

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051624\
 Data File : VD078942.D
 Acq On : 16 May 2024 12:18
 Operator : RP/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: May 17 06:59:03 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	103224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	183284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60863	62.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.720%
35) Dibromofluoromethane	7.810	113	71490	58.595	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.200%
50) Toluene-d8	10.269	98	257894	56.385	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.760%
62) 4-Bromofluorobenzene	12.575	95	67708	52.695	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	105.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.940	85	2381	2.469	ug/l	86
3) Chloromethane	2.152	50	4010	2.727	ug/l	99
4) Vinyl Chloride	2.287	62	6444	2.898	ug/l	98
5) Bromomethane	2.693	94	6800	3.165	ug/l	95
6) Chloroethane	2.846	64	5169	2.800	ug/l	92
7) Trichlorofluoromethane	3.181	101	4793	2.371	ug/l	97
8) Diethyl Ether	3.593	74	1268	2.499	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.963	101	3045	2.852	ug/l #	59
10) Methyl Iodide	4.158	142	2936	2.302	ug/l #	91
11) Tert butyl alcohol	5.075	59	312	6.762	ug/l #	86
12) 1,1-Dichloroethene	3.952	96	2764	2.645	ug/l #	56
13) Acrolein	3.811	56	1171	12.149	ug/l	89
14) Allyl chloride	4.563	41	2491	2.443	ug/l	92
15) Acrylonitrile	5.263	53	2285	12.209	ug/l #	68
16) Acetone	4.016	43	2054	13.305	ug/l #	84
17) Carbon Disulfide	4.281	76	8306	2.471	ug/l #	95
18) Methyl Acetate	4.563	43	1035	2.912	ug/l #	50
19) Methyl tert-butyl Ether	5.322	73	4783	2.349	ug/l	97
20) Methylene Chloride	4.799	84	8456	5.302	ug/l #	87
21) trans-1,2-Dichloroethene	5.310	96	2985	2.563	ug/l #	84
22) Diisopropyl ether	6.228	45	4810	2.086	ug/l #	81
23) Vinyl Acetate	6.163	43	11271	8.148	ug/l #	87
24) 1,1-Dichloroethane	6.116	63	4864	2.661	ug/l #	78
25) 2-Butanone	7.093	43	2509	12.151	ug/l #	80
26) 2,2-Dichloropropane	7.075	77	4576	2.848	ug/l	94
27) cis-1,2-Dichloroethene	7.075	96	3046	2.227	ug/l	85
28) Bromochloromethane	7.428	49	2028	3.326	ug/l #	100
29) Tetrahydrofuran	7.446	42	1171	9.805	ug/l #	50
30) Chloroform	7.599	83	5745	2.774	ug/l	91
31) Cyclohexane	7.881	56	4507	3.186	ug/l #	67
32) 1,1,1-Trichloroethane	7.793	97	4673	2.635	ug/l	96
36) 1,1-Dichloropropene	8.010	75	3494	2.301	ug/l	92
37) Ethyl Acetate	7.163	43	608	1.175	ug/l #	64
38) Carbon Tetrachloride	7.993	117	3951	2.224	ug/l #	83
39) Methylcyclohexane	9.275	83	3667	1.988	ug/l #	71
40) Benzene	8.252	78	11958	2.435	ug/l #	86

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	568	2.040	ug/l #	58
42) 1,2-Dichloroethane	8.322	62	3096	2.605	ug/l	77
43) Isopropyl Acetate	8.375	43	1746	1.902	ug/l #	88
44) Trichloroethene	9.040	130	3341	2.565	ug/l	80
45) 1,2-Dichloropropane	9.310	63	2763	2.560	ug/l #	81
46) Dibromomethane	9.393	93	1442	2.030	ug/l #	82
47) Bromodichloromethane	9.587	83	4108	2.402	ug/l #	97
48) Methyl methacrylate	9.387	41	866	1.938	ug/l #	83
49) 1,4-Dioxane	9.393	88	413	66.093	ug/l #	44
51) 4-Methyl-2-Pentanone	10.163	43	5233	10.701	ug/l	89
52) Toluene	10.334	92	7785	2.477	ug/l	88
53) t-1,3-Dichloropropene	10.551	75	3480	2.395	ug/l #	83
54) cis-1,3-Dichloropropene	10.022	75	4255	2.440	ug/l #	86
55) 1,1,2-Trichloroethane	10.728	97	2229	2.429	ug/l #	83
56) Ethyl methacrylate	10.598	69	1658	1.756	ug/l #	94
57) 1,3-Dichloropropane	10.881	76	3177	2.223	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	4489	11.064	ug/l	91
59) 2-Hexanone	10.916	43	3255	9.563	ug/l	96
60) Dibromochloromethane	11.069	129	2810	2.246	ug/l	88
61) 1,2-Dibromoethane	11.181	107	1825	2.181	ug/l	87
64) Tetrachloroethene	10.810	164	2539	2.294	ug/l	88
65) Chlorobenzene	11.610	112	9216	2.540	ug/l #	78
66) 1,1,1,2-Tetrachloroethane	11.681	131	2847	2.270	ug/l	96
67) Ethyl Benzene	11.687	91	12302	2.108	ug/l	97
68) m/p-Xylenes	11.793	106	9402	3.962	ug/l	99
69) o-Xylene	12.122	106	4021	1.859	ug/l	92
70) Styrene	12.134	104	7458	1.945	ug/l	90
71) Bromoform	12.298	173	1437	2.000	ug/l #	86
73) Isopropylbenzene	12.422	105	10204	2.120	ug/l	99
74) N-amyl acetate	12.240	43	1375	1.761	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	2456	2.829	ug/l #	80
76) 1,2,3-Trichloropropane	12.728	75	2758	4.859	ug/l #	100
77) Bromobenzene	12.698	156	3330	2.631	ug/l	94
78) n-propylbenzene	12.763	91	13642	2.345	ug/l	99
79) 2-Chlorotoluene	12.845	91	7477	2.313	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	8569	2.143	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.575	75	34702	121.236	ug/l #	19
82) 4-Chlorotoluene	12.945	91	7914	2.333	ug/l	99
83) tert-Butylbenzene	13.163	119	7475	2.114	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	8591	2.074	ug/l	93
85) sec-Butylbenzene	13.339	105	10782	2.044	ug/l	96
86) p-Isopropyltoluene	13.457	119	8916	1.940	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	6256	2.336	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	6563	2.503	ug/l	88
89) n-Butylbenzene	13.787	91	8498	2.064	ug/l	95
90) Hexachloroethane	14.057	117	2698	2.783	ug/l	89
91) 1,2-Dichlorobenzene	13.834	146	5730	2.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	407	3.522	ug/l #	41
93) 1,2,4-Trichlorobenzene	15.092	180	2782	2.115	ug/l	93
94) Hexachlorobutadiene	15.204	225	1456	2.118	ug/l	83
95) Naphthalene	15.333	128	5000	2.231	ug/l	96
96) 1,2,3-Trichlorobenzene	15.516	180	3104	2.652	ug/l	94

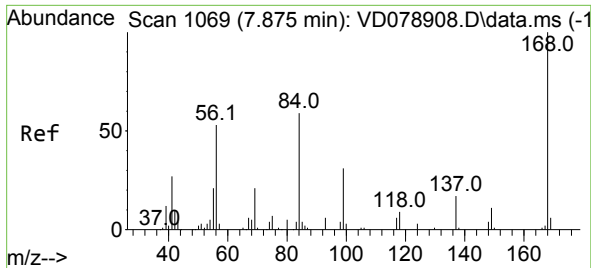
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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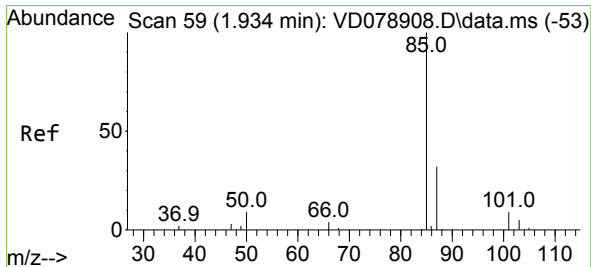
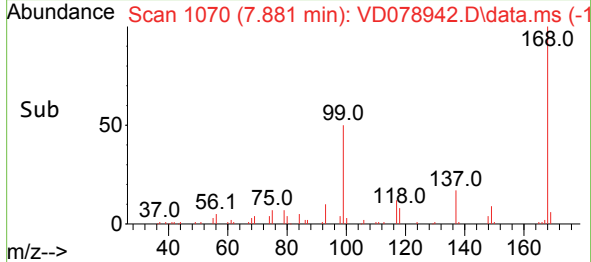
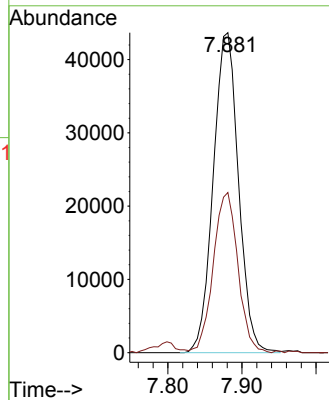
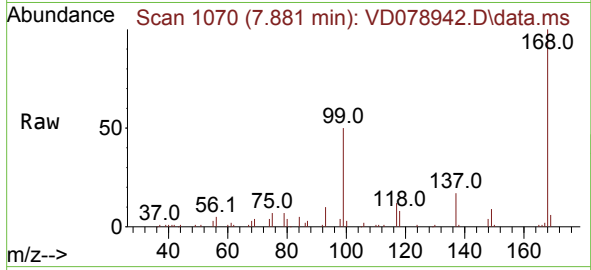
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

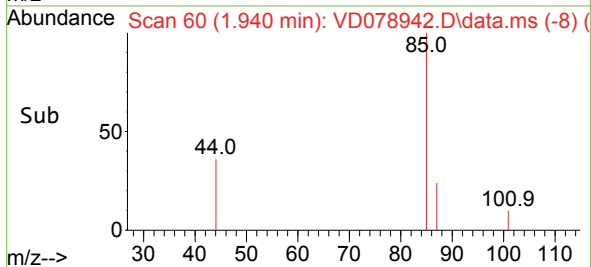
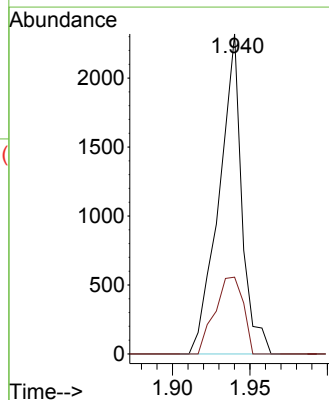
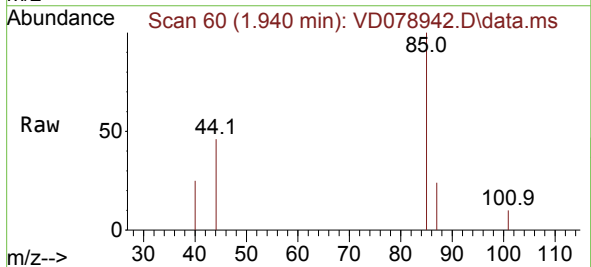
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MDL-SOIL-03-QT2-2024

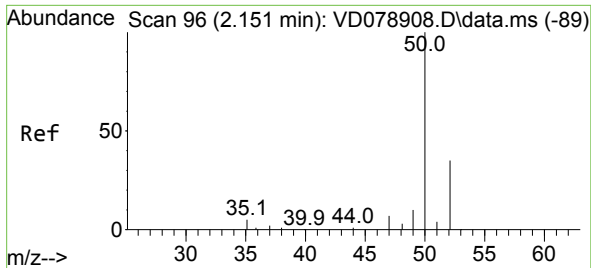
Tgt Ion:168 Resp: 103224
Ion Ratio Lower Upper
168 100
99 49.6 41.1 61.7



#2
Dichlorodifluoromethane
Concen: 2.469 ug/l
RT: 1.940 min Scan# 60
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 85 Resp: 2381
Ion Ratio Lower Upper
85 100
87 24.0 16.0 48.0





#3

Chloromethane

Concen: 2.727 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.001 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

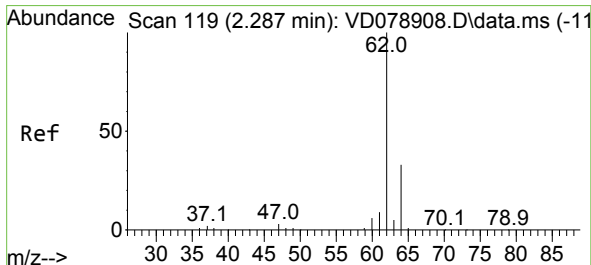
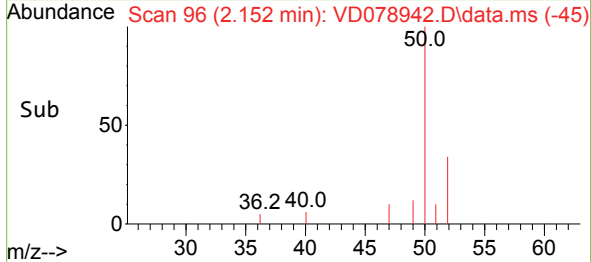
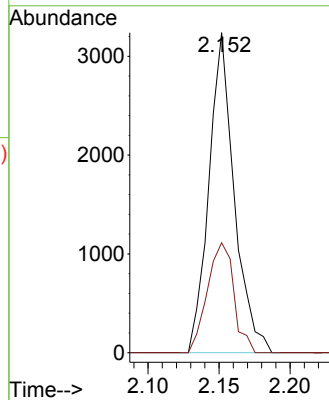
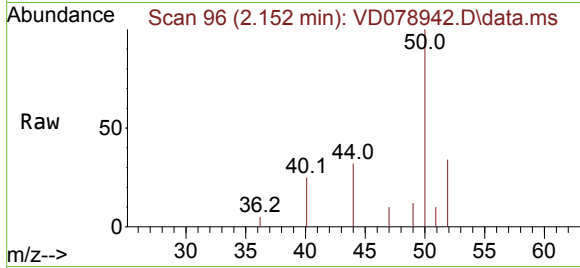
MDL-SOIL-03-QT2-2024

Tgt Ion: 50 Resp: 4010

Ion Ratio Lower Upper

50 100

52 34.4 28.2 42.2



#4

Vinyl Chloride

Concen: 2.898 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078942.D

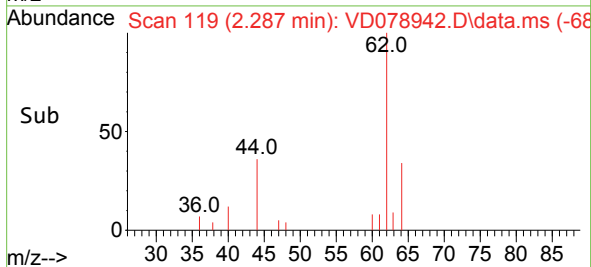
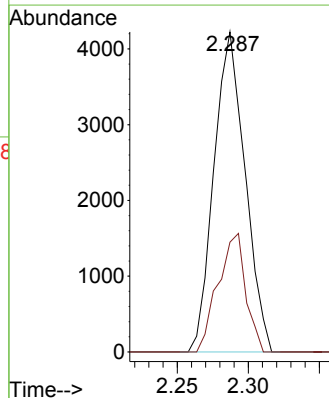
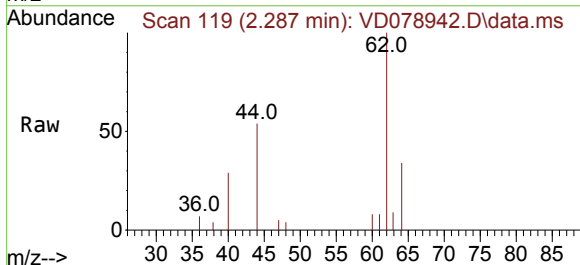
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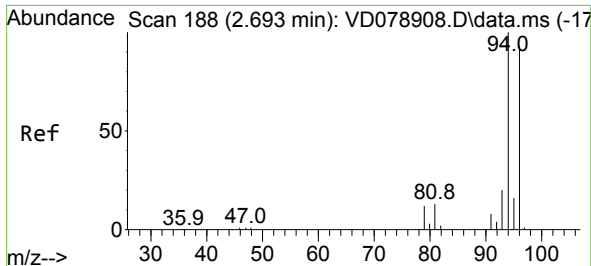
Tgt Ion: 62 Resp: 6444

Ion Ratio Lower Upper

62 100

64 34.3 26.3 39.5

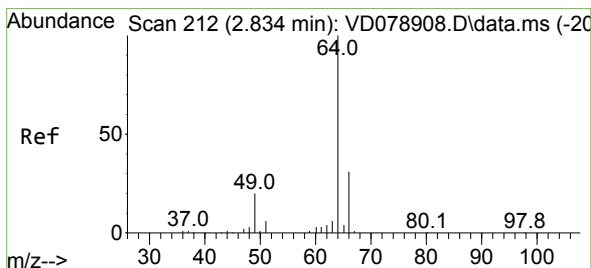
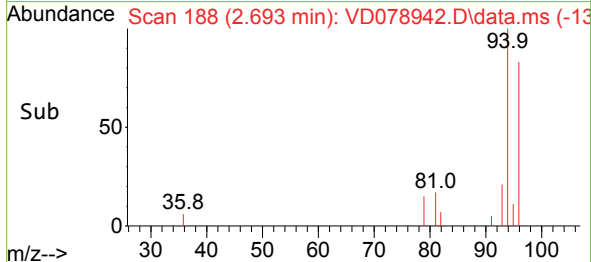
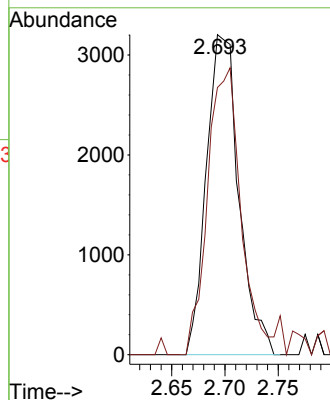
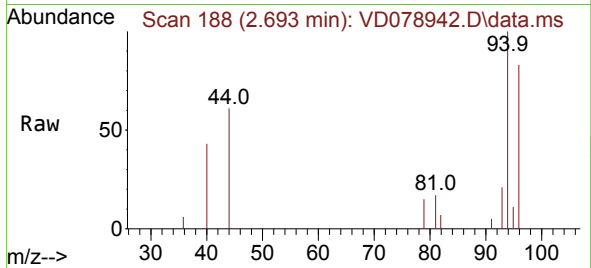




#5
Bromomethane
Concen: 3.165 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

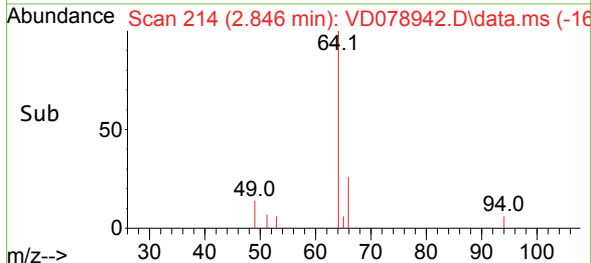
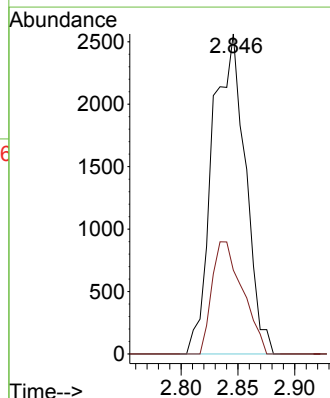
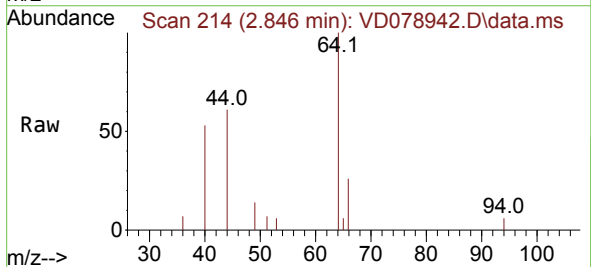
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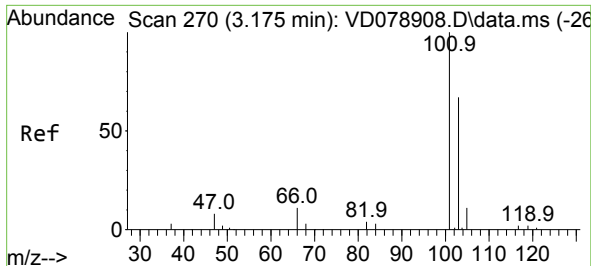
Tgt Ion: 94 Resp: 6800
Ion Ratio Lower Upper
94 100
96 91.1 76.9 115.3



#6
Chloroethane
Concen: 2.800 ug/l
RT: 2.846 min Scan# 214
Delta R.T. 0.012 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 64 Resp: 5169
Ion Ratio Lower Upper
64 100
66 26.2 24.5 36.7

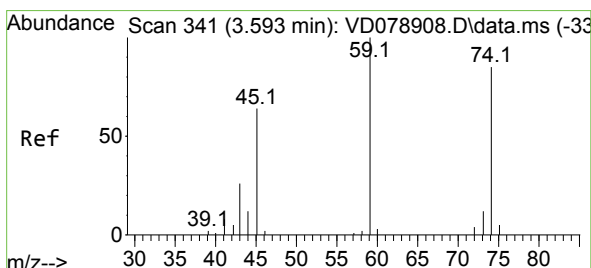
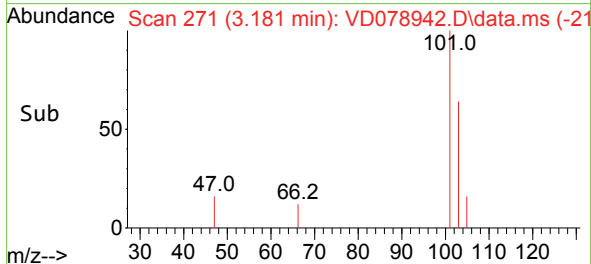
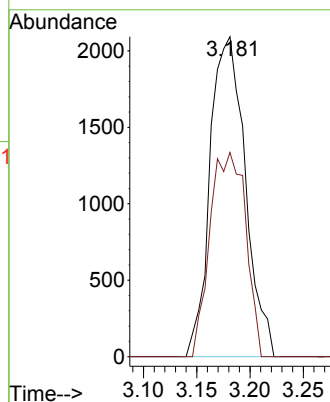
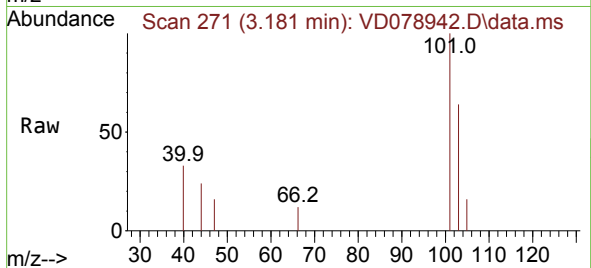




#7
Trichlorofluoromethane
Concen: 2.371 ug/l
RT: 3.181 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

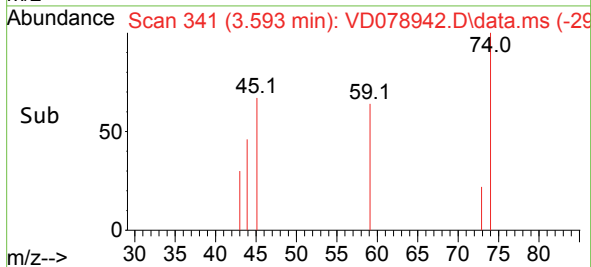
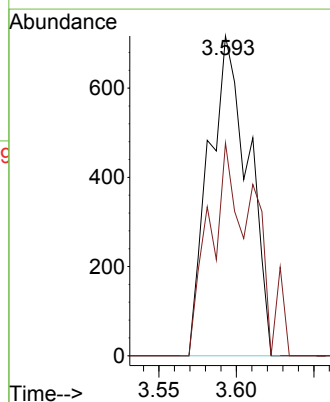
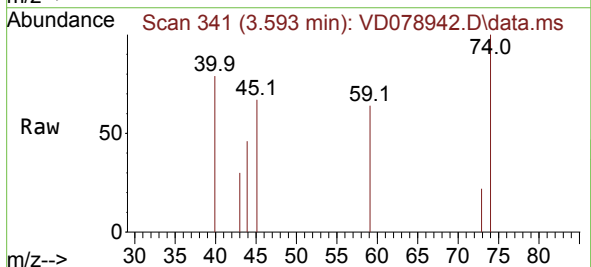
Instrument :
MSVOA_D
ClientSampleId :
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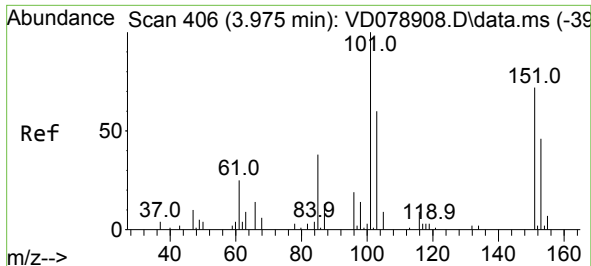
Tgt Ion:101 Resp: 4793
Ion Ratio Lower Upper
101 100
103 63.8 53.2 79.8



#8
Diethyl Ether
Concen: 2.499 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 74 Resp: 1268
Ion Ratio Lower Upper
74 100
45 75.4 37.9 113.6

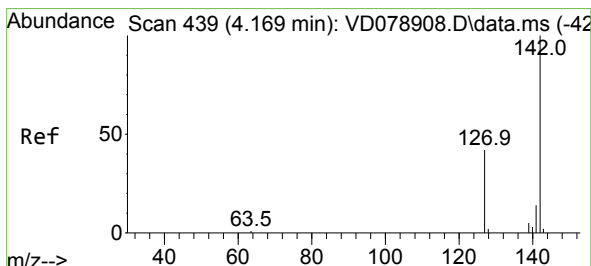
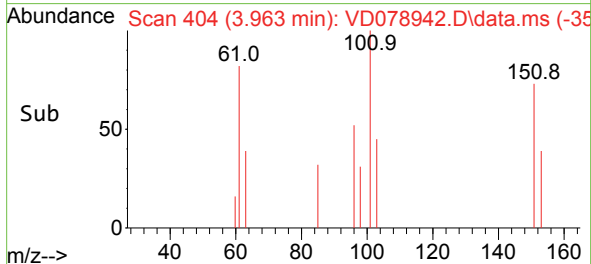
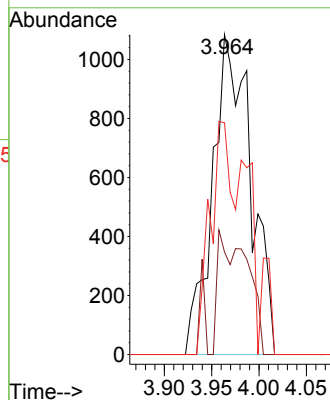
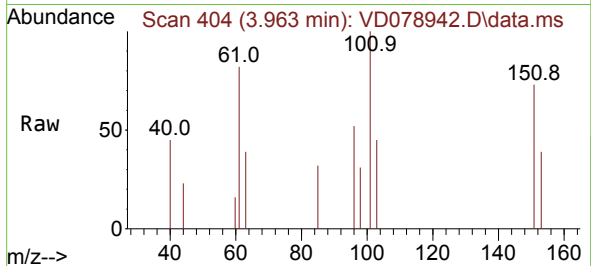




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.852 ug/l
RT: 3.963 min Scan# 406
Delta R.T. -0.011 min
Lab File: VD078942.D
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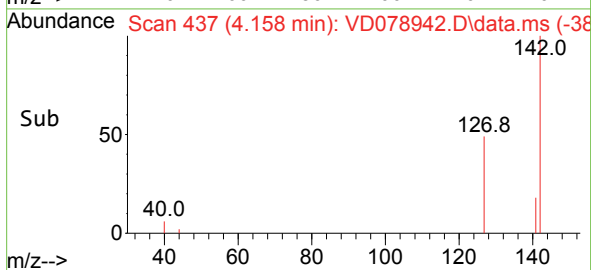
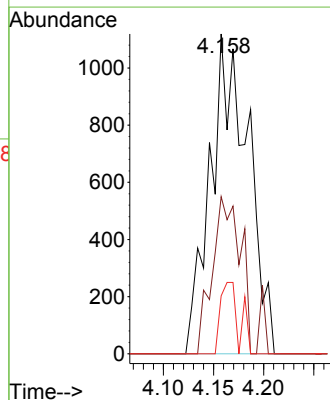
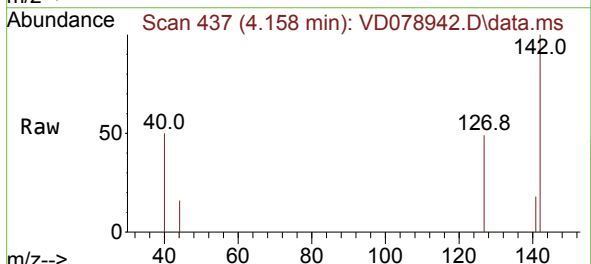
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

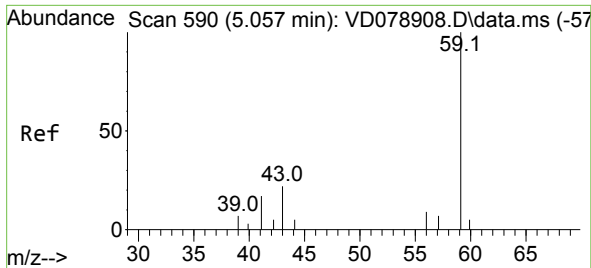
Tgt Ion:101 Resp: 3045
Ion Ratio Lower Upper
101 100
85 12.4 33.5 50.3#
151 43.4 60.3 90.5#



#10
Methyl Iodide
Concen: 2.302 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.011 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:142 Resp: 2936
Ion Ratio Lower Upper
142 100
127 36.7 34.2 51.4
141 10.9 11.7 17.5#





#11

Tert butyl alcohol

Concen: 6.762 ug/l

RT: 5.075 min Scan# 59

Delta R.T. 0.018 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

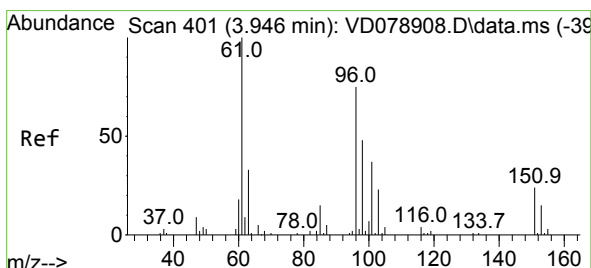
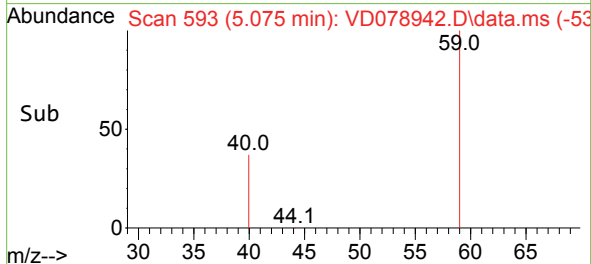
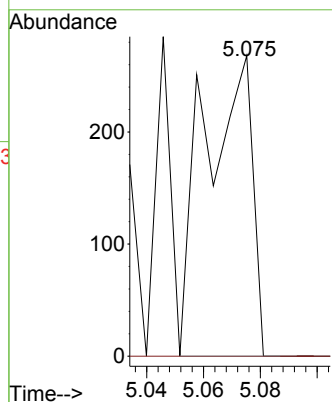
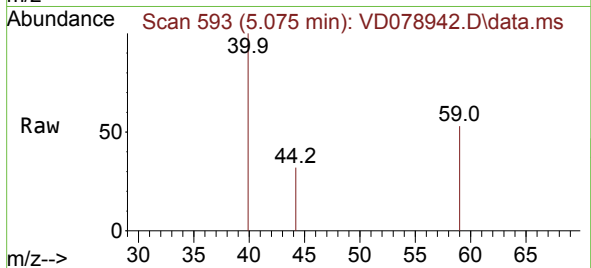
MDL-SOIL-03-QT2-2024

Tgt Ion: 59 Resp: 312

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#12

1,1-Dichloroethene

Concen: 2.645 ug/l

RT: 3.952 min Scan# 402

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

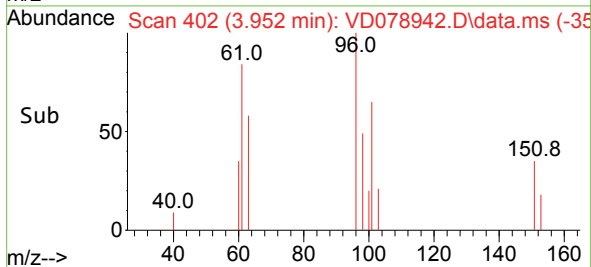
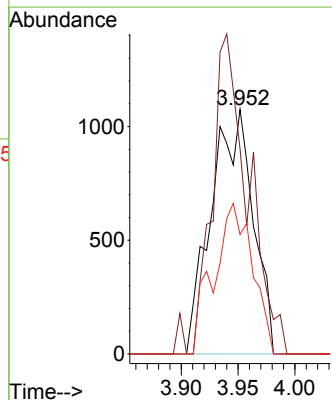
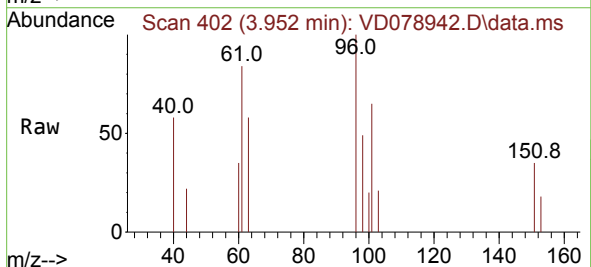
Tgt Ion: 96 Resp: 2764

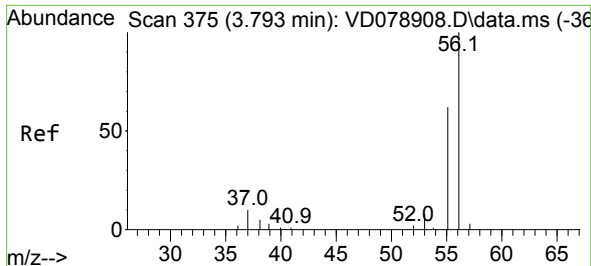
Ion Ratio Lower Upper

96 100

61 67.9 107.3 160.9#

98 48.9 51.7 77.5#





#13

Acrolein

Concen: 12.149 ug/l

RT: 3.811 min Scan# 31

Delta R.T. 0.018 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

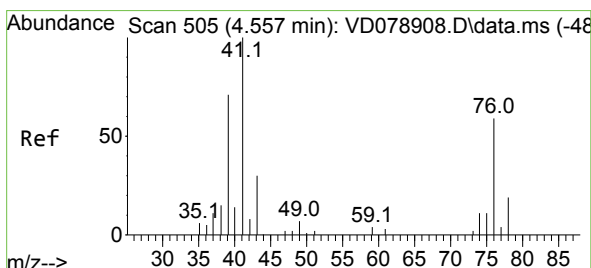
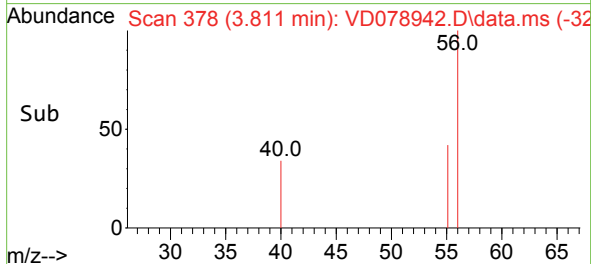
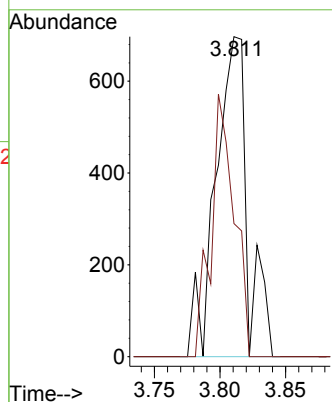
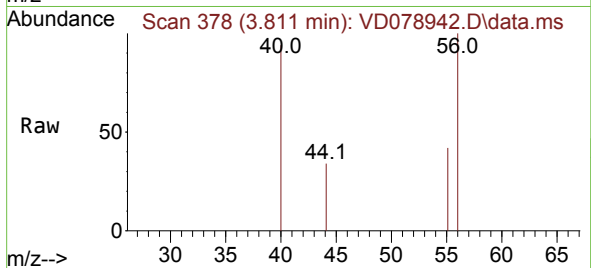
MDL-SOIL-03-QT2-2024

Tgt Ion: 56 Resp: 1171

Ion Ratio Lower Upper

56 100

55 60.1 55.3 82.9



#14

Allyl chloride

Concen: 2.443 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

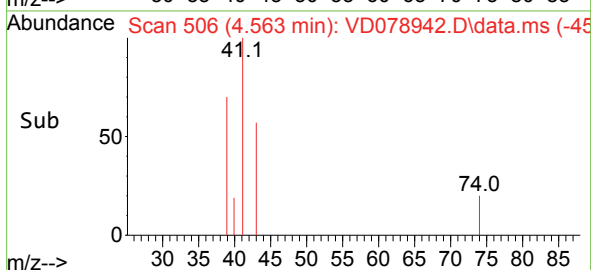
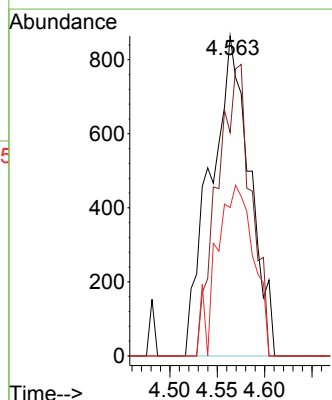
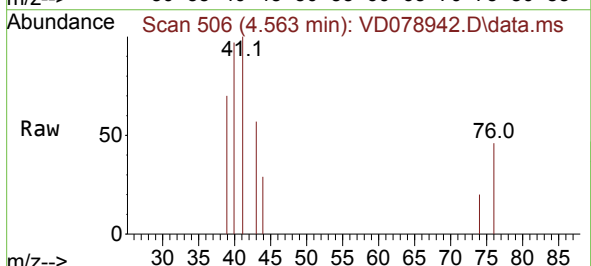
Tgt Ion: 41 Resp: 2491

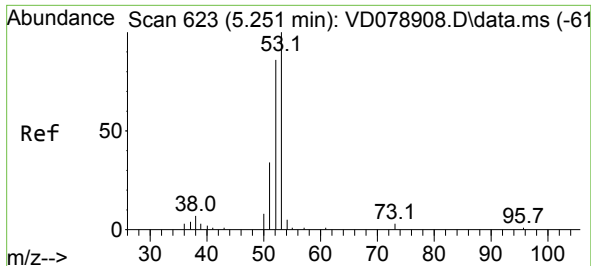
Ion Ratio Lower Upper

41 100

39 78.4 58.0 87.0

76 50.5 45.9 68.9





#15

Acrylonitrile

Concen: 12.209 ug/l

RT: 5.263 min Scan# 61

Delta R.T. 0.012 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

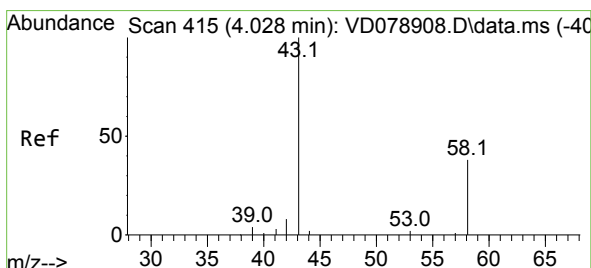
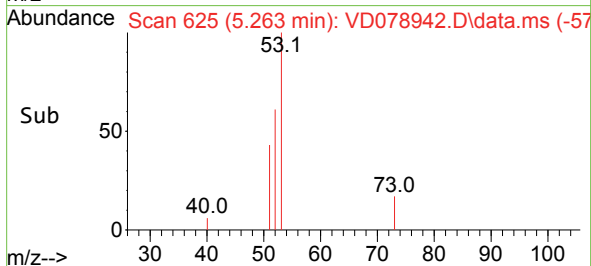
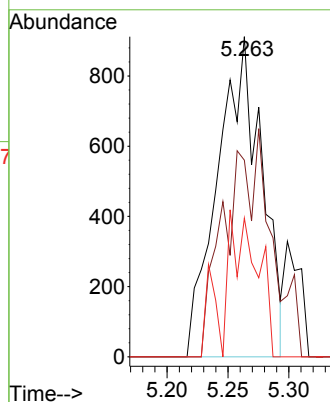
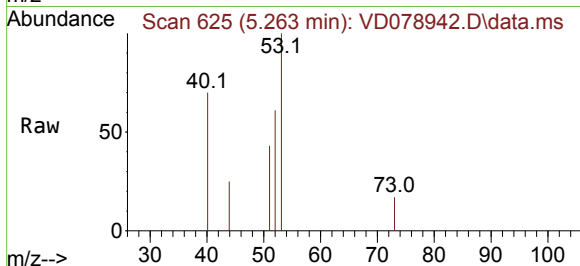
Tgt Ion: 53 Resp: 2285

Ion Ratio Lower Upper

53 100

52 43.6 67.7 101.5#

51 35.1 28.6 42.8



#16

Acetone

Concen: 13.305 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.011 min

Lab File: VD078942.D

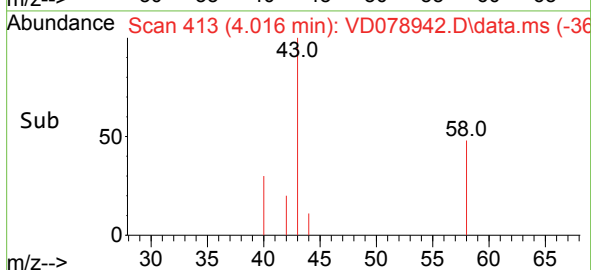
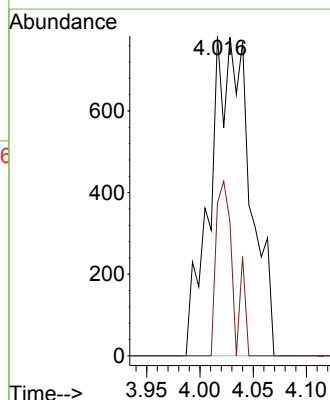
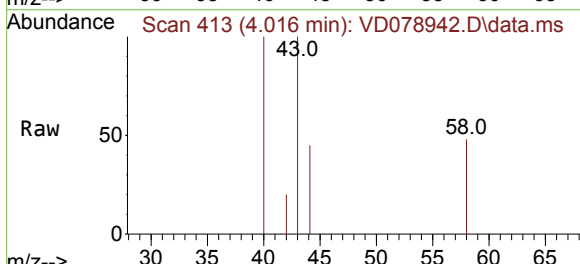
Acq: 16 May 2024 12:18

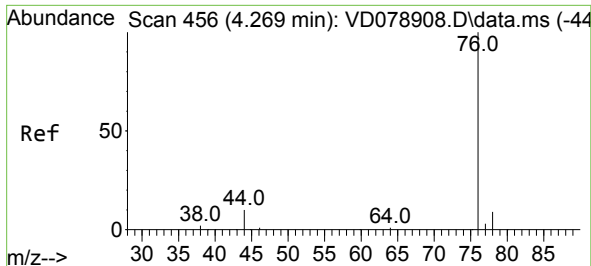
Tgt Ion: 43 Resp: 2054

Ion Ratio Lower Upper

43 100

58 47.8 30.4 45.6#

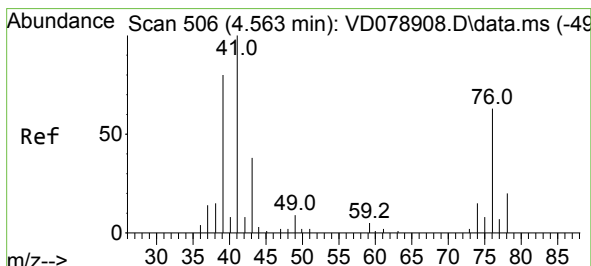
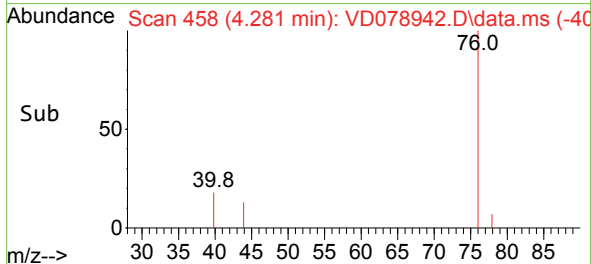
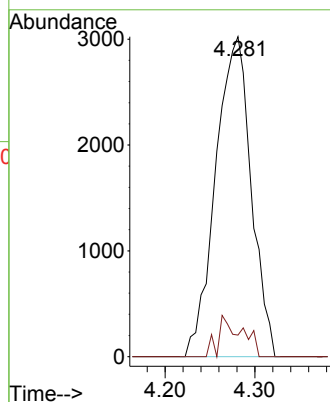
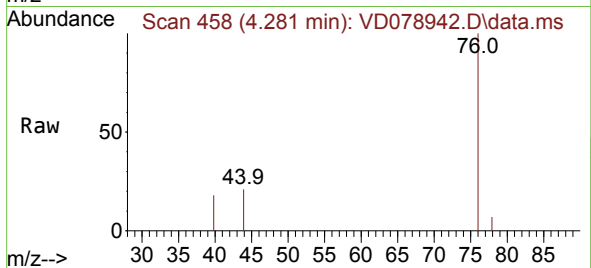




#17
Carbon Disulfide
Concen: 2.471 ug/l
RT: 4.281 min Scan# 458
Delta R.T. 0.012 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

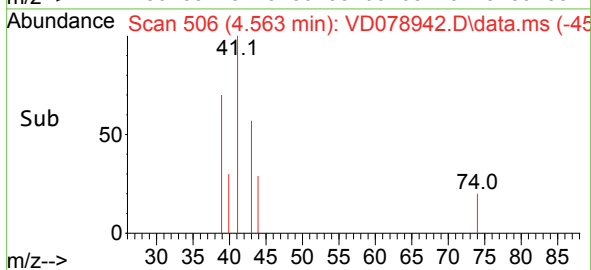
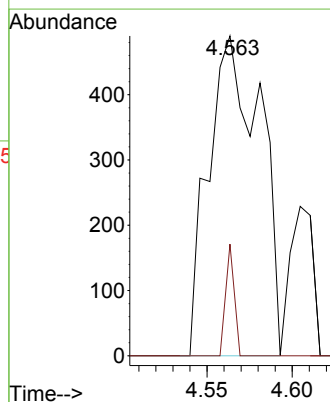
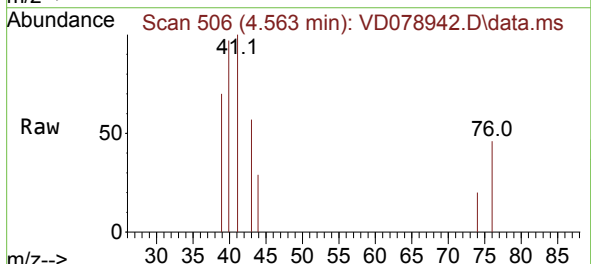
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

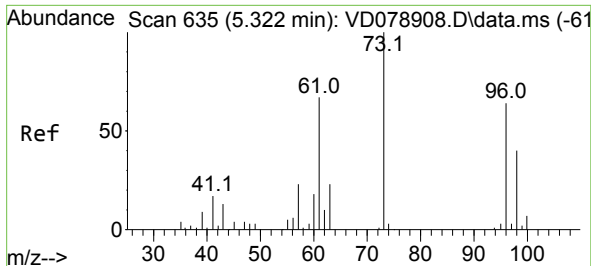
Tgt Ion: 76 Resp: 8306
Ion Ratio Lower Upper
76 100
78 6.7 6.9 10.3#



#18
Methyl Acetate
Concen: 2.912 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
74 5.8 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 2.349 ug/l

RT: 5.322 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

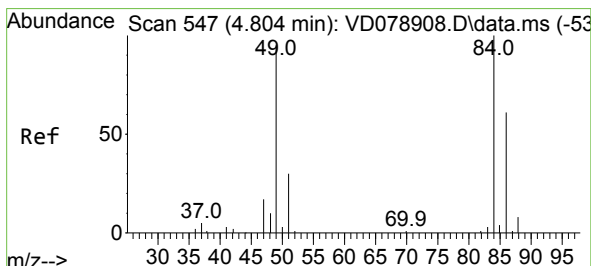
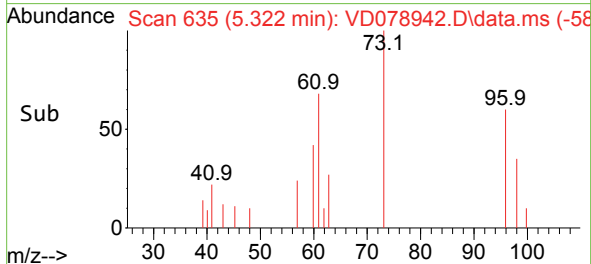
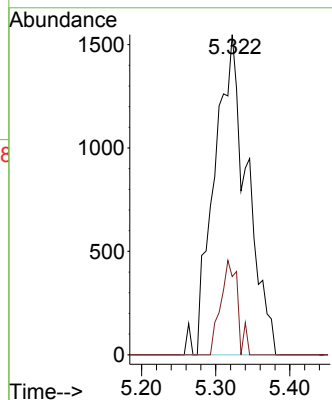
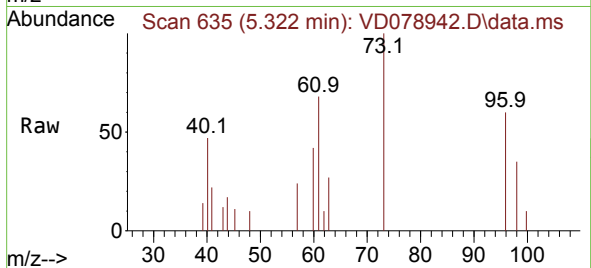
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 4783

Ion Ratio Lower Upper

73 100

57 24.4 18.3 27.5



#20

Methylene Chloride

Concen: 5.302 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.005 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Tgt Ion: 84 Resp: 8456

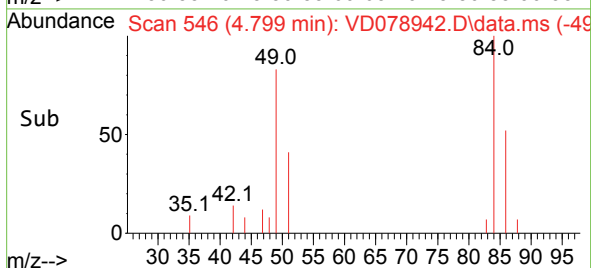
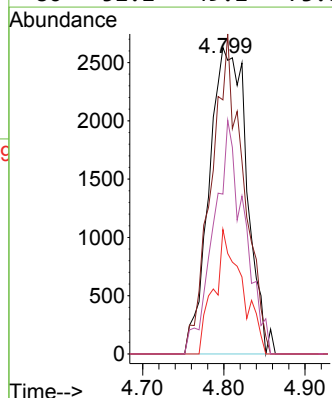
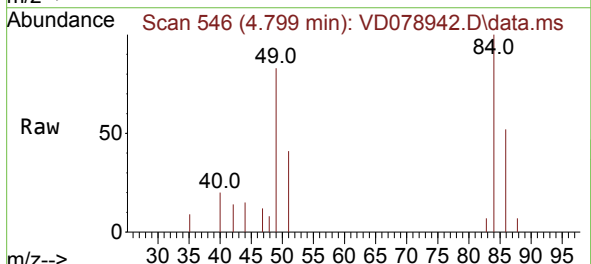
Ion Ratio Lower Upper

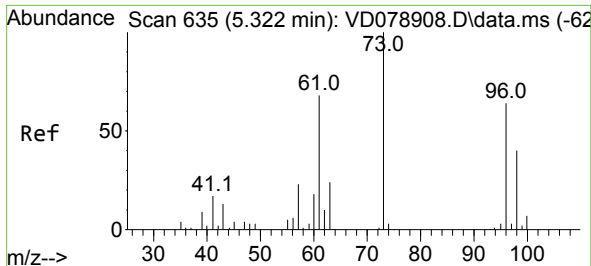
84 100

49 83.0 75.6 113.4

51 40.6 24.2 36.2#

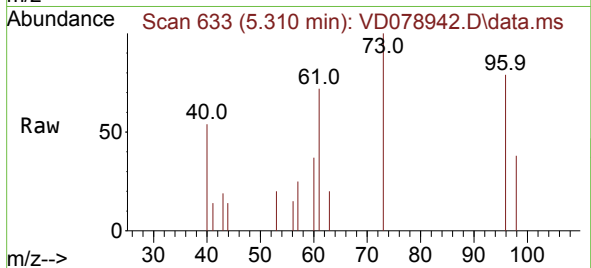
86 52.2 49.2 73.8



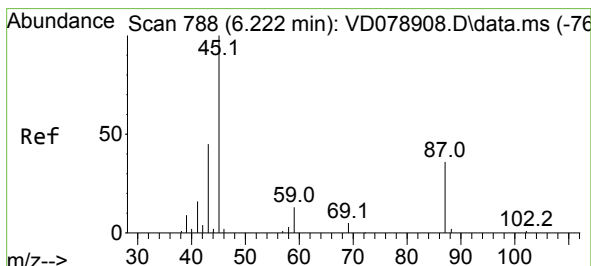
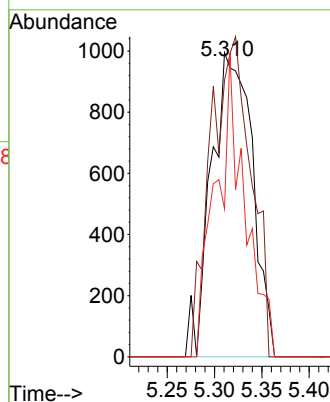
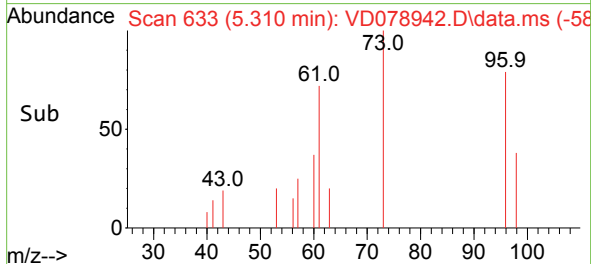


#21
trans-1,2-Dichloroethene
Concen: 2.563 ug/l
RT: 5.310 min Scan# 611
Delta R.T. -0.011 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

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

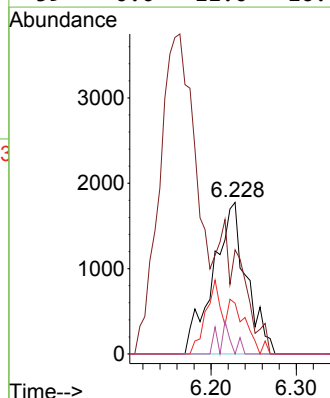
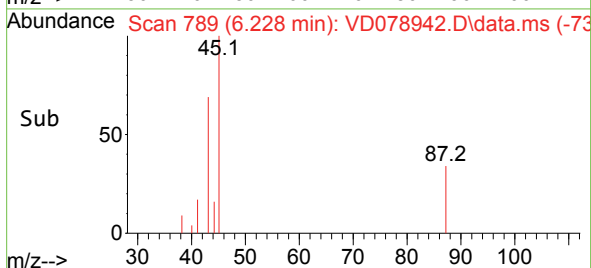
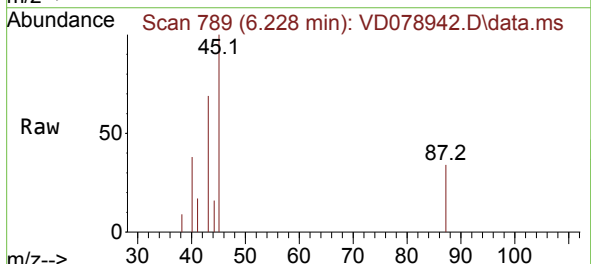


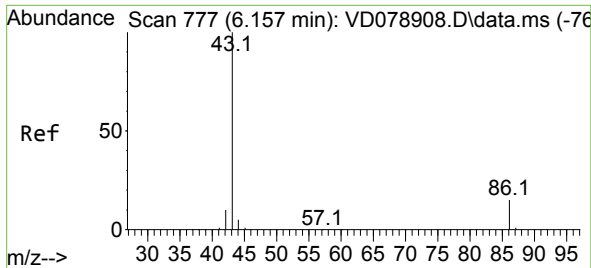
Tgt Ion: 96 Resp: 2985
Ion Ratio Lower Upper
96 100
61 90.9 84.5 126.7
98 48.6 50.5 75.7#



#22
Diisopropyl ether
Concen: 2.086 ug/l
RT: 6.228 min Scan# 789
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 45 Resp: 4810
Ion Ratio Lower Upper
45 100
43 68.8 41.7 62.5#
87 33.5 30.2 45.2
59 0.0 11.0 16.6#

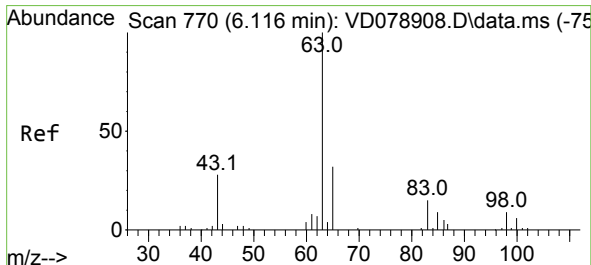
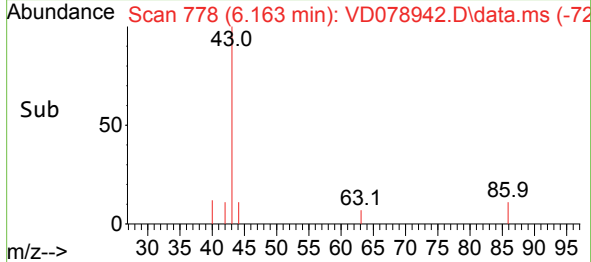
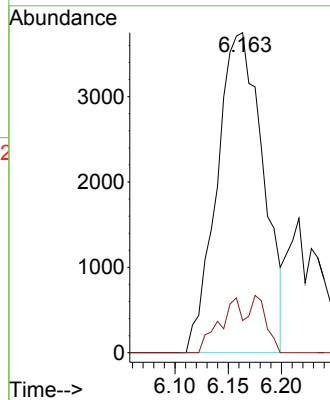
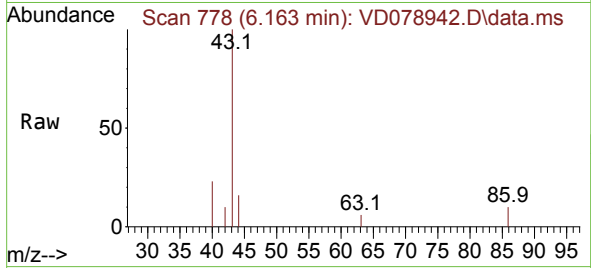




#23
 Vinyl Acetate
 Concen: 8.148 ug/l
 RT: 6.163 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078942.D
 Acq: 16 May 2024 12:18

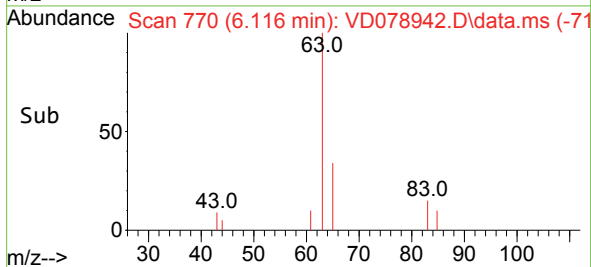
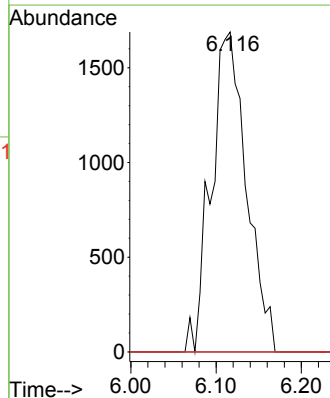
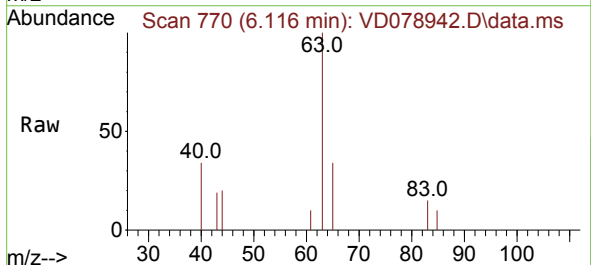
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

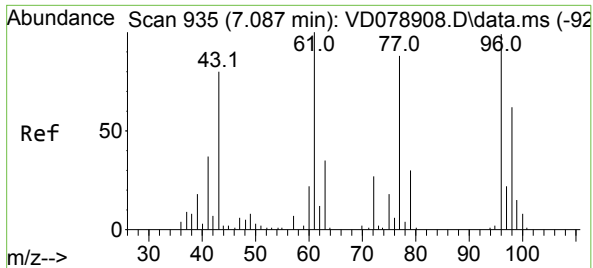
Tgt Ion: 43 Resp: 11271
 Ion Ratio Lower Upper
 43 100
 86 10.1 12.3 18.5#



#24
 1,1-Dichloroethane
 Concen: 2.661 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: VD078942.D
 Acq: 16 May 2024 12:18

Tgt Ion: 63 Resp: 4864
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.7 14.0#
 100 0.0 2.9 8.6#

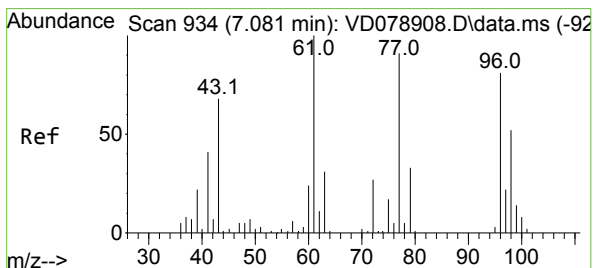
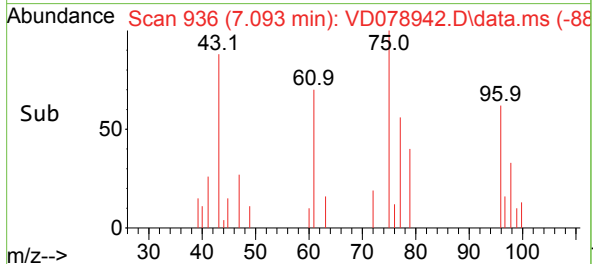
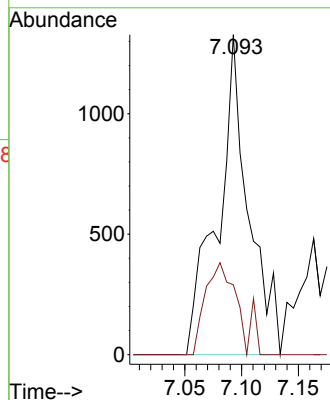
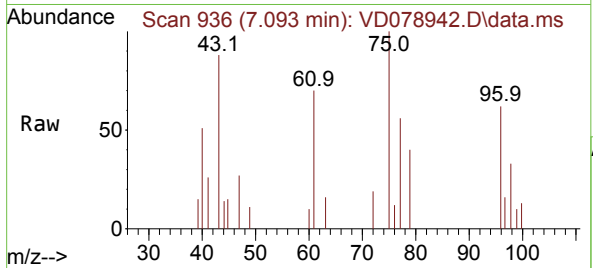




#25
2-Butanone
Concen: 12.151 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

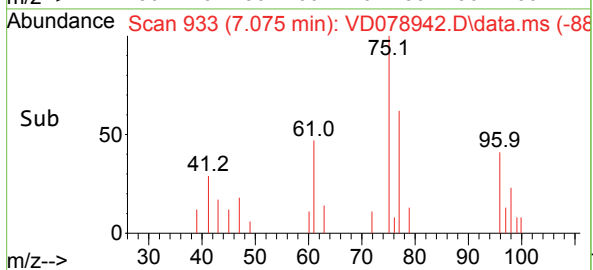
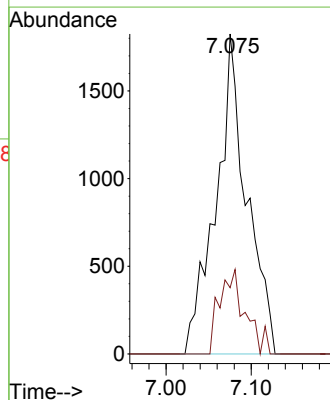
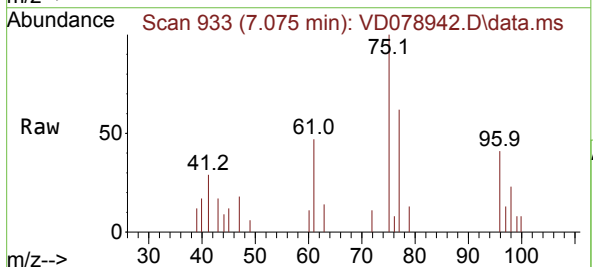
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

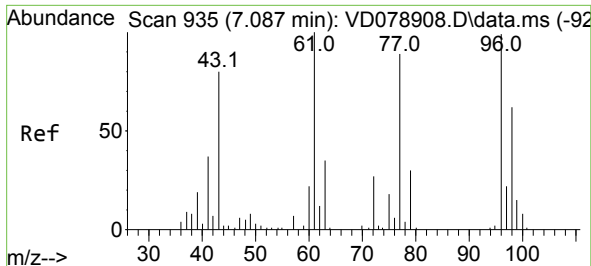
Tgt Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
72 21.8 26.4 39.6#



#26
2,2-Dichloropropane
Concen: 2.848 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 77 Resp: 4576
Ion Ratio Lower Upper
77 100
97 22.0 12.4 37.2

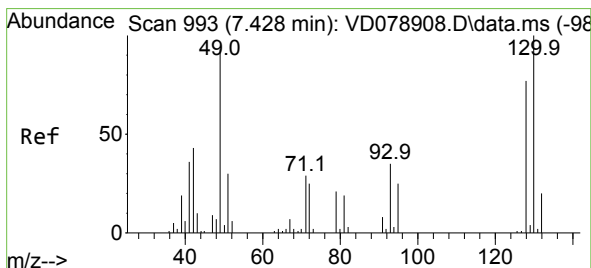
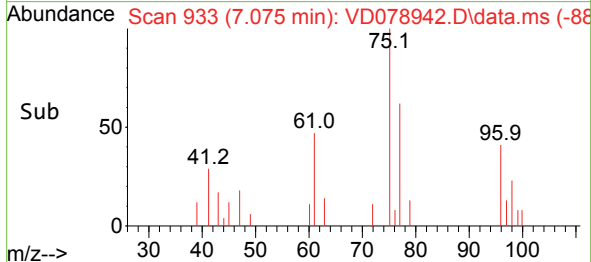
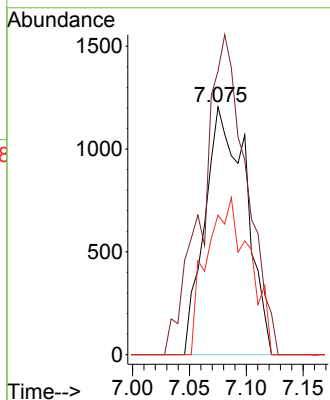
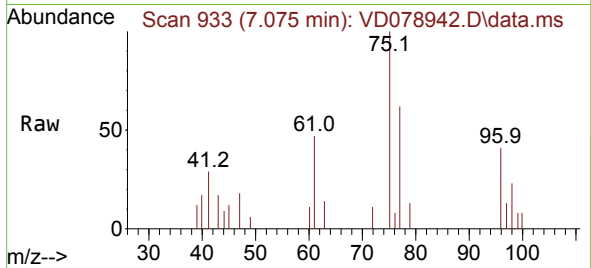




#27
cis-1,2-Dichloroethene
Concen: 2.227 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.011 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

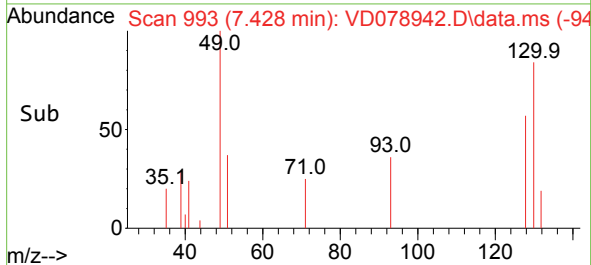
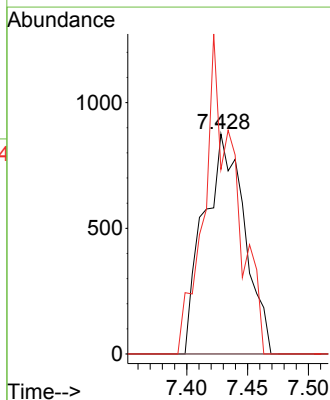
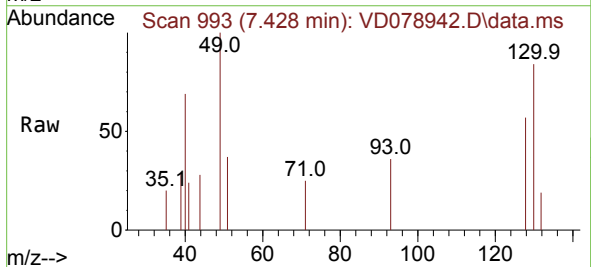
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

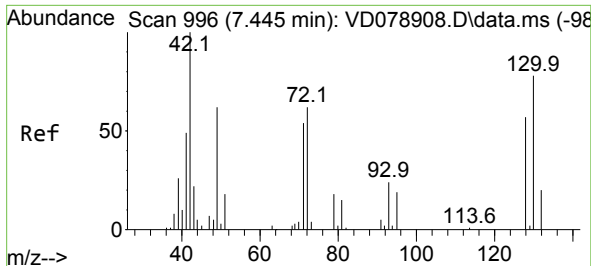
Tgt Ion: 96 Resp: 3046
Ion Ratio Lower Upper
96 100
61 137.8 0.0 229.0
98 65.4 0.0 127.2



#28
Bromochloromethane
Concen: 3.326 ug/l
RT: 7.428 min Scan# 993
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 49 Resp: 2028
Ion Ratio Lower Upper
49 100
129 0.0 0.0 7.0
130 109.6 87.7 131.5





#29

Tetrahydrofuran

Concen: 9.805 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

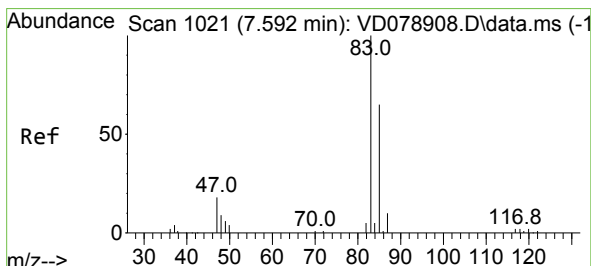
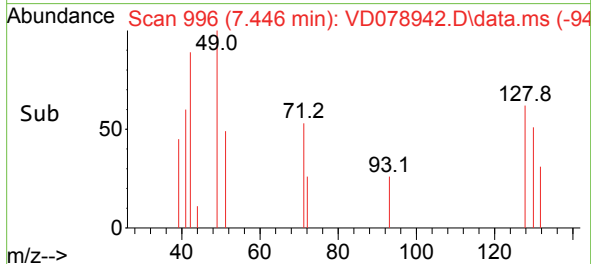
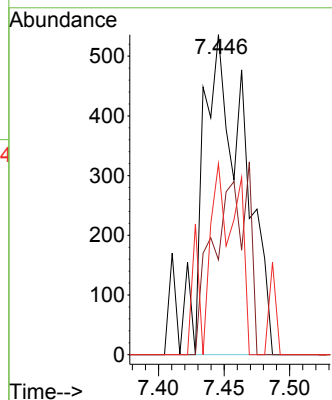
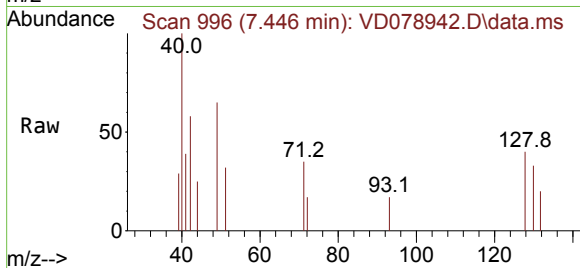
Tgt Ion: 42 Resp: 1171

Ion Ratio Lower Upper

42 100

72 0.0 49.4 74.0#

71 44.1 45.0 67.6#



#30

Chloroform

Concen: 2.774 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD078942.D

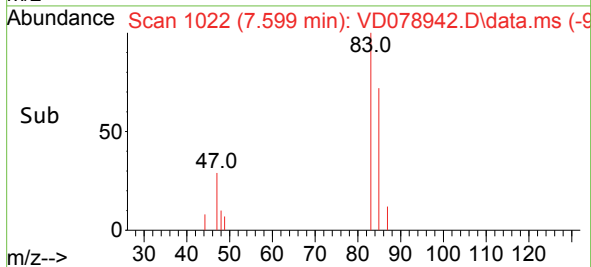
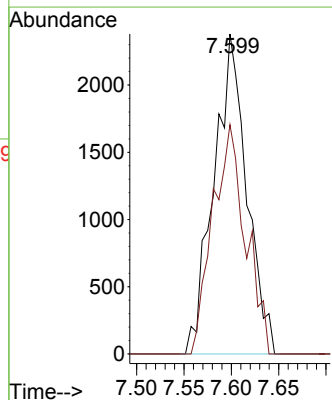
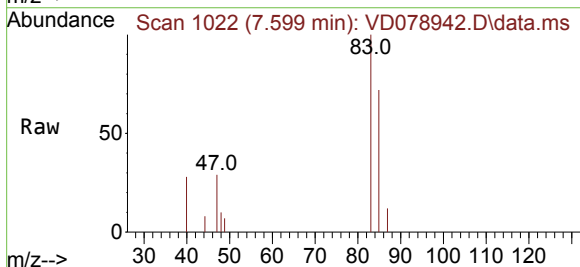
Acq: 16 May 2024 12:18

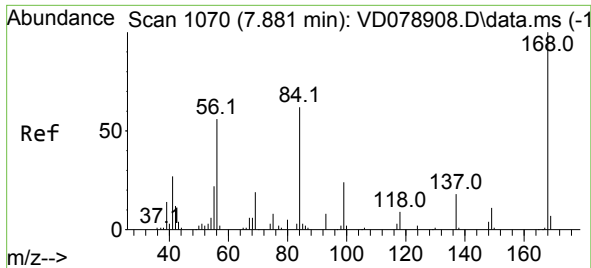
Tgt Ion: 83 Resp: 5745

Ion Ratio Lower Upper

83 100

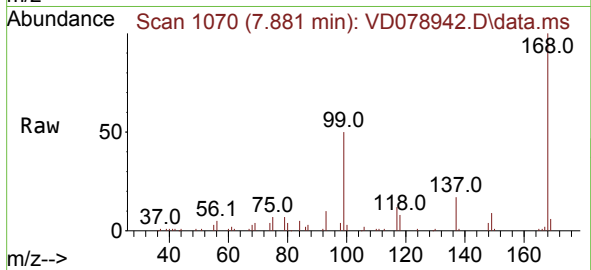
85 71.7 51.8 77.6



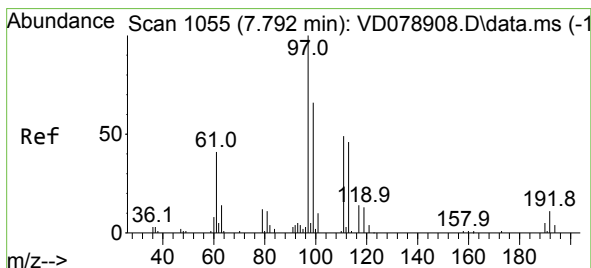
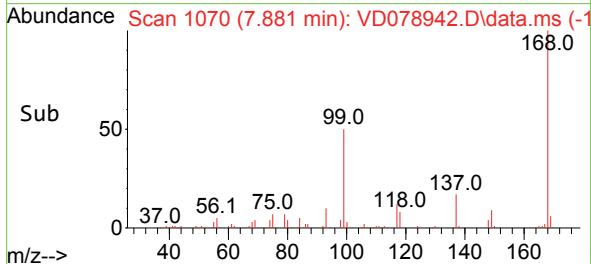
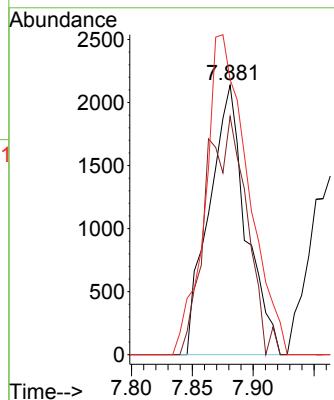


#31
Cyclohexane
Concen: 3.186 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

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

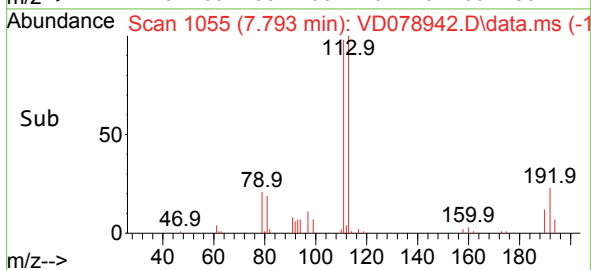
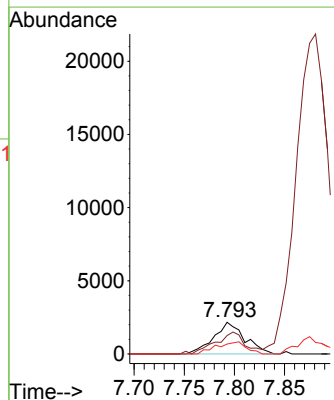
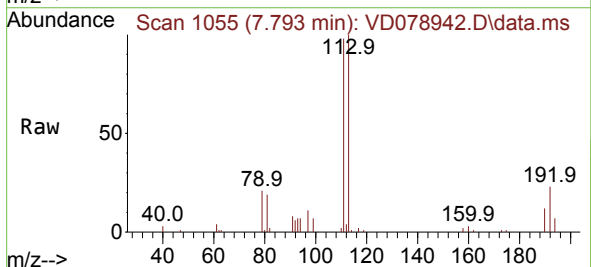


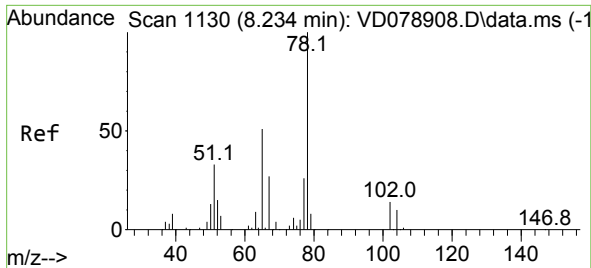
Tgt Ion: 56 Resp: 4507
Ion Ratio Lower Upper
56 100
69 88.4 28.0 42.0#
84 94.1 87.4 131.0



#32
1,1,1-Trichloroethane
Concen: 2.635 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 97 Resp: 4673
Ion Ratio Lower Upper
97 100
99 66.6 51.3 76.9
61 36.6 31.4 47.2

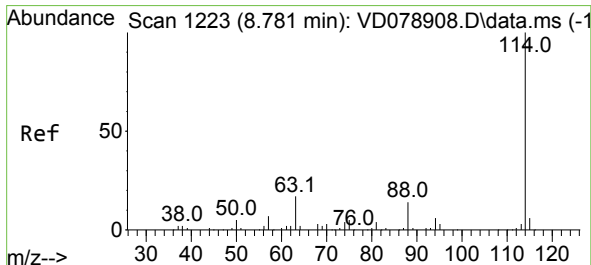
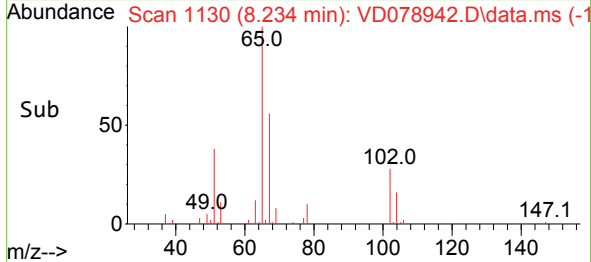
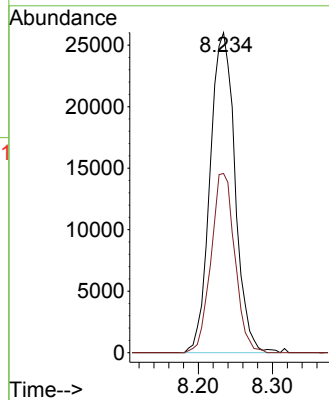
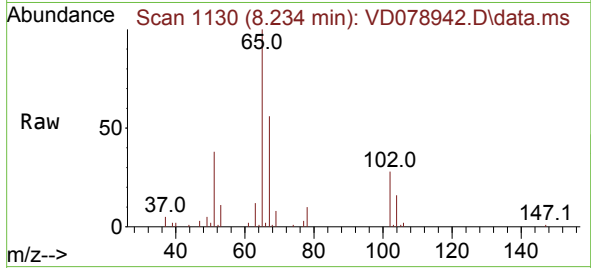




#33
1,2-Dichloroethane-d4
Concen: 62.859 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

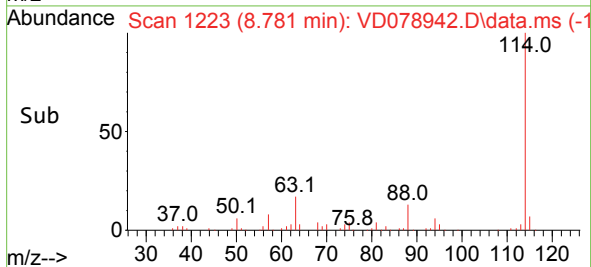
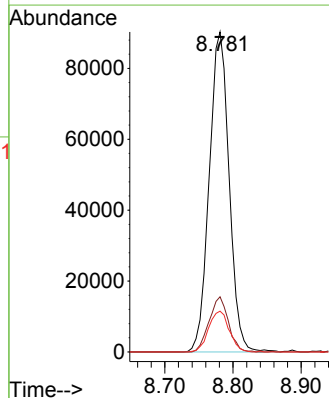
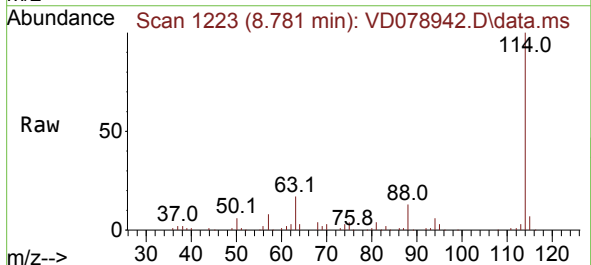
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

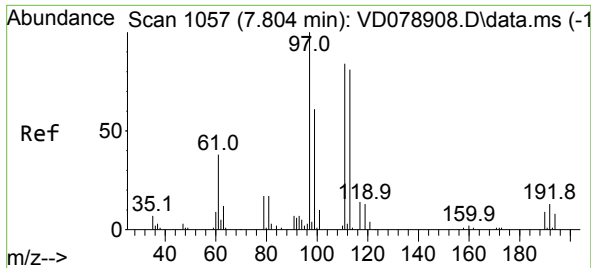
Tgt Ion: 65 Resp: 60863
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

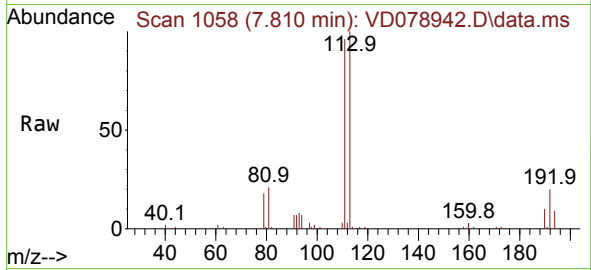
Tgt Ion:114 Resp: 183284
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.0
88 12.7 0.0 27.2



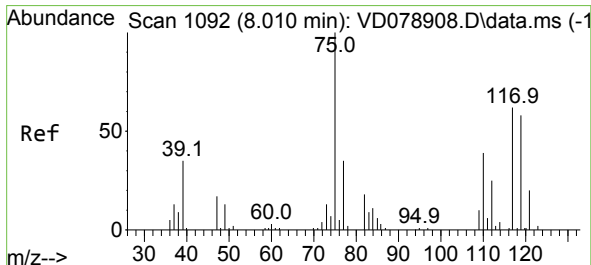
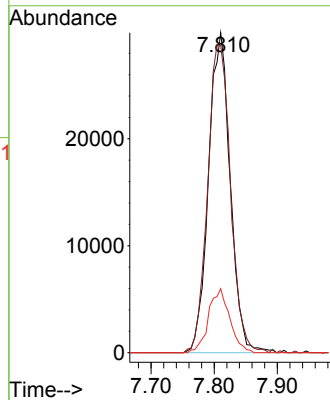
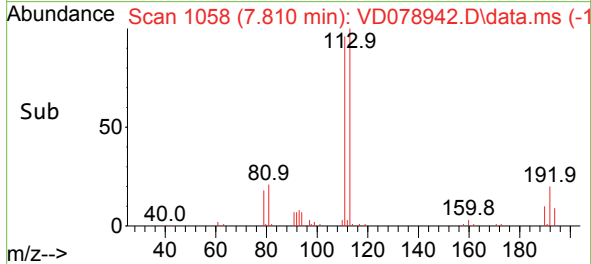


#35
Dibromofluoromethane
Concen: 58.595 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

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

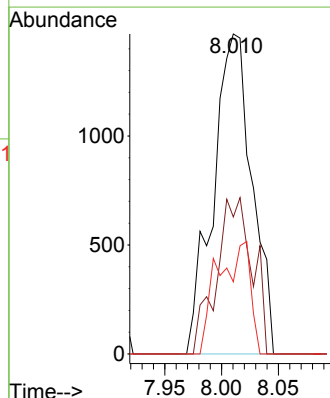
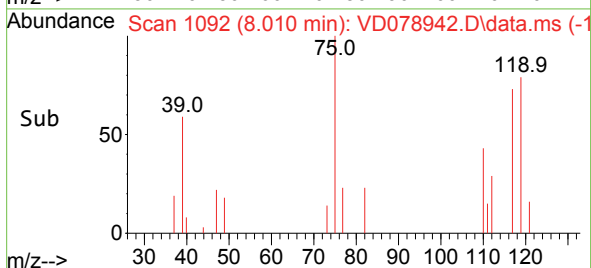
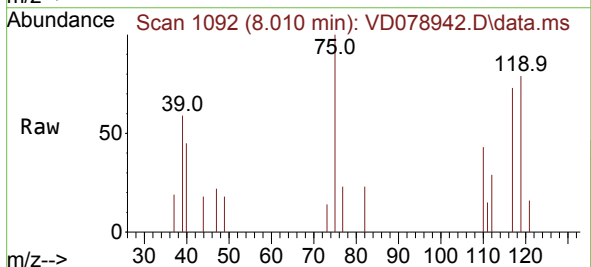


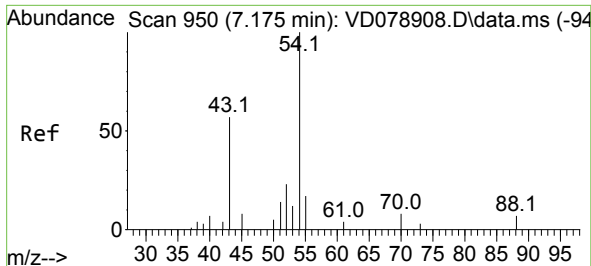
Tgt Ion:113 Resp: 71490
Ion Ratio Lower Upper
113 100
111 101.6 84.0 126.0
192 19.5 15.4 23.0



#36
1,1-Dichloropropene
Concen: 2.301 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 75 Resp: 3494
Ion Ratio Lower Upper
75 100
110 45.2 19.6 58.7
77 29.3 26.1 39.1





#37

Ethyl Acetate

Concen: 1.175 ug/l

RT: 7.163 min Scan# 94

Delta R.T. -0.011 min

Lab File: VD078942.D

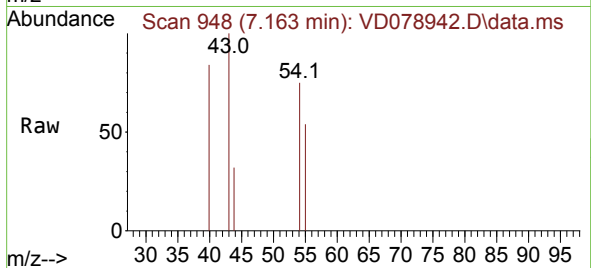
Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024



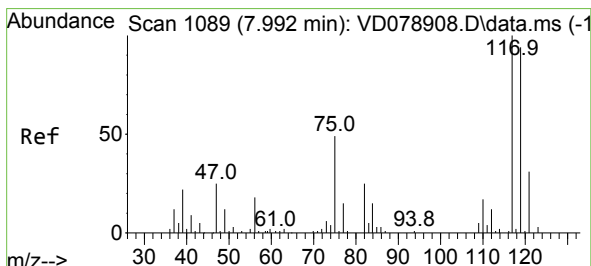
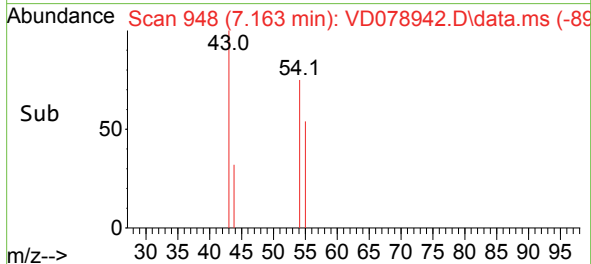
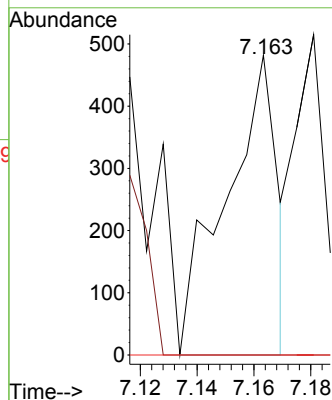
Tgt Ion: 43 Resp: 608

Ion Ratio Lower Upper

43 100

61 0.0 13.9 20.9#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 2.224 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

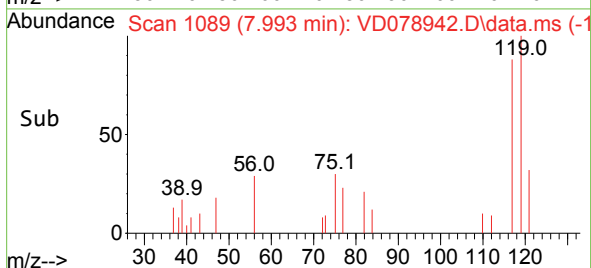
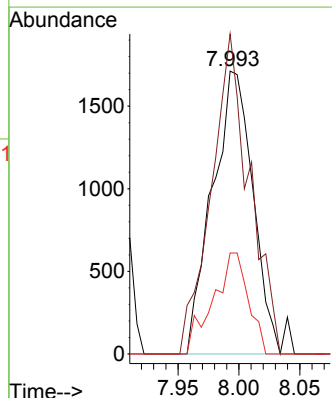
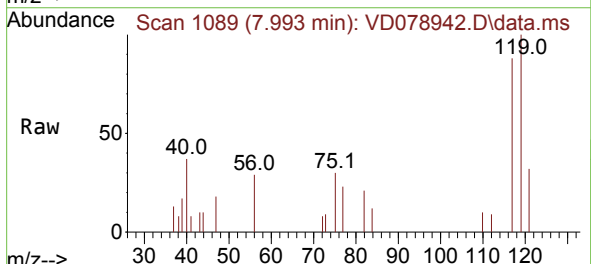
Tgt Ion: 117 Resp: 3951

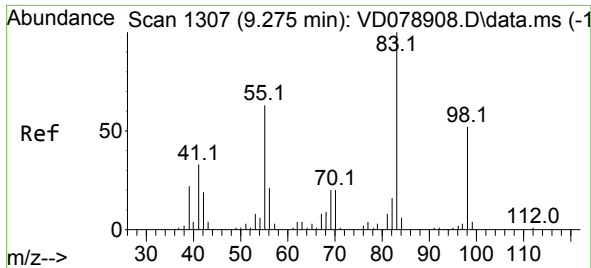
Ion Ratio Lower Upper

117 100

119 113.1 75.4 113.0#

121 35.7 25.0 37.4

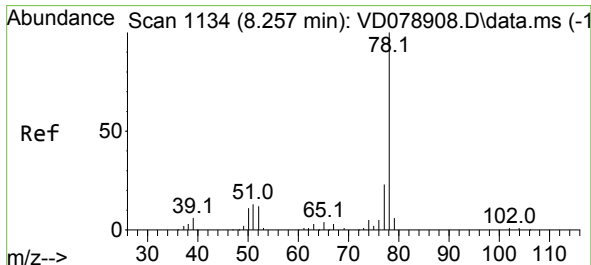
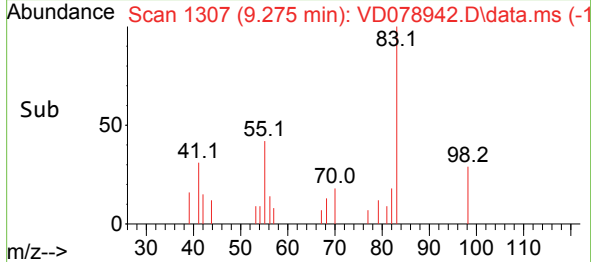
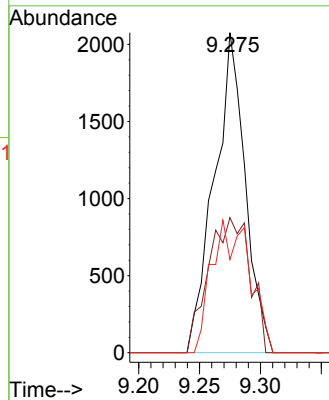
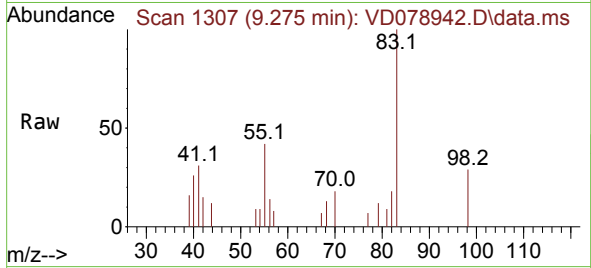




#39
Methylcyclohexane
Concen: 1.988 ug/l
RT: 9.275 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

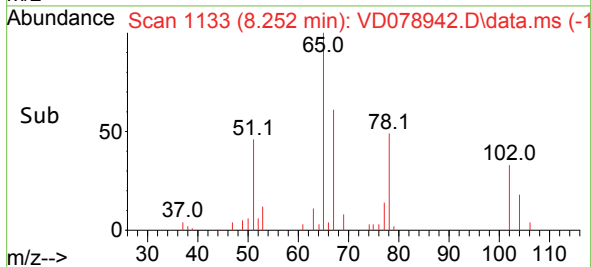
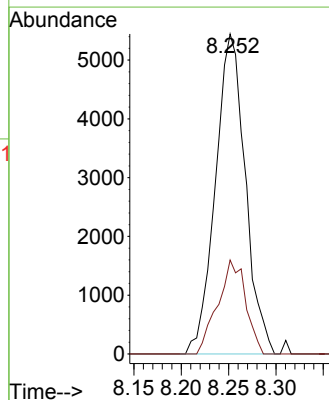
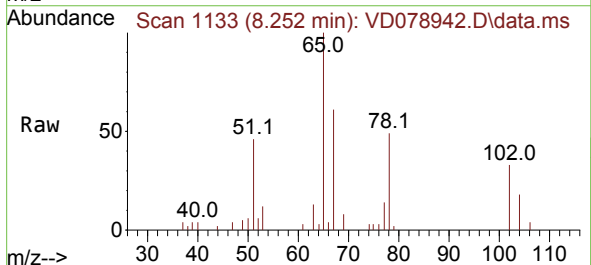
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

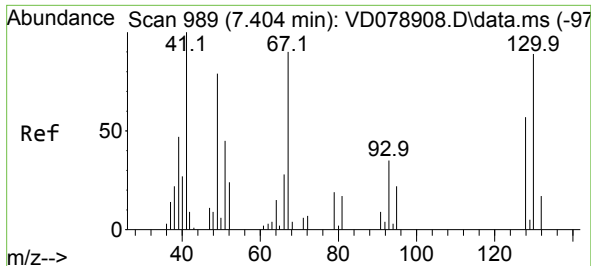
Tgt Ion: 83 Resp: 3667
Ion Ratio Lower Upper
83 100
55 42.2 50.1 75.1#
98 29.1 41.9 62.9#



#40
Benzene
Concen: 2.435 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 78 Resp: 11958
Ion Ratio Lower Upper
78 100
77 29.4 18.1 27.1#

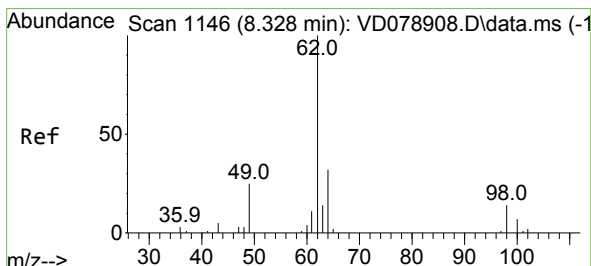
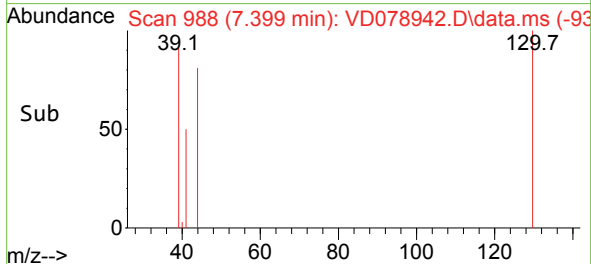
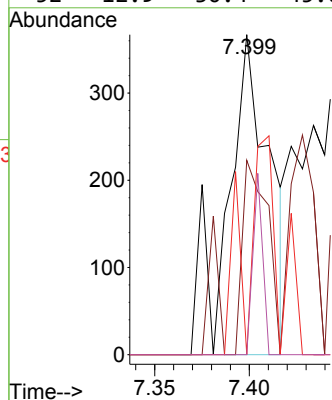
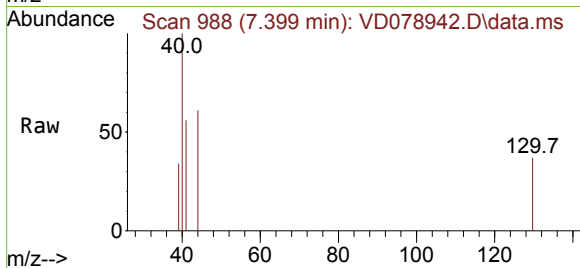




#41
Methacrylonitrile
Concen: 2.040 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

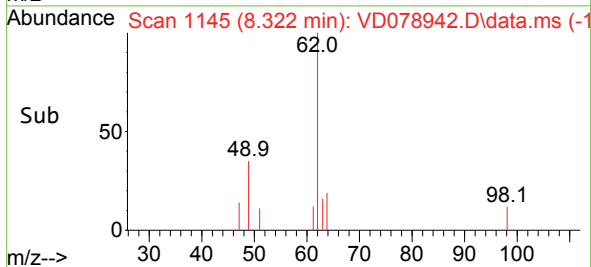
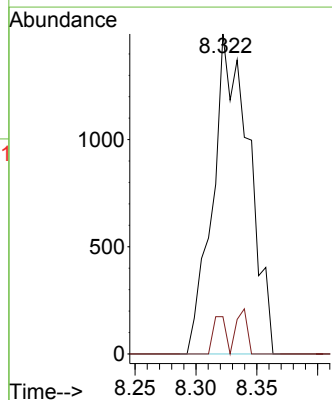
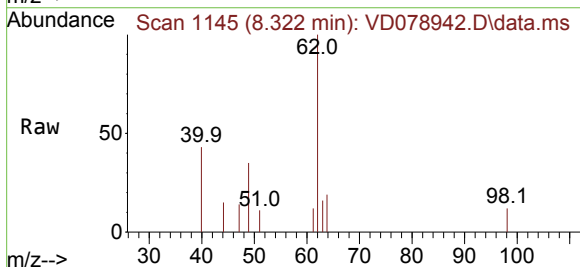
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

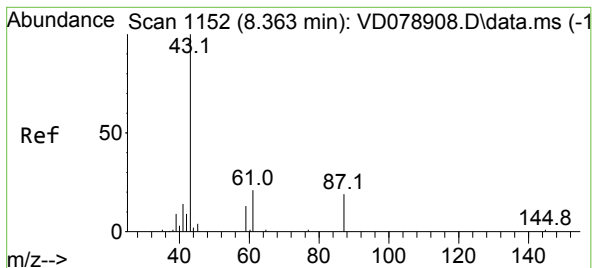
Tgt Ion:	41	Resp:	568
Ion	Ratio	Lower	Upper
41	100		
39	36.1	41.4	62.0#
67	53.5	85.8	128.6#
52	12.9	30.4	45.6#



#42
1,2-Dichloroethane
Concen: 2.605 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:	62	Resp:	3096
Ion	Ratio	Lower	Upper
62	100		
98	4.0	0.0	25.8





#43

Isopropyl Acetate

Concen: 1.902 ug/l

RT: 8.375 min Scan# 1154

Delta R.T. 0.012 min

Lab File: VD078942.D

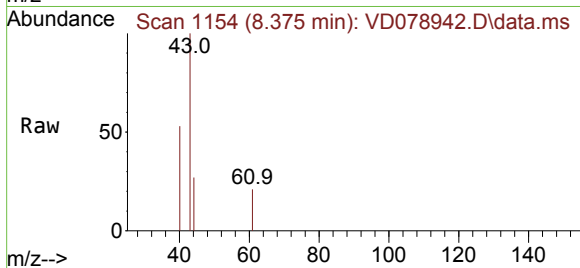
Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024



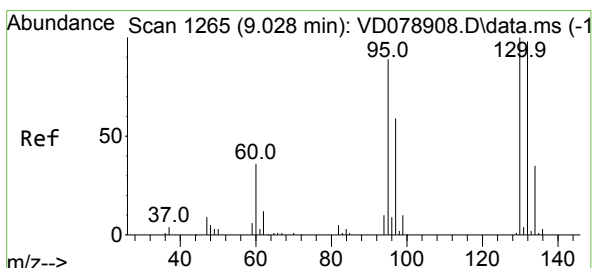
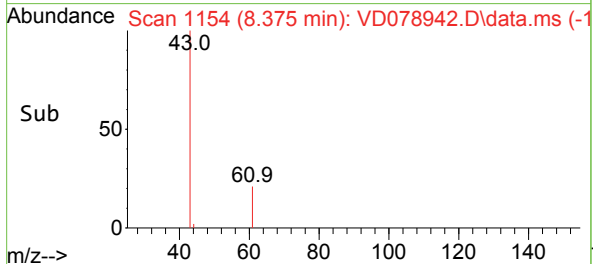
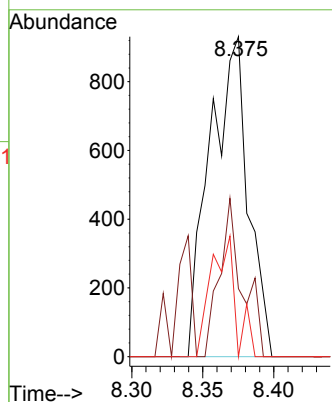
Tgt Ion: 43 Resp: 1746

Ion Ratio Lower Upper

43 100

61 29.8 29.3 43.9

87 24.2 14.9 22.3#



#44

Trichloroethene

Concen: 2.565 ug/l

RT: 9.040 min Scan# 1267

Delta R.T. 0.012 min

Lab File: VD078942.D

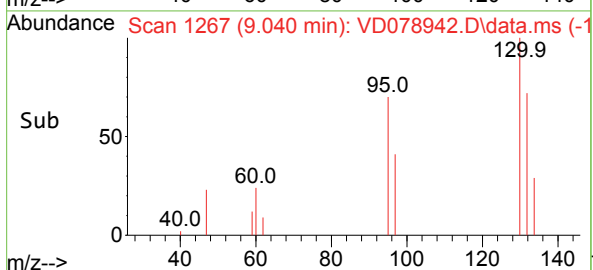
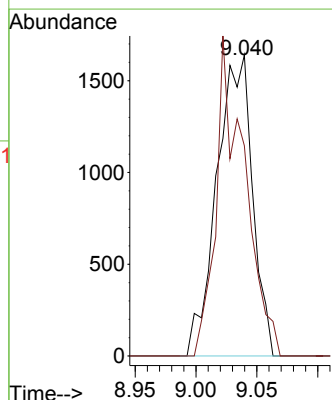
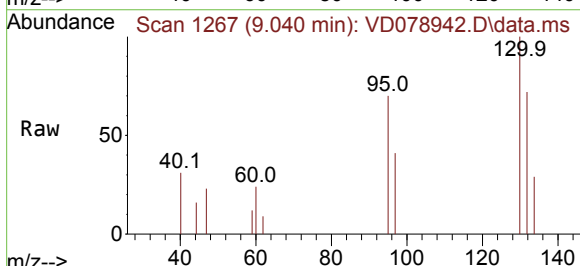
Acq: 16 May 2024 12:18

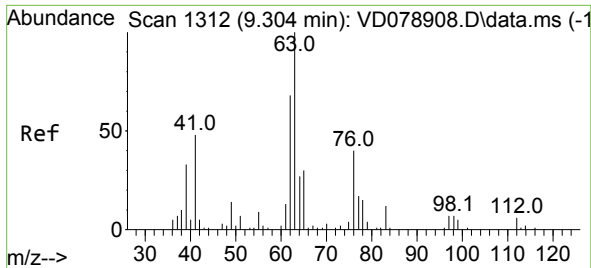
Tgt Ion: 130 Resp: 3341

Ion Ratio Lower Upper

130 100

95 69.9 0.0 177.8

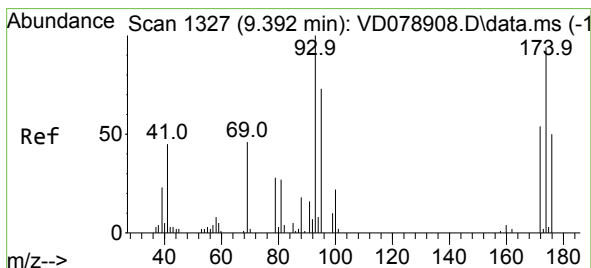
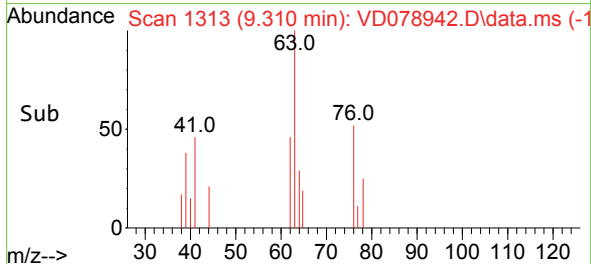
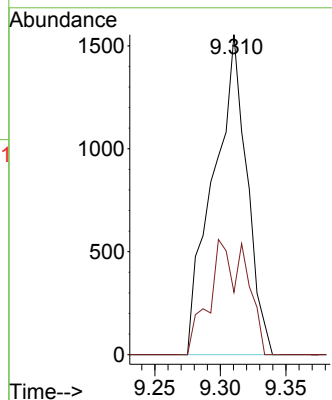
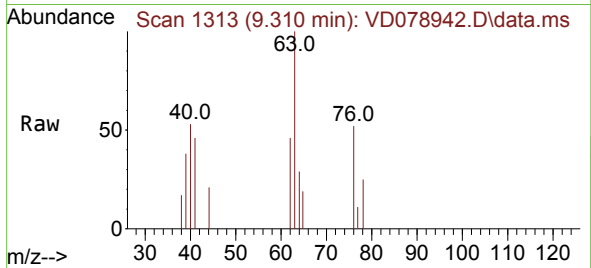




#45
1,2-Dichloropropane
Concen: 2.560 ug/l
RT: 9.310 min Scan# 1313
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

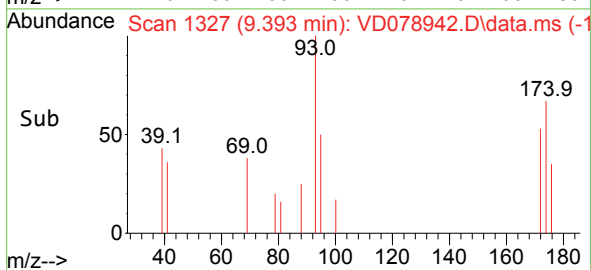
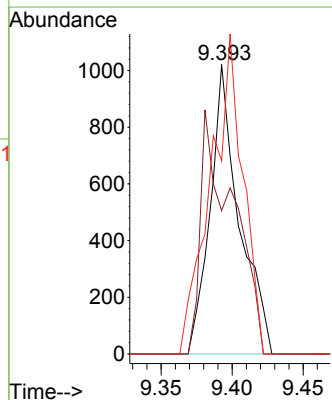
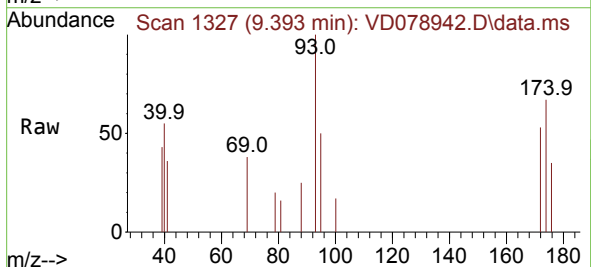
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

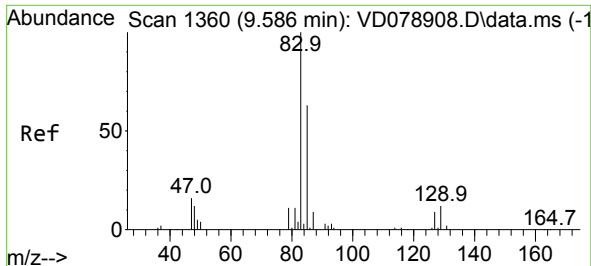
Tgt Ion: 63 Resp: 2763
Ion Ratio Lower Upper
63 100
65 19.5 23.8 35.8#



#46
Dibromomethane
Concen: 2.030 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 93 Resp: 1442
Ion Ratio Lower Upper
93 100
95 94.7 65.6 98.4
174 124.0 82.3 123.5#

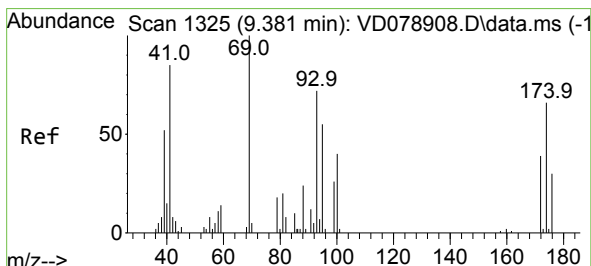
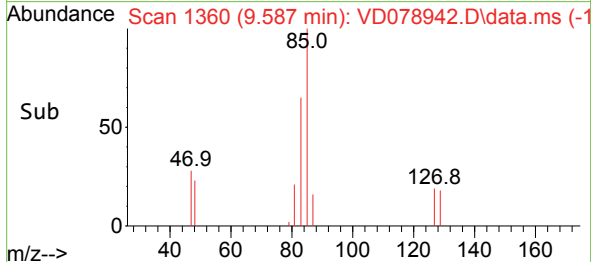
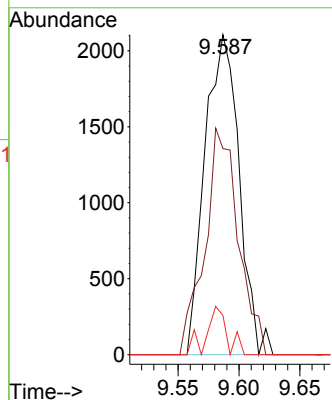
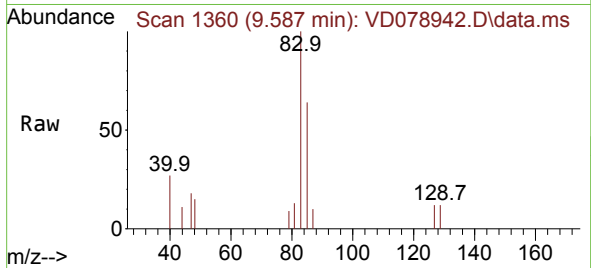




#47
Bromodichloromethane
Concen: 2.402 ug/l
RT: 9.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

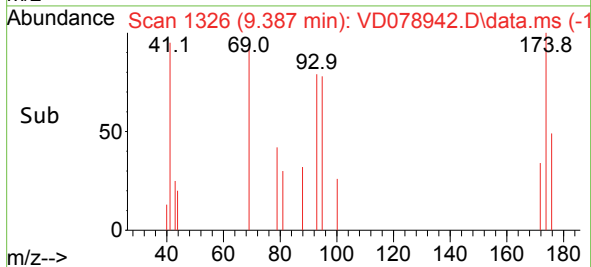
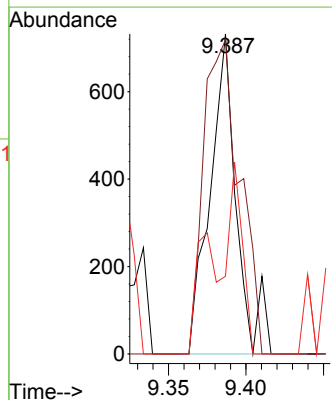
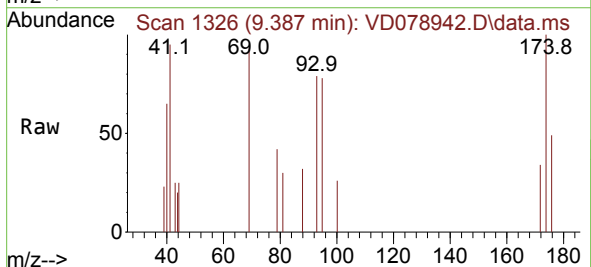
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

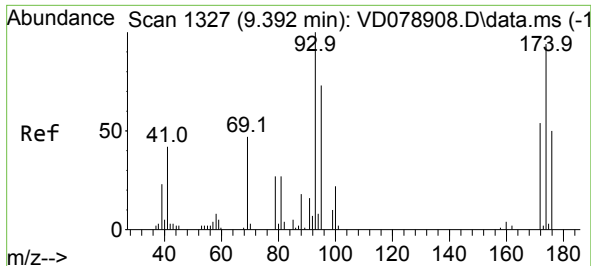
Tgt Ion: 83 Resp: 4108
Ion Ratio Lower Upper
83 100
85 64.4 50.1 75.1
127 12.3 6.8 10.2#



#48
Methyl methacrylate
Concen: 1.938 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 41 Resp: 866
Ion Ratio Lower Upper
41 100
69 133.9 96.7 145.1
39 34.4 43.8 65.6#





#49

1,4-Dioxane

Concen: 66.093 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078942.D

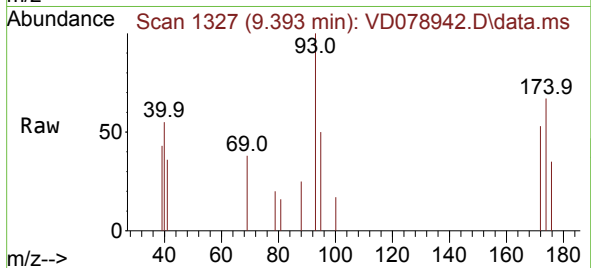
Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024



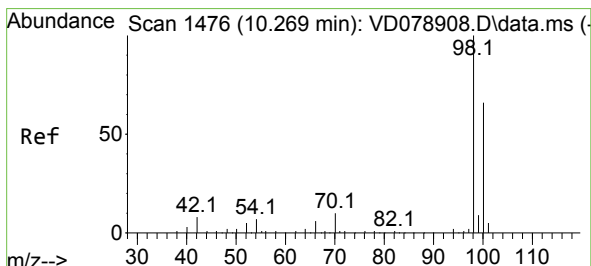
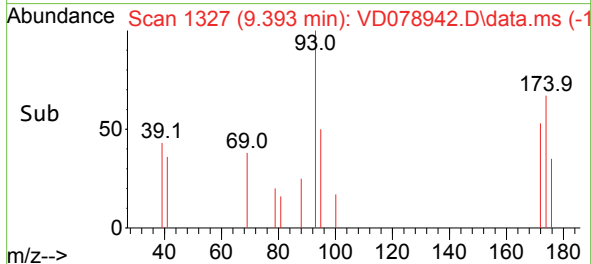
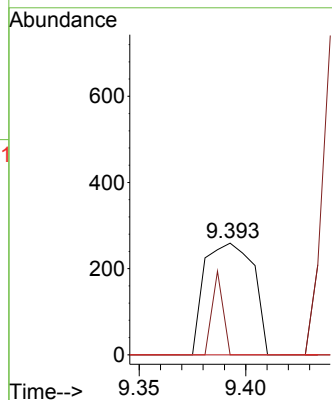
Tgt Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 16.5 21.5 32.3#

58 0.0 42.2 63.4#



#50

Toluene-d8

Concen: 56.385 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078942.D

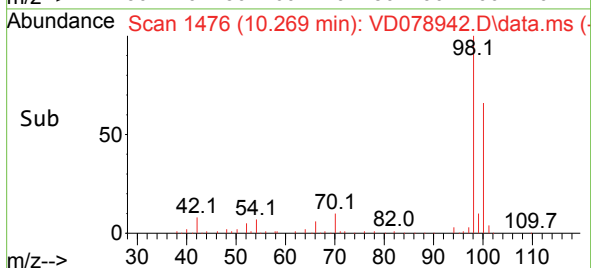
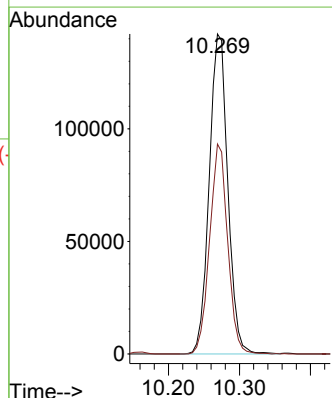
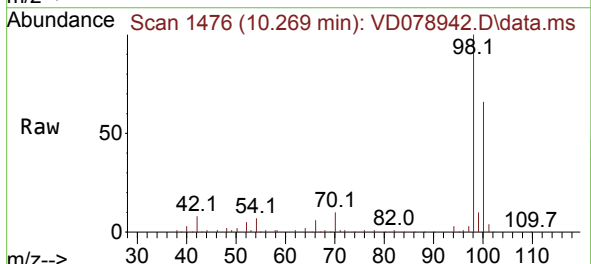
Acq: 16 May 2024 12:18

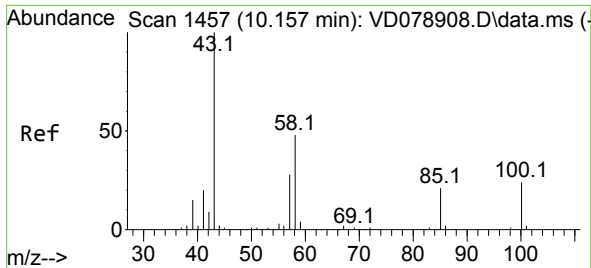
Tgt Ion: 98 Resp: 257894

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4

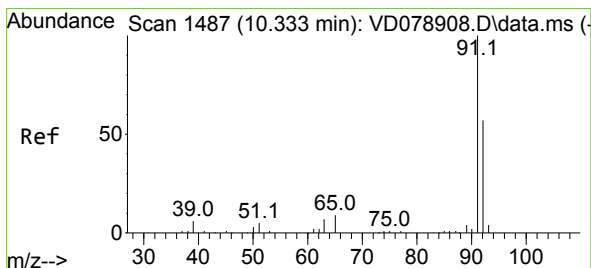
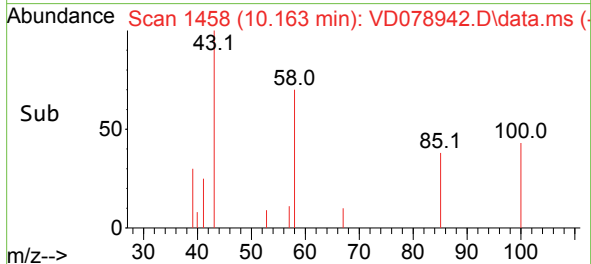
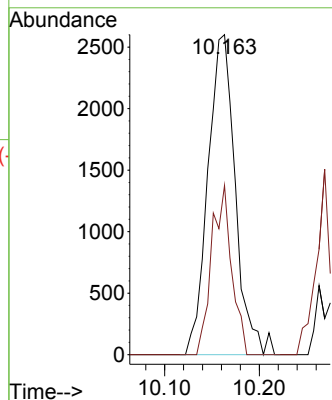
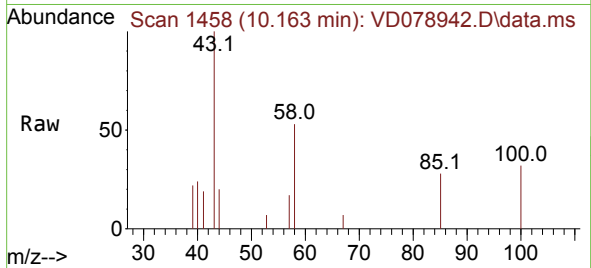




#51
4-Methyl-2-Pentanone
Concen: 10.701 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

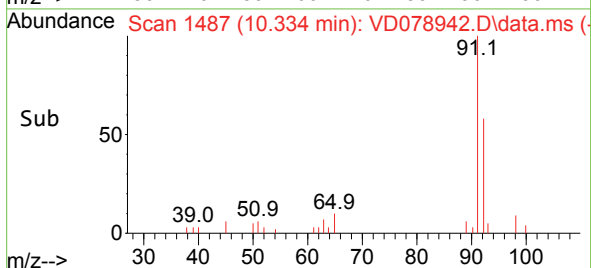
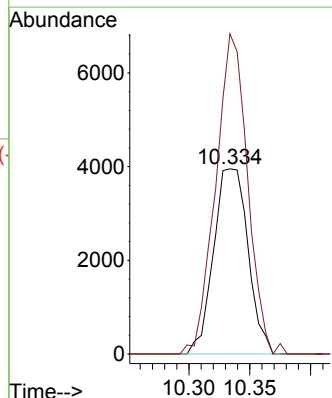
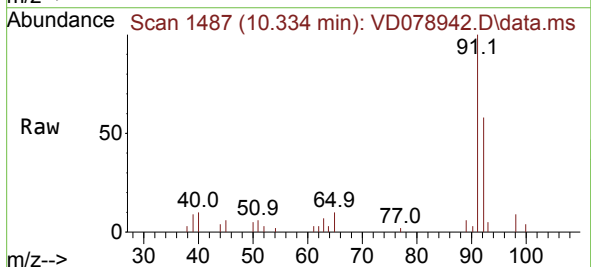
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

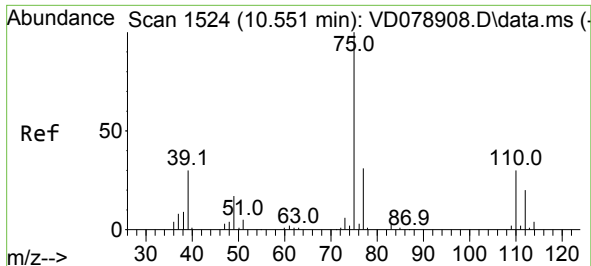
Tgt Ion: 43 Resp: 5233
Ion Ratio Lower Upper
43 100
58 38.5 36.6 55.0



#52
Toluene
Concen: 2.477 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 92 Resp: 7785
Ion Ratio Lower Upper
92 100
91 160.3 141.7 212.5

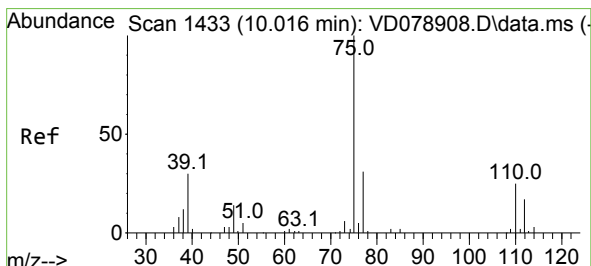
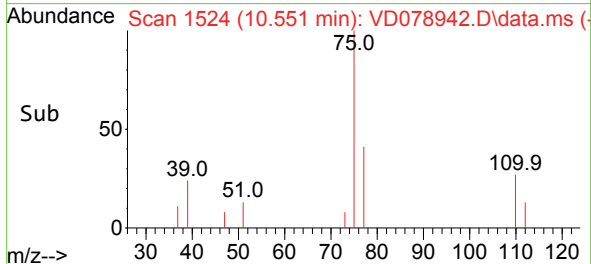
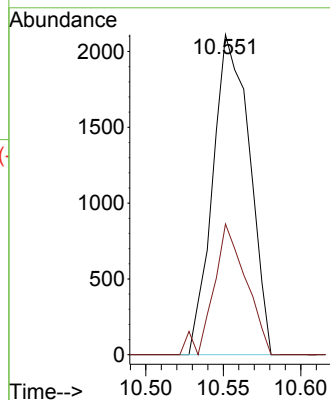
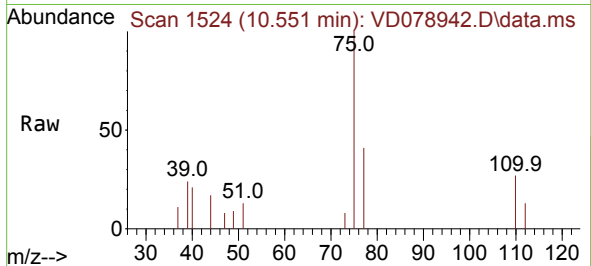




#53
t-1,3-Dichloropropene
Concen: 2.395 ug/l
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

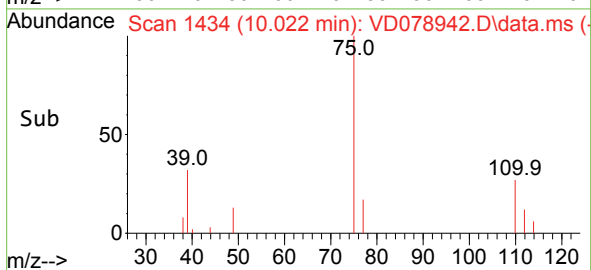
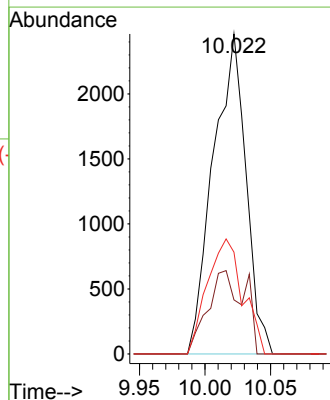
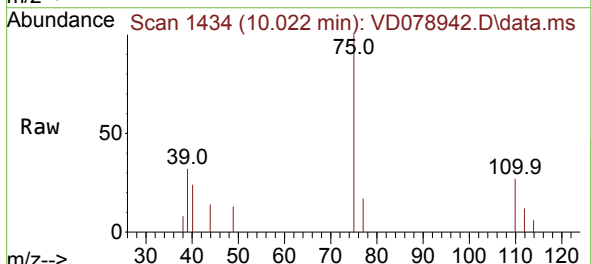
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

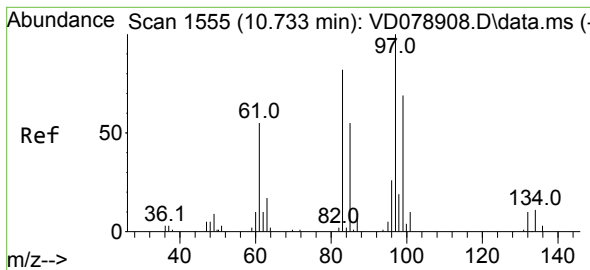
Tgt Ion: 75 Resp: 3480
Ion Ratio Lower Upper
75 100
77 40.9 25.0 37.6#



#54
cis-1,3-Dichloropropene
Concen: 2.440 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 75 Resp: 4255
Ion Ratio Lower Upper
75 100
77 16.9 24.4 36.6#
39 31.8 24.2 36.2





#55

1,1,2-Trichloroethane

Concen: 2.429 ug/l

RT: 10.728 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 97 Resp: 2229

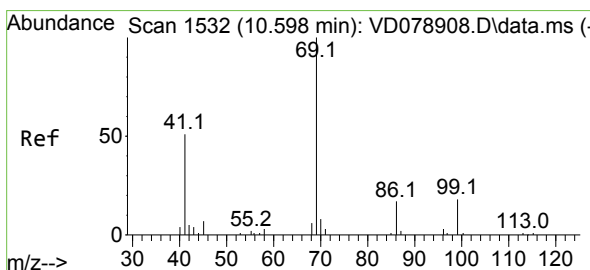
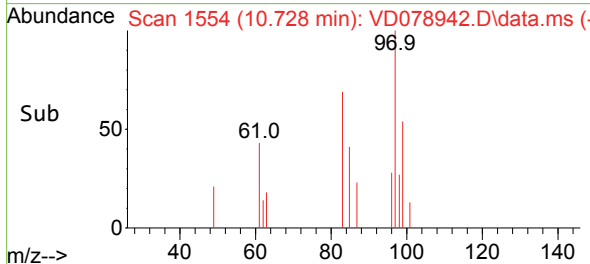
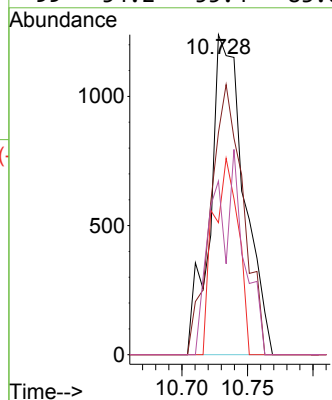
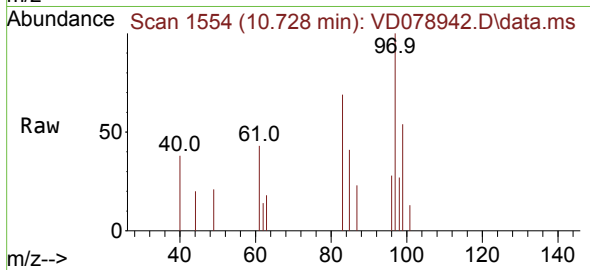
Ion Ratio Lower Upper

97 100

83 69.4 65.8 98.8

85 41.2 43.8 65.8#

99 54.2 55.4 83.0#



#56

Ethyl methacrylate

Concen: 1.756 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

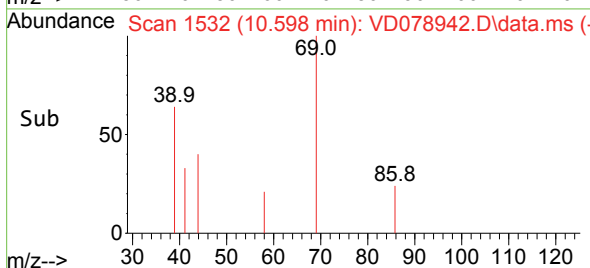
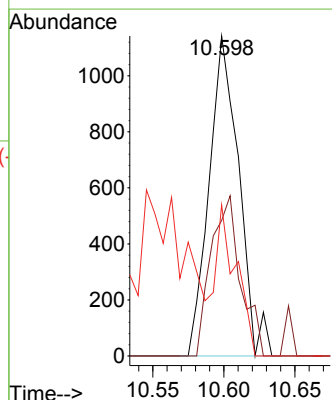
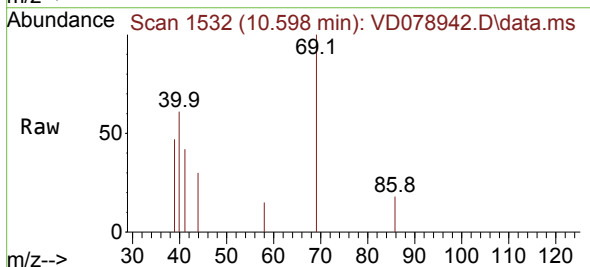
Tgt Ion: 69 Resp: 1658

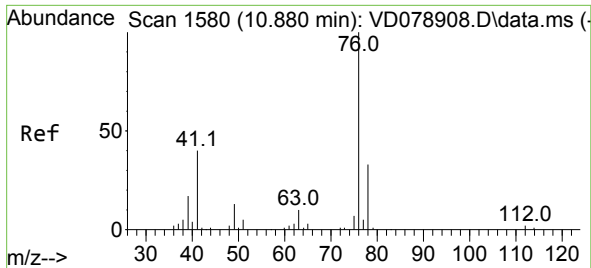
Ion Ratio Lower Upper

69 100

41 50.1 39.8 59.6

39 33.5 20.2 30.4#





#57

1,3-Dichloropropane

Concen: 2.223 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

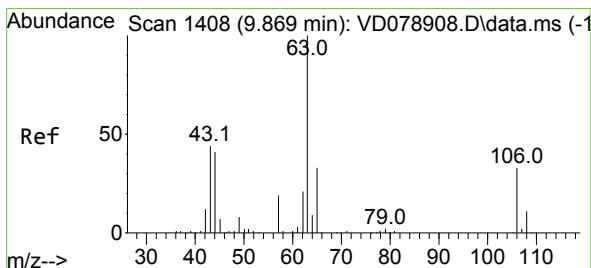
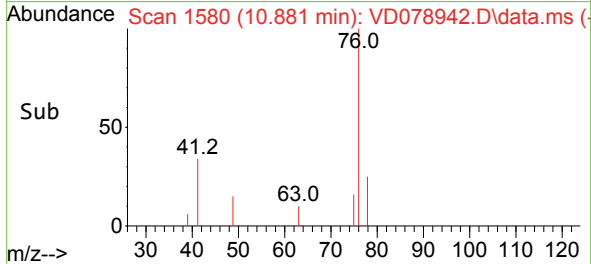
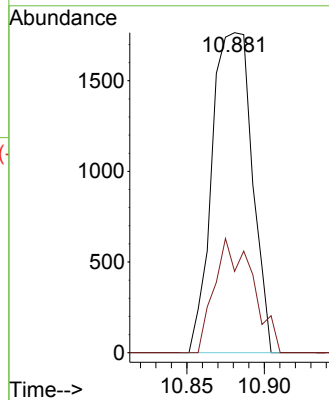
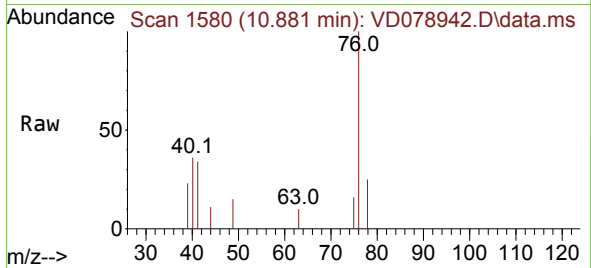
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 3177

Ion Ratio Lower Upper

76 100

78 34.1 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 11.064 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078942.D

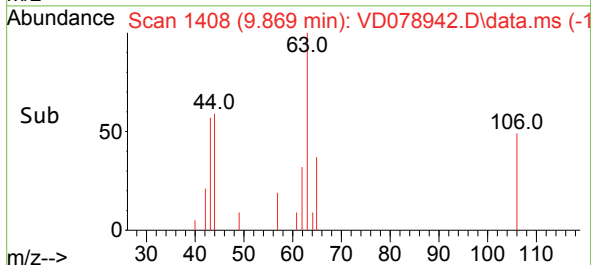
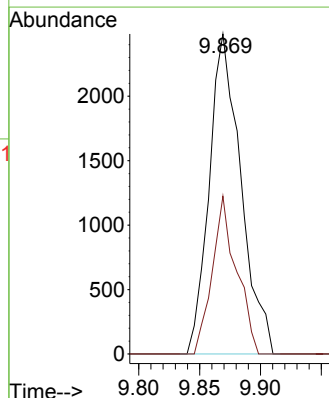
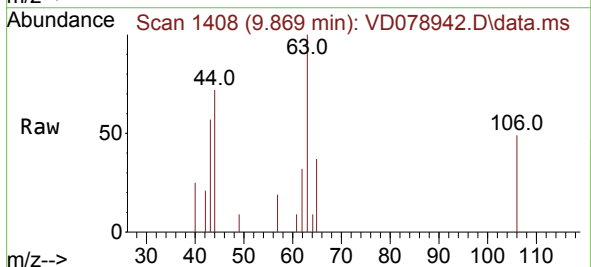
Acq: 16 May 2024 12:18

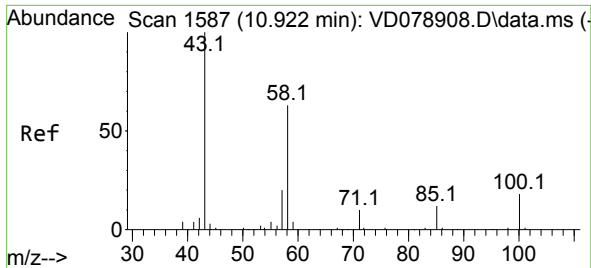
Tgt Ion: 63 Resp: 4489

Ion Ratio Lower Upper

63 100

106 37.9 26.4 39.6

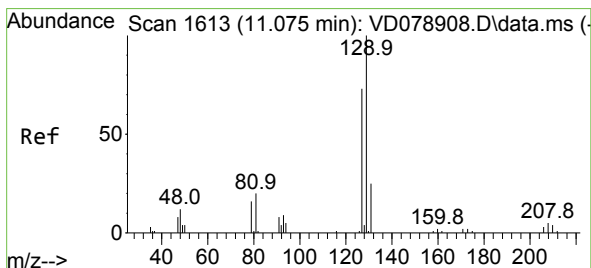
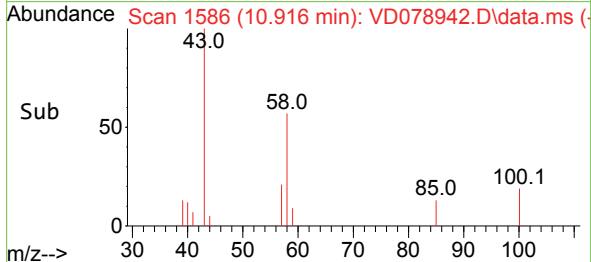
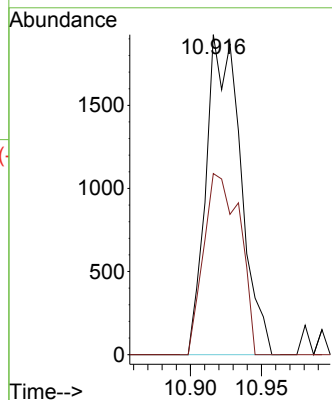
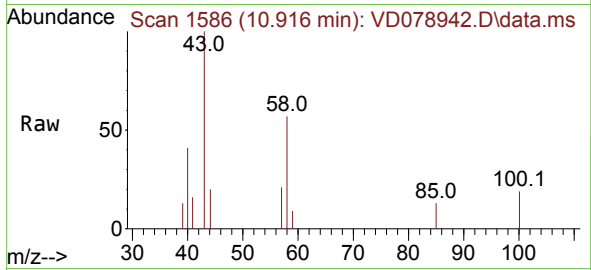




#59
2-Hexanone
Concen: 9.563 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

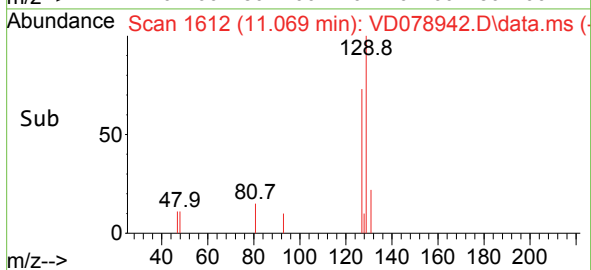
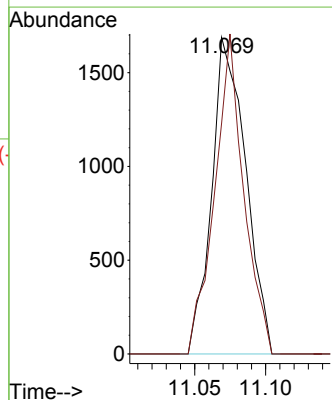
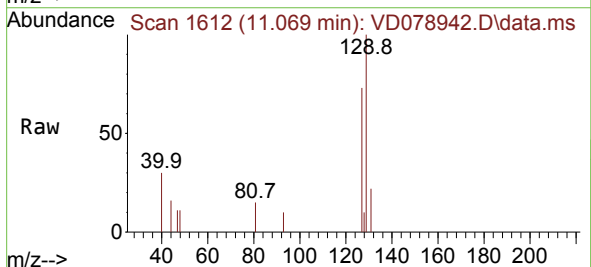
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2024

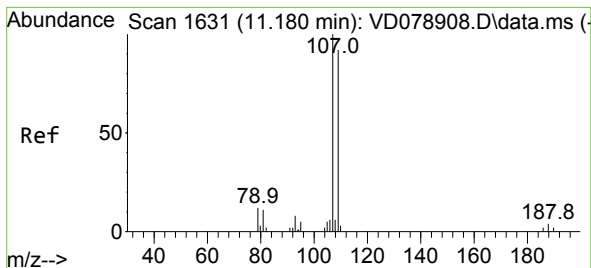
Tgt Ion: 43 Resp: 3255
Ion Ratio Lower Upper
43 100
58 59.1 31.1 93.5



#60
Dibromochloromethane
Concen: 2.246 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 129 Resp: 2810
Ion Ratio Lower Upper
129 100
127 86.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 2.181 ug/l

RT: 11.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

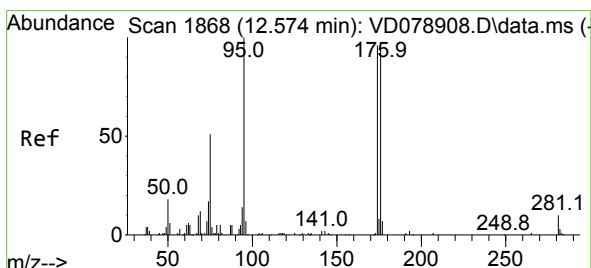
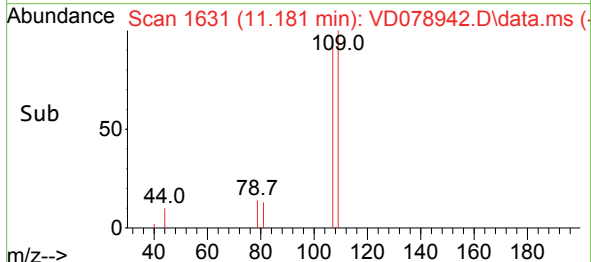
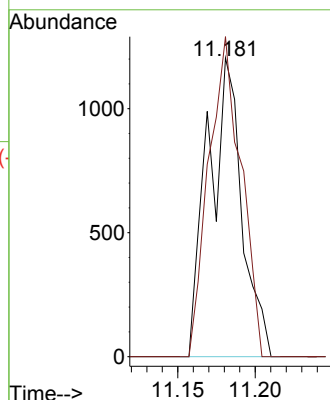
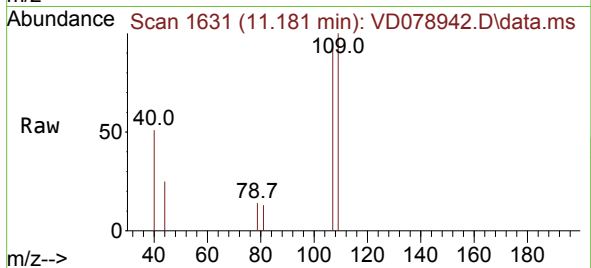
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 1825

Ion Ratio Lower Upper

107 100

109 102.4 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 52.695 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

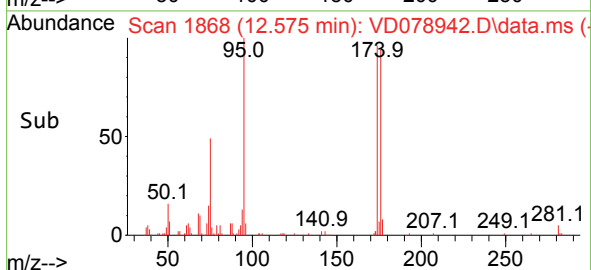
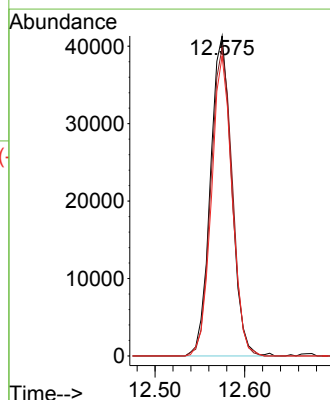
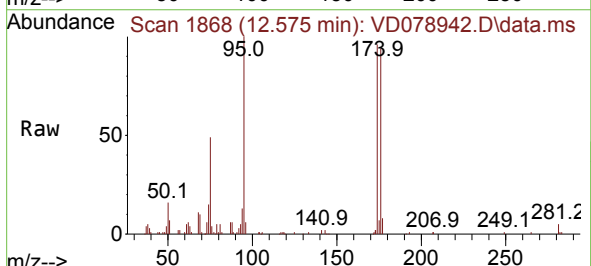
Tgt Ion: 95 Resp: 67708

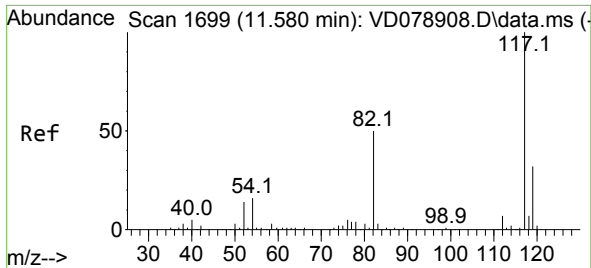
Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.4

176 91.1 0.0 192.6

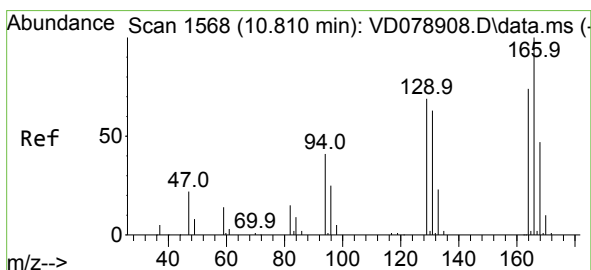
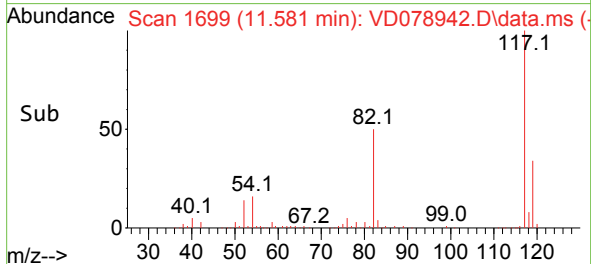
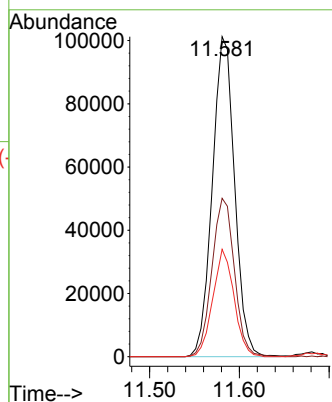
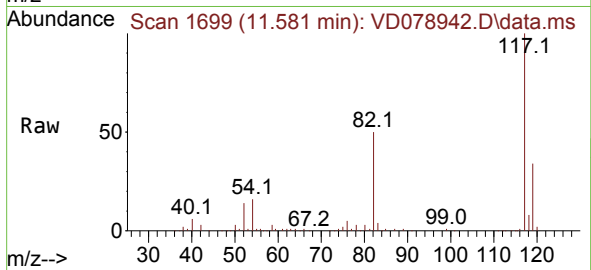




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

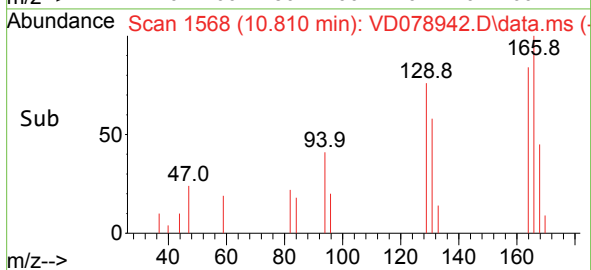
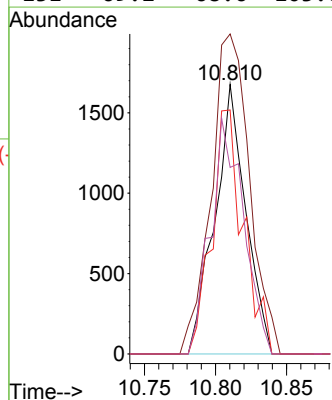
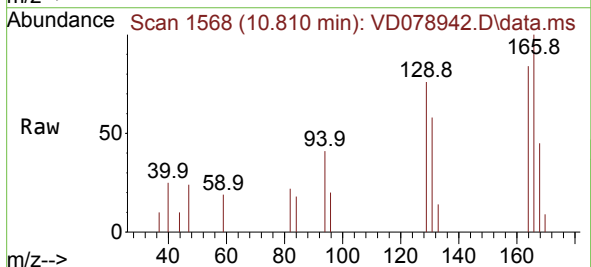
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

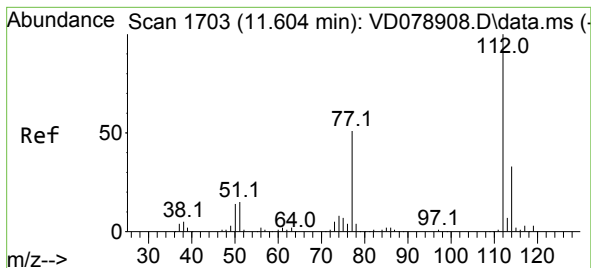
Tgt Ion:117 Resp: 174447
Ion Ratio Lower Upper
117 100
82 49.5 39.8 59.6
119 33.5 25.7 38.5



#64
Tetrachloroethene
Concen: 2.294 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:164 Resp: 2539
Ion Ratio Lower Upper
164 100
166 118.7 108.6 163.0
129 90.5 74.6 112.0
131 69.2 68.6 103.0





#65

Chlorobenzene

Concen: 2.540 ug/l

RT: 11.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

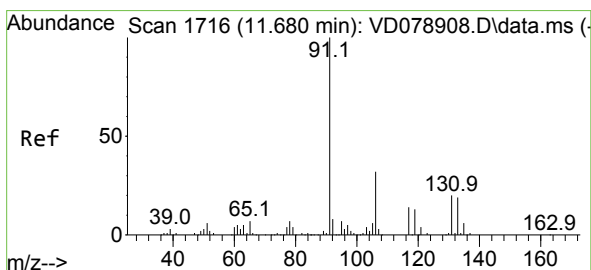
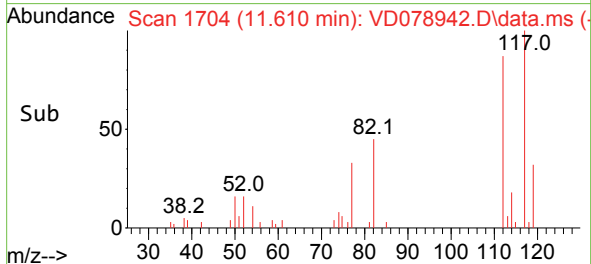
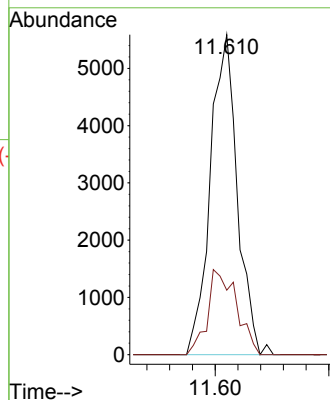
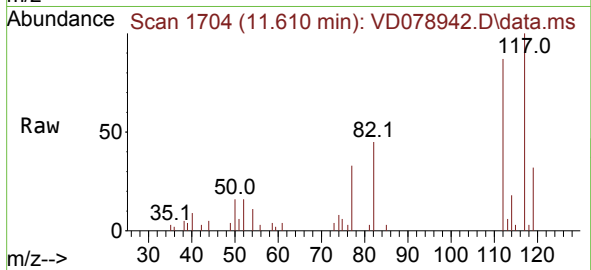
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 9216

Ion Ratio Lower Upper

112 100

114 20.2 26.0 39.0#



#66

1,1,1,2-Tetrachloroethane

Concen: 2.270 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

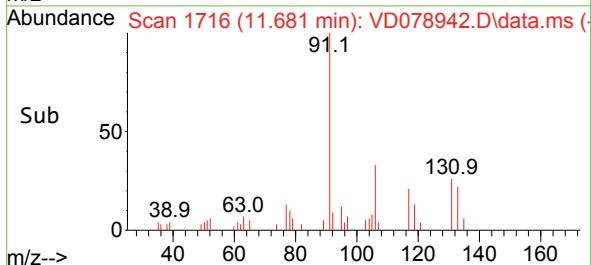
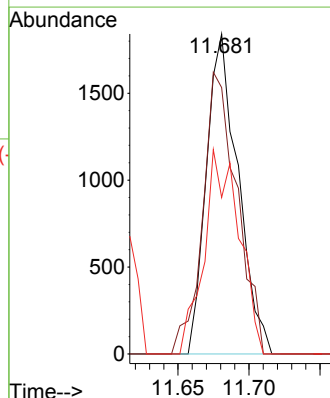
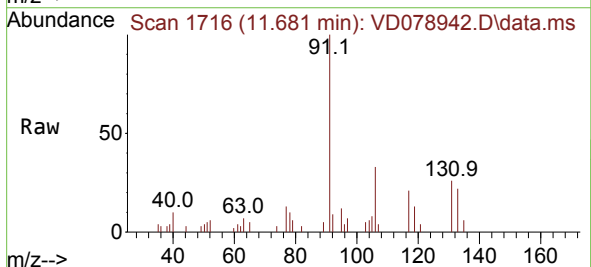
Tgt Ion:131 Resp: 2847

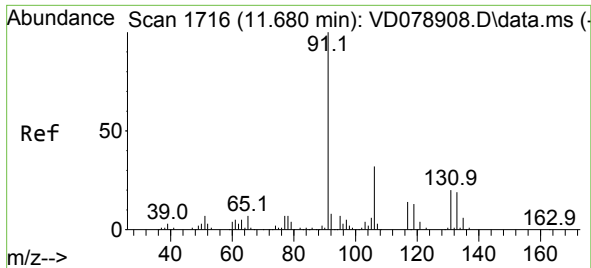
Ion Ratio Lower Upper

131 100

133 95.4 49.2 147.6

119 71.1 33.4 100.2

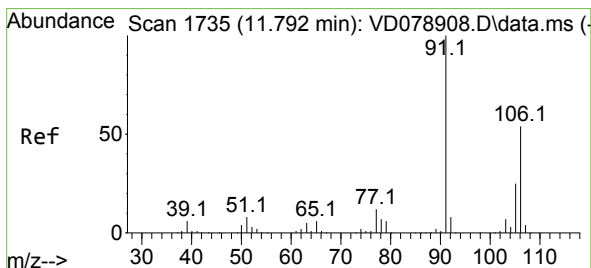
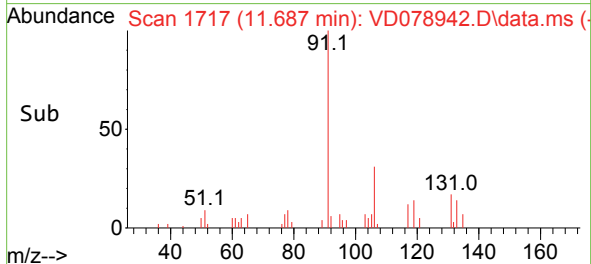
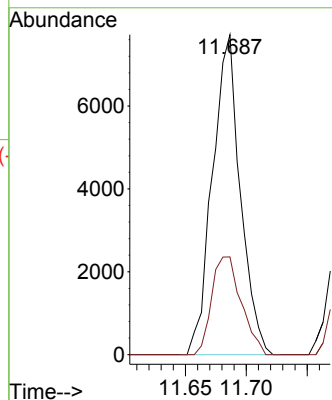
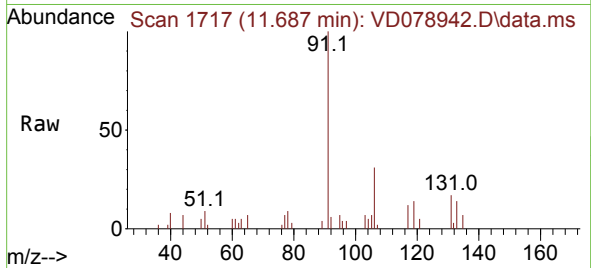




#67
Ethyl Benzene
Concen: 2.108 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

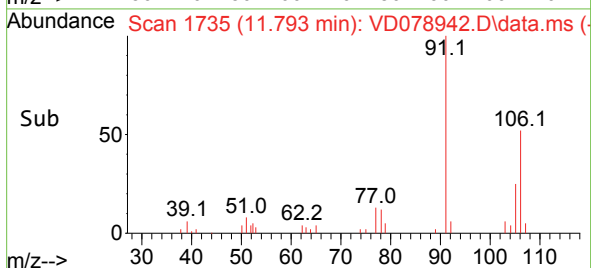
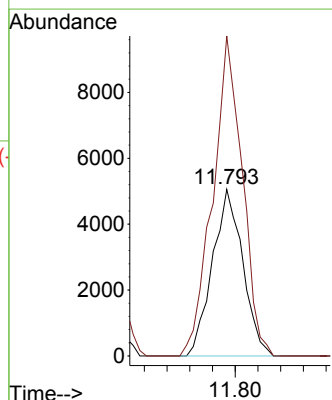
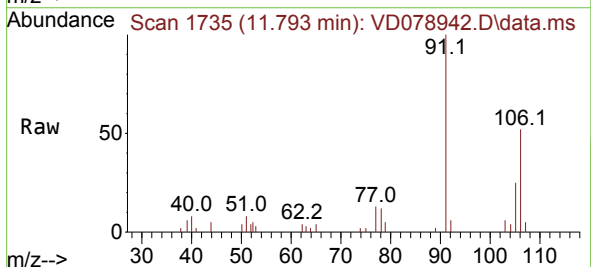
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

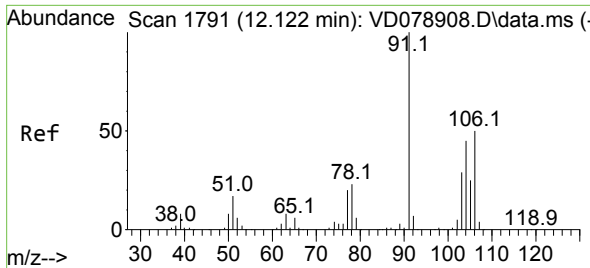
Tgt Ion: 91 Resp: 12302
Ion Ratio Lower Upper
91 100
106 30.5 25.8 38.6



#68
m/p-Xylenes
Concen: 3.962 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:106 Resp: 9402
Ion Ratio Lower Upper
106 100
91 186.8 148.5 222.7

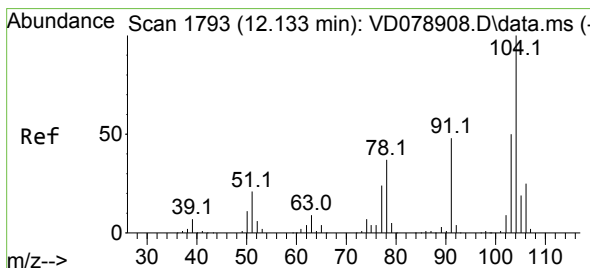
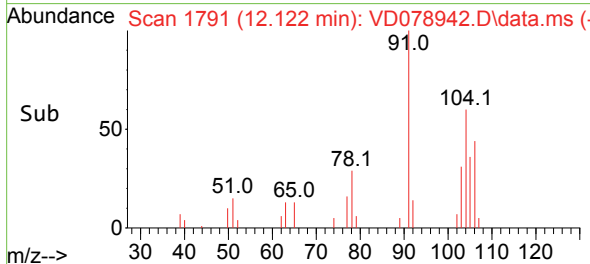
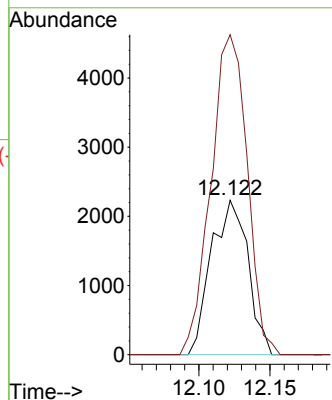
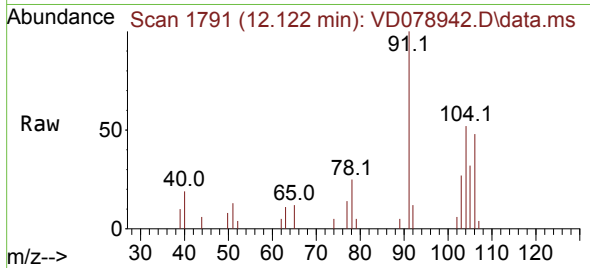




#69
o-Xylene
Concen: 1.859 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

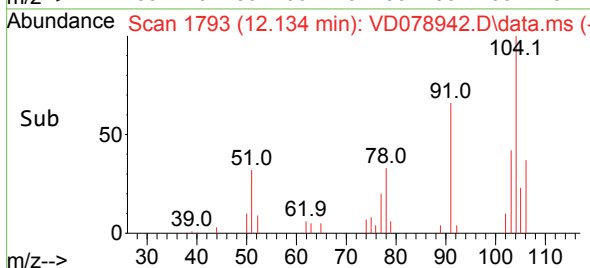
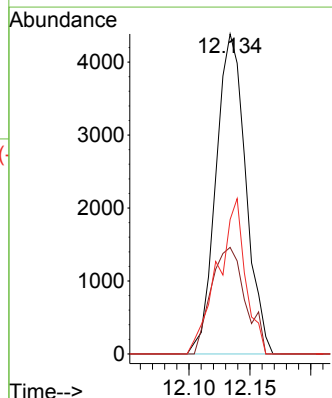
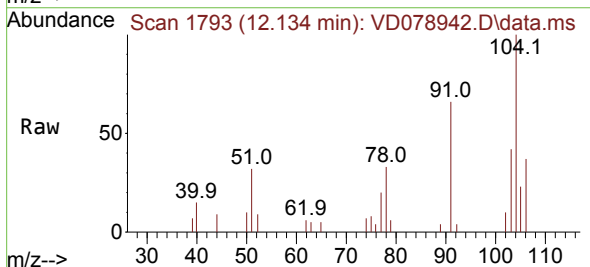
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

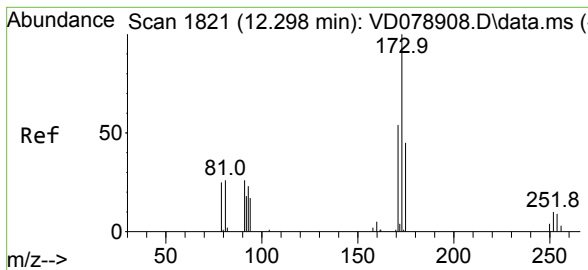
Tgt Ion:106 Resp: 4021
Ion Ratio Lower Upper
106 100
91 204.6 96.7 290.1



#70
Styrene
Concen: 1.945 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:104 Resp: 7458
Ion Ratio Lower Upper
104 100
78 38.3 33.0 49.6
103 45.6 44.2 66.4





#71

Bromoform

Concen: 2.000 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

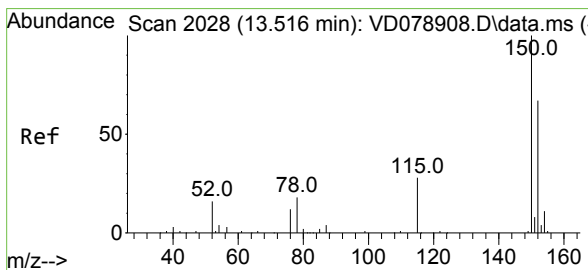
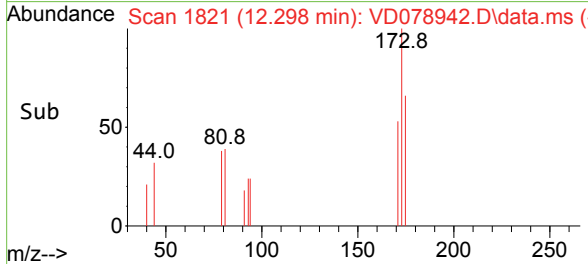
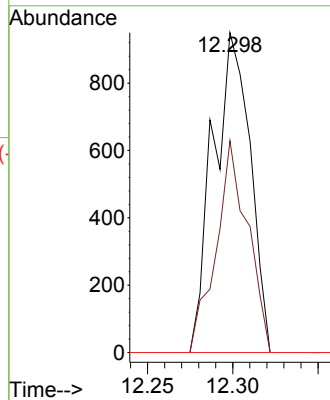
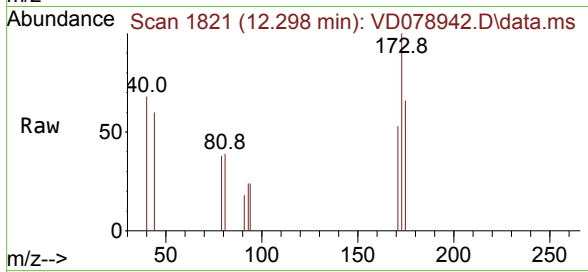
Tgt Ion:173 Resp: 1437

Ion Ratio Lower Upper

173 100

175 56.6 23.7 71.1

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

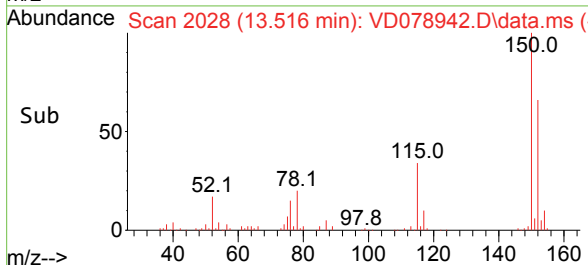
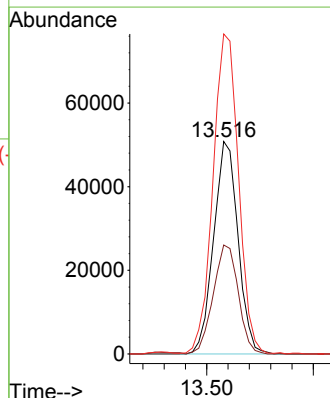
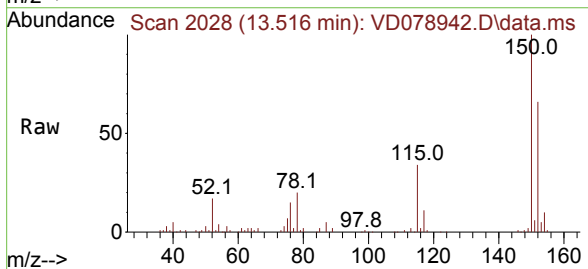
Tgt Ion:152 Resp: 80626

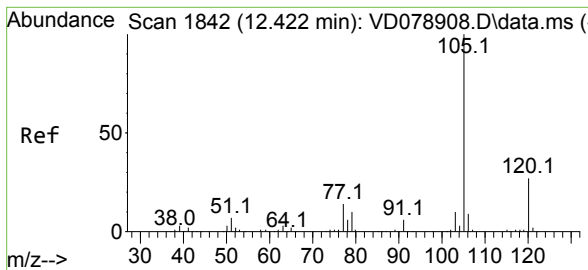
Ion Ratio Lower Upper

152 100

115 52.6 26.5 79.5

150 158.0 0.0 341.6





#73

Isopropylbenzene

Concen: 2.120 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

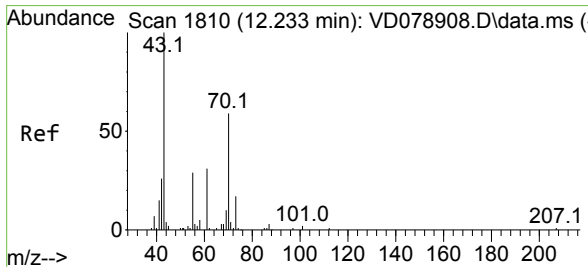
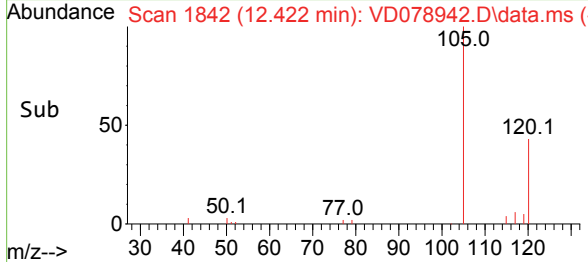
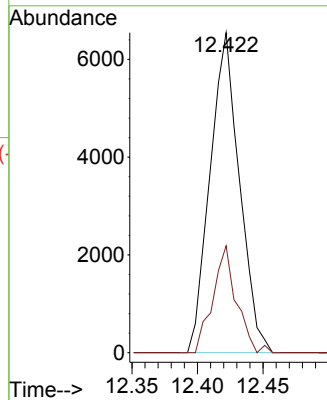
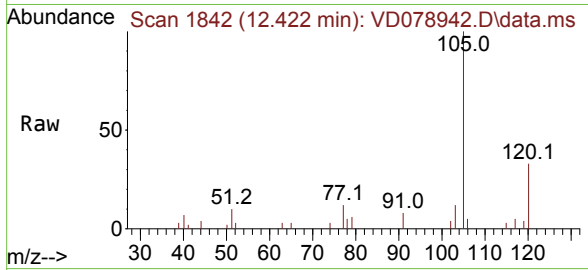
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 10204

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 1.761 ug/l

RT: 12.240 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Tgt Ion: 43 Resp: 1375

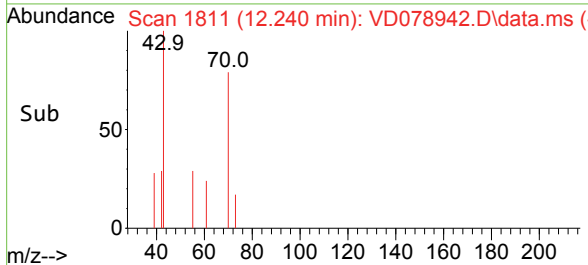
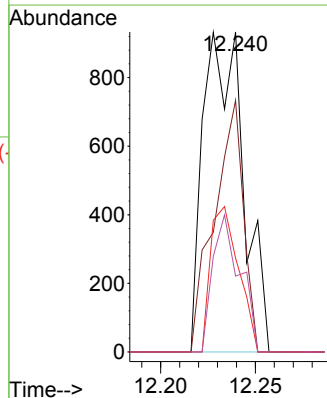
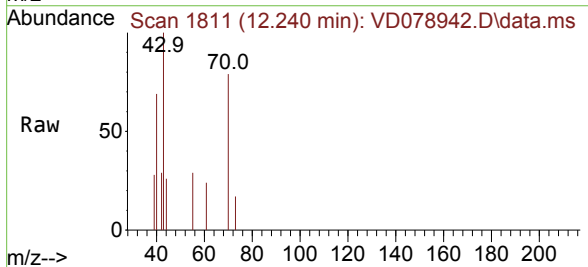
Ion Ratio Lower Upper

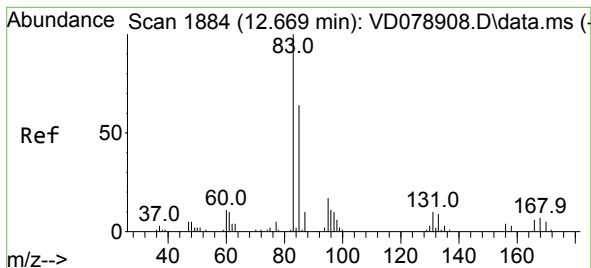
43 100

70 57.3 44.3 66.5

55 31.9 23.2 34.8

61 29.1 24.2 36.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.829 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

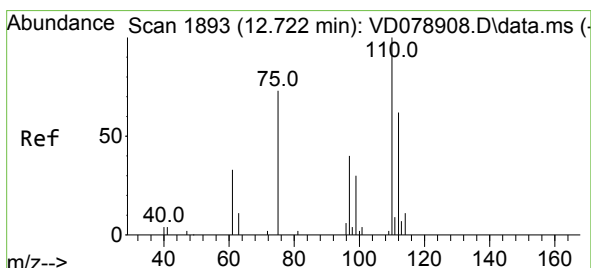
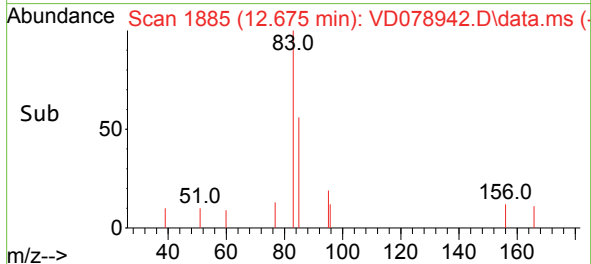
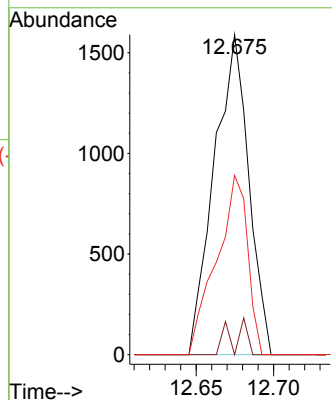
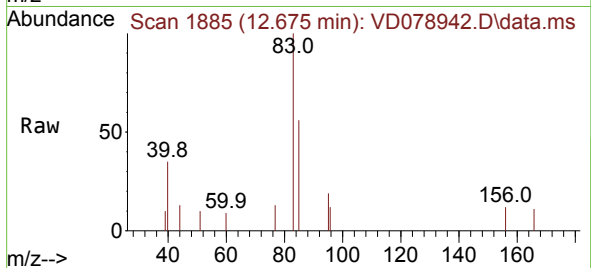
Tgt Ion: 83 Resp: 2456

Ion Ratio Lower Upper

83 100

131 5.0 5.5 16.5#

85 50.5 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 4.859 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD078942.D

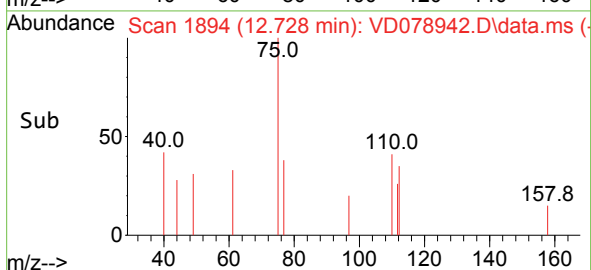
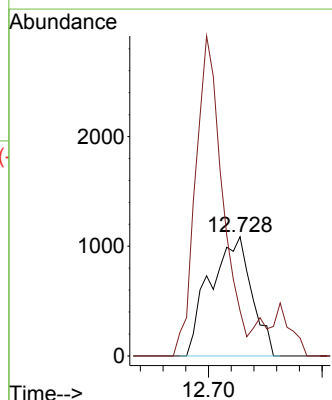
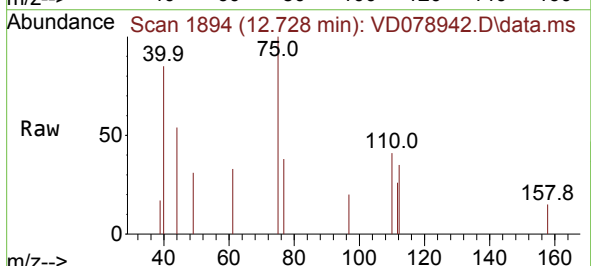
Acq: 16 May 2024 12:18

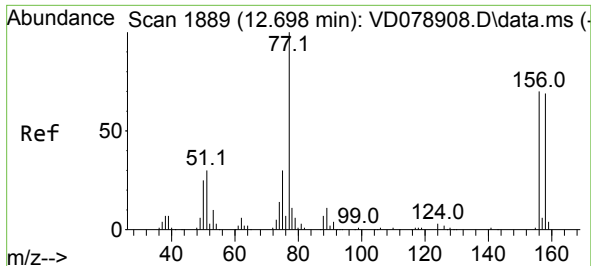
Tgt Ion: 75 Resp: 2758

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

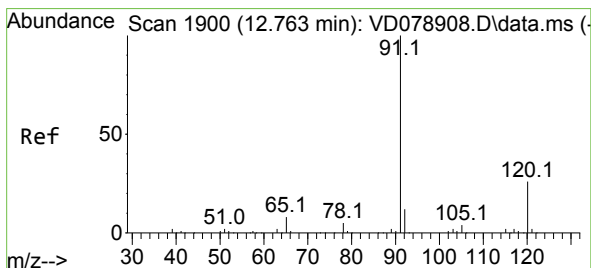
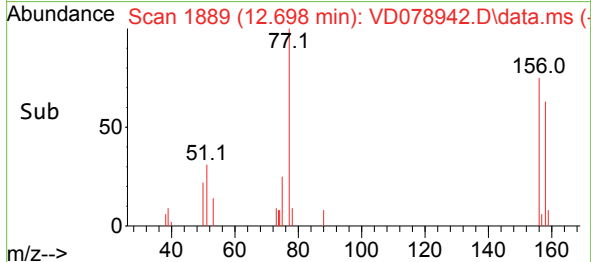
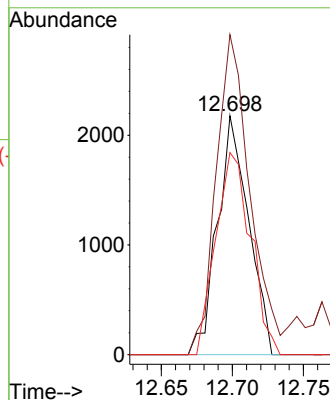
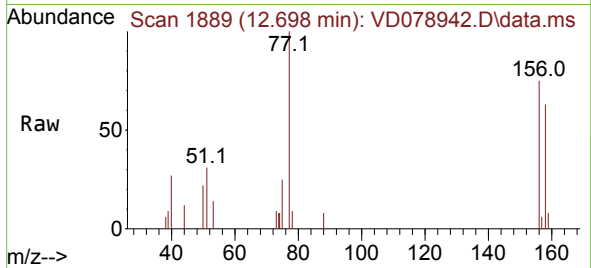




#77
Bromobenzene
Concen: 2.631 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

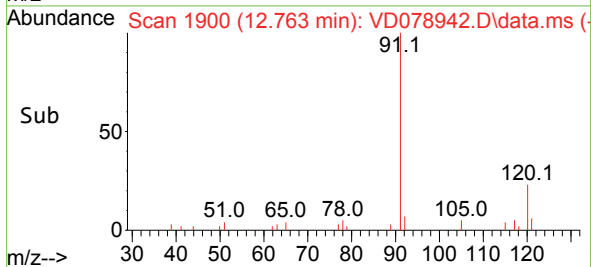
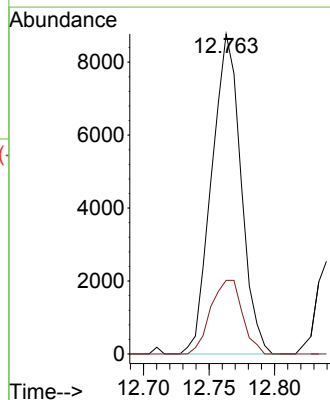
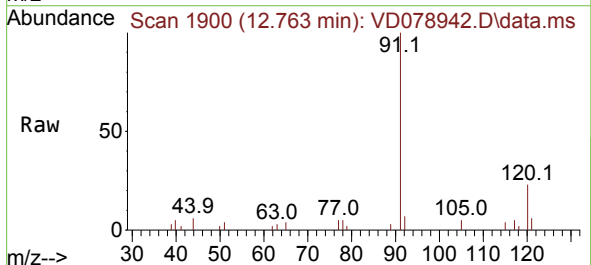
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

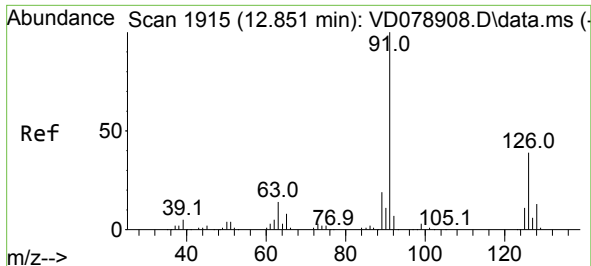
Tgt Ion:156 Resp: 3330
Ion Ratio Lower Upper
156 100
77 145.2 77.3 231.9
158 94.8 49.6 149.0



#78
n-propylbenzene
Concen: 2.345 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 91 Resp: 13642
Ion Ratio Lower Upper
91 100
120 24.8 12.3 36.8

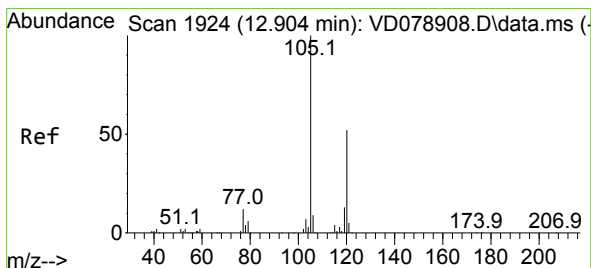
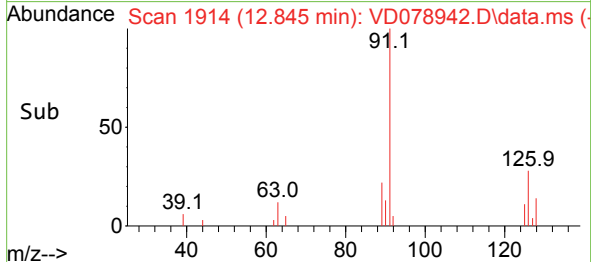
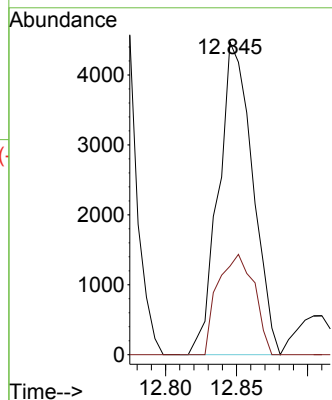
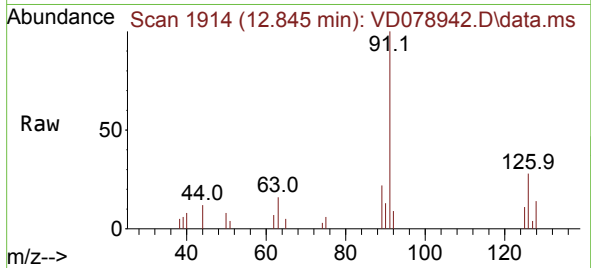




#79
2-Chlorotoluene
Concen: 2.313 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

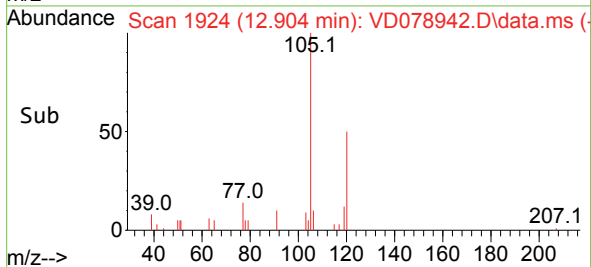
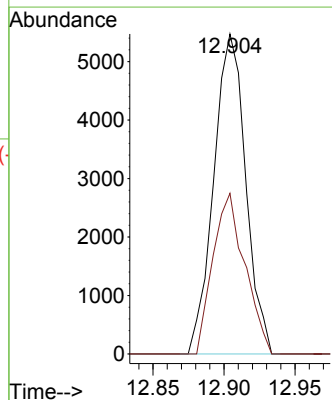
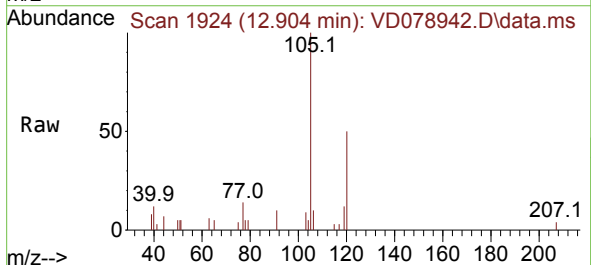
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

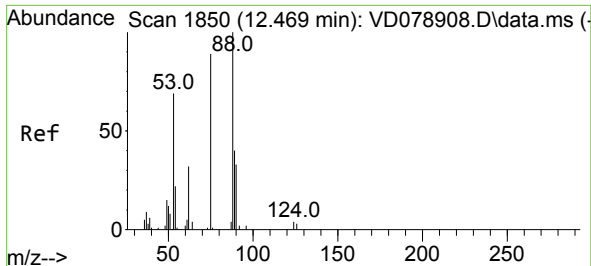
Tgt Ion: 91 Resp: 7477
Ion Ratio Lower Upper
91 100
126 34.3 19.3 57.8



#80
1,3,5-Trimethylbenzene
Concen: 2.143 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 105 Resp: 8569
Ion Ratio Lower Upper
105 100
120 50.2 25.7 77.1

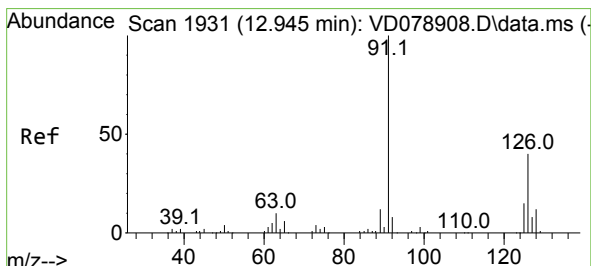
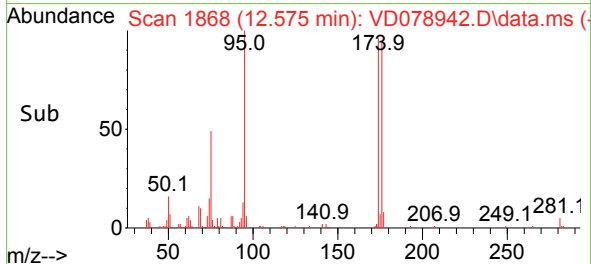
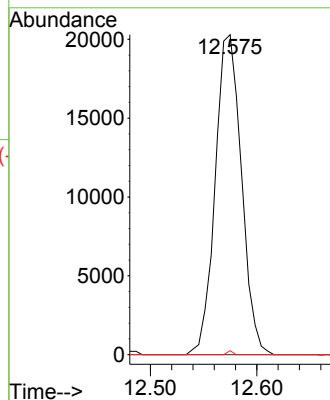
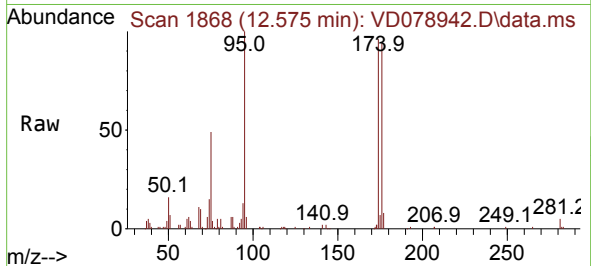




#81
trans-1,4-Dichloro-2-butene
Concen: 121.236 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

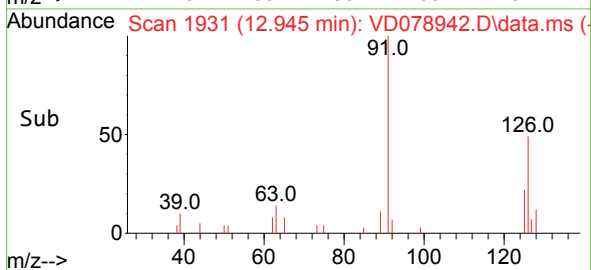
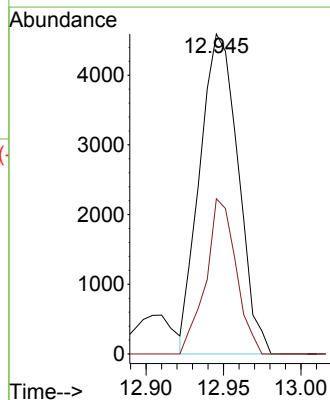
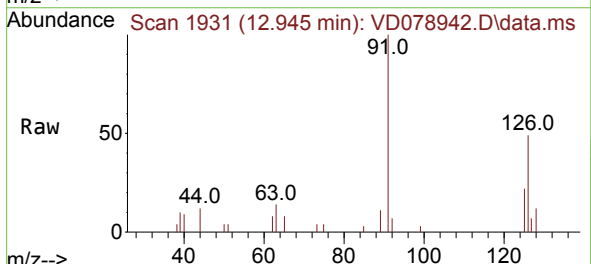
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

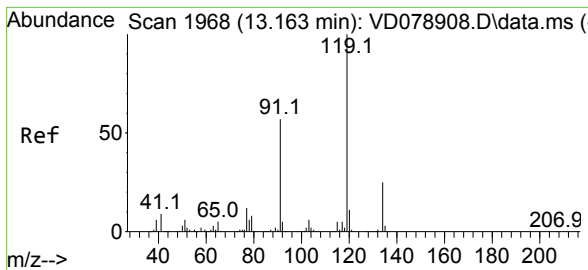
Tgt Ion: 75 Resp: 34702
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.3 35.4 53.0#



#82
4-Chlorotoluene
Concen: 2.333 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion: 91 Resp: 7914
Ion Ratio Lower Upper
91 100
126 38.3 18.9 56.9

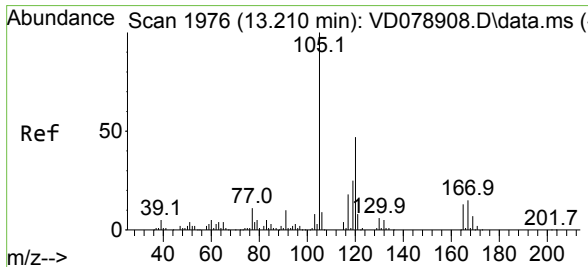
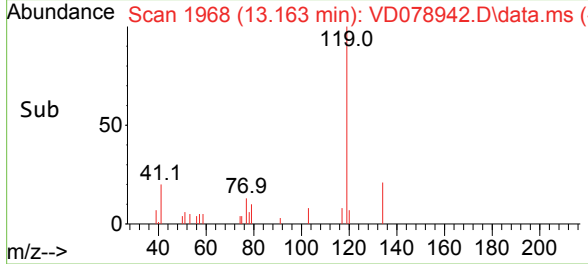
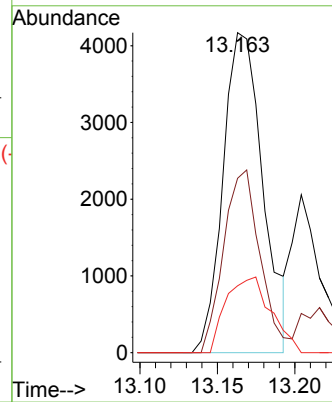
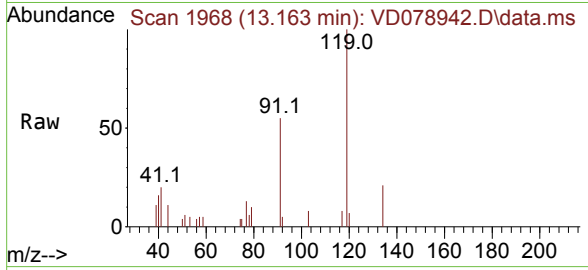




#83
tert-Butylbenzene
Concen: 2.114 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

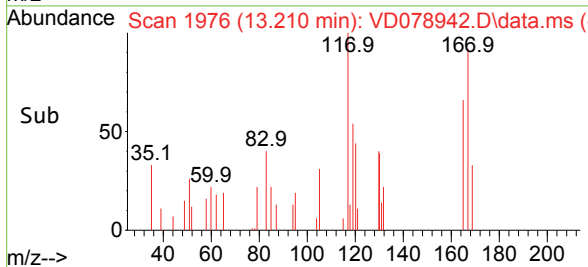
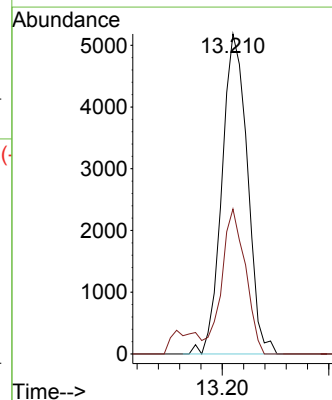
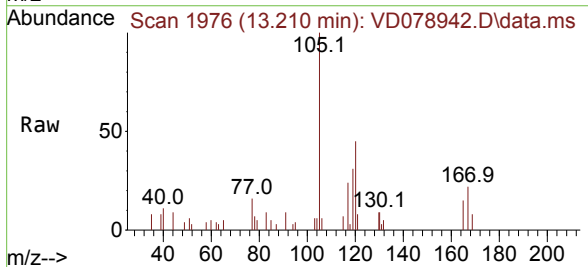
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2024

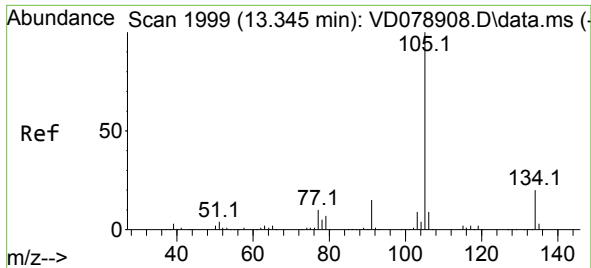
Tgt Ion:119	Resp:	7475
Ion	Ratio	Lower Upper
119	100	
91	52.6	28.2 84.7
134	26.5	13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 2.074 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:105	Resp:	8591
Ion	Ratio	Lower Upper
105	100	
120	42.3	23.6 71.0

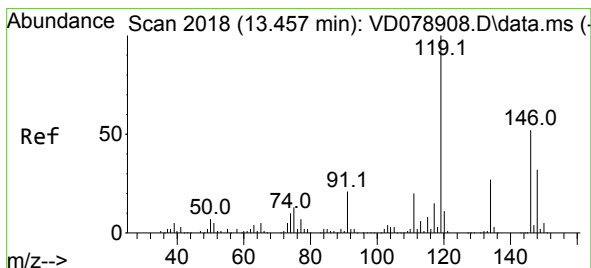
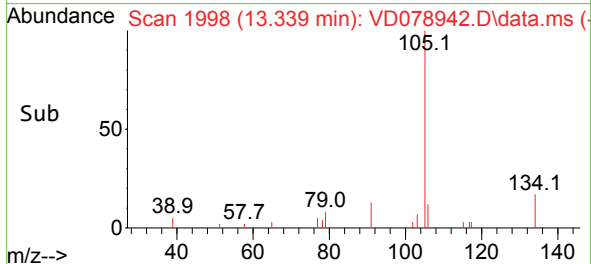
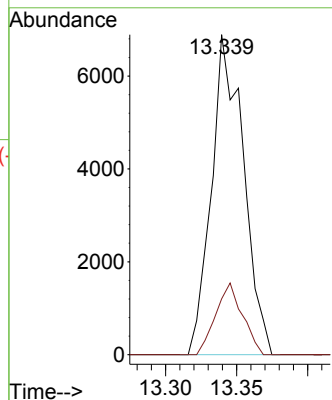
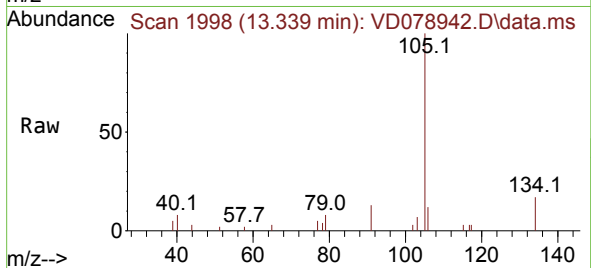




#85
sec-Butylbenzene
Concen: 2.044 ug/l
RT: 13.339 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

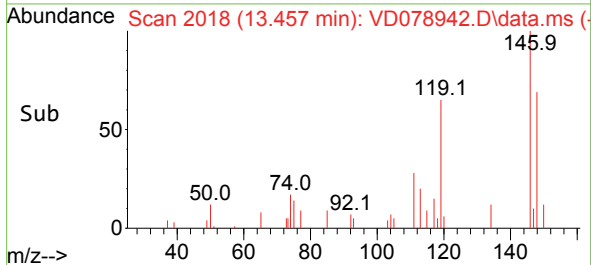
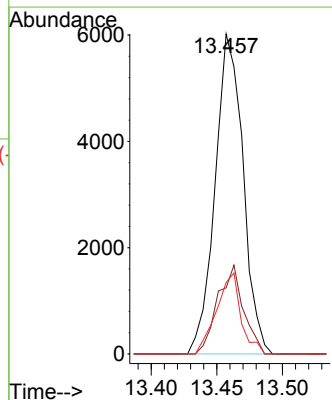
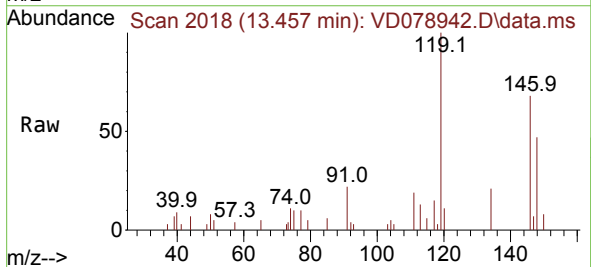
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2024

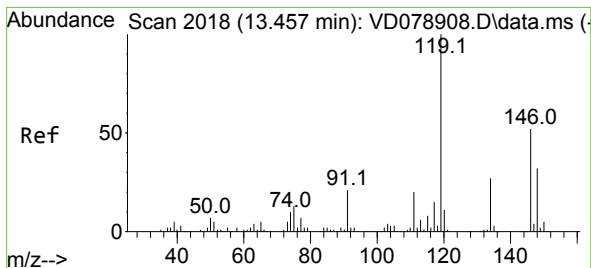
Tgt Ion:105 Resp: 10782
Ion Ratio Lower Upper
105 100
134 18.8 10.3 30.8



#86
p-Isopropyltoluene
Concen: 1.940 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078942.D
Acq: 16 May 2024 12:18

Tgt Ion:119 Resp: 8916
Ion Ratio Lower Upper
119 100
134 25.7 13.7 41.1
91 22.1 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 2.336 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

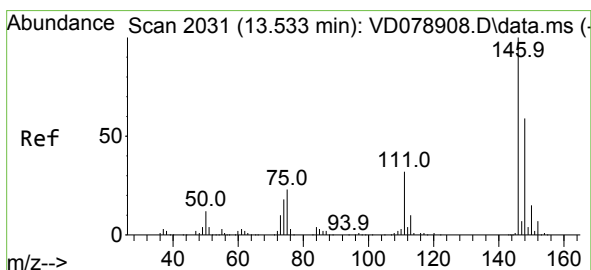
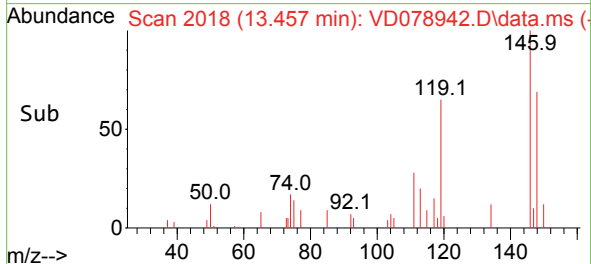
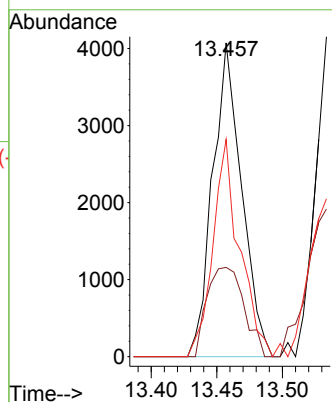
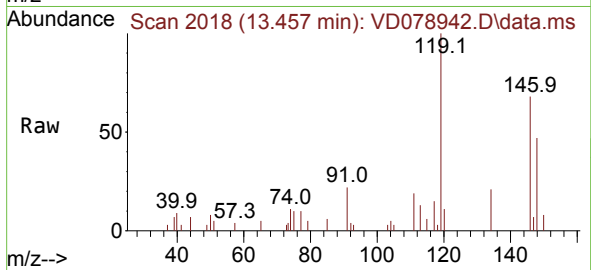
Tgt Ion:146 Resp: 6256

Ion Ratio Lower Upper

146 100

111 36.3 18.5 55.5

148 63.7 30.9 92.8



#88

1,4-Dichlorobenzene

Concen: 2.503 ug/l

RT: 13.534 min Scan# 2031

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

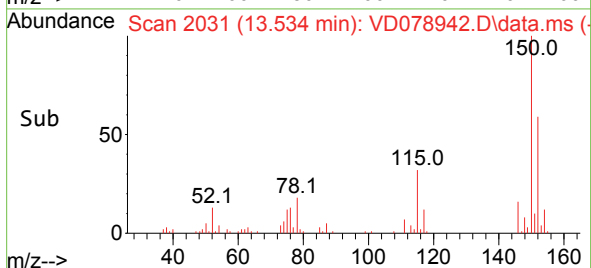
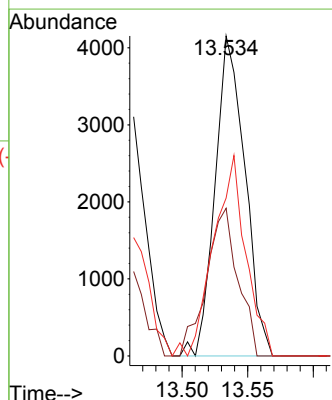
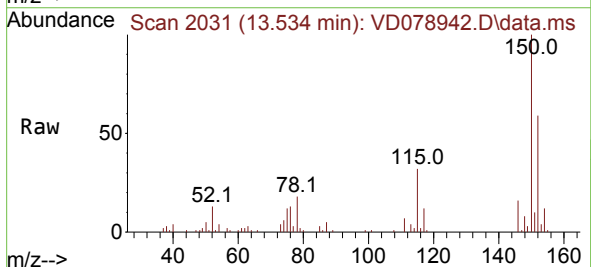
Tgt Ion:146 Resp: 6563

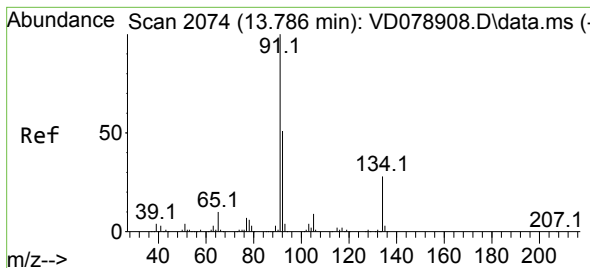
Ion Ratio Lower Upper

146 100

111 48.8 17.5 52.6

148 66.9 31.4 94.2





#89

n-Butylbenzene

Concen: 2.064 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

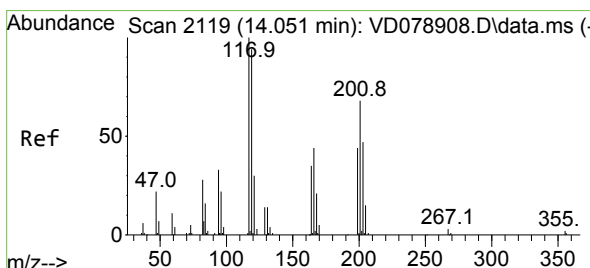
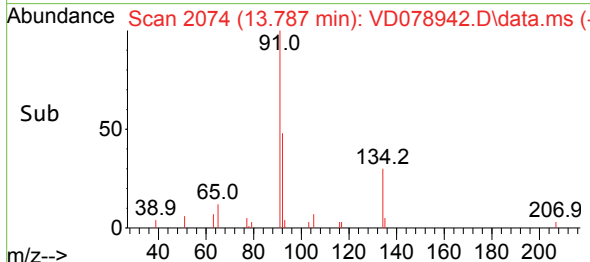
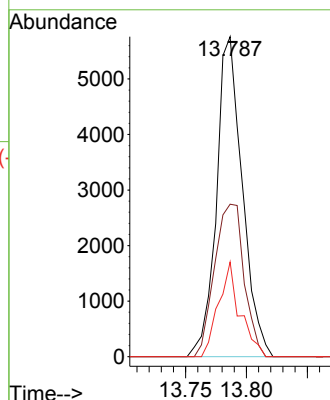
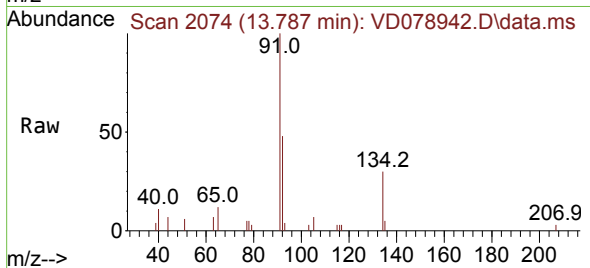
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	91	Resp:	8498
Ion	Ratio	Lower	Upper
91	100		
92	54.5	25.7	77.0
134	24.7	13.6	40.8



#90

Hexachloroethane

Concen: 2.783 ug/l

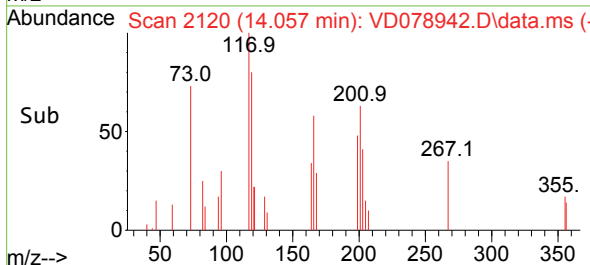
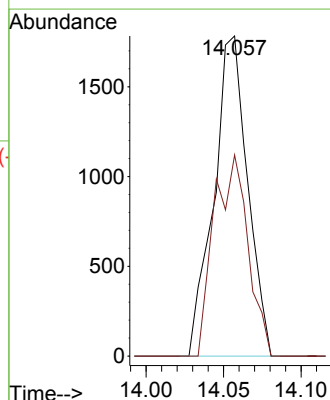
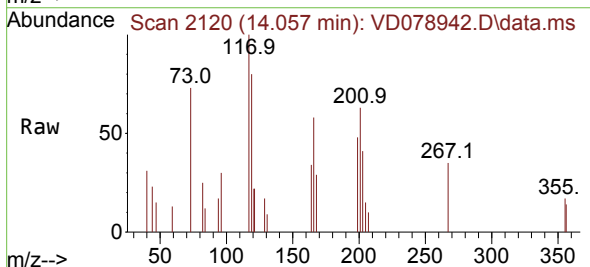
RT: 14.057 min Scan# 2120

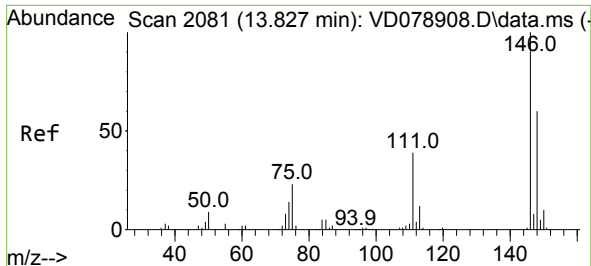
Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Tgt Ion:	117	Resp:	2698
Ion	Ratio	Lower	Upper
117	100		
201	63.4	36.3	108.9





#91

1,2-Dichlorobenzene

Concen: 2.557 ug/l

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

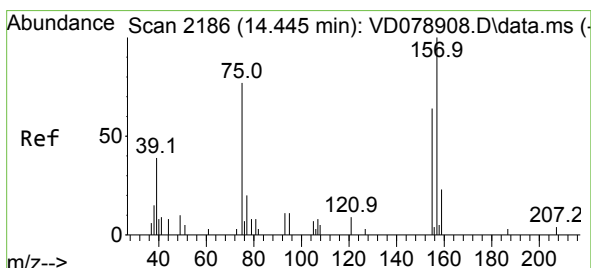
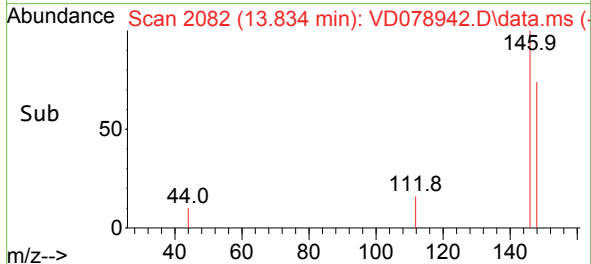
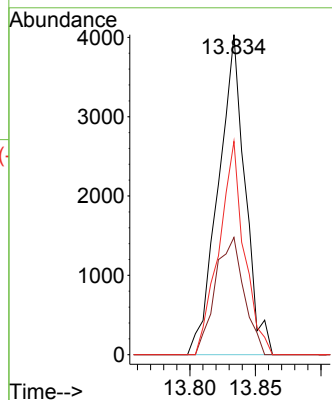
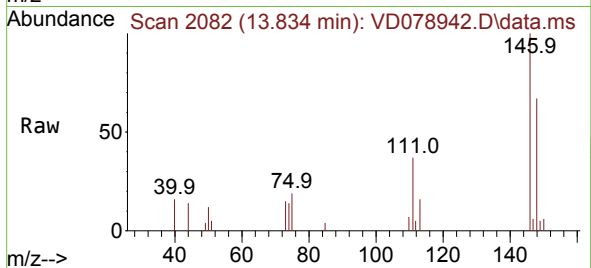
Tgt Ion:146 Resp: 5730

Ion Ratio Lower Upper

146 100

111 39.4 19.1 57.1

148 62.9 31.1 93.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.522 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

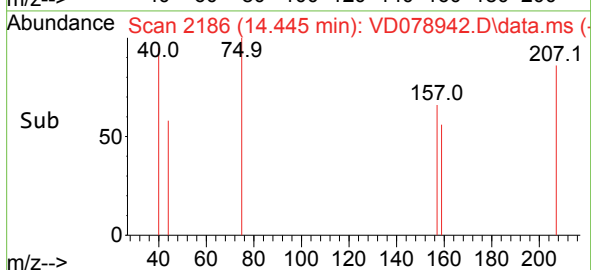
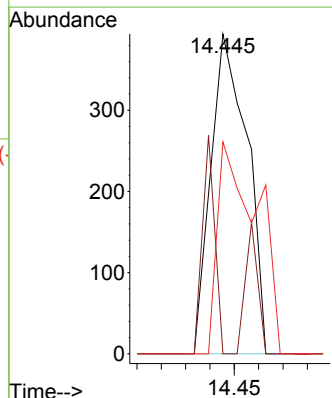
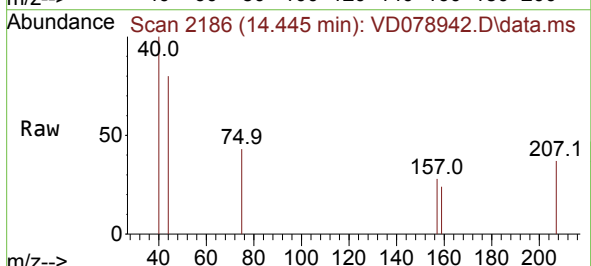
Tgt Ion: 75 Resp: 407

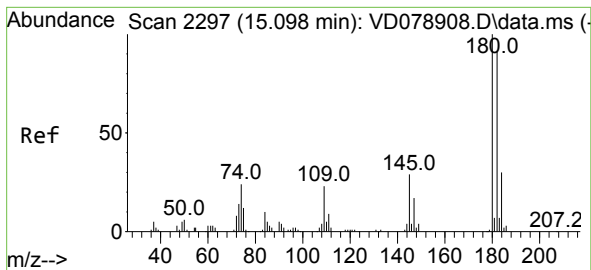
Ion Ratio Lower Upper

75 100

155 23.3 47.7 143.1#

157 72.2 63.4 190.2





#93

1,2,4-Trichlorobenzene

Concen: 2.115 ug/l

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

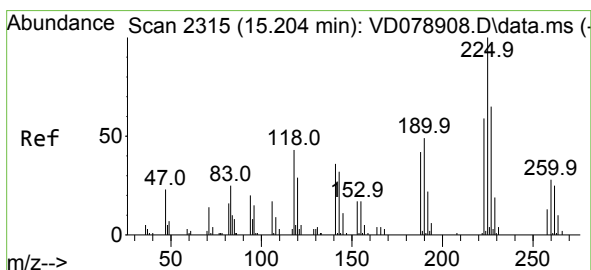
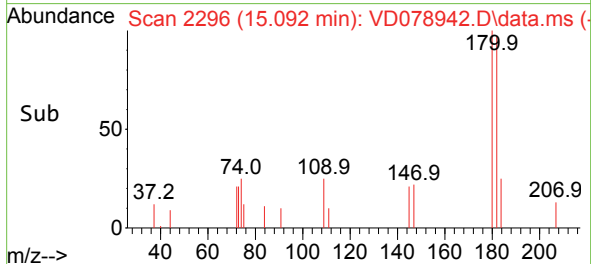
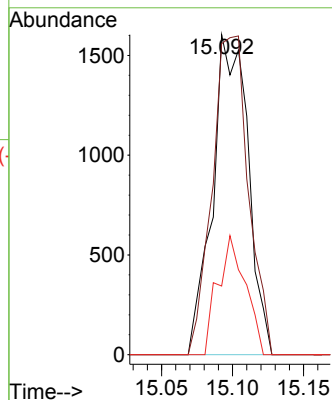
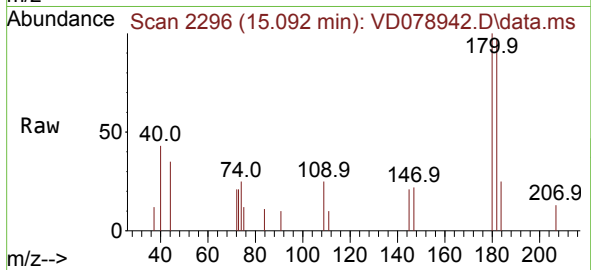
Tgt Ion:180 Resp: 2782

Ion Ratio Lower Upper

180 100

182 101.9 46.9 140.7

145 28.9 14.0 41.9



#94

Hexachlorobutadiene

Concen: 2.118 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

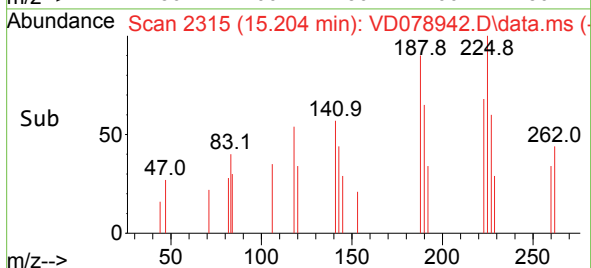
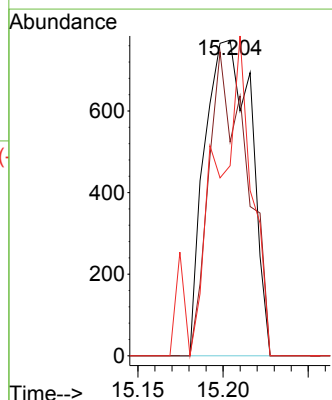
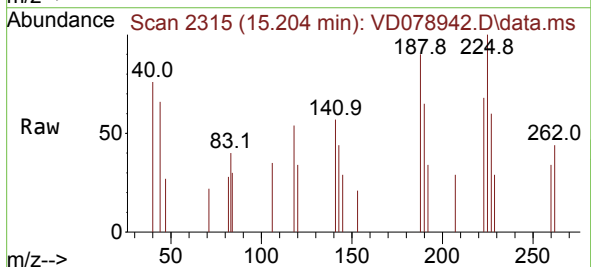
Tgt Ion:225 Resp: 1456

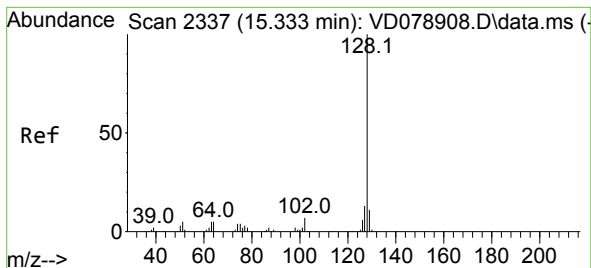
Ion Ratio Lower Upper

225 100

223 79.7 33.3 99.9

227 80.9 33.6 100.6





#95

Naphthalene

Concen: 2.231 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

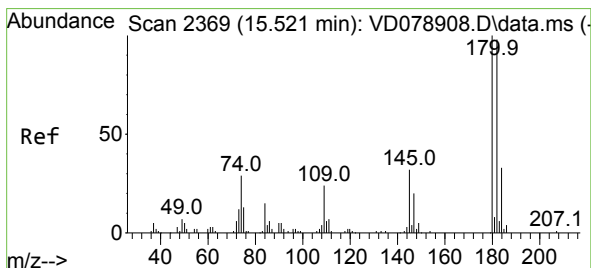
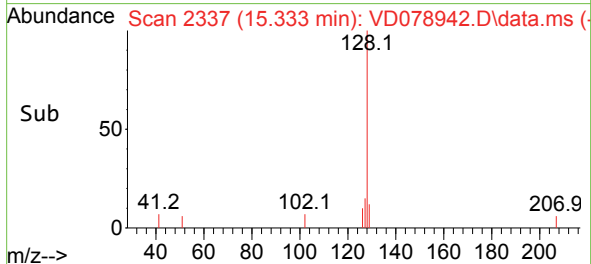
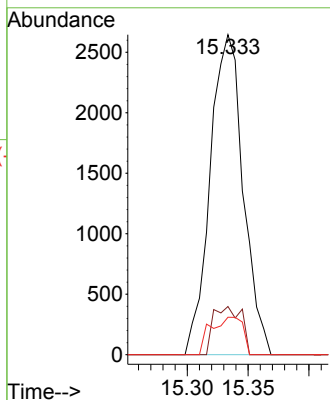
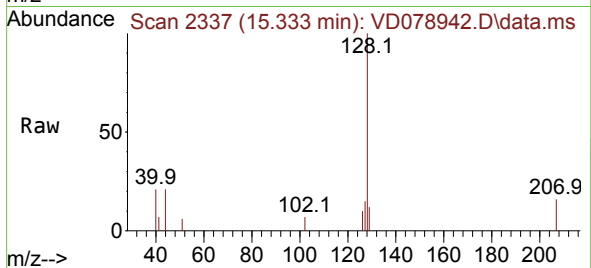
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	128	Resp:	5000
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	11.7	8.5	12.7



#96

1,2,3-Trichlorobenzene

Concen: 2.652 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD078942.D

Acq: 16 May 2024 12:18

Tgt Ion:	180	Resp:	3104
Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.8	143.3
145	24.3	16.1	48.2

