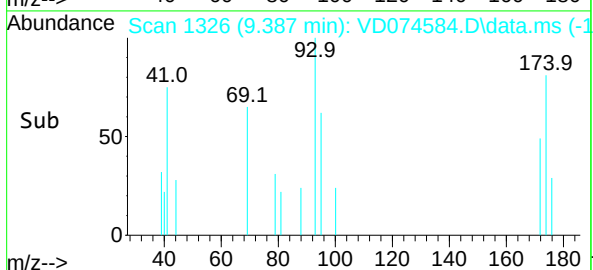
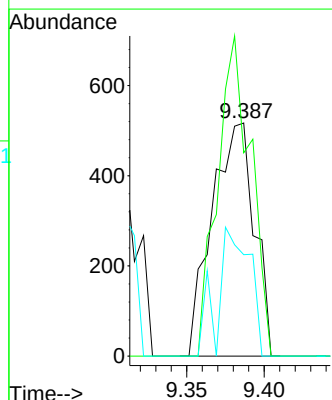
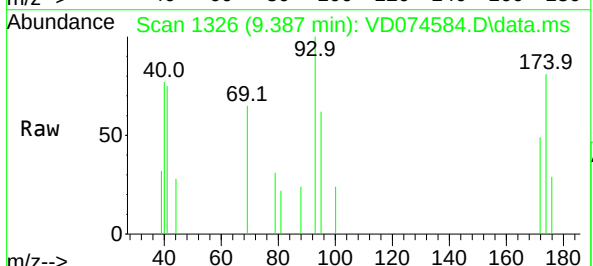
RT: 9.387 min Scan# 1326

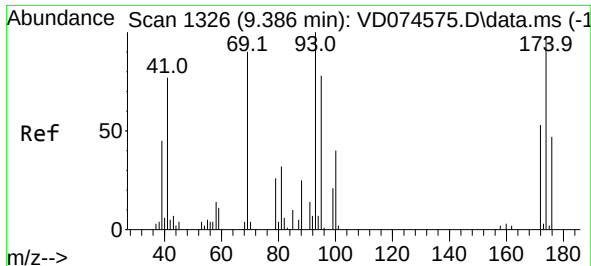
Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Tgt Ion:	41	Resp:	986
Ion	Ratio	Lower	Upper
41	100		
69	107.8	93.0	139.4
39	42.0	44.6	66.8





#49

1,4-Dioxane

Concen: 49.172 ug/l

RT: 9.393 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

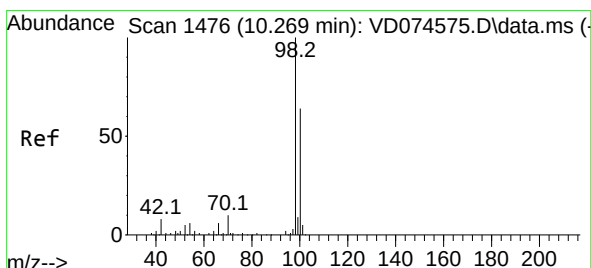
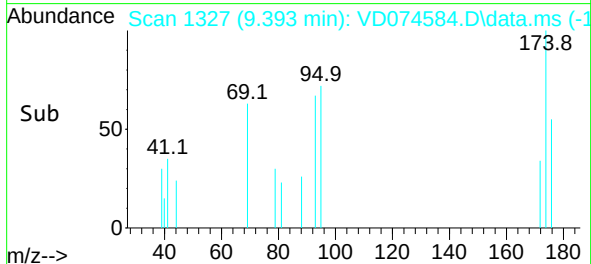
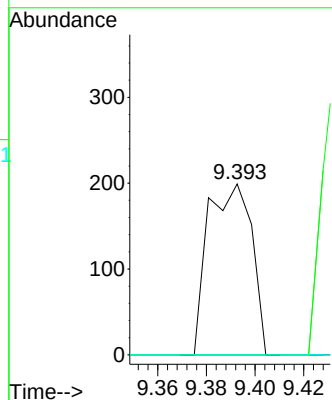
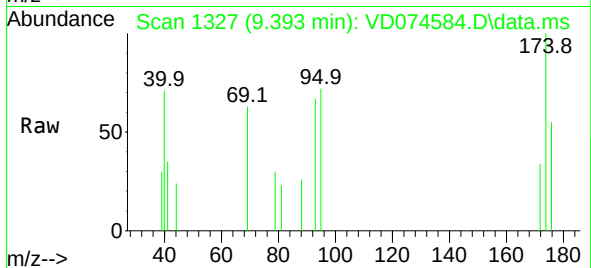
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

58 0.0 43.1 64.7#



#50

Toluene-d8

Concen: 44.683 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074584.D

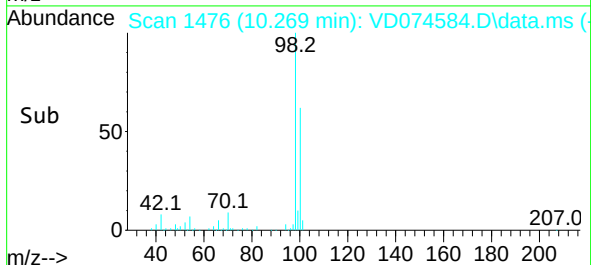
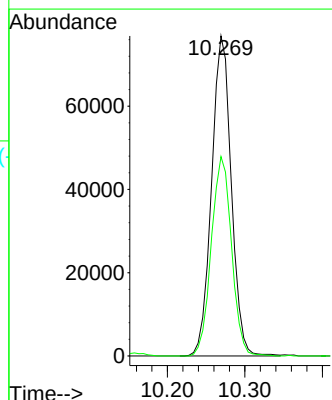
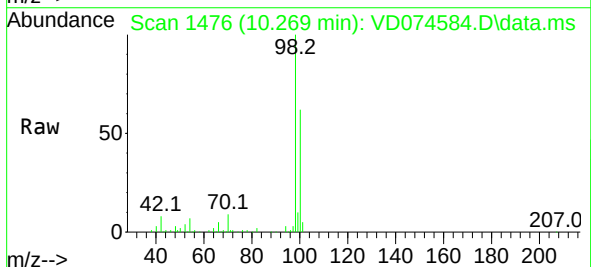
Acq: 19 Oct 2022 17:39

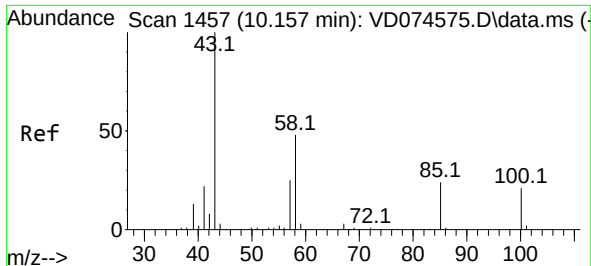
Tgt Ion: 98 Resp: 135743

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

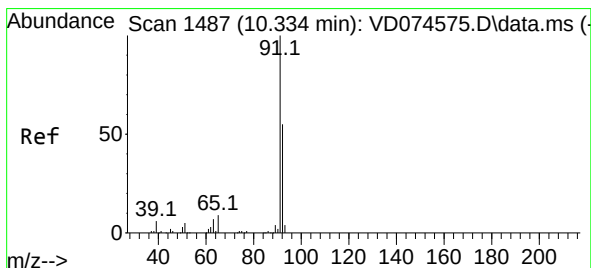
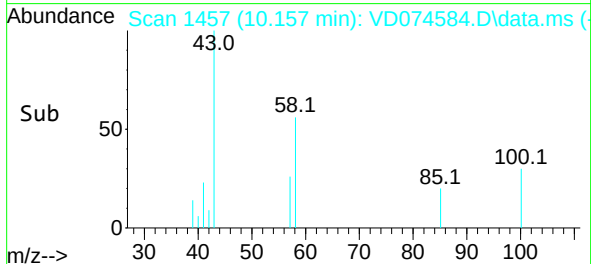
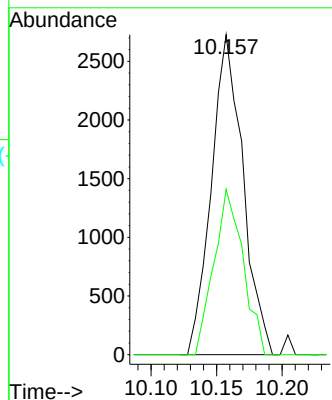
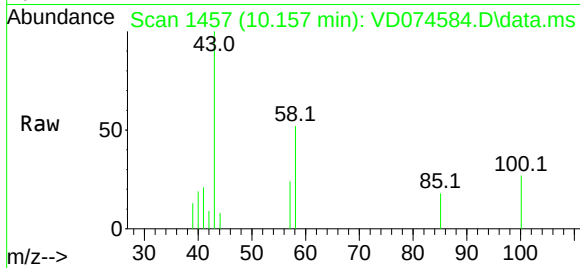




#51
4-Methyl-2-Pentanone
Concen: 11.464 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

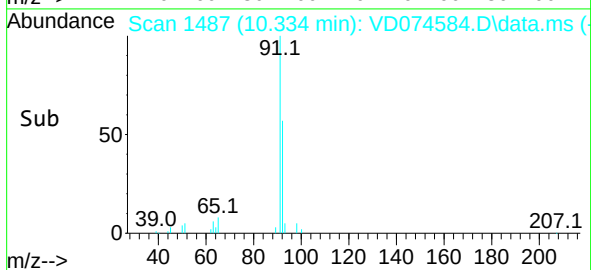
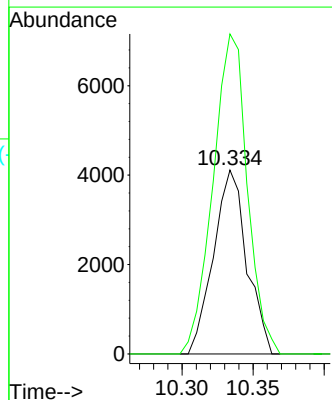
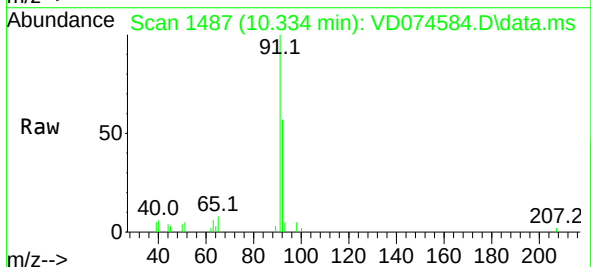
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

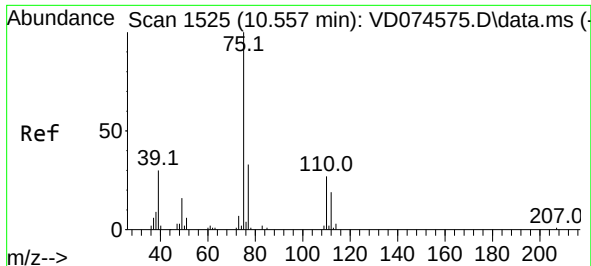
Tgt Ion: 43 Resp: 4559
Ion Ratio Lower Upper
43 100
58 47.8 37.8 56.6



#52
Toluene
Concen: 2.692 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 92 Resp: 6718
Ion Ratio Lower Upper
92 100
91 179.2 139.0 208.4

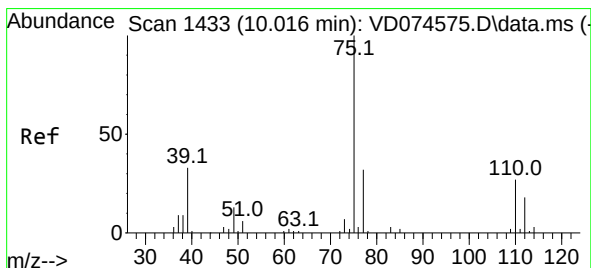
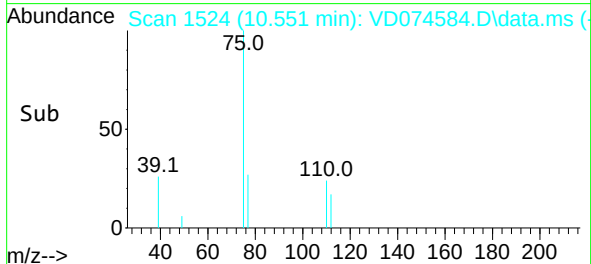
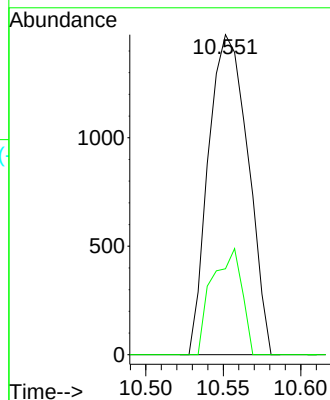
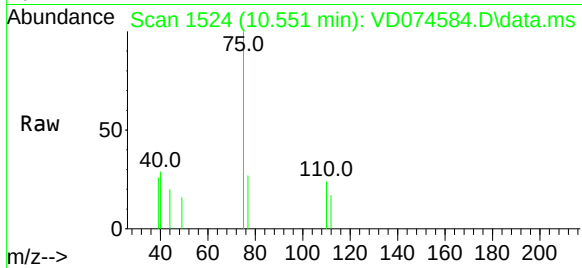




#53
t-1,3-Dichloropropene
Concen: 2.351 ug/l
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

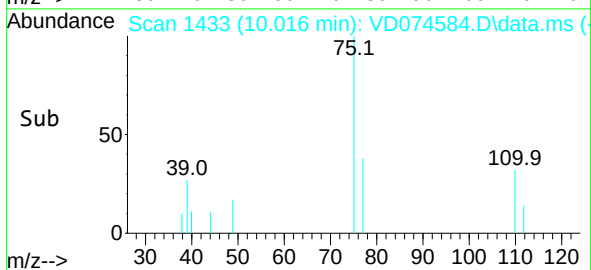
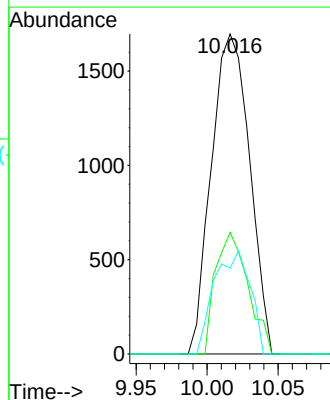
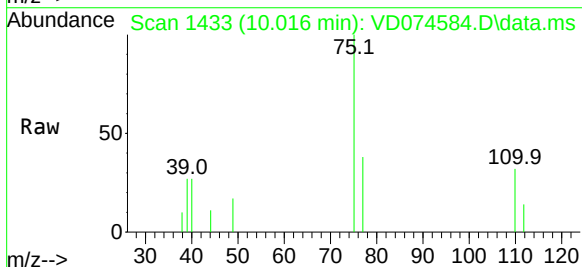
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

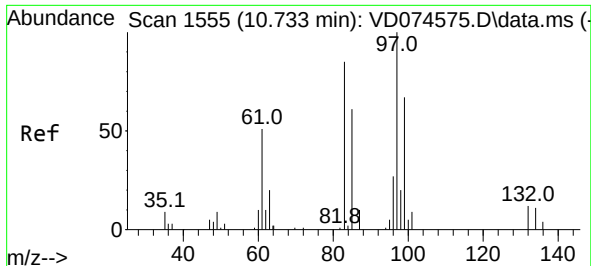
Tgt Ion: 75 Resp: 2621
Ion Ratio Lower Upper
75 100
77 26.8 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 2.260 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 75 Resp: 3177
Ion Ratio Lower Upper
75 100
77 38.0 24.7 37.1#
39 26.8 25.4 38.2

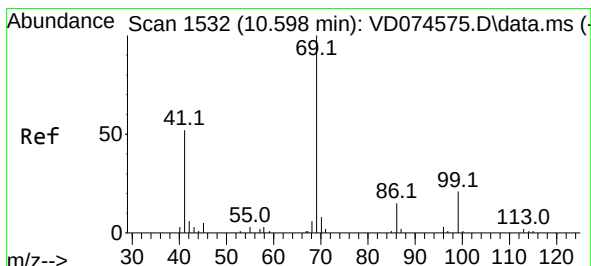
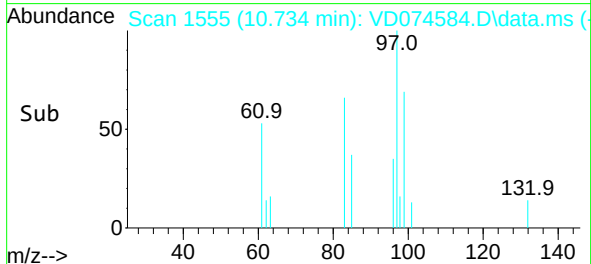
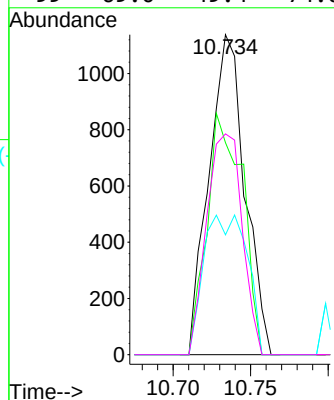
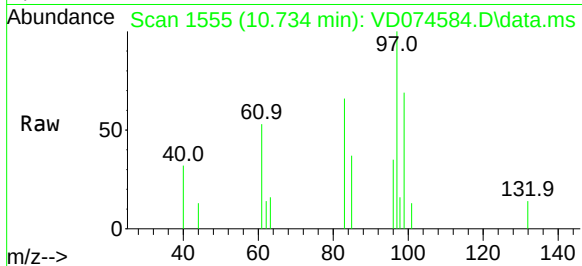




#55
1,1,2-Trichloroethane
Concen: 2.605 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

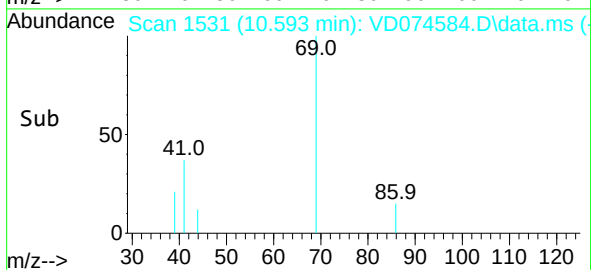
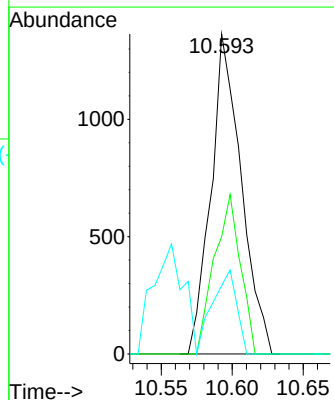
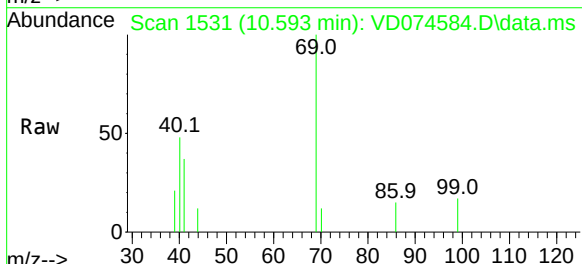
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT4-2022

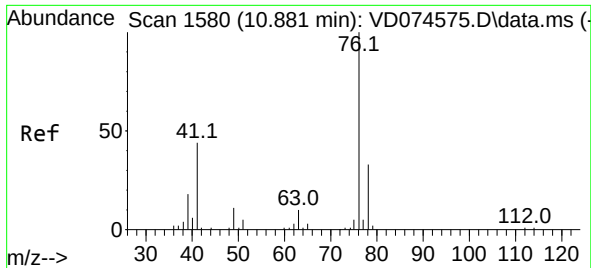
Tgt Ion: 97	Resp: 1834
Ion Ratio	Lower Upper
97 100	
83 66.3	64.8 97.2
85 37.4	44.8 67.2#
99 69.0	49.4 74.0



#56
Ethyl methacrylate
Concen: 2.626 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 69	Resp: 2021
Ion Ratio	Lower Upper
69 100	
41 42.7	38.6 58.0
39 21.0	19.9 29.9





#57

1,3-Dichloropropane

Concen: 2.481 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

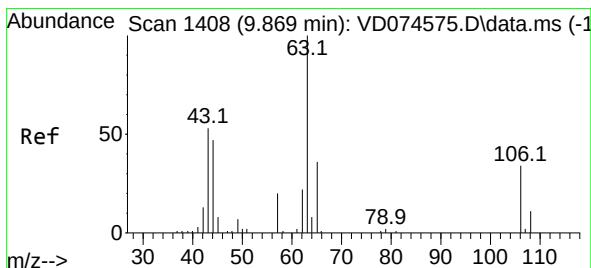
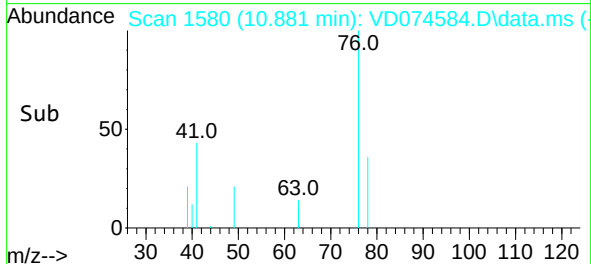
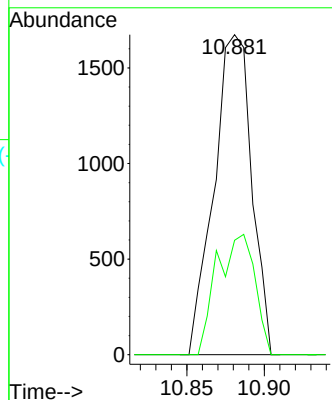
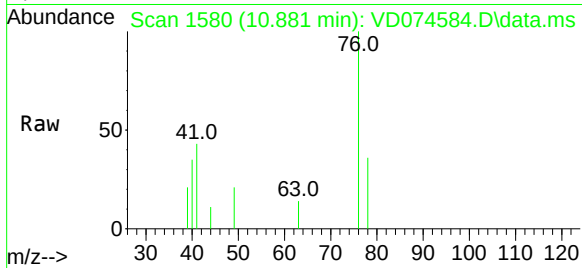
MDL-SOIL-03-QT4-2022

Tgt Ion: 76 Resp: 2834

Ion Ratio Lower Upper

76 100

78 37.9 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 43.687 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD074584.D

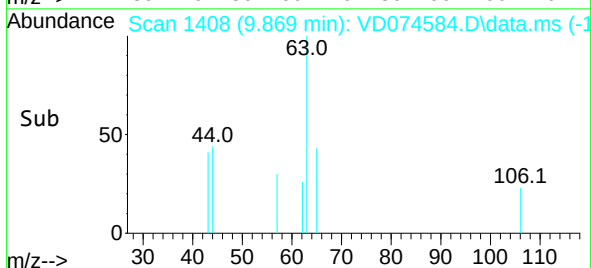
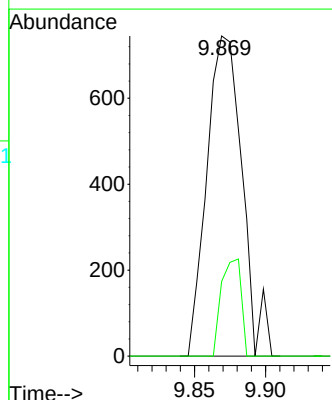
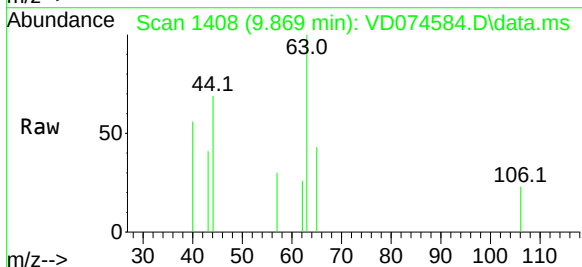
Acq: 19 Oct 2022 17:39

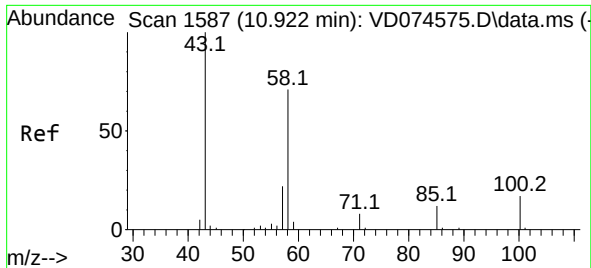
Tgt Ion: 63 Resp: 1289

Ion Ratio Lower Upper

63 100

106 16.9 26.5 39.7#

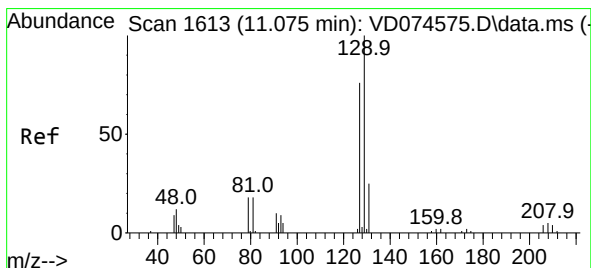
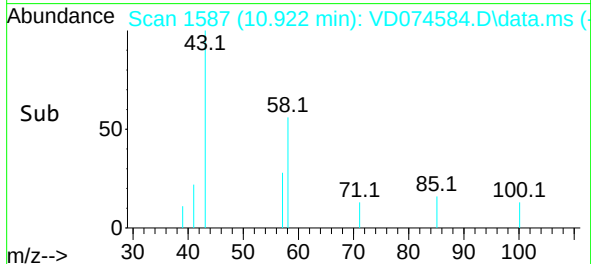
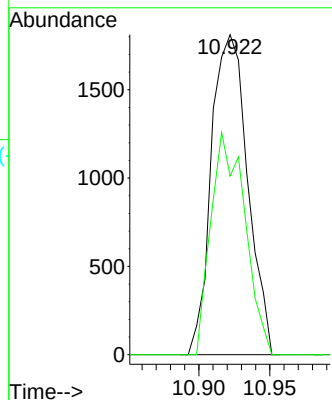
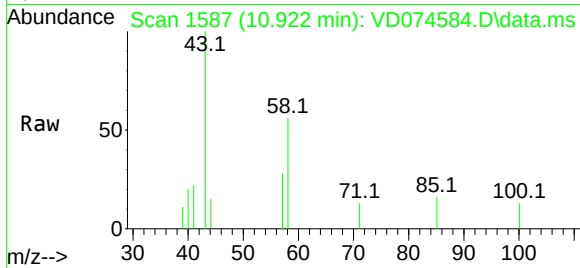




#59
2-Hexanone
Concen: 11.845 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

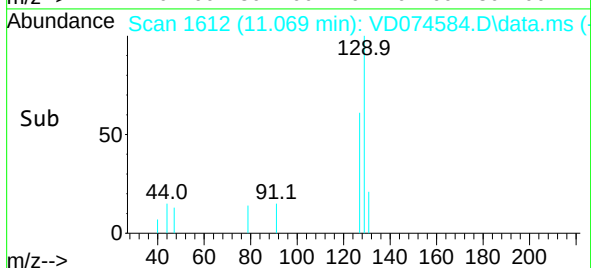
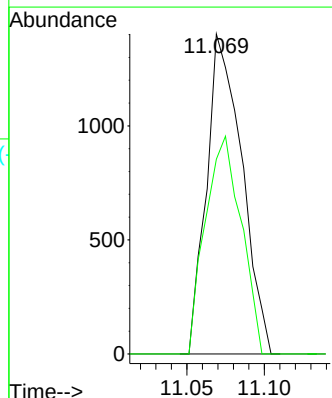
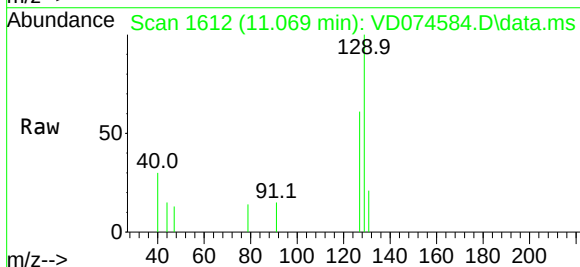
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

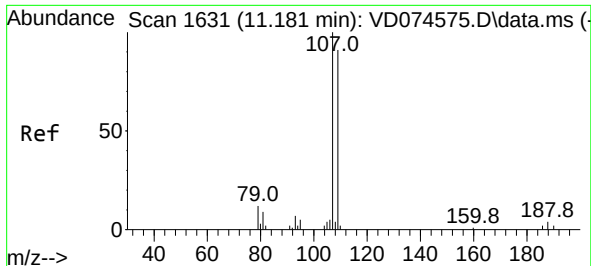
Tgt Ion: 43 Resp: 3215
Ion Ratio Lower Upper
43 100
58 65.0 32.0 96.2



#60
Dibromochloromethane
Concen: 2.610 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 129 Resp: 2215
Ion Ratio Lower Upper
129 100
127 69.3 39.1 117.2

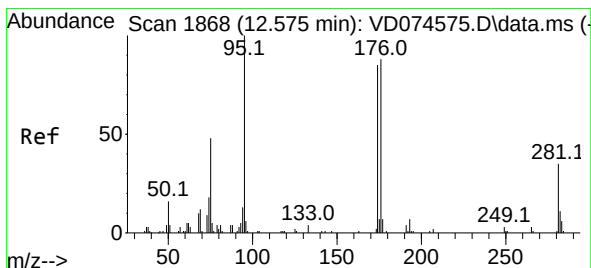
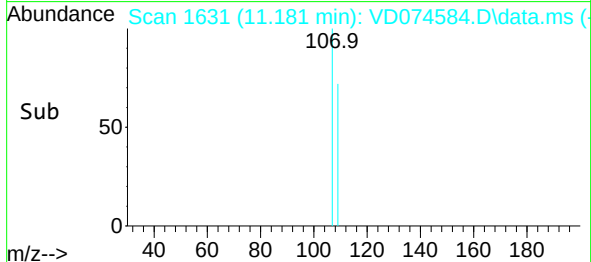
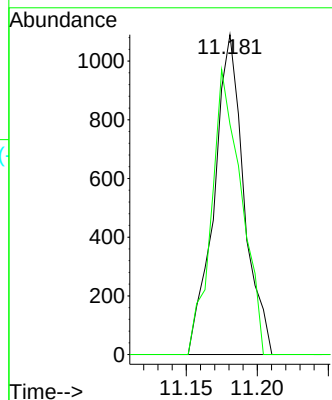
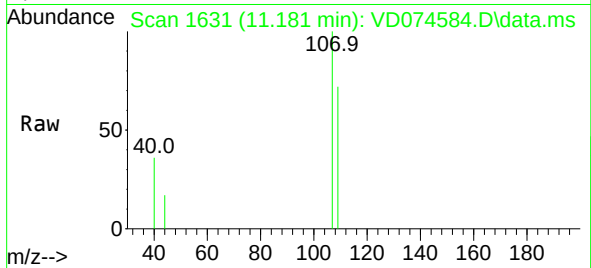




#61
1,2-Dibromoethane
Concen: 2.477 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

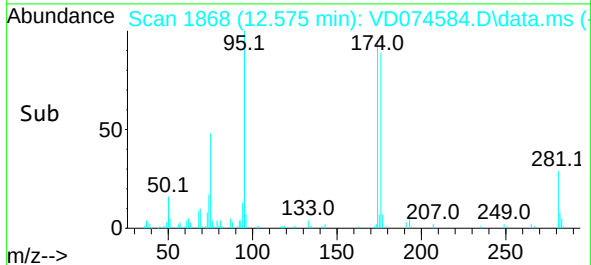
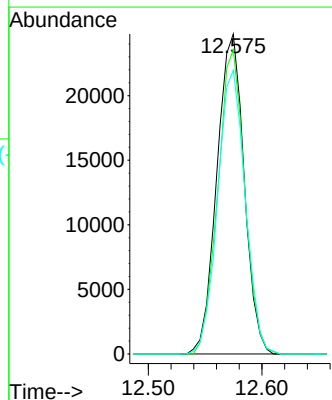
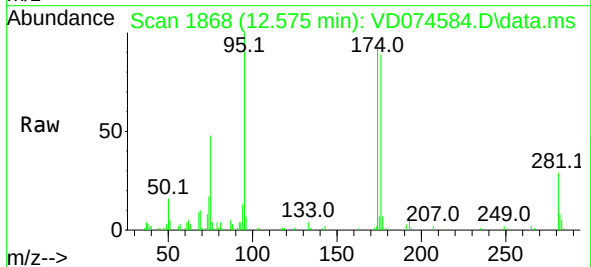
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

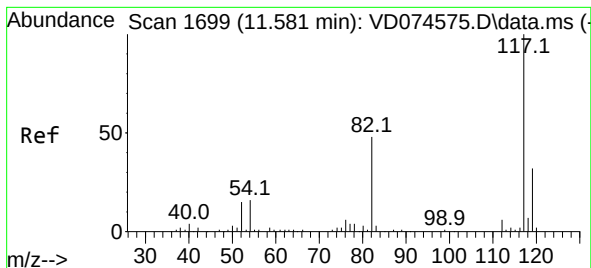
Tgt Ion:107 Resp: 1592
Ion Ratio Lower Upper
107 100
109 89.4 74.6 111.8



#62
4-Bromofluorobenzene
Concen: 47.000 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 95 Resp: 41177
Ion Ratio Lower Upper
95 100
174 93.7 0.0 197.0
176 89.9 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: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

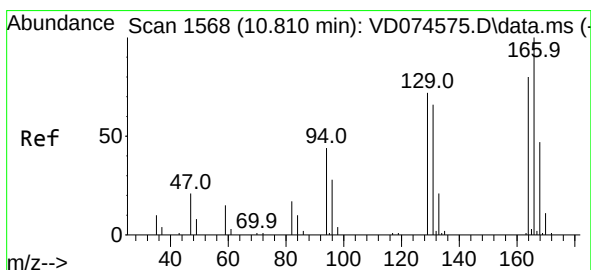
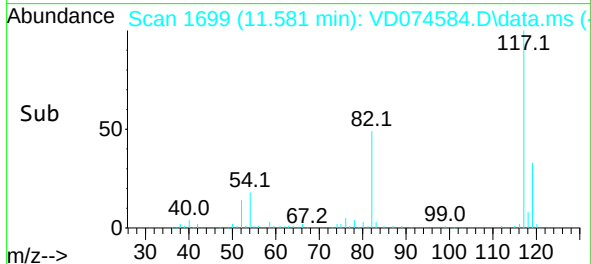
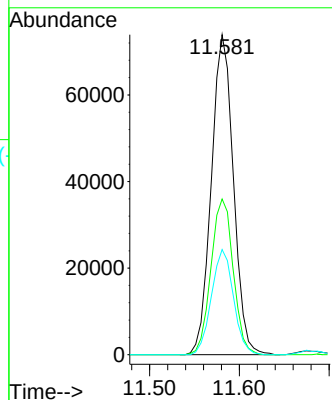
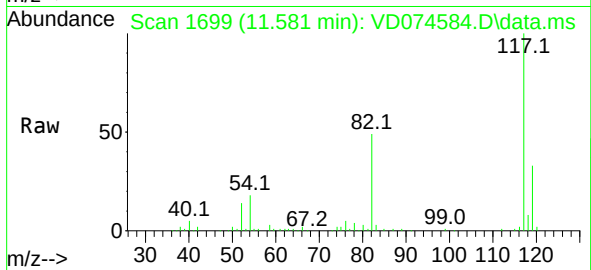
Tgt Ion:117 Resp: 126259

Ion Ratio Lower Upper

117 100

82 48.6 41.6 62.4

119 32.9 25.2 37.8



#64

Tetrachloroethene

Concen: 2.953 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Tgt Ion:164 Resp: 2756

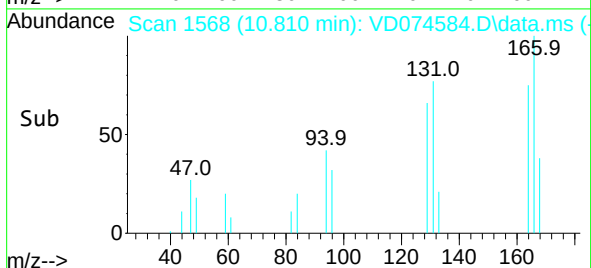
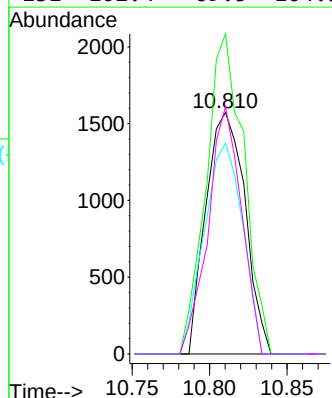
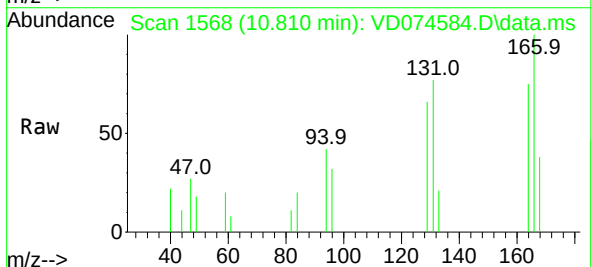
Ion Ratio Lower Upper

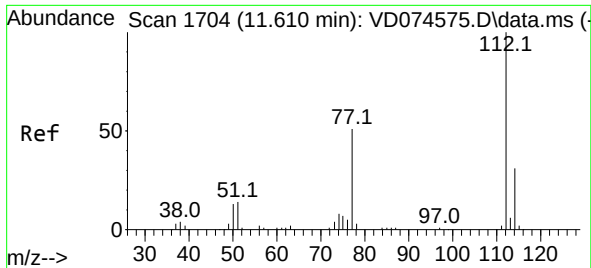
164 100

166 132.5 107.8 161.8

129 87.3 77.4 116.2

131 102.4 69.5 104.3

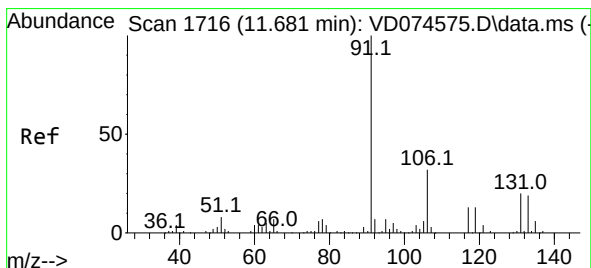
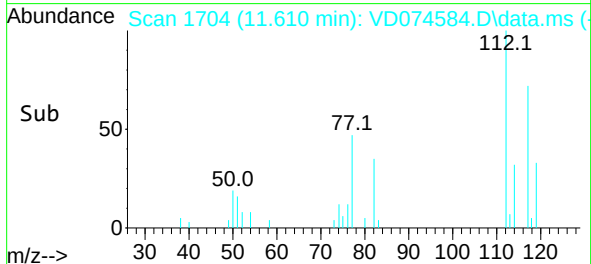
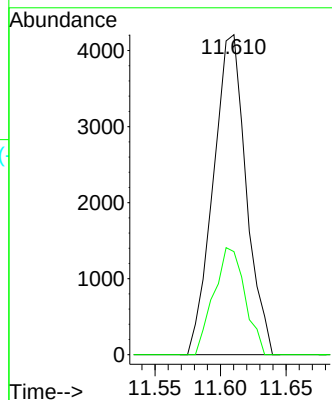
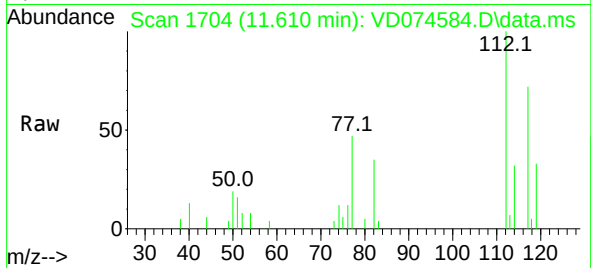




#65
Chlorobenzene
Concen: 2.759 ug/l
RT: 11.610 min Scan# 11610
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

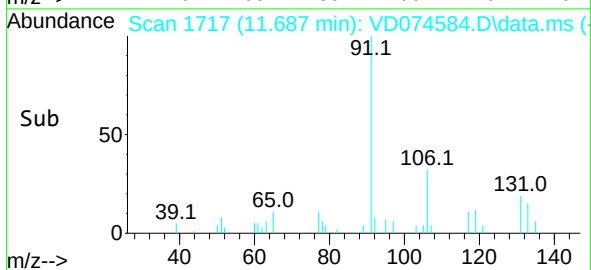
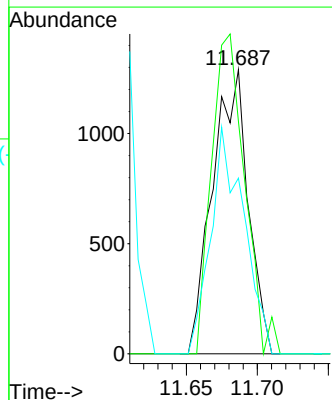
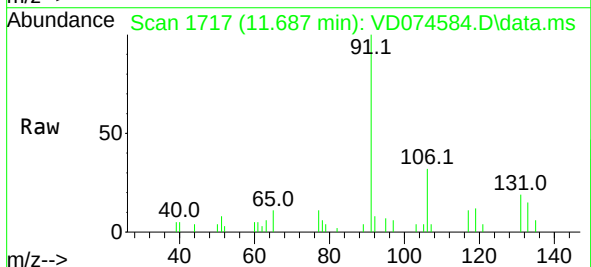
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

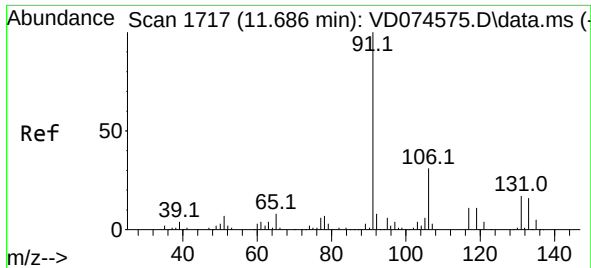
Tgt Ion:112 Resp: 7338
Ion Ratio Lower Upper
112 100
114 32.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 2.464 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:131 Resp: 2251
Ion Ratio Lower Upper
131 100
133 104.6 46.6 139.8
119 74.2 32.5 97.4





#67

Ethyl Benzene

Concen: 2.550 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

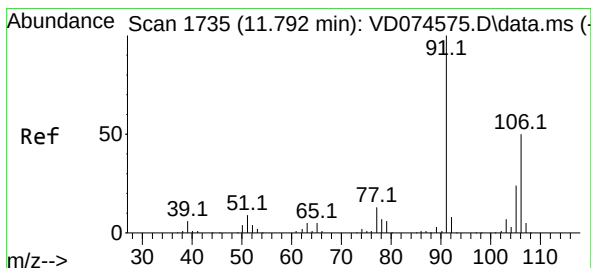
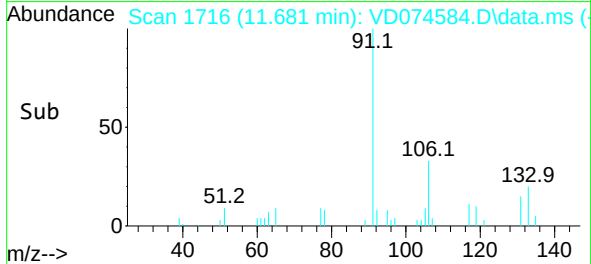
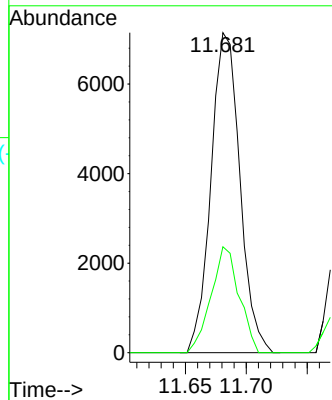
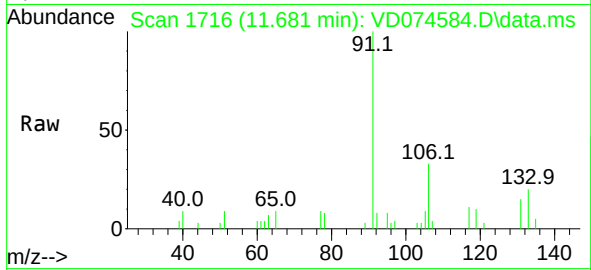
MDL-SOIL-03-QT4-2022

Tgt Ion: 91 Resp: 11810

Ion Ratio Lower Upper

91 100

106 33.1 26.6 40.0



#68

m/p-Xylenes

Concen: 5.085 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD074584.D

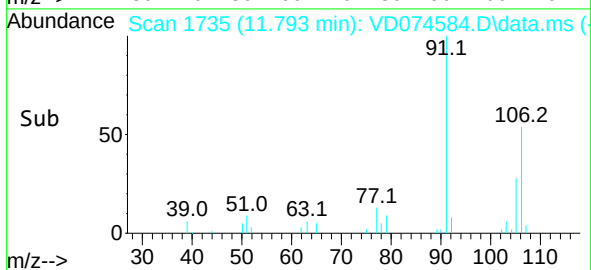
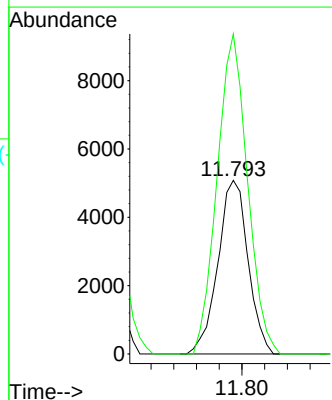
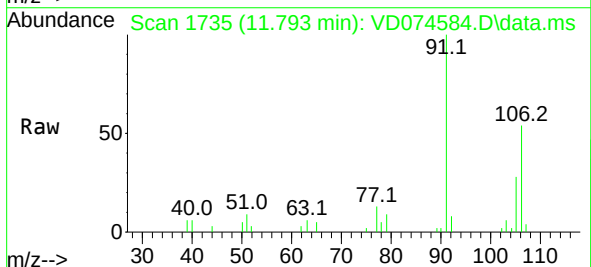
Acq: 19 Oct 2022 17:39

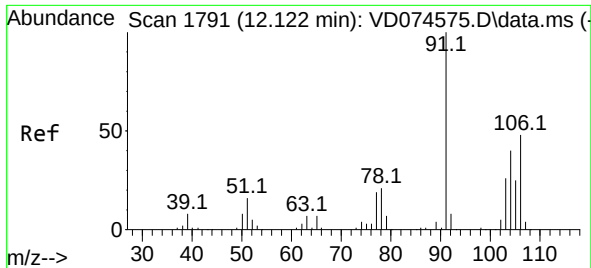
Tgt Ion:106 Resp: 9363

Ion Ratio Lower Upper

106 100

91 185.6 156.2 234.4

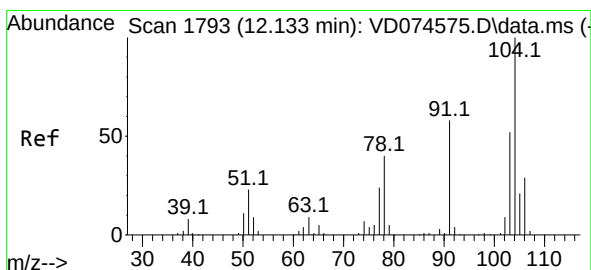
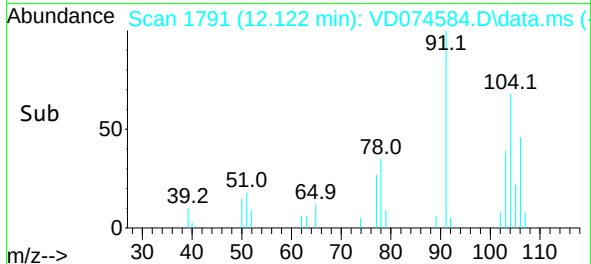
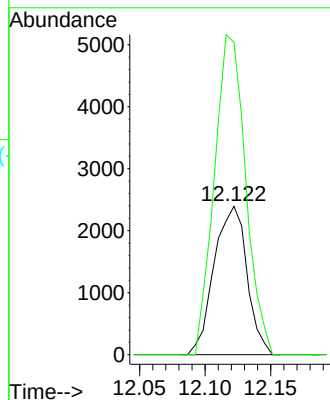
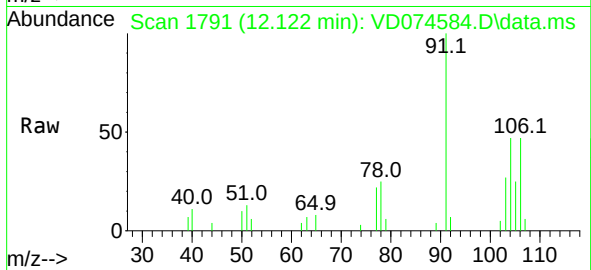




#69
o-Xylene
Concen: 2.433 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

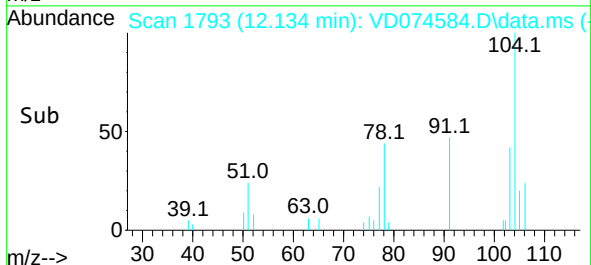
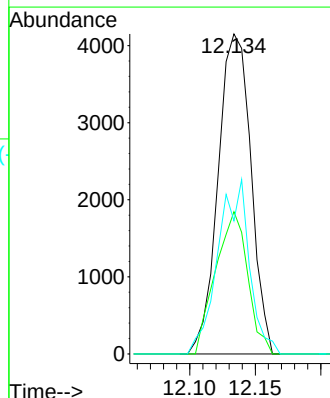
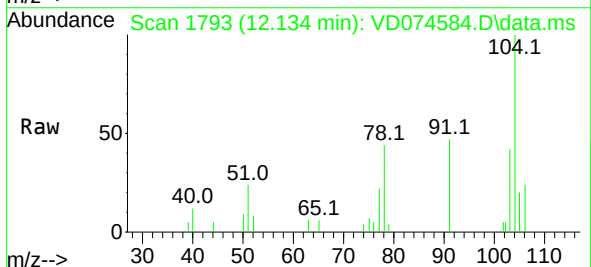
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

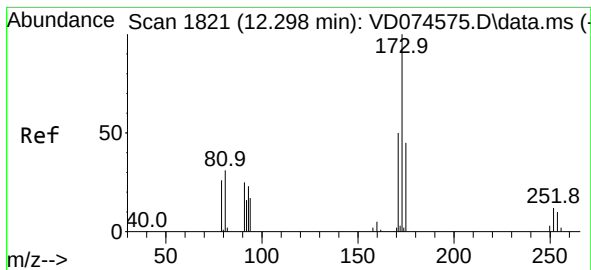
Tgt Ion:106 Resp: 4169
Ion Ratio Lower Upper
106 100
91 205.3 104.5 313.3



#70
Styrene
Concen: 2.503 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:104 Resp: 7223
Ion Ratio Lower Upper
104 100
78 43.5 35.7 53.5
103 51.9 43.7 65.5





#71

Bromoform

Concen: 2.303 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

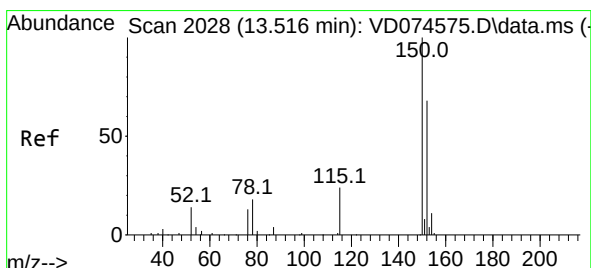
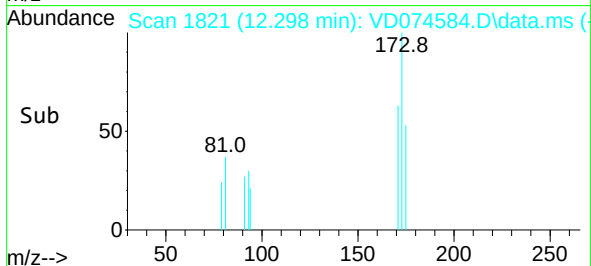
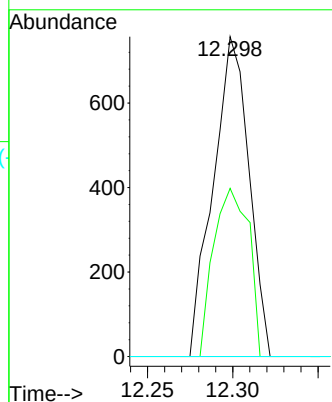
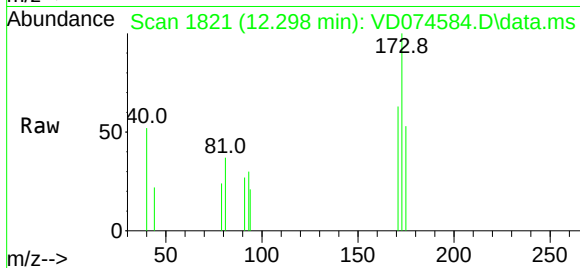
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:	173	Resp:	1105
Ion Ratio	Lower	Upper	
173	100		
175	51.7	23.1	69.3
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

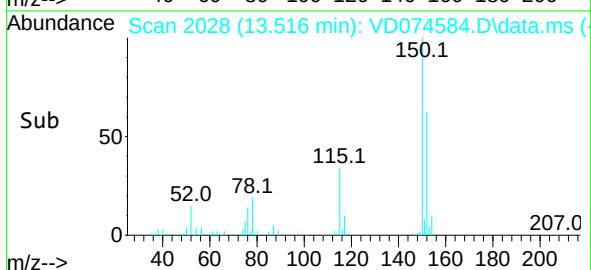
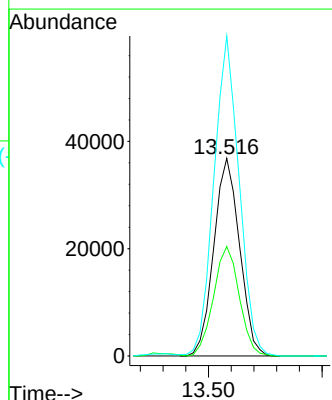
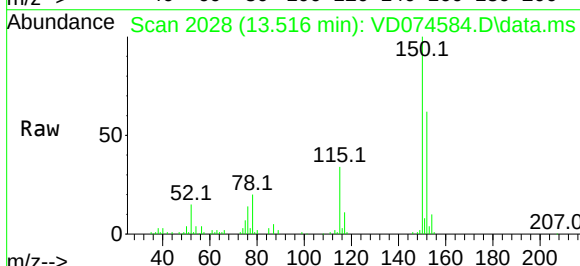
RT: 13.516 min Scan# 2028

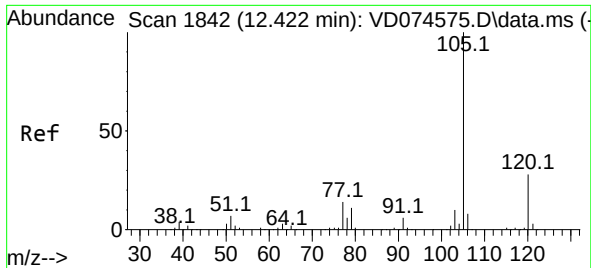
Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Tgt Ion:	152	Resp:	58059
Ion Ratio	Lower	Upper	
152	100		
115	55.3	26.8	80.4
150	158.0	0.0	348.2

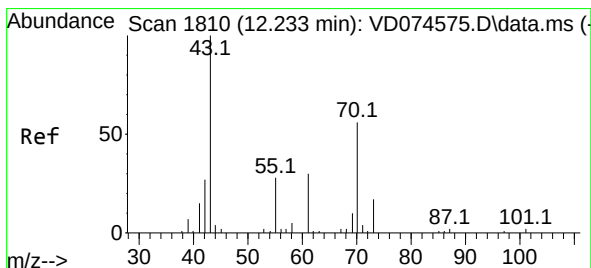
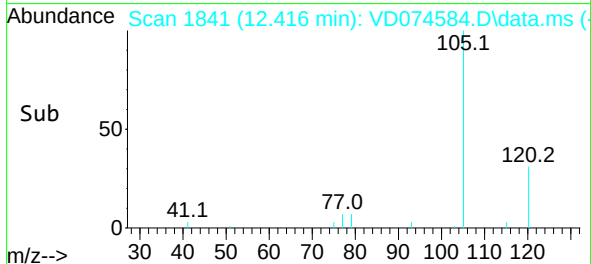
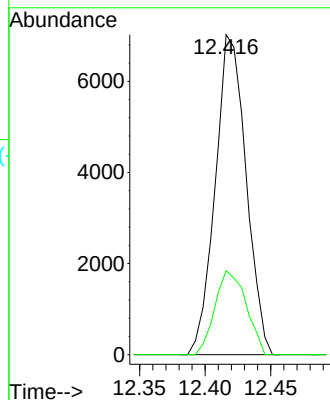
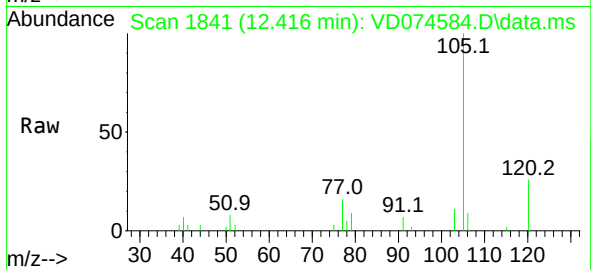




#73
Isopropylbenzene
Concen: 2.534 ug/l
RT: 12.416 min Scan# 11472
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

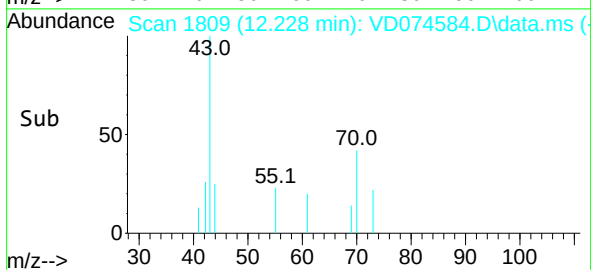
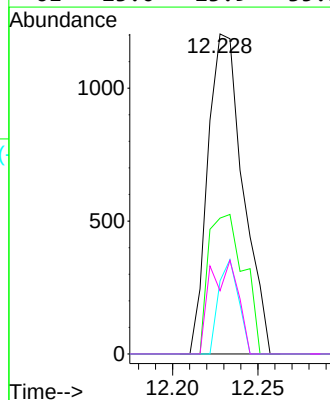
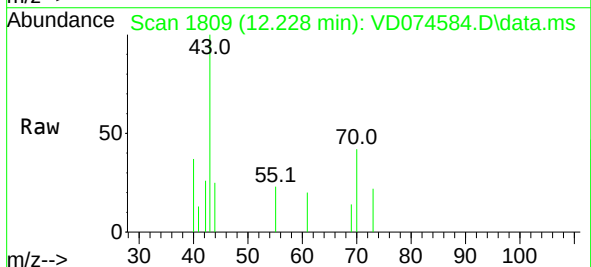
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

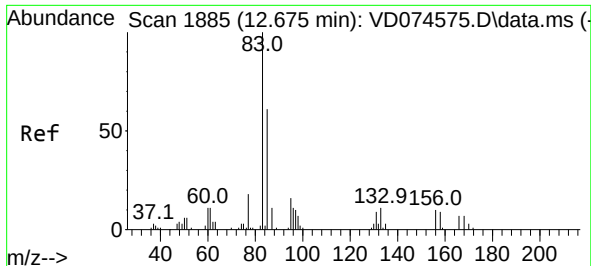
Tgt Ion:105 Resp: 11472
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#74
N-ethyl acetate
Concen: 2.586 ug/l
RT: 12.228 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 43 Resp: 1731
Ion Ratio Lower Upper
43 100
70 43.6 43.8 65.6#
55 16.6 22.0 33.0#
61 23.0 23.9 35.9#

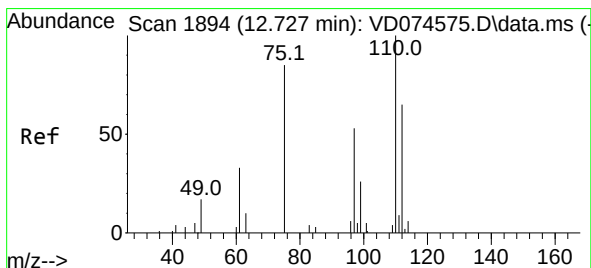
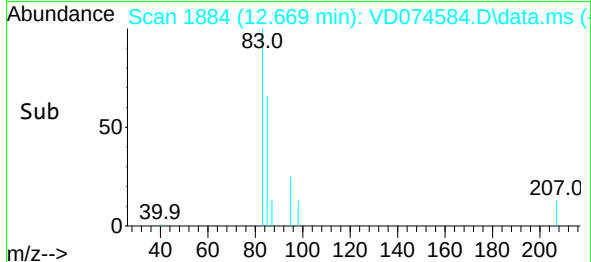
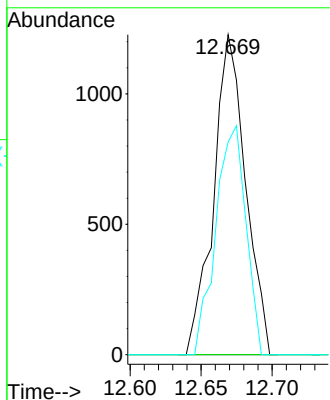
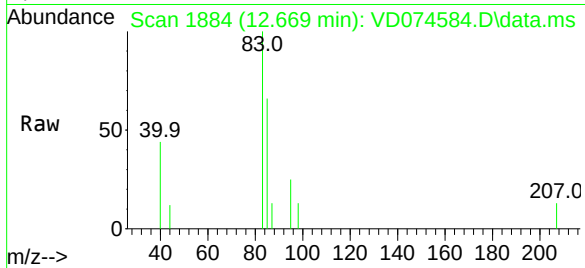




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.694 ug/l
 RT: 12.669 min Scan# 1884
 Delta R.T. -0.000 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

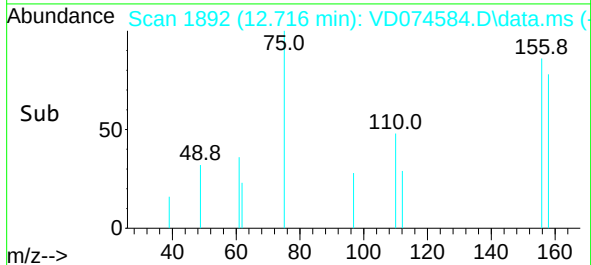
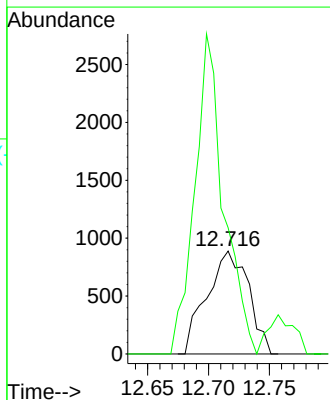
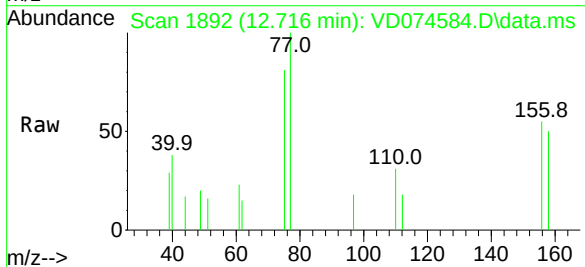
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT4-2022

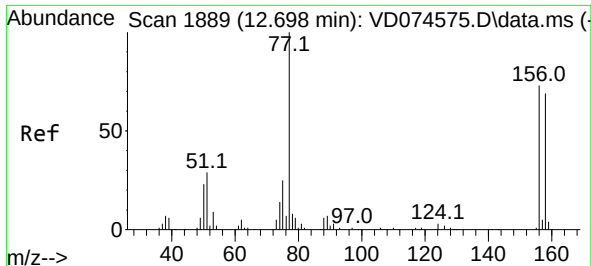
Tgt Ion: 83 Resp: 1931
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.1#
 85 66.9 33.1 99.2



#76
 1,2,3-Trichloropropane
 Concen: 4.172 ug/l
 RT: 12.716 min Scan# 1892
 Delta R.T. -0.000 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

Tgt Ion: 75 Resp: 2115
 Ion Ratio Lower Upper
 75 100
 77 215.8 185.8 557.5

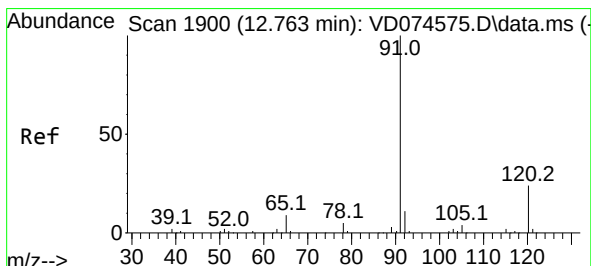
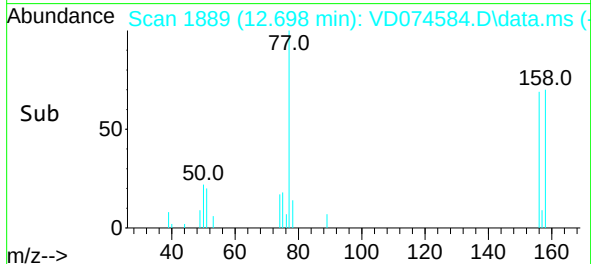
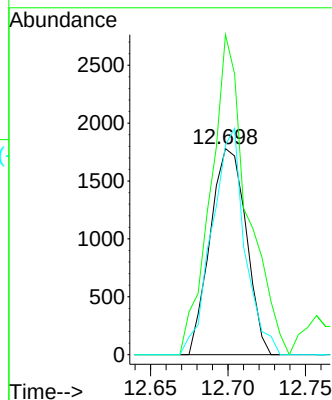
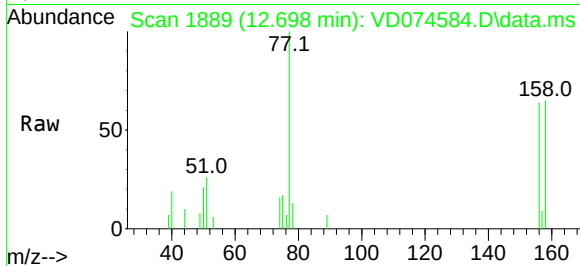




#77
Bromobenzene
Concen: 2.811 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

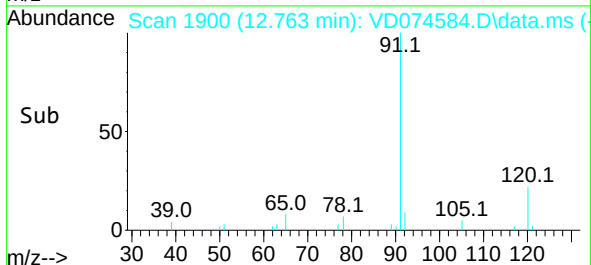
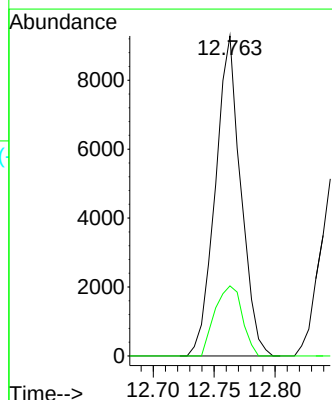
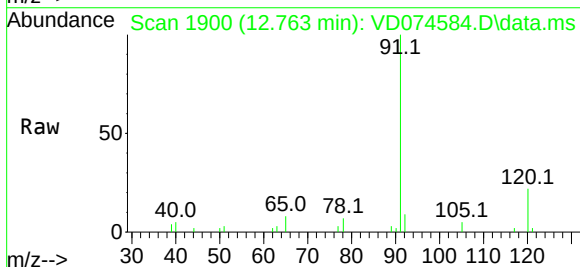
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

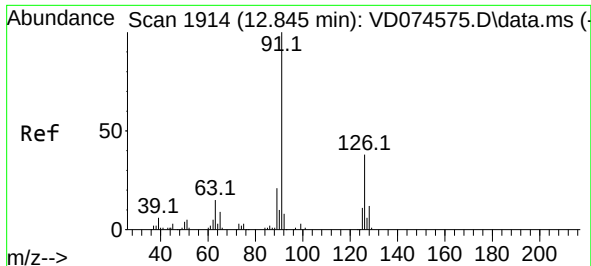
Tgt Ion:156 Resp: 2873
Ion Ratio Lower Upper
156 100
77 158.9 77.7 233.1
158 100.7 49.4 148.2



#78
n-propylbenzene
Concen: 2.522 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 91 Resp: 13498
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.7

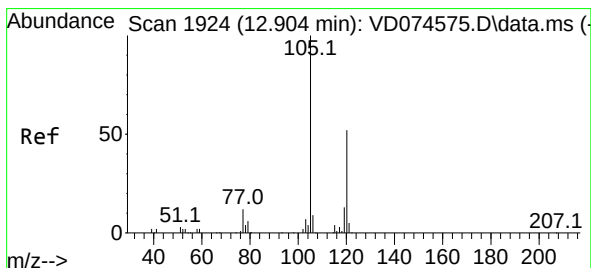
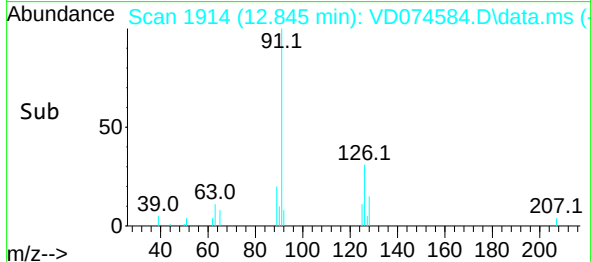
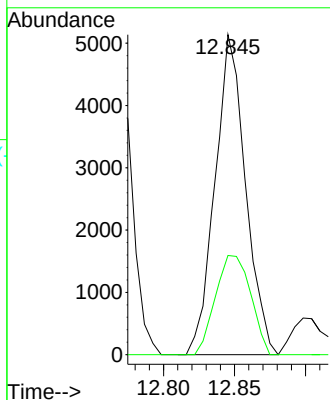
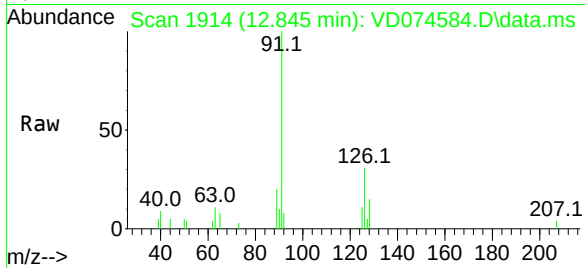




#79
2-Chlorotoluene
Concen: 2.650 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

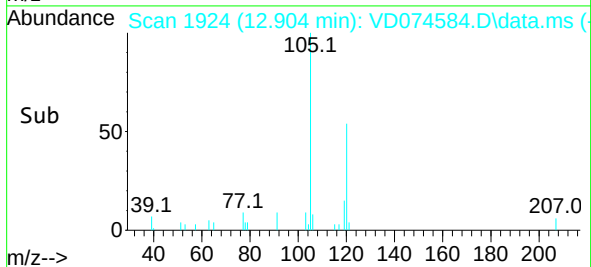
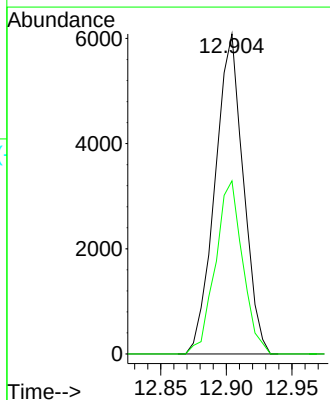
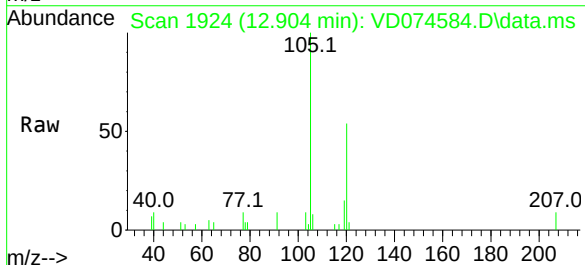
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

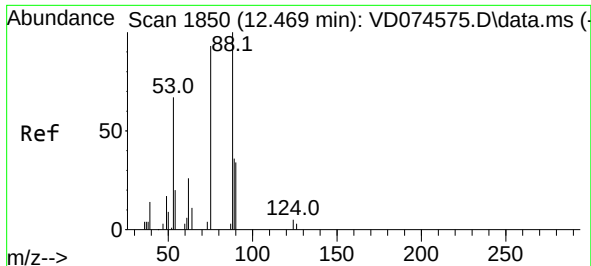
Tgt Ion: 91 Resp: 7682
Ion Ratio Lower Upper
91 100
126 35.7 18.3 54.8



#80
1,3,5-Trimethylbenzene
Concen: 2.484 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 105 Resp: 9129
Ion Ratio Lower Upper
105 100
120 52.1 25.7 77.0

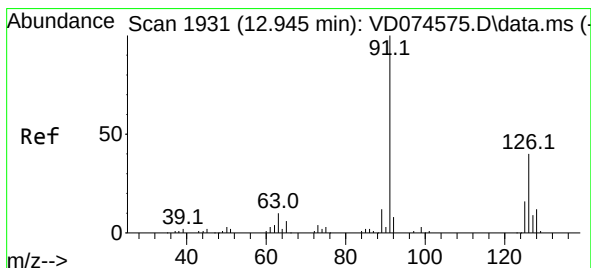
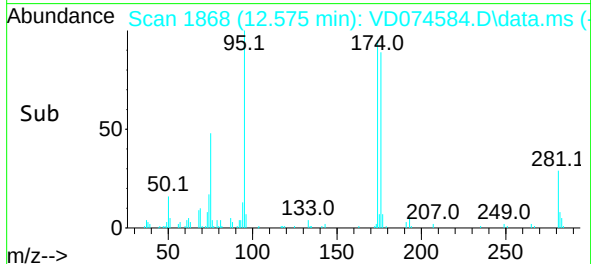
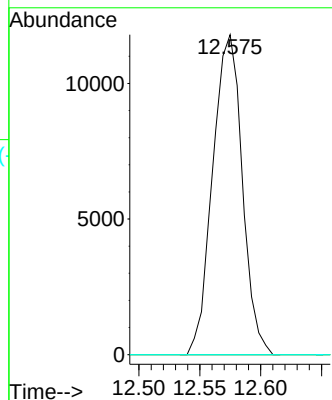
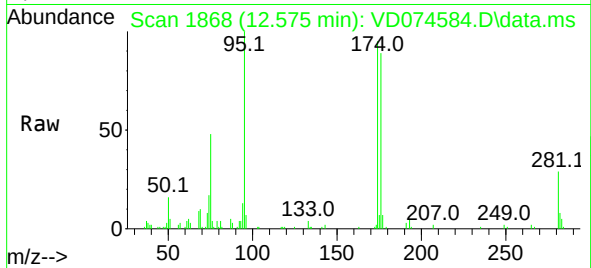




#81
trans-1,4-Dichloro-2-butene
Concen: 100.621 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.112 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

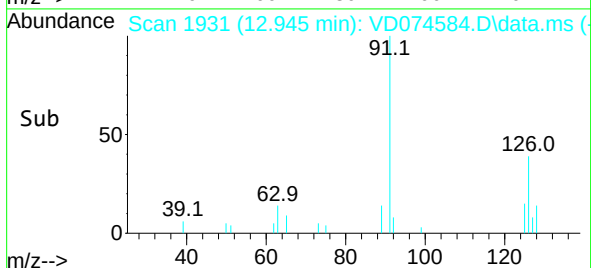
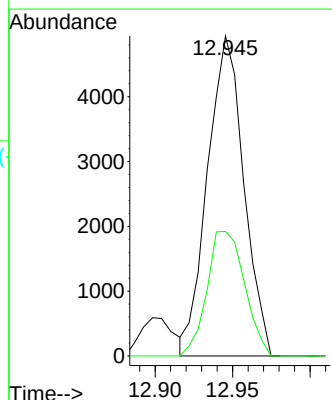
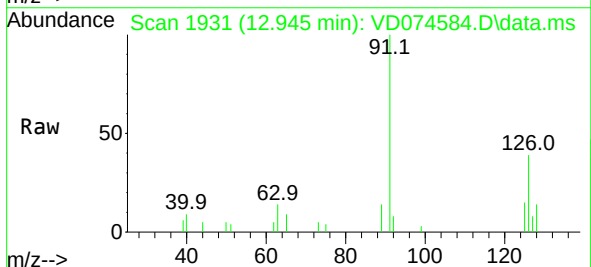
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

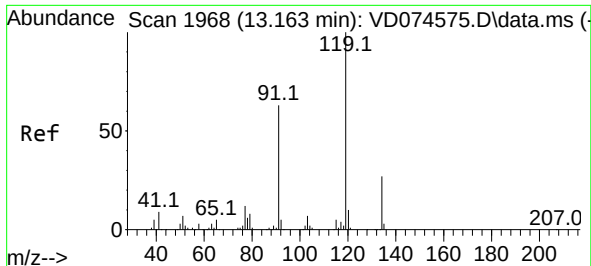
Tgt Ion: 75 Resp: 19961
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 2.692 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.005 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 91 Resp: 8019
Ion Ratio Lower Upper
91 100
126 40.4 18.8 56.4

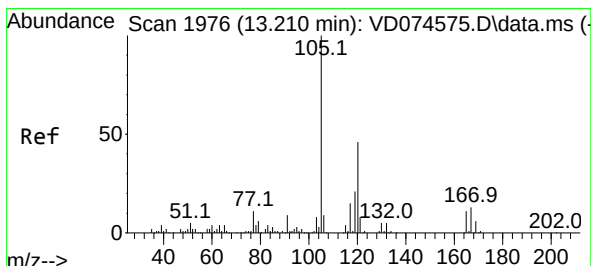
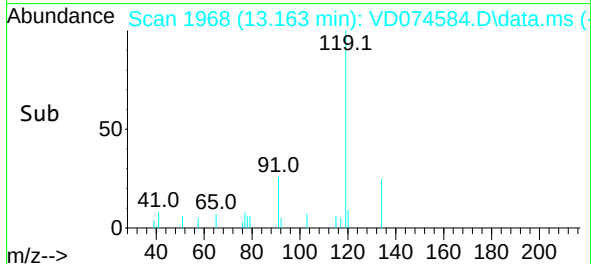
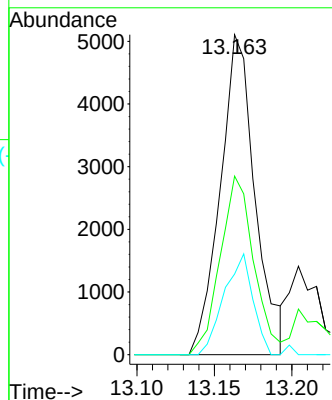
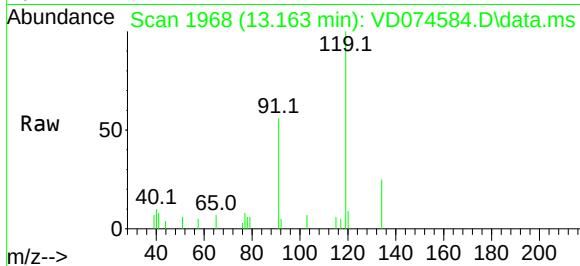




#83
tert-Butylbenzene
Concen: 2.437 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

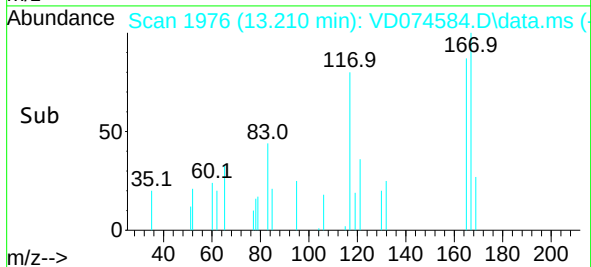
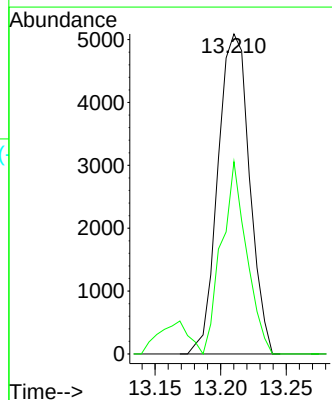
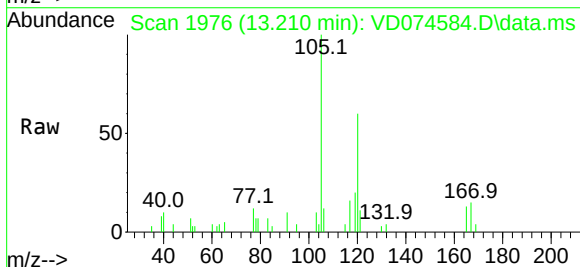
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

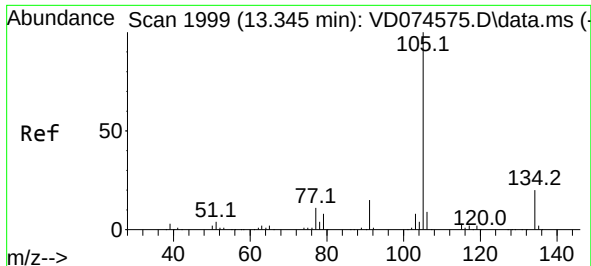
Tgt Ion:	119	Resp:	7992
Ion	Ratio	Lower	Upper
119	100		
91	53.8	30.0	90.0
134	26.1	13.4	40.1



#84
1,2,4-Trimethylbenzene
Concen: 2.357 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:	105	Resp:	8527
Ion	Ratio	Lower	Upper
105	100		
120	47.8	22.9	68.7

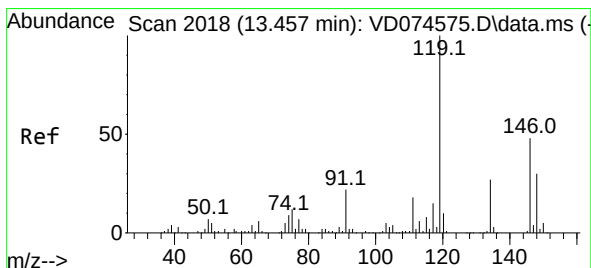
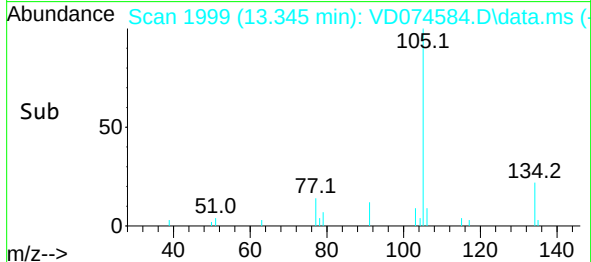
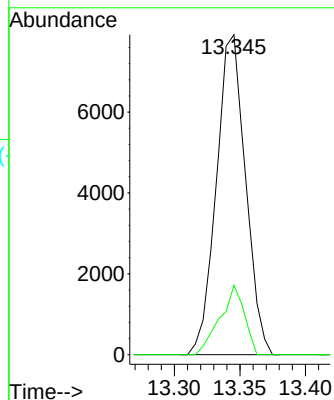
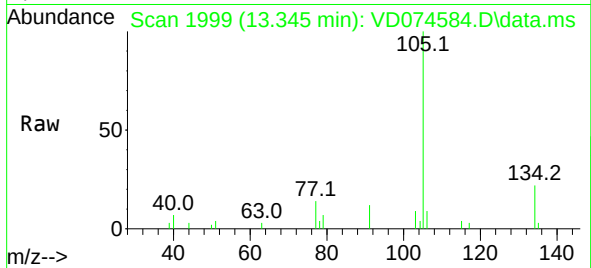




#85
 sec-Butylbenzene
 Concen: 2.485 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

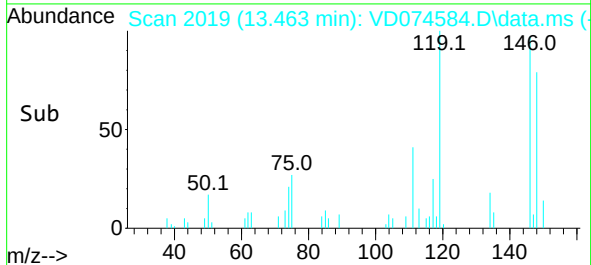
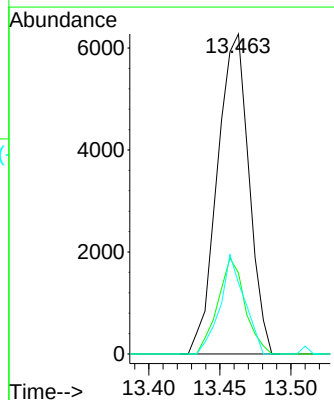
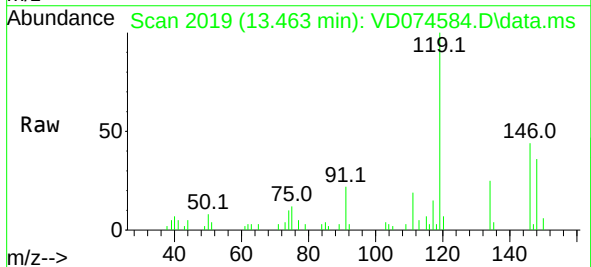
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

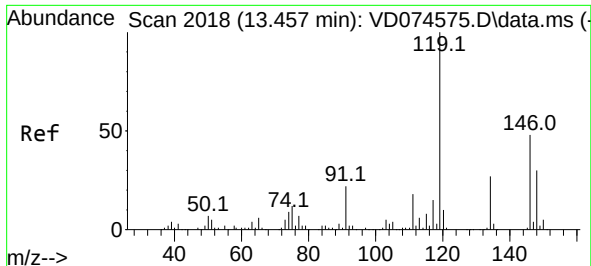
Tgt Ion:105 Resp: 12226
 Ion Ratio Lower Upper
 105 100
 134 18.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 2.351 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD074584.D
 Acq: 19 Oct 2022 17:39

Tgt Ion:119 Resp: 9691
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.5 40.4
 91 23.8 10.8 32.4

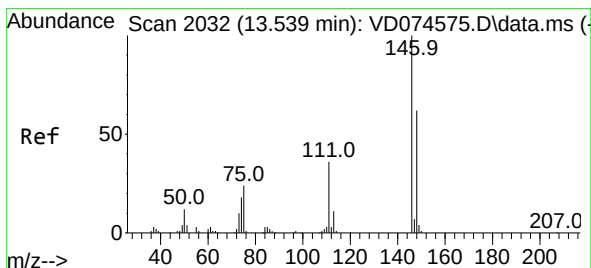
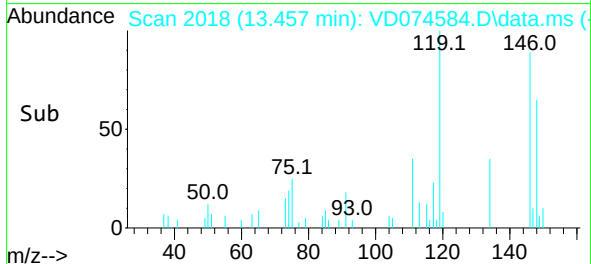
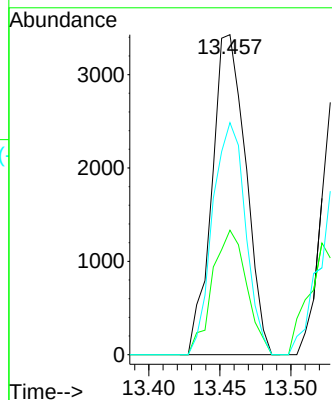
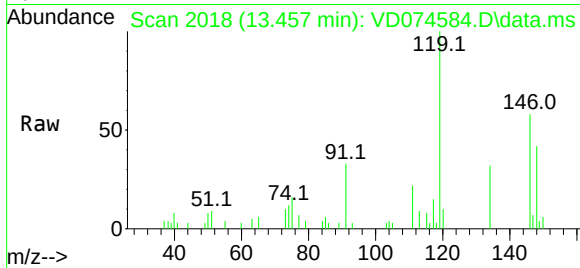




#87
1,3-Dichlorobenzene
Concen: 2.672 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

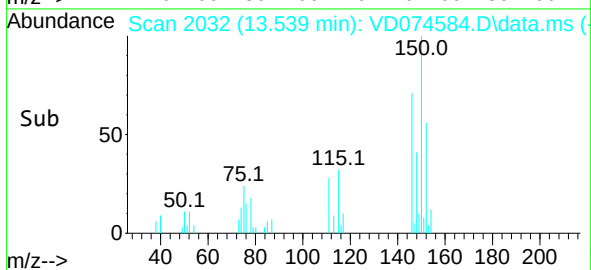
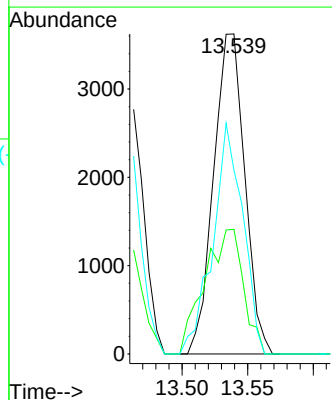
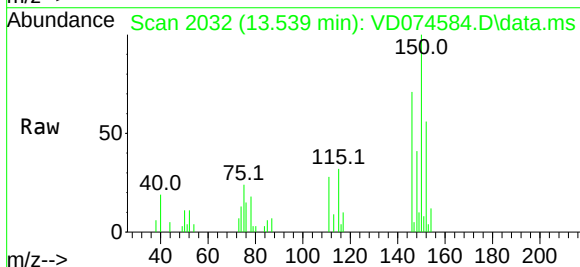
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

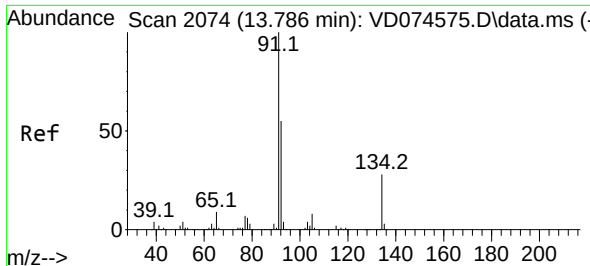
Tgt Ion:146 Resp: 5674
Ion Ratio Lower Upper
146 100
111 39.4 18.3 54.8
148 70.7 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 2.881 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.005 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:146 Resp: 5989
Ion Ratio Lower Upper
146 100
111 48.7 17.7 53.1
148 69.2 32.3 96.9

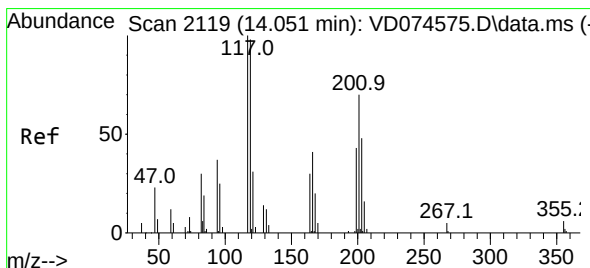
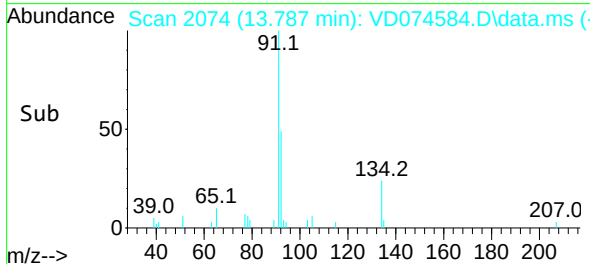
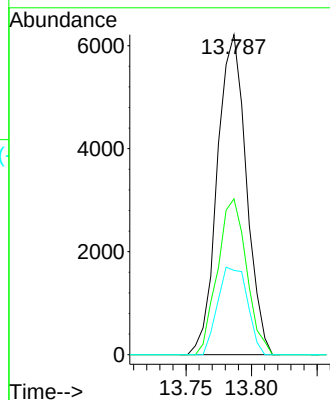
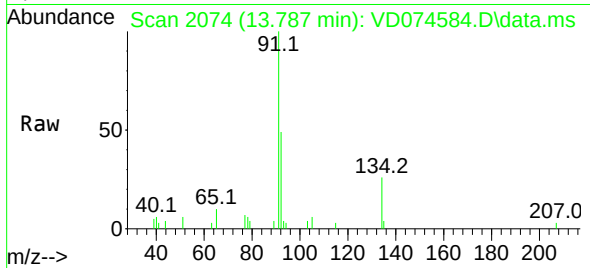




#89
n-Butylbenzene
Concen: 2.541 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

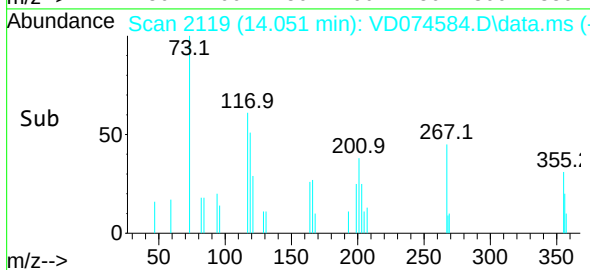
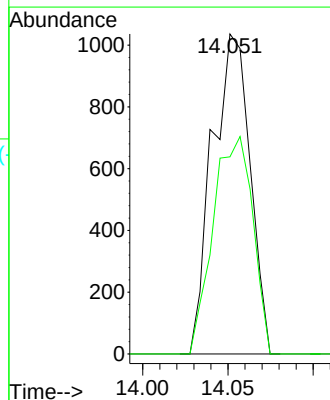
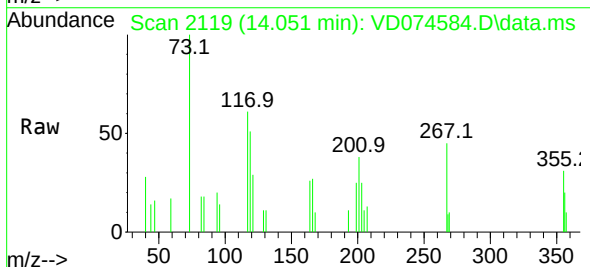
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

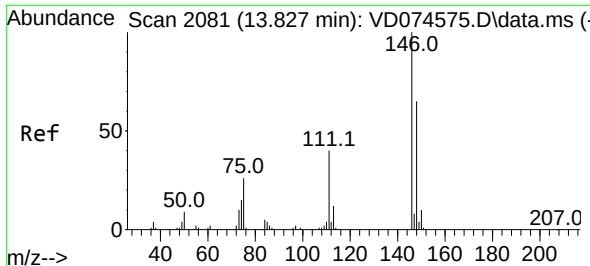
Tgt Ion: 91	Resp:	9543
Ion	Ratio	Lower Upper
91	100	
92	48.7	26.9 80.7
134	28.0	13.4 40.2



#90
Hexachloroethane
Concen: 2.224 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion: 117	Resp:	1596
Ion	Ratio	Lower Upper
117	100	
201	71.3	38.0 114.0

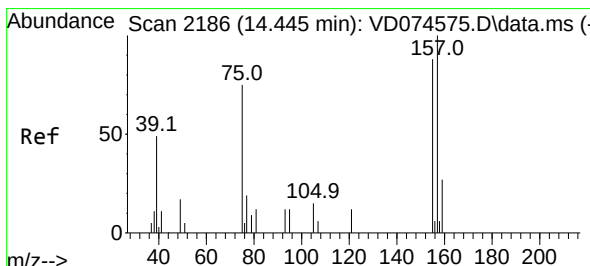
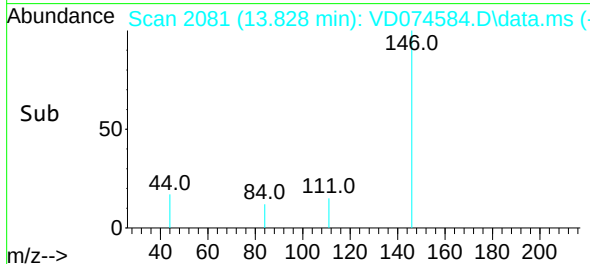
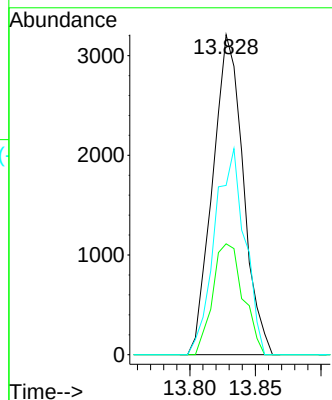
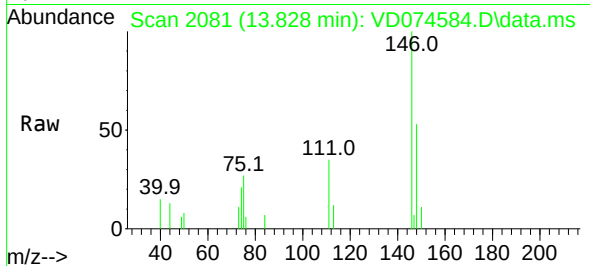




#91
1,2-Dichlorobenzene
Concen: 2.934 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

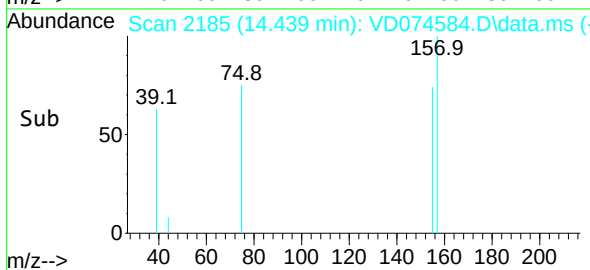
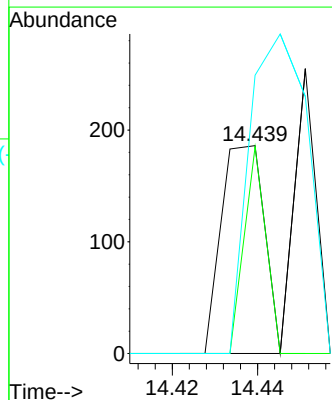
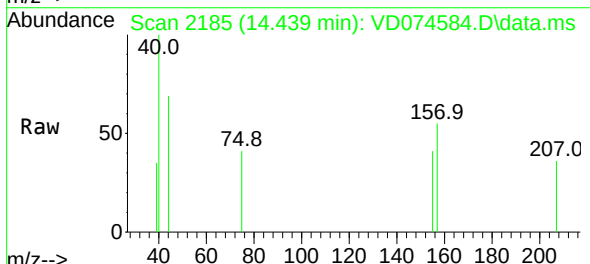
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2022

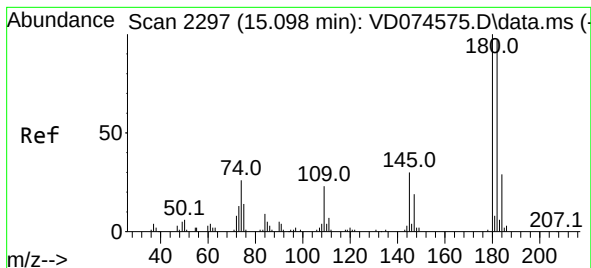
Tgt Ion:	146	Resp:	5197
Ion	Ratio	Lower	Upper
146	100		
111	34.7	18.9	56.5
148	64.0	31.9	95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.311 ug/l
RT: 14.439 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:	75	Resp:	130
Ion	Ratio	Lower	Upper
75	100		
155	50.0	51.2	153.8#
157	207.7	68.2	204.5#





#93

1,2,4-Trichlorobenzene

Concen: 2.971 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2022

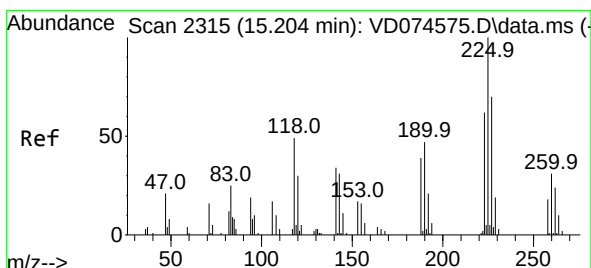
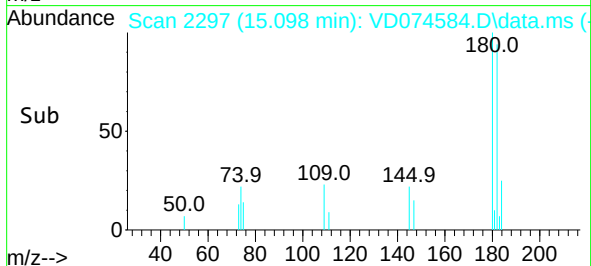
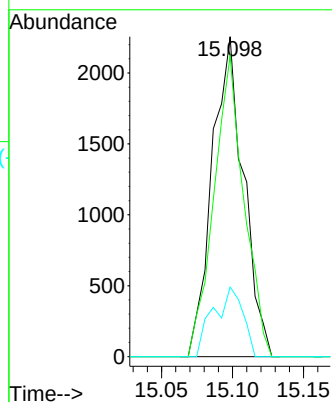
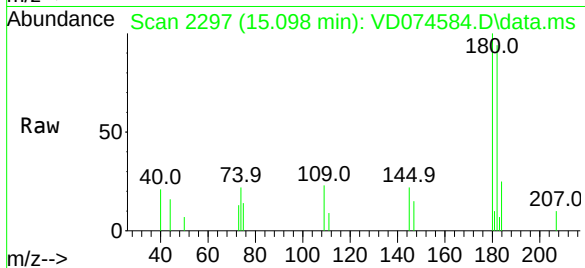
Tgt Ion:180 Resp: 3472

Ion Ratio Lower Upper

180 100

182 90.0 46.9 140.6

145 20.4 14.1 42.3



#94

Hexachlorobutadiene

Concen: 2.395 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. 0.000 min

Lab File: VD074584.D

Acq: 19 Oct 2022 17:39

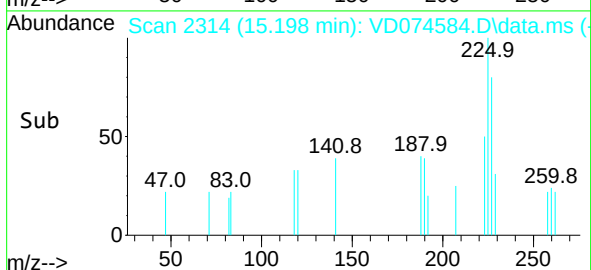
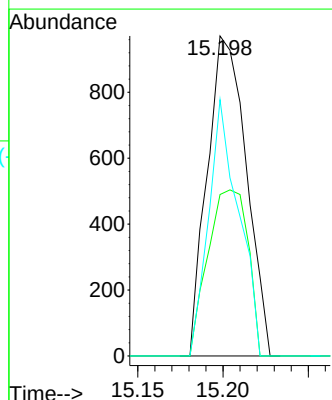
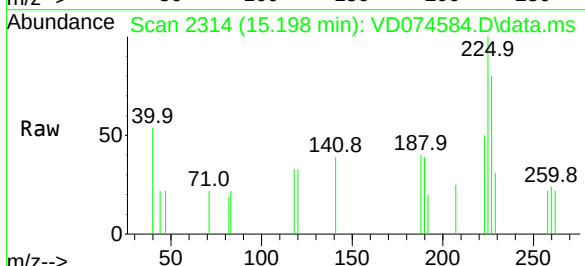
Tgt Ion:225 Resp: 1540

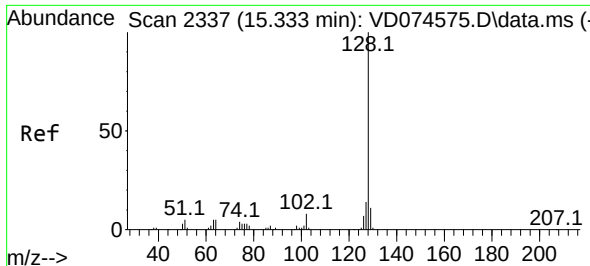
Ion Ratio Lower Upper

225 100

223 53.4 31.9 95.5

227 61.8 32.6 97.8

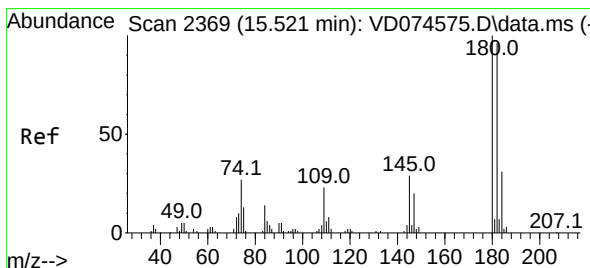
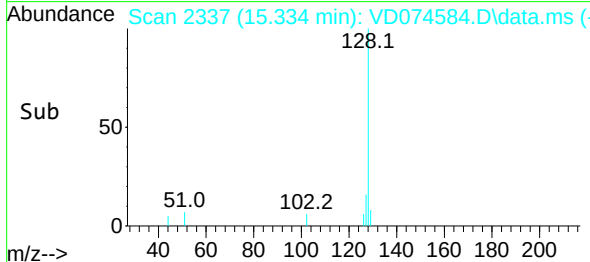
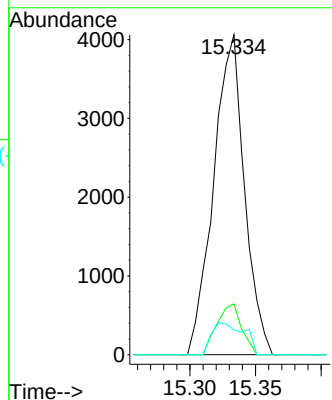
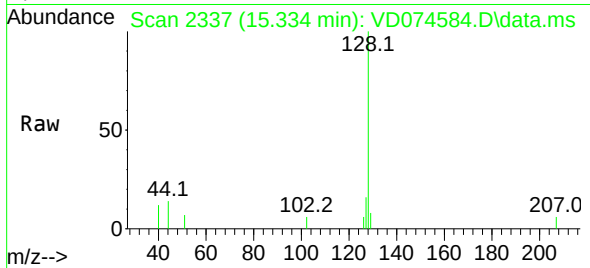




#95
Naphthalene
Concen: 3.019 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

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

Tgt Ion:	128	Resp:	6641
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.5	8.3	12.5



#96
1,2,3-Trichlorobenzene
Concen: 2.708 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD074584.D
Acq: 19 Oct 2022 17:39

Tgt Ion:	180	Resp:	2713
Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.7	140.1
145	28.2	14.9	44.7

