

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078943.D
 Acq On : 16 May 2024 12:45
 Operator : RP/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 17 06:55:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 06:53:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	112842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	197112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	90709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	64593	61.026	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.060%	
35) Dibromofluoromethane	7.810	113	74444	56.736	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.480%	
50) Toluene-d8	10.269	98	273731	55.649	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.300%	
62) 4-Bromofluorobenzene	12.575	95	72682	52.598	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	4282	4.061	ug/l	88
3) Chloromethane	2.152	50	7775	4.838	ug/l	92
4) Vinyl Chloride	2.287	62	11241	4.625	ug/l	98
5) Bromomethane	2.693	94	11402	4.854	ug/l	95
6) Chloroethane	2.840	64	9133	4.525	ug/l	94
7) Trichlorofluoromethane	3.181	101	8750	3.959	ug/l	87
8) Diethyl Ether	3.587	74	1952	3.519	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.963	101	5489	4.704	ug/l	93
10) Methyl Iodide	4.169	142	5348	3.836	ug/l #	97
11) Tert butyl alcohol	5.052	59	1020	20.223	ug/l #	86
12) 1,1-Dichloroethene	3.940	96	5478	4.795	ug/l #	72
13) Acrolein	3.793	56	849	8.058	ug/l #	1
14) Allyl chloride	4.563	41	4843	4.345	ug/l #	73
15) Acrylonitrile	5.263	53	4484	21.916	ug/l #	91
16) Acetone	4.022	43	3935	23.316	ug/l #	71
17) Carbon Disulfide	4.275	76	17160	4.669	ug/l #	95
18) Methyl Acetate	4.569	43	1981	5.098	ug/l #	70
19) Methyl tert-butyl Ether	5.322	73	9234	4.149	ug/l #	87
20) Methylene Chloride	4.799	84	11281	6.470	ug/l	94
21) trans-1,2-Dichloroethene	5.305	96	3475	2.729	ug/l #	64
22) Diisopropyl ether	6.222	45	9358	3.712	ug/l	93
23) Vinyl Acetate	6.163	43	27223	18.003	ug/l	95
24) 1,1-Dichloroethane	6.116	63	9554	4.780	ug/l #	90
25) 2-Butanone	7.099	43	5309	23.520	ug/l #	84
26) 2,2-Dichloropropane	7.081	77	8428	4.799	ug/l	92
27) cis-1,2-Dichloroethene	7.093	96	6135	4.103	ug/l	84
28) Bromochloromethane	7.428	49	3501	5.253	ug/l #	77
29) Tetrahydrofuran	7.457	42	2754	21.094	ug/l	91
30) Chloroform	7.599	83	10030	4.431	ug/l	88
31) Cyclohexane	7.887	56	8048	5.204	ug/l #	91
32) 1,1,1-Trichloroethane	7.793	97	8831	4.555	ug/l #	88
36) 1,1-Dichloropropene	8.004	75	6263	3.836	ug/l	99
37) Ethyl Acetate	7.169	43	1970	3.540	ug/l #	64
38) Carbon Tetrachloride	7.993	117	7954	4.163	ug/l #	79
39) Methylcyclohexane	9.269	83	6554	3.304	ug/l	95
40) Benzene	8.251	78	22557	4.271	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	324	1.082	ug/l #	1
42) 1,2-Dichloroethane	8.328	62	5838	4.567	ug/l	86
43) Isopropyl Acetate	8.363	43	4185	4.239	ug/l #	85
44) Trichloroethene	9.028	130	5614	4.008	ug/l	97
45) 1,2-Dichloropropane	9.304	63	4842	4.172	ug/l #	80
46) Dibromomethane	9.398	93	3092	4.047	ug/l	91
47) Bromodichloromethane	9.581	83	8046	4.375	ug/l #	84
48) Methyl methacrylate	9.387	41	1499	3.119	ug/l #	87
49) 1,4-Dioxane	9.387	88	256	38.094	ug/l #	52
51) 4-Methyl-2-Pentanone	10.163	43	8942	17.003	ug/l	96
52) Toluene	10.334	92	13980	4.135	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	6618	4.235	ug/l	89
54) cis-1,3-Dichloropropene	10.016	75	7408	3.950	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	4195	4.250	ug/l #	75
56) Ethyl methacrylate	10.593	69	3617	3.562	ug/l	95
57) 1,3-Dichloropropane	10.881	76	6567	4.273	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	7624	17.473	ug/l	99
59) 2-Hexanone	10.922	43	6720	18.358	ug/l	93
60) Dibromochloromethane	11.075	129	5201	3.865	ug/l	95
61) 1,2-Dibromoethane	11.181	107	3434	3.816	ug/l	83
64) Tetrachloroethene	10.810	164	4576	3.846	ug/l #	89
65) Chlorobenzene	11.604	112	16582	4.251	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.675	131	6259	4.641	ug/l	88
67) Ethyl Benzene	11.687	91	23379	3.726	ug/l #	86
68) m/p-Xylenes	11.792	106	18339	7.189	ug/l	98
69) o-Xylene	12.122	106	7667	3.297	ug/l	86
70) Styrene	12.134	104	14410	3.496	ug/l	97
71) Bromoform	12.298	173	2968	3.842	ug/l #	87
73) Isopropylbenzene	12.422	105	19358	3.576	ug/l	97
74) N-amyl acetate	12.228	43	3508	3.993	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.675	83	4675	4.787	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	5481	8.583	ug/l #	100
77) Bromobenzene	12.698	156	6163	4.329	ug/l	95
78) n-propylbenzene	12.763	91	26531	4.054	ug/l	99
79) 2-Chlorotoluene	12.845	91	14467	3.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	16753	3.724	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	1275	3.959	ug/l #	88
82) 4-Chlorotoluene	12.945	91	15017	3.936	ug/l	100
83) tert-Butylbenzene	13.163	119	14010	3.522	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	15316	3.287	ug/l	97
85) sec-Butylbenzene	13.345	105	20760	3.498	ug/l	95
86) p-Isopropyltoluene	13.463	119	17569	3.398	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	12238	4.062	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	11877	4.025	ug/l	85
89) n-Butylbenzene	13.786	91	15982	3.450	ug/l	97
90) Hexachloroethane	14.051	117	5145	4.718	ug/l	86
91) 1,2-Dichlorobenzene	13.834	146	10738	4.260	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	547	4.207	ug/l	87
93) 1,2,4-Trichlorobenzene	15.098	180	5326	3.598	ug/l	97
94) Hexachlorobutadiene	15.204	225	2965	3.833	ug/l	92
95) Naphthalene	15.328	128	9544	3.786	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.516	180	4864	3.694	ug/l	91

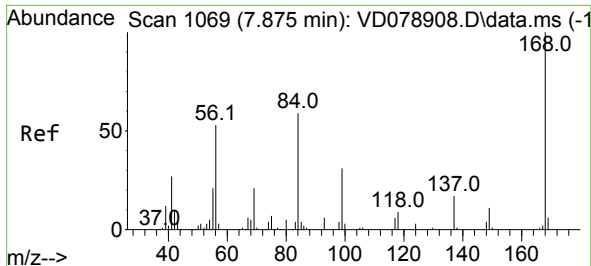
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
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Quant Title : SW846 8260
QLast Update : Fri May 17 06:53:52 2024
Response via : Initial Calibration

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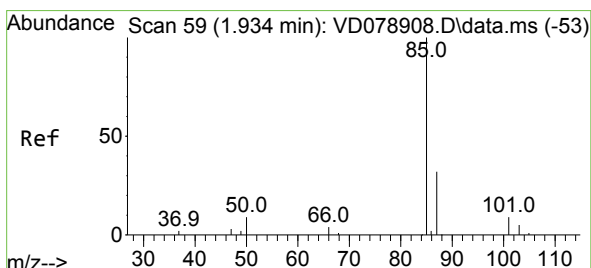
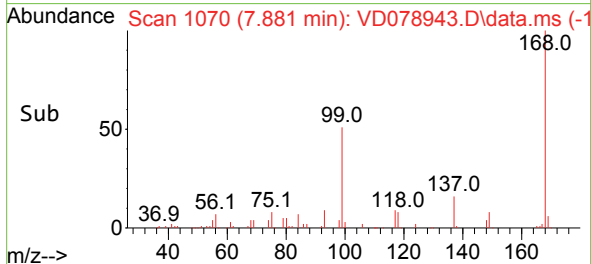
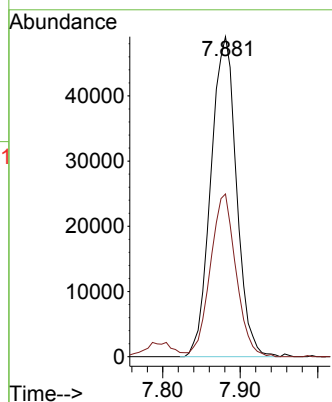
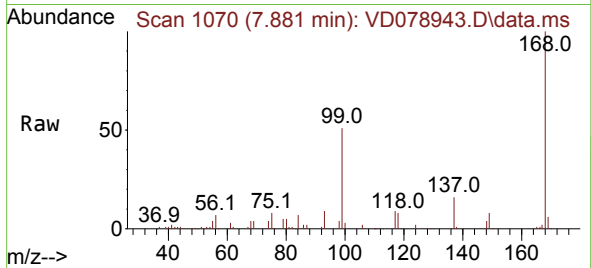
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

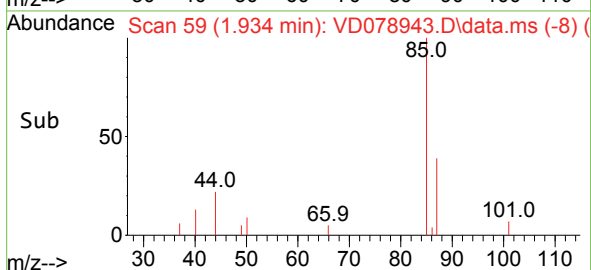
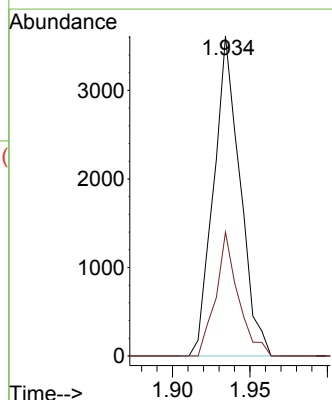
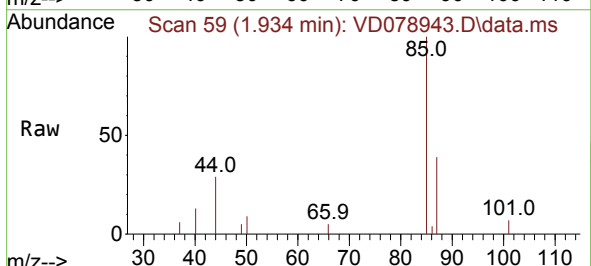
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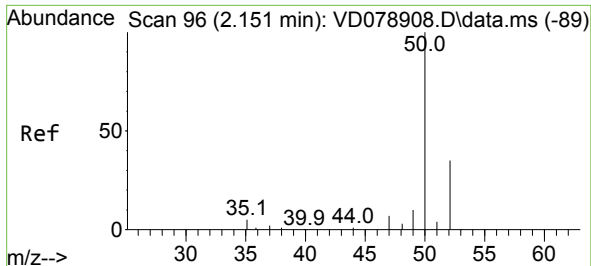
Tgt Ion:168 Resp: 112842
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7



#2
Dichlorodifluoromethane
Concen: 4.061 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 85 Resp: 4282
Ion Ratio Lower Upper
85 100
87 38.7 16.0 48.0

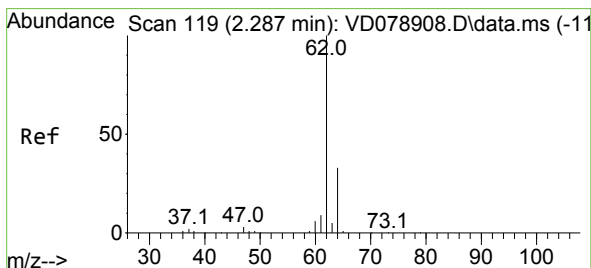
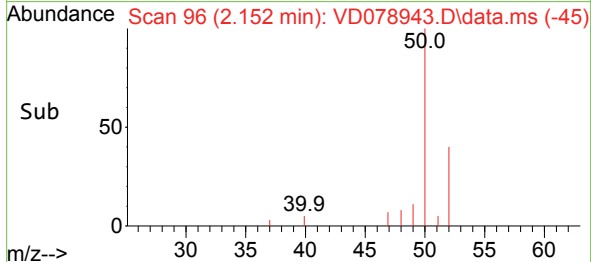
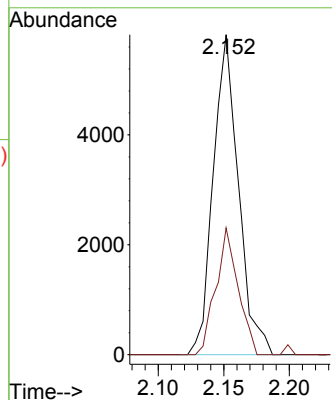
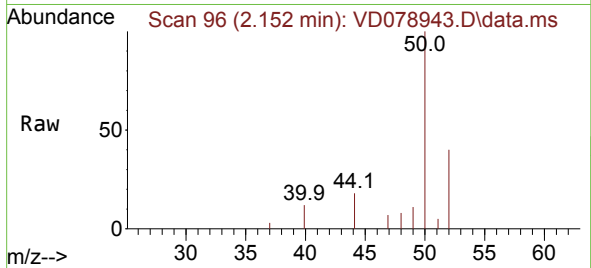




#3
Chloromethane
Concen: 4.838 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.001 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

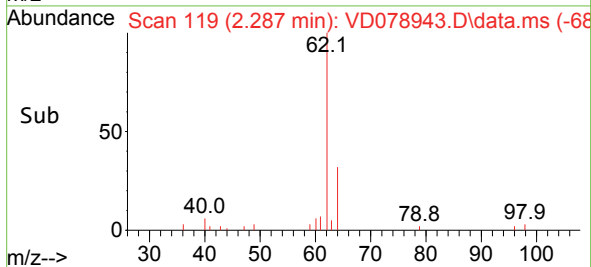
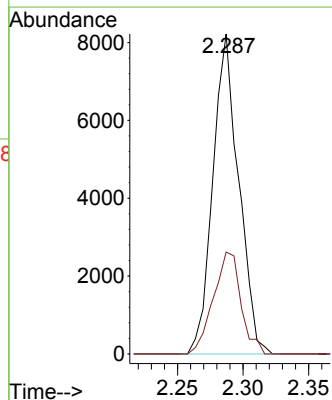
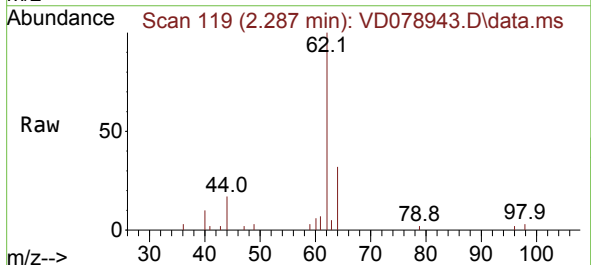
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ClientSampleId :
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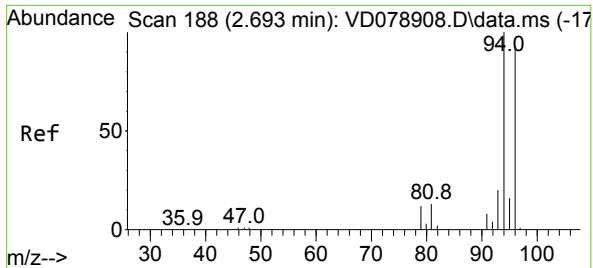
Tgt Ion: 50 Resp: 7775
Ion Ratio Lower Upper
50 100
52 39.6 28.2 42.2



#4
Vinyl Chloride
Concen: 4.625 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 62 Resp: 11241
Ion Ratio Lower Upper
62 100
64 31.9 26.3 39.5

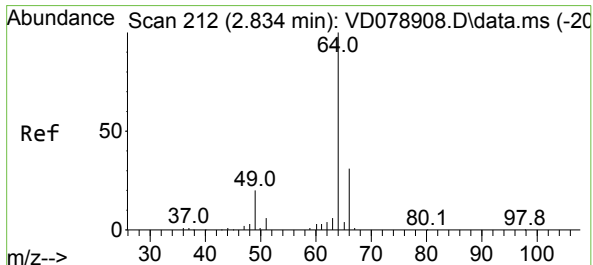
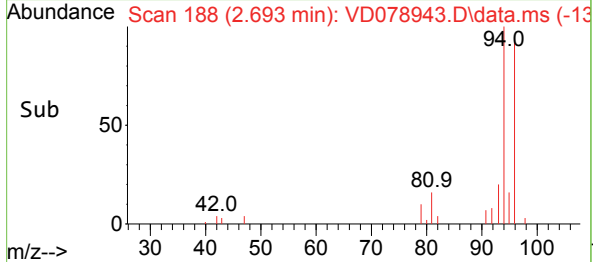
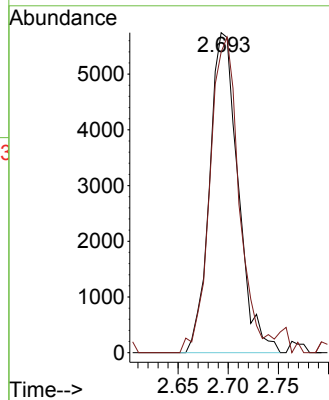
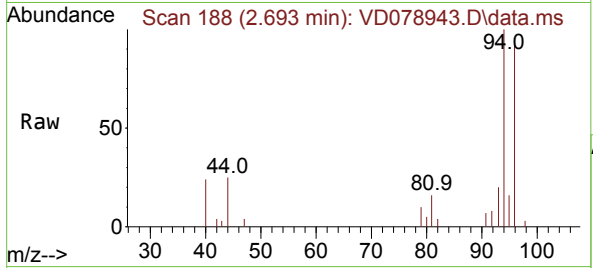




#5
Bromomethane
Concen: 4.854 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

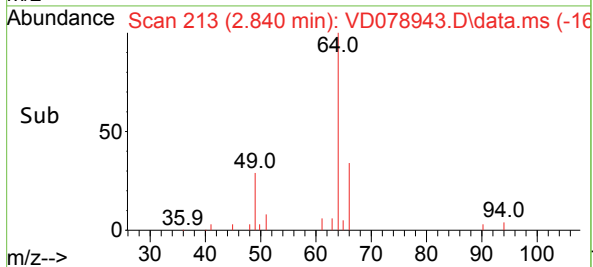
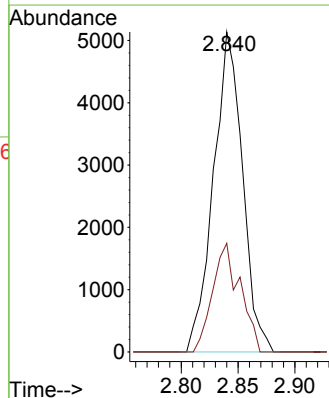
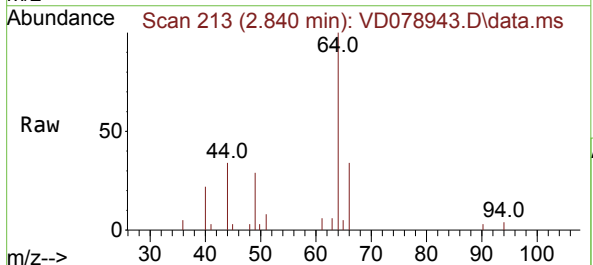
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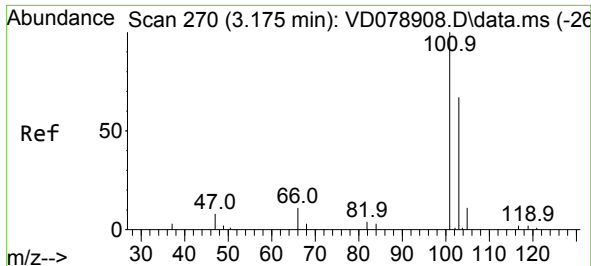
Tgt Ion: 94 Resp: 11402
Ion Ratio Lower Upper
94 100
96 100.8 76.9 115.3



#6
Chloroethane
Concen: 4.525 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 64 Resp: 9133
Ion Ratio Lower Upper
64 100
66 33.9 24.5 36.7

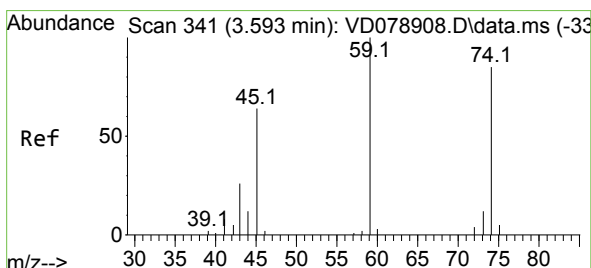
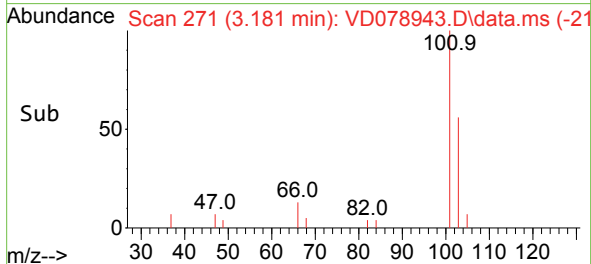
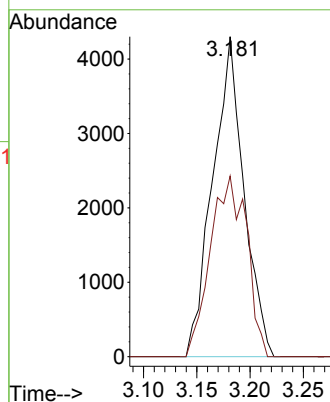
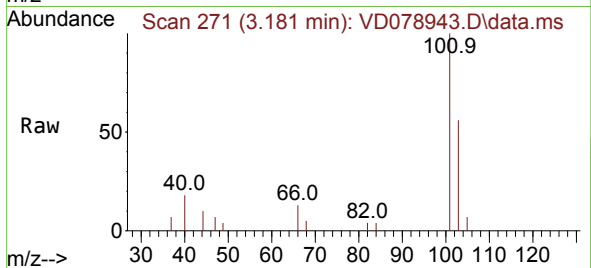




#7
Trichlorofluoromethane
Concen: 3.959 ug/l
RT: 3.181 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

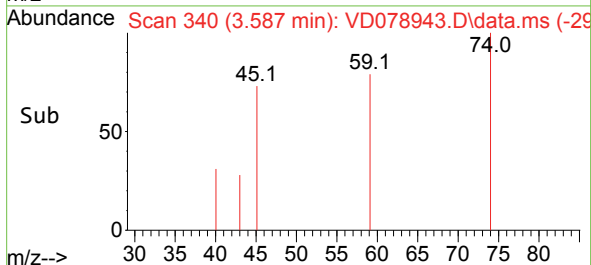
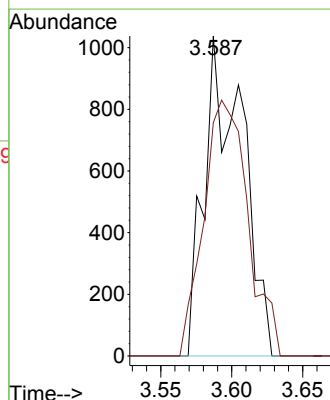
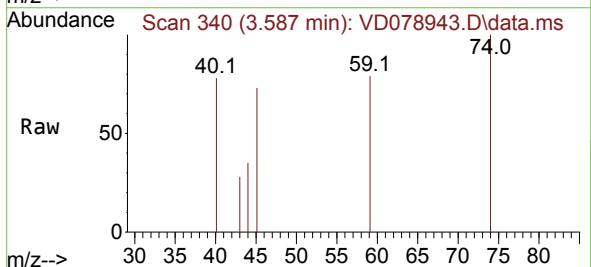
Instrument :
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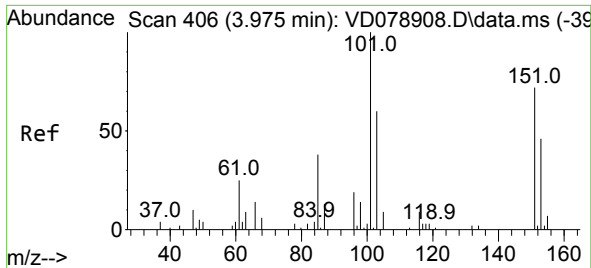
Tgt Ion:101 Resp: 8750
Ion Ratio Lower Upper
101 100
103 56.4 53.2 79.8



#8
Diethyl Ether
Concen: 3.519 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 74 Resp: 1952
Ion Ratio Lower Upper
74 100
45 92.0 37.9 113.6

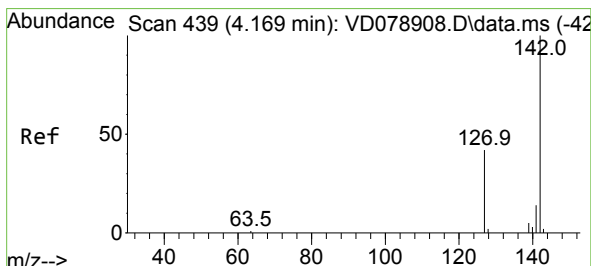
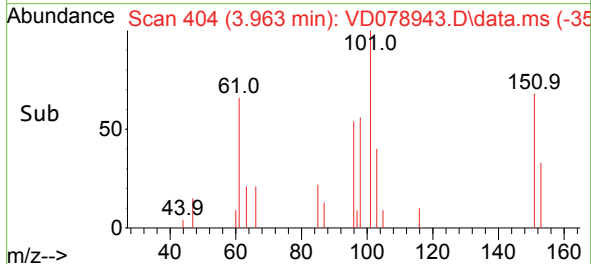
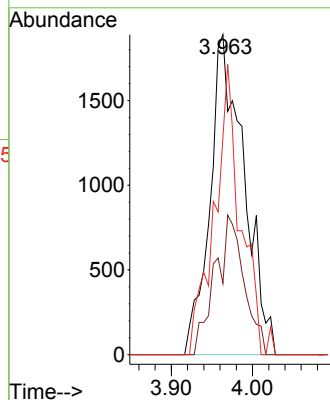
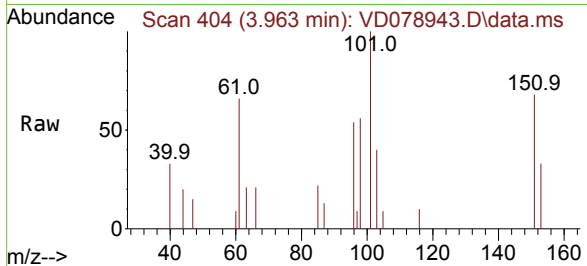




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.704 ug/l
RT: 3.963 min Scan# 406
Delta R.T. -0.011 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

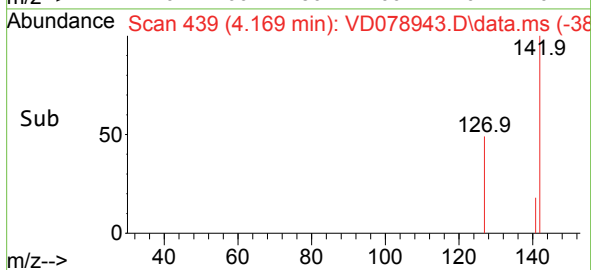
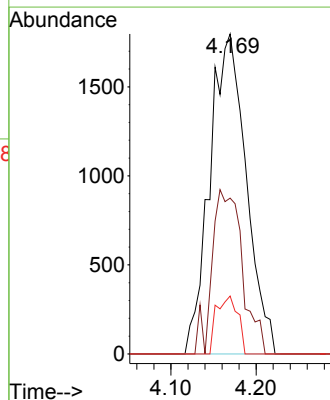
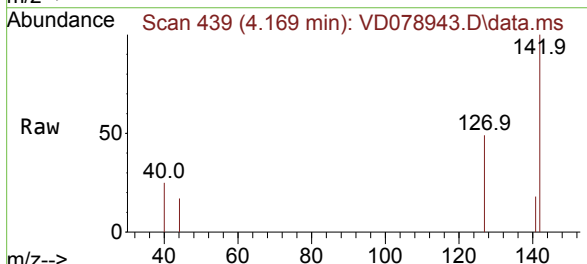
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

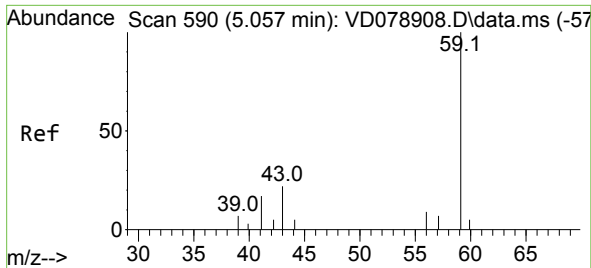
Tgt Ion:	101	Resp:	5489
Ion	Ratio	Lower	Upper
101	100		
85	37.4	33.5	50.3
151	69.0	60.3	90.5



#10
Methyl Iodide
Concen: 3.836 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:	142	Resp:	5348
Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.2	51.4
141	10.6	11.7	17.5

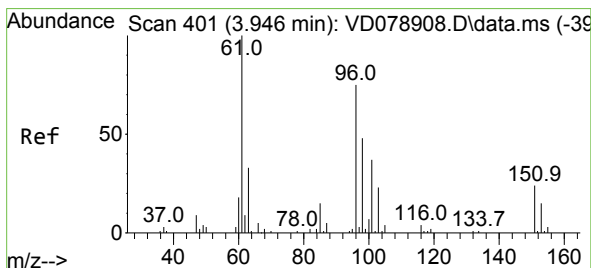
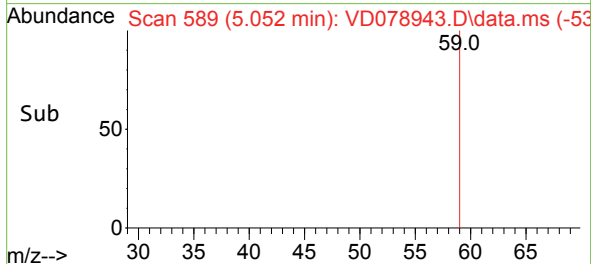
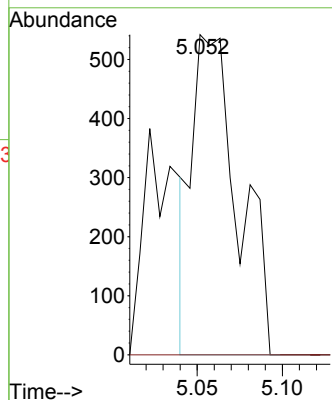
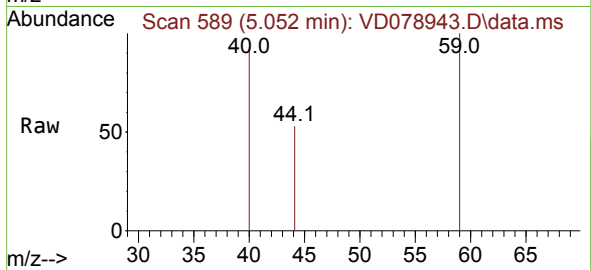




#11
Tert butyl alcohol
Concen: 20.223 ug/l
RT: 5.052 min Scan# 51
Delta R.T. -0.005 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

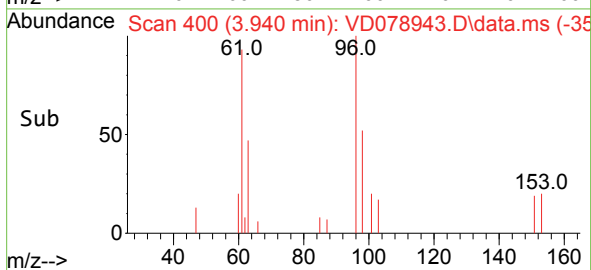
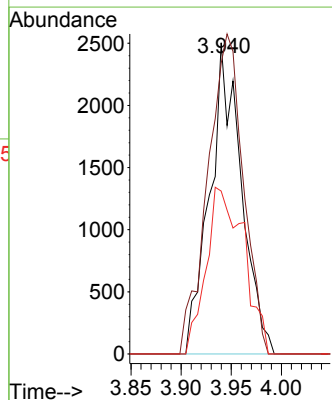
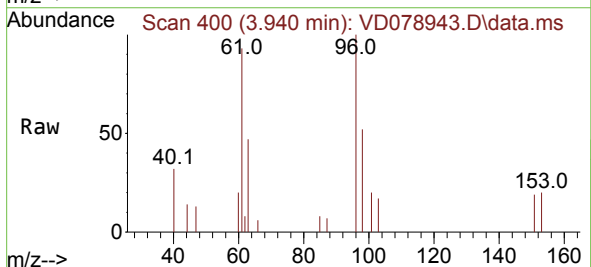
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

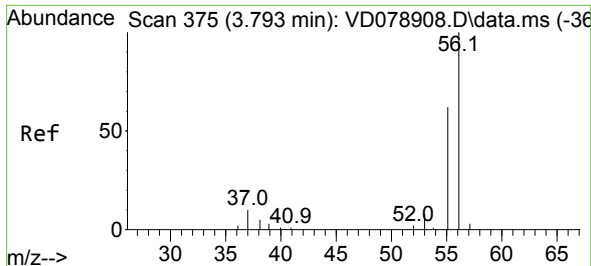
Tgt Ion: 59 Resp: 1020
Ion Ratio Lower Upper
59 100
57 0.0 3.6 5.4#



#12
1,1-Dichloroethene
Concen: 4.795 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 96 Resp: 5478
Ion Ratio Lower Upper
96 100
61 93.4 107.3 160.9#
98 52.4 51.7 77.5





#13

Acrolein

Concen: 8.058 ug/l

RT: 3.793 min Scan# 31

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

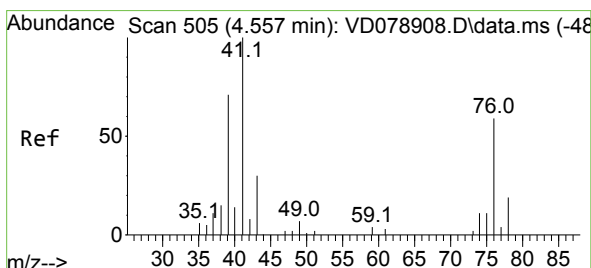
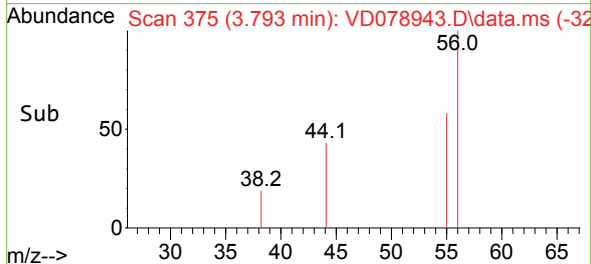
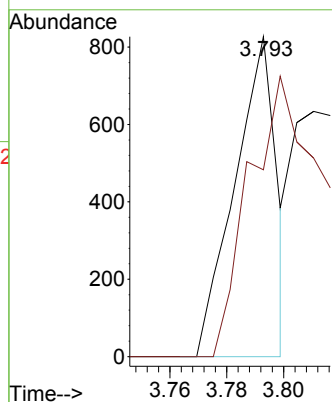
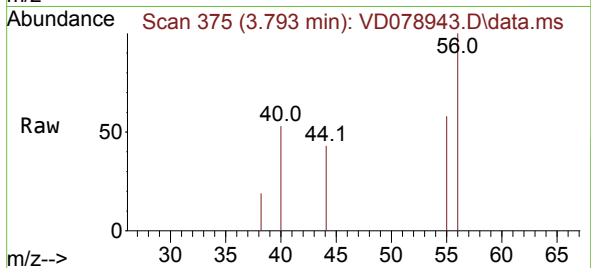
MDL-SOIL-03-QT2-2024

Tgt Ion: 56 Resp: 849

Ion Ratio Lower Upper

56 100

55 163.3 55.3 82.9#



#14

Allyl chloride

Concen: 4.345 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

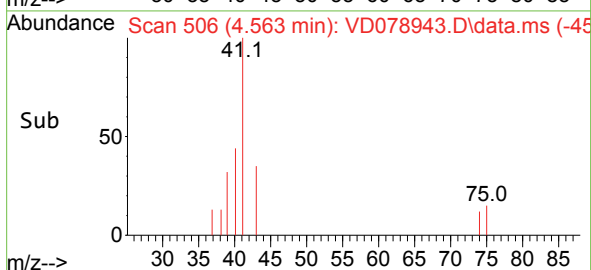
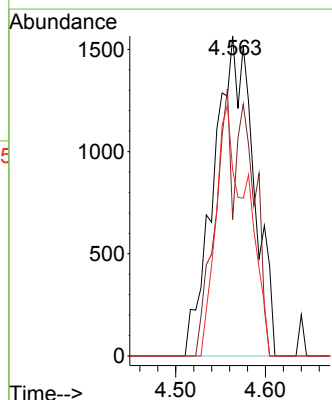
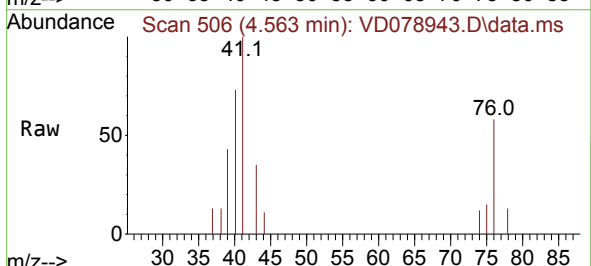
Tgt Ion: 41 Resp: 4843

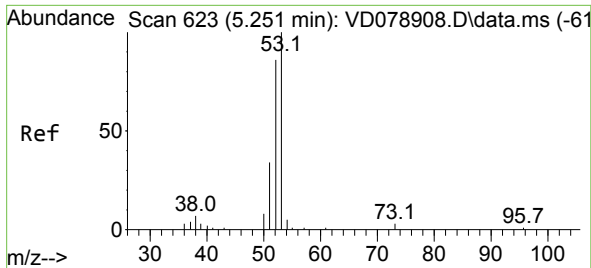
Ion Ratio Lower Upper

41 100

39 35.7 58.0 87.0#

76 61.1 45.9 68.9

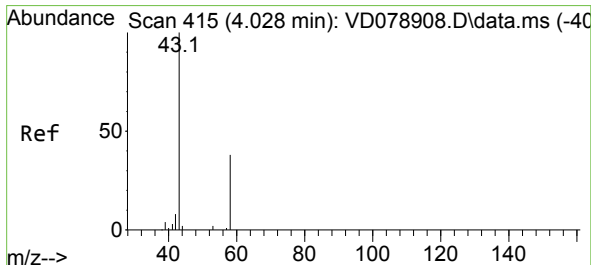
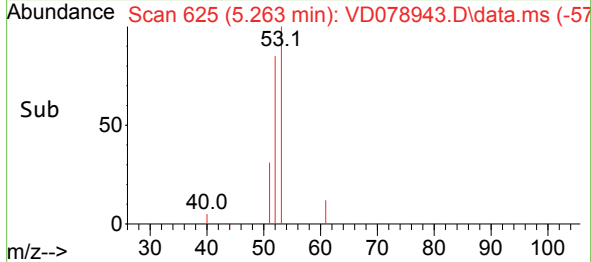
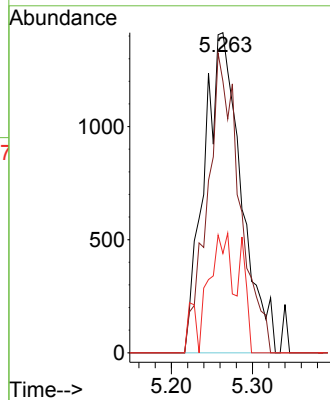
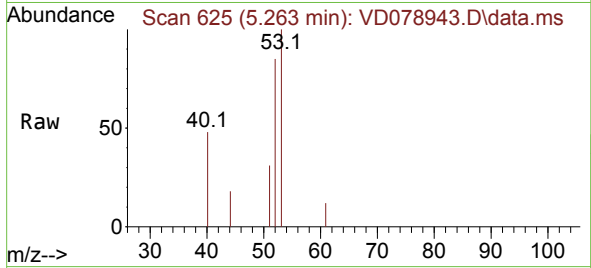




#15
Acrylonitrile
Concen: 21.916 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

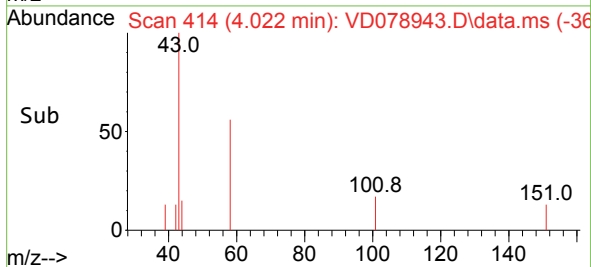
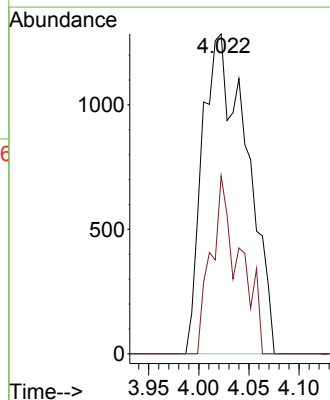
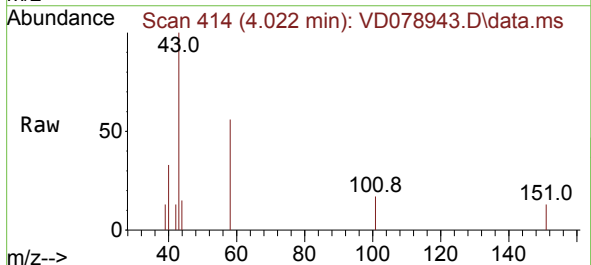
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

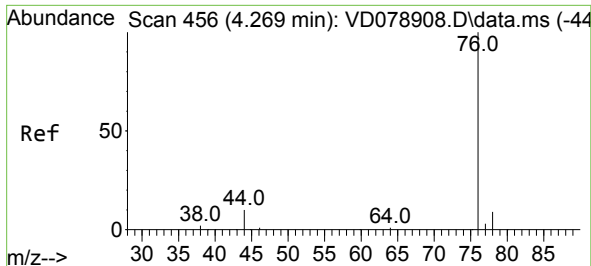
Tgt Ion: 53 Resp: 4484
Ion Ratio Lower Upper
53 100
52 81.4 67.7 101.5
51 23.2 28.6 42.8#



#16
Acetone
Concen: 23.316 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 43 Resp: 3935
Ion Ratio Lower Upper
43 100
58 55.6 30.4 45.6#





#17

Carbon Disulfide

Concen: 4.669 ug/l

RT: 4.275 min Scan# 4

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

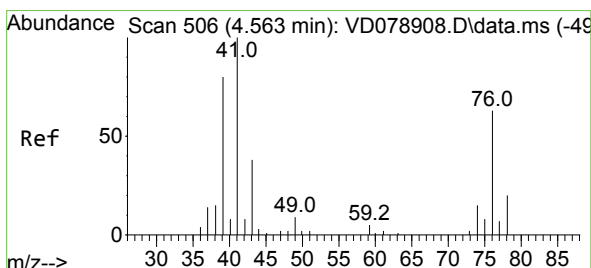
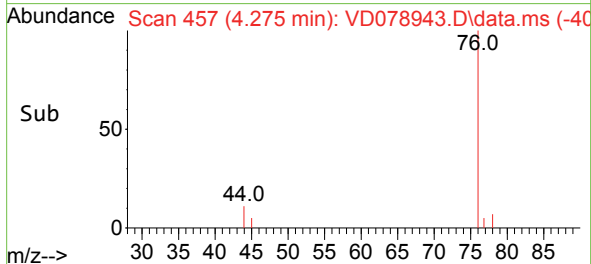
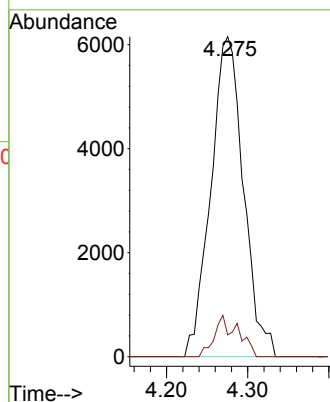
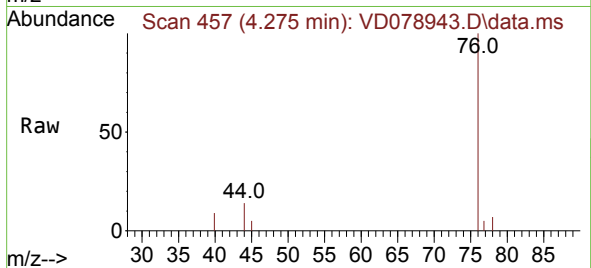
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 17160

Ion Ratio Lower Upper

76 100

78 6.8 6.9 10.3#



#18

Methyl Acetate

Concen: 5.098 ug/l

RT: 4.569 min Scan# 507

Delta R.T. 0.006 min

Lab File: VD078943.D

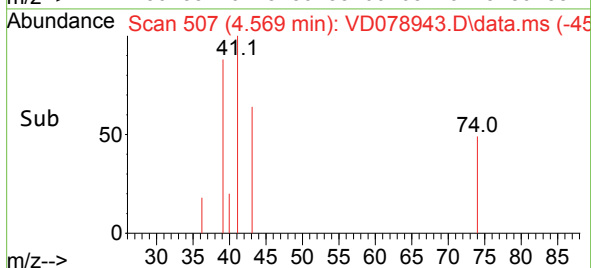
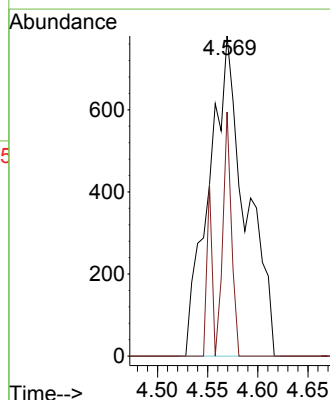
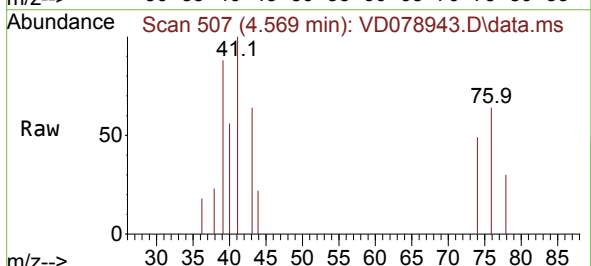
Acq: 16 May 2024 12:45

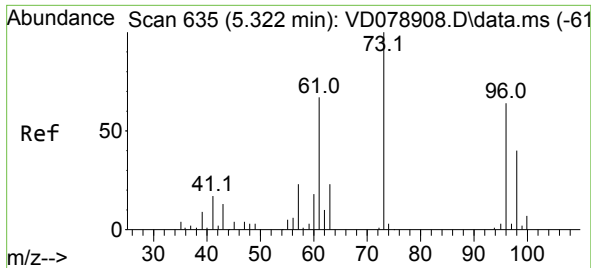
Tgt Ion: 43 Resp: 1981

Ion Ratio Lower Upper

43 100

74 17.8 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 4.149 ug/l

RT: 5.322 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

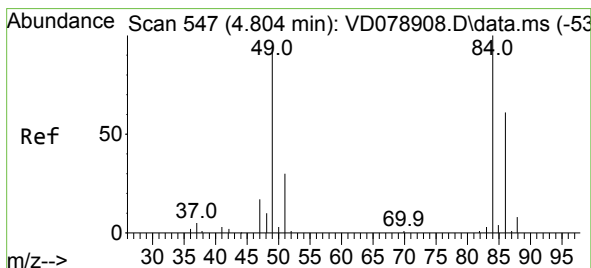
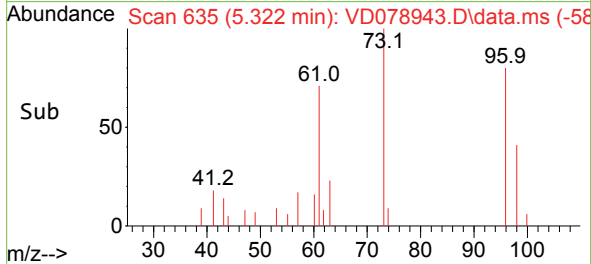
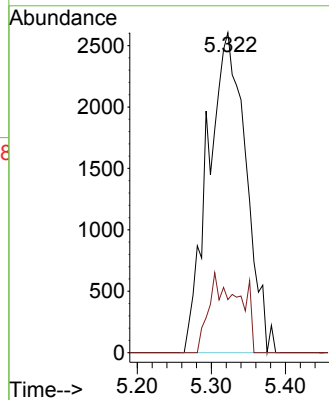
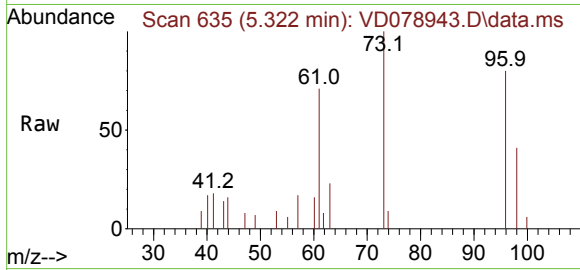
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 9234

Ion Ratio Lower Upper

73 100

57 16.6 18.3 27.5#



#20

Methylene Chloride

Concen: 6.470 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.005 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Tgt Ion: 84 Resp: 11281

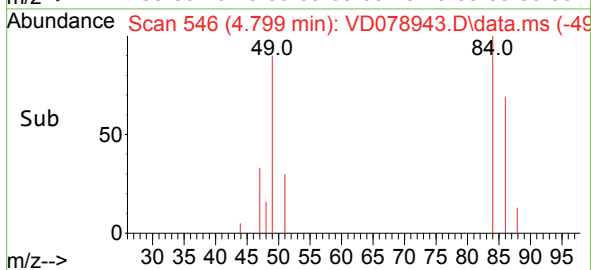
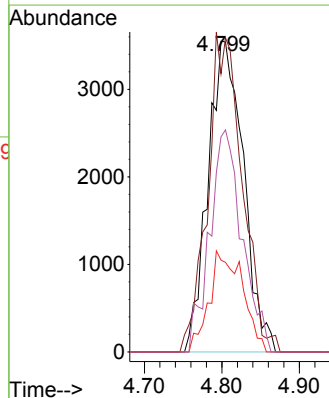
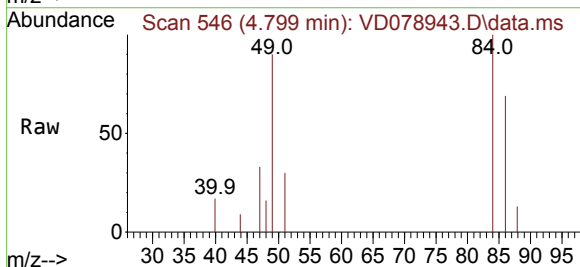
Ion Ratio Lower Upper

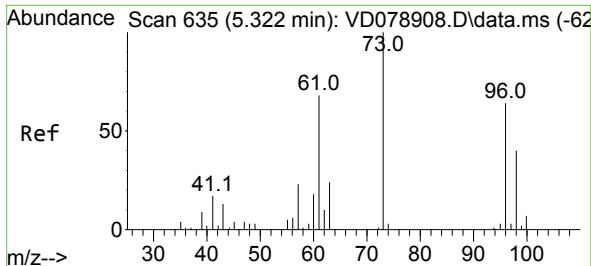
84 100

49 89.5 75.6 113.4

51 29.5 24.2 36.2

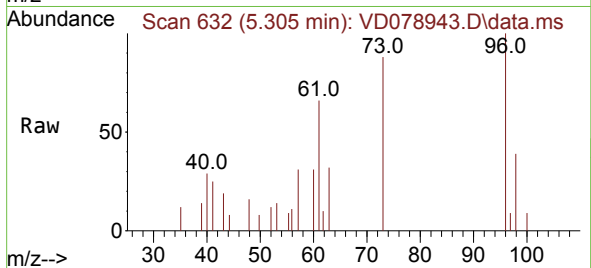
86 69.2 49.2 73.8



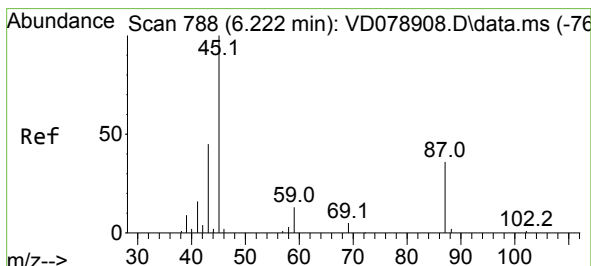
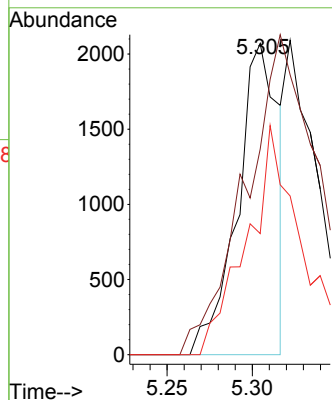
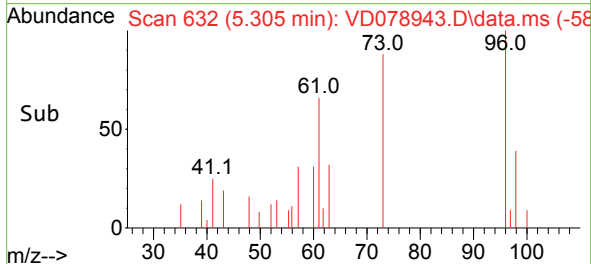


#21
trans-1,2-Dichloroethene
Concen: 2.729 ug/l
RT: 5.305 min Scan# 61
Delta R.T. -0.017 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

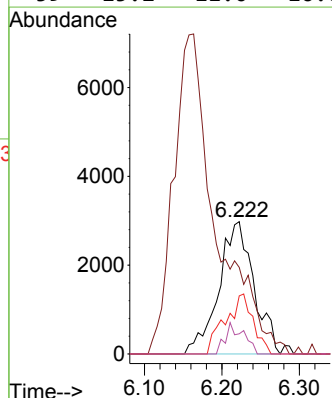
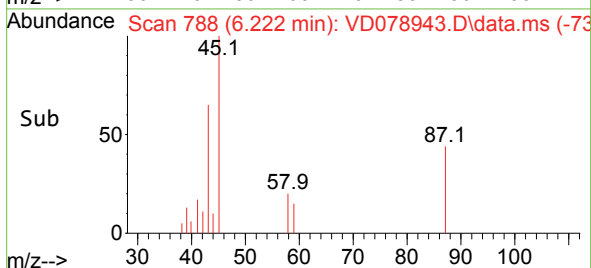
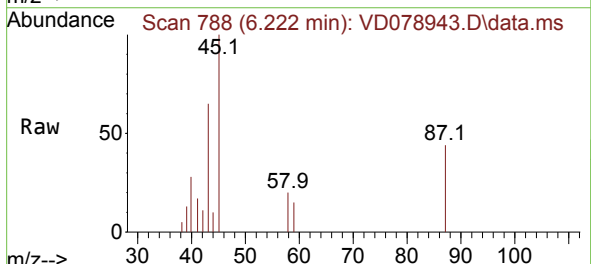


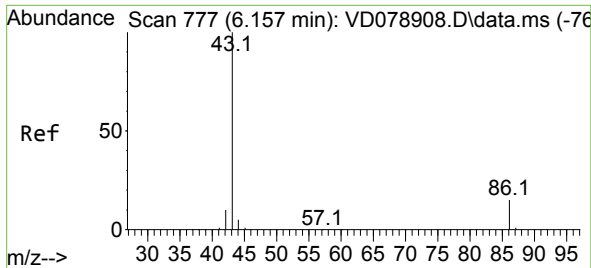
Tgt Ion: 96 Resp: 3475
Ion Ratio Lower Upper
96 100
61 66.1 84.5 126.7#
98 38.9 50.5 75.7#



#22
Diisopropyl ether
Concen: 3.712 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 45 Resp: 9358
Ion Ratio Lower Upper
45 100
43 56.5 41.7 62.5
87 43.9 30.2 45.2
59 15.2 11.0 16.6

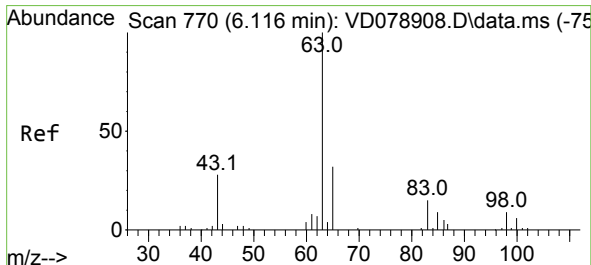
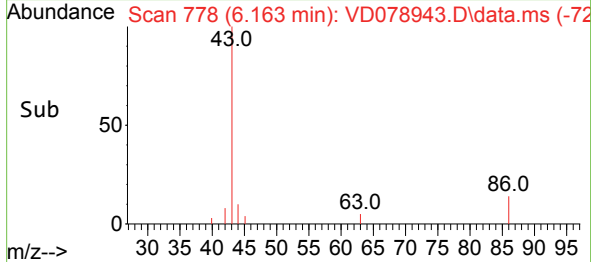
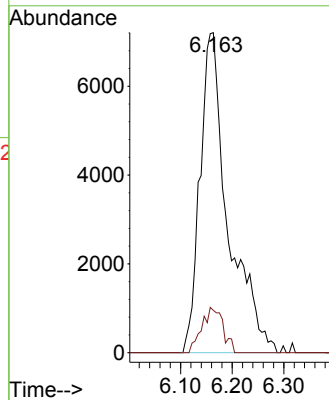
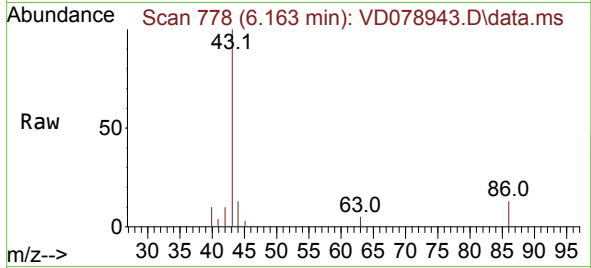




#23
 Vinyl Acetate
 Concen: 18.003 ug/l
 RT: 6.163 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078943.D
 Acq: 16 May 2024 12:45

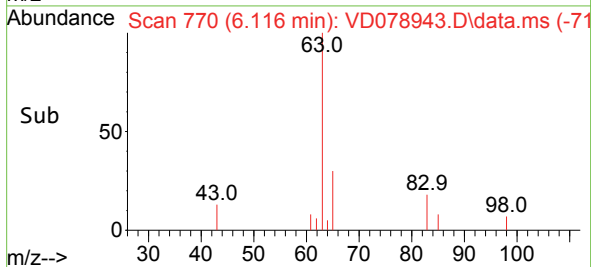
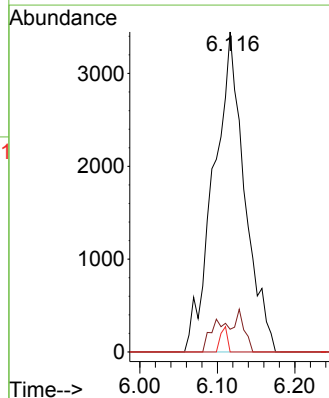
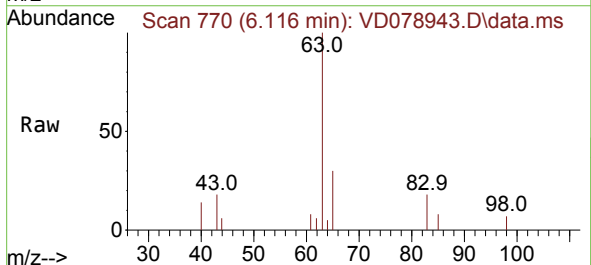
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

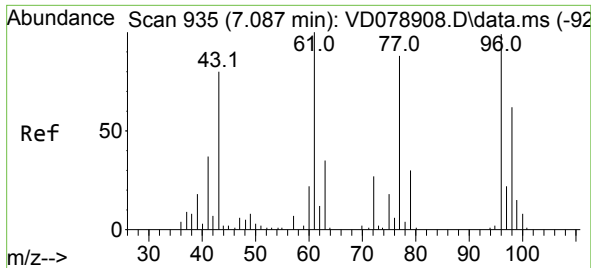
Tgt Ion: 43 Resp: 27223
 Ion Ratio Lower Upper
 43 100
 86 13.2 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 4.780 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: VD078943.D
 Acq: 16 May 2024 12:45

Tgt Ion: 63 Resp: 9554
 Ion Ratio Lower Upper
 63 100
 98 7.1 4.7 14.0
 100 0.0 2.9 8.6#

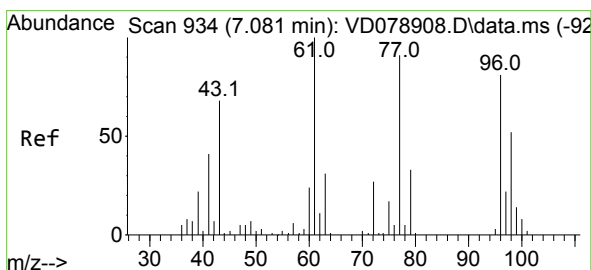
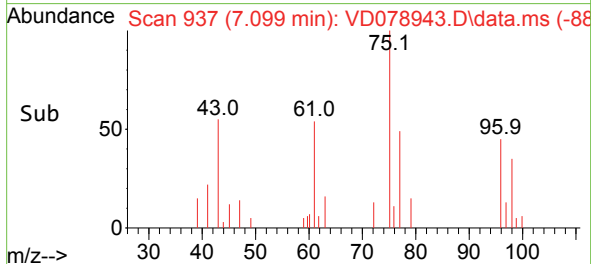
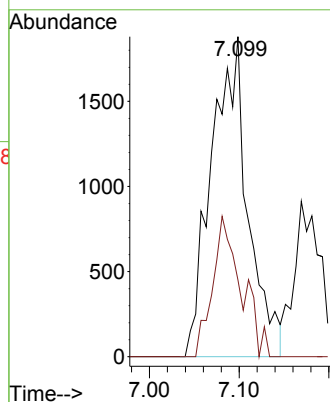
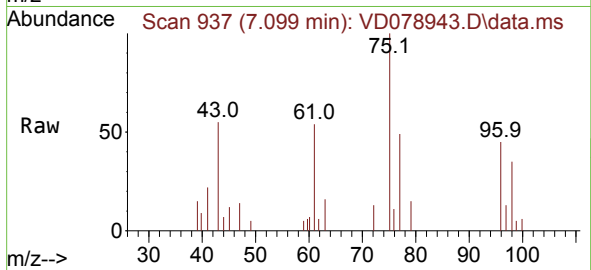




#25
2-Butanone
Concen: 23.520 ug/l
RT: 7.099 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

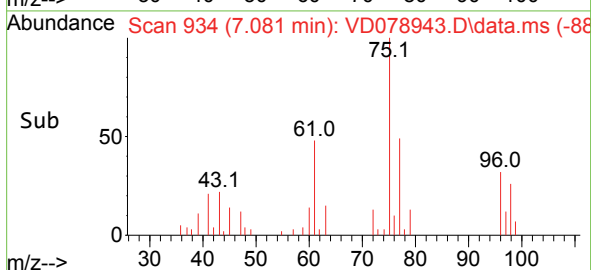
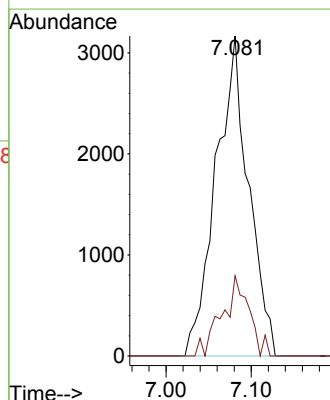
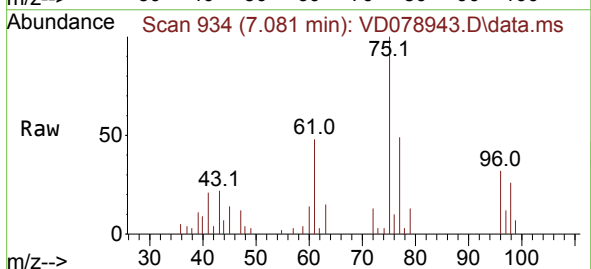
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

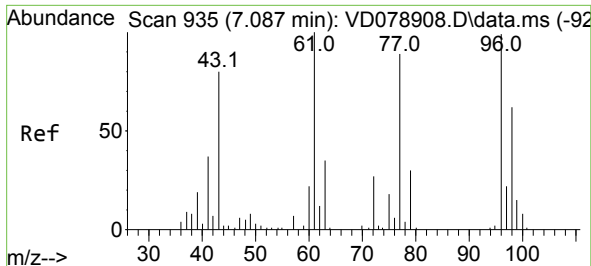
Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
72 24.0 26.4 39.6#



#26
2,2-Dichloropropane
Concen: 4.799 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 77 Resp: 8428
Ion Ratio Lower Upper
77 100
97 20.7 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 4.103 ug/l

RT: 7.093 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

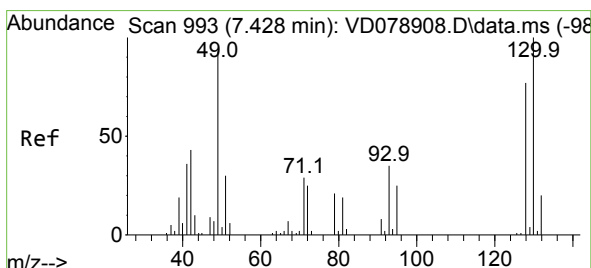
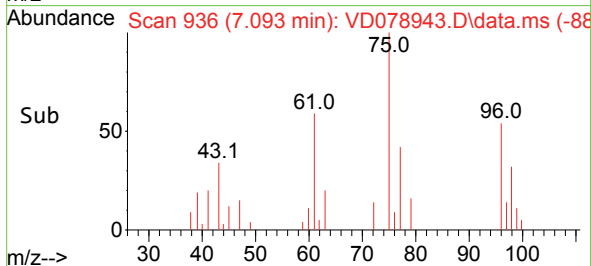
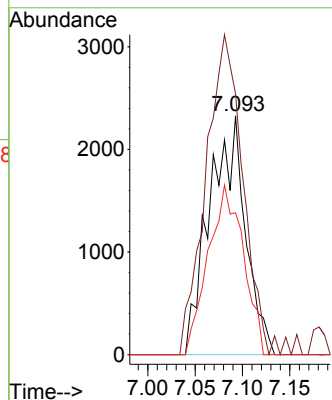
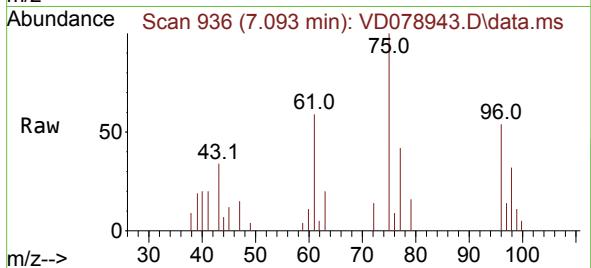
Tgt Ion: 96 Resp: 6135

Ion Ratio Lower Upper

96 100

61 137.0 0.0 229.0

98 69.5 0.0 127.2



#28

Bromochloromethane

Concen: 5.253 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

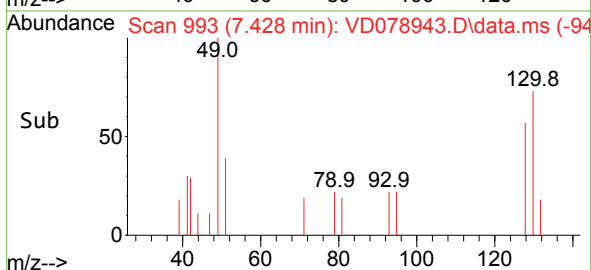
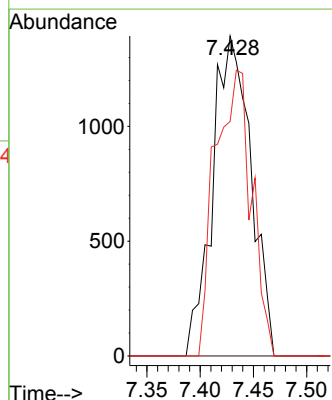
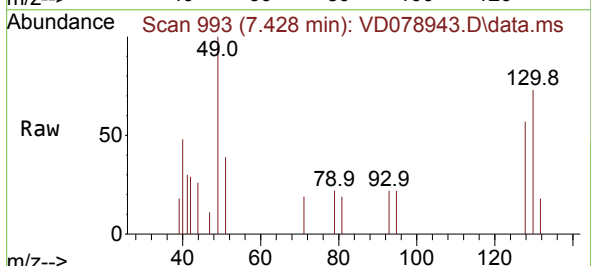
Tgt Ion: 49 Resp: 3501

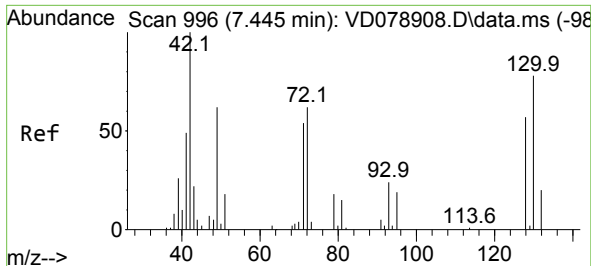
Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.0

130 84.7 87.7 131.5





#29

Tetrahydrofuran

Concen: 21.094 ug/l

RT: 7.457 min Scan# 99

Delta R.T. 0.012 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

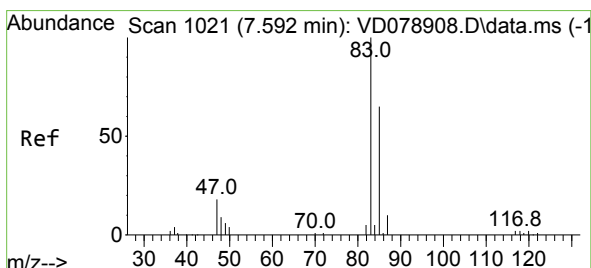
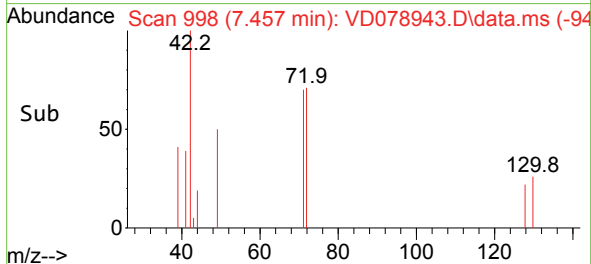
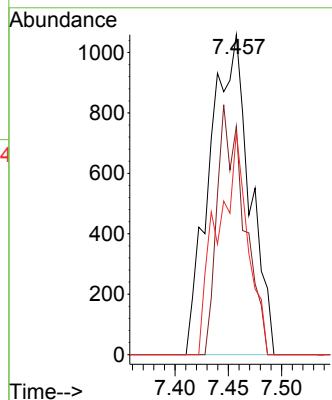
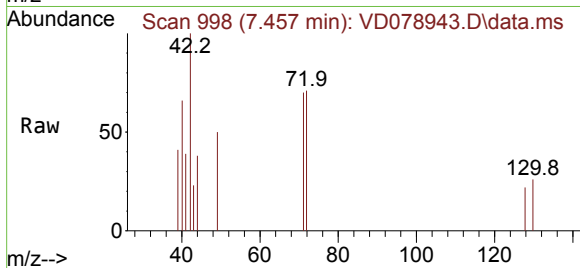
Tgt Ion: 42 Resp: 2754

Ion Ratio Lower Upper

42 100

72 52.8 49.4 74.0

71 52.5 45.0 67.6



#30

Chloroform

Concen: 4.431 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD078943.D

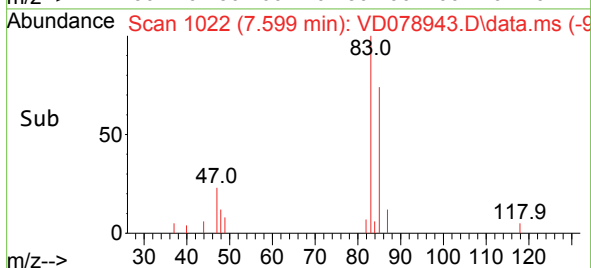
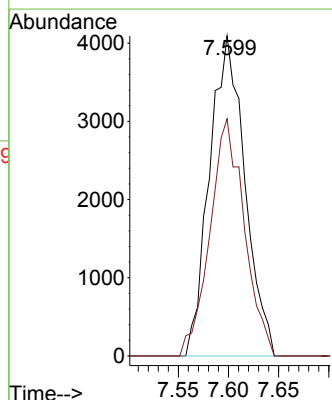
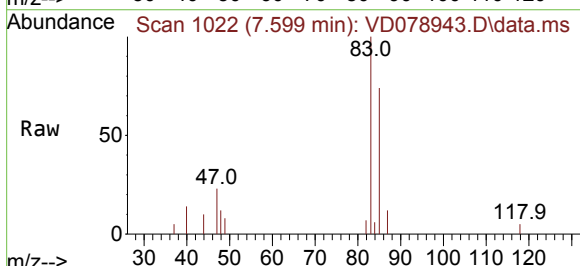
Acq: 16 May 2024 12:45

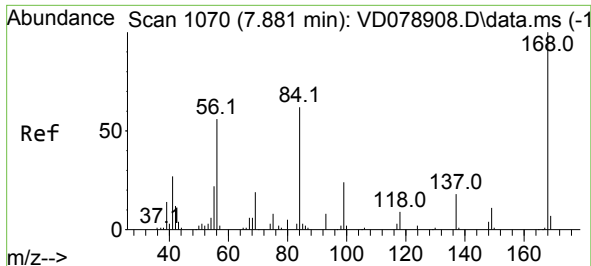
Tgt Ion: 83 Resp: 10030

Ion Ratio Lower Upper

83 100

85 74.1 51.8 77.6

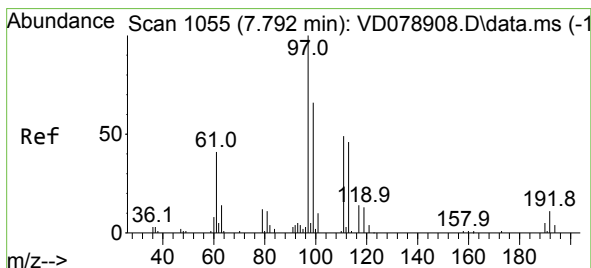
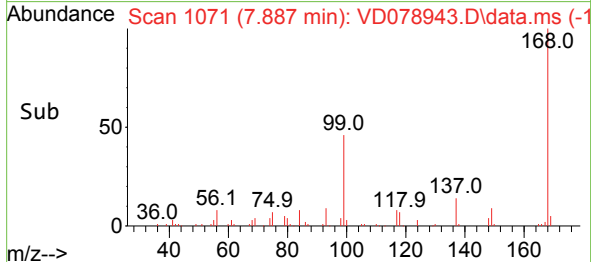
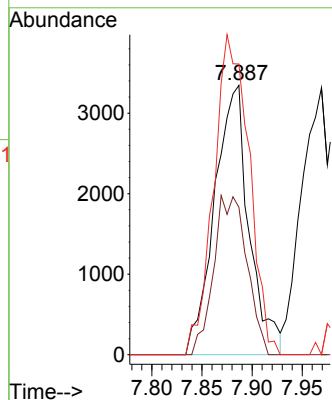
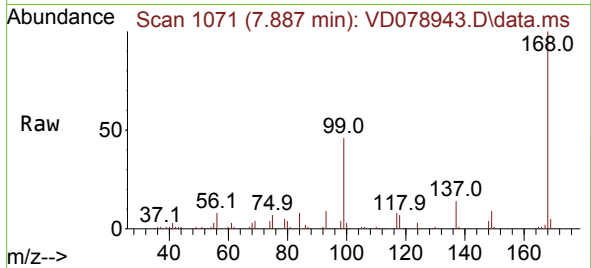




#31
Cyclohexane
Concen: 5.204 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

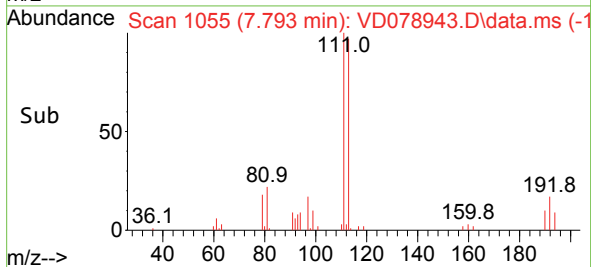
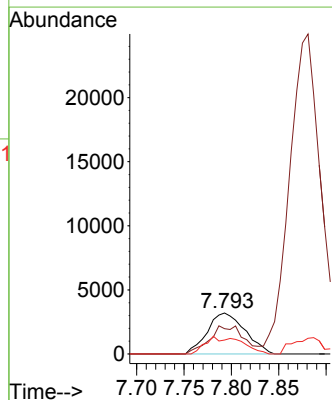
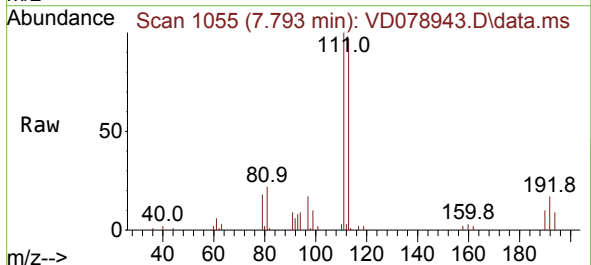
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

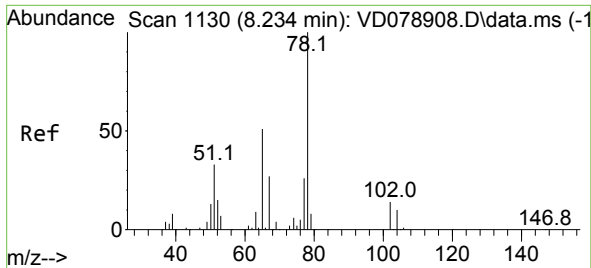
Tgt Ion: 56 Resp: 8048
Ion Ratio Lower Upper
56 100
69 54.7 28.0 42.0#
84 107.9 87.4 131.0



#32
1,1,1-Trichloroethane
Concen: 4.555 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 97 Resp: 8831
Ion Ratio Lower Upper
97 100
99 62.5 51.3 76.9
61 21.3 31.4 47.2#

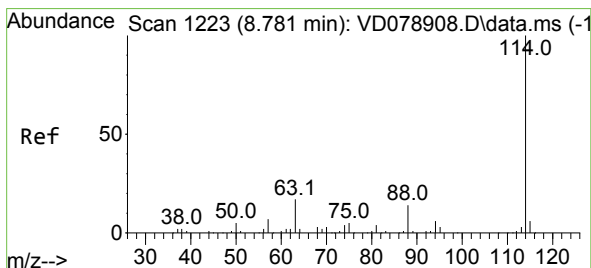
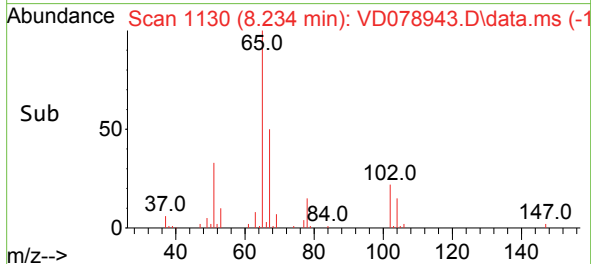
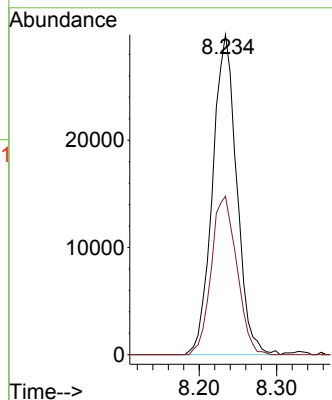
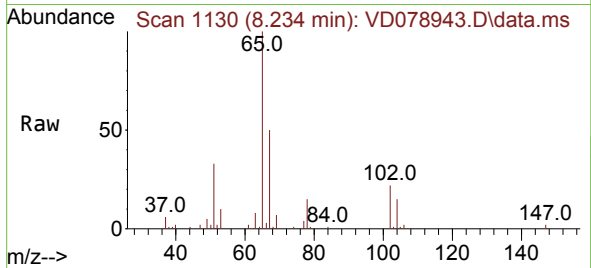




#33
1,2-Dichloroethane-d4
Concen: 61.026 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

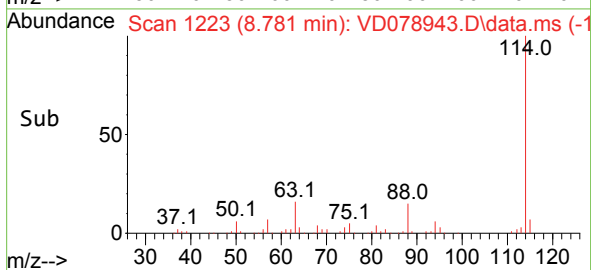
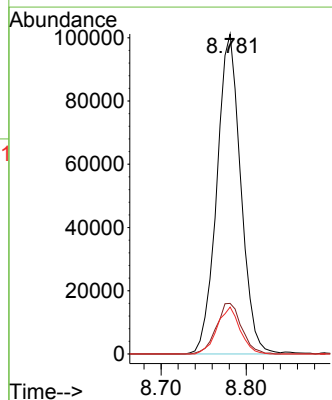
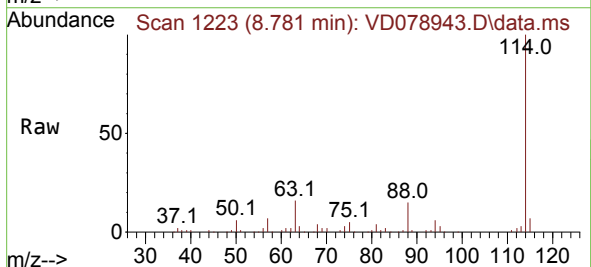
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

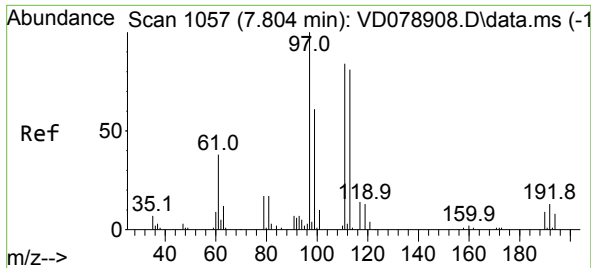
Tgt Ion: 65 Resp: 64593
Ion Ratio Lower Upper
65 100
67 52.3 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

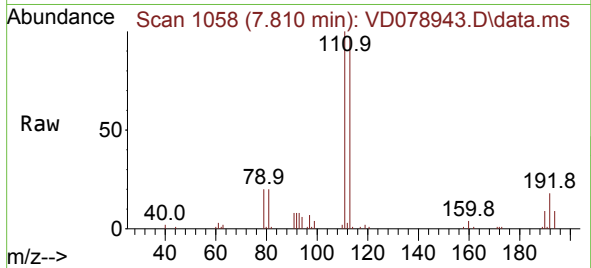
Tgt Ion:114 Resp: 197112
Ion Ratio Lower Upper
114 100
63 15.8 0.0 34.0
88 14.6 0.0 27.2



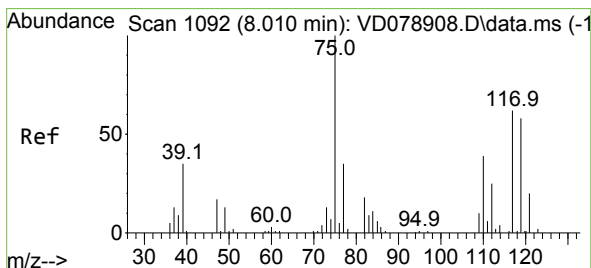
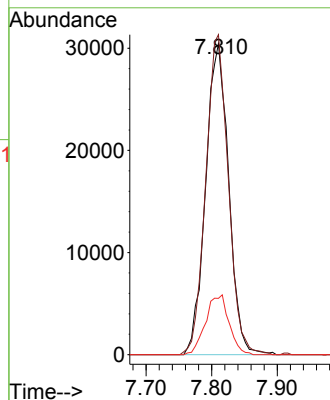
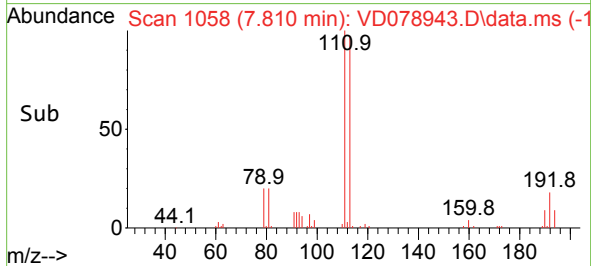


#35
Dibromofluoromethane
Concen: 56.736 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

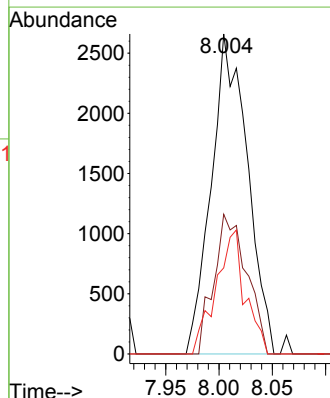
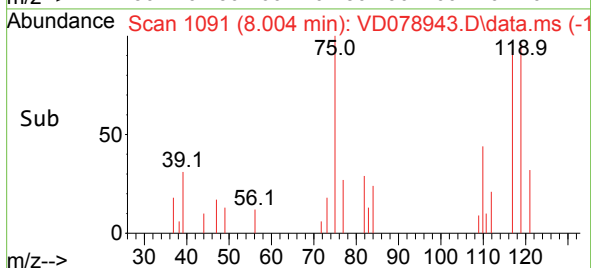
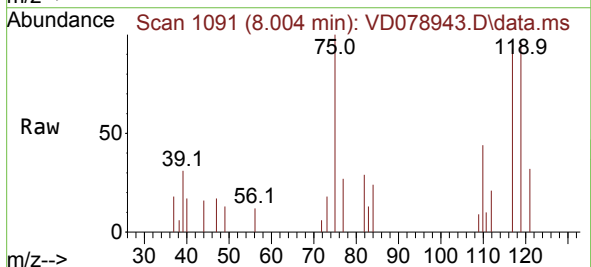


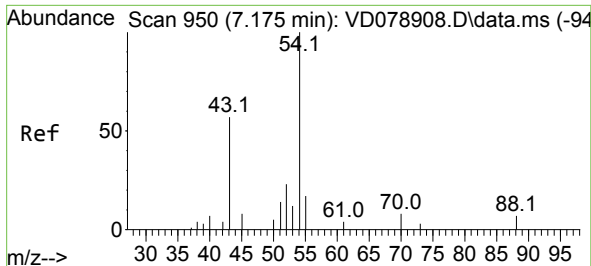
Tgt Ion:113 Resp: 74444
Ion Ratio Lower Upper
113 100
111 100.6 84.0 126.0
192 19.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 3.836 ug/l
RT: 8.004 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 75 Resp: 6263
Ion Ratio Lower Upper
75 100
110 39.7 19.6 58.7
77 31.4 26.1 39.1





#37

Ethyl Acetate

Concen: 3.540 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD078943.D

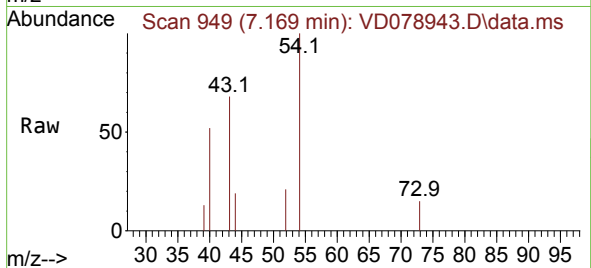
Acq: 16 May 2024 12:45

Instrument :

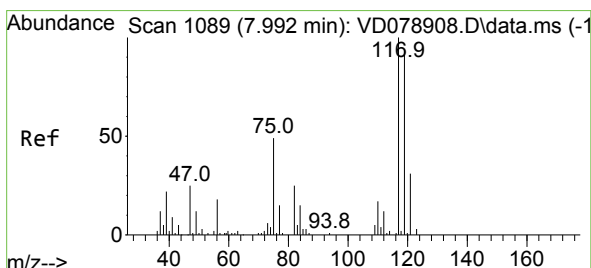
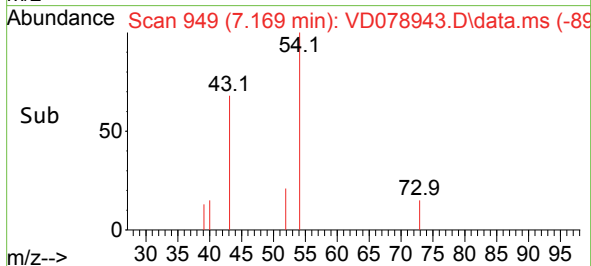
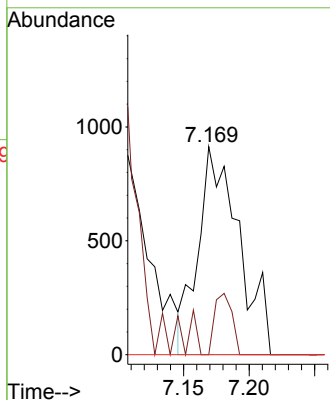
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:	43	Resp:	1970
Ion Ratio	Lower	Upper	
43	100		
61	0.0	13.9	20.9#
70	0.0	9.8	14.6#



#38

Carbon Tetrachloride

Concen: 4.163 ug/l

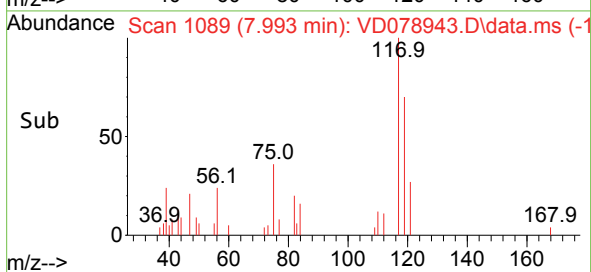
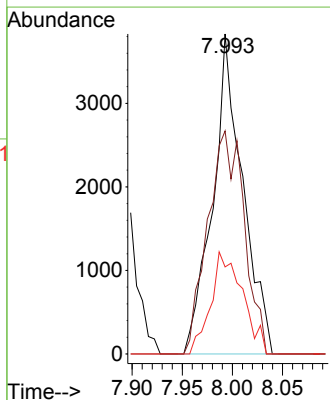
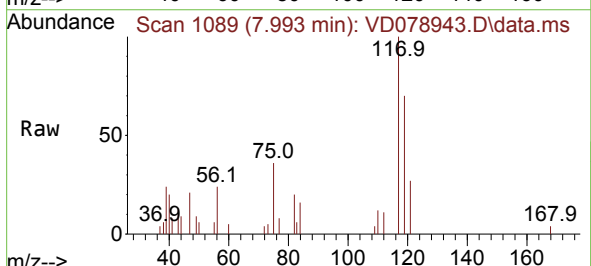
RT: 7.993 min Scan# 1089

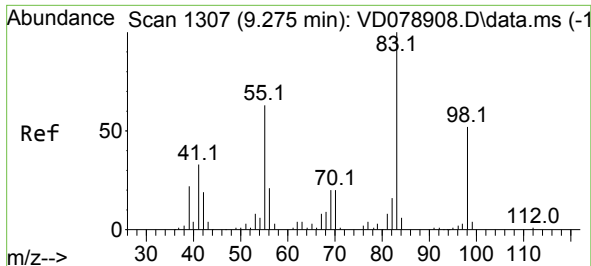
Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Tgt Ion:	117	Resp:	7954
Ion Ratio	Lower	Upper	
117	100		
119	69.7	75.4	113.0#
121	27.2	25.0	37.4





#39

Methylcyclohexane

Concen: 3.304 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

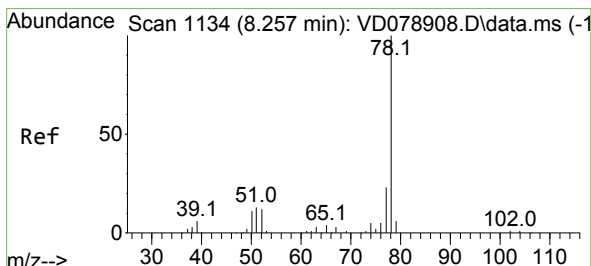
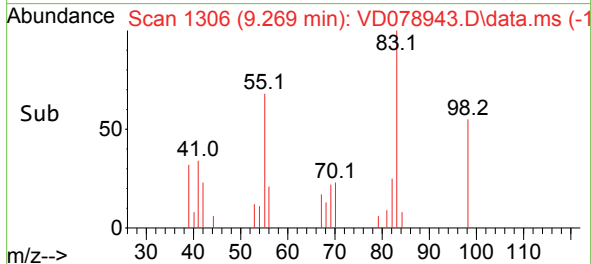
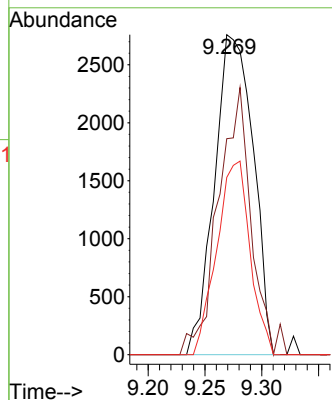
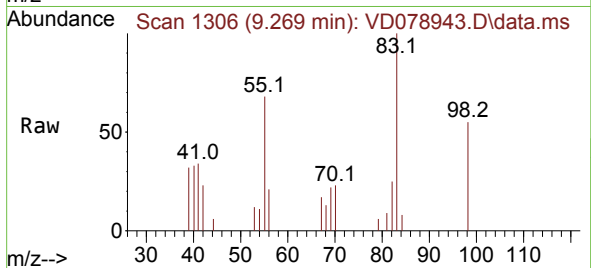
Tgt Ion: 83 Resp: 6554

Ion Ratio Lower Upper

83 100

55 67.5 50.1 75.1

98 55.4 41.9 62.9



#40

Benzene

Concen: 4.271 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VD078943.D

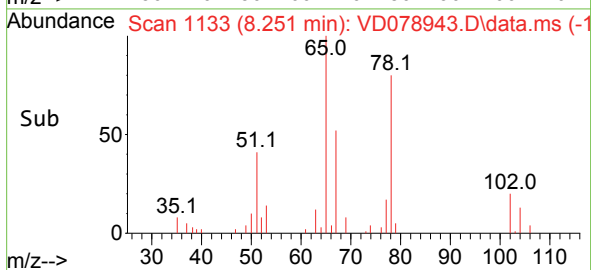
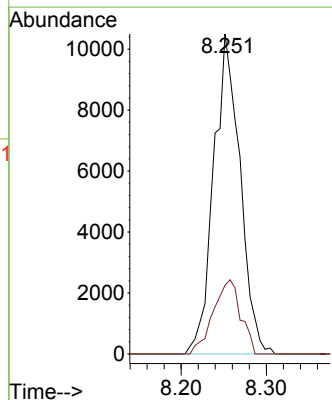
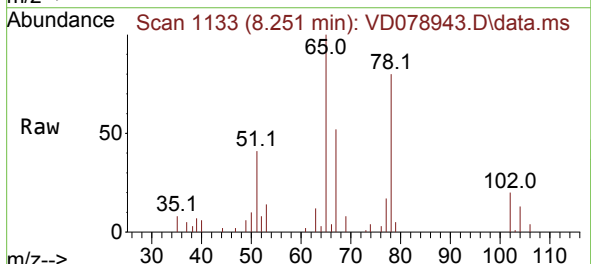
Acq: 16 May 2024 12:45

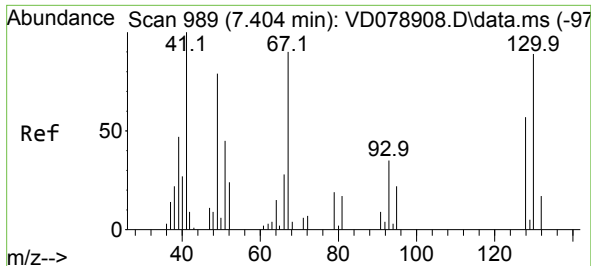
Tgt Ion: 78 Resp: 22557

Ion Ratio Lower Upper

78 100

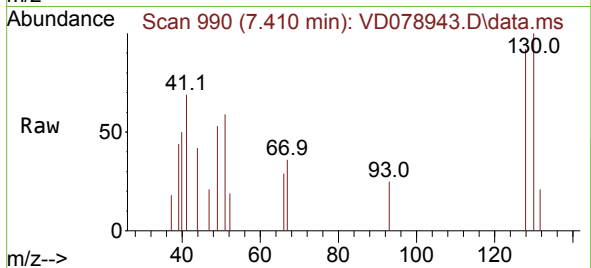
77 21.5 18.1 27.1



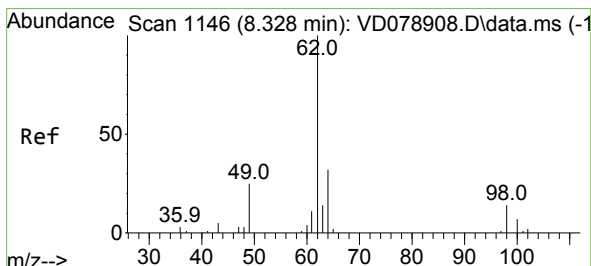
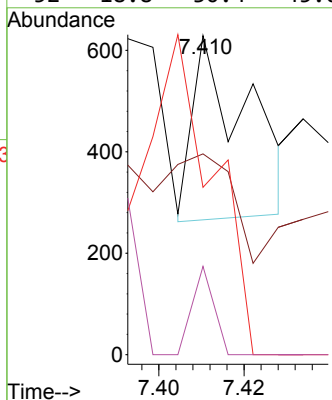
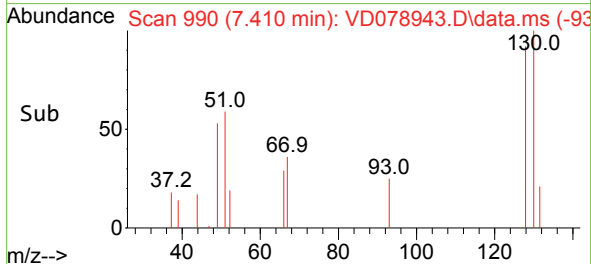


#41
Methacrylonitrile
Concen: 1.082 ug/l
RT: 7.410 min Scan# 989
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

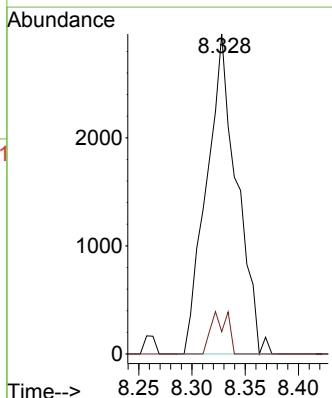
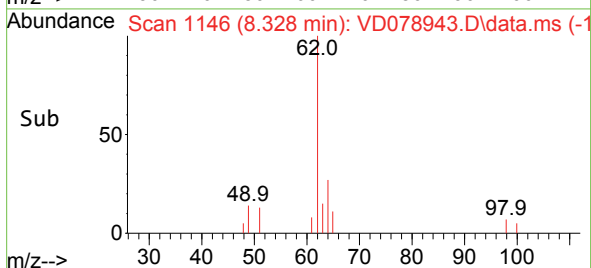
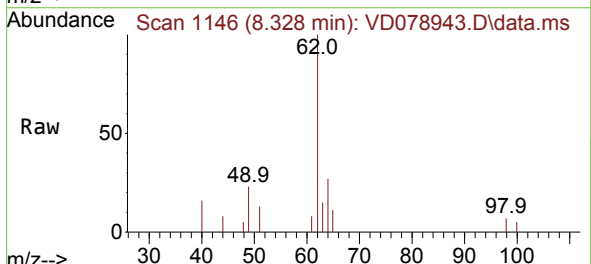


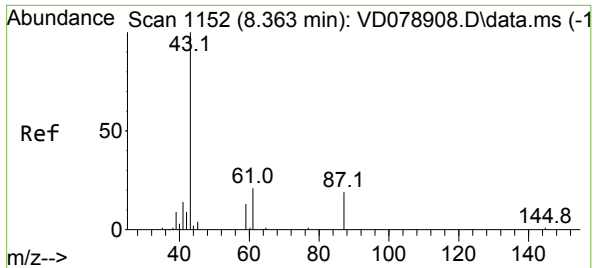
Tgt Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
39 253.7 41.4 62.0#
67 274.7 85.8 128.6#
52 18.8 30.4 45.6#



#42
1,2-Dichloroethane
Concen: 4.567 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 62 Resp: 5838
Ion Ratio Lower Upper
62 100
98 7.2 0.0 25.8

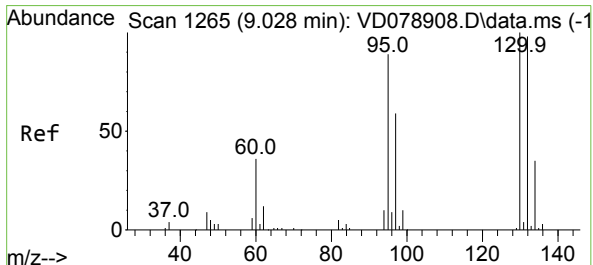
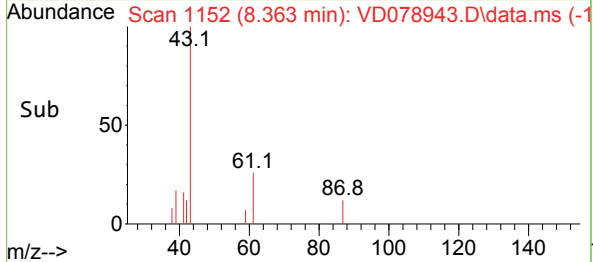
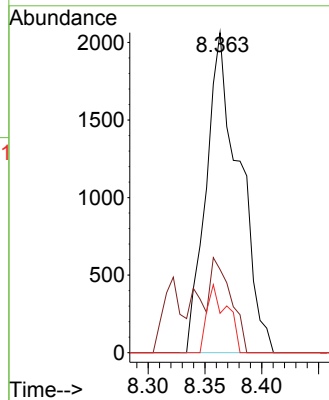
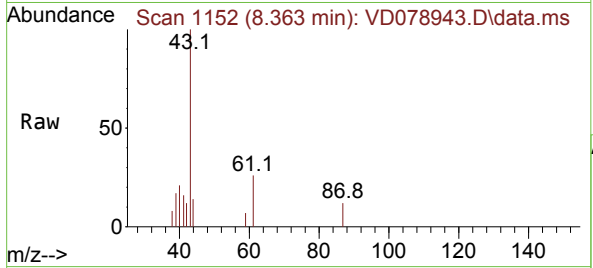




#43
Isopropyl Acetate
Concen: 4.239 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

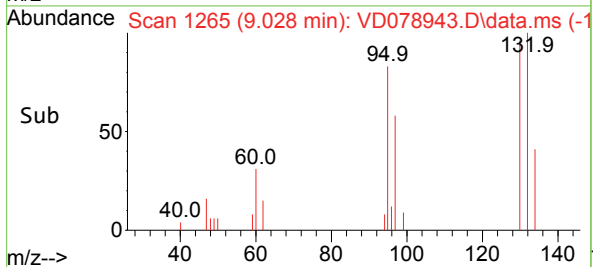
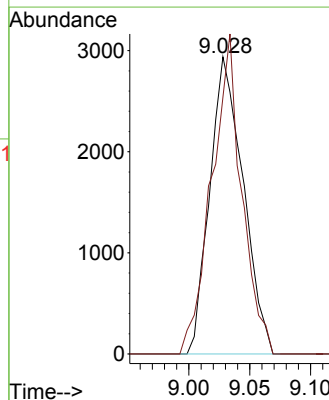
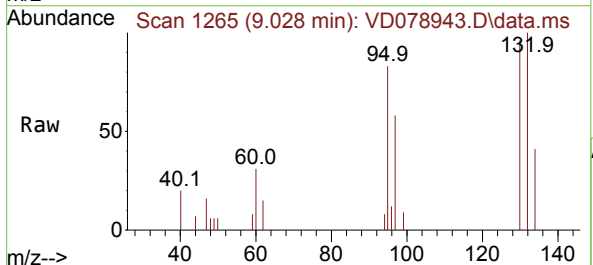
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2024

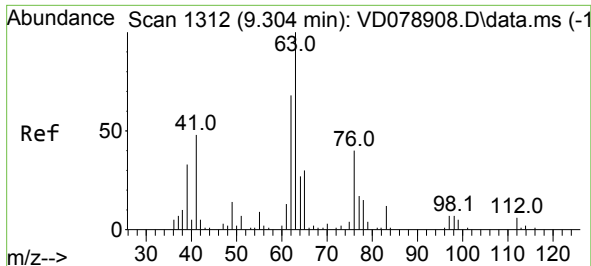
Tgt Ion: 43	Resp: 4185
Ion Ratio	Lower Upper
43	100
61	26.6 29.3 43.9#
87	12.8 14.9 22.3#



#44
Trichloroethene
Concen: 4.008 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 130	Resp: 5614
Ion Ratio	Lower Upper
130	100
95	86.4 0.0 177.8





#45

1,2-Dichloropropane

Concen: 4.172 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

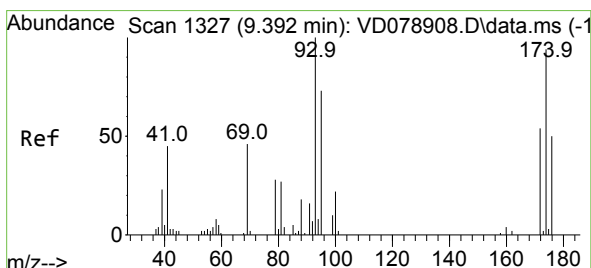
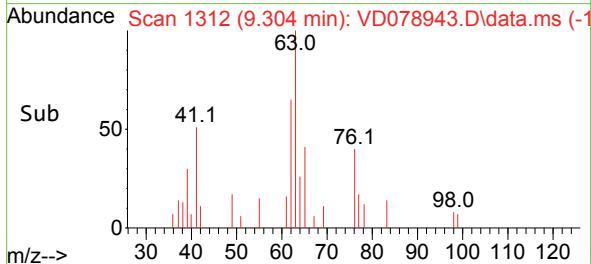
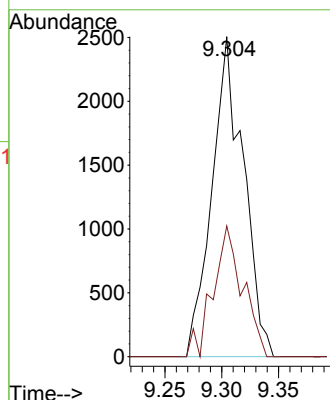
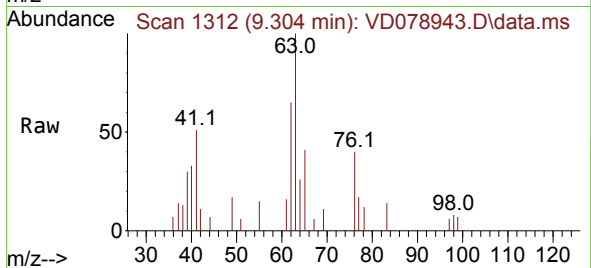
MDL-SOIL-03-QT2-2024

Tgt Ion: 63 Resp: 4842

Ion Ratio Lower Upper

63 100

65 40.9 23.8 35.8#



#46

Dibromomethane

Concen: 4.047 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

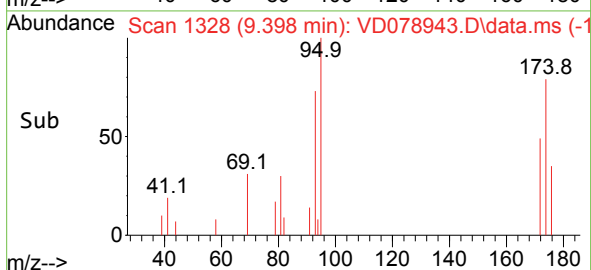
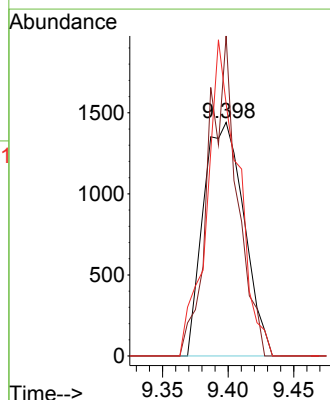
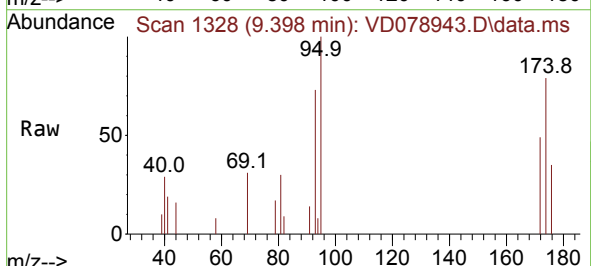
Tgt Ion: 93 Resp: 3092

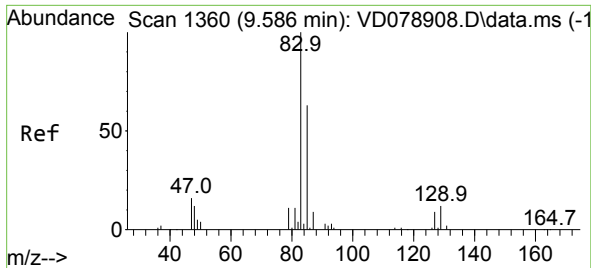
Ion Ratio Lower Upper

93 100

95 97.6 65.6 98.4

174 104.5 82.3 123.5

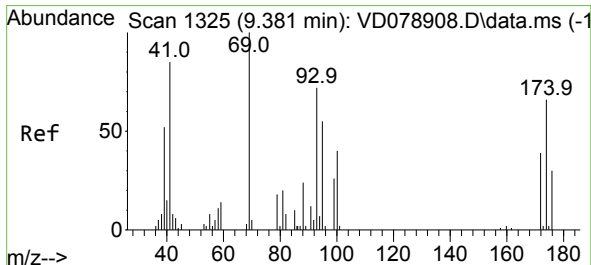
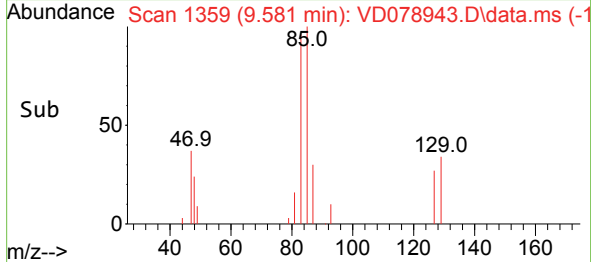
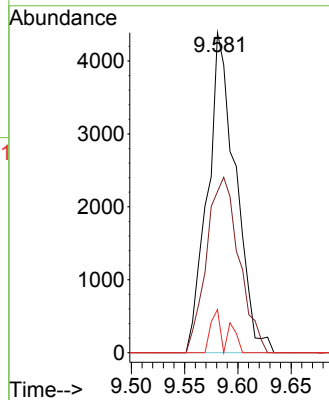
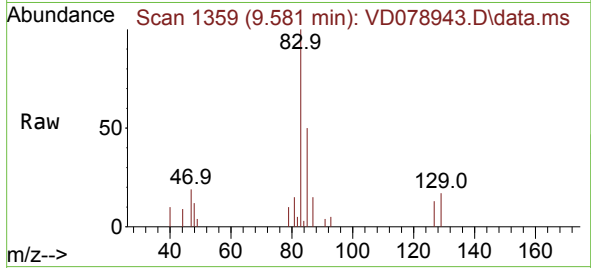




#47
Bromodichloromethane
Concen: 4.375 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

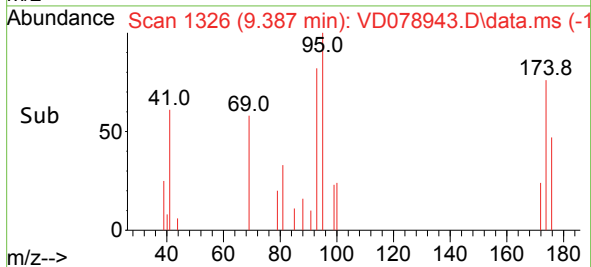
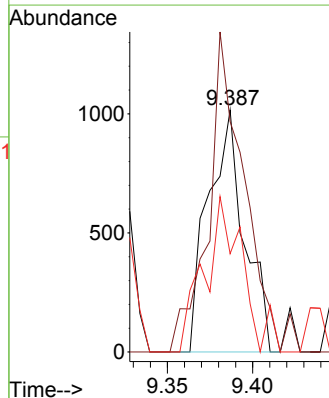
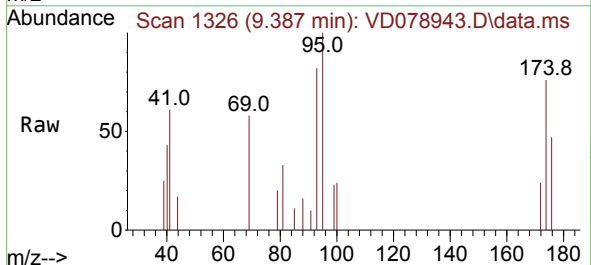
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

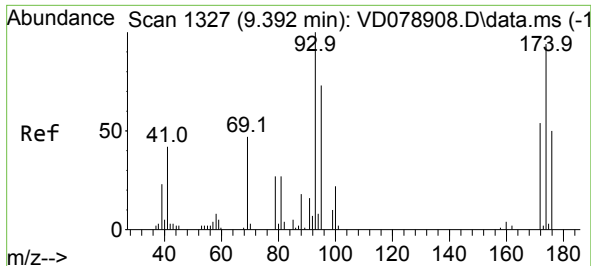
Tgt Ion: 83 Resp: 8046
Ion Ratio Lower Upper
83 100
85 50.3 50.1 75.1
127 13.5 6.8 10.2#



#48
Methyl methacrylate
Concen: 3.119 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 41 Resp: 1499
Ion Ratio Lower Upper
41 100
69 132.4 96.7 145.1
39 67.6 43.8 65.6#





#49

1,4-Dioxane

Concen: 38.094 ug/l

RT: 9.387 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078943.D

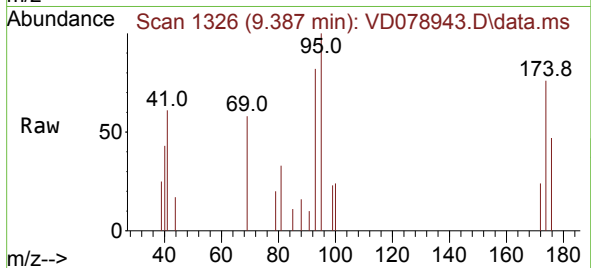
Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024



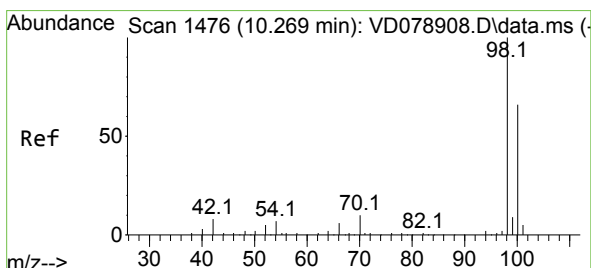
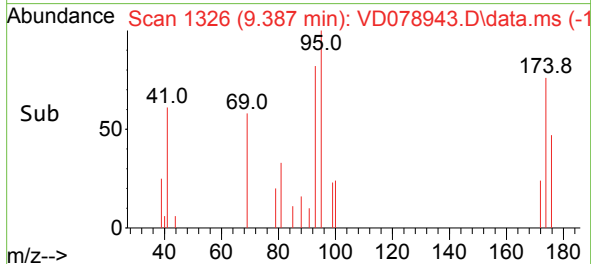
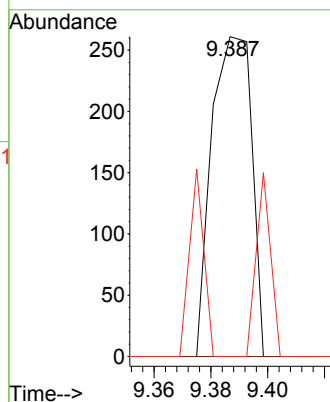
Tgt Ion: 88 Resp: 256

Ion Ratio Lower Upper

88 100

43 0.0 21.5 32.3#

58 20.7 42.2 63.4#



#50

Toluene-d8

Concen: 55.649 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078943.D

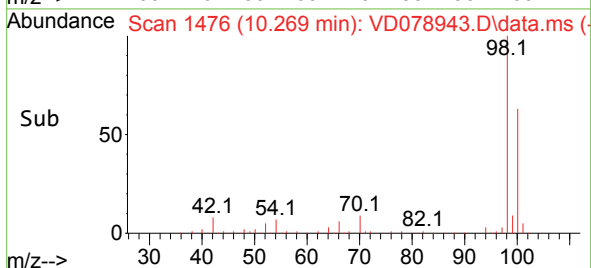
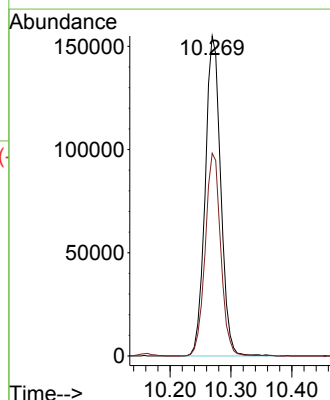
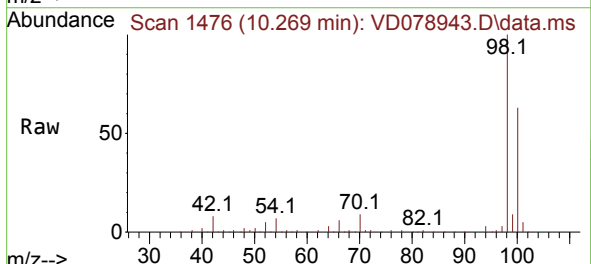
Acq: 16 May 2024 12:45

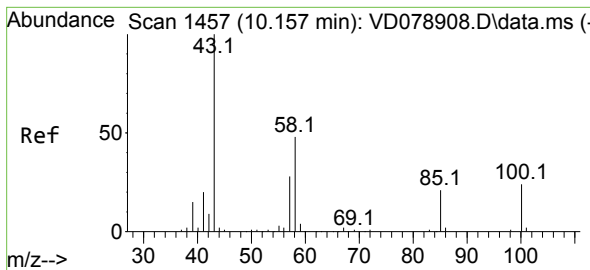
Tgt Ion: 98 Resp: 273731

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4

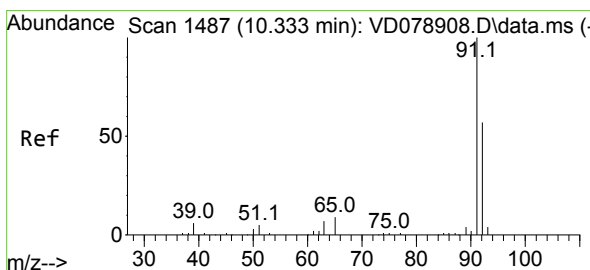
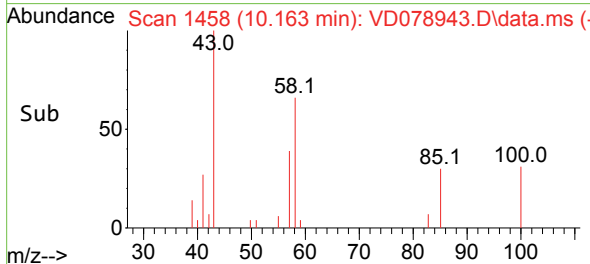
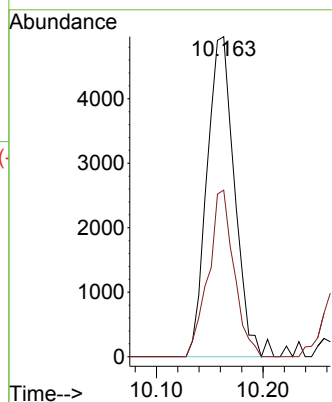
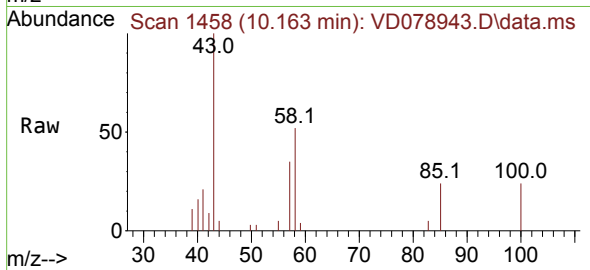




#51
4-Methyl-2-Pentanone
Concen: 17.003 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

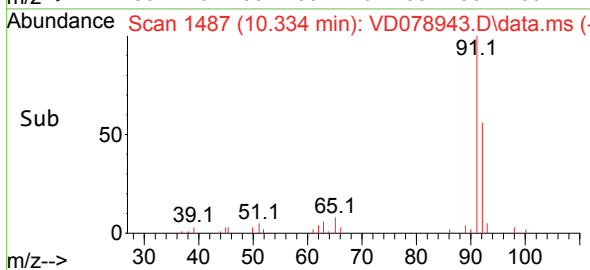
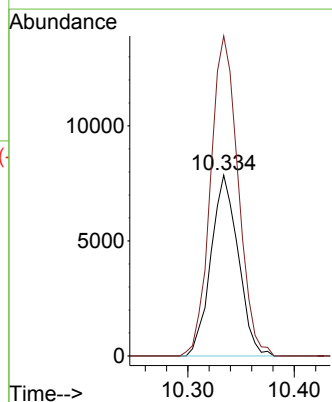
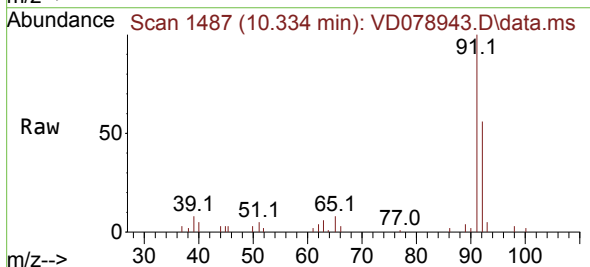
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

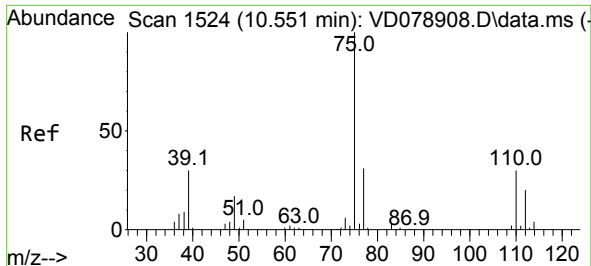
Tgt Ion: 43 Resp: 8942
Ion Ratio Lower Upper
43 100
58 48.3 36.6 55.0



#52
Toluene
Concen: 4.135 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 92 Resp: 13980
Ion Ratio Lower Upper
92 100
91 179.2 141.7 212.5

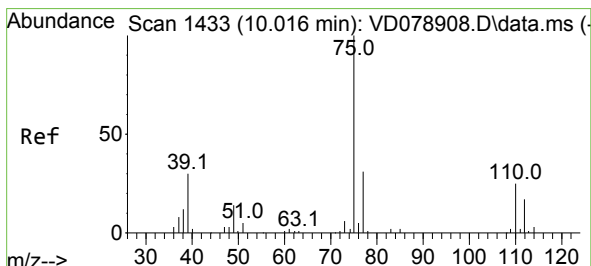
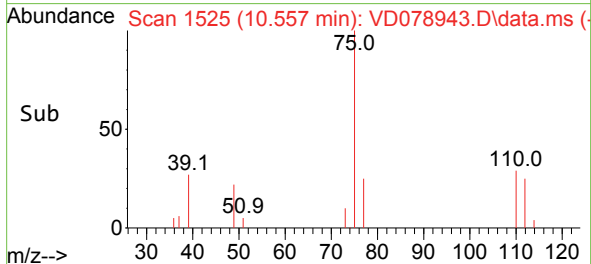
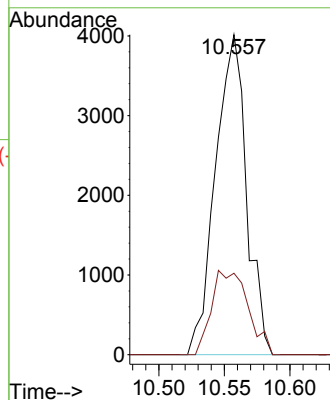
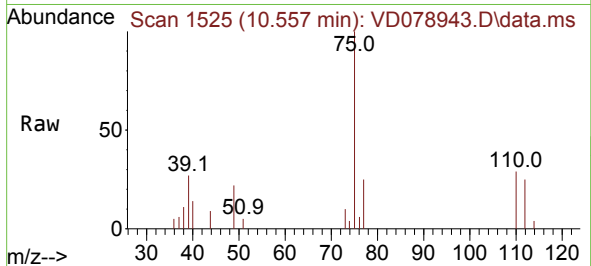




#53
t-1,3-Dichloropropene
Concen: 4.235 ug/l
RT: 10.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

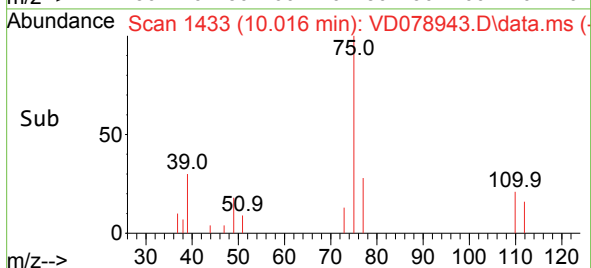
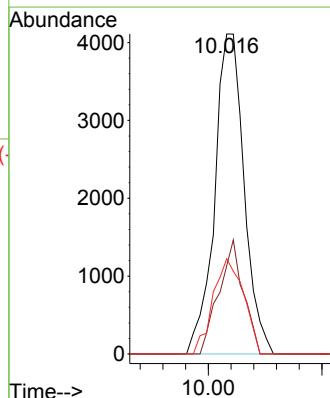
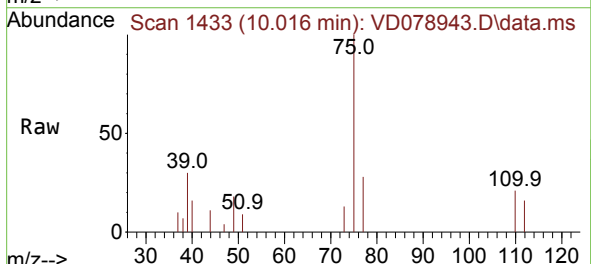
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

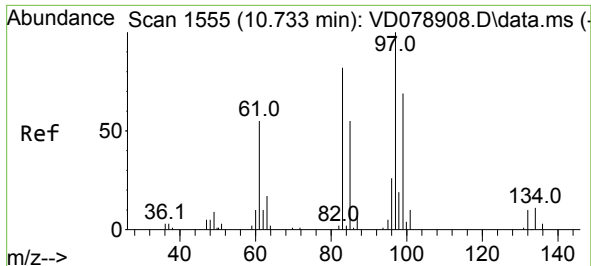
Tgt Ion: 75 Resp: 6618
Ion Ratio Lower Upper
75 100
77 25.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 3.950 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 75 Resp: 7408
Ion Ratio Lower Upper
75 100
77 27.6 24.4 36.6
39 29.8 24.2 36.2

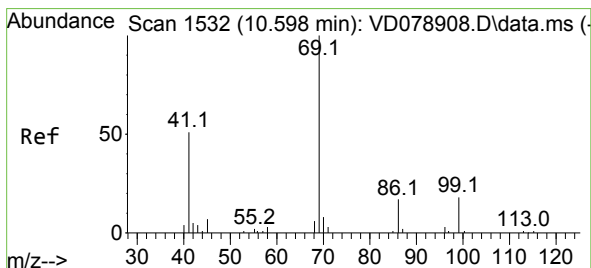
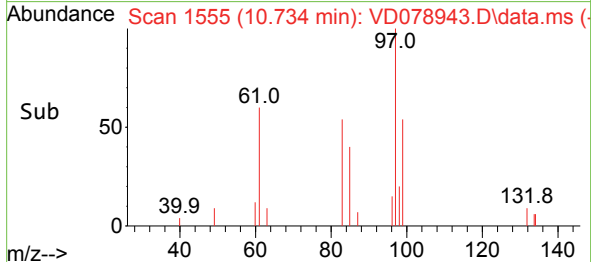
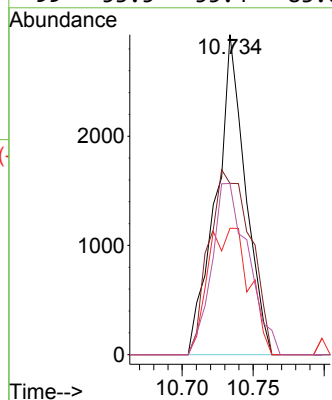
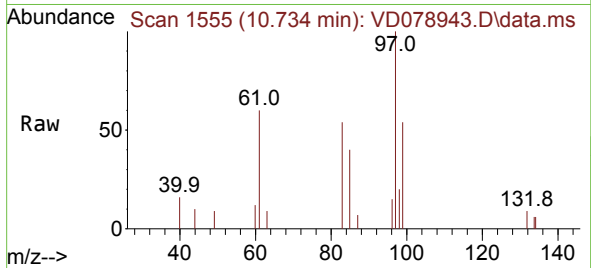




#55
1,1,2-Trichloroethane
Concen: 4.250 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

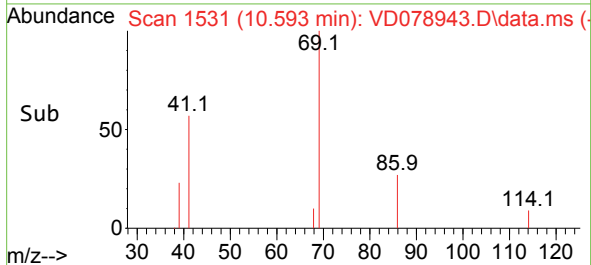
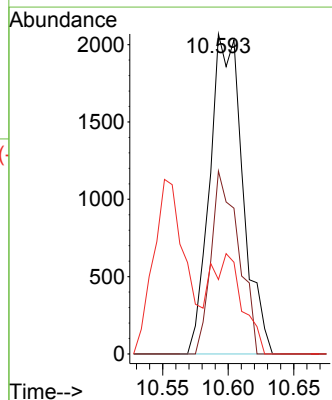
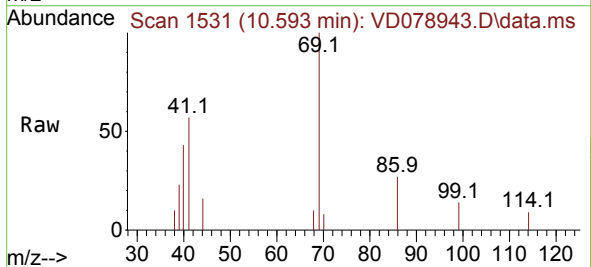
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

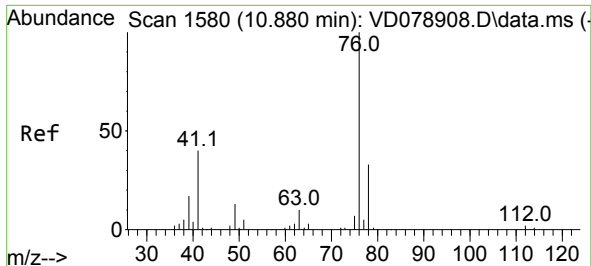
Tgt Ion: 97	Resp: 4195
Ion Ratio	Lower Upper
97 100	
83 53.5	65.8 98.8#
85 39.5	43.8 65.8#
99 53.5	55.4 83.0#



#56
Ethyl methacrylate
Concen: 3.562 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 69	Resp: 3617
Ion Ratio	Lower Upper
69 100	
41 47.6	39.8 59.6
39 29.4	20.2 30.4





#57

1,3-Dichloropropane

Concen: 4.273 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

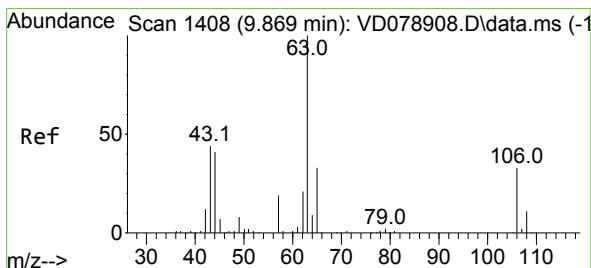
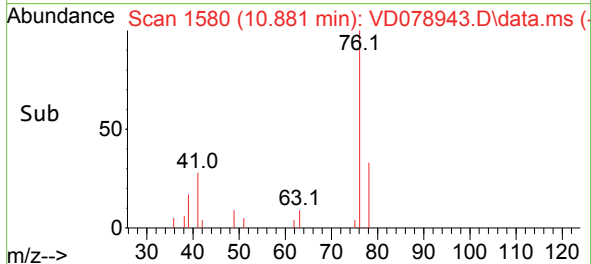
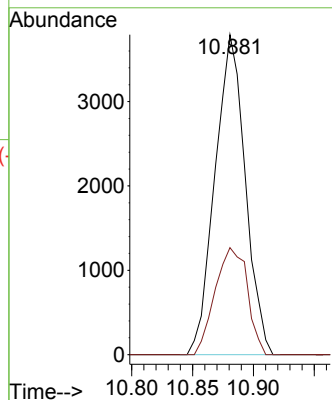
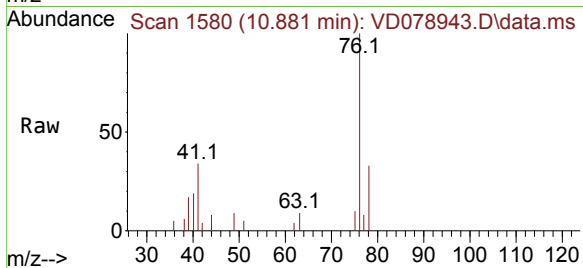
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 6567

Ion Ratio Lower Upper

76 100

78 35.5 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 17.473 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078943.D

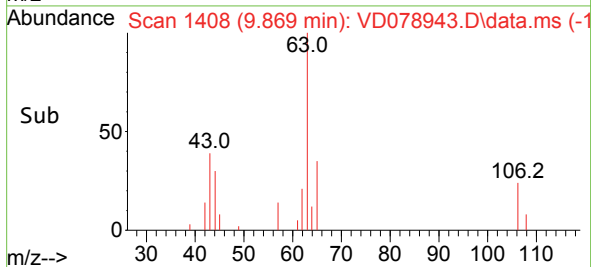
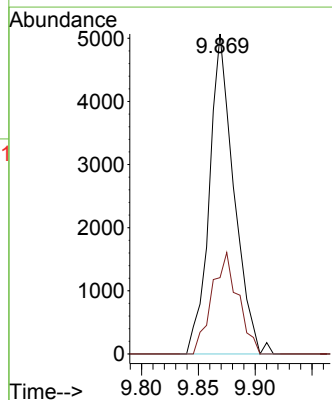
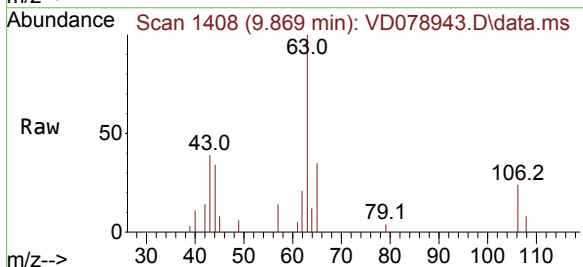
Acq: 16 May 2024 12:45

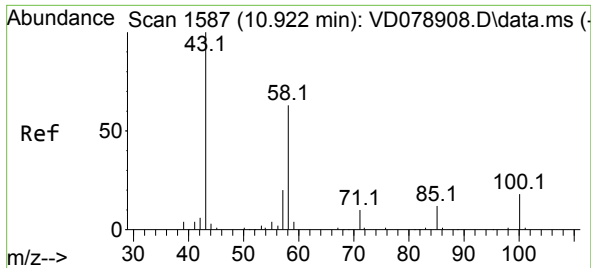
Tgt Ion: 63 Resp: 7624

Ion Ratio Lower Upper

63 100

106 33.8 26.4 39.6

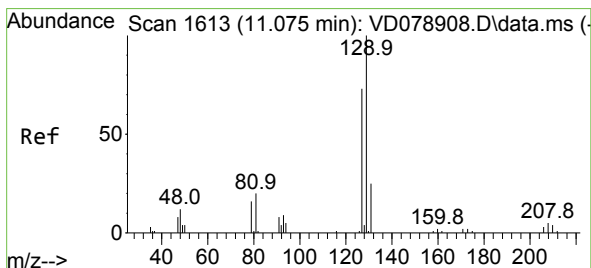
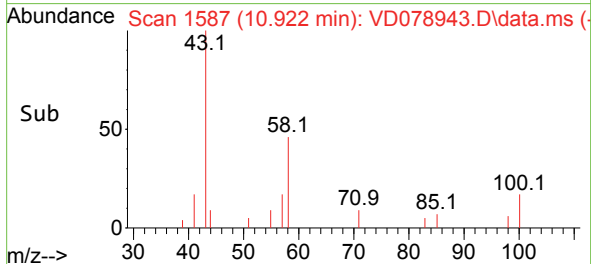
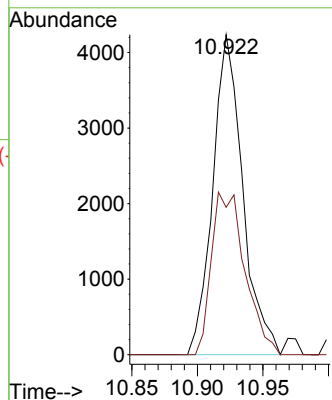
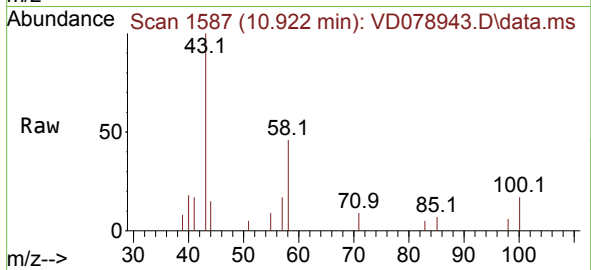




#59
2-Hexanone
Concen: 18.358 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

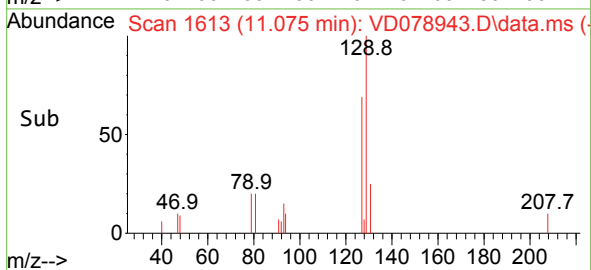
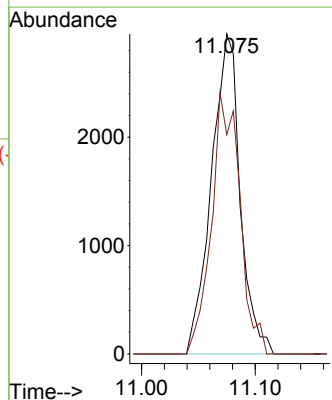
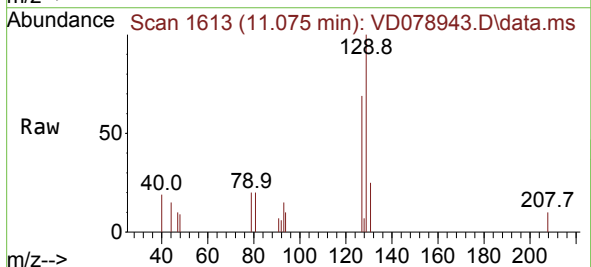
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

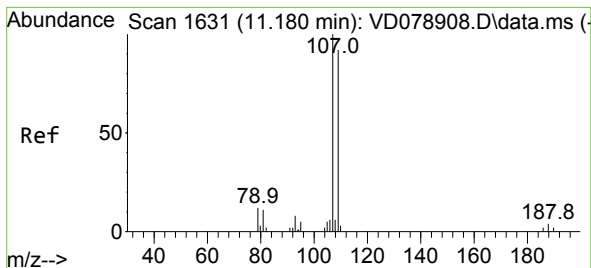
Tgt Ion: 43 Resp: 6720
Ion Ratio Lower Upper
43 100
58 56.8 31.1 93.5



#60
Dibromochloromethane
Concen: 3.865 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 129 Resp: 5201
Ion Ratio Lower Upper
129 100
127 80.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 3.816 ug/l

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

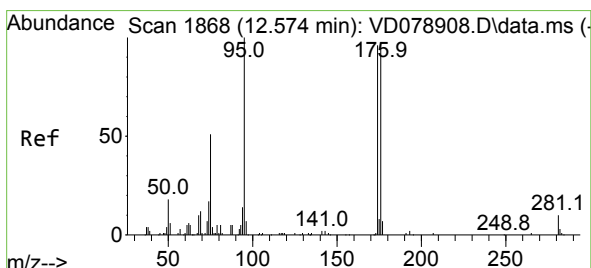
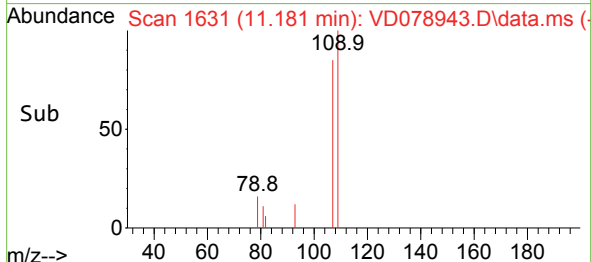
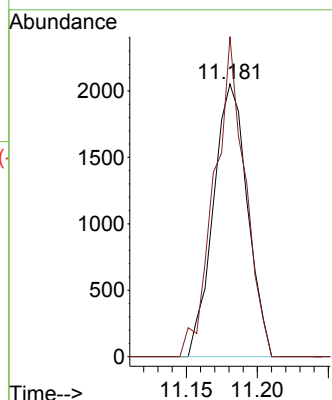
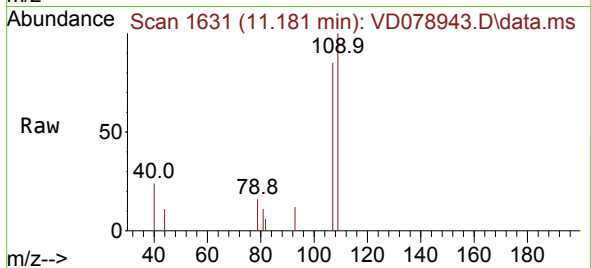
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 3434

Ion Ratio Lower Upper

107 100

109 105.6 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 52.598 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

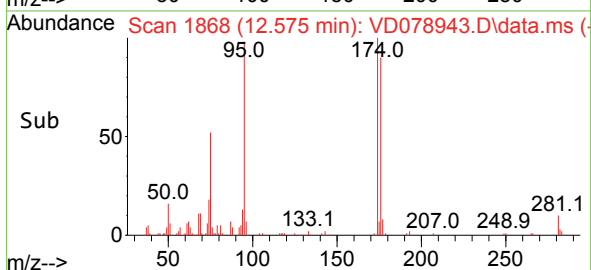
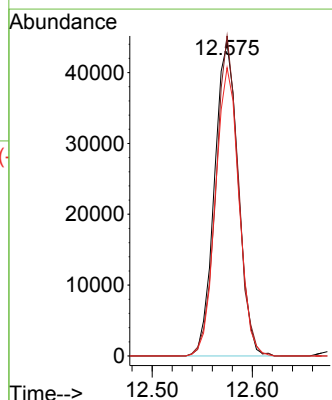
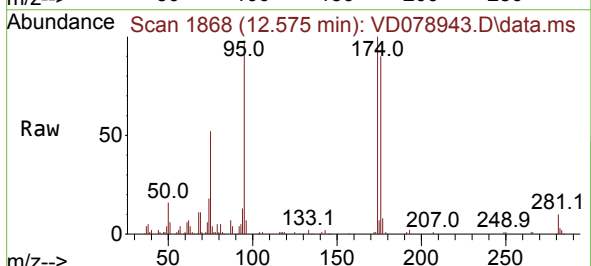
Tgt Ion: 95 Resp: 72682

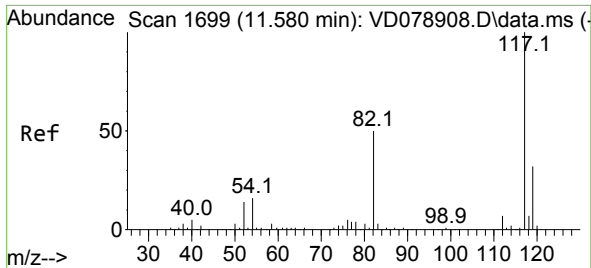
Ion Ratio Lower Upper

95 100

174 96.0 0.0 195.4

176 90.8 0.0 192.6

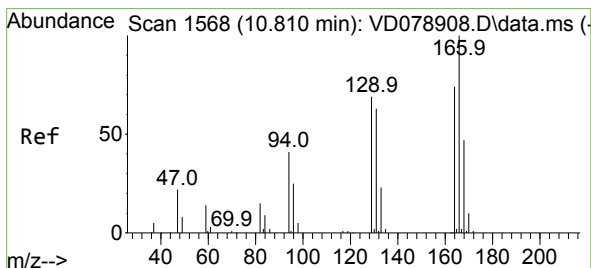
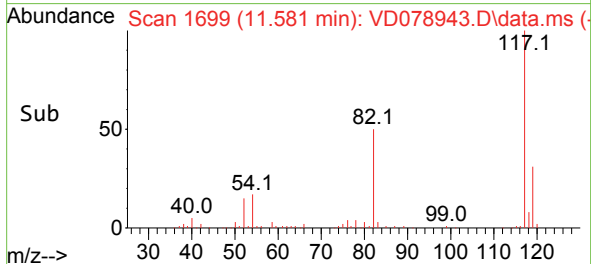
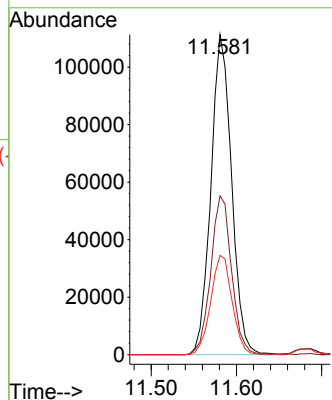
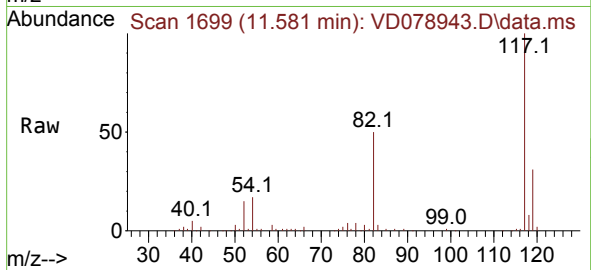




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

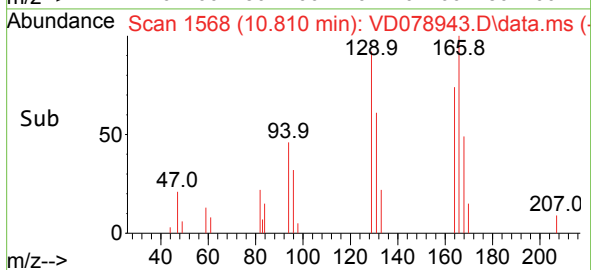
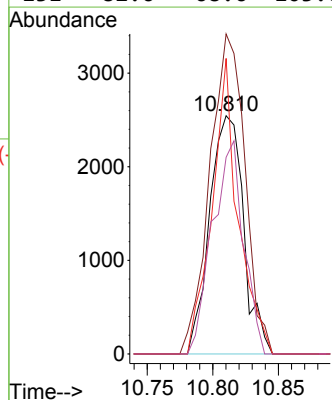
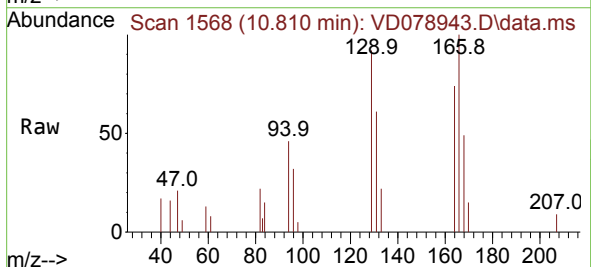
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

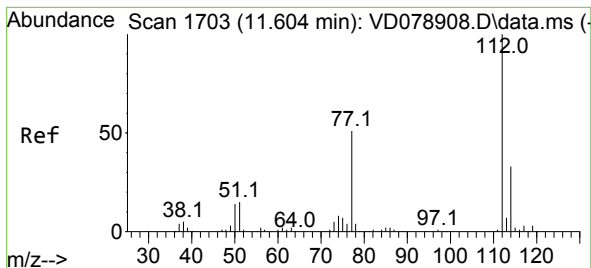
Tgt Ion:117 Resp: 187529
Ion Ratio Lower Upper
117 100
82 49.6 39.8 59.6
119 31.0 25.7 38.5



#64
Tetrachloroethene
Concen: 3.846 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:164 Resp: 4576
Ion Ratio Lower Upper
164 100
166 134.4 108.6 163.0
129 124.1 74.6 112.0#
131 82.6 68.6 103.0





#65

Chlorobenzene

Concen: 4.251 ug/l

RT: 11.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

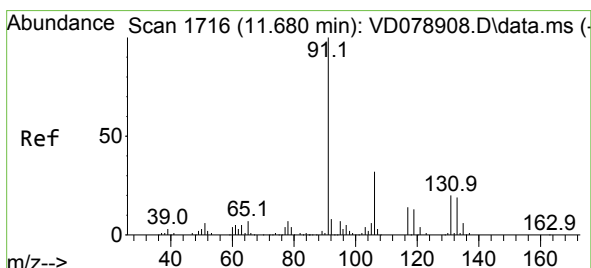
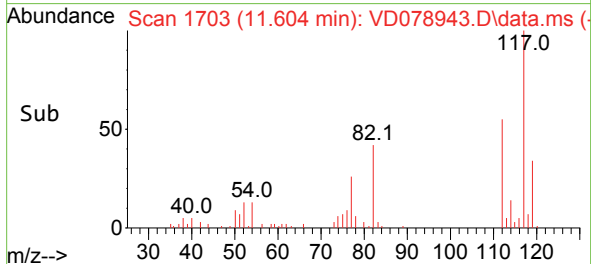
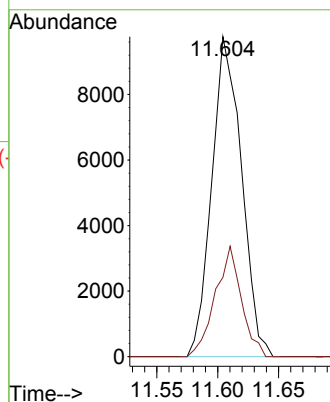
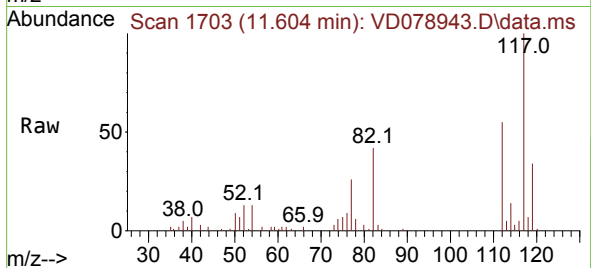
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 16582

Ion Ratio Lower Upper

112 100

114 24.8 26.0 39.0#



#66

1,1,1,2-Tetrachloroethane

Concen: 4.641 ug/l

RT: 11.675 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

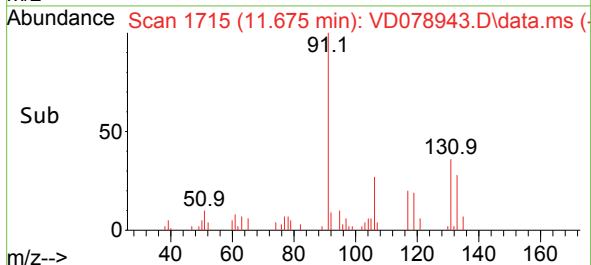
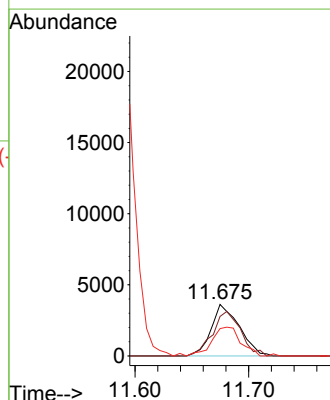
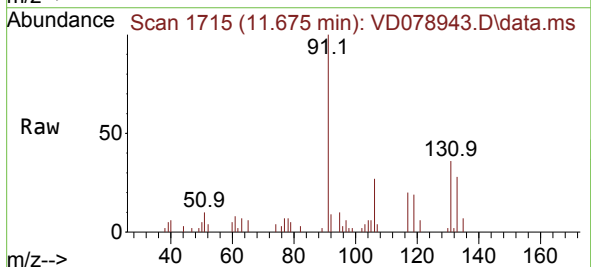
Tgt Ion:131 Resp: 6259

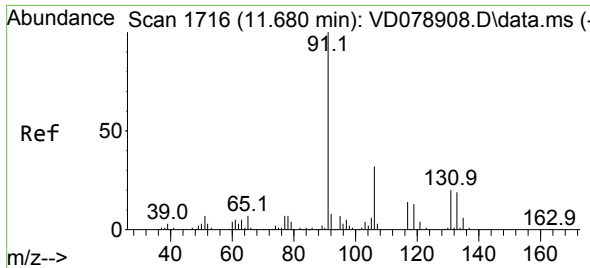
Ion Ratio Lower Upper

131 100

133 86.4 49.2 147.6

119 56.7 33.4 100.2

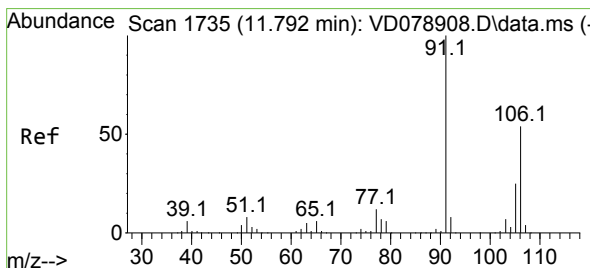
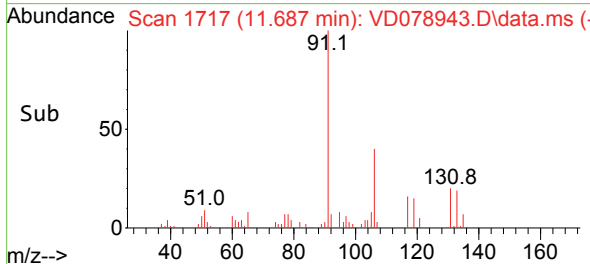
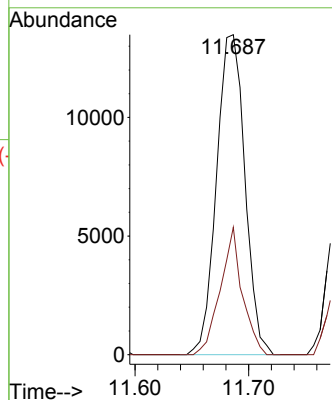
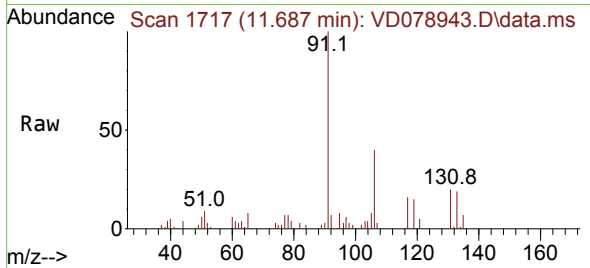




#67
Ethyl Benzene
Concen: 3.726 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

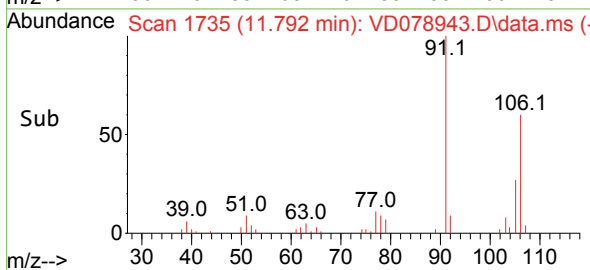
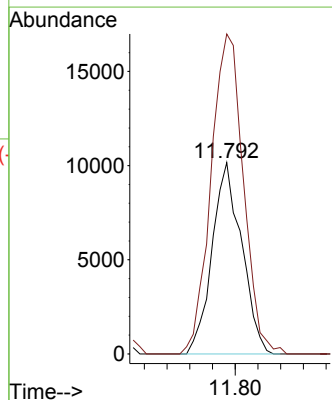
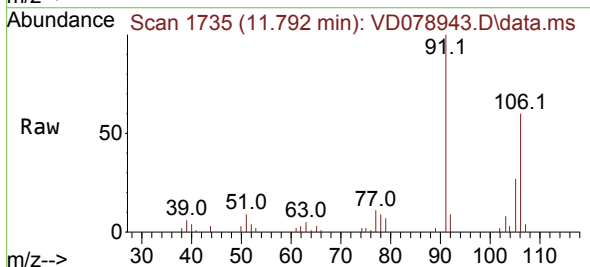
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

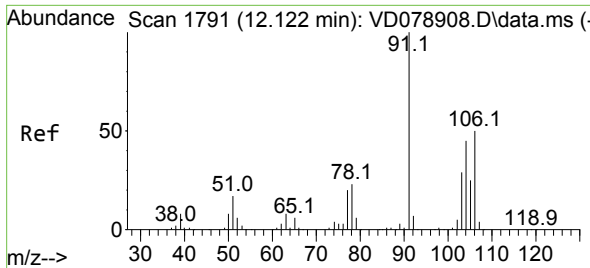
Tgt Ion: 91 Resp: 23379
Ion Ratio Lower Upper
91 100
106 39.8 25.8 38.6#



#68
m/p-Xylenes
Concen: 7.189 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 106 Resp: 18339
Ion Ratio Lower Upper
106 100
91 183.3 148.5 222.7

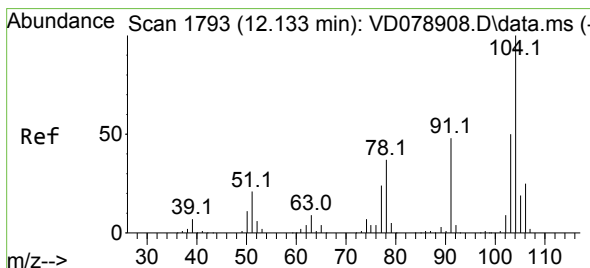
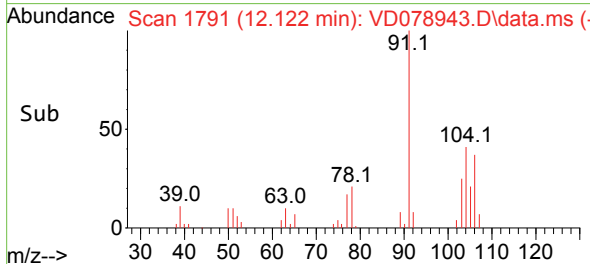
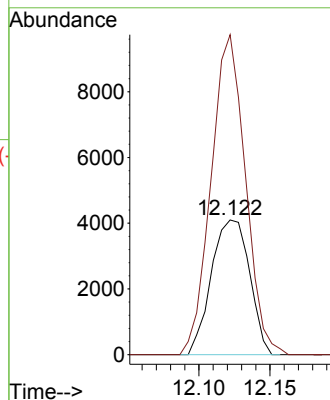
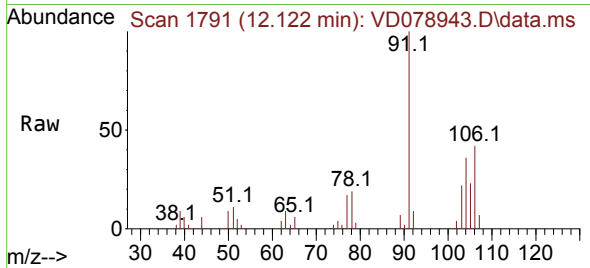




#69
o-Xylene
Concen: 3.297 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

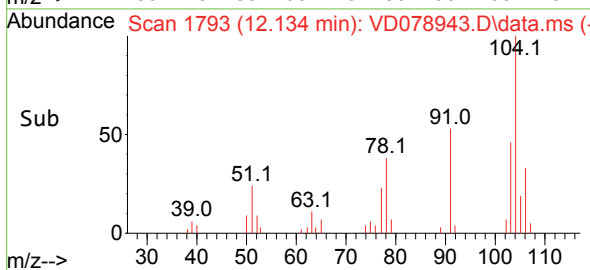
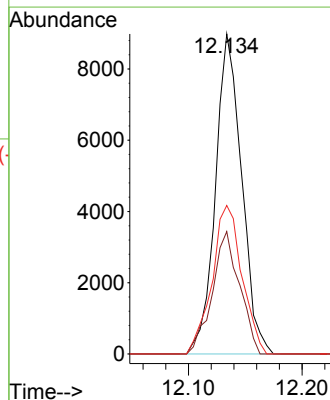
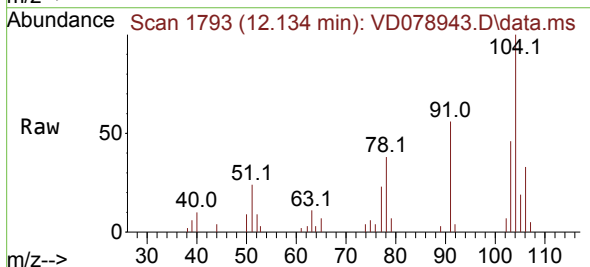
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

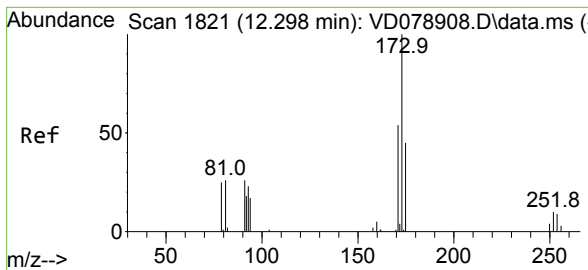
Tgt Ion:106 Resp: 7667
Ion Ratio Lower Upper
106 100
91 213.5 96.7 290.1



#70
Styrene
Concen: 3.496 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:104 Resp: 14410
Ion Ratio Lower Upper
104 100
78 39.7 33.0 49.6
103 52.9 44.2 66.4





#71

Bromoform

Concen: 3.842 ug/l

RT: 12.298 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

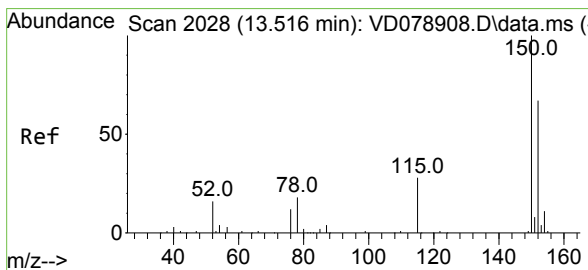
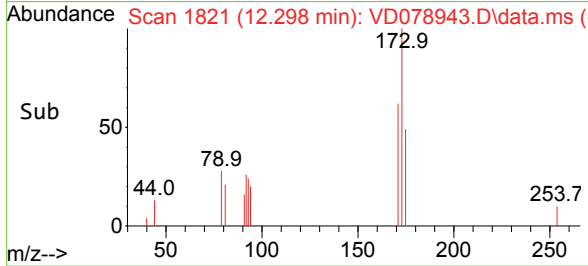
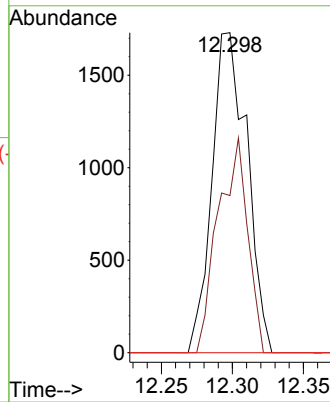
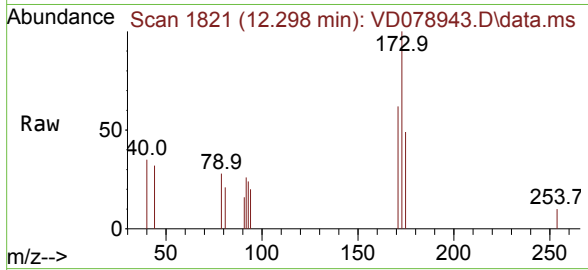
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:173	Resp:	2968
Ion Ratio	Lower	Upper
173	100	
175	56.4	23.7 71.1
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

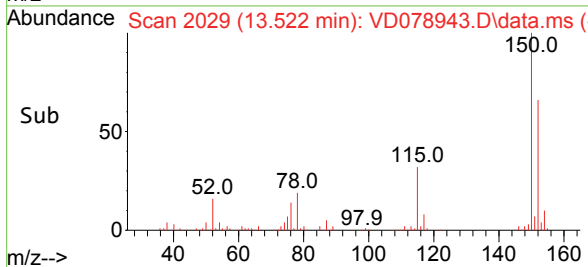
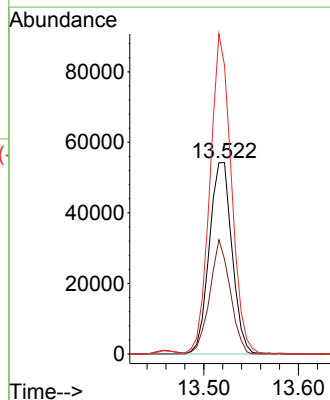
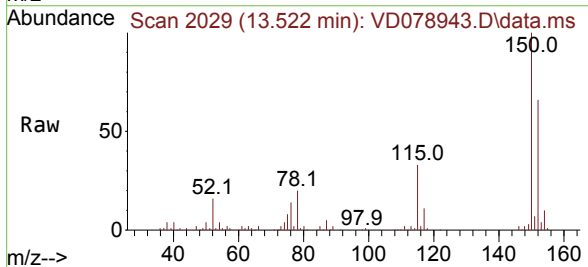
RT: 13.522 min Scan# 2029

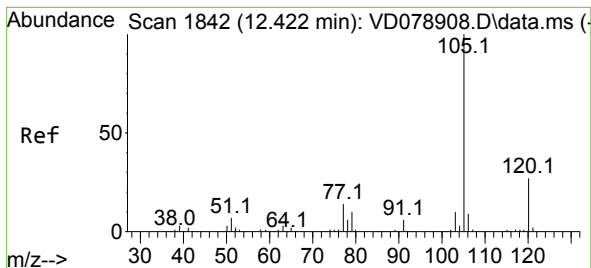
Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Tgt Ion:152	Resp:	90709
Ion Ratio	Lower	Upper
152	100	
115	53.5	26.5 79.5
150	157.3	0.0 341.6





#73

Isopropylbenzene

Concen: 3.576 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

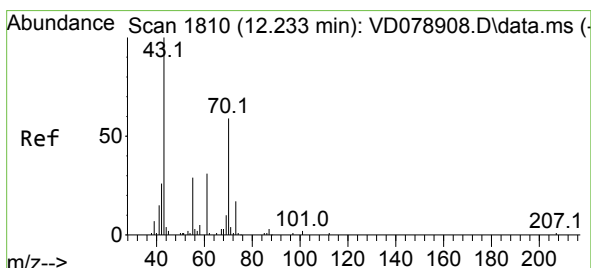
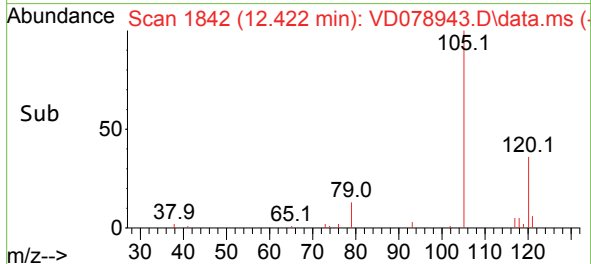
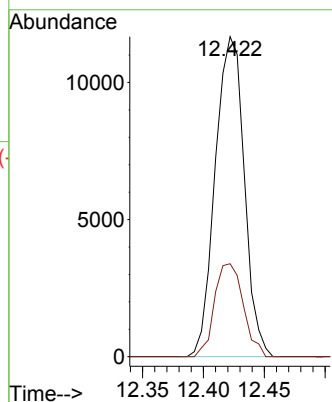
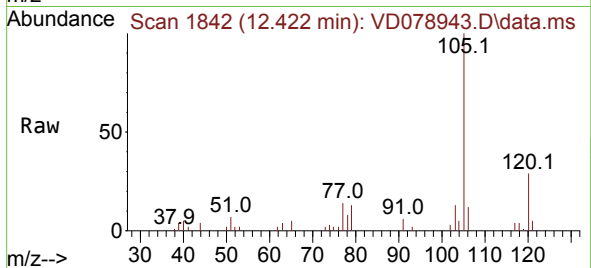
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 19358

Ion Ratio Lower Upper

105 100

120 28.8 13.6 40.7



#74

N-ethyl acetate

Concen: 3.993 ug/l

RT: 12.228 min Scan# 1809

Delta R.T. -0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Tgt Ion: 43 Resp: 3508

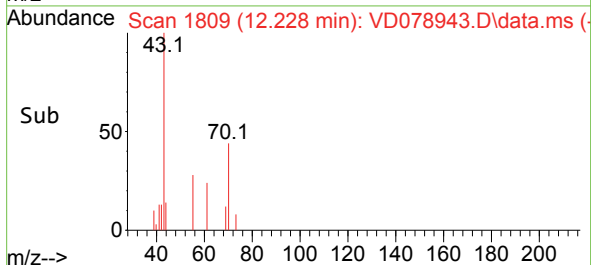
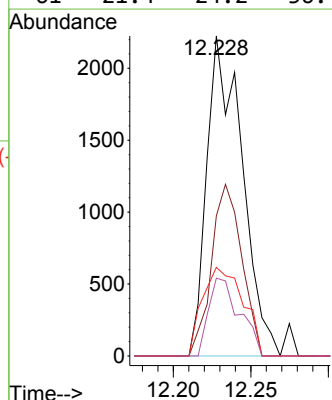
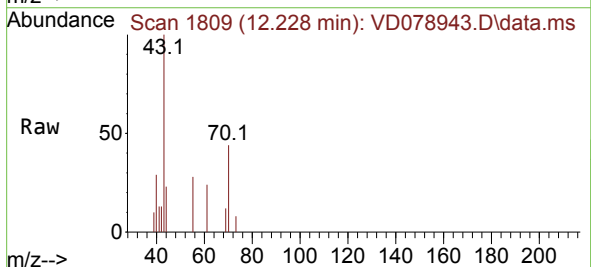
Ion Ratio Lower Upper

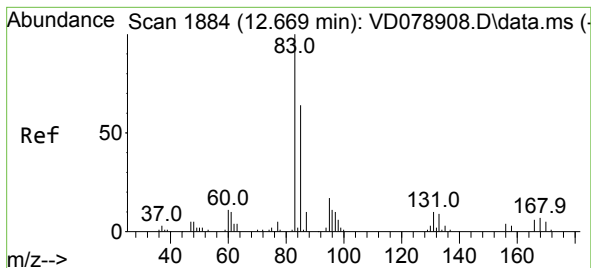
43 100

70 46.2 44.3 66.5

55 32.0 23.2 34.8

61 21.4 24.2 36.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.787 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

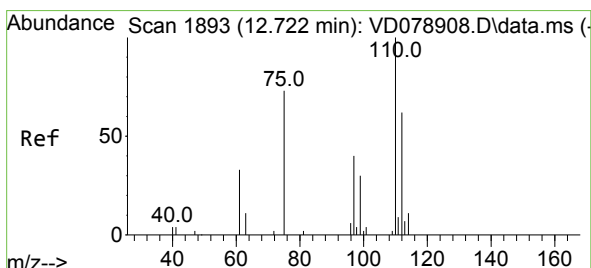
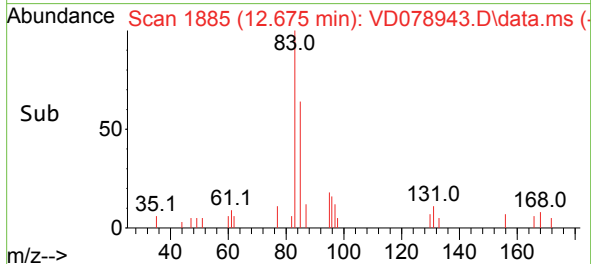
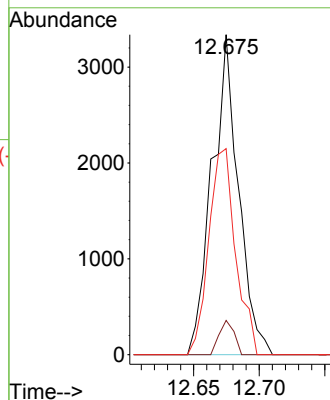
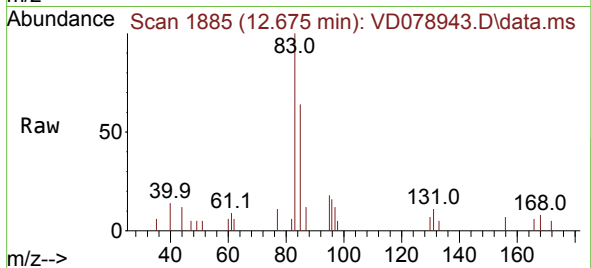
Tgt Ion: 83 Resp: 4675

Ion Ratio Lower Upper

83 100

131 6.0 5.5 16.5

85 65.2 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 8.583 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078943.D

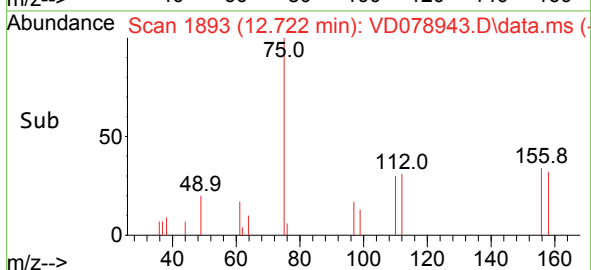
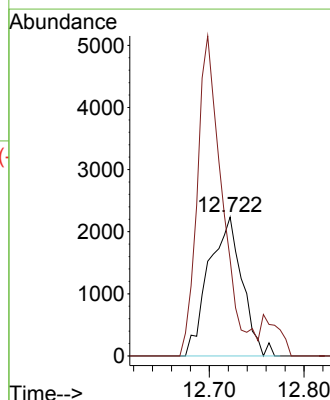
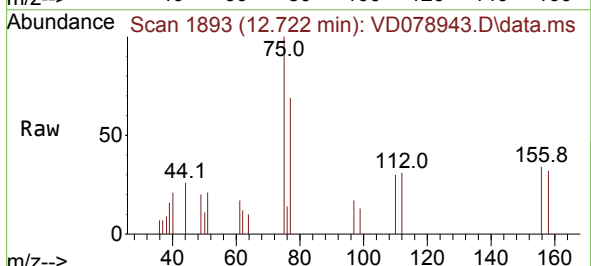
Acq: 16 May 2024 12:45

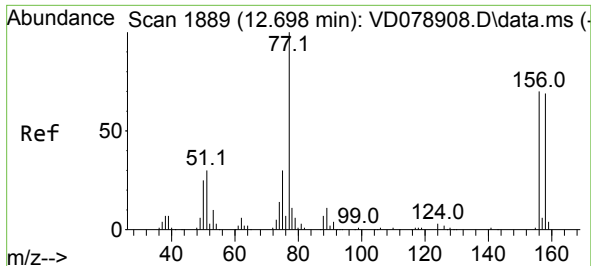
Tgt Ion: 75 Resp: 5481

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

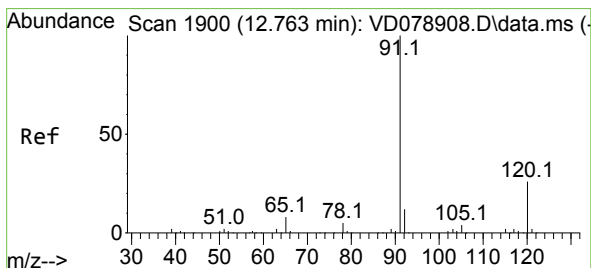
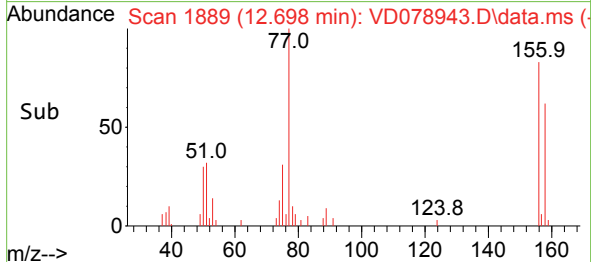
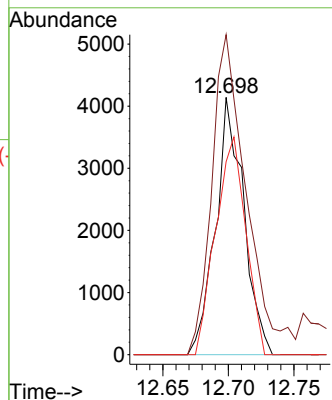
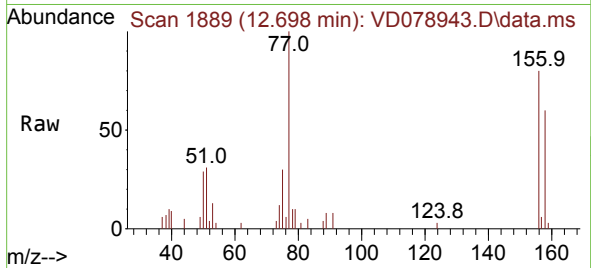




#77
Bromobenzene
Concen: 4.329 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

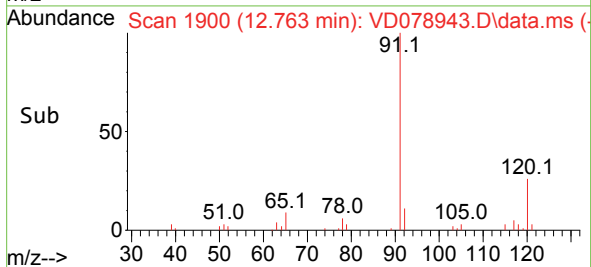
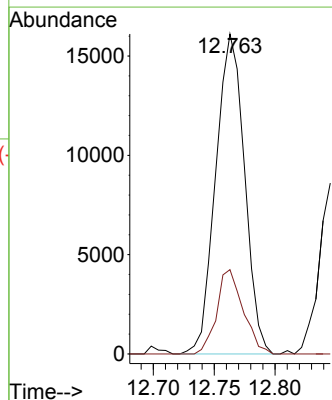
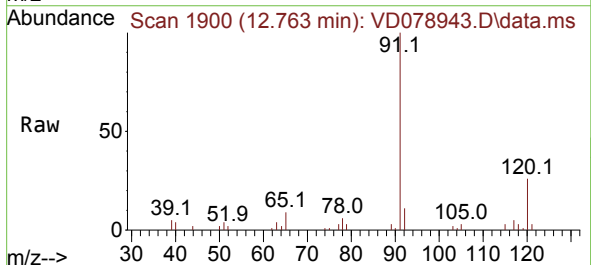
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

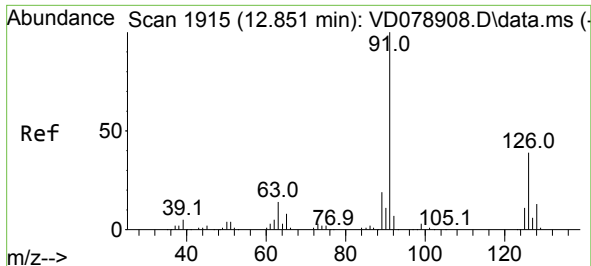
Tgt Ion:156 Resp: 6163
Ion Ratio Lower Upper
156 100
77 149.8 77.3 231.9
158 91.1 49.6 149.0



#78
n-propylbenzene
Concen: 4.054 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 91 Resp: 26531
Ion Ratio Lower Upper
91 100
120 24.1 12.3 36.8

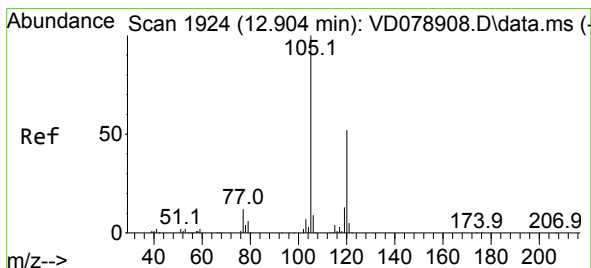
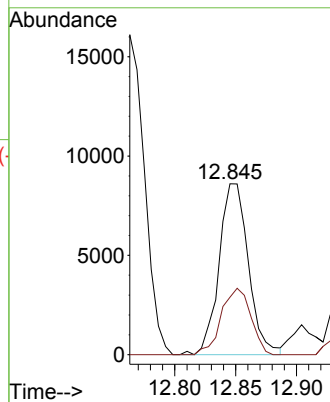
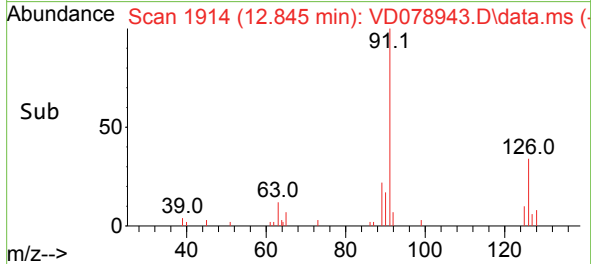
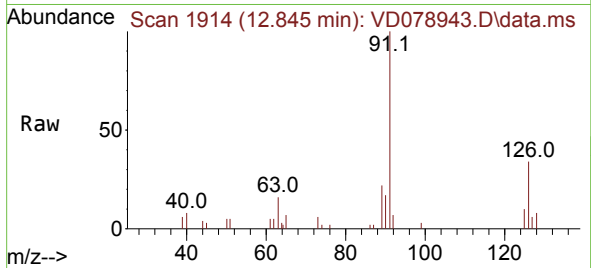




#79
2-Chlorotoluene
Concen: 3.978 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

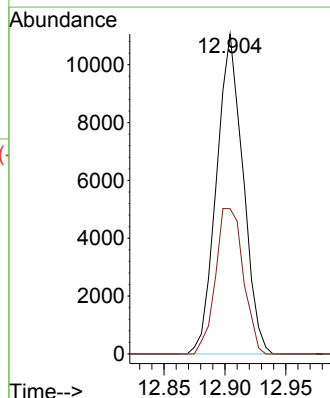
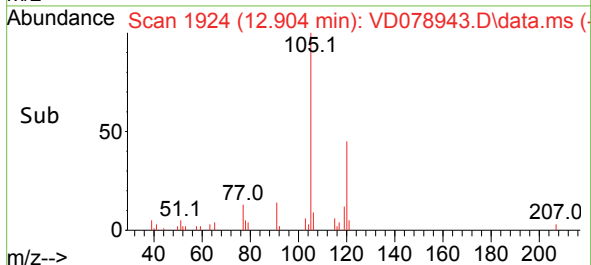
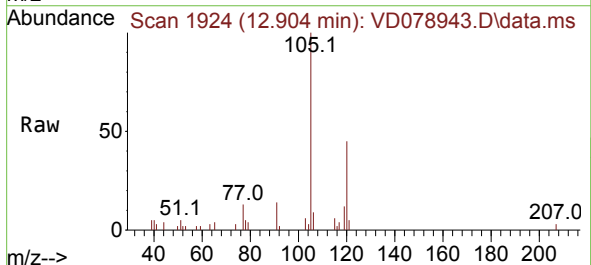
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

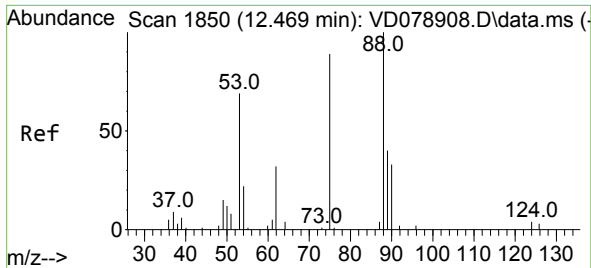
Tgt Ion: 91 Resp: 14467
Ion Ratio Lower Upper
91 100
126 39.2 19.3 57.8



#80
1,3,5-Trimethylbenzene
Concen: 3.724 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 105 Resp: 16753
Ion Ratio Lower Upper
105 100
120 47.7 25.7 77.1

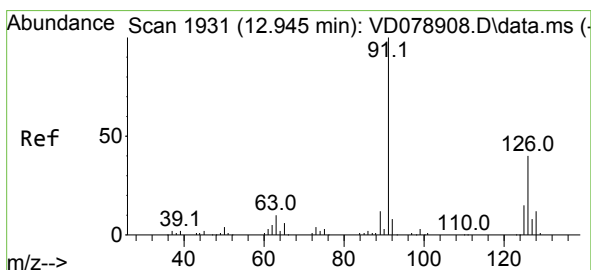
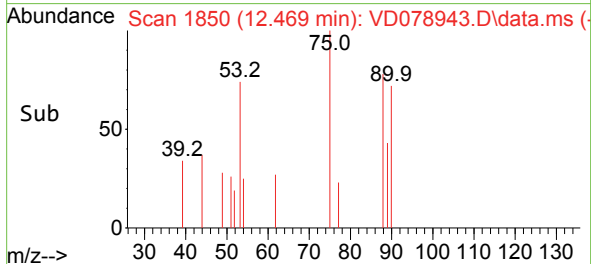
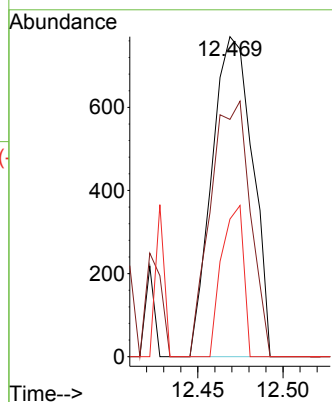
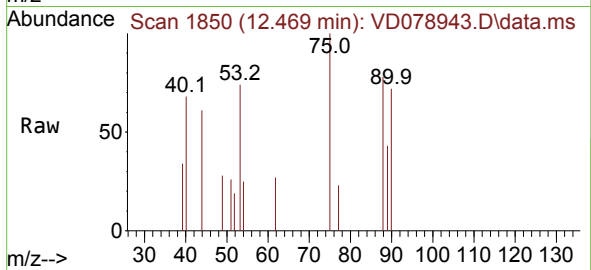




#81
trans-1,4-Dichloro-2-butene
Concen: 3.959 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

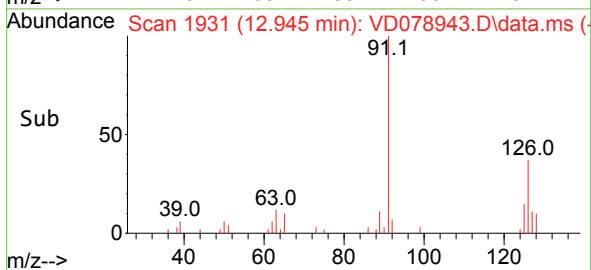
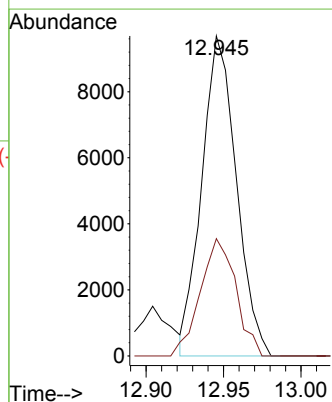
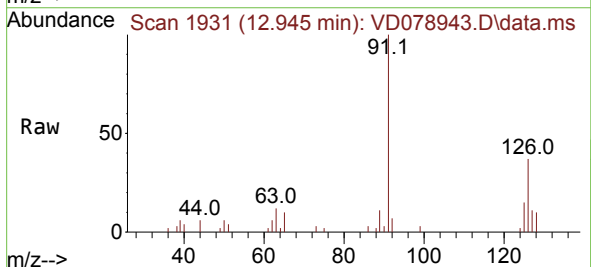
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

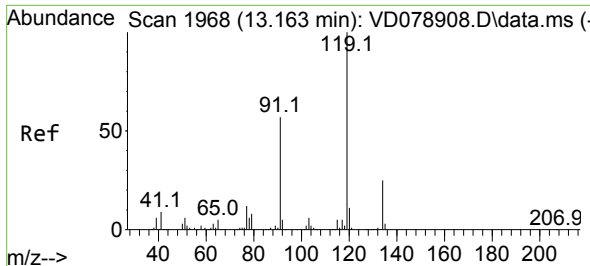
Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
53 78.2 61.4 92.2
89 25.6 35.4 53.0#



#82
4-Chlorotoluene
Concen: 3.936 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 91 Resp: 15017
Ion Ratio Lower Upper
91 100
126 37.6 18.9 56.9

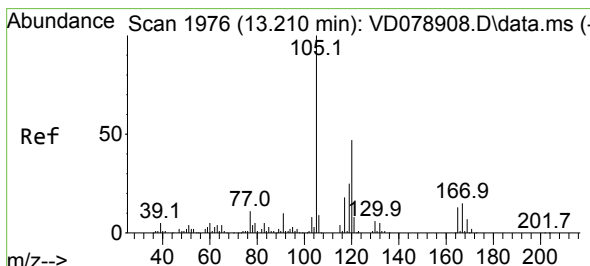
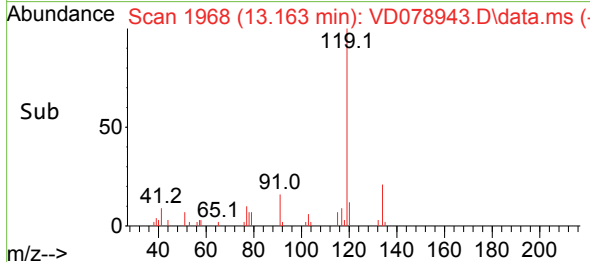
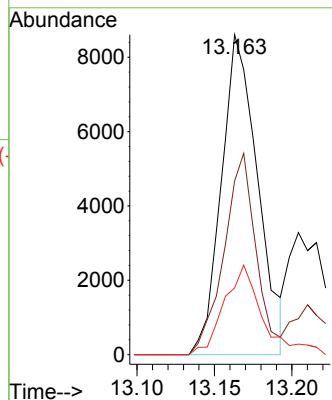
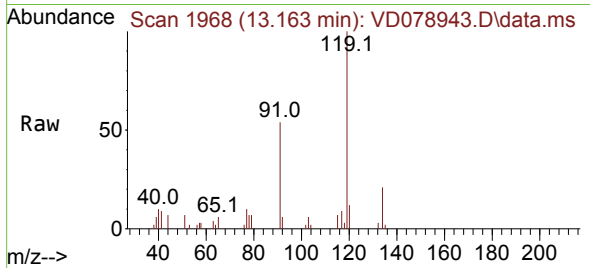




#83
tert-Butylbenzene
Concen: 3.522 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

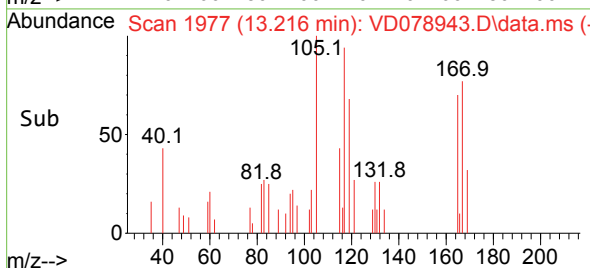
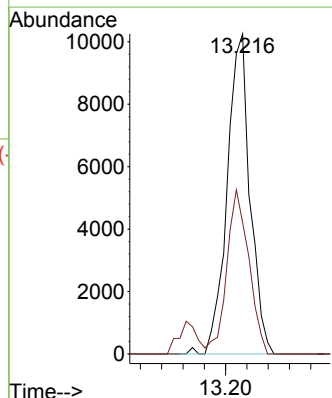
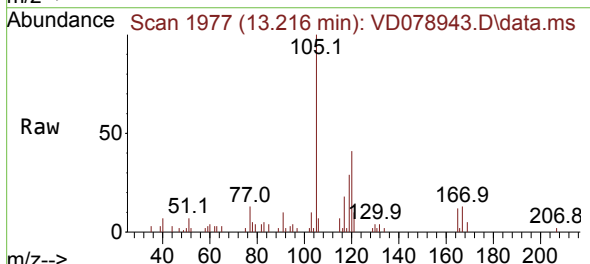
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2024

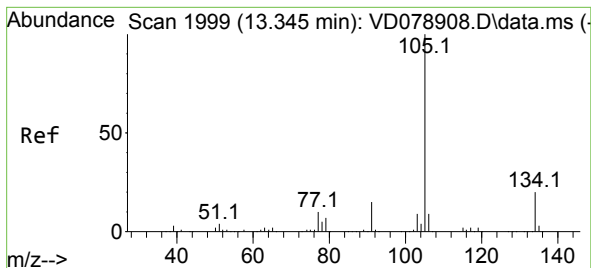
Tgt Ion:119	Resp:	14010
Ion Ratio	Lower	Upper
119	100	
91	55.7	28.2 84.7
134	29.6	13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 3.287 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:105	Resp:	15316
Ion Ratio	Lower	Upper
105	100	
120	49.2	23.6 71.0





#85

sec-Butylbenzene

Concen: 3.498 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Instrument :

MSVOA_D

ClientSampleId :

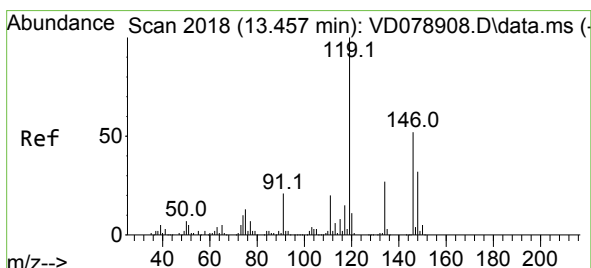
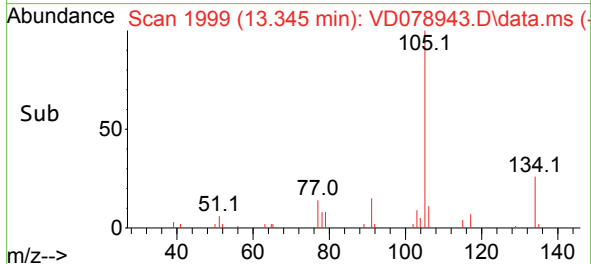
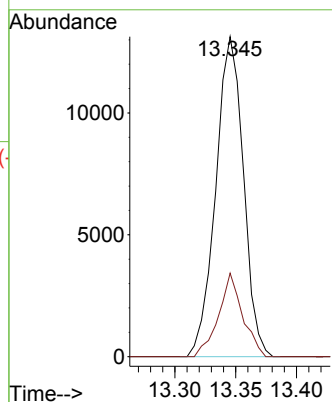
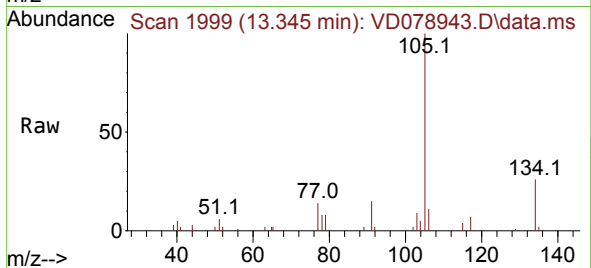
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 20760

Ion Ratio Lower Upper

105 100

134 22.7 10.3 30.8



#86

p-Isopropyltoluene

Concen: 3.398 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

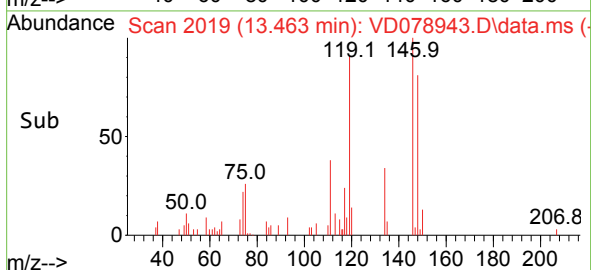
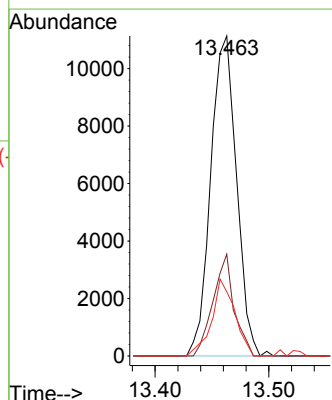
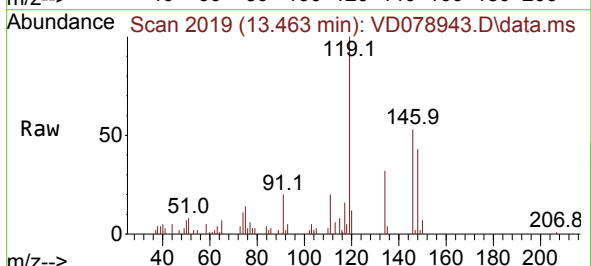
Tgt Ion:119 Resp: 17569

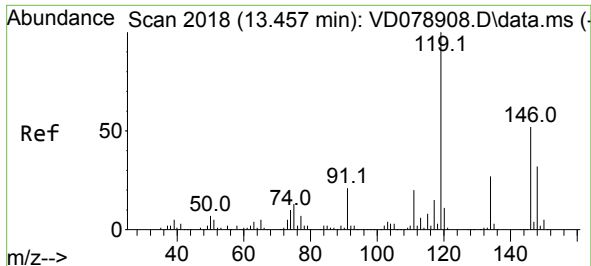
Ion Ratio Lower Upper

119 100

134 26.0 13.7 41.1

91 21.4 10.7 32.1

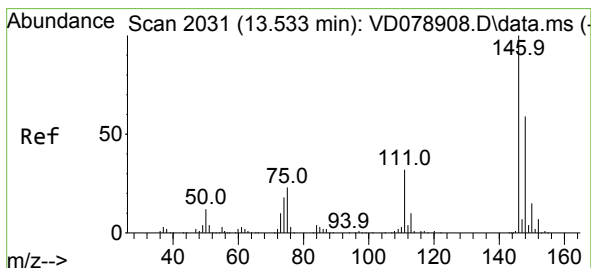
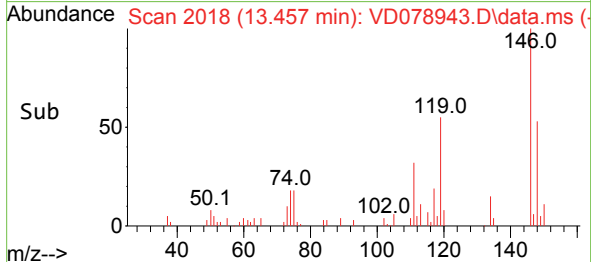
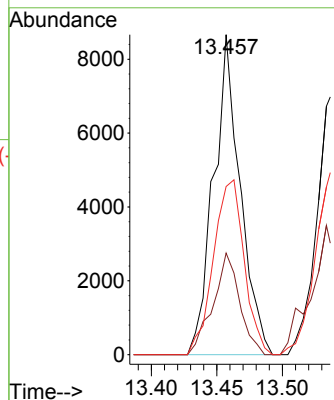
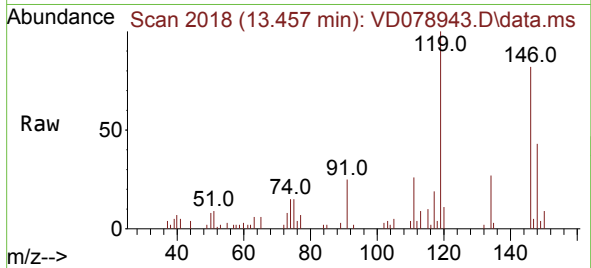




#87
1,3-Dichlorobenzene
Concen: 4.062 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

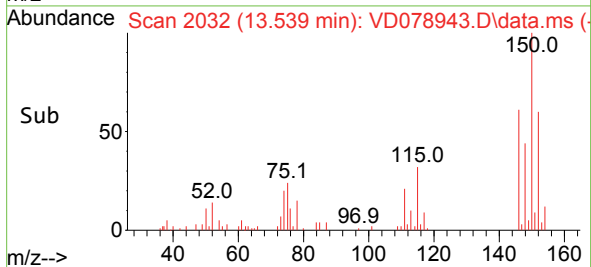
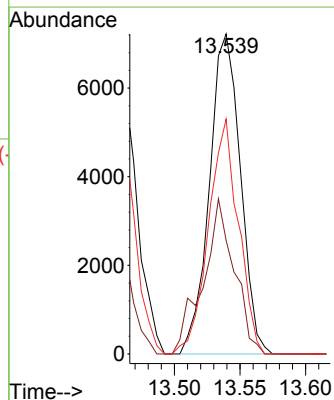
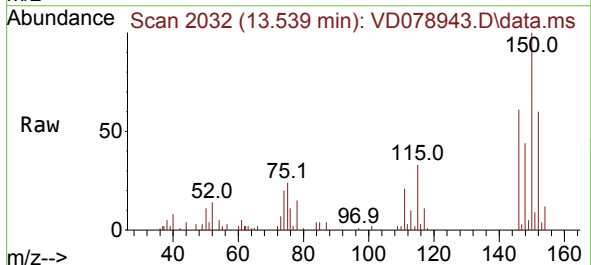
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

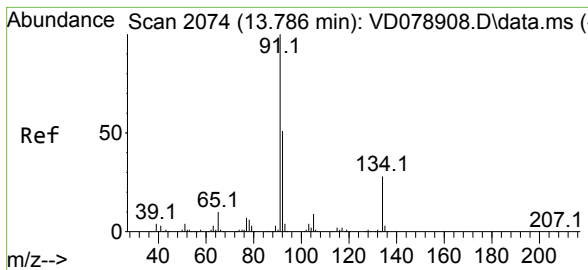
Tgt Ion:146	Resp:	12238
Ion	Ratio	Lower Upper
146	100	
111	31.7	18.5 55.5
148	62.9	30.9 92.8



#88
1,4-Dichlorobenzene
Concen: 4.025 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:146	Resp:	11877
Ion	Ratio	Lower Upper
146	100	
111	49.0	17.5 52.6
148	70.8	31.4 94.2

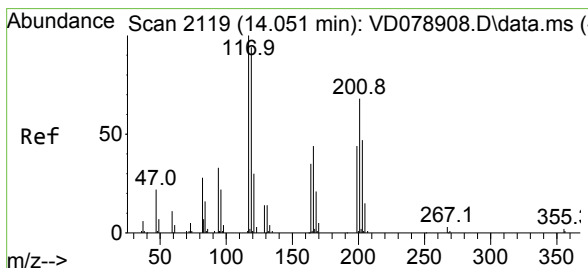
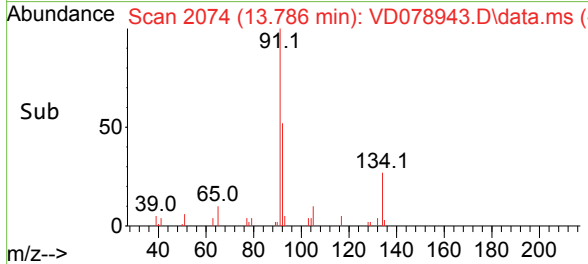
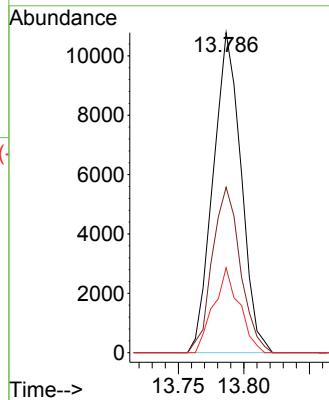
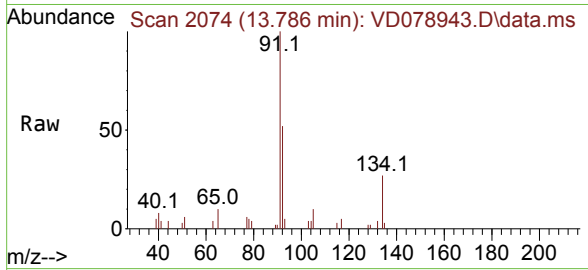




#89
n-Butylbenzene
Concen: 3.450 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

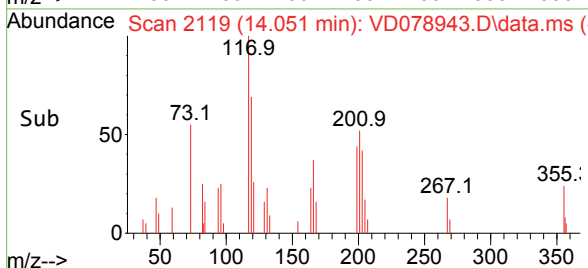
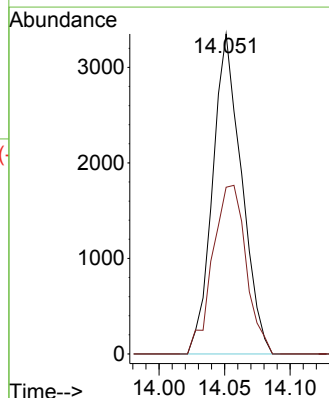
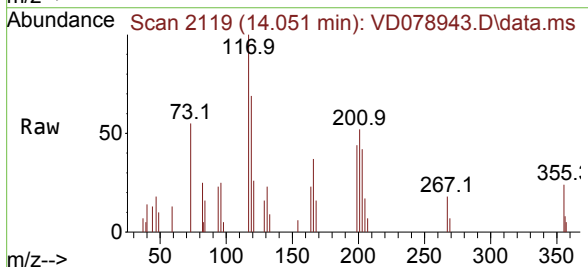
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

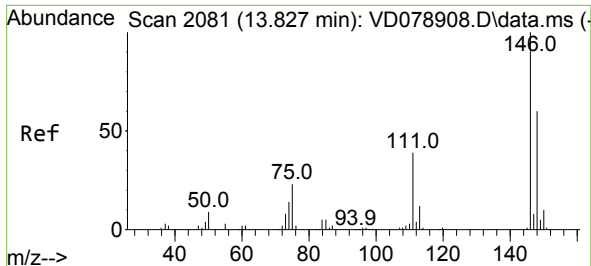
Tgt Ion:	91	Resp:	15982
Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.7	77.0
134	24.4	13.6	40.8



#90
Hexachloroethane
Concen: 4.718 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:	117	Resp:	5145
Ion	Ratio	Lower	Upper
117	100		
201	60.8	36.3	108.9

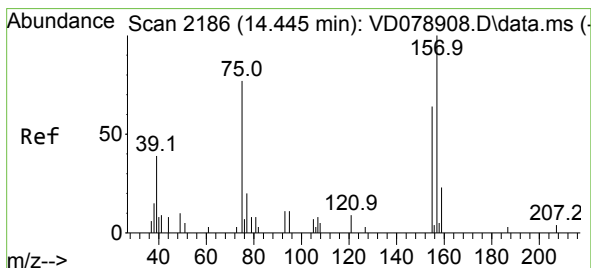
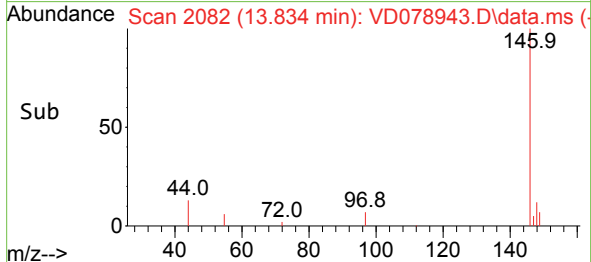
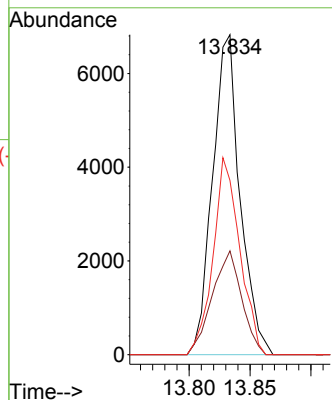
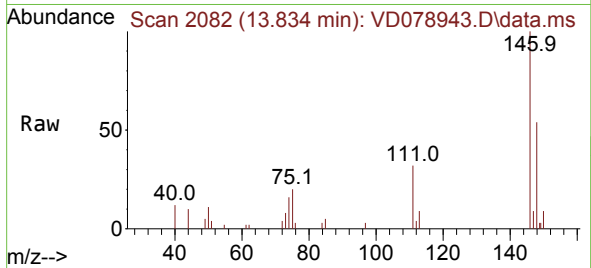




#91
1,2-Dichlorobenzene
Concen: 4.260 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

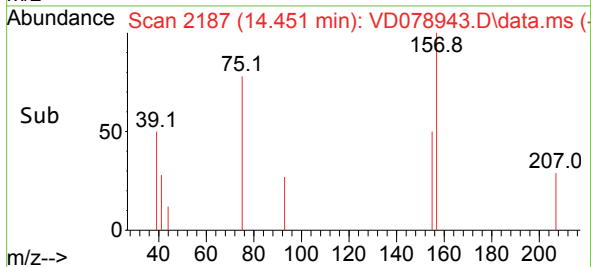
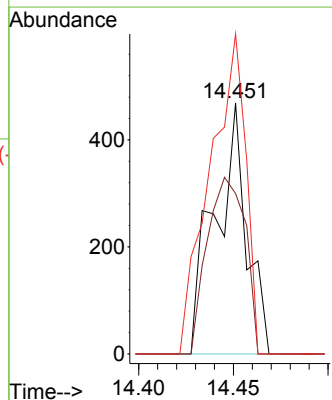
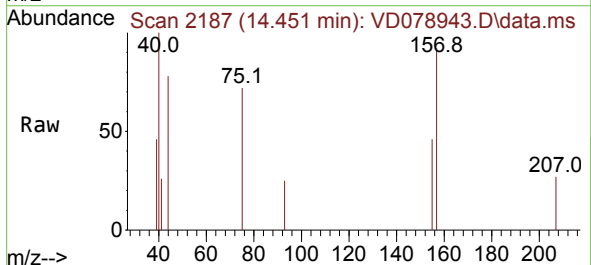
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

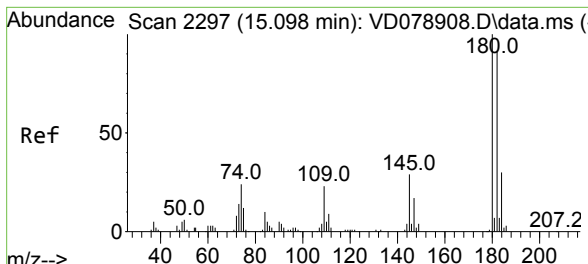
Tgt Ion:146 Resp: 10738
Ion Ratio Lower Upper
146 100
111 34.8 19.1 57.1
148 59.7 31.1 93.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.207 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion: 75 Resp: 547
Ion Ratio Lower Upper
75 100
155 84.1 47.7 143.1
157 142.8 63.4 190.2

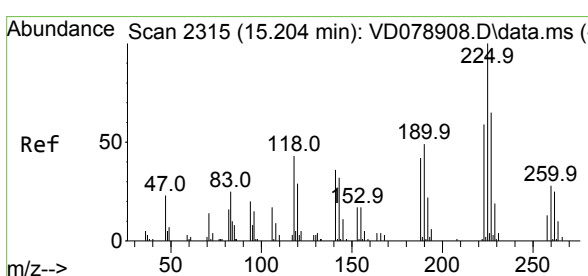
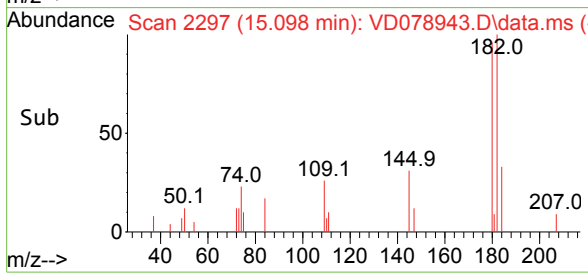
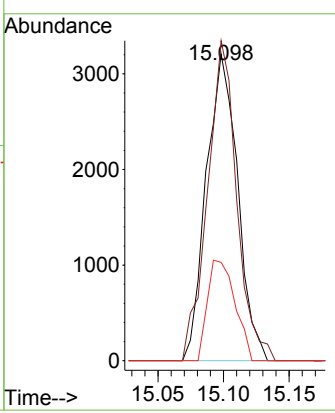
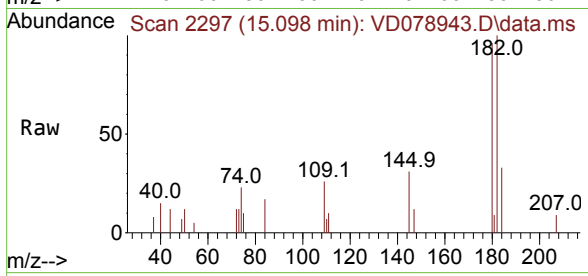




#93
1,2,4-Trichlorobenzene
Concen: 3.598 ug/l
RT: 15.098 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

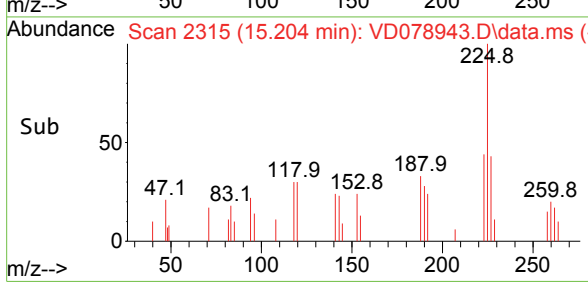
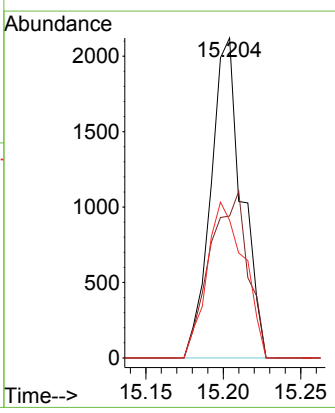
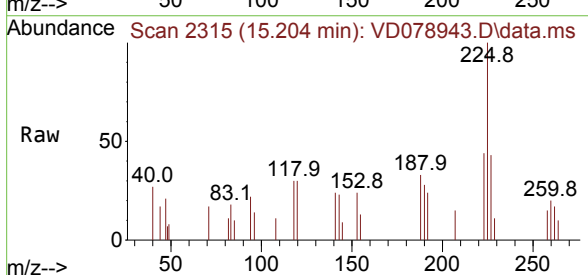
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2024

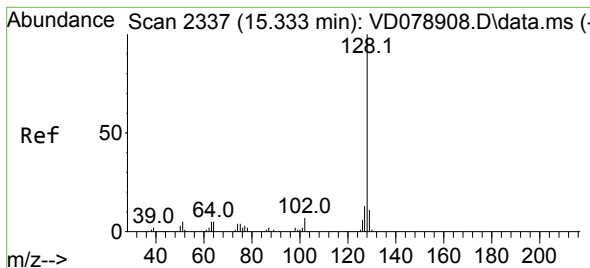
Tgt Ion:	180	Resp:	5326
Ion Ratio	Lower	Upper	
180	100		
182	97.4	46.9	140.7
145	28.7	14.0	41.9



#94
Hexachlorobutadiene
Concen: 3.833 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD078943.D
Acq: 16 May 2024 12:45

Tgt Ion:	225	Resp:	2965
Ion Ratio	Lower	Upper	
225	100		
223	62.9	33.3	99.9
227	58.1	33.6	100.6





#95

Naphthalene

Concen: 3.786 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.005 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

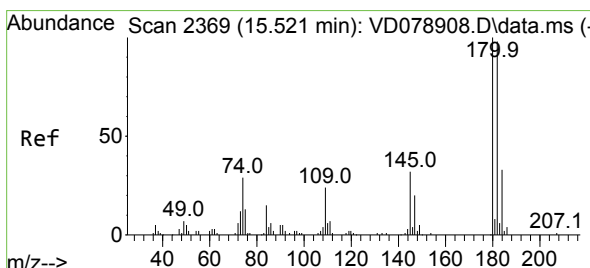
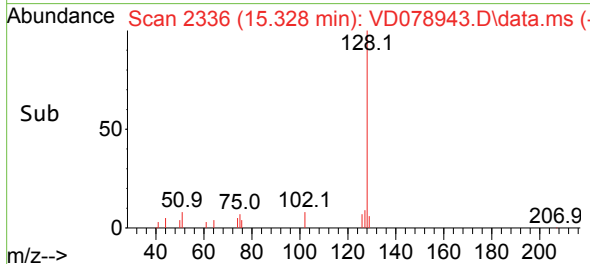
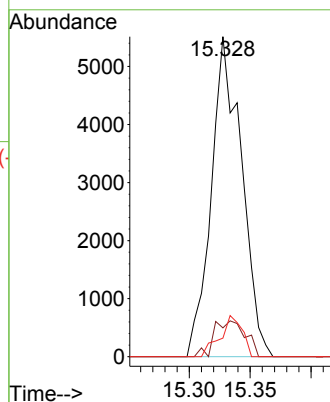
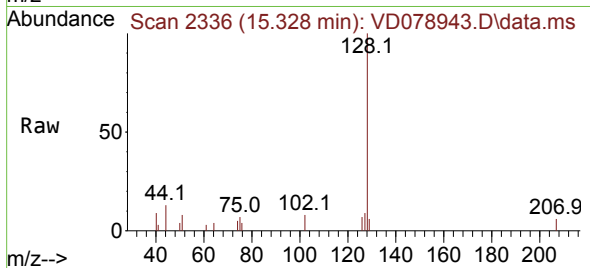
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:128	Resp:	9544
Ion Ratio	Lower	Upper
128	100	
127	9.0	10.2 15.4#
129	5.8	8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 3.694 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD078943.D

Acq: 16 May 2024 12:45

Tgt Ion:180	Resp:	4864
Ion Ratio	Lower	Upper
180	100	
182	105.9	47.8 143.3
145	29.5	16.1 48.2

