

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031323\
 Data File : VD075509.D
 Acq On : 13 Mar 2023 15:09
 Operator : KP/SY
 Sample : 01627-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Mar 14 05:59:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 23:52:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	98172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	174199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	153928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	70450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	51646	57.977	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.960%
35) Dibromofluoromethane	7.810	113	64196	53.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.620%
50) Toluene-d8	10.275	98	254508	53.999	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.000%
62) 4-Bromofluorobenzene	12.575	95	66958	49.143	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	4626	4.725	ug/l	89
3) Chloromethane	2.152	50	7796	2.102	ug/l	95
4) Vinyl Chloride	2.287	62	10893	4.623	ug/l	96
5) Bromomethane	2.699	94	8316	4.505	ug/l	96
6) Chloroethane	2.840	64	7487	4.744	ug/l	98
7) Trichlorofluoromethane	3.175	101	8615	4.537	ug/l	91
8) Diethyl Ether	3.599	74	1942	3.831	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.963	101	5113	4.138	ug/l	98
10) Methyl Iodide	4.169	142	6055	4.108	ug/l #	85
11) Tert butyl alcohol	5.075	59	657	15.972	ug/l #	100
12) 1,1-Dichloroethene	3.946	96	5180	4.245	ug/l	98
13) Acrolein	3.805	56	1640	20.037	ug/l	100
14) Allyl chloride	4.569	41	4114	3.919	ug/l #	84
15) Acrylonitrile	5.252	53	3652	19.647	ug/l	94
16) Acetone	4.022	43	3198	4.851	ug/l	99
17) Carbon Disulfide	4.275	76	16390	4.452	ug/l	98
18) Methyl Acetate	4.575	43	2139	4.536	ug/l #	84
19) Methyl tert-butyl Ether	5.316	73	4865	2.299	ug/l	94
20) Methylene Chloride	4.805	84	13767	5.785	ug/l #	66
21) trans-1,2-Dichloroethene	5.316	96	5613	4.047	ug/l #	71
22) Diisopropyl ether	6.222	45	8786	3.861	ug/l #	90
23) Vinyl Acetate	6.152	43	15981	14.471	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	8723	4.426	ug/l	98
25) 2-Butanone	7.087	43	4708	22.666	ug/l	96
26) 2,2-Dichloropropane	7.087	77	8128	4.484	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	6150	4.137	ug/l	85
28) Bromochloromethane	7.422	49	2569	4.043	ug/l #	42
29) Tetrahydrofuran	7.451	42	1952	17.267	ug/l #	57
30) Chloroform	7.598	83	10119	4.623	ug/l	94
31) Cyclohexane	7.881	56	8205	5.171	ug/l #	69
32) 1,1,1-Trichloroethane	7.793	97	8199	4.272	ug/l	97
36) 1,1-Dichloropropene	8.016	75	6969	3.942	ug/l	93
37) Ethyl Acetate	7.181	43	1759	3.818	ug/l #	80
38) Carbon Tetrachloride	7.993	117	6238	3.682	ug/l	99
39) Methylcyclohexane	9.275	83	8448	3.790	ug/l	93
40) Benzene	8.257	78	21622	4.081	ug/l	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	949	3.909	ug/l #	26
42) 1,2-Dichloroethane	8.334	62	4981	4.270	ug/l	88
43) Isopropyl Acetate	8.369	43	3349	3.929	ug/l #	84
44) Trichloroethene	9.028	130	6104	3.920	ug/l	86
45) 1,2-Dichloropropane	9.304	63	4475	3.929	ug/l #	85
46) Dibromomethane	9.393	93	2873	4.092	ug/l	96
47) Bromodichloromethane	9.587	83	7002	4.119	ug/l	94
48) Methyl methacrylate	9.381	41	1239	3.094	ug/l #	58
49) 1,4-Dioxane	9.393	88	300	47.105	ug/l #	21
51) 4-Methyl-2-Pentanone	10.163	43	7659	17.276	ug/l #	80
52) Toluene	10.334	92	13638	3.972	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	6003	3.925	ug/l	98
54) cis-1,3-Dichloropropene	10.022	75	6886	3.666	ug/l #	76
55) 1,1,2-Trichloroethane	10.740	97	4059	4.084	ug/l	92
56) Ethyl methacrylate	10.604	69	3152	3.331	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	6197	4.052	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	7789	16.818	ug/l #	84
59) 2-Hexanone	10.922	43	5092	16.242	ug/l	78
60) Dibromochloromethane	11.081	129	4565	3.888	ug/l	99
61) 1,2-Dibromoethane	11.181	107	3865	4.129	ug/l	95
64) Tetrachloroethene	10.810	164	5110	4.207	ug/l	92
65) Chlorobenzene	11.610	112	14752	4.041	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.687	131	4957	3.964	ug/l	94
67) Ethyl Benzene	11.687	91	22809	3.628	ug/l #	88
68) m/p-Xylenes	11.798	106	17730	7.017	ug/l	92
69) o-Xylene	12.128	106	7929	3.379	ug/l	92
70) Styrene	12.134	104	12596	3.227	ug/l	92
71) Bromoform	12.304	173	2386	3.736	ug/l #	98
73) Isopropylbenzene	12.422	105	20533	3.639	ug/l	99
74) N-amyl acetate	12.234	43	2554	3.654	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	4189	4.378	ug/l #	92
76) 1,2,3-Trichloropropane	12.728	75	4608	7.975	ug/l #	100
77) Bromobenzene	12.704	156	5210	3.884	ug/l	90
78) n-propylbenzene	12.769	91	26952	3.932	ug/l	100
79) 2-Chlorotoluene	12.857	91	14784	3.980	ug/l	97
80) 1,3,5-Trimethylbenzene	12.910	105	17424	3.766	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	1240	4.514	ug/l #	58
82) 4-Chlorotoluene	12.951	91	14670	3.827	ug/l	93
83) tert-Butylbenzene	13.169	119	13946	3.468	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	15345	3.432	ug/l	87
85) sec-Butylbenzene	13.345	105	22820	3.666	ug/l	97
86) p-Isopropyltoluene	13.463	119	17867	3.513	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	10835	3.908	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	11184	4.078	ug/l	94
89) n-Butylbenzene	13.786	91	17276	3.703	ug/l	99
90) Hexachloroethane	14.057	117	3747	3.815	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	8976	3.826	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	508	4.219	ug/l	83
93) 1,2,4-Trichlorobenzene	15.104	180	5280	3.859	ug/l	97
94) Hexachlorobutadiene	15.204	225	2506	3.840	ug/l	92
95) Naphthalene	15.339	128	9035	3.597	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	4360	3.693	ug/l	97

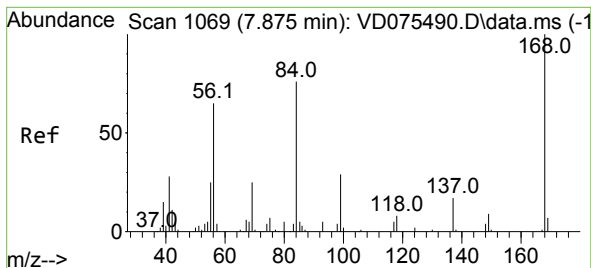
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

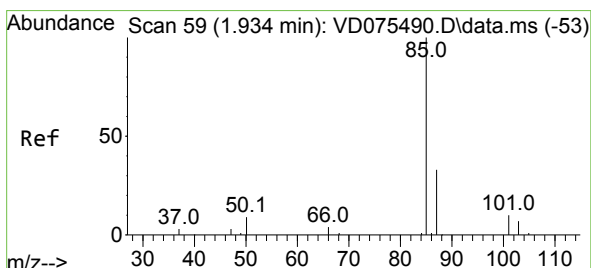
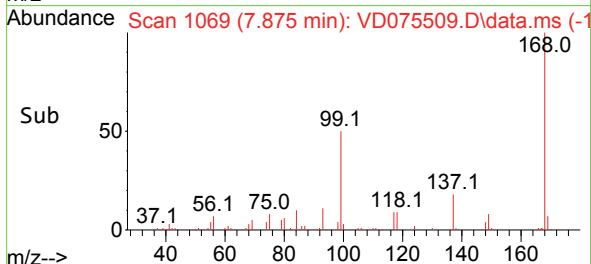
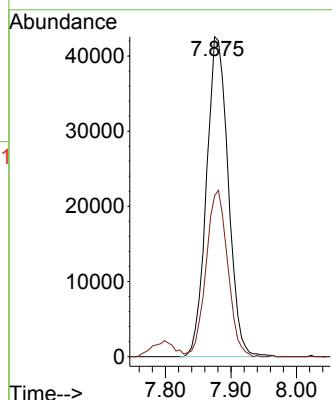
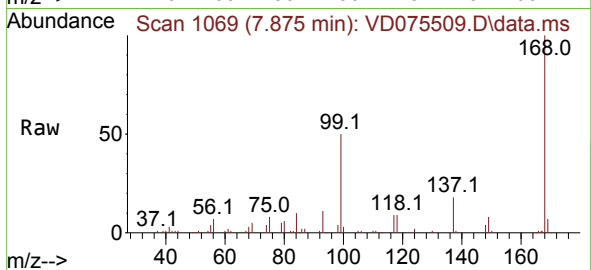
MDL-SOIL-03-QT1-2022

Tgt Ion:168 Resp: 98172

Ion Ratio Lower Upper

168 100

99 50.2 43.8 65.6



#2

Dichlorodifluoromethane

Concen: 4.725 ug/l

RT: 1.934 min Scan# 59

Delta R.T. -0.000 min

Lab File: VD075509.D

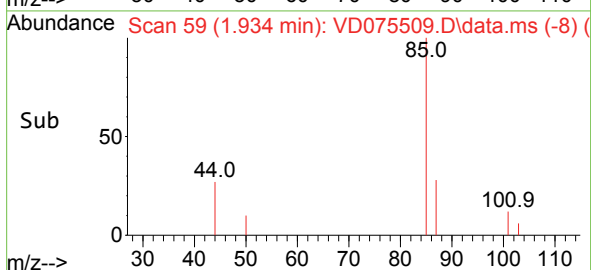
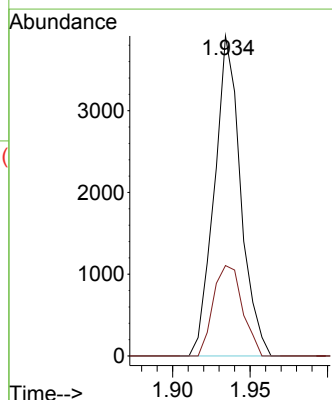
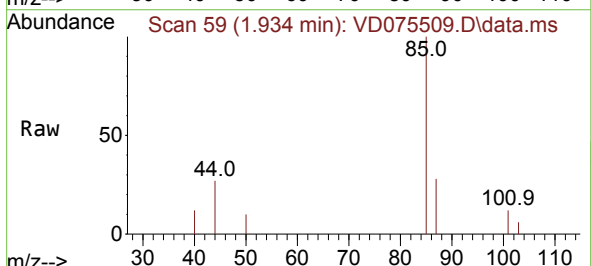
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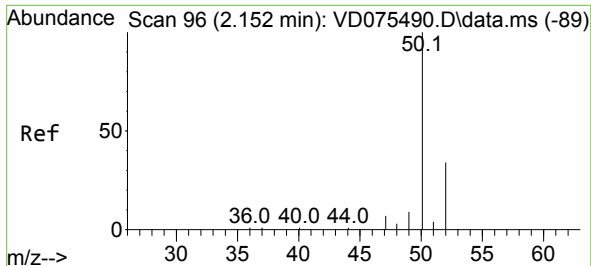
Tgt Ion: 85 Resp: 4626

Ion Ratio Lower Upper

85 100

87 28.3 17.3 51.7

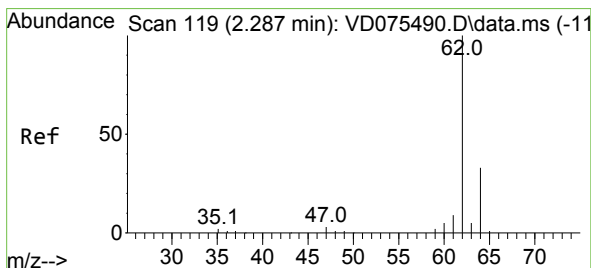
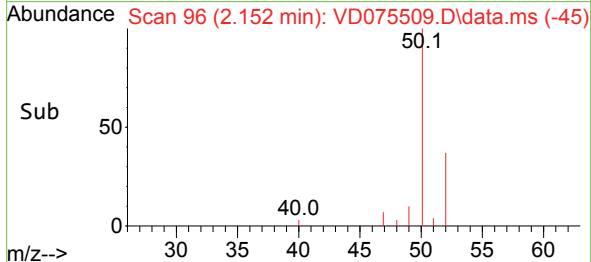
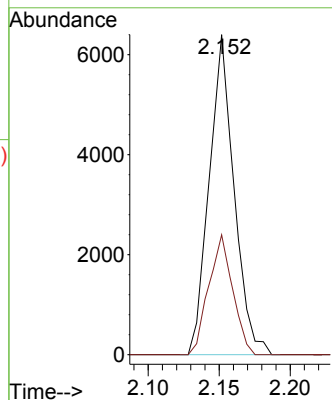
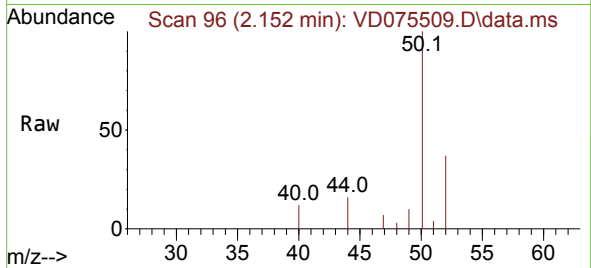




#3
Chloromethane
Concen: 2.102 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

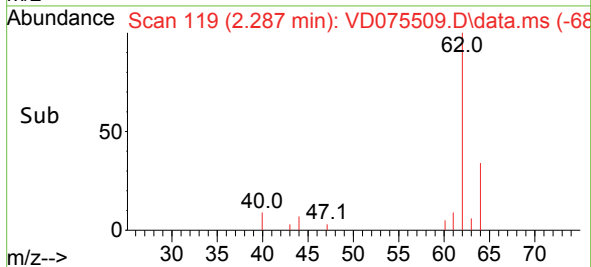
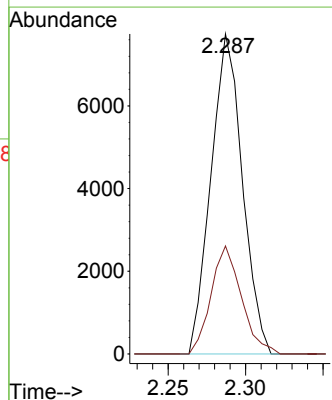
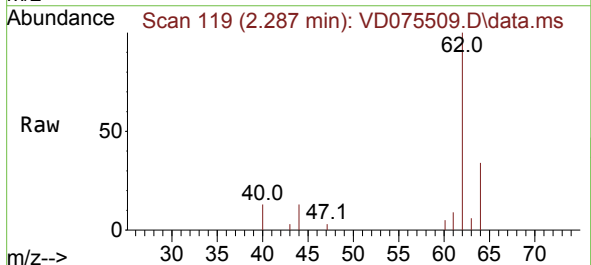
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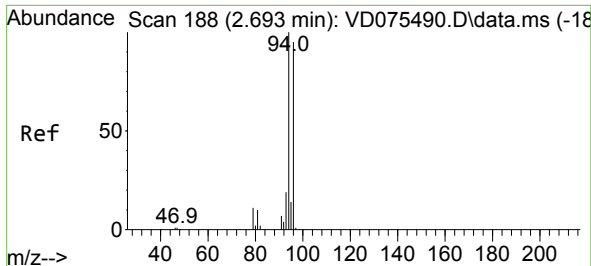
Tgt Ion: 50 Resp: 7796
Ion Ratio Lower Upper
50 100
52 37.4 27.8 41.8



#4
Vinyl Chloride
Concen: 4.623 ug/l
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 62 Resp: 10893
Ion Ratio Lower Upper
62 100
64 33.7 25.4 38.0

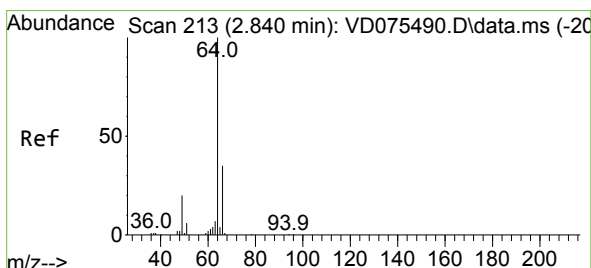
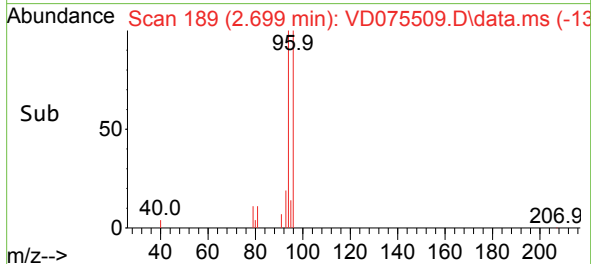
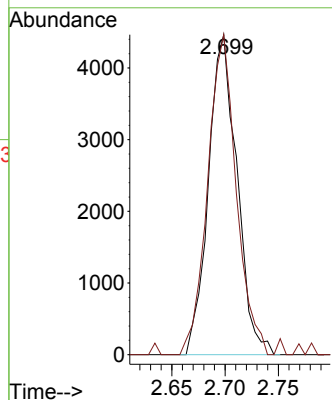
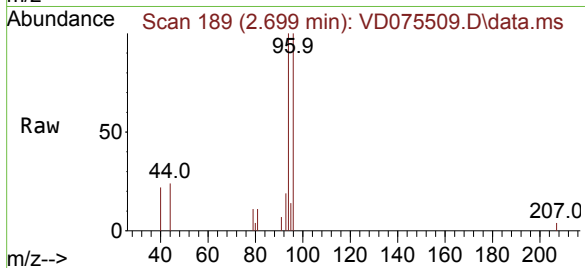




#5
Bromomethane
Concen: 4.505 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

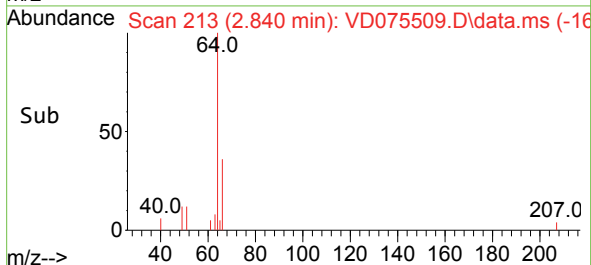
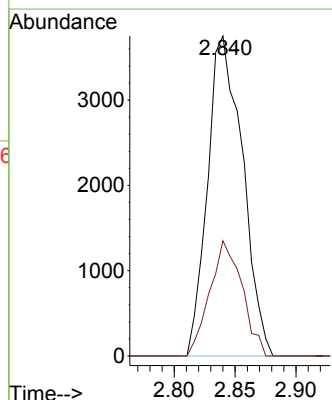
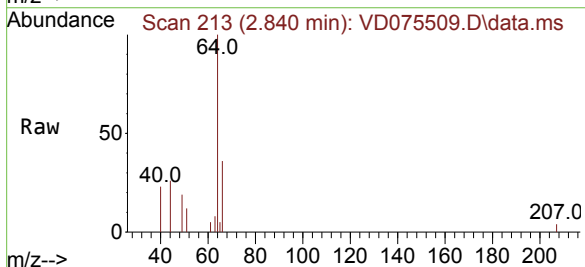
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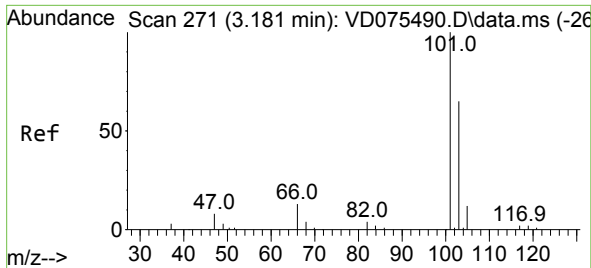
Tgt Ion: 94 Resp: 8316
Ion Ratio Lower Upper
94 100
96 100.4 77.5 116.3



#6
Chloroethane
Concen: 4.744 ug/l
RT: 2.840 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 64 Resp: 7487
Ion Ratio Lower Upper
64 100
66 36.0 27.7 41.5

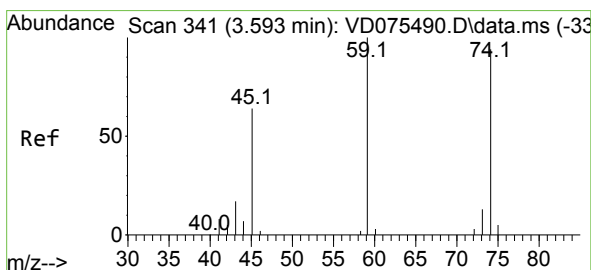
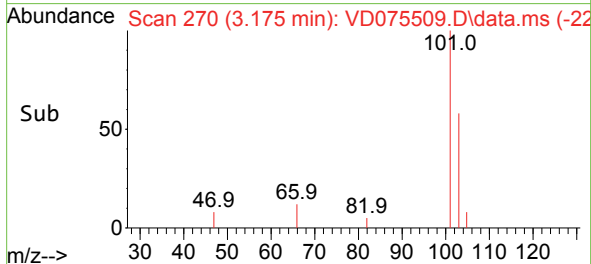
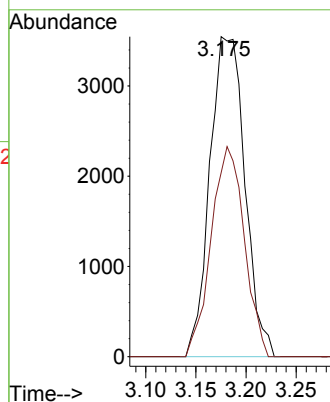
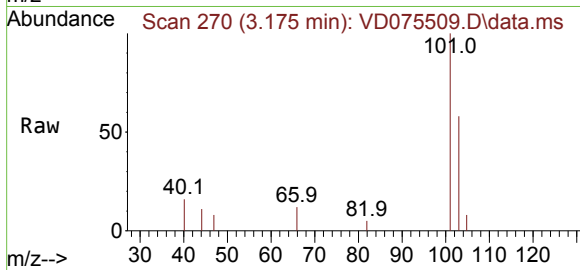




#7
Trichlorofluoromethane
Concen: 4.537 ug/l
RT: 3.175 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

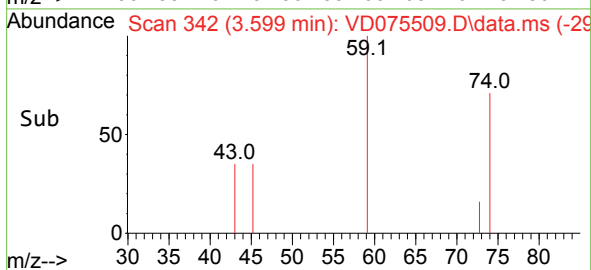
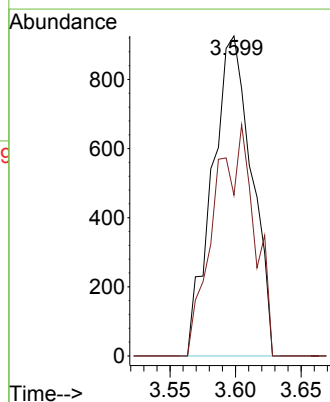
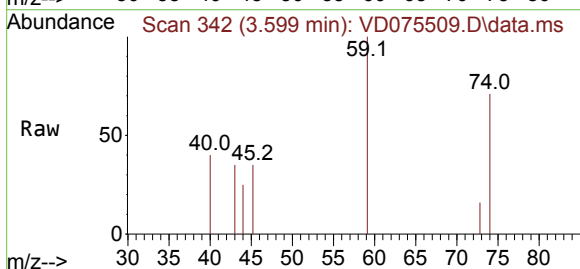
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT1-2022

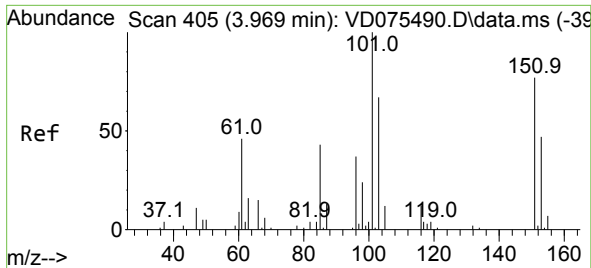
Tgt Ion:101 Resp: 8615
Ion Ratio Lower Upper
101 100
103 57.5 51.9 77.9



#8
Diethyl Ether
Concen: 3.831 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 74 Resp: 1942
Ion Ratio Lower Upper
74 100
45 74.0 50.9 152.7

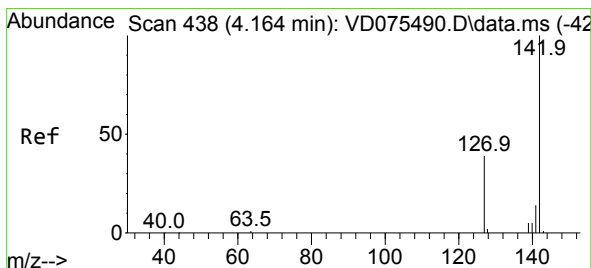
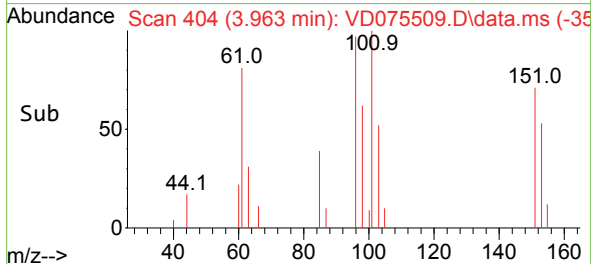
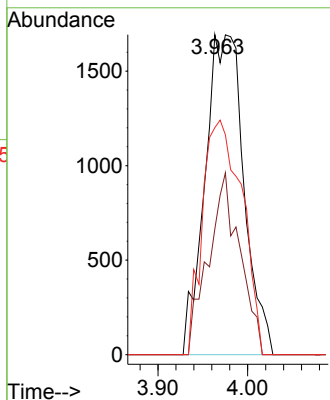
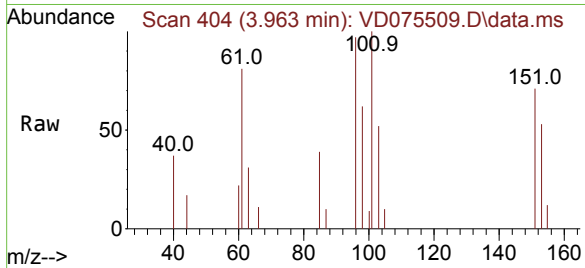




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.138 ug/l
RT: 3.963 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

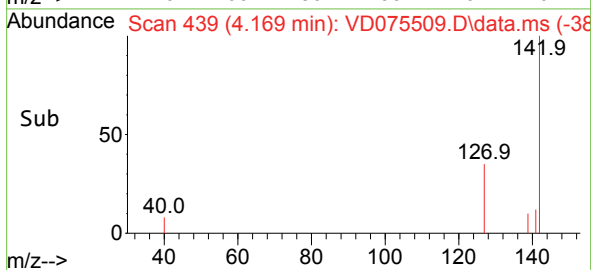
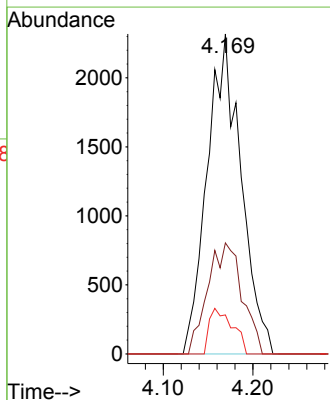
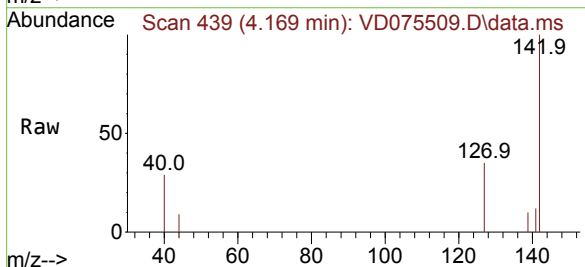
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

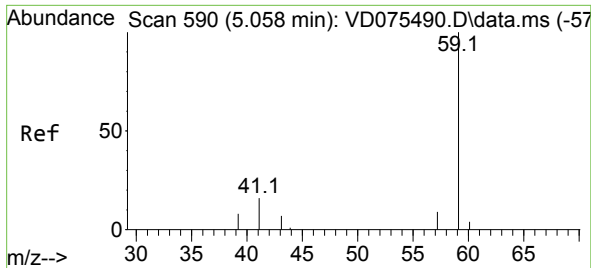
Tgt Ion:101 Resp: 5113
Ion Ratio Lower Upper
101 100
85 46.0 38.3 57.5
151 74.2 60.4 90.6



#10
Methyl Iodide
Concen: 4.108 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:142 Resp: 6055
Ion Ratio Lower Upper
142 100
127 35.3 37.1 55.7#
141 9.8 11.3 16.9#

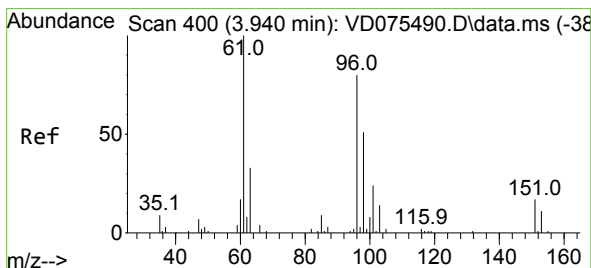
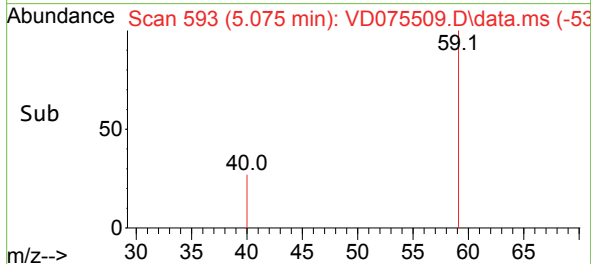
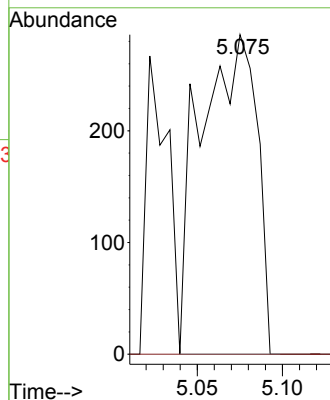
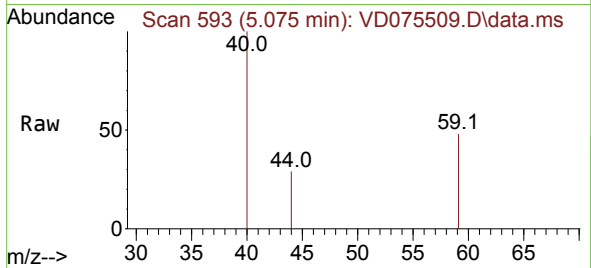




#11
Tert butyl alcohol
Concen: 15.972 ug/l
RT: 5.075 min Scan# 593
Delta R.T. 0.017 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

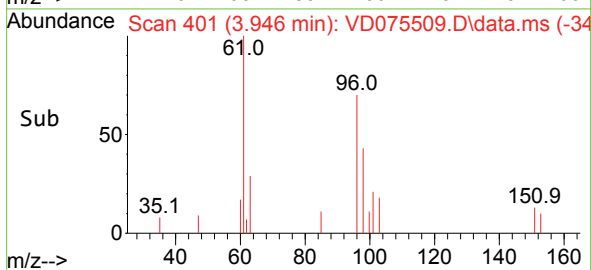
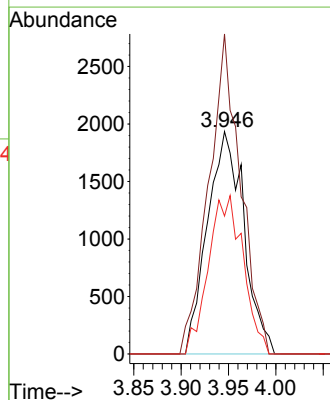
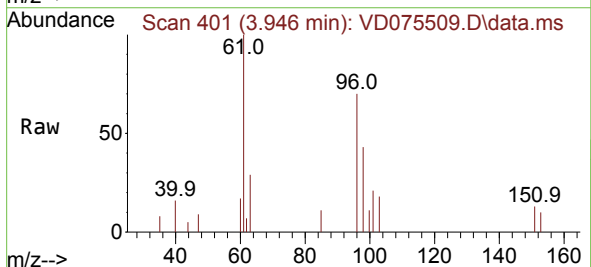
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

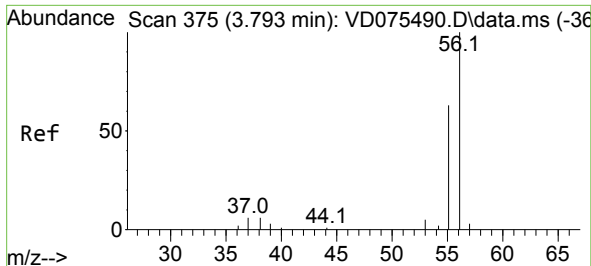
Tgt Ion: 59 Resp: 657
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 4.245 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 96 Resp: 5180
Ion Ratio Lower Upper
96 100
61 143.8 118.6 177.8
98 62.0 49.7 74.5

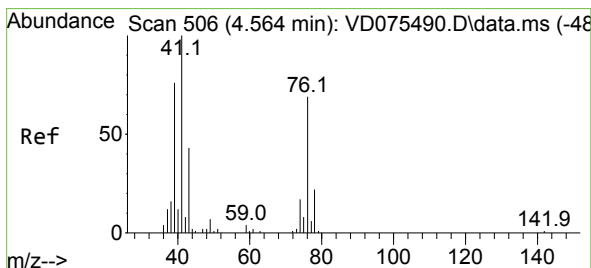
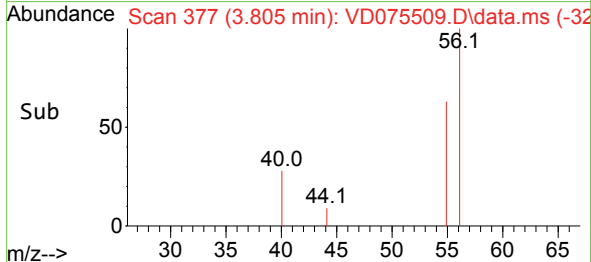
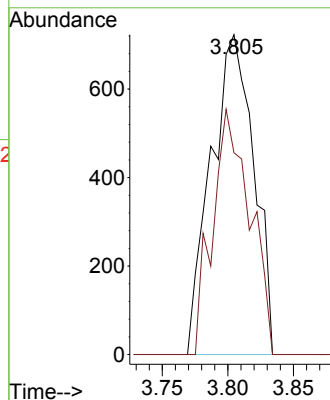
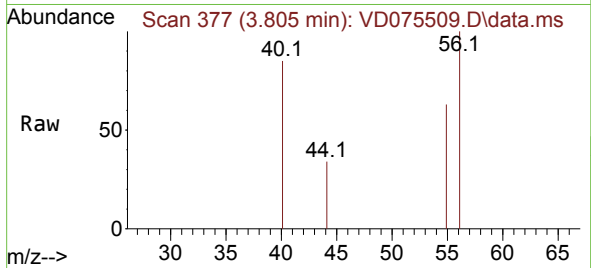




#13
Acrolein
Concen: 20.037 ug/l
RT: 3.805 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

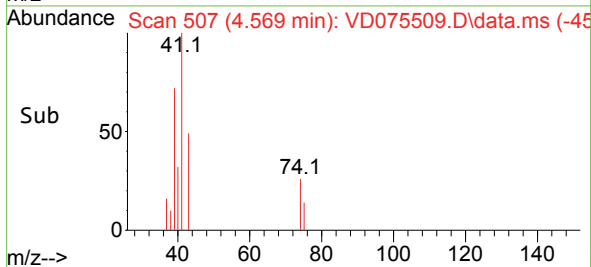
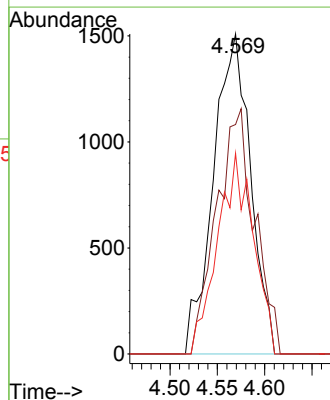
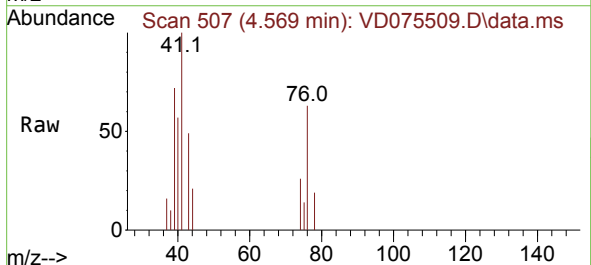
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

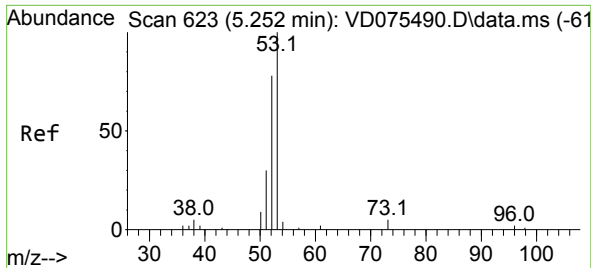
Tgt Ion: 56 Resp: 1640
Ion Ratio Lower Upper
56 100
55 67.1 53.9 80.9



#14
Allyl chloride
Concen: 3.919 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 41 Resp: 4114
Ion Ratio Lower Upper
41 100
39 78.6 60.6 90.8
76 60.4 28.6 43.0#

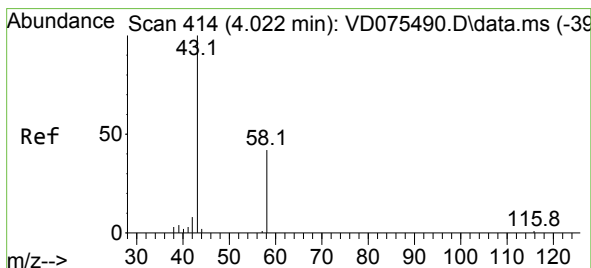
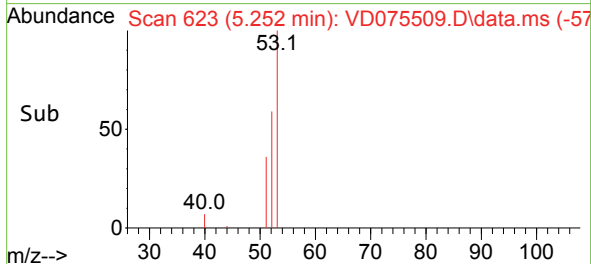
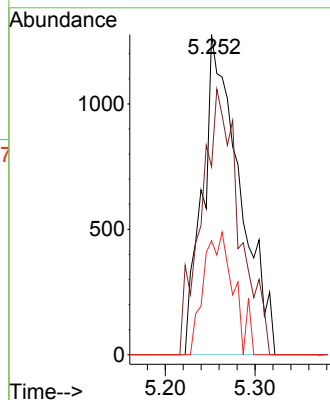
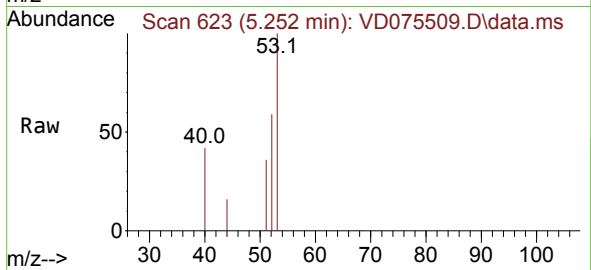




#15
Acrylonitrile
Concen: 19.647 ug/l
RT: 5.252 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

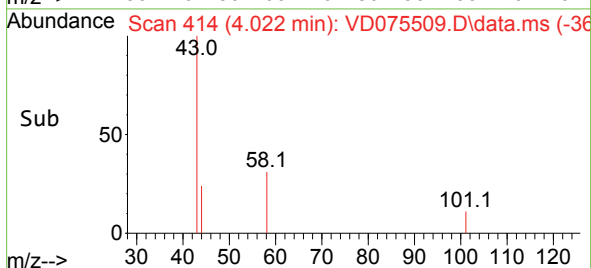
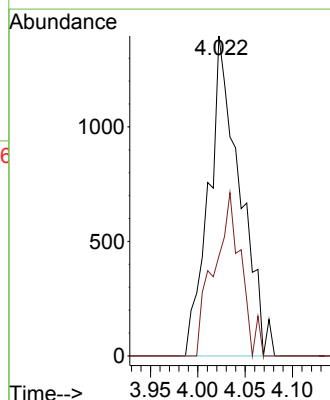
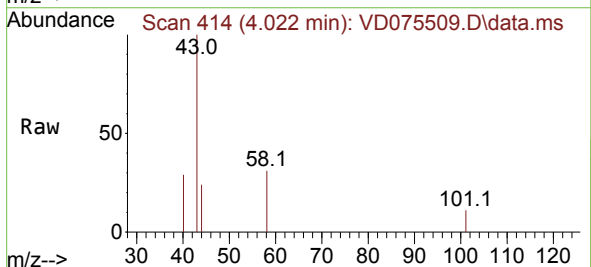
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

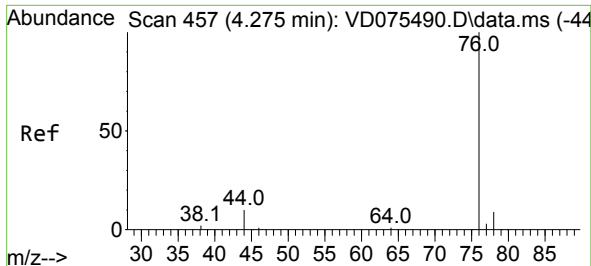
Tgt Ion:	53	Resp:	3652
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.2	99.4
51	31.1	30.7	46.1



#16
Acetone
Concen: 4.851 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:	43	Resp:	3198
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.4	36.6

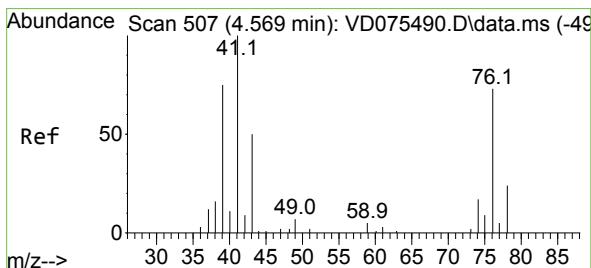
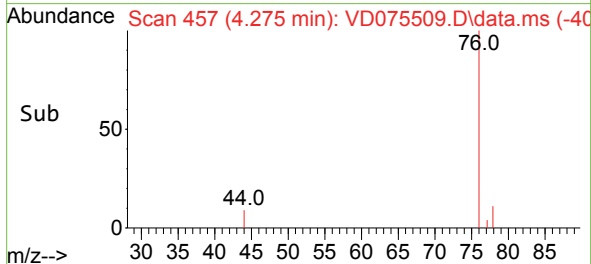
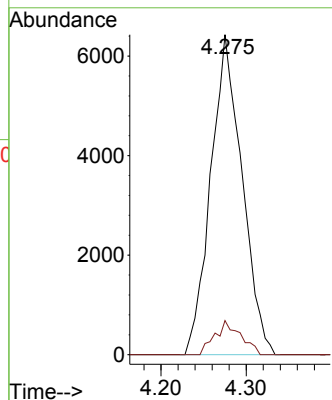
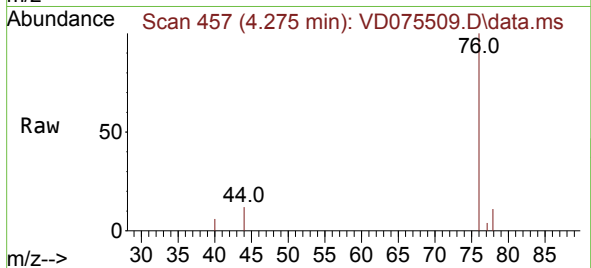




#17
Carbon Disulfide
Concen: 4.452 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

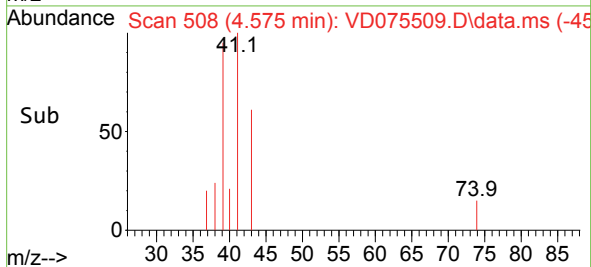
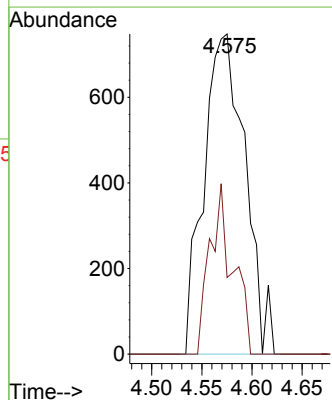
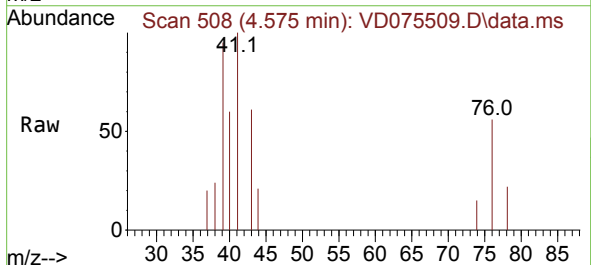
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

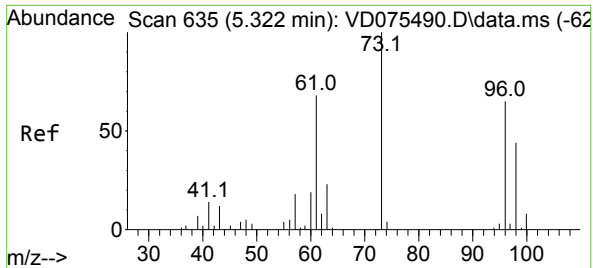
Tgt Ion: 76 Resp: 16390
Ion Ratio Lower Upper
76 100
78 10.7 8.0 12.0



#18
Methyl Acetate
Concen: 4.536 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 43 Resp: 2139
Ion Ratio Lower Upper
43 100
74 29.7 17.8 26.6#

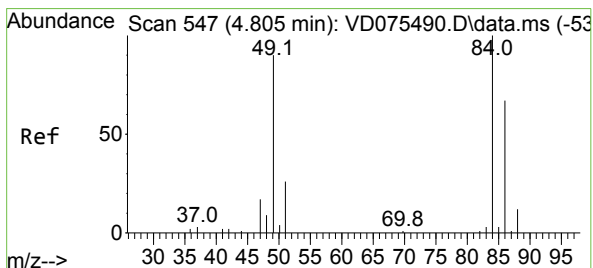
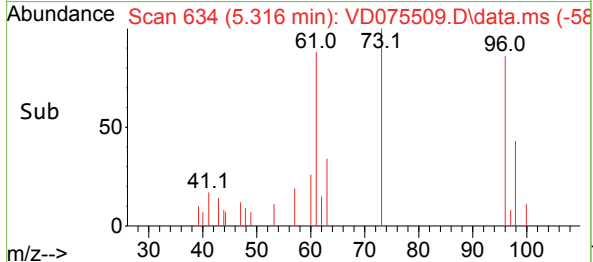
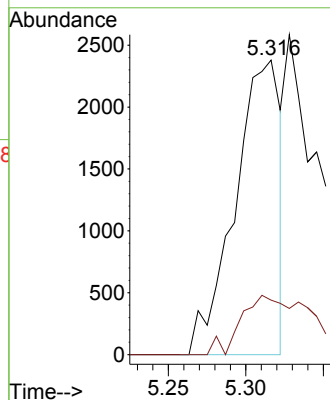
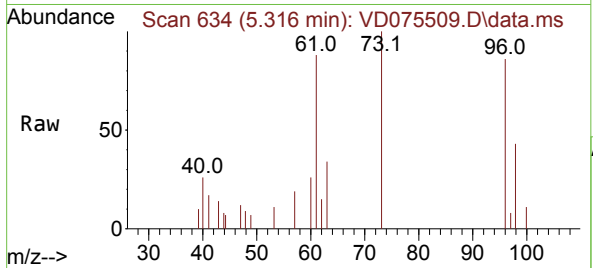




#19
Methyl tert-butyl Ether
Concen: 2.299 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

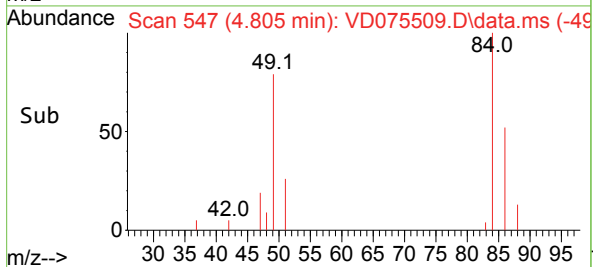
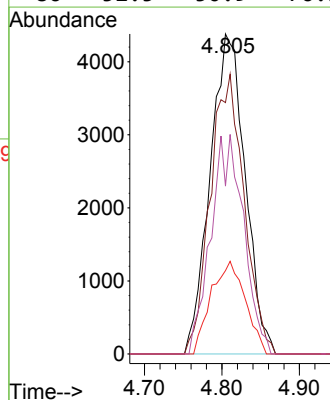
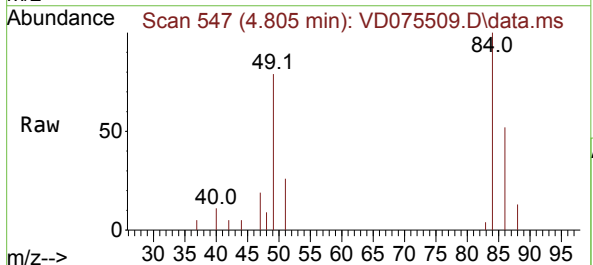
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

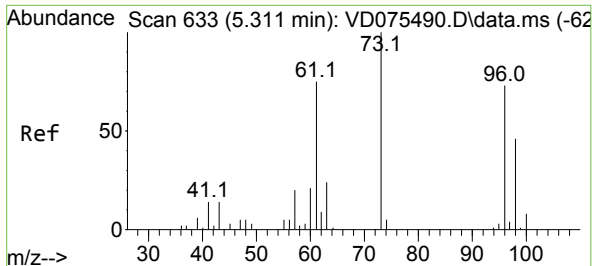
Tgt Ion: 73 Resp: 4865
Ion Ratio Lower Upper
73 100
57 18.5 17.2 25.8



#20
Methylene Chloride
Concen: 5.785 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 84 Resp: 13767
Ion Ratio Lower Upper
84 100
49 78.6 106.4 159.6#
51 26.1 32.4 48.6#
86 52.5 50.9 76.3

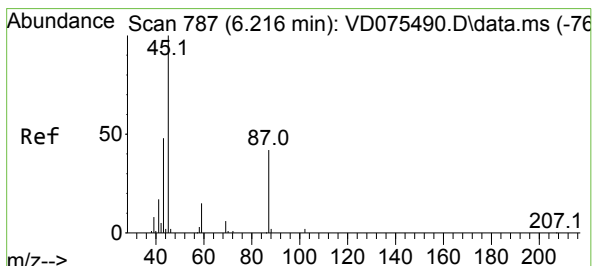
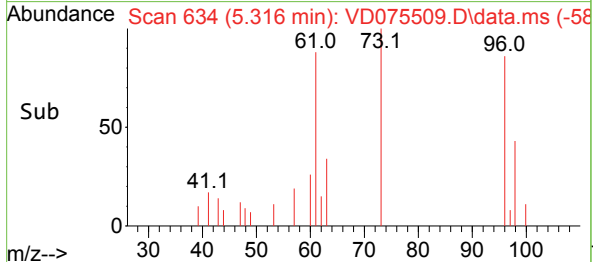
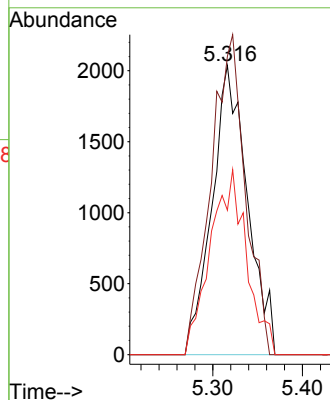
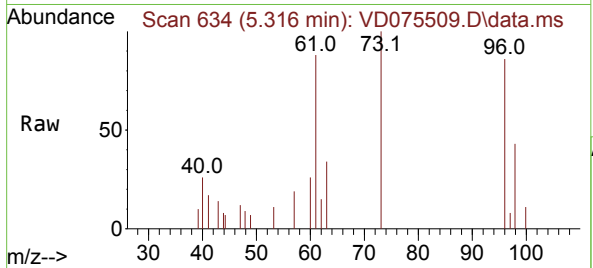




#21
trans-1,2-Dichloroethene
Concen: 4.047 ug/l
RT: 5.316 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

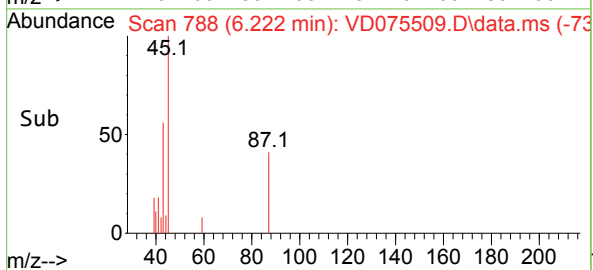
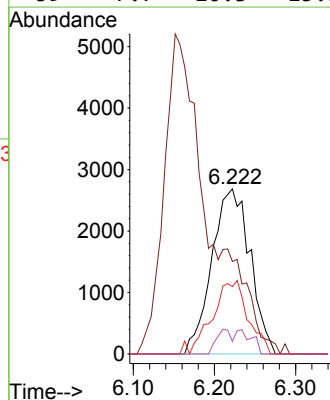
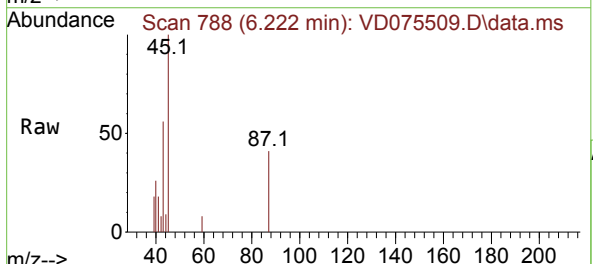
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

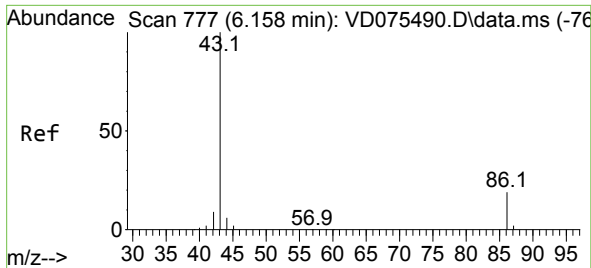
Tgt Ion: 96 Resp: 5613
Ion Ratio Lower Upper
96 100
61 103.2 117.2 175.8#
98 49.9 50.6 76.0#



#22
Diisopropyl ether
Concen: 3.861 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 45 Resp: 8786
Ion Ratio Lower Upper
45 100
43 56.1 44.4 66.6
87 40.8 20.9 31.3#
59 7.7 10.3 15.5#

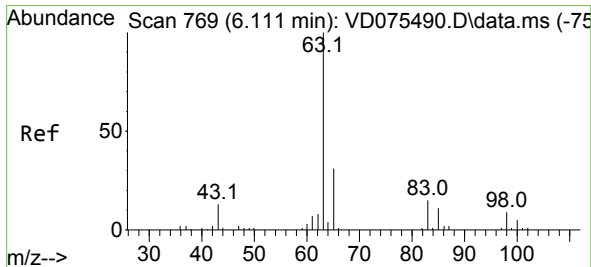
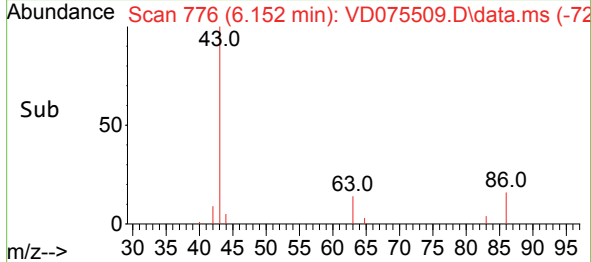
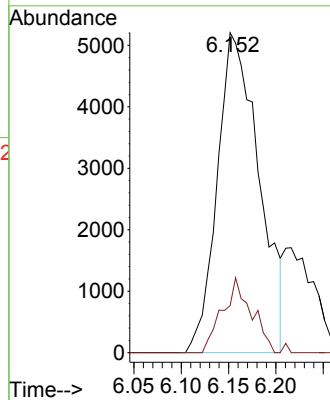
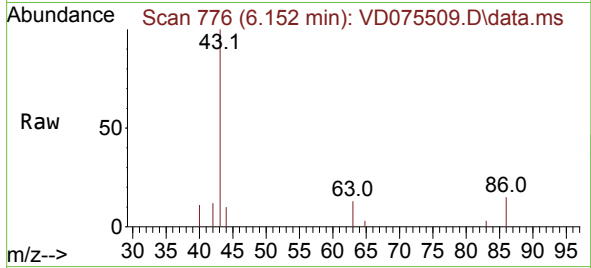




#23
Vinyl Acetate
Concen: 14.471 ug/l
RT: 6.152 min Scan# 776
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

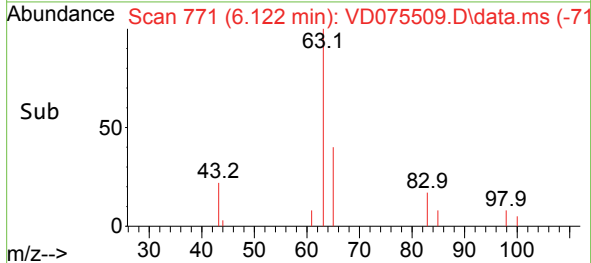
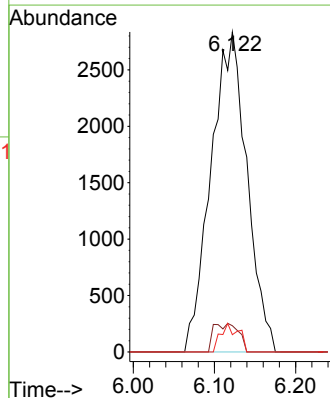
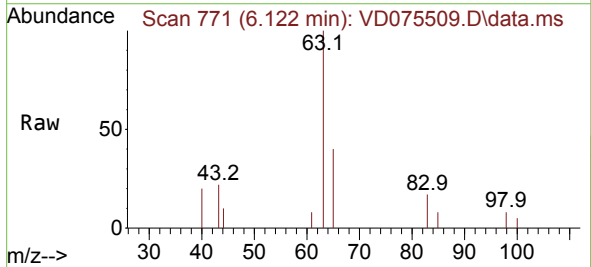
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

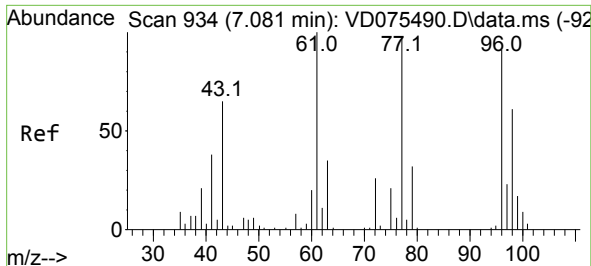
Tgt Ion: 43 Resp: 15981
Ion Ratio Lower Upper
43 100
86 14.7 9.0 13.6#



#24
1,1-Dichloroethane
Concen: 4.426 ug/l
RT: 6.122 min Scan# 771
Delta R.T. 0.012 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 63 Resp: 8723
Ion Ratio Lower Upper
63 100
98 8.2 3.9 11.7
100 5.4 2.0 6.0

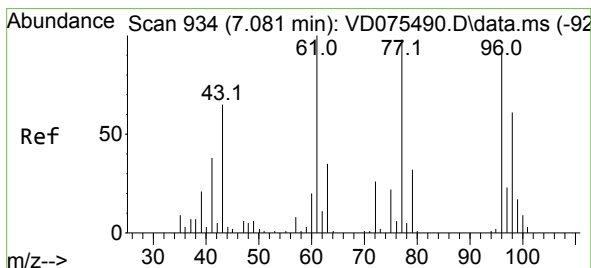
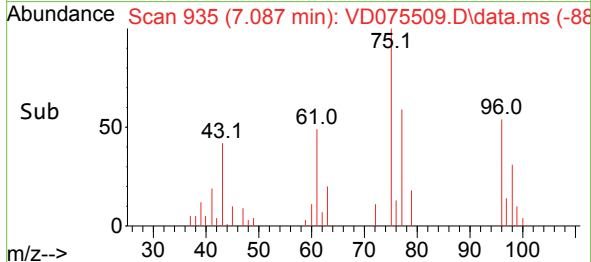
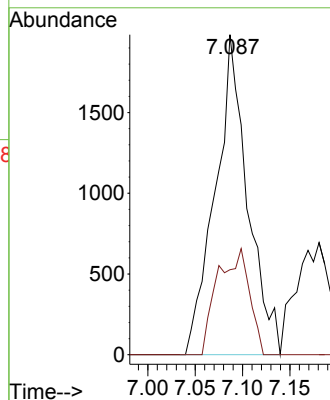
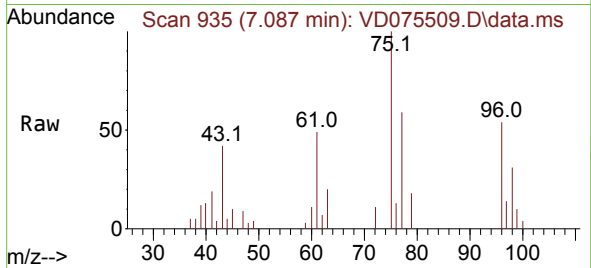




#25
2-Butanone
Concen: 22.666 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

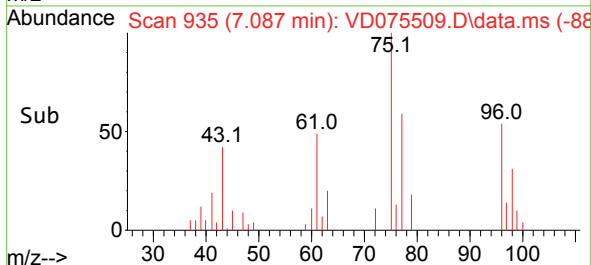
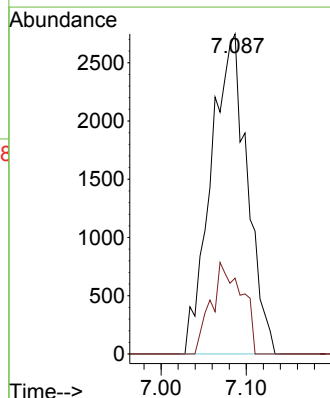
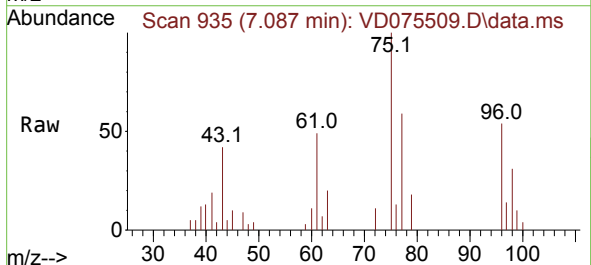
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

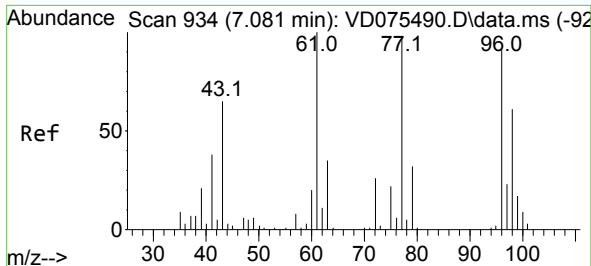
Tgt Ion: 43 Resp: 4708
Ion Ratio Lower Upper
43 100
72 26.6 19.8 29.8



#26
2,2-Dichloropropane
Concen: 4.484 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 77 Resp: 8128
Ion Ratio Lower Upper
77 100
97 24.3 11.1 33.1

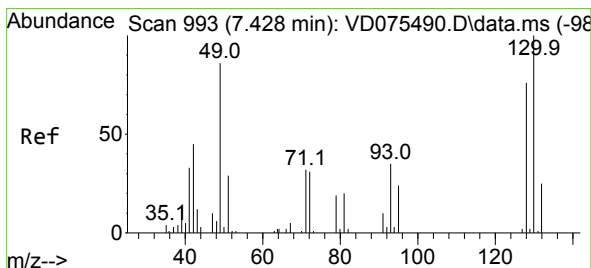
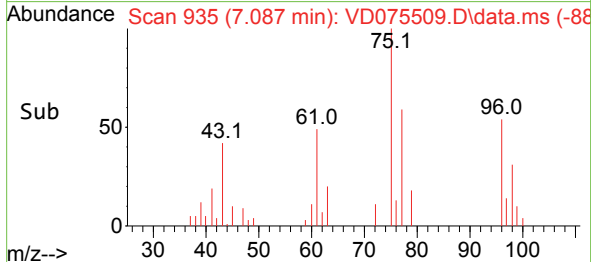
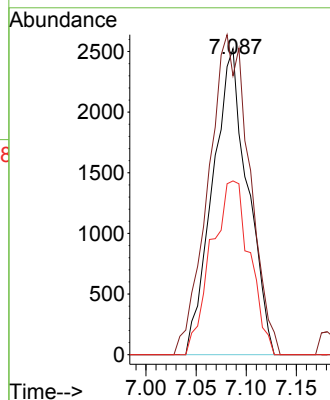
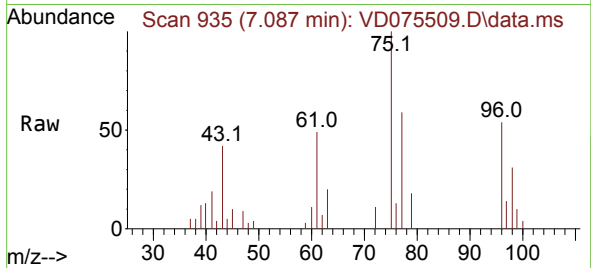




#27
 cis-1,2-Dichloroethene
 Concen: 4.137 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

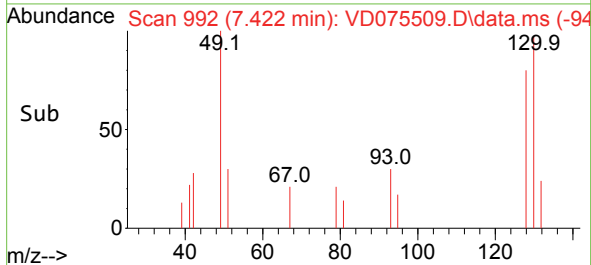
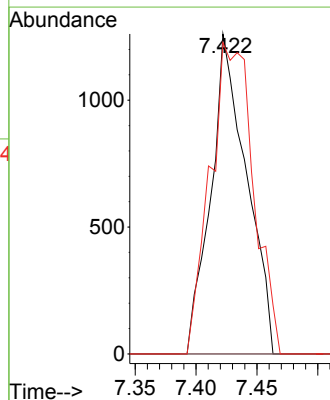
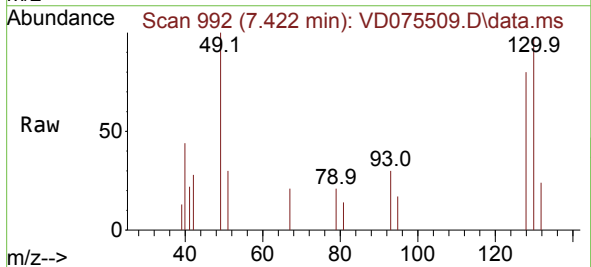
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

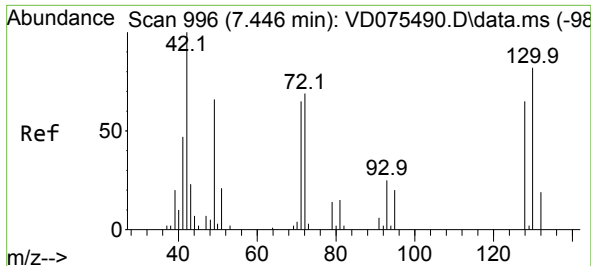
Tgt Ion: 96 Resp: 6150
 Ion Ratio Lower Upper
 96 100
 61 122.7 0.0 295.2
 98 62.0 0.0 129.2



#28
 Bromochloromethane
 Concen: 4.043 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

Tgt Ion: 49 Resp: 2569
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.2
 130 118.1 56.0 84.0#





#29

Tetrahydrofuran

Concen: 17.267 ug/l

RT: 7.451 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD075509.D

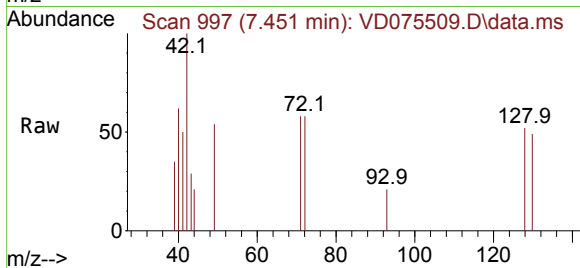
Acq: 13 Mar 2023 15:09

Instrument :

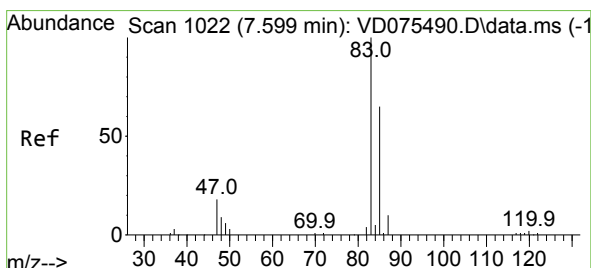
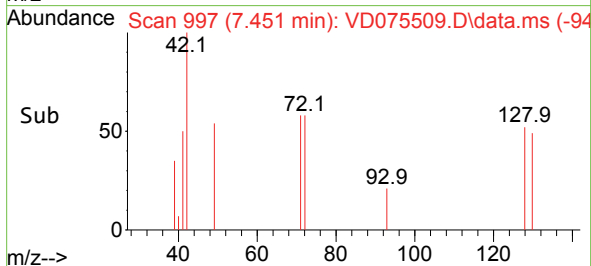
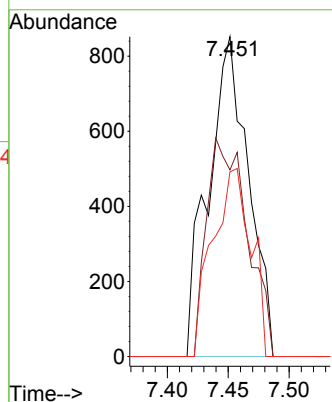
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:	42	Resp:	1952
Ion	Ratio	Lower	Upper
42	100		
72	69.3	31.8	47.6#
71	56.5	27.6	41.4#



#30

Chloroform

Concen: 4.623 ug/l

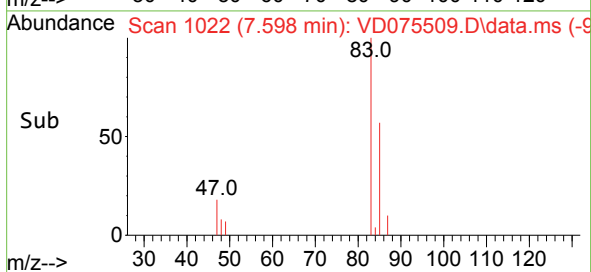
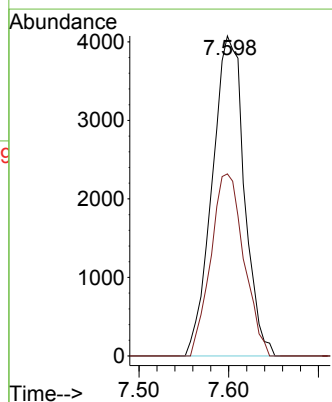
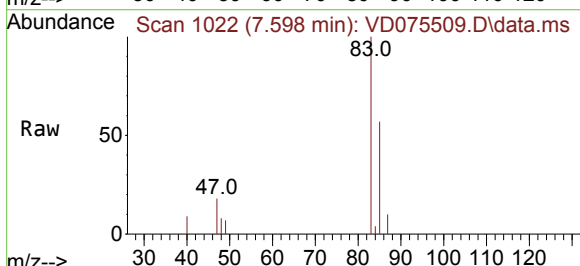
RT: 7.598 min Scan# 1022

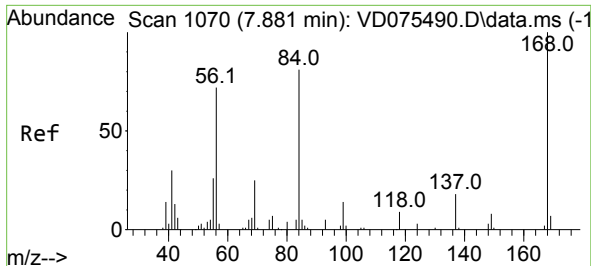
Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Tgt Ion:	83	Resp:	10119
Ion	Ratio	Lower	Upper
83	100		
85	56.9	49.4	74.2

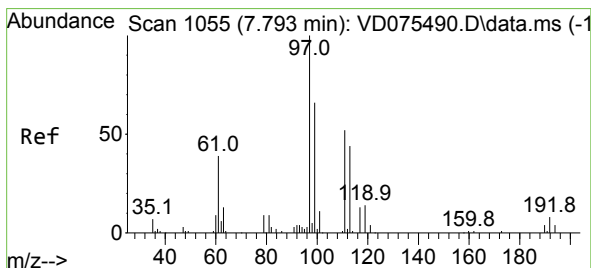
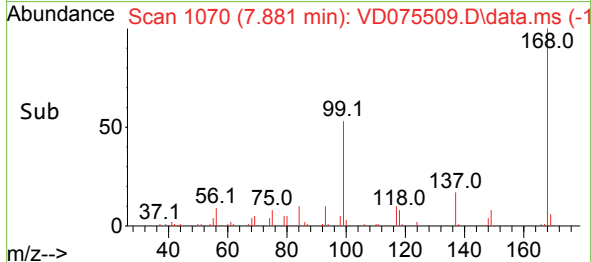
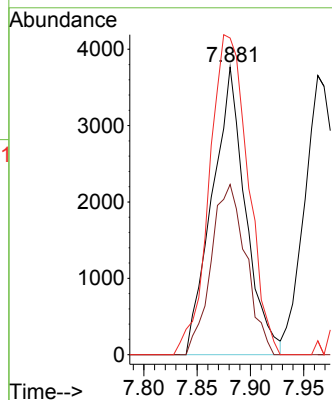
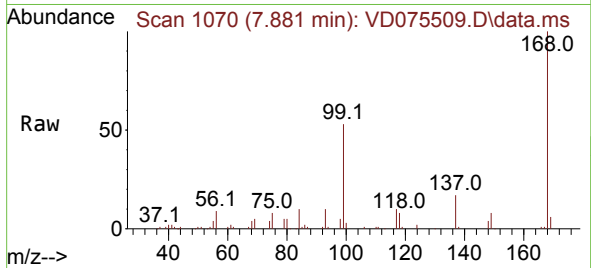




#31
Cyclohexane
Concen: 5.171 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

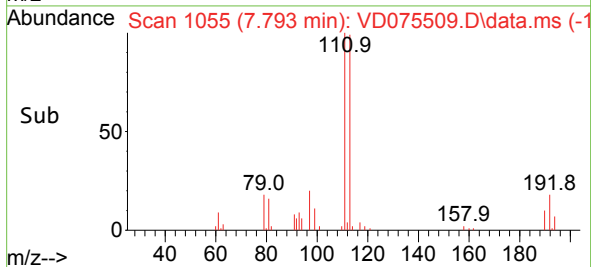
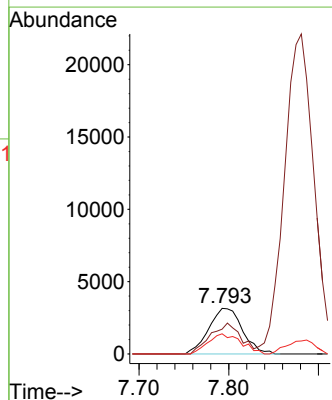
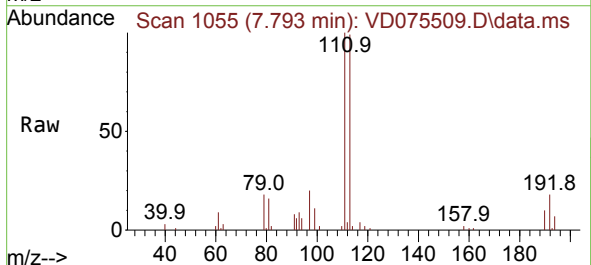
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

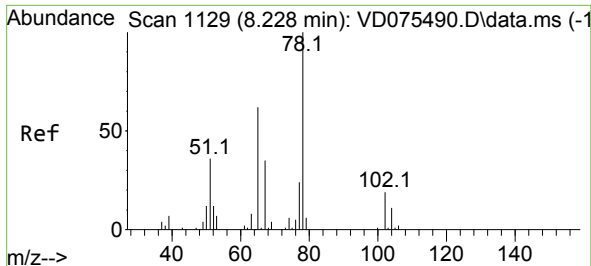
Tgt Ion: 56 Resp: 8205
Ion Ratio Lower Upper
56 100
69 59.2 25.5 38.3#
84 110.1 69.6 104.4#



#32
1,1,1-Trichloroethane
Concen: 4.272 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 97 Resp: 8199
Ion Ratio Lower Upper
97 100
99 60.9 50.5 75.7
61 43.2 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 57.977 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

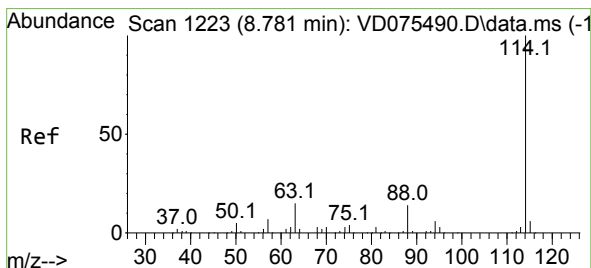
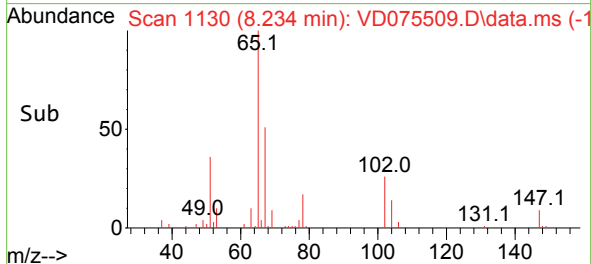
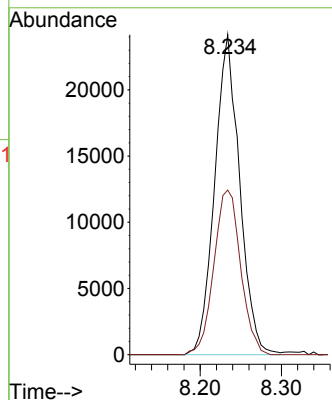
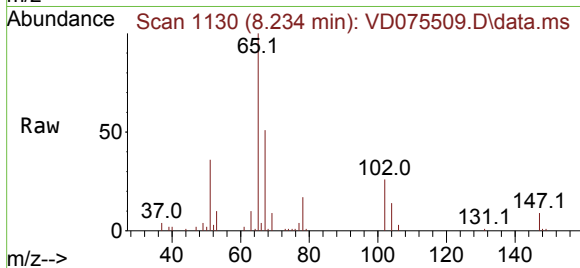
MDL-SOIL-03-QT1-2022

Tgt Ion: 65 Resp: 51646

Ion Ratio Lower Upper

65 100

67 55.2 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

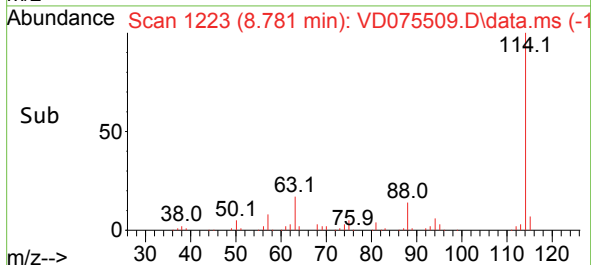
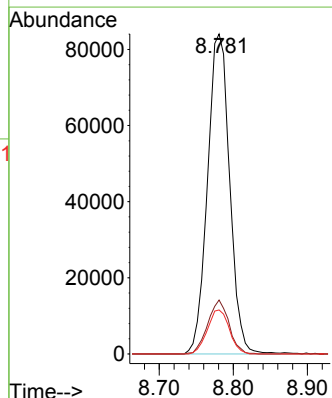
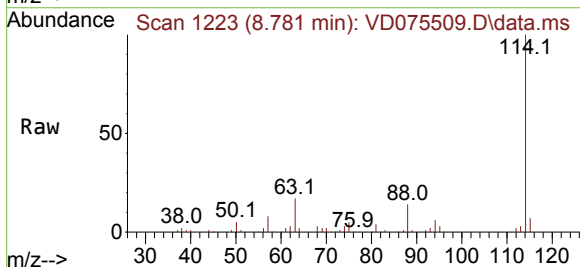
Tgt Ion: 114 Resp: 174199

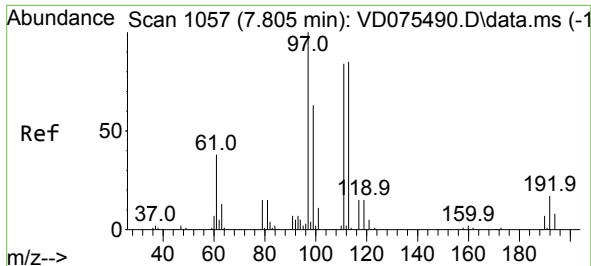
Ion Ratio Lower Upper

114 100

63 16.8 0.0 41.6

88 13.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.807 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

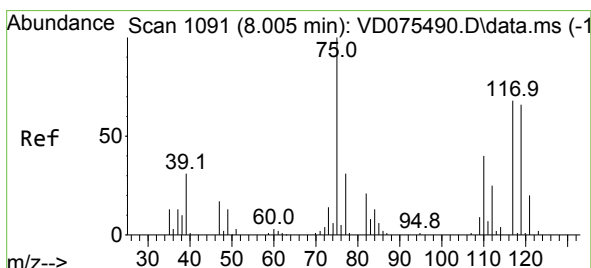
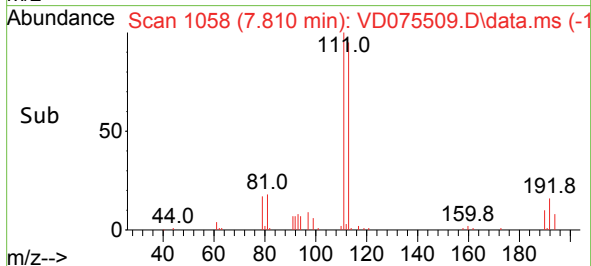
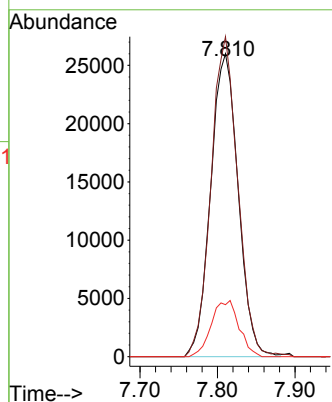
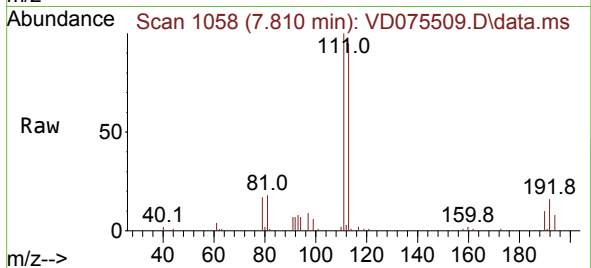
Tgt Ion:113 Resp: 64196

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 18.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.942 ug/l

RT: 8.016 min Scan# 1093

Delta R.T. 0.012 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

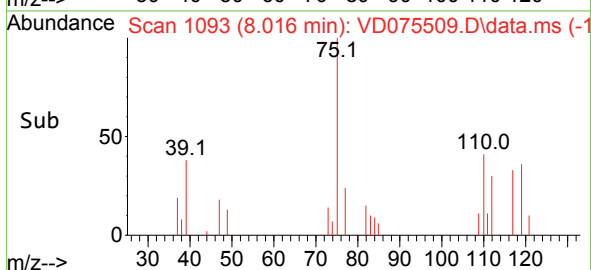
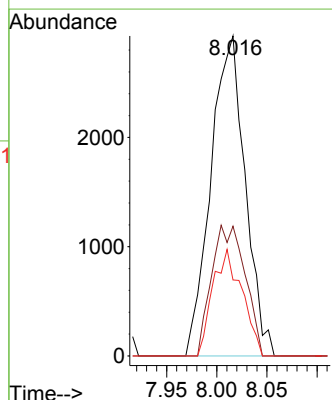
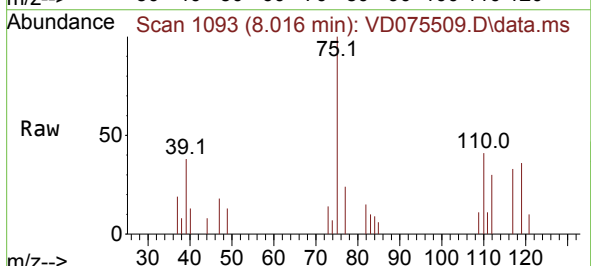
Tgt Ion: 75 Resp: 6969

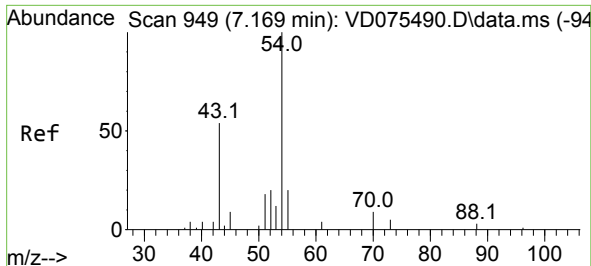
Ion Ratio Lower Upper

75 100

110 40.0 17.1 51.2

77 28.4 24.6 36.8





#37

Ethyl Acetate

Concen: 3.818 ug/l

RT: 7.181 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

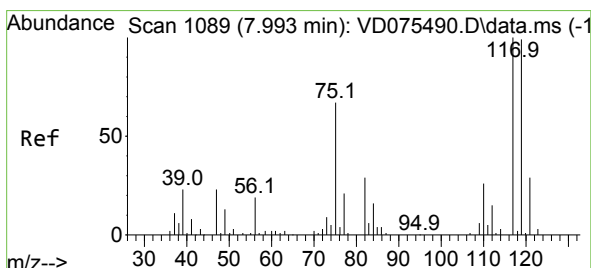
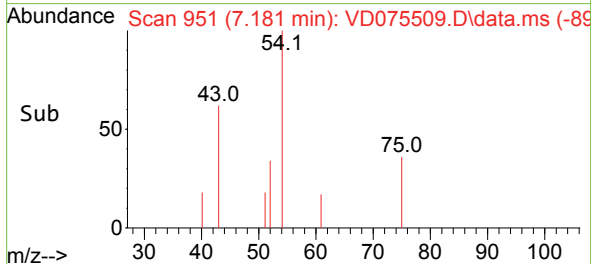
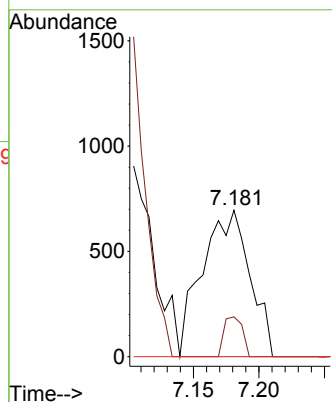
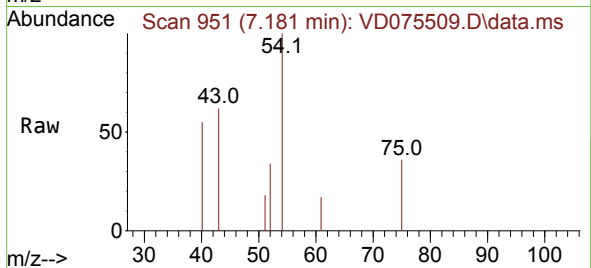
Tgt Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 0.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 3.682 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

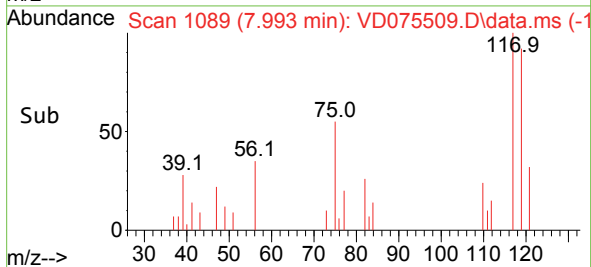
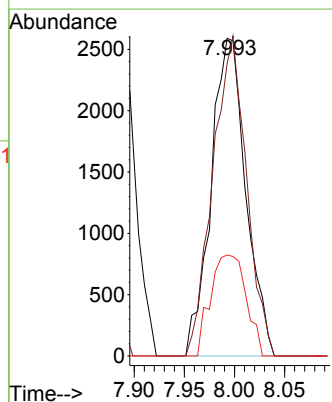
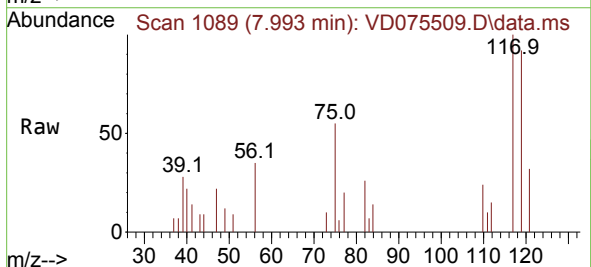
Tgt Ion: 117 Resp: 6238

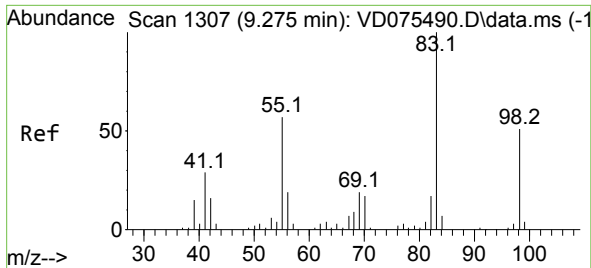
Ion Ratio Lower Upper

117 100

119 92.0 74.7 112.1

121 31.8 25.9 38.9

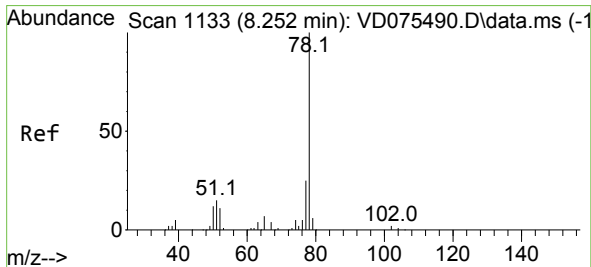
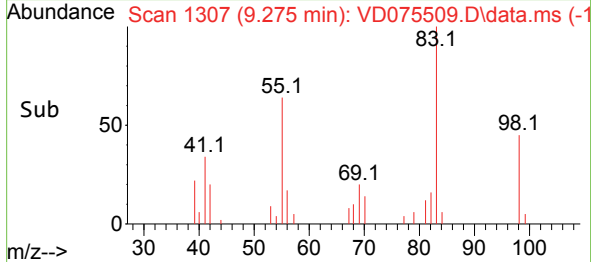
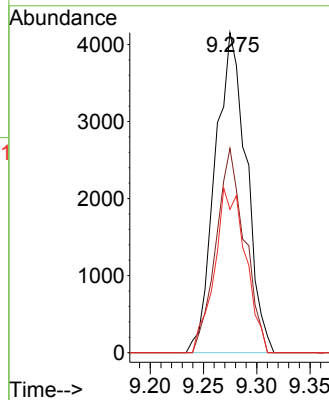
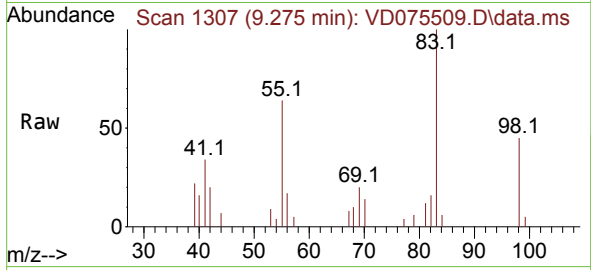




#39
Methylcyclohexane
Concen: 3.790 ug/l
RT: 9.275 min Scan# 11307
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

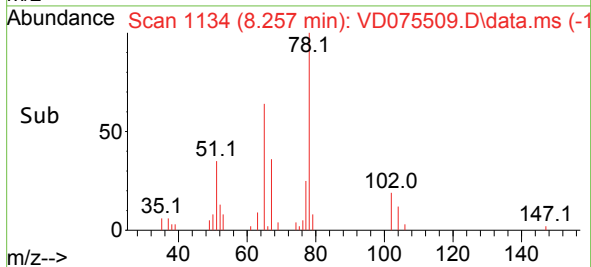
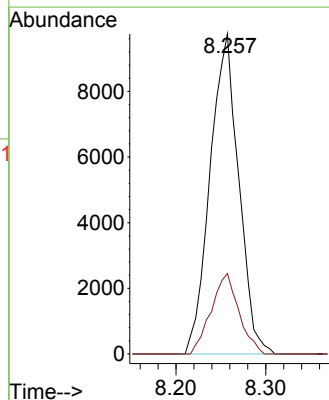
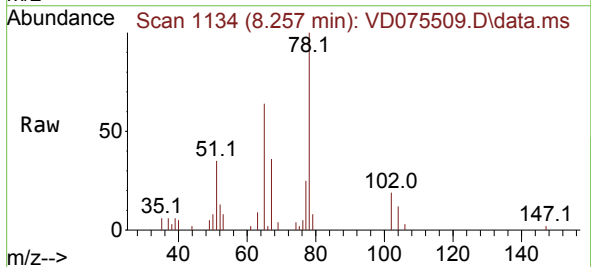
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

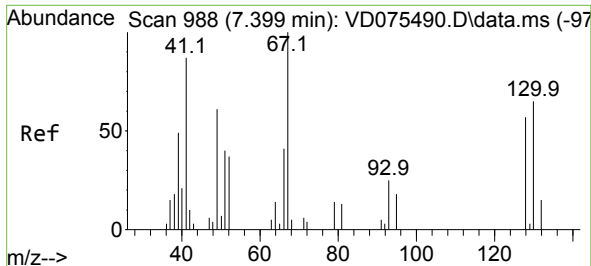
Tgt Ion:	83	Resp:	8448
Ion	Ratio	Lower	Upper
83	100		
55	63.8	56.8	85.2
98	44.8	38.9	58.3



#40
Benzene
Concen: 4.081 ug/l
RT: 8.257 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:	78	Resp:	21622
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.1	28.7

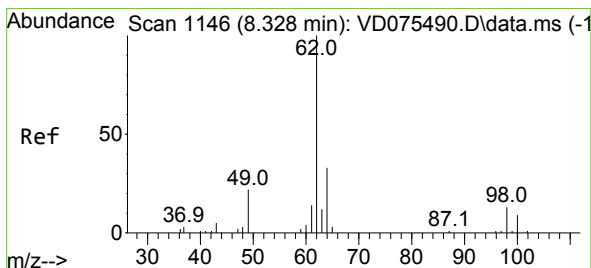
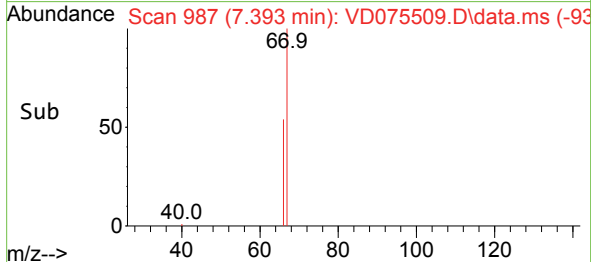
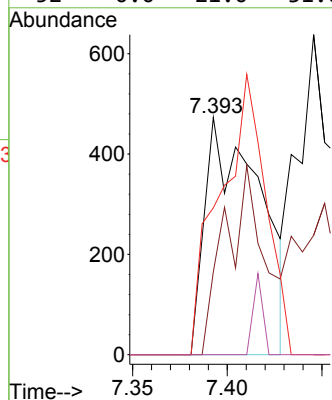
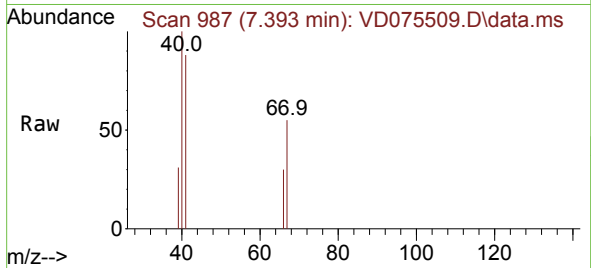




#41
Methacrylonitrile
Concen: 3.909 ug/l
RT: 7.393 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

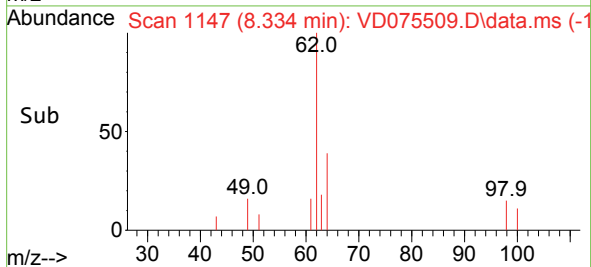
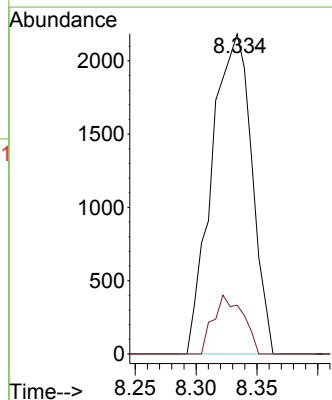
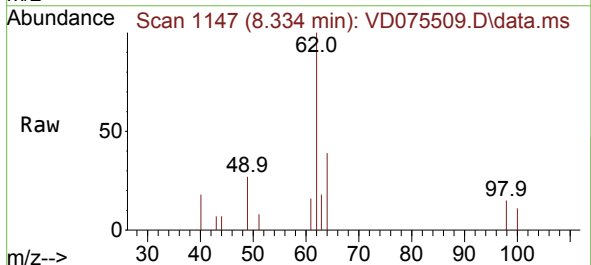
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

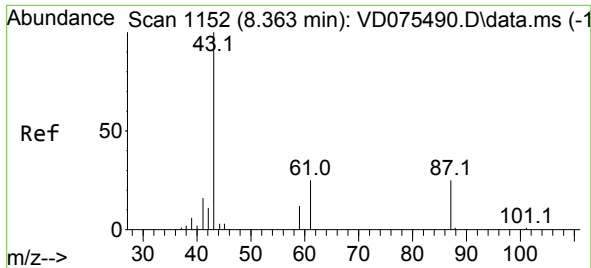
Tgt Ion:	41	Resp:	949
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.3	67.9#
67	0.0	50.5	75.7#
52	0.0	21.0	31.6#



#42
1,2-Dichloroethane
Concen: 4.270 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:	62	Resp:	4981
Ion	Ratio	Lower	Upper
62	100		
98	13.7	0.0	18.8

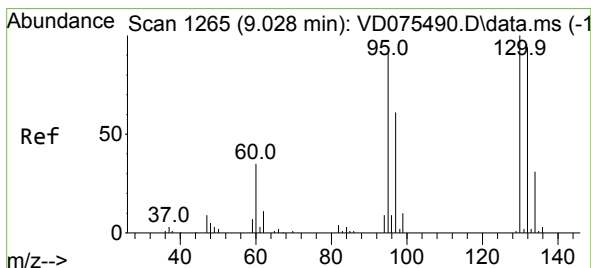
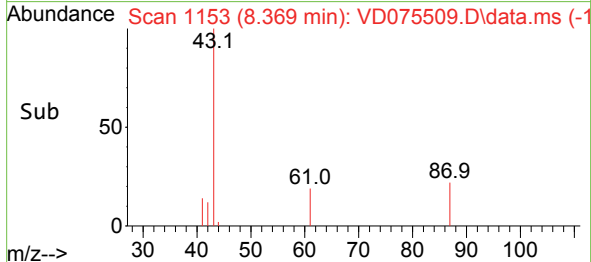
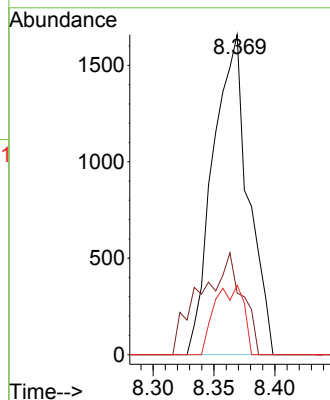
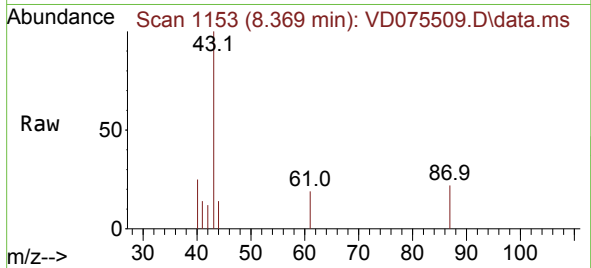




#43
Isopropyl Acetate
Concen: 3.929 ug/l
RT: 8.369 min Scan# 1153
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

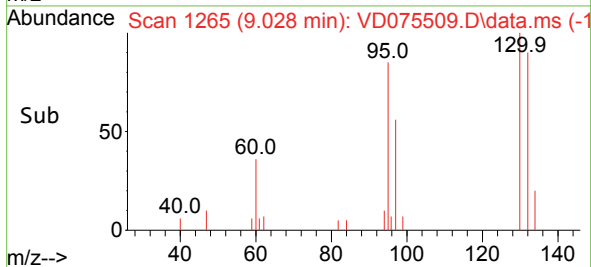
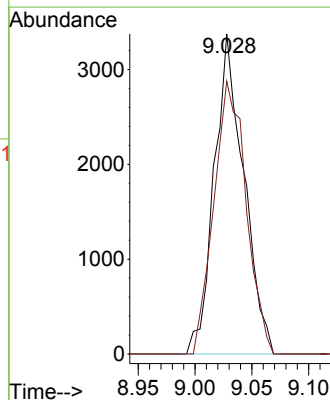
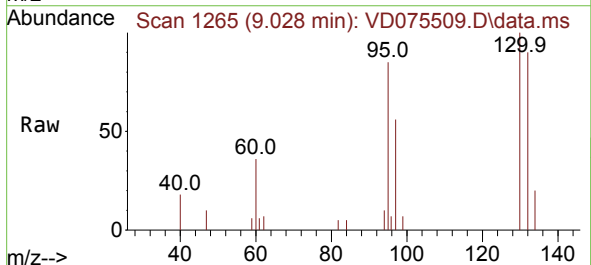
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

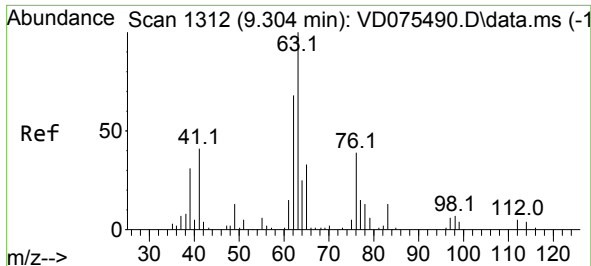
Tgt Ion: 43 Resp: 3349
Ion Ratio Lower Upper
43 100
61 37.5 23.4 35.0#
87 17.9 9.5 14.3#



#44
Trichloroethene
Concen: 3.920 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:130 Resp: 6104
Ion Ratio Lower Upper
130 100
95 85.3 0.0 197.6





#45

1,2-Dichloropropane

Concen: 3.929 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

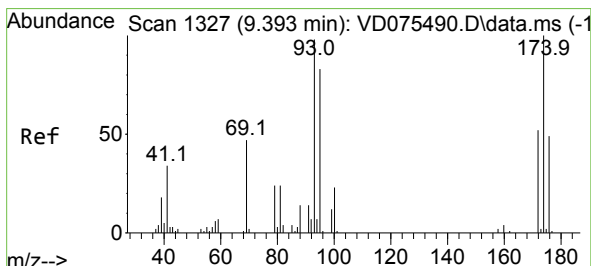
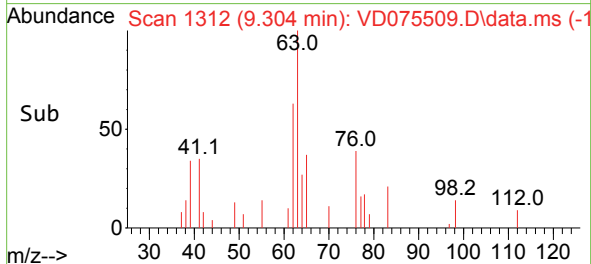
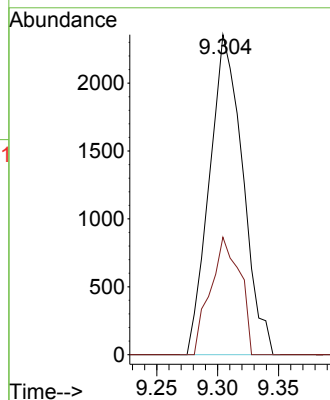
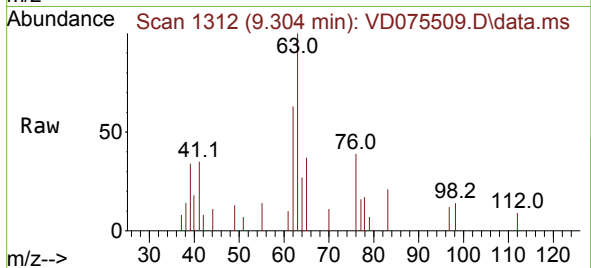
MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 4475

Ion Ratio Lower Upper

63 100

65 36.7 23.0 34.4#



#46

Dibromomethane

Concen: 4.092 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

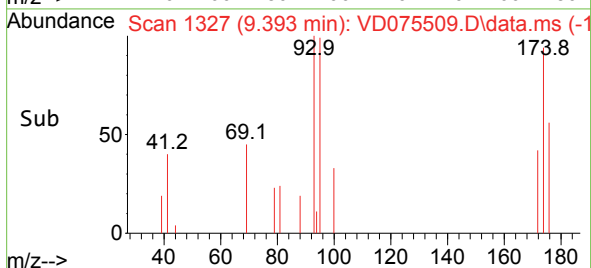
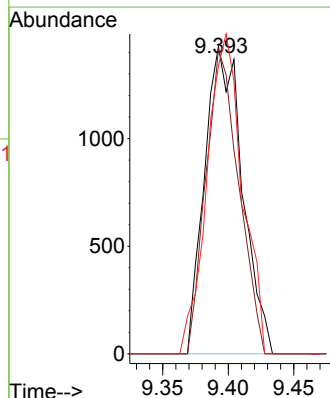
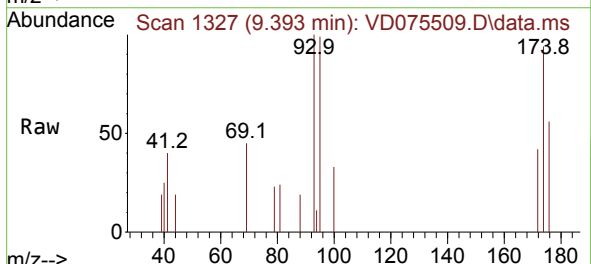
Tgt Ion: 93 Resp: 2873

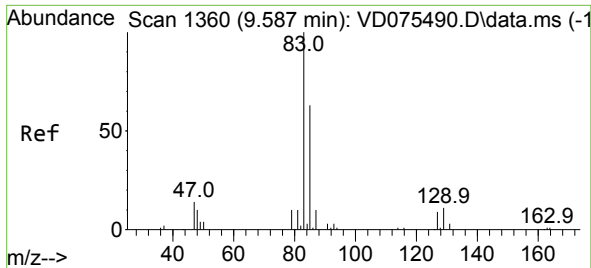
Ion Ratio Lower Upper

93 100

95 86.0 64.5 96.7

174 96.9 76.2 114.4

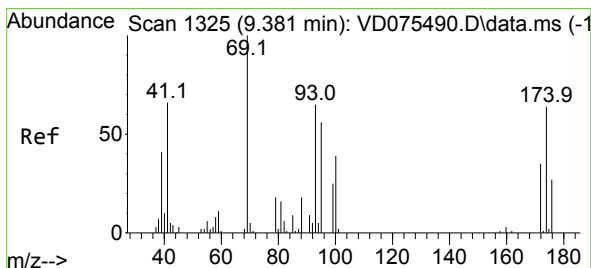
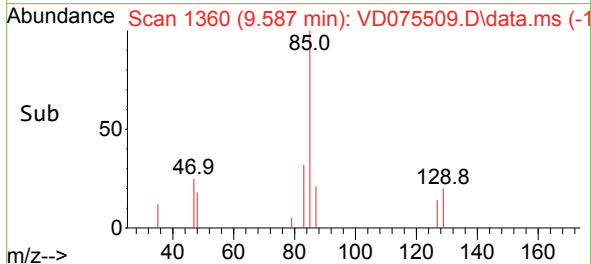
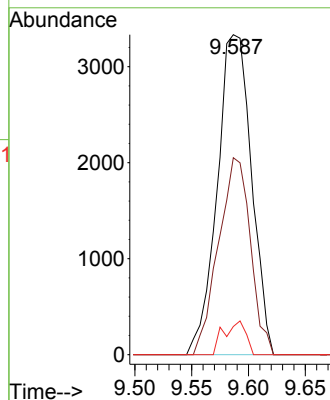
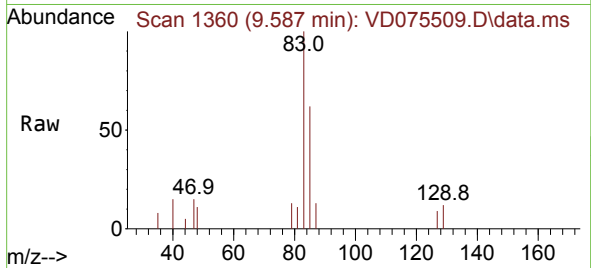




#47
Bromodichloromethane
Concen: 4.119 ug/l
RT: 9.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

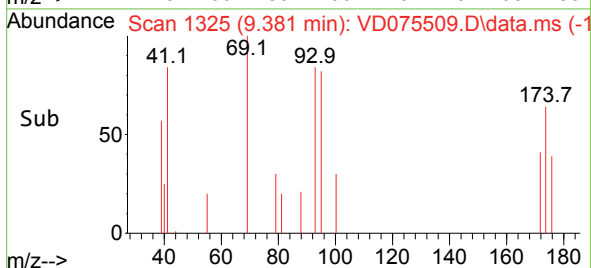
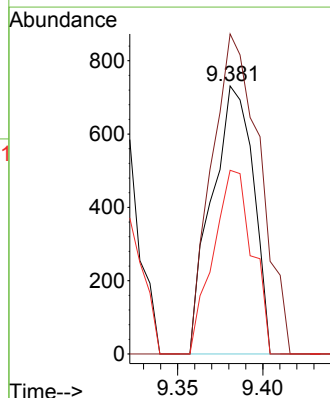
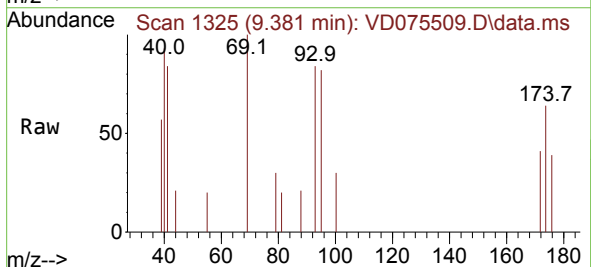
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

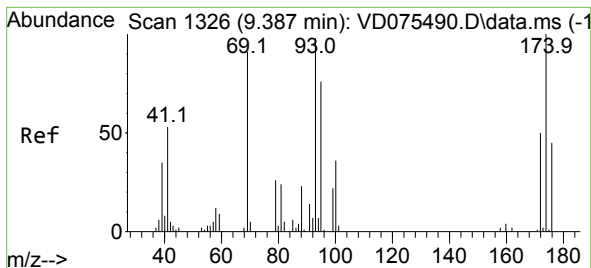
Tgt Ion: 83	Resp: 7002
Ion Ratio	Lower Upper
83 100	
85 61.5	53.7 80.5
127 8.8	7.0 10.6



#48
Methyl methacrylate
Concen: 3.094 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 41	Resp: 1239
Ion Ratio	Lower Upper
41 100	
69 138.3	58.6 88.0#
39 64.7	53.4 80.0





#49

1,4-Dioxane

Concen: 47.105 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

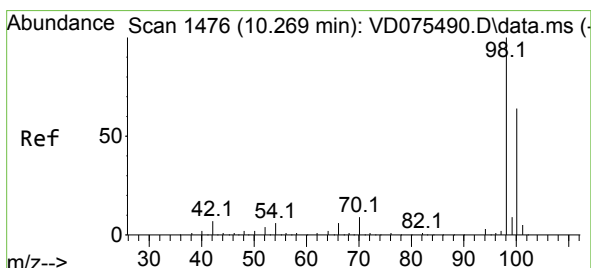
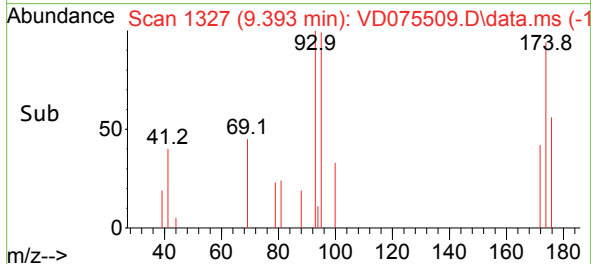
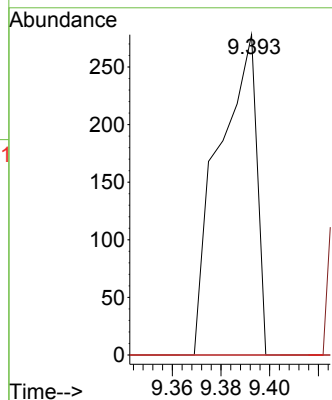
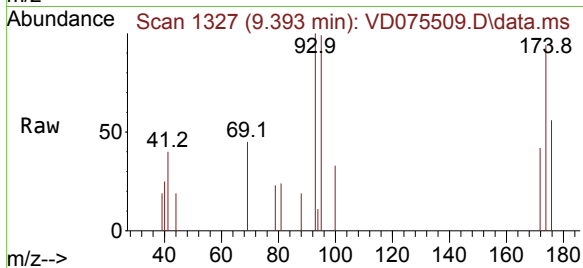
Tgt Ion: 88 Resp: 300

Ion Ratio Lower Upper

88 100

43 0.0 34.6 51.8#

58 0.0 58.0 87.0#



#50

Toluene-d8

Concen: 53.999 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD075509.D

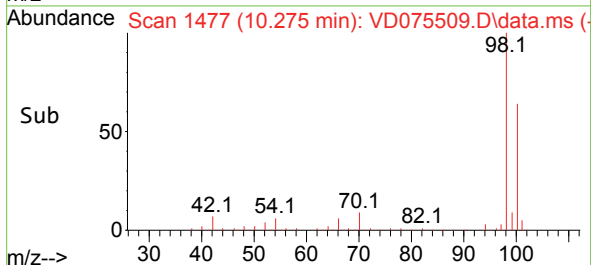
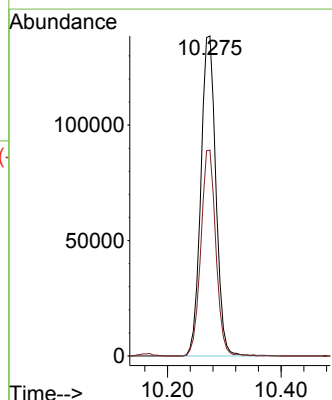
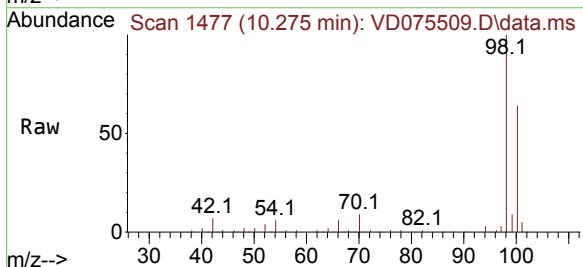
Acq: 13 Mar 2023 15:09

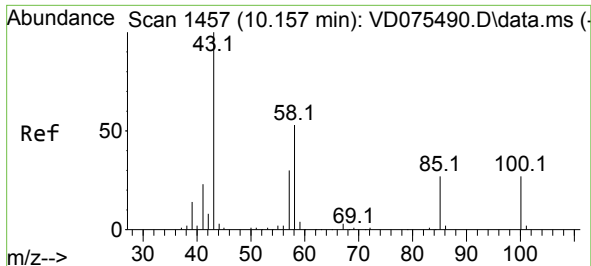
Tgt Ion: 98 Resp: 254508

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1

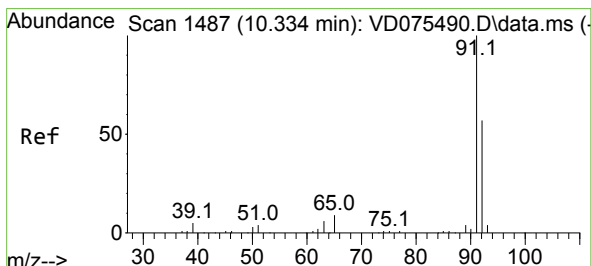
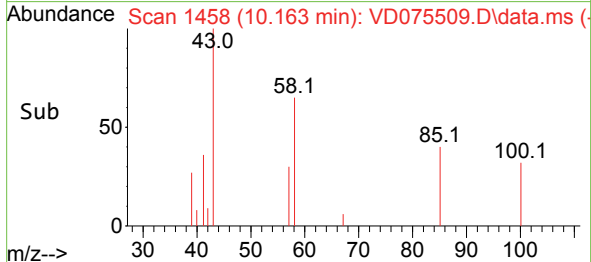
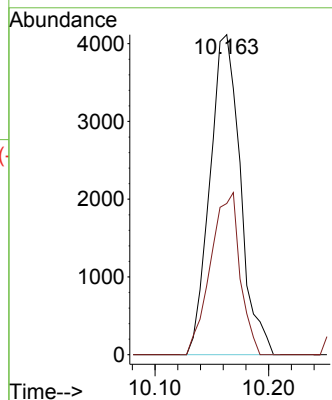
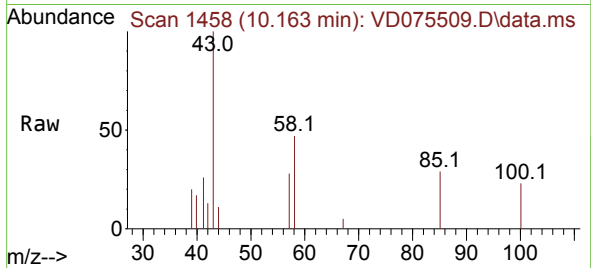




#51
4-Methyl-2-Pentanone
Concen: 17.276 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

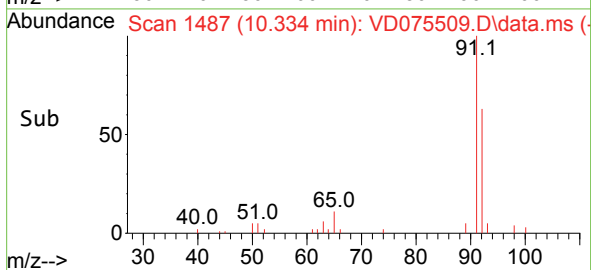
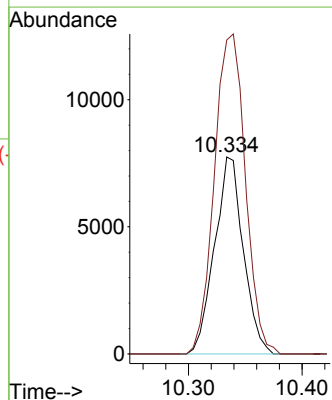
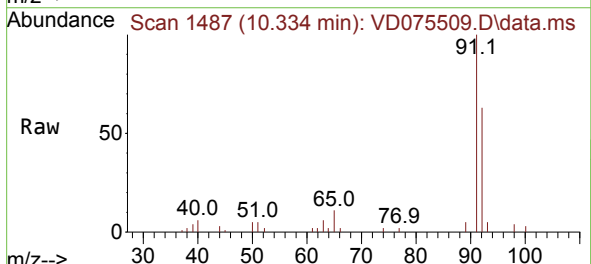
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

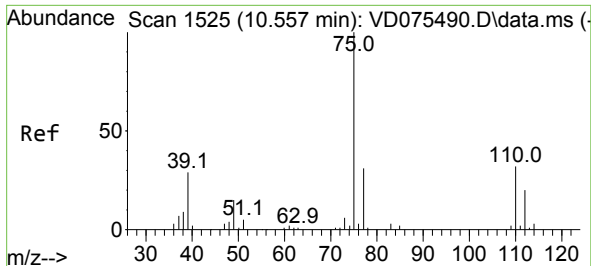
Tgt Ion: 43 Resp: 7659
Ion Ratio Lower Upper
43 100
58 49.0 29.5 44.3#



#52
Toluene
Concen: 3.972 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 92 Resp: 13638
Ion Ratio Lower Upper
92 100
91 175.1 136.5 204.7

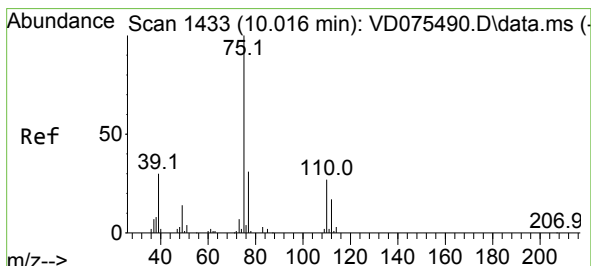
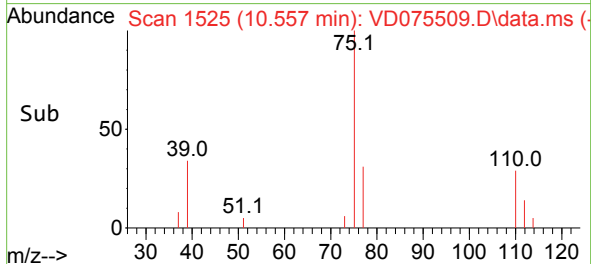
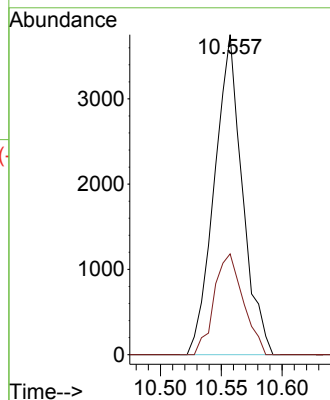
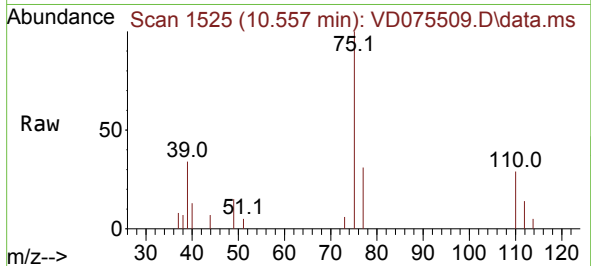




#53
 t-1,3-Dichloropropene
 Concen: 3.925 ug/l
 RT: 10.557 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

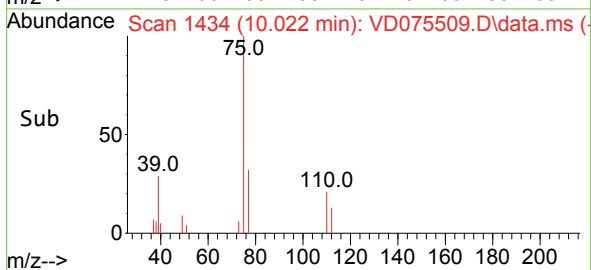
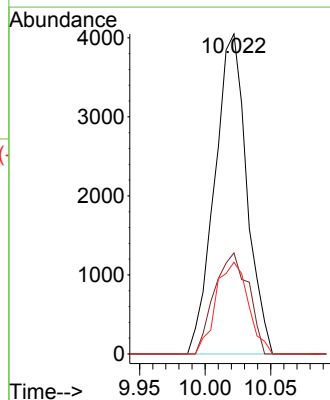
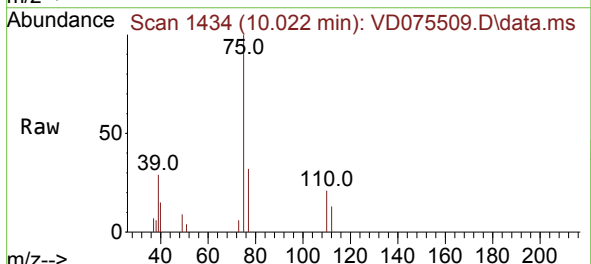
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

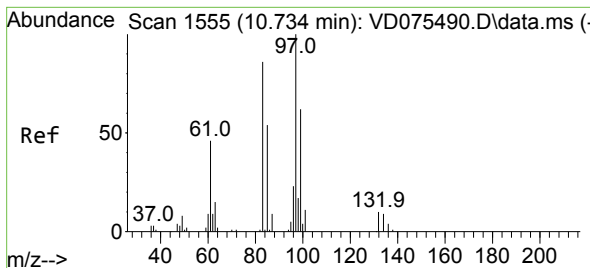
Tgt Ion: 75 Resp: 6003
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 3.666 ug/l
 RT: 10.022 min Scan# 1434
 Delta R.T. 0.006 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

Tgt Ion: 75 Resp: 6886
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4
 39 28.7 44.8 67.2#





#55

1,1,2-Trichloroethane

Concen: 4.084 ug/l

RT: 10.740 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 97 Resp: 4059

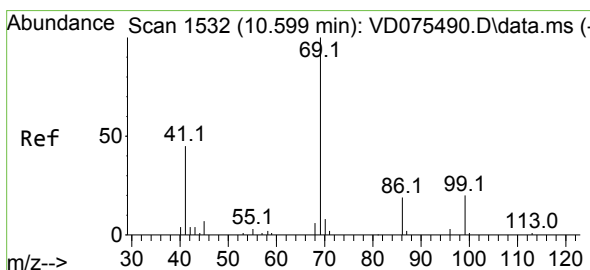
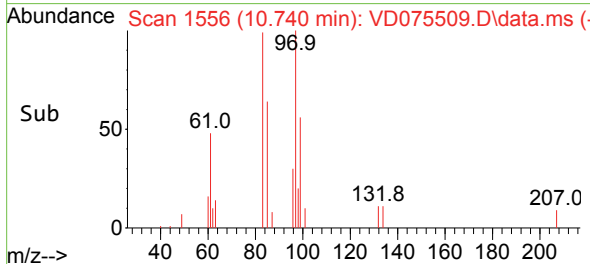
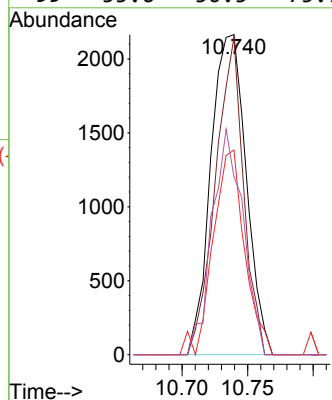
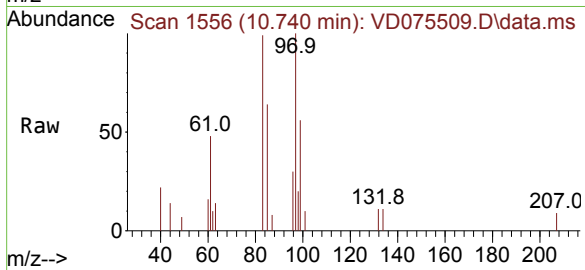
Ion Ratio Lower Upper

97 100

83 99.2 74.2 111.4

85 64.0 45.4 68.0

99 55.6 50.5 75.7



#56

Ethyl methacrylate

Concen: 3.331 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

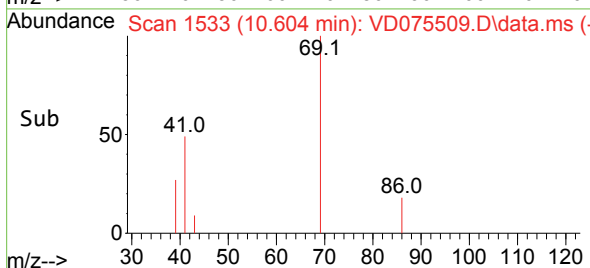
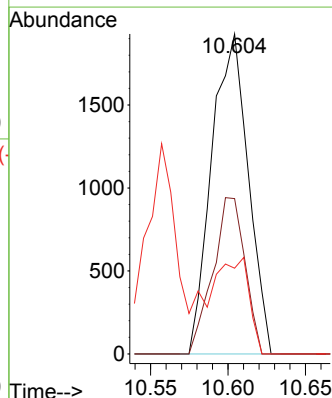
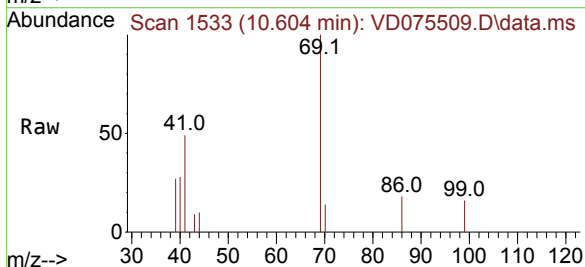
Tgt Ion: 69 Resp: 3152

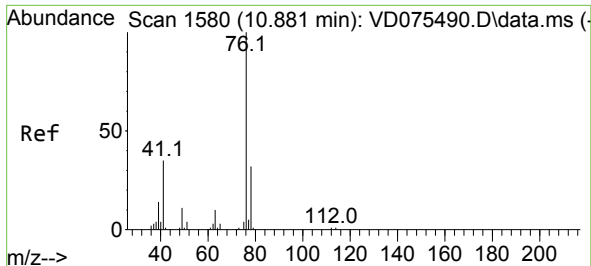
Ion Ratio Lower Upper

69 100

41 43.0 59.3 88.9#

39 26.2 36.0 54.0#





#57

1,3-Dichloropropane

Concen: 4.052 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

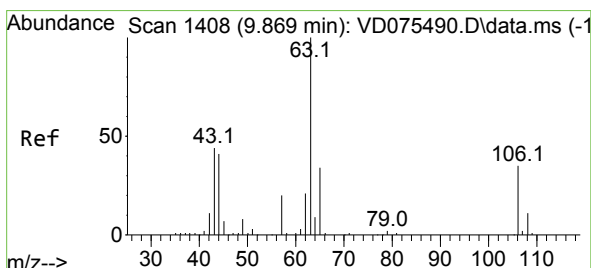
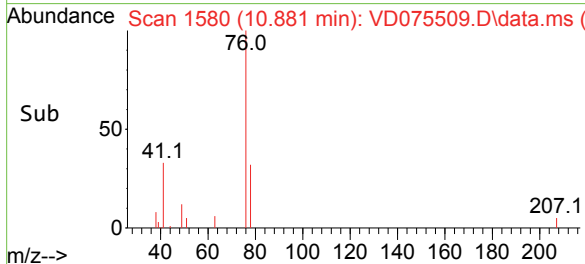
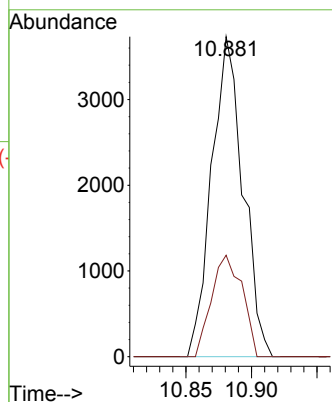
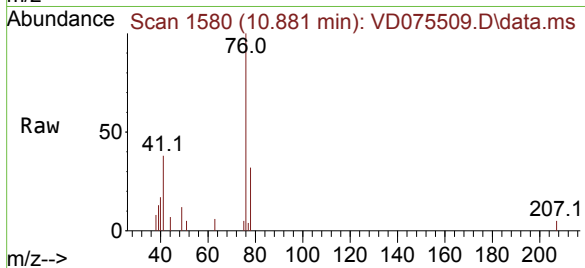
MDL-SOIL-03-QT1-2022

Tgt Ion: 76 Resp: 6197

Ion Ratio Lower Upper

76 100

78 31.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 16.818 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075509.D

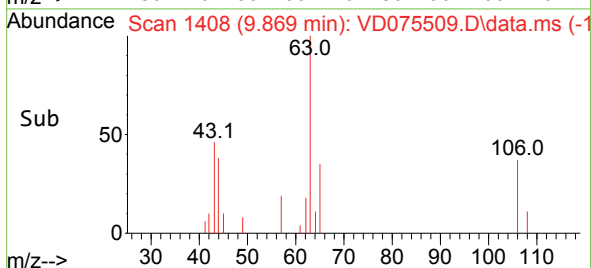
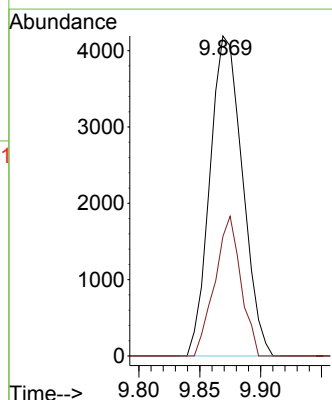
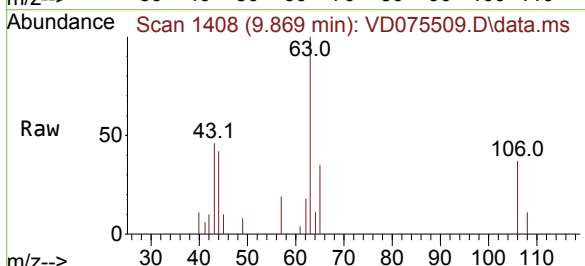
Acq: 13 Mar 2023 15:09

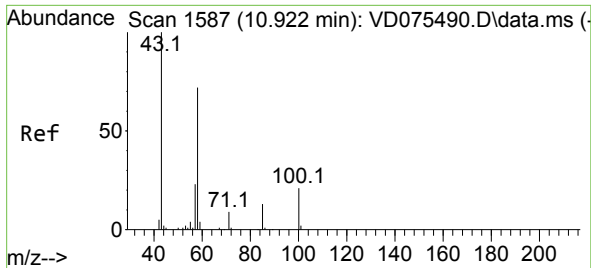
Tgt Ion: 63 Resp: 7789

Ion Ratio Lower Upper

63 100

106 34.8 21.4 32.2#

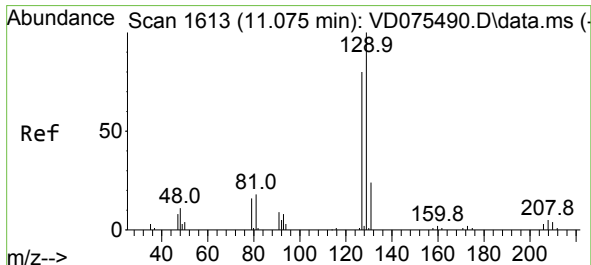
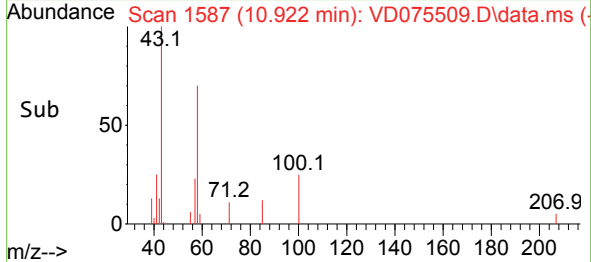
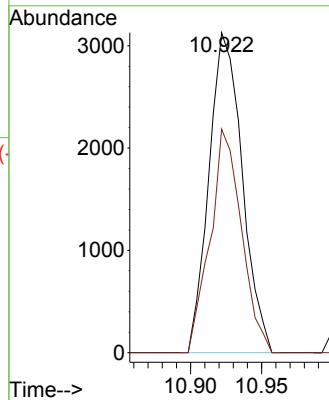
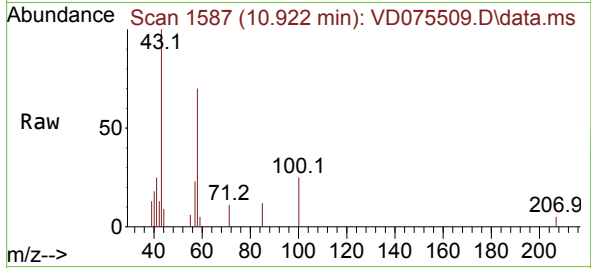




#59
2-Hexanone
Concen: 16.242 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

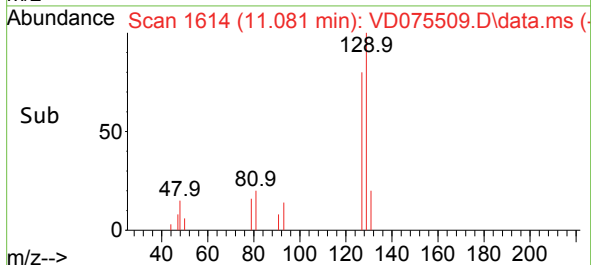
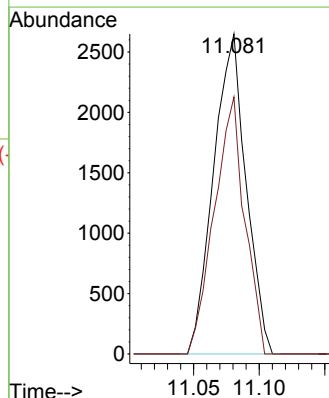
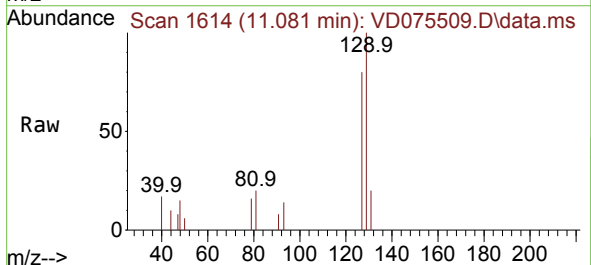
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

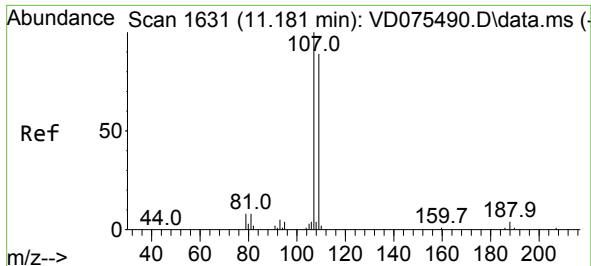
Tgt Ion: 43 Resp: 5092
Ion Ratio Lower Upper
43 100
58 65.8 25.3 75.8



#60
Dibromochloromethane
Concen: 3.888 ug/l
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 129 Resp: 4565
Ion Ratio Lower Upper
129 100
127 75.2 38.1 114.5

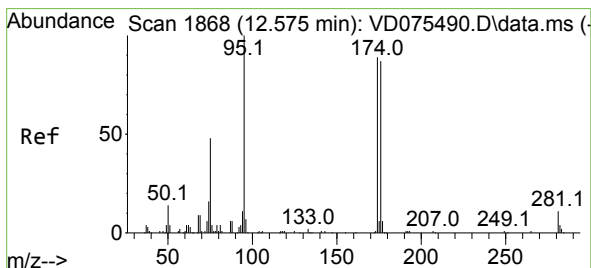
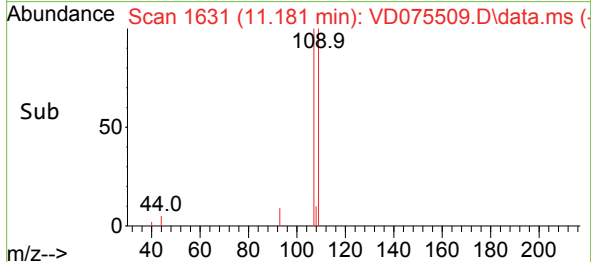
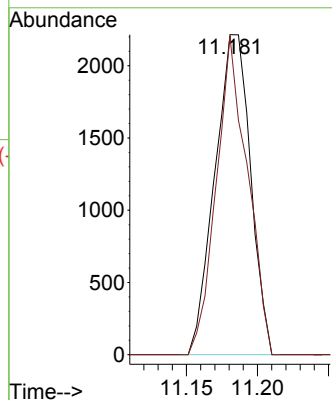
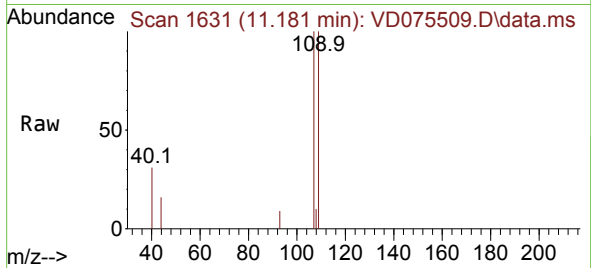




#61
1,2-Dibromoethane
Concen: 4.129 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

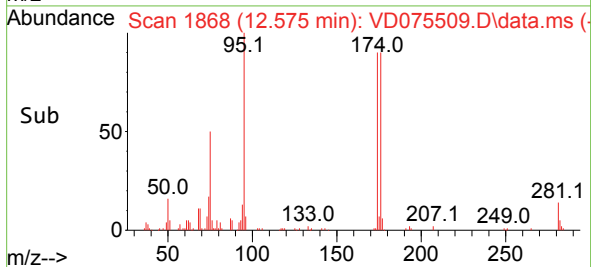
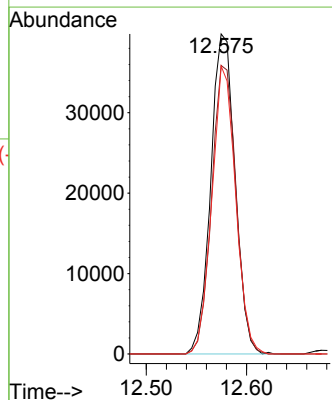
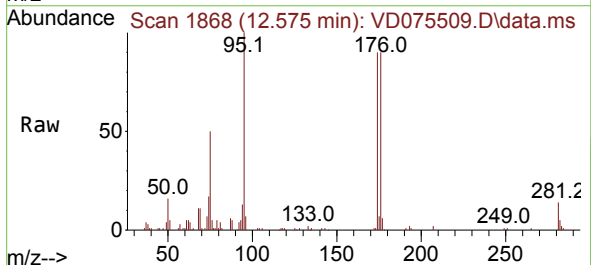
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

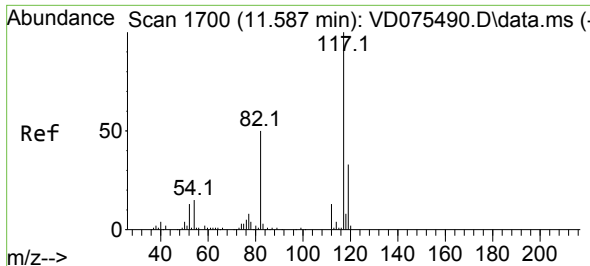
Tgt Ion:107 Resp: 3865
Ion Ratio Lower Upper
107 100
109 86.9 73.6 110.4



#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 95 Resp: 66958
Ion Ratio Lower Upper
95 100
174 90.4 0.0 164.0
176 87.8 0.0 156.8

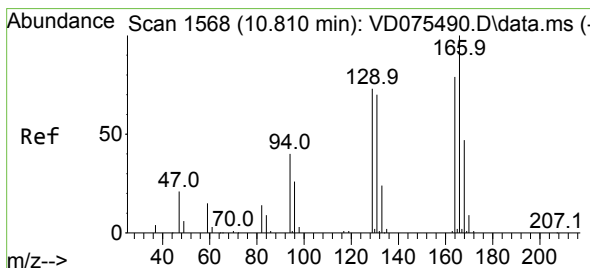
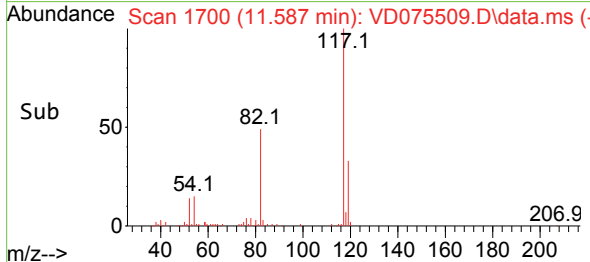
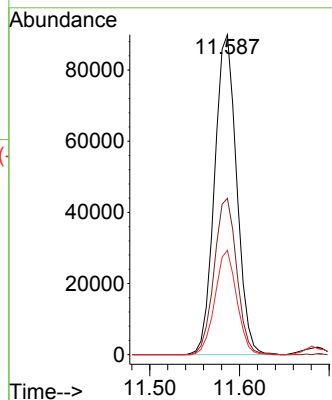
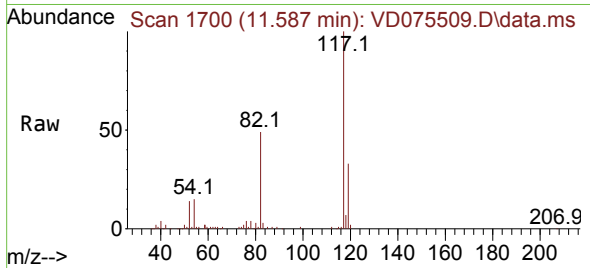




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

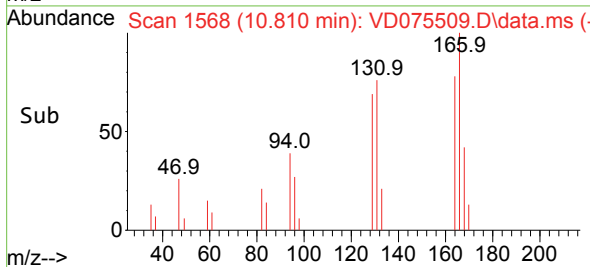
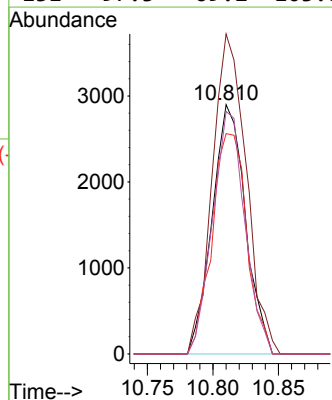
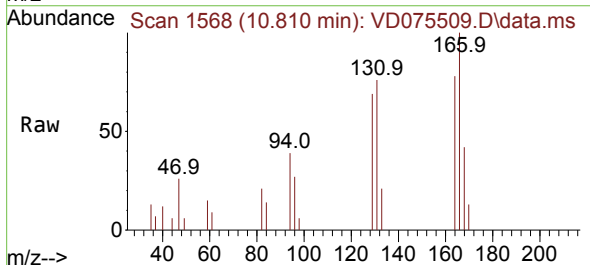
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

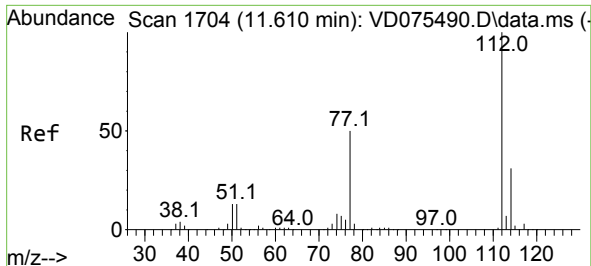
Tgt Ion:	117	Resp:	153928
Ion	Ratio	Lower	Upper
117	100		
82	48.9	44.0	66.0
119	32.6	25.1	37.7



#64
Tetrachloroethene
Concen: 4.207 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:	164	Resp:	5110
Ion	Ratio	Lower	Upper
164	100		
166	128.4	94.9	142.3
129	88.4	73.0	109.6
131	97.3	69.2	103.8

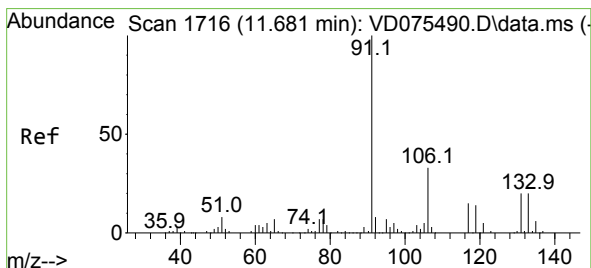
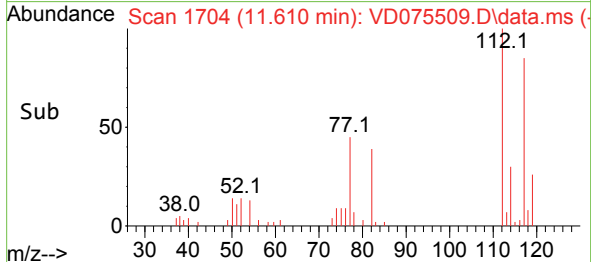
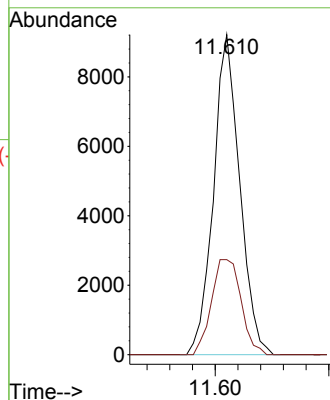
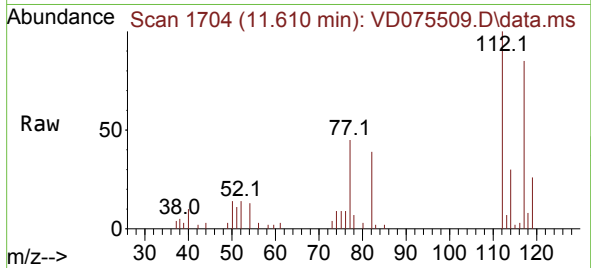




#65
Chlorobenzene
Concen: 4.041 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

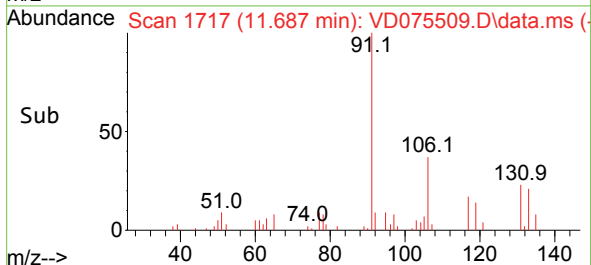
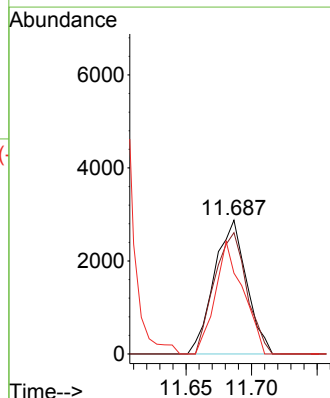
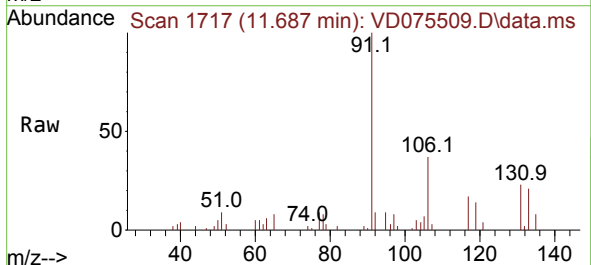
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

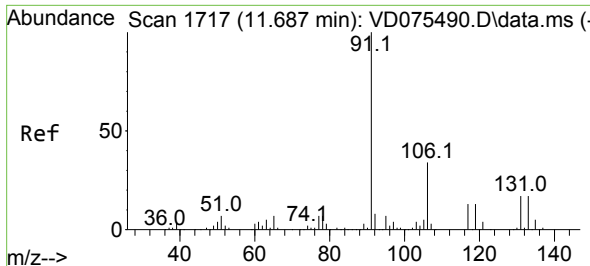
Tgt Ion:112 Resp: 14752
Ion Ratio Lower Upper
112 100
114 29.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 3.964 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:131 Resp: 4957
Ion Ratio Lower Upper
131 100
133 90.7 46.7 140.0
119 71.7 31.9 95.9

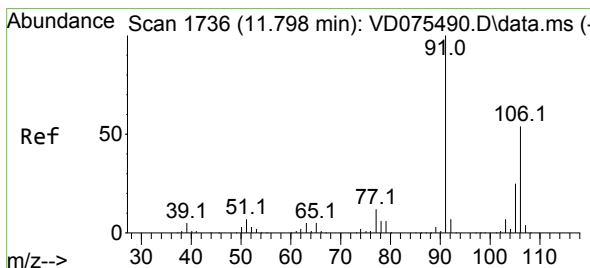
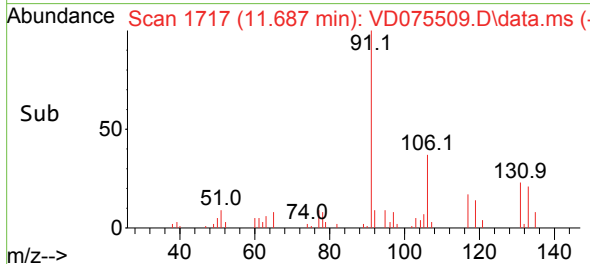
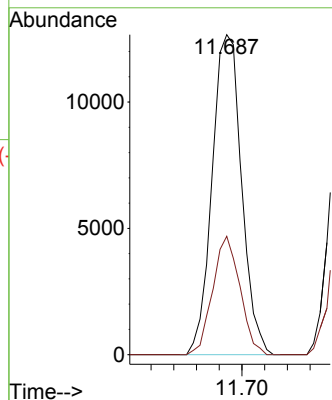
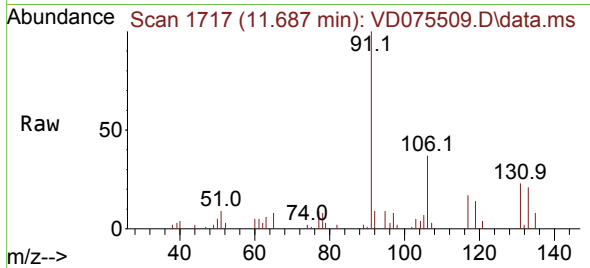




#67
Ethyl Benzene
Concen: 3.628 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

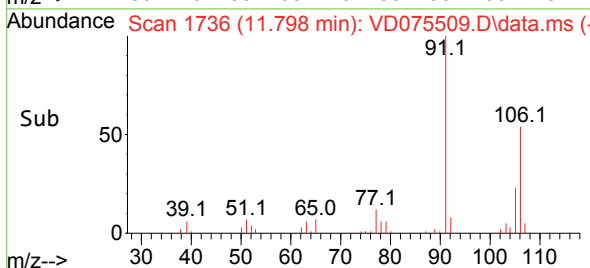
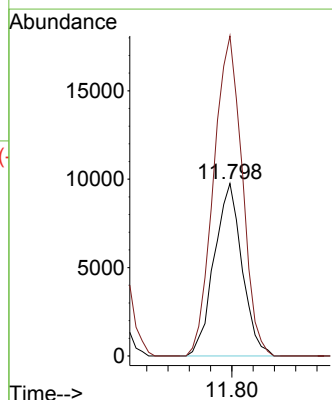
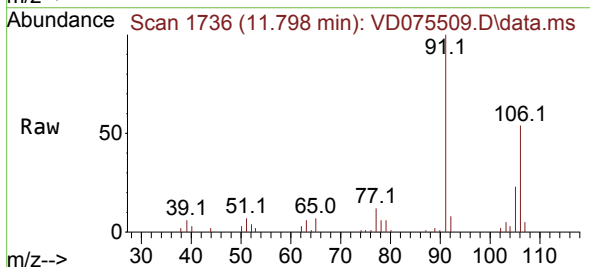
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

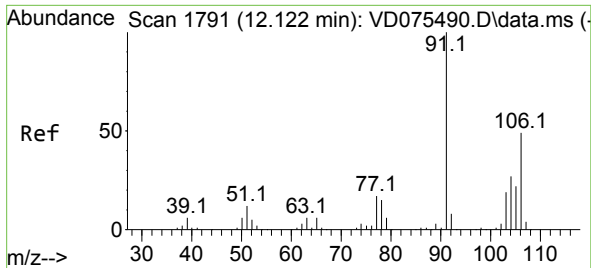
Tgt Ion: 91 Resp: 22809
Ion Ratio Lower Upper
91 100
106 37.0 24.5 36.7#



#68
m/p-Xylenes
Concen: 7.017 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 106 Resp: 17730
Ion Ratio Lower Upper
106 100
91 190.3 161.5 242.3

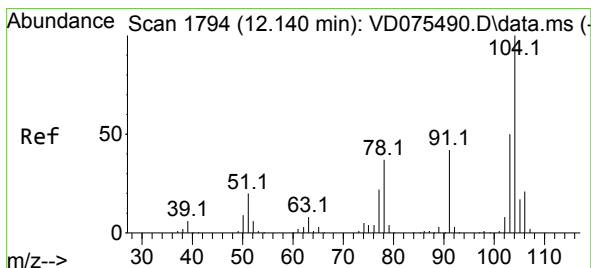
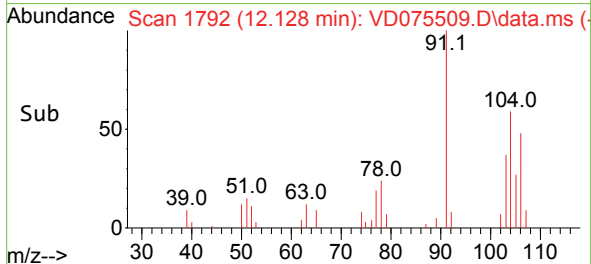
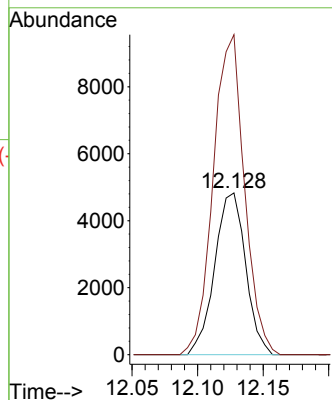
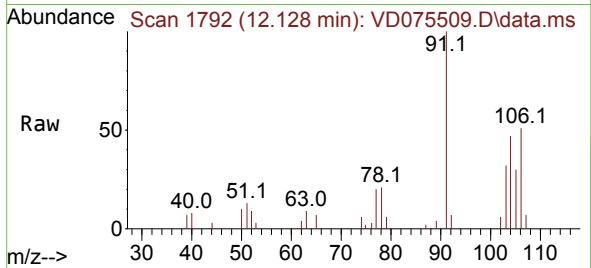




#69
o-Xylene
Concen: 3.379 ug/l
RT: 12.128 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

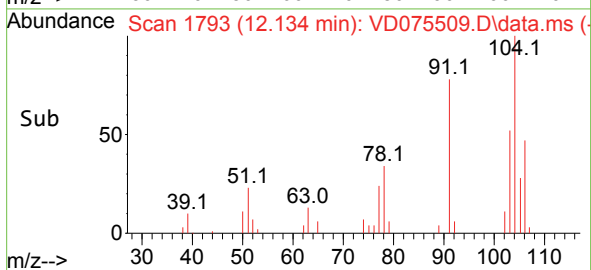
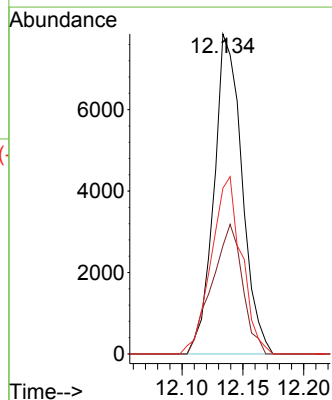
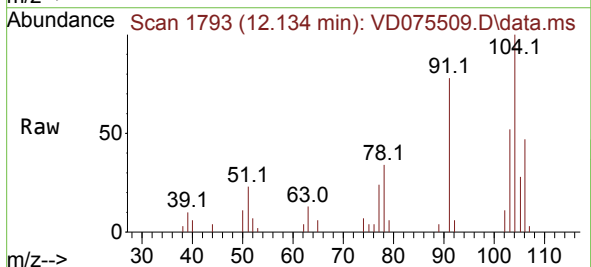
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

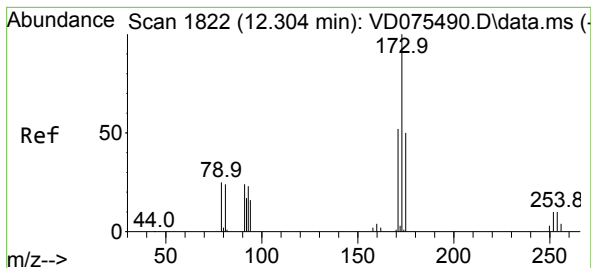
Tgt Ion:106 Resp: 7929
Ion Ratio Lower Upper
106 100
91 199.2 105.7 317.1



#70
Styrene
Concen: 3.227 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:104 Resp: 12596
Ion Ratio Lower Upper
104 100
78 44.1 40.2 60.4
103 59.8 44.2 66.2





#71

Bromoform

Concen: 3.736 ug/l

RT: 12.304 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

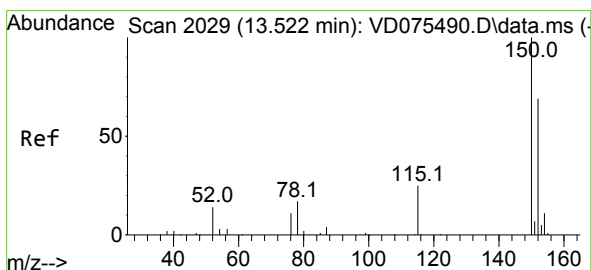
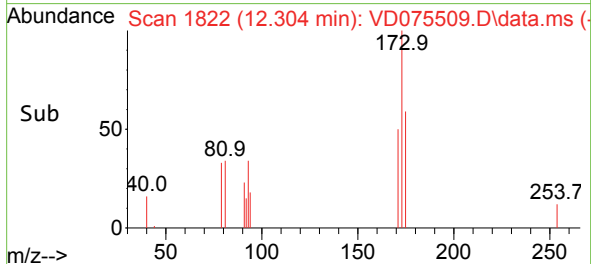
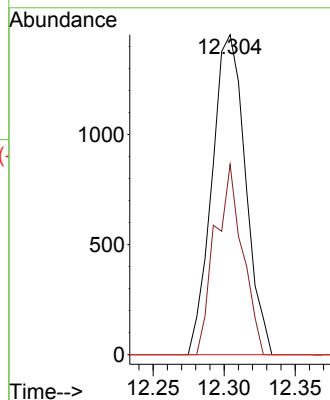
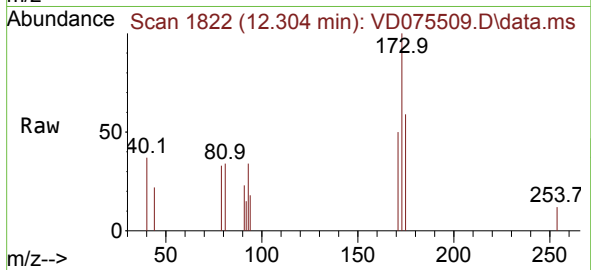
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:173	Resp:	2386
Ion Ratio	Lower	Upper
173	100	
175	48.7	23.5 70.5
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

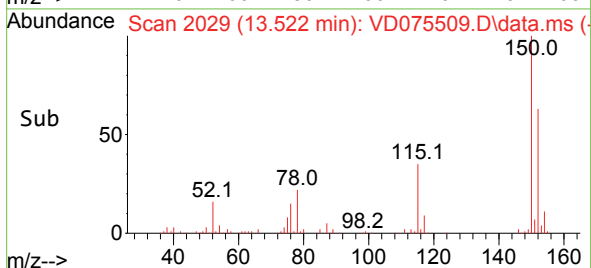
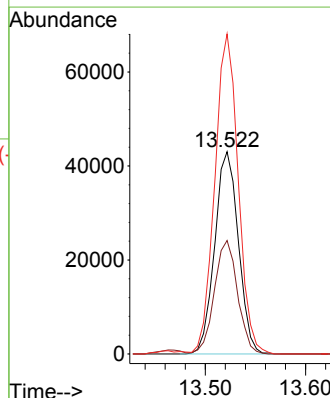
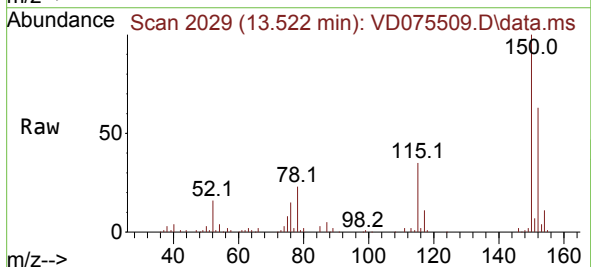
RT: 13.522 min Scan# 2029

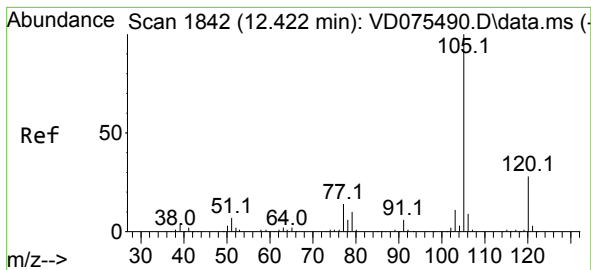
Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Tgt Ion:152	Resp:	70450
Ion Ratio	Lower	Upper
152	100	
115	55.1	30.1 90.3
150	156.6	0.0 364.8





#73

Isopropylbenzene

Concen: 3.639 ug/l

RT: 12.422 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

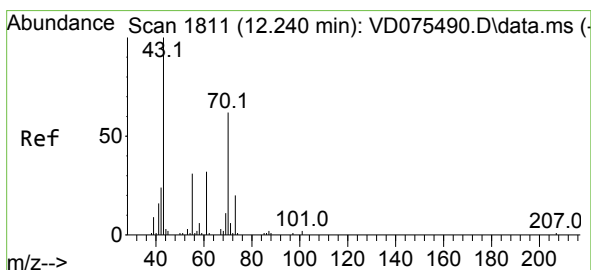
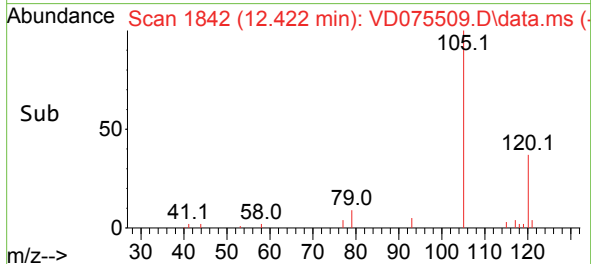
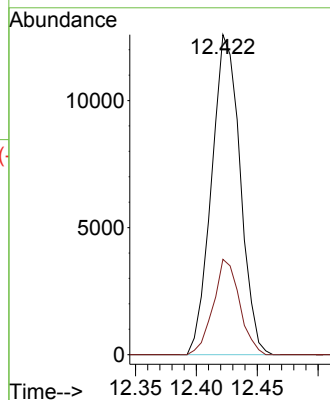
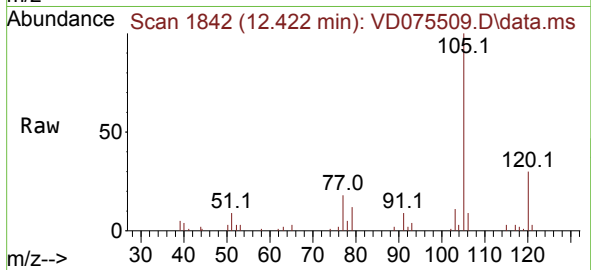
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 20533

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.1



#74

N-ethyl acetate

Concen: 3.654 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. -0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Tgt Ion: 43 Resp: 2554

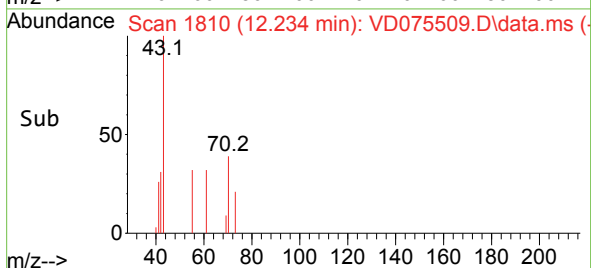
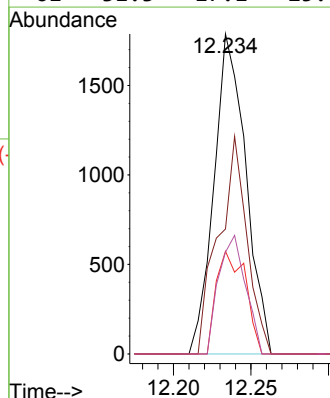
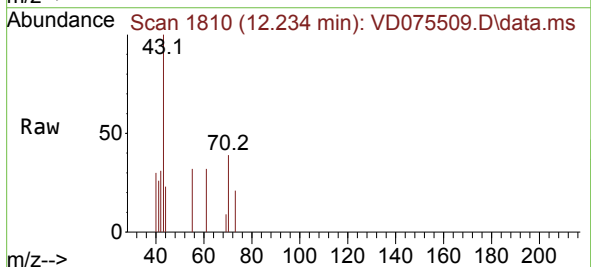
Ion Ratio Lower Upper

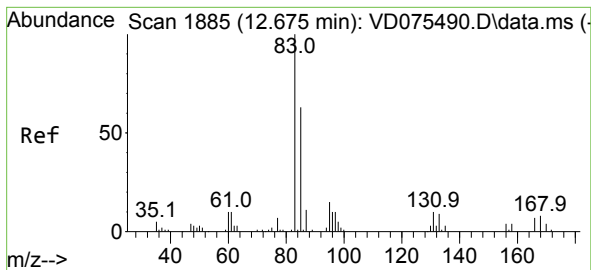
43 100

70 60.6 31.0 46.4#

55 29.3 18.6 28.0#

61 31.3 17.1 25.7#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.378 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

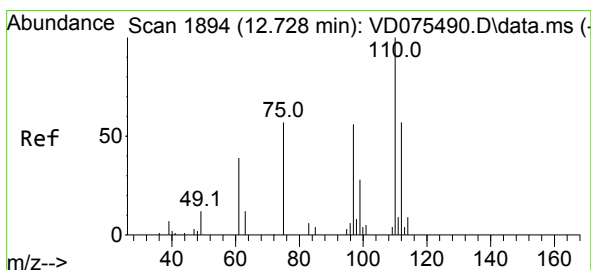
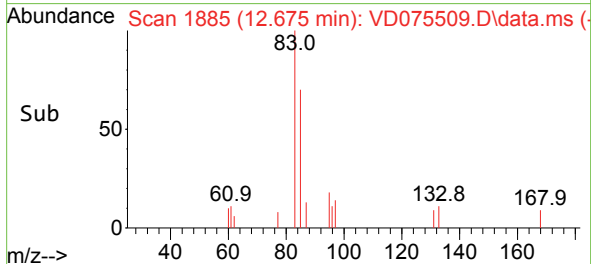
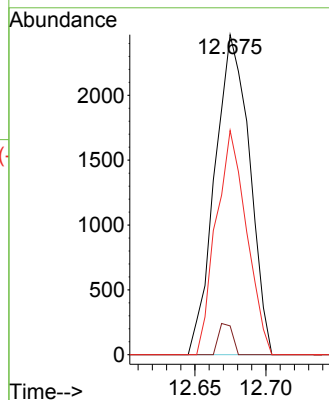
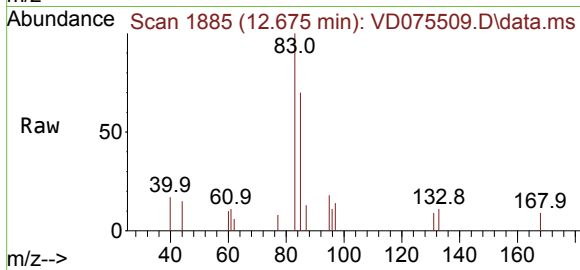
Tgt Ion: 83 Resp: 4189

Ion Ratio Lower Upper

83 100

131 3.9 5.1 15.2#

85 61.6 33.6 100.6



#76

1,2,3-Trichloropropane

Concen: 7.975 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VD075509.D

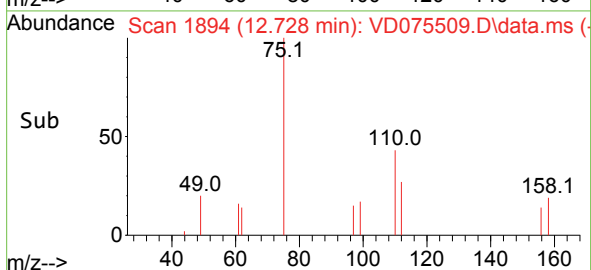
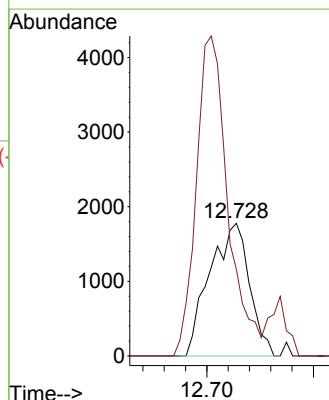
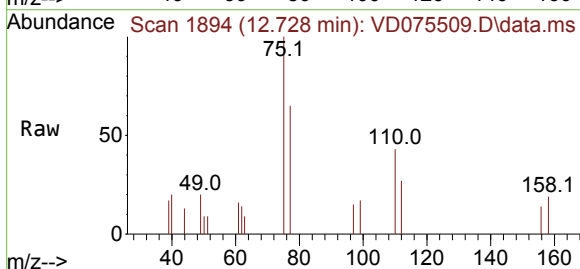
Acq: 13 Mar 2023 15:09

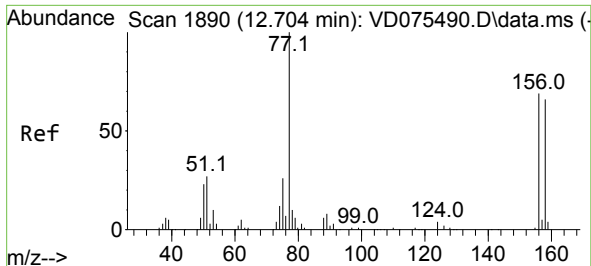
Tgt Ion: 75 Resp: 4608

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

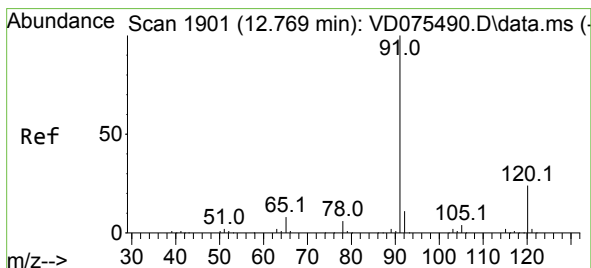
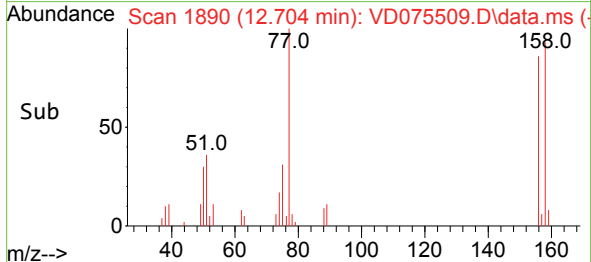
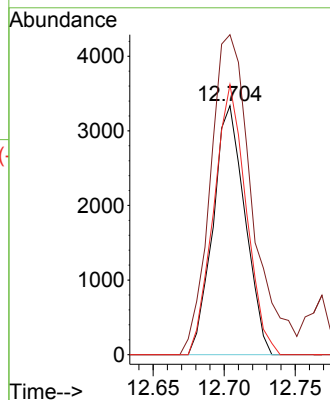
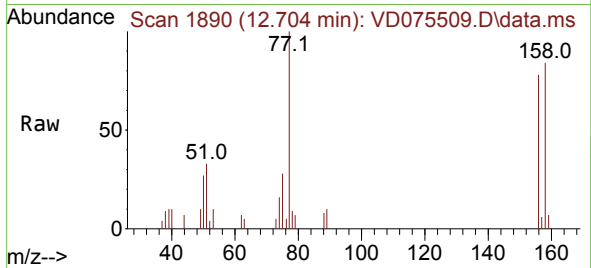




#77
Bromobenzene
Concen: 3.884 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

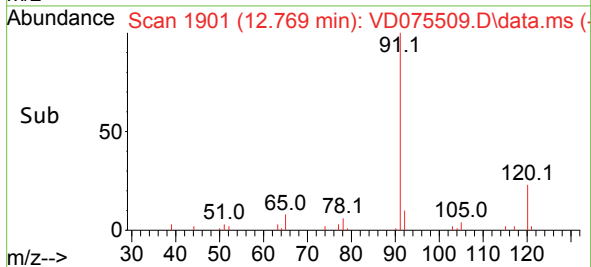
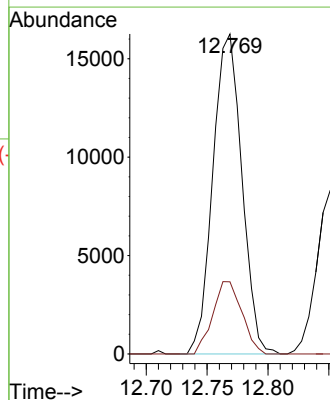
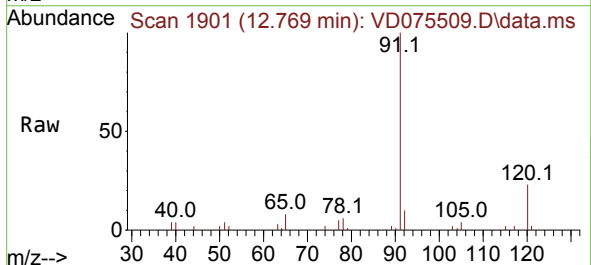
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

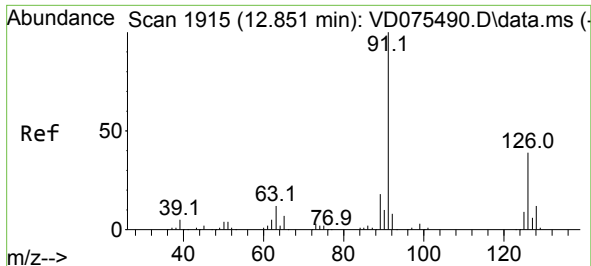
Tgt Ion:156 Resp: 5210
Ion Ratio Lower Upper
156 100
77 169.0 89.5 268.6
158 110.2 47.8 143.4



#78
n-propylbenzene
Concen: 3.932 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 91 Resp: 26952
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.2

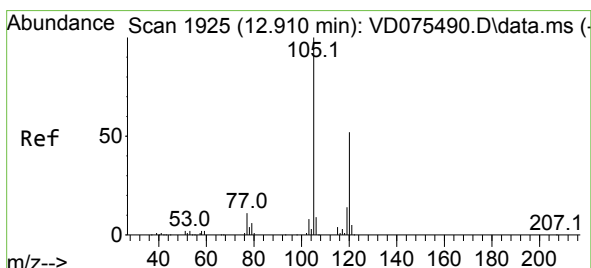
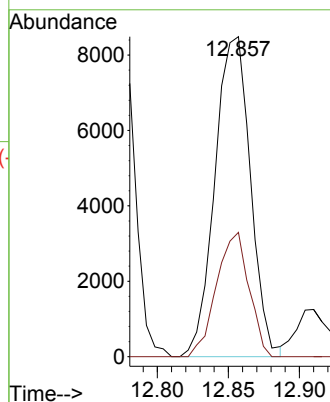
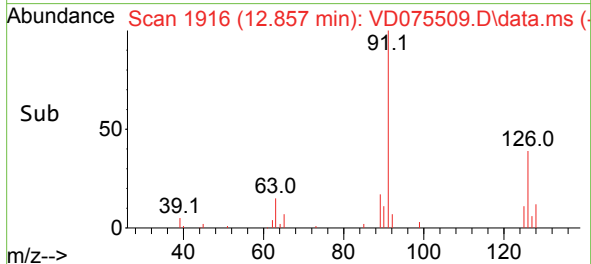
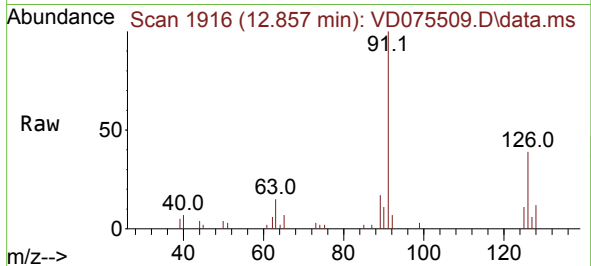




#79
2-Chlorotoluene
Concen: 3.980 ug/l
RT: 12.857 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

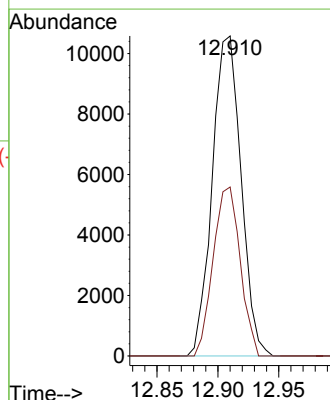
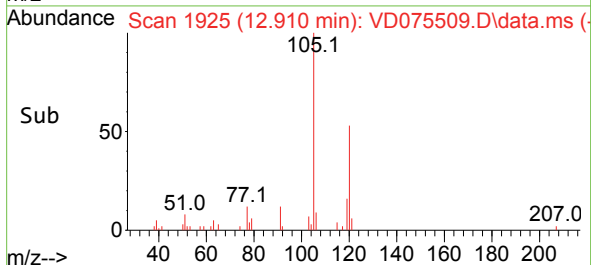
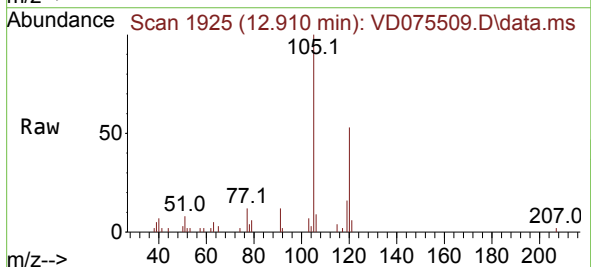
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

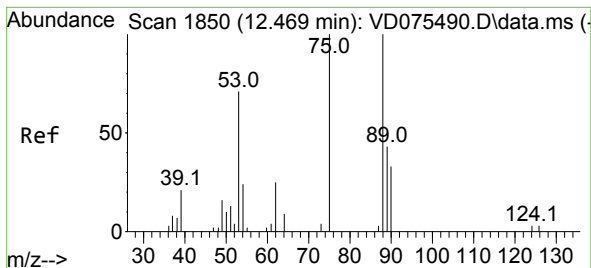
Tgt Ion: 91 Resp: 14784
Ion Ratio Lower Upper
91 100
126 35.4 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 3.766 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion: 105 Resp: 17424
Ion Ratio Lower Upper
105 100
120 49.5 24.3 72.8

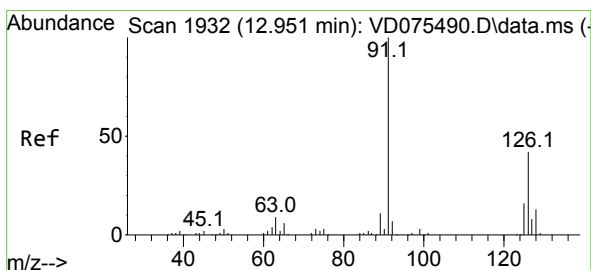
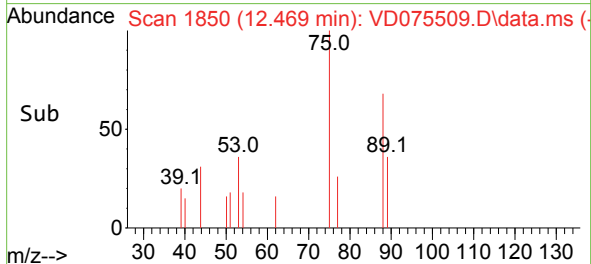
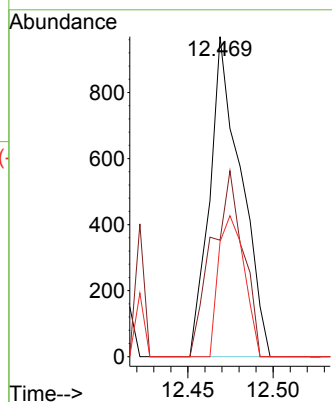
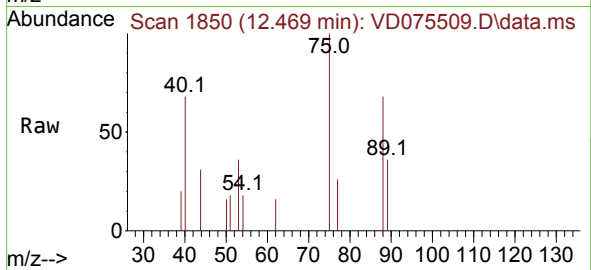




#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.514 ug/l
 RT: 12.469 min Scan# 1850
 Delta R.T. -0.000 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

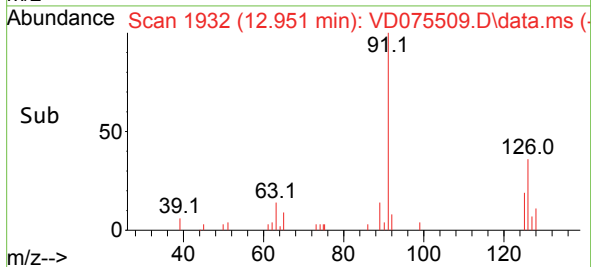
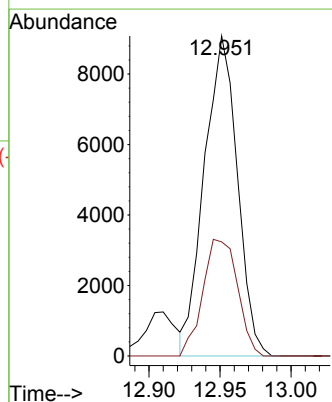
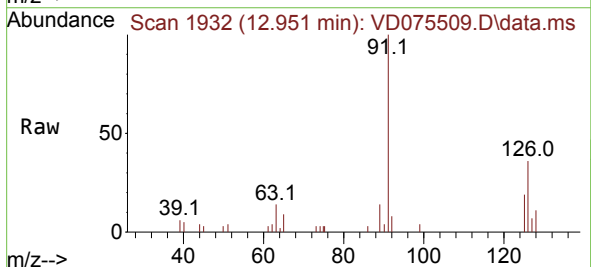
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

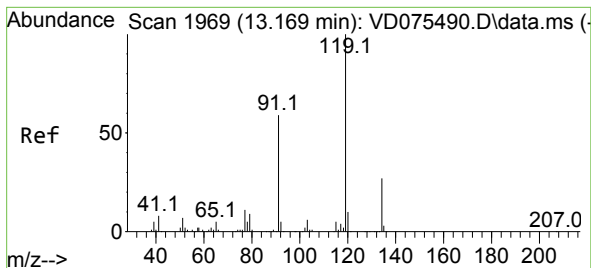
Tgt Ion: 75 Resp: 1240
 Ion Ratio Lower Upper
 75 100
 53 57.8 90.5 135.7#
 89 36.5 40.2 60.4#



#82
 4-Chlorotoluene
 Concen: 3.827 ug/l
 RT: 12.951 min Scan# 1932
 Delta R.T. -0.000 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

Tgt Ion: 91 Resp: 14670
 Ion Ratio Lower Upper
 91 100
 126 38.3 17.1 51.2





#83

tert-Butylbenzene

Concen: 3.468 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

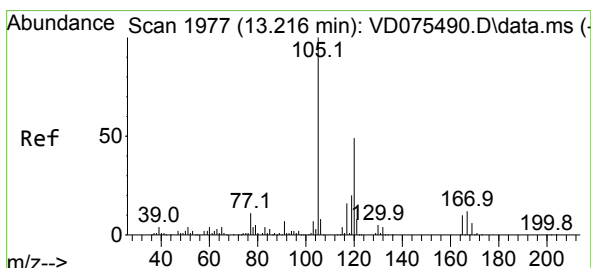
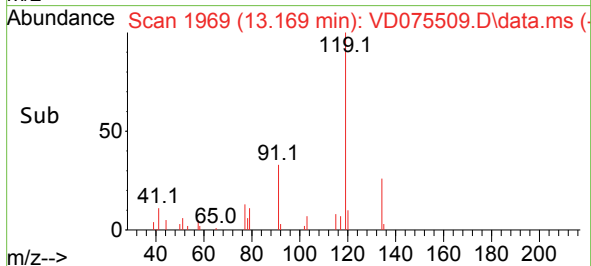
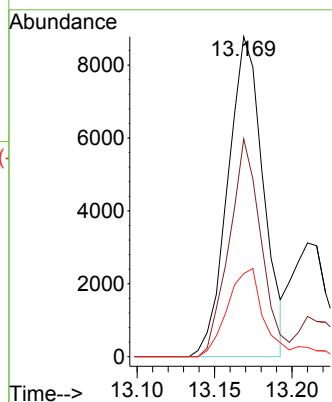
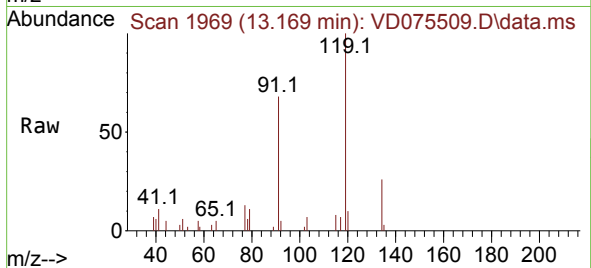
Tgt Ion:119 Resp: 13946

Ion Ratio Lower Upper

119 100

91 61.8 32.4 97.0

134 29.7 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 3.432 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. -0.000 min

Lab File: VD075509.D

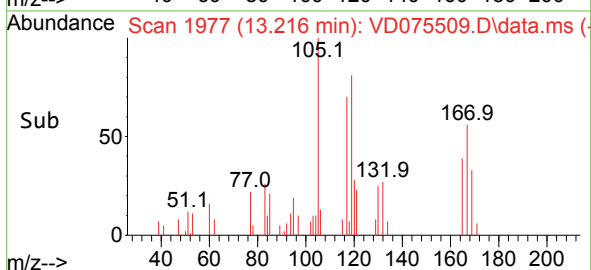
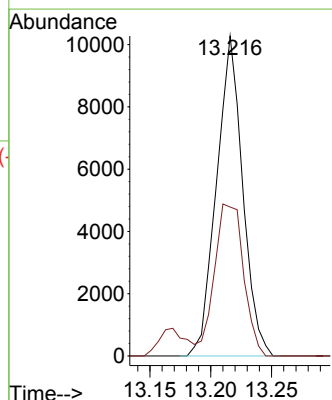
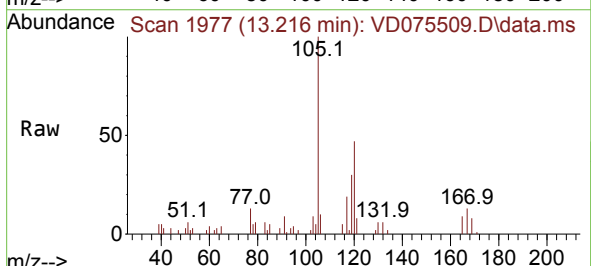
Acq: 13 Mar 2023 15:09

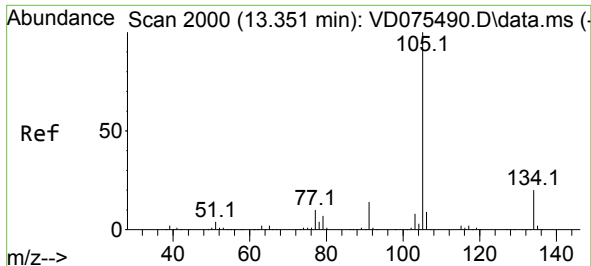
Tgt Ion:105 Resp: 15345

Ion Ratio Lower Upper

105 100

120 52.9 22.3 66.9

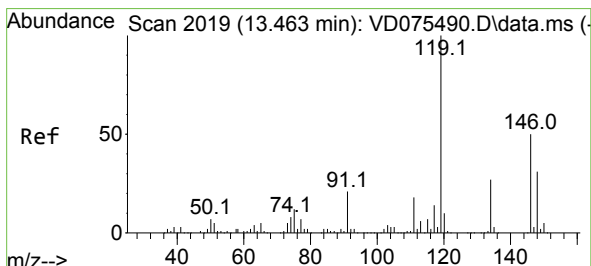
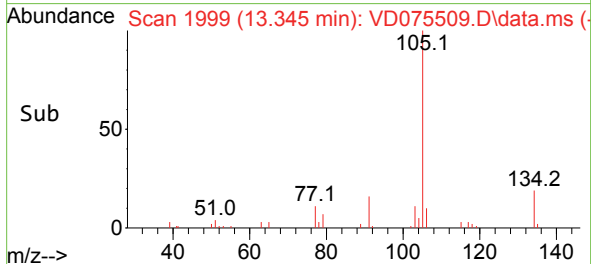
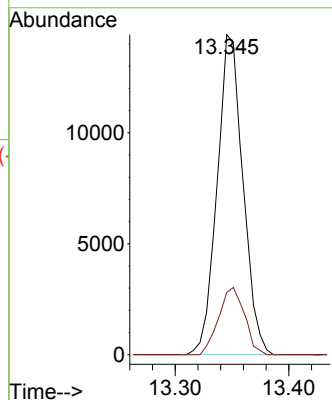
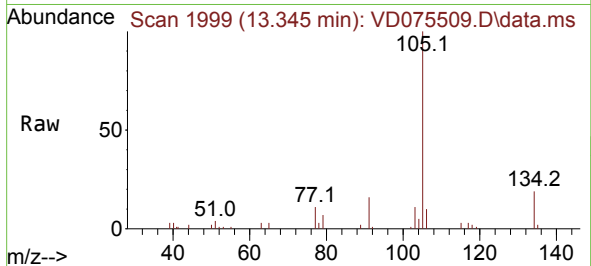




#85
 sec-Butylbenzene
 Concen: 3.666 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

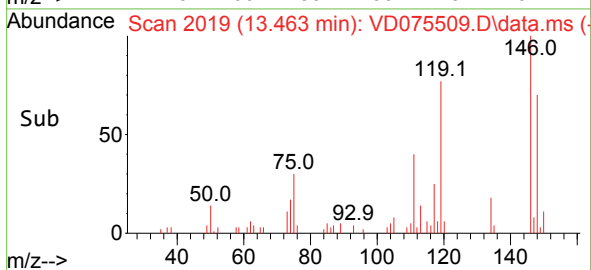
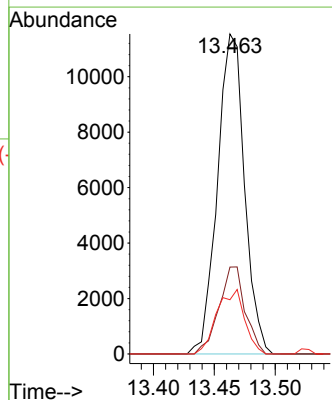
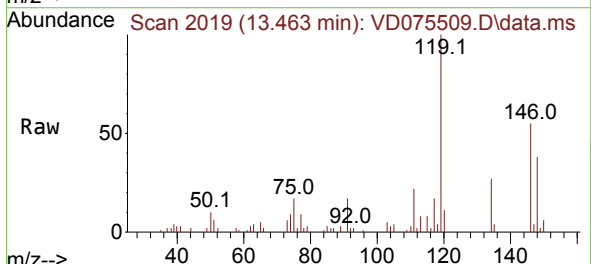
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

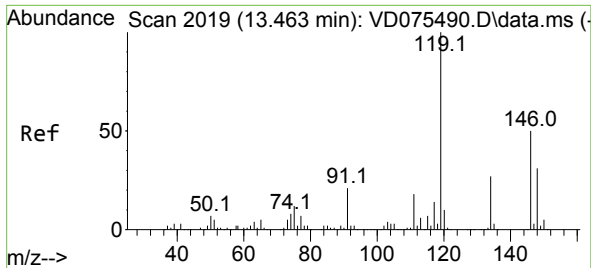
Tgt Ion:105 Resp: 22820
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 3.513 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VD075509.D
 Acq: 13 Mar 2023 15:09

Tgt Ion:119 Resp: 17867
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.3
 91 20.7 12.4 37.4

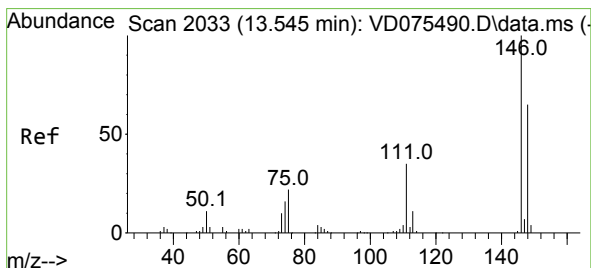
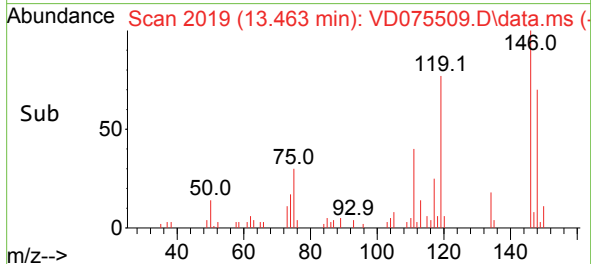
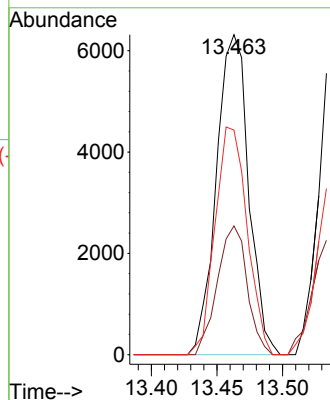
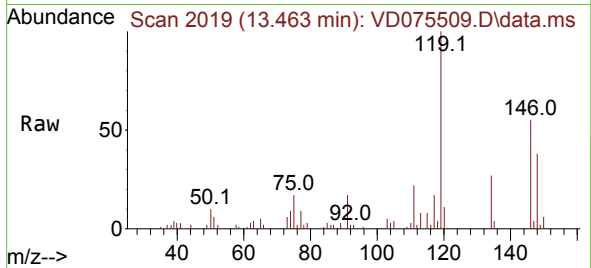




#87
1,3-Dichlorobenzene
Concen: 3.908 ug/l
RT: 13.463 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

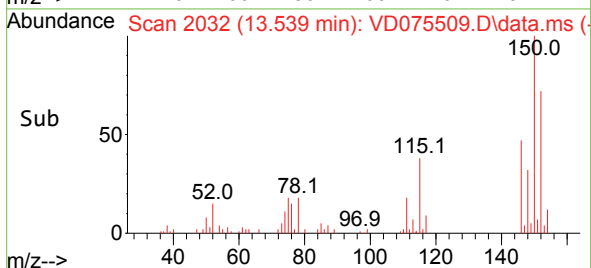
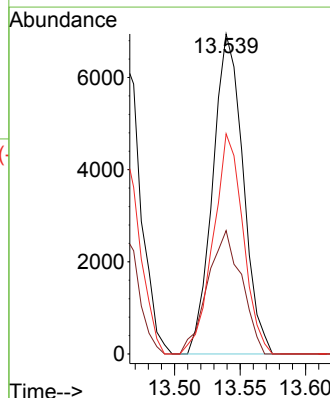
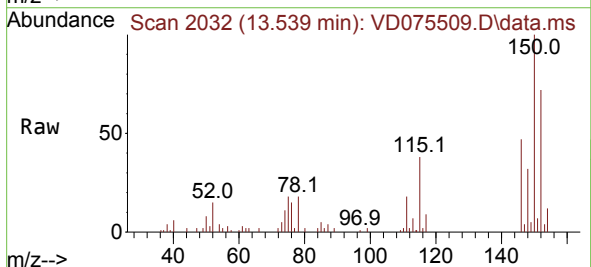
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

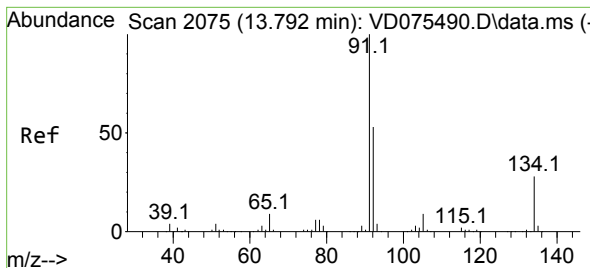
Tgt Ion:146 Resp: 10835
Ion Ratio Lower Upper
146 100
111 37.1 19.8 59.3
148 70.4 31.0 93.0



#88
1,4-Dichlorobenzene
Concen: 4.078 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:146 Resp: 11184
Ion Ratio Lower Upper
146 100
111 43.3 19.6 58.8
148 67.9 31.7 95.1





#89

n-Butylbenzene

Concen: 3.703 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

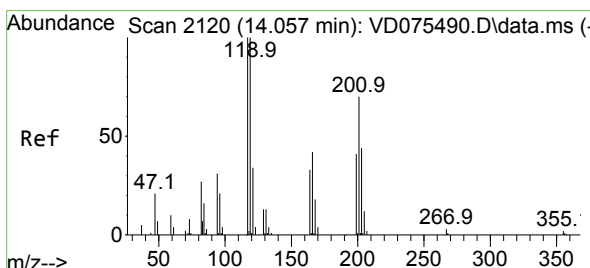
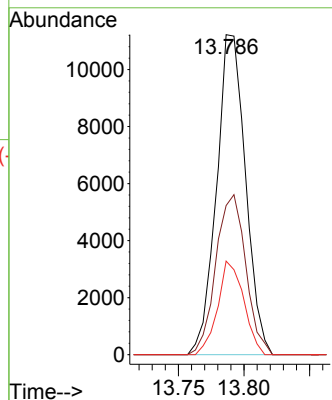
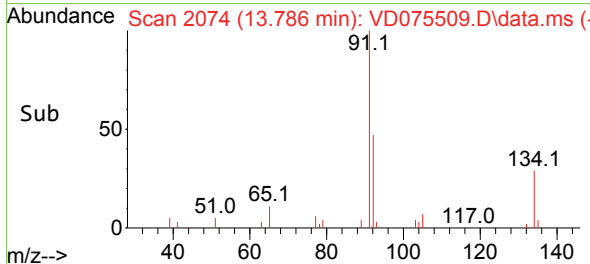
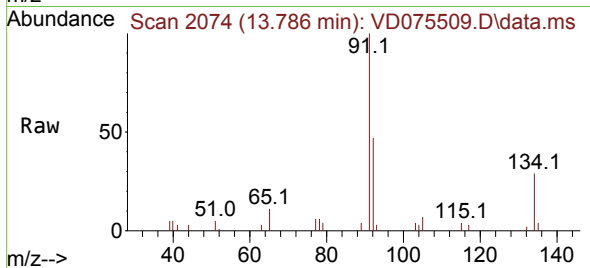
Tgt Ion: 91 Resp: 17276

Ion Ratio Lower Upper

91 100

92 51.5 26.2 78.5

134 26.2 12.7 38.0



#90

Hexachloroethane

Concen: 3.815 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. -0.000 min

Lab File: VD075509.D

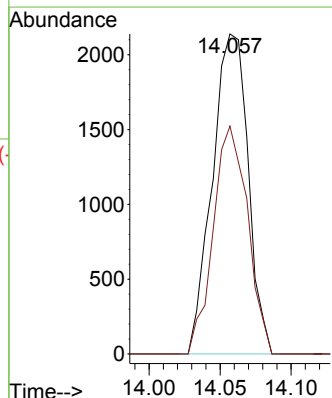
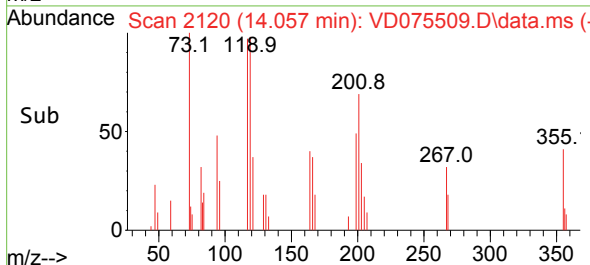
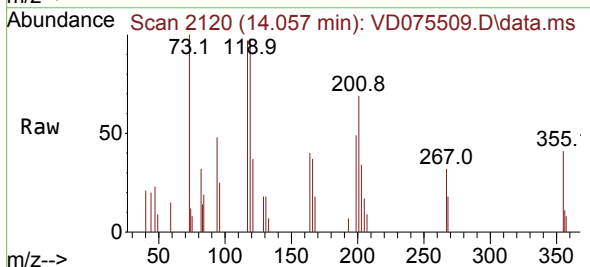
Acq: 13 Mar 2023 15:09

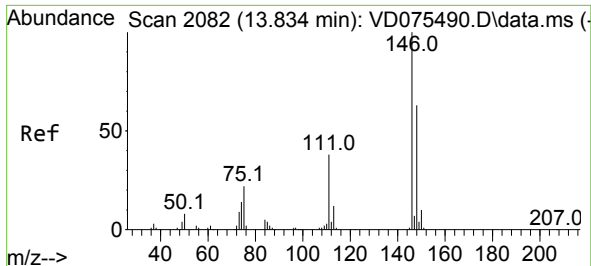
Tgt Ion: 117 Resp: 3747

Ion Ratio Lower Upper

117 100

201 68.5 34.5 103.6





#91

1,2-Dichlorobenzene

Concen: 3.826 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

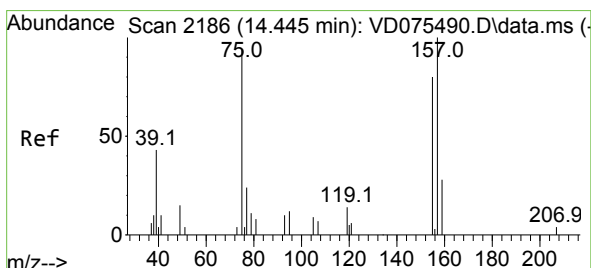
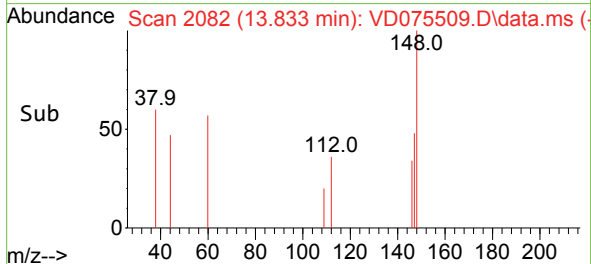
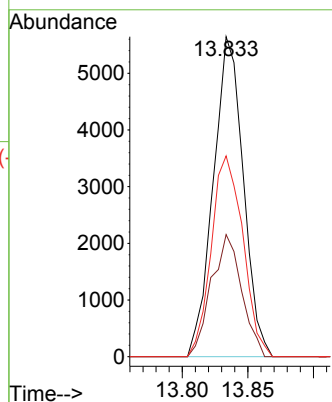
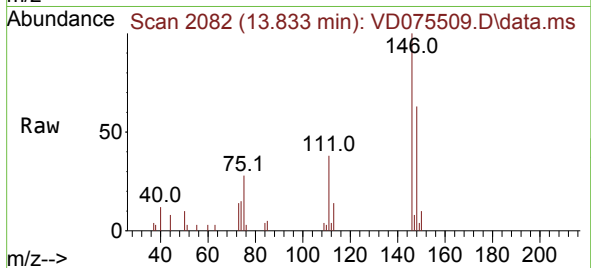
Tgt Ion:146 Resp: 8976

Ion Ratio Lower Upper

146 100

111 38.5 20.6 61.8

148 66.1 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.219 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

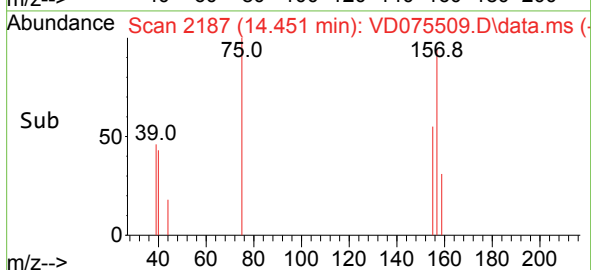
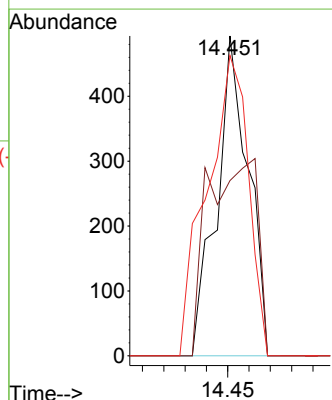
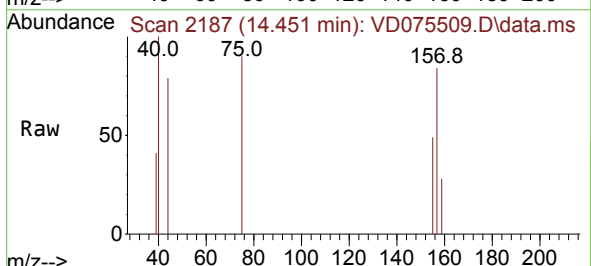
Tgt Ion: 75 Resp: 508

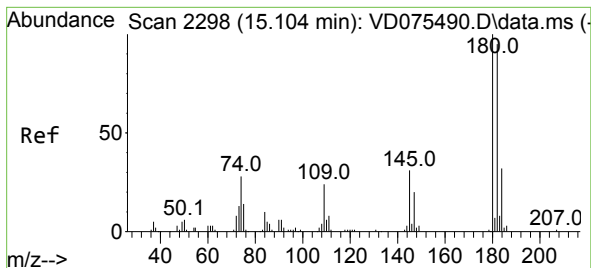
Ion Ratio Lower Upper

75 100

155 96.3 39.5 118.5

157 122.8 53.5 160.7





#93

1,2,4-Trichlorobenzene

Concen: 3.859 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

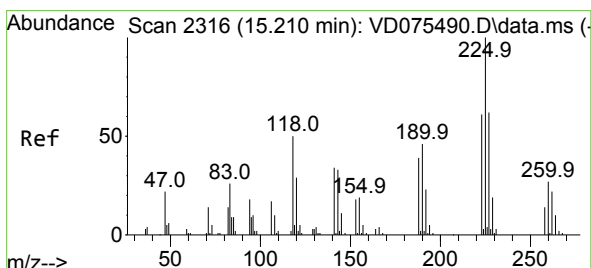
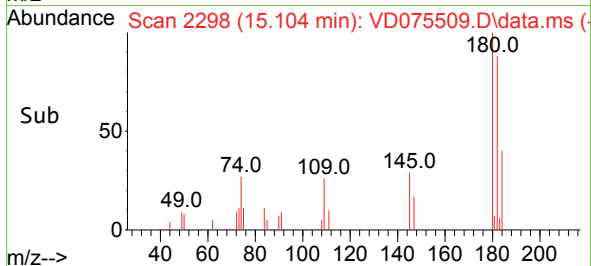
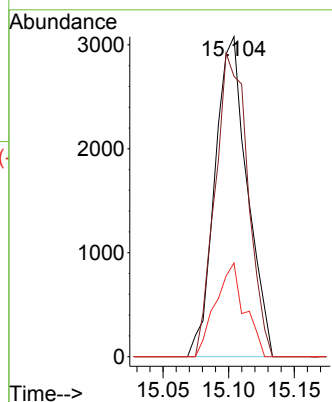
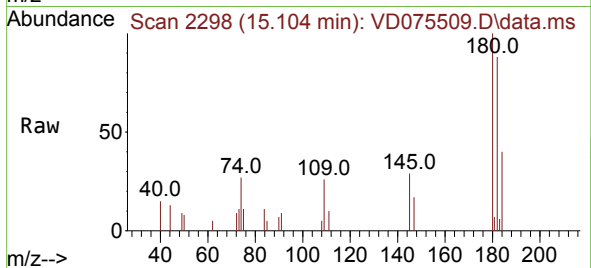
Tgt Ion:180 Resp: 5280

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 26.3 15.9 47.7



#94

Hexachlorobutadiene

Concen: 3.840 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.006 min

Lab File: VD075509.D

Acq: 13 Mar 2023 15:09

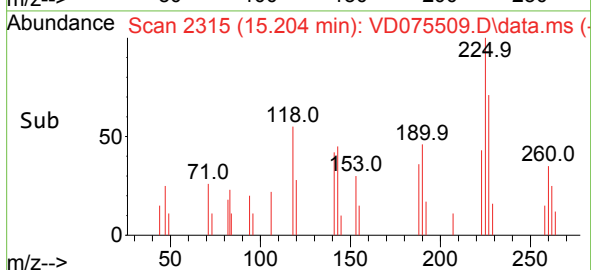
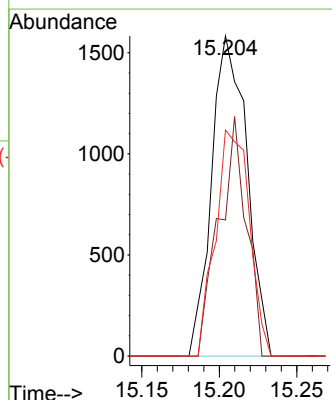
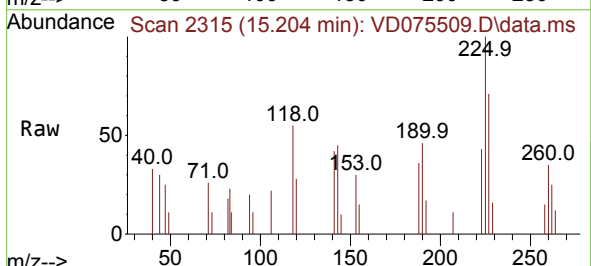
Tgt Ion:225 Resp: 2506

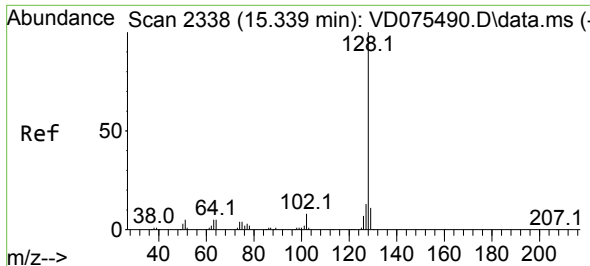
Ion Ratio Lower Upper

225 100

223 57.9 33.1 99.2

227 67.9 31.9 95.9

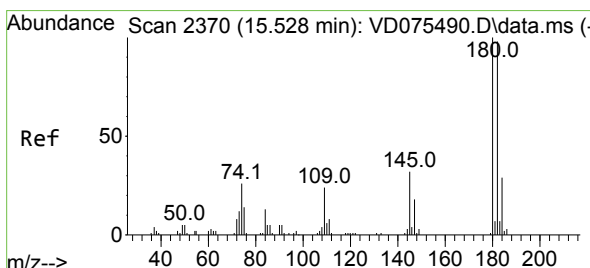
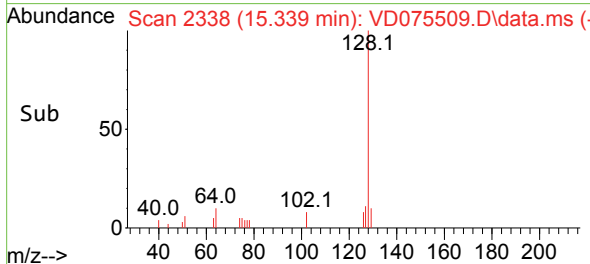
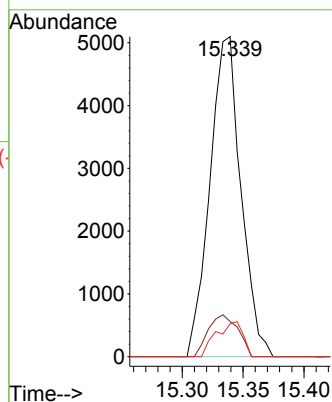
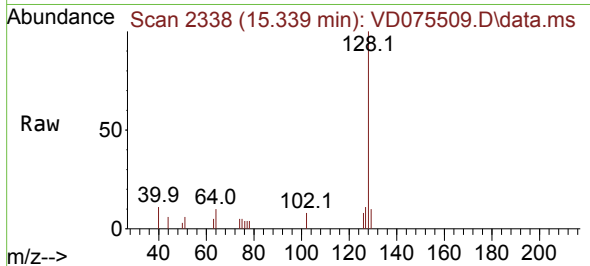




#95
Naphthalene
Concen: 3.597 ug/l
RT: 15.339 min Scan# 213
Delta R.T. -0.000 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

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

Tgt Ion:	128	Resp:	9035
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.4	15.6
129	9.4	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 3.693 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD075509.D
Acq: 13 Mar 2023 15:09

Tgt Ion:	180	Resp:	4360
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.7	143.1
145	27.8	16.4	49.4

