

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076771.D
 Acq On : 18 Jul 2023 12:00
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Jul 19 08:16:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 19 08:14:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	174424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	315832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	281712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82845	47.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.380%
35) Dibromofluoromethane	7.810	113	98447	49.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.200%
50) Toluene-d8	10.269	98	326707	46.015	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.575	95	105059	45.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.480%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	6964	5.106	ug/l	95
3) Chloromethane	2.146	50	10856	4.614	ug/l	98
4) Vinyl Chloride	2.275	62	15822	5.045	ug/l #	86
5) Bromomethane	2.687	94	13958	5.409	ug/l	99
6) Chloroethane	2.828	64	11609	4.902	ug/l	98
7) Trichlorofluoromethane	3.170	101	13972	5.006	ug/l	91
8) Diethyl Ether	3.599	74	4354	4.531	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.958	101	9581	5.223	ug/l	97
10) Methyl Iodide	4.158	142	8487	4.104	ug/l	91
11) Tert butyl alcohol	5.046	59	886	6.834	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	8878	5.151	ug/l #	91
13) Acrolein	3.781	56	1849	20.929	ug/l	88
14) Allyl chloride	4.552	41	10082	4.453	ug/l	93
15) Acrylonitrile	5.246	53	9430	19.981	ug/l #	88
16) Acetone	4.022	43	8630	20.800	ug/l #	81
17) Carbon Disulfide	4.264	76	17227	4.279	ug/l	98
18) Methyl Acetate	4.569	43	6902	4.428	ug/l #	42
19) Methyl tert-butyl Ether	5.316	73	19581	4.236	ug/l	91
20) Methylene Chloride	4.805	84	22463	6.546	ug/l #	96
21) trans-1,2-Dichloroethene	5.305	96	8999	4.492	ug/l	83
22) Diisopropyl ether	6.216	45	22621	4.219	ug/l	96
23) Vinyl Acetate	6.158	43	54184	20.425	ug/l #	84
24) 1,1-Dichloroethane	6.105	63	17596	4.868	ug/l	96
25) 2-Butanone	7.075	43	14427	25.981	ug/l	88
26) 2,2-Dichloropropane	7.081	77	18174	5.832	ug/l	81
27) cis-1,2-Dichloroethene	7.069	96	11144	4.512	ug/l	83
28) Bromochloromethane	7.422	49	3638	4.025	ug/l #	81
29) Tetrahydrofuran	7.440	42	6458	19.684	ug/l	98
30) Chloroform	7.593	83	18578	4.692	ug/l	86
31) Cyclohexane	7.881	56	14884	5.821	ug/l #	93
32) 1,1,1-Trichloroethane	7.799	97	16297	5.102	ug/l	97
36) 1,1-Dichloropropene	7.999	75	13362	5.152	ug/l	92
37) Ethyl Acetate	7.169	43	5359	4.621	ug/l #	92
38) Carbon Tetrachloride	7.987	117	10816	4.355	ug/l	99
39) Methylcyclohexane	9.269	83	13964	4.663	ug/l	98
40) Benzene	8.246	78	38688	4.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	3175	4.483	ug/l #	76
42) 1,2-Dichloroethane	8.322	62	9703	4.564	ug/l	97
43) Isopropyl Acetate	8.357	43	9372	4.140	ug/l #	76
44) Trichloroethene	9.022	130	10881	4.880	ug/l	83
45) 1,2-Dichloropropane	9.299	63	10224	4.840	ug/l	99
46) Dibromomethane	9.399	93	6086	4.922	ug/l	84
47) Bromodichloromethane	9.581	83	15112	4.870	ug/l #	97
48) Methyl methacrylate	9.381	41	3861	3.748	ug/l #	75
49) 1,4-Dioxane	9.381	88	1383	87.303	ug/l #	83
51) 4-Methyl-2-Pentanone	10.157	43	25155	20.873	ug/l	92
52) Toluene	10.334	92	24950	4.642	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	12087	4.197	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	14988	4.416	ug/l	95
55) 1,1,2-Trichloroethane	10.740	97	8282	4.587	ug/l #	89
56) Ethyl methacrylate	10.599	69	8630	4.141	ug/l #	87
57) 1,3-Dichloropropane	10.875	76	12013	4.086	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	16268	20.168	ug/l	96
59) 2-Hexanone	10.922	43	16395	19.065	ug/l	90
60) Dibromochloromethane	11.075	129	9193	4.383	ug/l	97
61) 1,2-Dibromoethane	11.181	107	7840	4.684	ug/l	92
64) Tetrachloroethene	10.804	164	8160	5.080	ug/l	93
65) Chlorobenzene	11.610	112	26817	4.733	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.687	131	9885	4.686	ug/l	97
67) Ethyl Benzene	11.681	91	44138	4.436	ug/l	98
68) m/p-Xylenes	11.793	106	32737	8.567	ug/l	86
69) o-Xylene	12.122	106	15516	4.199	ug/l	86
70) Styrene	12.134	104	25430	3.931	ug/l	90
71) Bromoform	12.304	173	4973	4.305	ug/l #	96
73) Isopropylbenzene	12.422	105	42747	4.640	ug/l	96
74) N-amyl acetate	12.234	43	8135	4.191	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	9540	4.823	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	10162	8.415	ug/l #	100
77) Bromobenzene	12.698	156	9954	4.681	ug/l	84
78) n-propylbenzene	12.763	91	56051	5.018	ug/l	94
79) 2-Chlorotoluene	12.845	91	28805	4.703	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	33867	4.546	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	2338	4.120	ug/l	94
82) 4-Chlorotoluene	12.945	91	29941	4.680	ug/l	97
83) tert-Butylbenzene	13.169	119	30836	4.701	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	33988	4.464	ug/l	97
85) sec-Butylbenzene	13.345	105	46933	4.683	ug/l	95
86) p-Isopropyltoluene	13.457	119	37337	4.511	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	20744	4.742	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	21139	4.933	ug/l	92
89) n-Butylbenzene	13.787	91	37210	4.594	ug/l	97
90) Hexachloroethane	14.051	117	7631	4.987	ug/l	93
91) 1,2-Dichlorobenzene	13.828	146	18761	4.867	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.434	75	1465	5.194	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	10556	4.486	ug/l	98
94) Hexachlorobutadiene	15.204	225	5626	4.971	ug/l	95
95) Naphthalene	15.334	128	21122	4.146	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	9482	4.490	ug/l	95

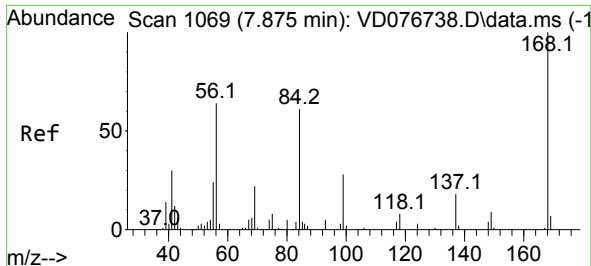
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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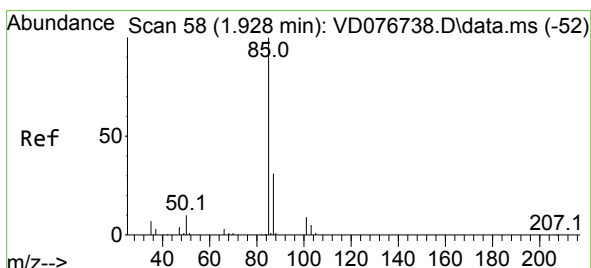
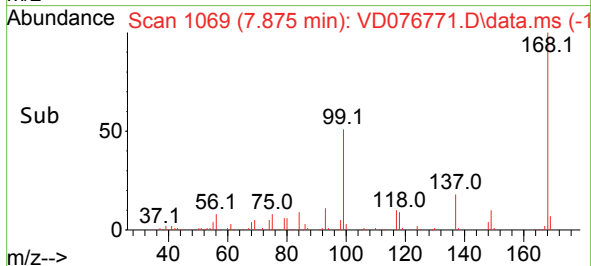
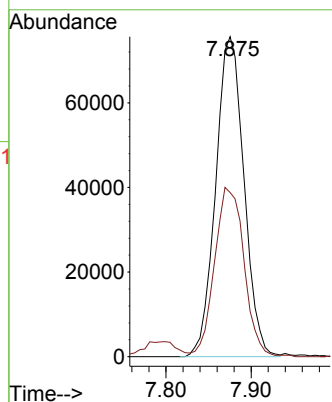
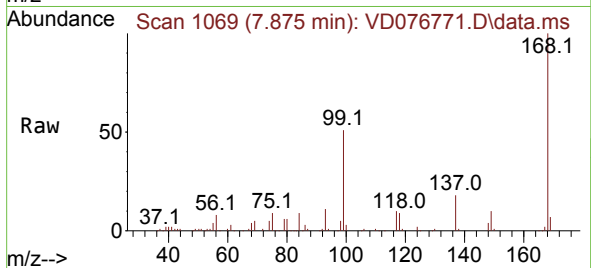
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

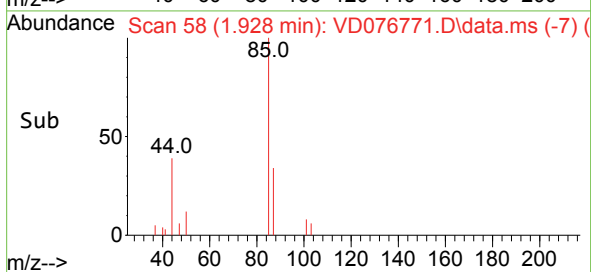
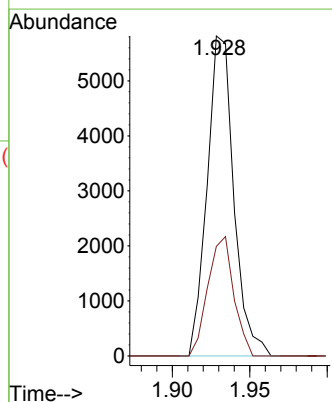
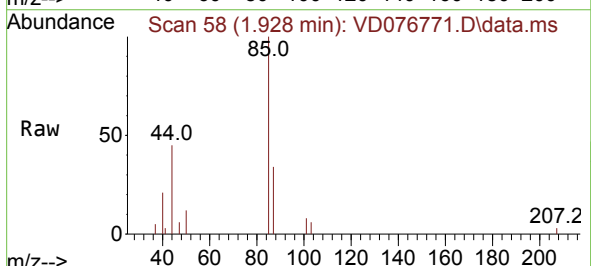
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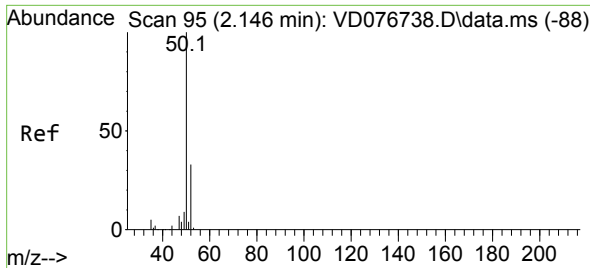
Tgt Ion:168 Resp: 174424
Ion Ratio Lower Upper
168 100
99 50.8 36.7 55.1



#2
Dichlorodifluoromethane
Concen: 5.106 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 85 Resp: 6964
Ion Ratio Lower Upper
85 100
87 34.3 15.7 47.0

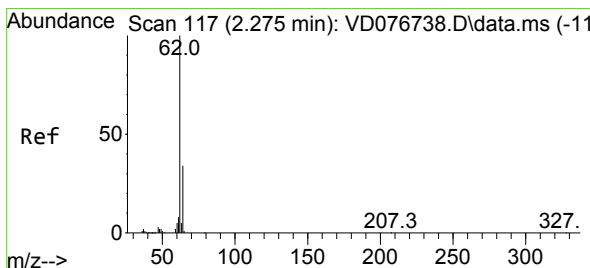
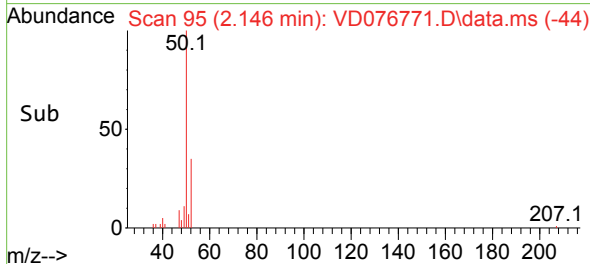
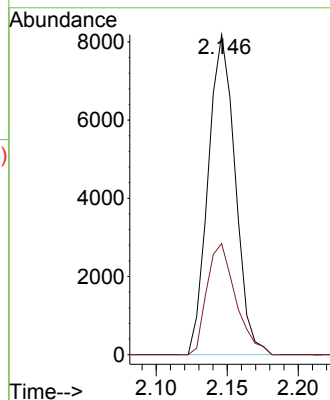
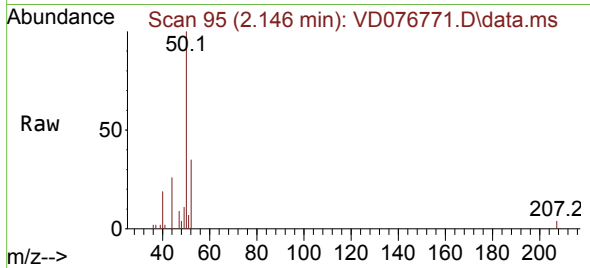




#3
Chloromethane
Concen: 4.614 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

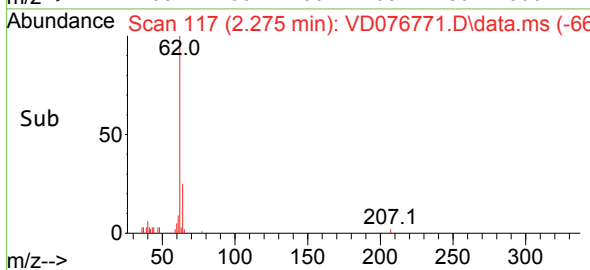
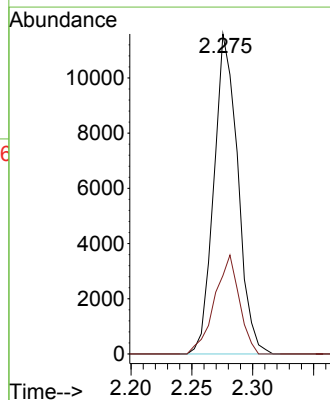
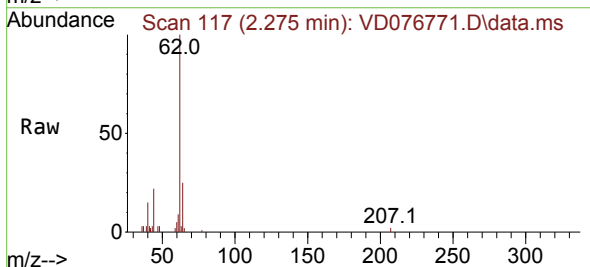
Instrument :
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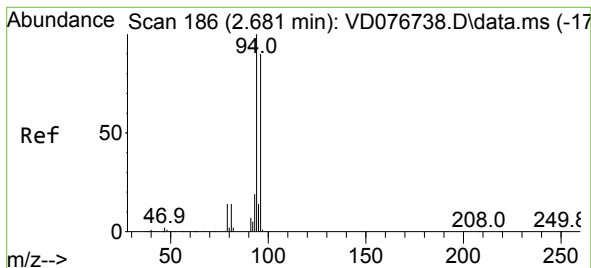
Tgt Ion: 50 Resp: 10856
Ion Ratio Lower Upper
50 100
52 34.7 26.6 40.0



#4
Vinyl Chloride
Concen: 5.045 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 62 Resp: 15822
Ion Ratio Lower Upper
62 100
64 24.5 26.0 39.0#





#5

Bromomethane

Concen: 5.409 ug/l

RT: 2.687 min Scan# 186

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

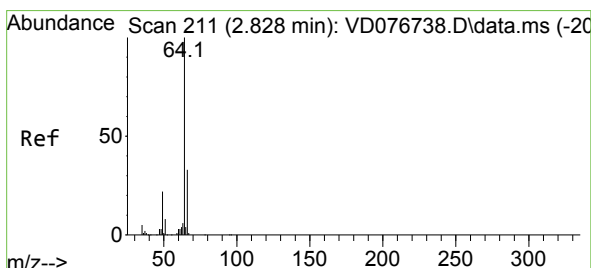
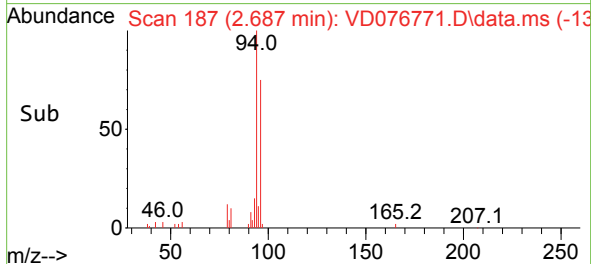
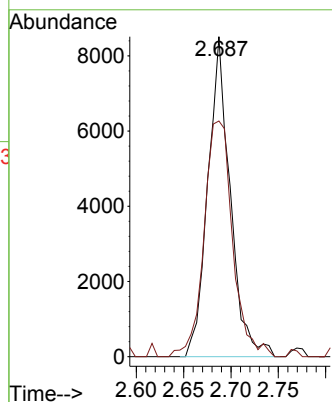
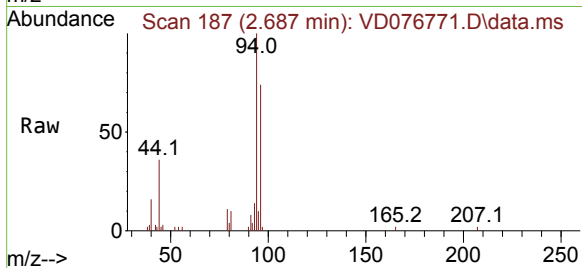
MDL-SOIL-03-QT3-2023

Tgt Ion: 94 Resp: 13958

Ion Ratio Lower Upper

94 100

96 94.0 75.8 113.8



#6

Chloroethane

Concen: 4.902 ug/l

RT: 2.828 min Scan# 211

Delta R.T. 0.000 min

Lab File: VD076771.D

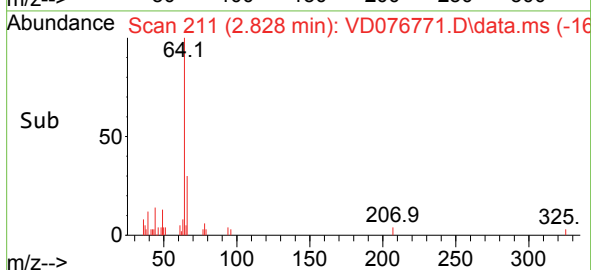
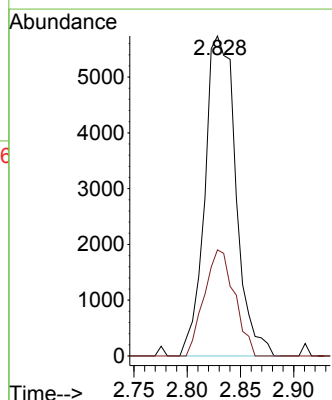
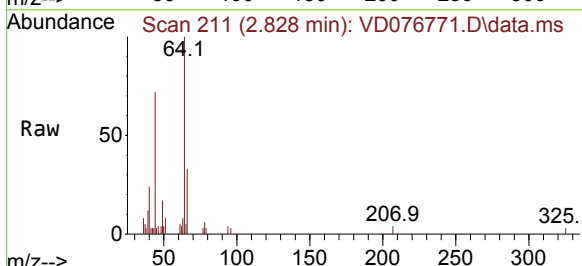
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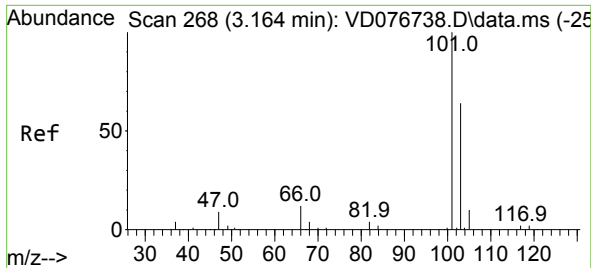
Tgt Ion: 64 Resp: 11609

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3

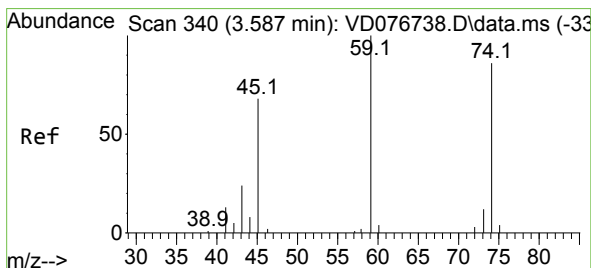
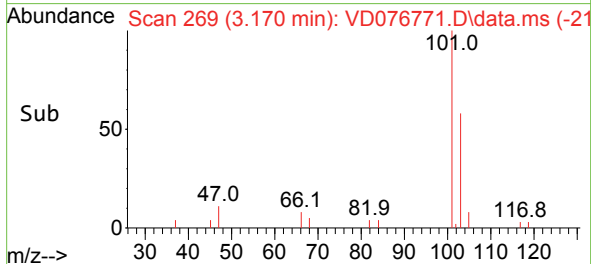
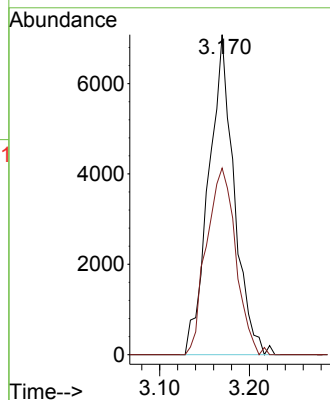
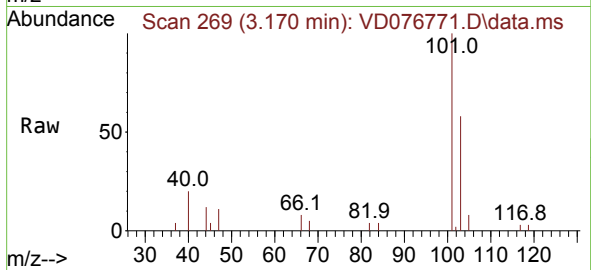




#7
Trichlorofluoromethane
Concen: 5.006 ug/l
RT: 3.170 min Scan# 201
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

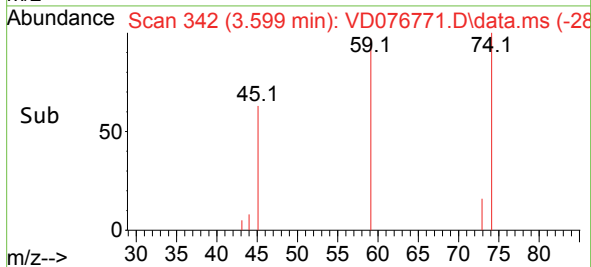
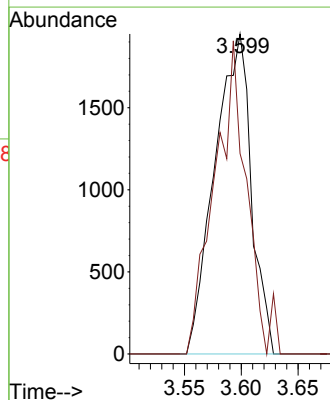
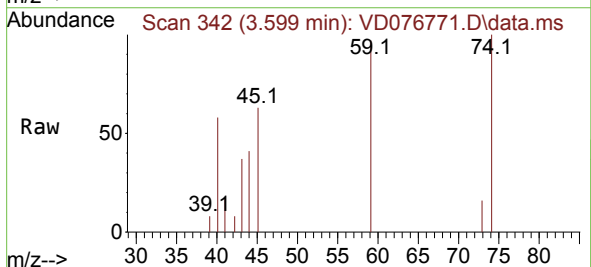
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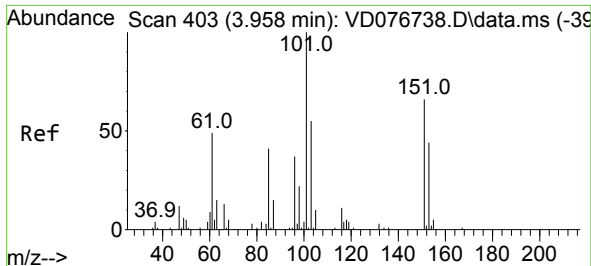
Tgt Ion:101 Resp: 13972
Ion Ratio Lower Upper
101 100
103 58.3 52.3 78.5



#8
Diethyl Ether
Concen: 4.531 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.012 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 74 Resp: 4354
Ion Ratio Lower Upper
74 100
45 83.1 37.5 112.7

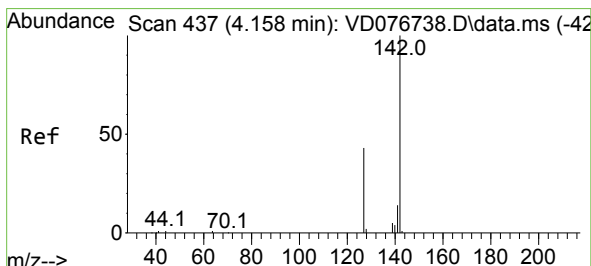
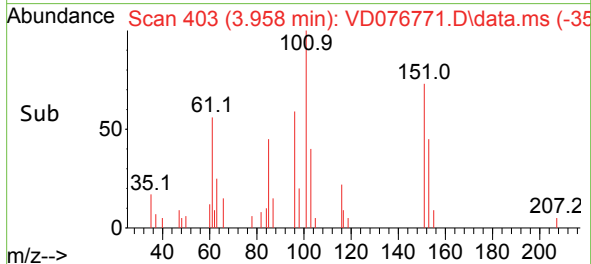
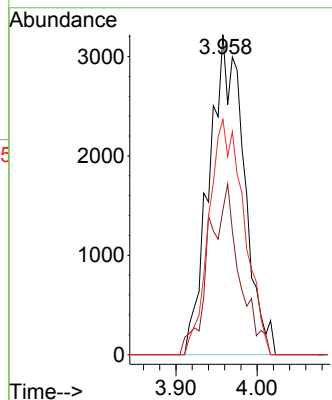
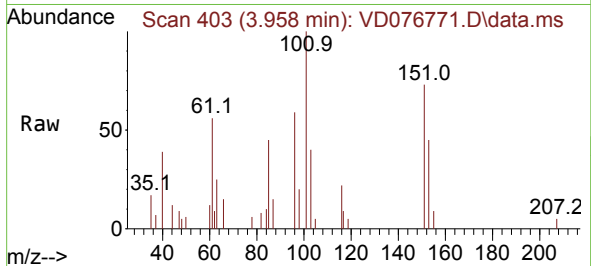




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.223 ug/l
RT: 3.958 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

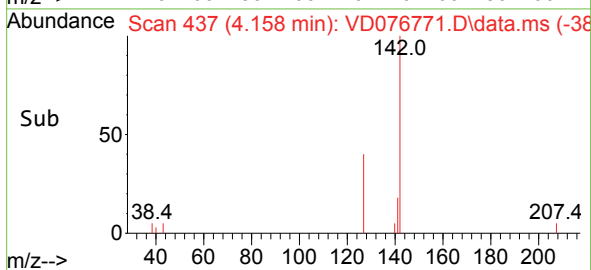
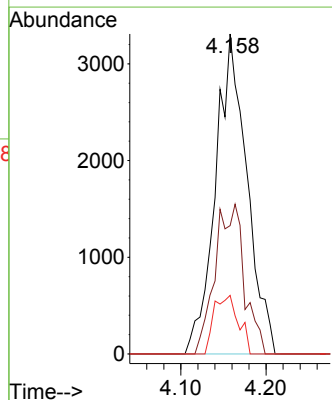
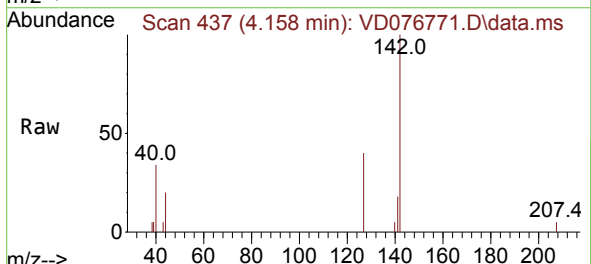
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

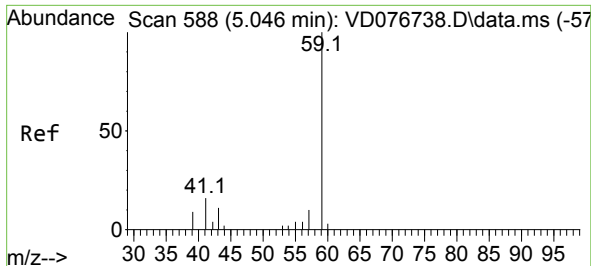
Tgt Ion:	101	Resp:	9581
Ion	Ratio	Lower	Upper
101	100		
85	47.5	33.8	50.6
151	74.3	59.8	89.6



#10
Methyl Iodide
Concen: 4.104 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:	142	Resp:	8487
Ion	Ratio	Lower	Upper
142	100		
127	43.6	29.4	44.0
141	14.2	11.1	16.7





#11

Tert butyl alcohol

Concen: 6.834 ug/l

RT: 5.046 min Scan# 51

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

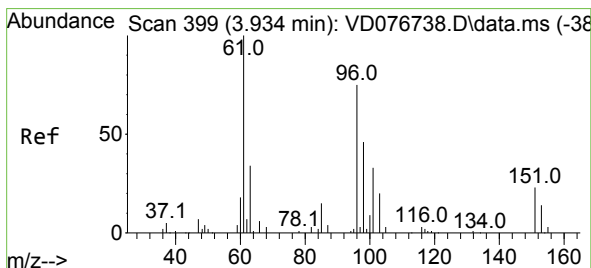
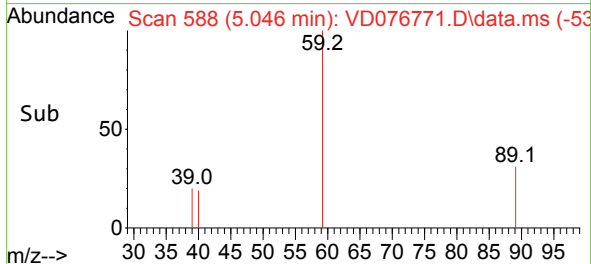
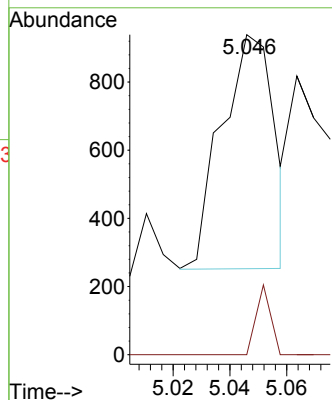
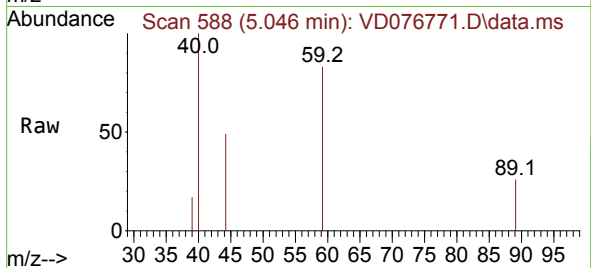
MDL-SOIL-03-QT3-2023

Tgt Ion: 59 Resp: 886

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 5.151 ug/l

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

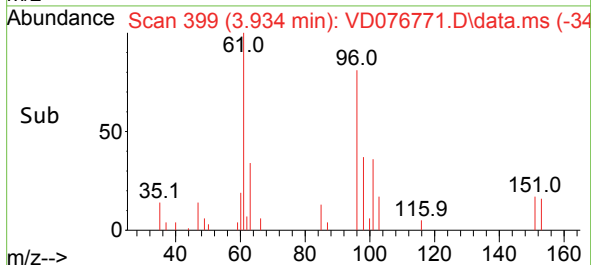
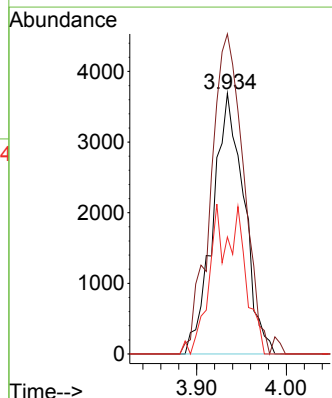
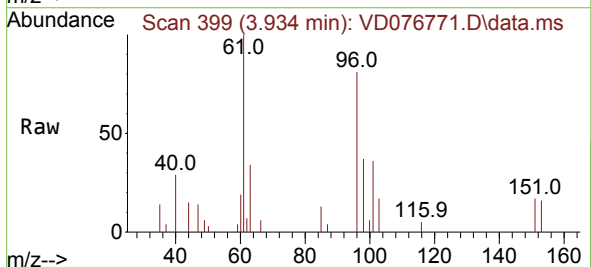
Tgt Ion: 96 Resp: 8878

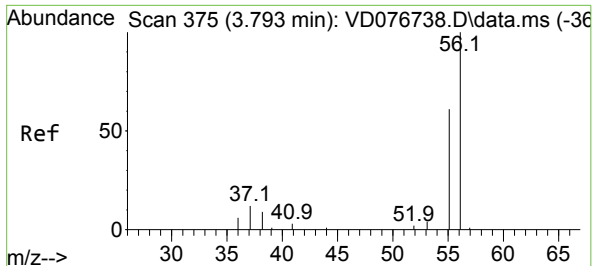
Ion Ratio Lower Upper

96 100

61 122.8 100.6 150.8

98 44.9 50.2 75.2#

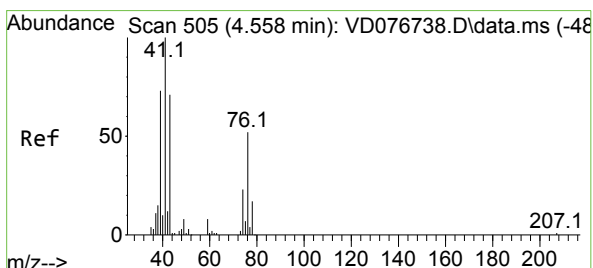
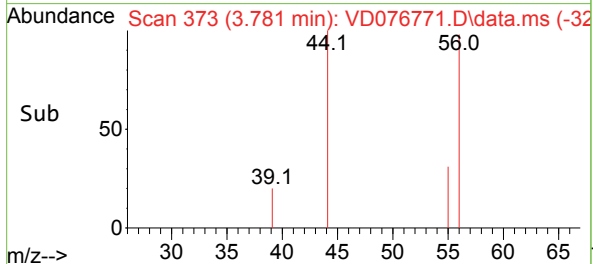
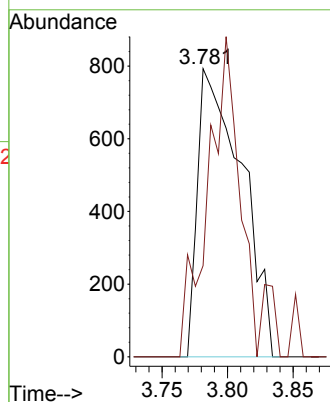
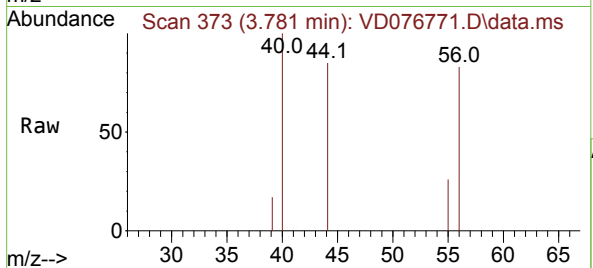




#13
Acrolein
Concen: 20.929 ug/l
RT: 3.781 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

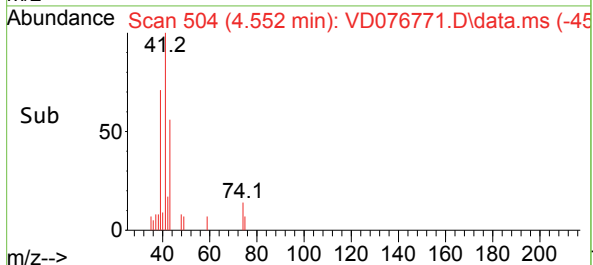
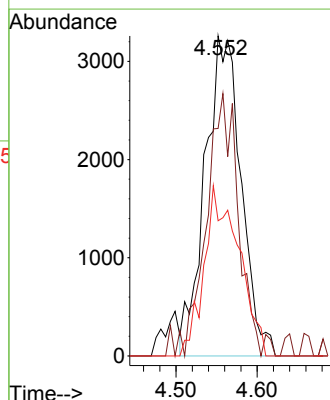
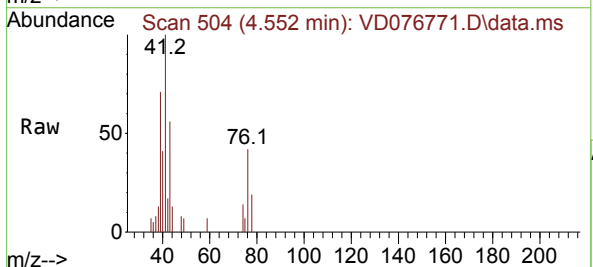
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

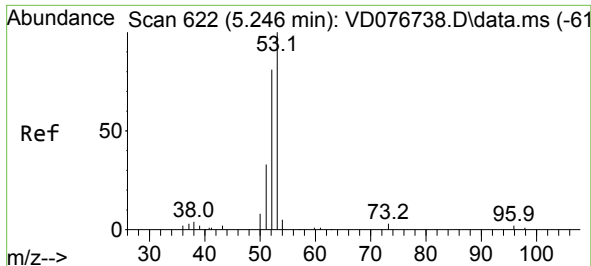
Tgt Ion: 56 Resp: 1849
Ion Ratio Lower Upper
56 100
55 78.9 55.1 82.7



#14
Allyl chloride
Concen: 4.453 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 41 Resp: 10082
Ion Ratio Lower Upper
41 100
39 71.6 53.8 80.6
76 51.1 45.8 68.8

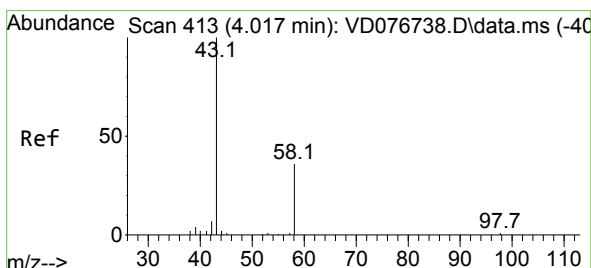
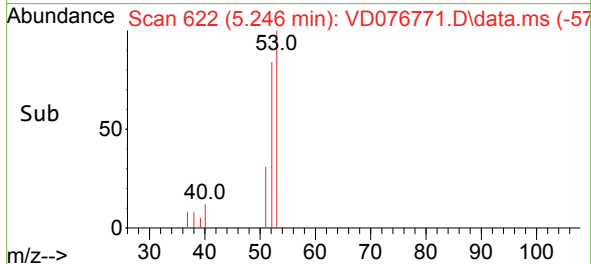
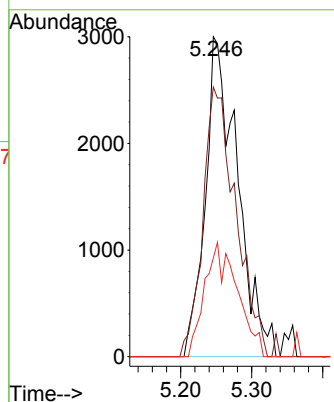
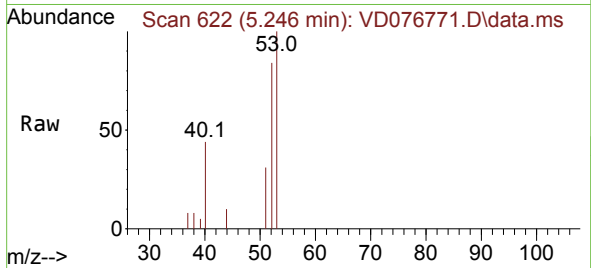




#15
Acrylonitrile
Concen: 19.981 ug/l
RT: 5.246 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

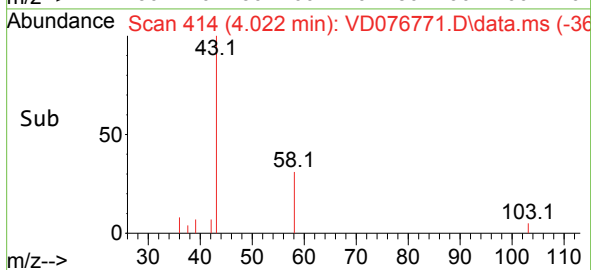
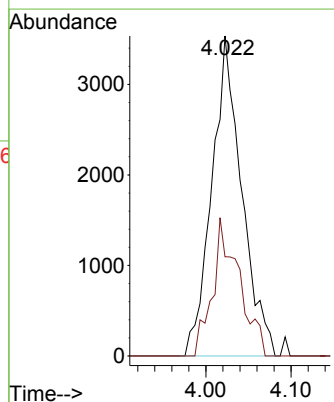
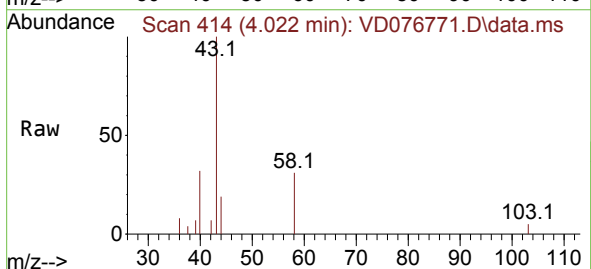
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

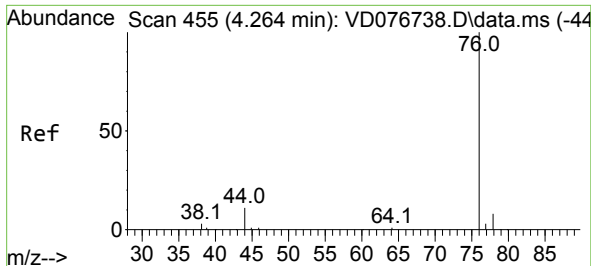
Tgt Ion:	53	Resp:	9430
Ion	Ratio	Lower	Upper
53	100		
52	86.1	65.0	97.4
51	19.1	28.3	42.5#



#16
Acetone
Concen: 20.800 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:	43	Resp:	8630
Ion	Ratio	Lower	Upper
43	100		
58	31.0	34.7	52.1#

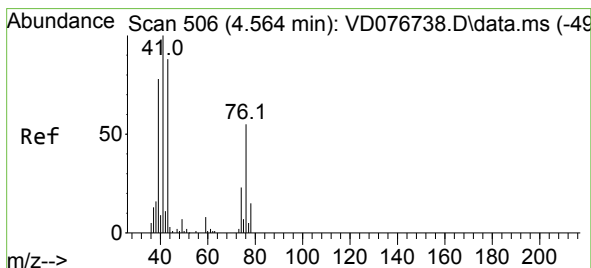
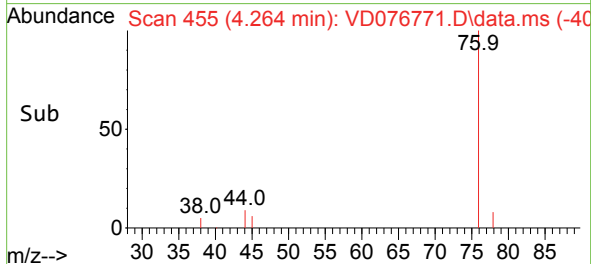
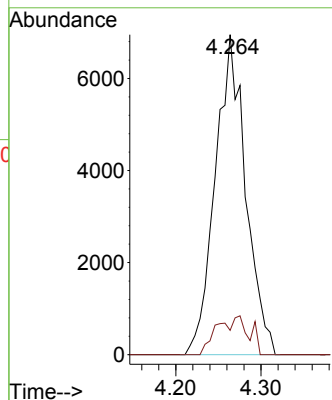
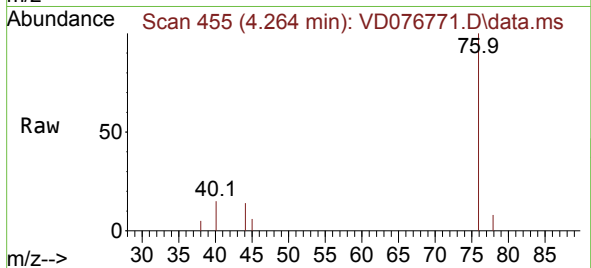




#17
Carbon Disulfide
Concen: 4.279 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

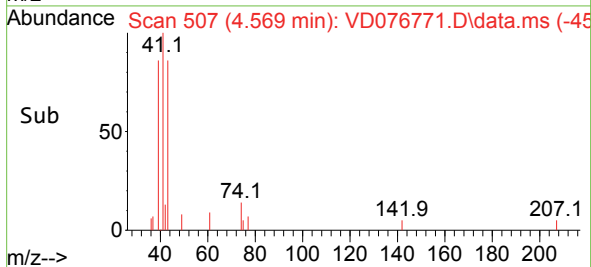
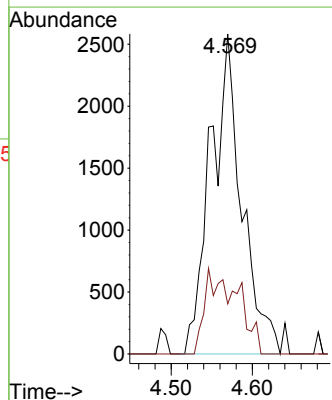
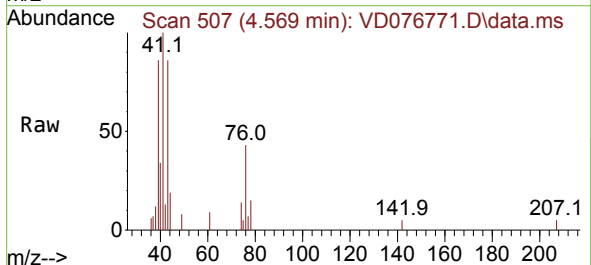
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

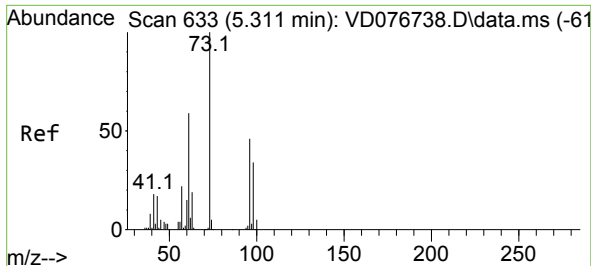
Tgt Ion: 76 Resp: 17227
Ion Ratio Lower Upper
76 100
78 7.6 6.8 10.2



#18
Methyl Acetate
Concen: 4.428 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 43 Resp: 6902
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 4.236 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.005 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

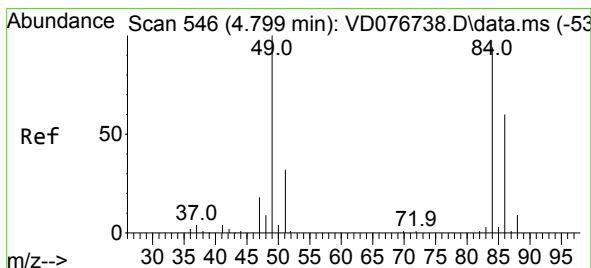
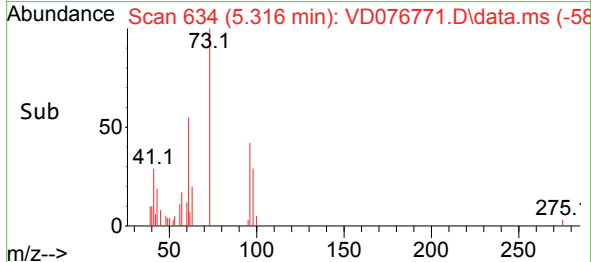
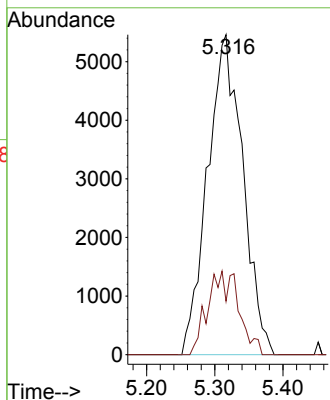
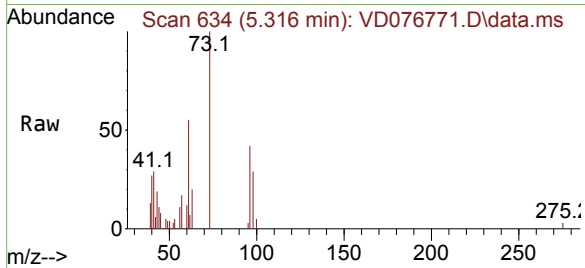
MDL-SOIL-03-QT3-2023

Tgt Ion: 73 Resp: 19581

Ion Ratio Lower Upper

73 100

57 16.7 16.6 25.0



#20

Methylene Chloride

Concen: 6.546 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion: 84 Resp: 22463

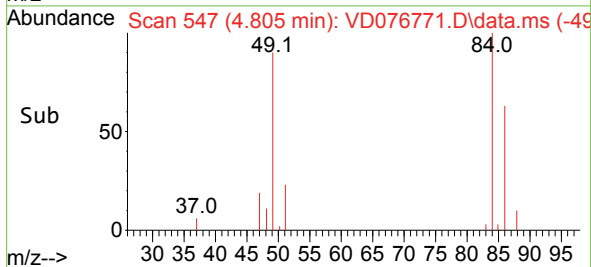
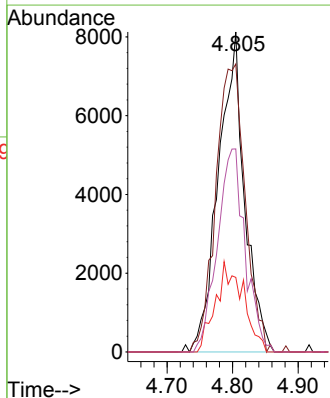
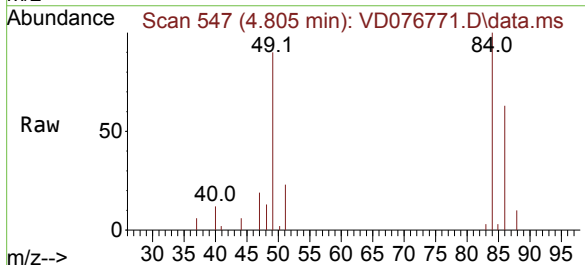
Ion Ratio Lower Upper

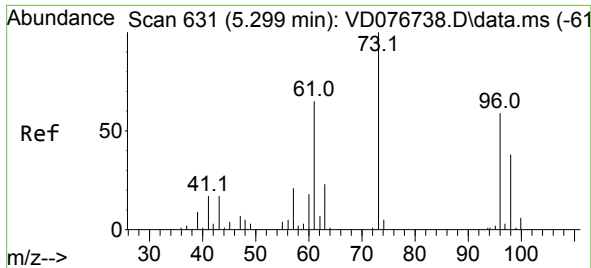
84 100

49 90.0 71.4 107.2

51 23.3 24.5 36.7#

86 63.5 48.7 73.1

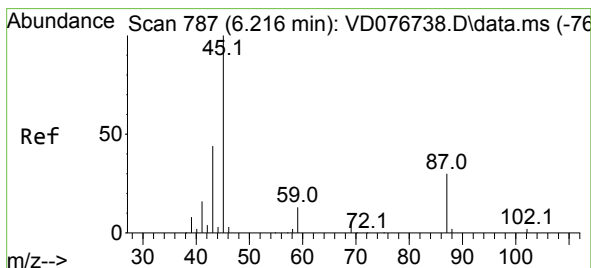
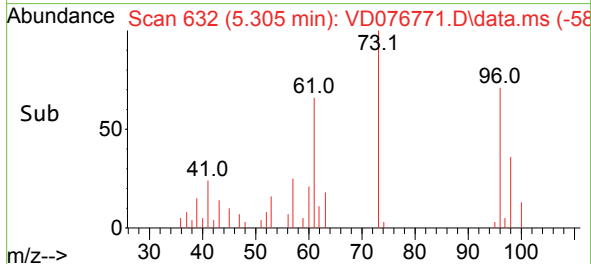
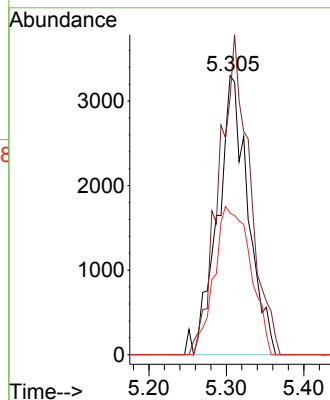
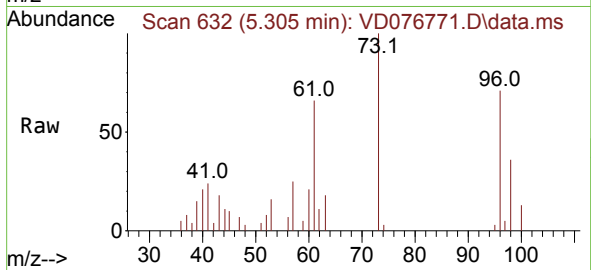




#21
trans-1,2-Dichloroethene
Concen: 4.492 ug/l
RT: 5.305 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

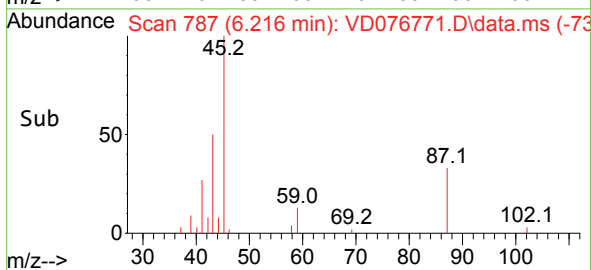
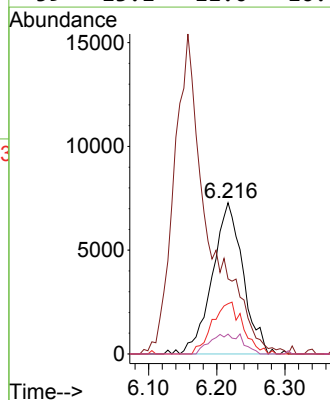
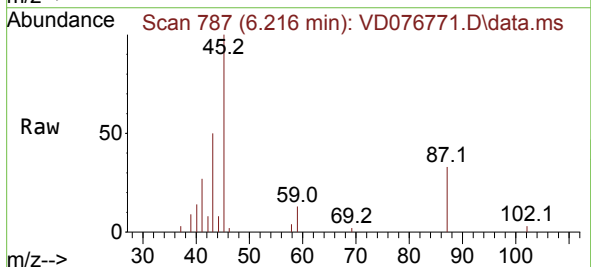
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

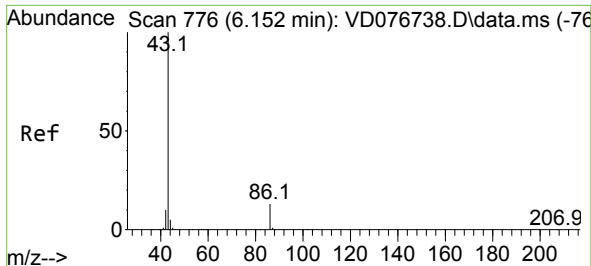
Tgt Ion: 96 Resp: 8999
Ion Ratio Lower Upper
96 100
61 92.2 89.3 133.9
98 50.7 48.6 73.0



#22
Diisopropyl ether
Concen: 4.219 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 45 Resp: 22621
Ion Ratio Lower Upper
45 100
43 46.1 40.0 60.0
87 33.2 28.2 42.4
59 13.1 11.0 16.4

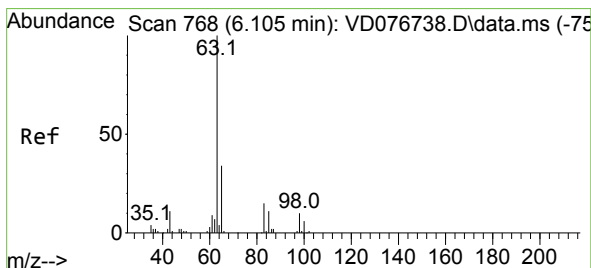
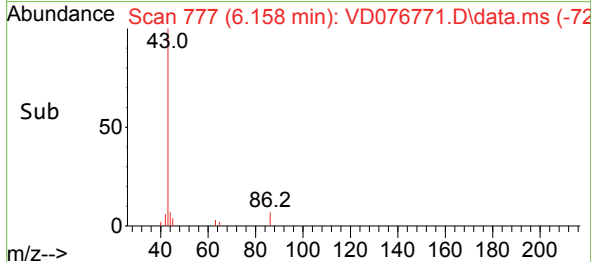
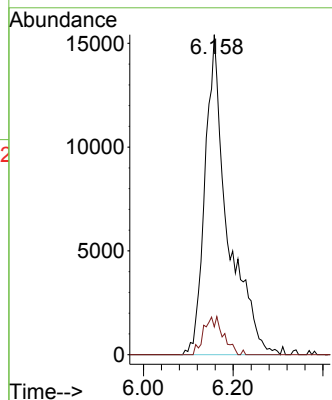
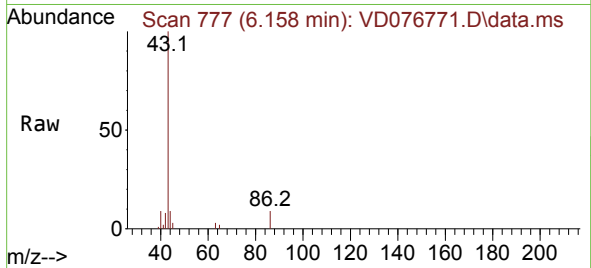




#23
 Vinyl Acetate
 Concen: 20.425 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

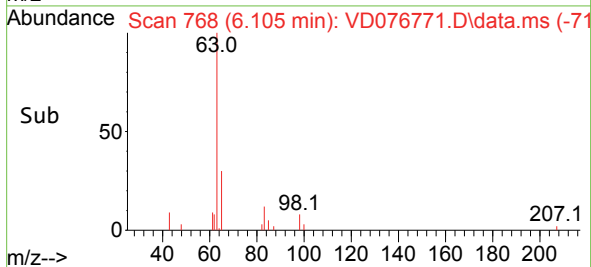
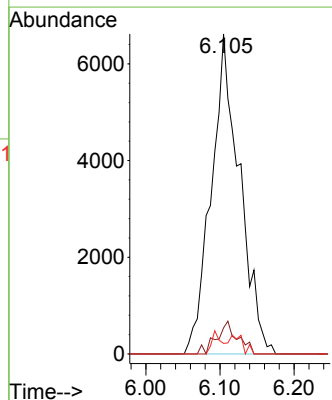
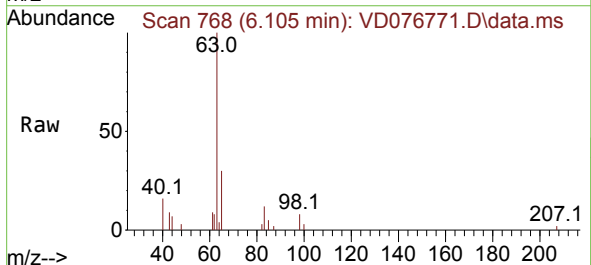
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

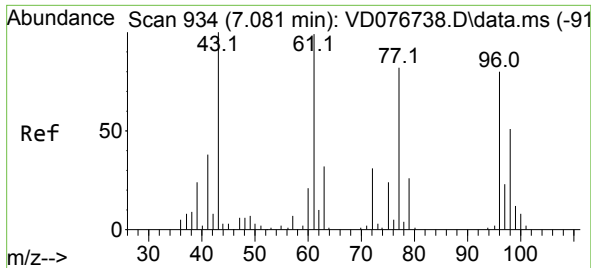
Tgt Ion: 43 Resp: 54184
 Ion Ratio Lower Upper
 43 100
 86 8.7 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 4.868 ug/l
 RT: 6.105 min Scan# 768
 Delta R.T. -0.000 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

Tgt Ion: 63 Resp: 17596
 Ion Ratio Lower Upper
 63 100
 98 8.1 4.5 13.7
 100 3.3 2.5 7.5

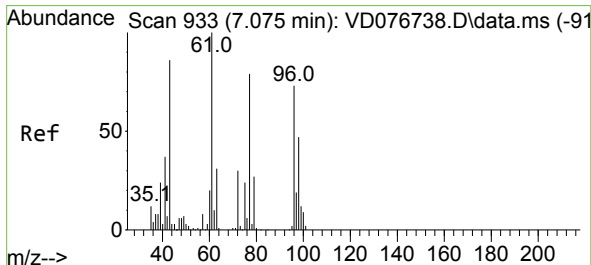
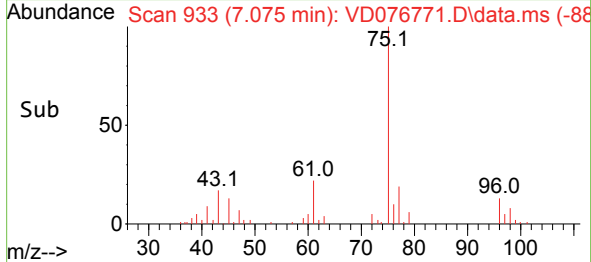
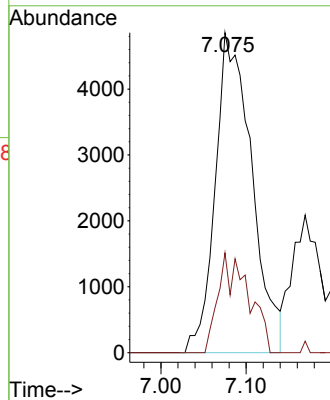
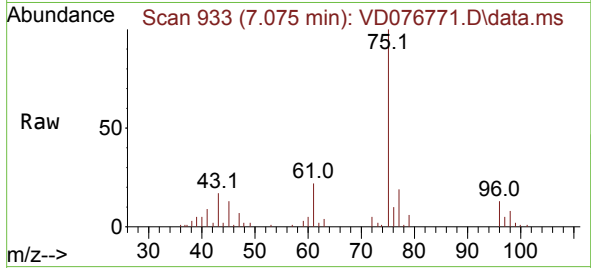




#25
2-Butanone
Concen: 25.981 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

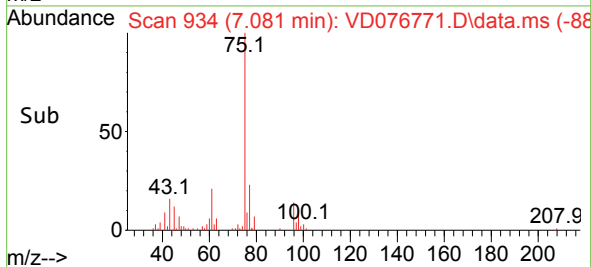
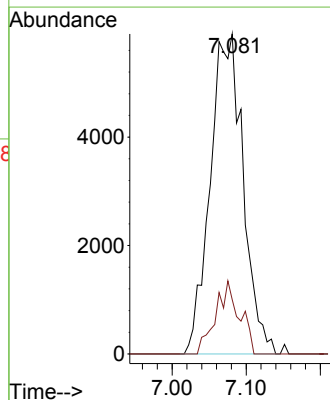
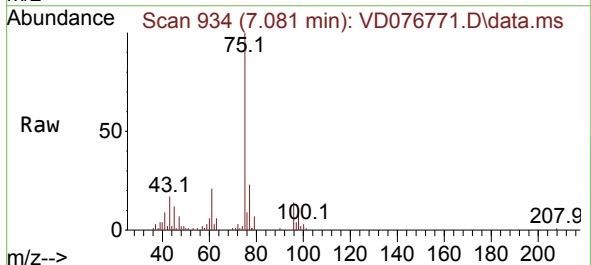
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

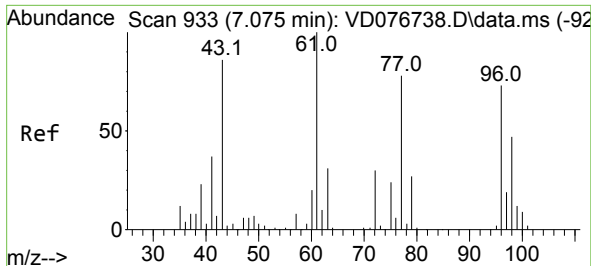
Tgt Ion: 43 Resp: 14427
Ion Ratio Lower Upper
43 100
72 31.2 30.7 46.1



#26
2,2-Dichloropropane
Concen: 5.832 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 77 Resp: 18174
Ion Ratio Lower Upper
77 100
97 16.5 13.2 39.6



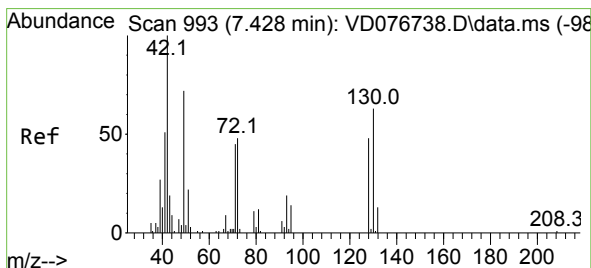
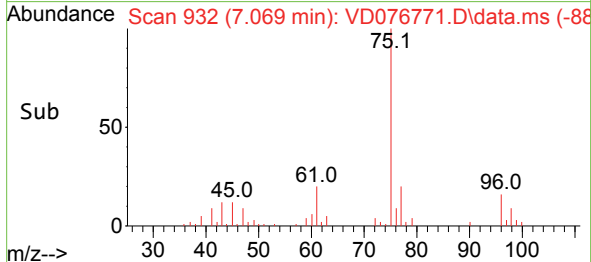
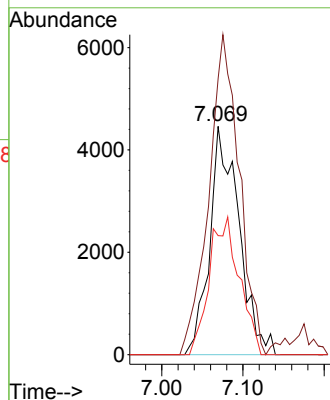
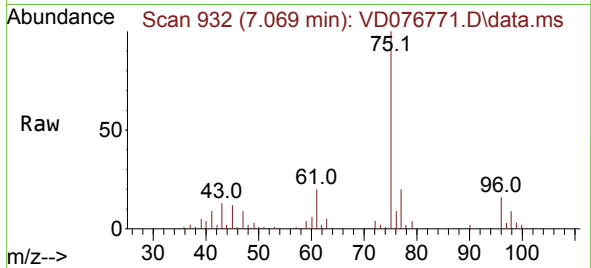


#27
 cis-1,2-Dichloroethene
 Concen: 4.512 ug/l
 RT: 7.069 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Tgt Ion: 96 Resp: 11144

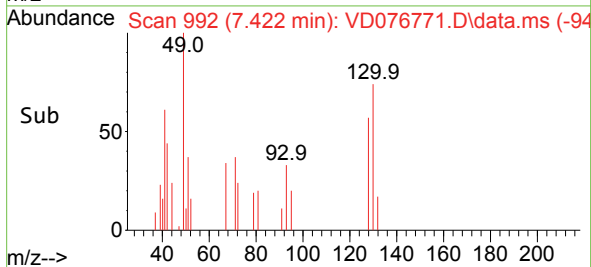
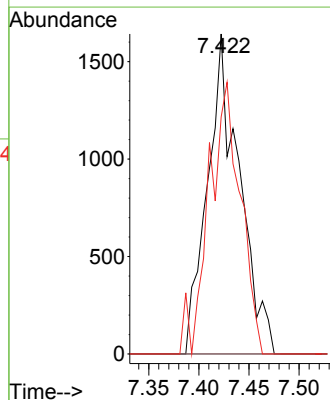
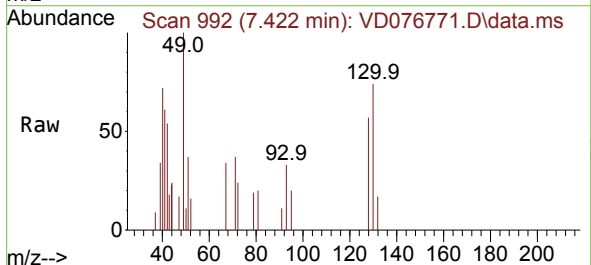
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	239.2
98	62.2	0.0	128.6

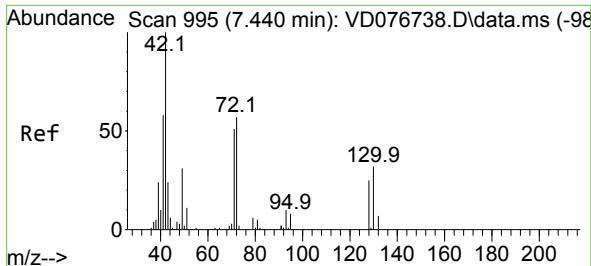


#28
 Bromochloromethane
 Concen: 4.025 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

Tgt Ion: 49 Resp: 3638

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	84.2	83.2	124.8





#29

Tetrahydrofuran

Concen: 19.684 ug/l

RT: 7.440 min Scan# 995

Delta R.T. -0.000 min

Lab File: VD076771.D

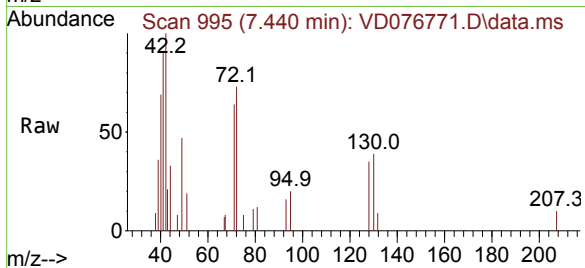
Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

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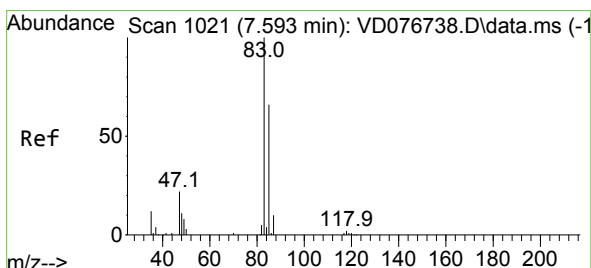
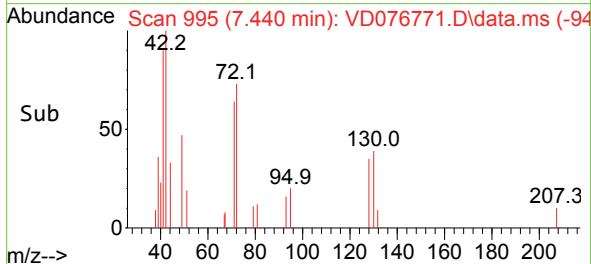
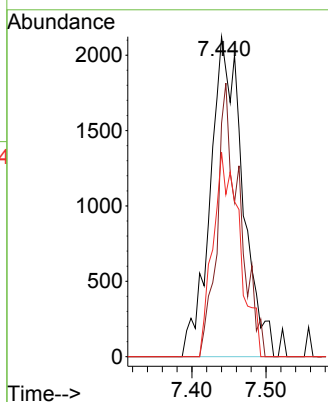
Tgt Ion: 42 Resp: 6458

Ion Ratio Lower Upper

42 100

72 58.6 46.5 69.7

71 52.6 44.5 66.7



#30

Chloroform

Concen: 4.692 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076771.D

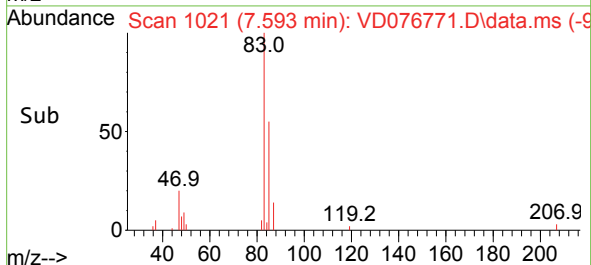
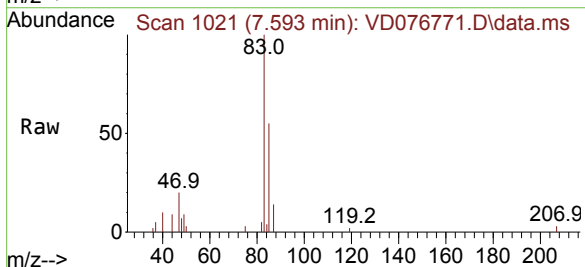
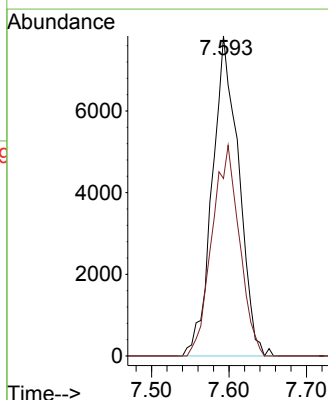
Acq: 18 Jul 2023 12:00

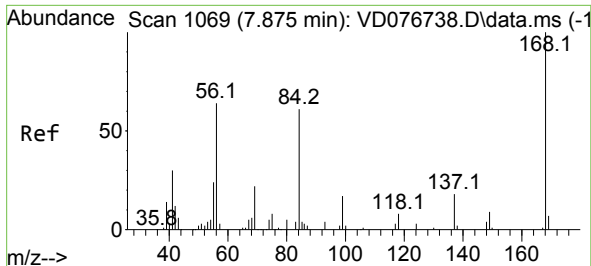
Tgt Ion: 83 Resp: 18578

Ion Ratio Lower Upper

83 100

85 55.5 53.4 80.2

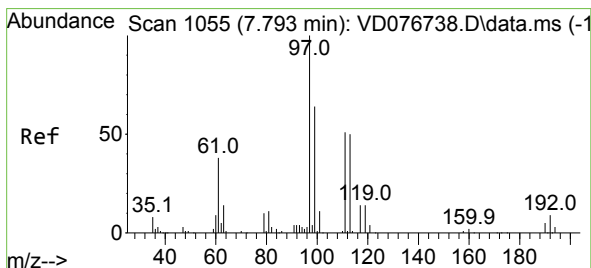
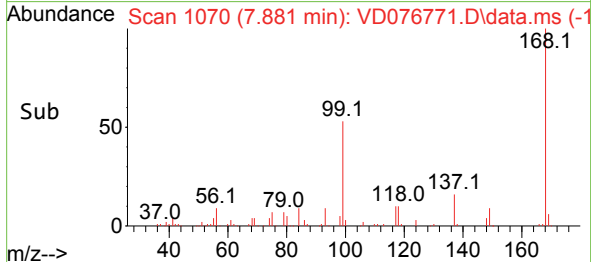
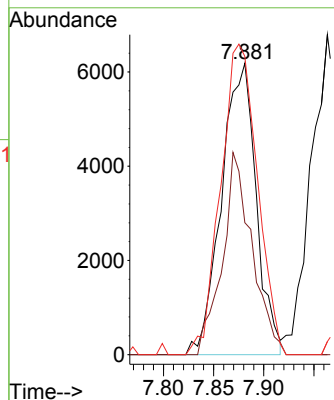
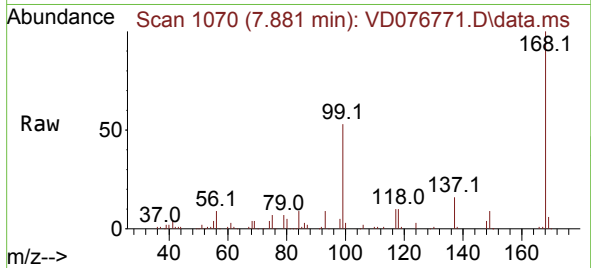




#31
Cyclohexane
Concen: 5.821 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

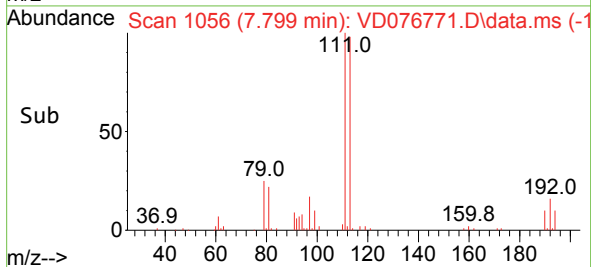
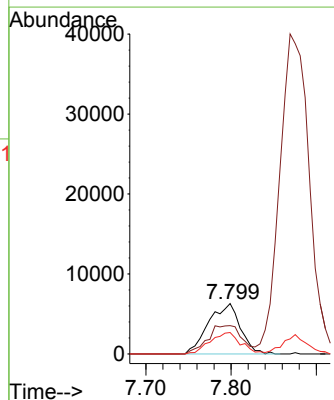
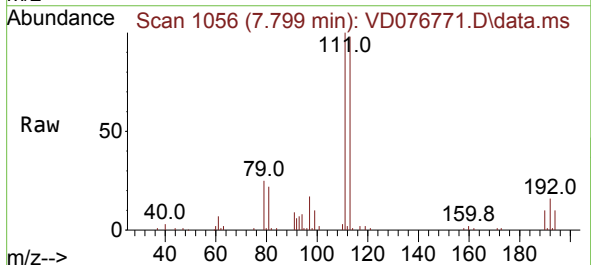
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

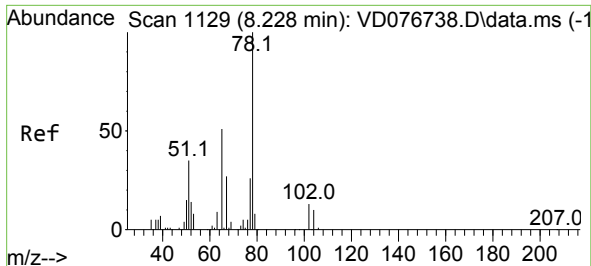
Tgt Ion: 56 Resp: 14884
Ion Ratio Lower Upper
56 100
69 45.3 28.6 43.0#
84 102.4 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 5.102 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 97 Resp: 16297
Ion Ratio Lower Upper
97 100
99 61.5 52.0 78.0
61 41.4 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 47.686 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

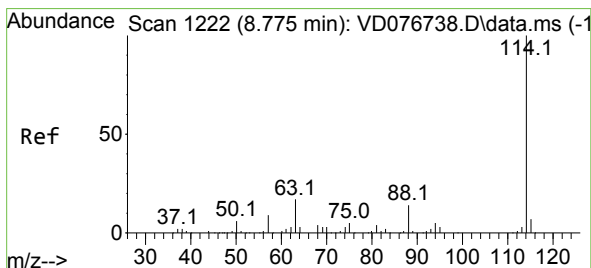
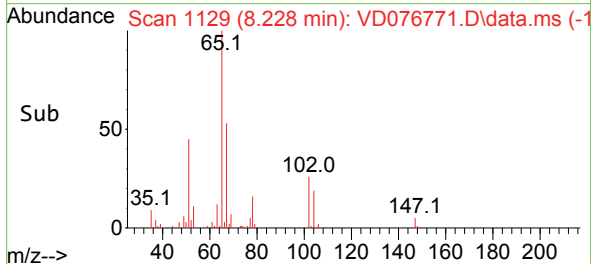
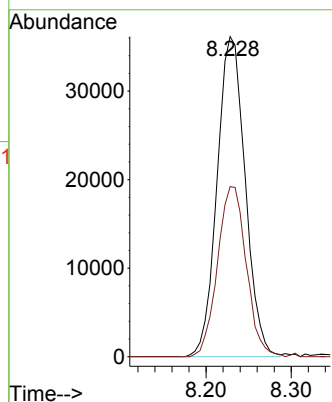
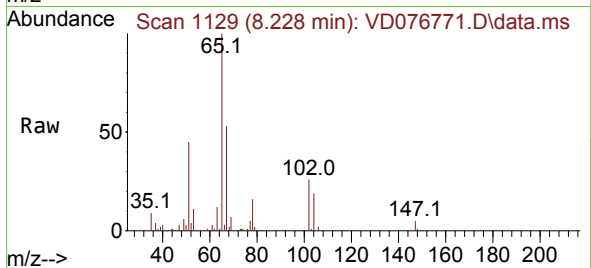
MDL-SOIL-03-QT3-2023

Tgt Ion: 65 Resp: 82845

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

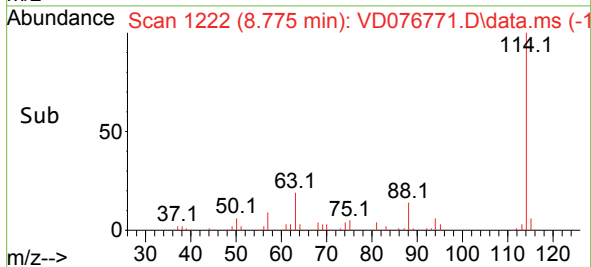
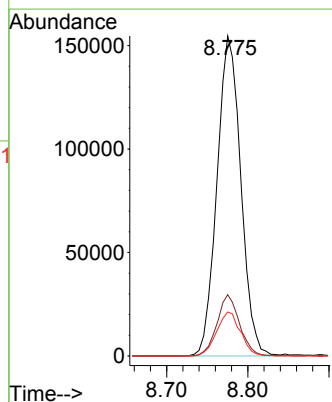
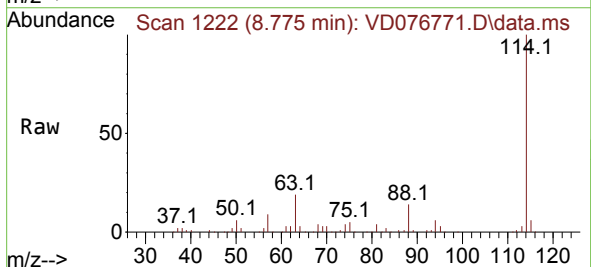
Tgt Ion: 114 Resp: 315832

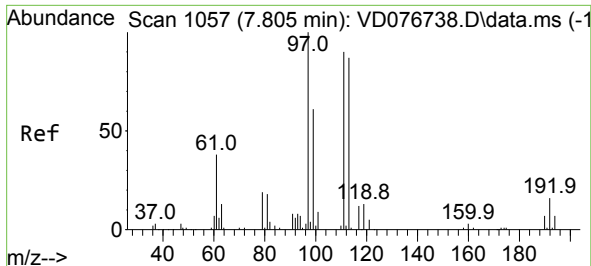
Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

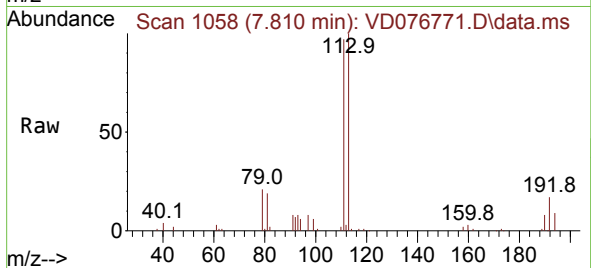
88 13.8 0.0 26.2



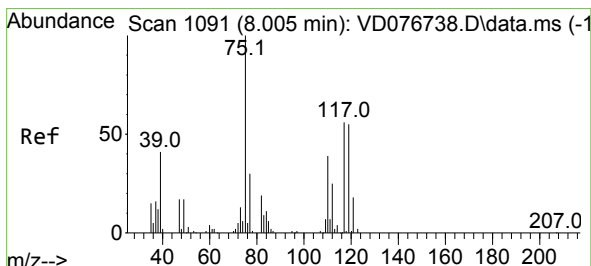
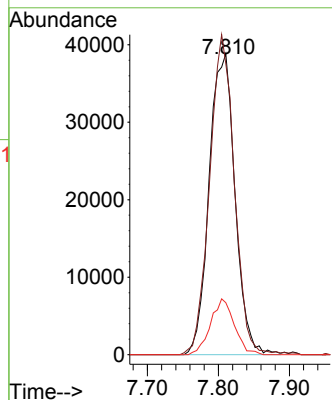
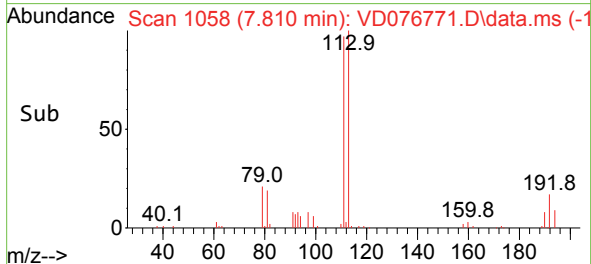


#35
Dibromofluoromethane
Concen: 49.603 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

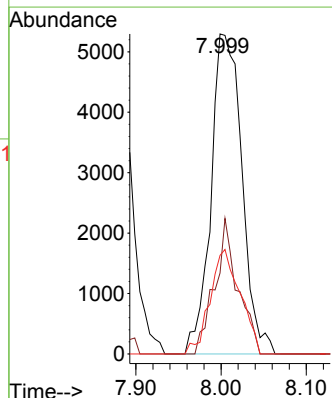
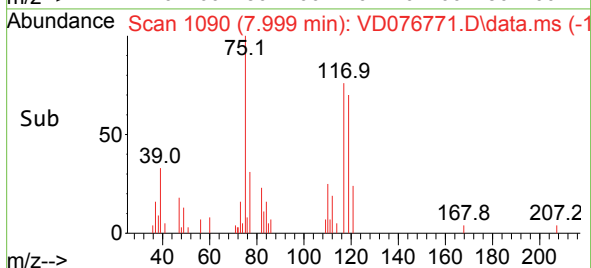
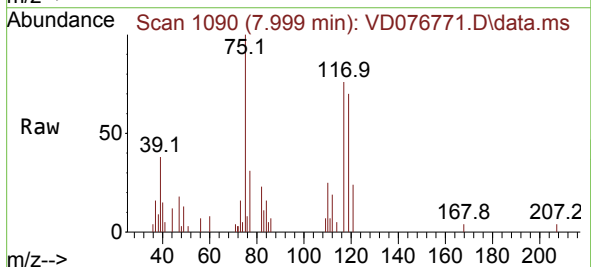


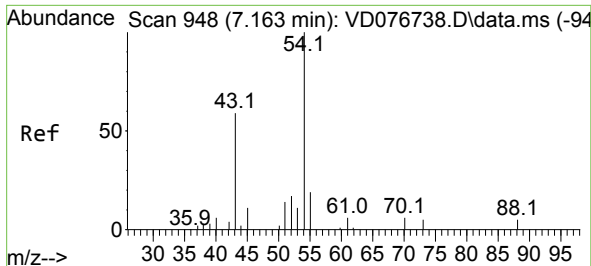
Tgt Ion:113 Resp: 98447
Ion Ratio Lower Upper
113 100
111 101.6 84.7 127.1
192 17.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 7.999 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 75 Resp: 13362
Ion Ratio Lower Upper
75 100
110 31.8 19.9 59.6
77 31.8 24.7 37.1





#37

Ethyl Acetate

Concen: 4.621 ug/l

RT: 7.169 min Scan# 948

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

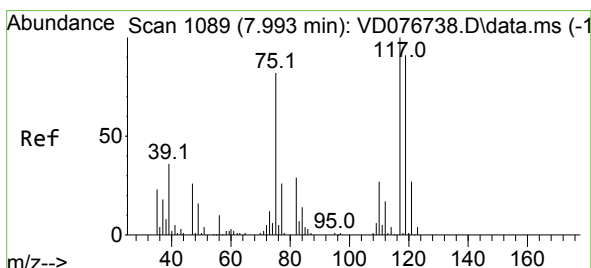
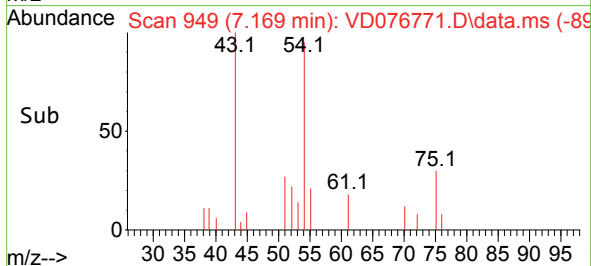
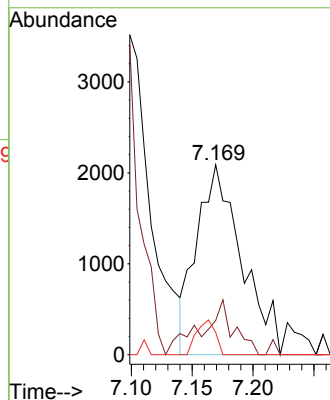
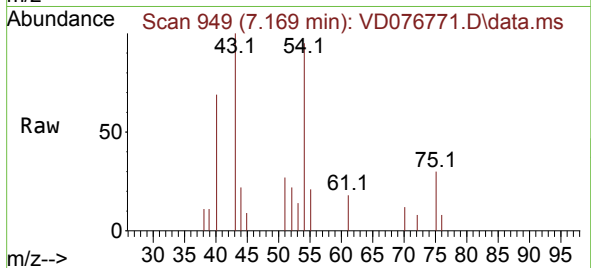
Tgt Ion: 43 Resp: 5359

Ion Ratio Lower Upper

43 100

61 20.9 14.9 22.3

70 7.6 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 4.355 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

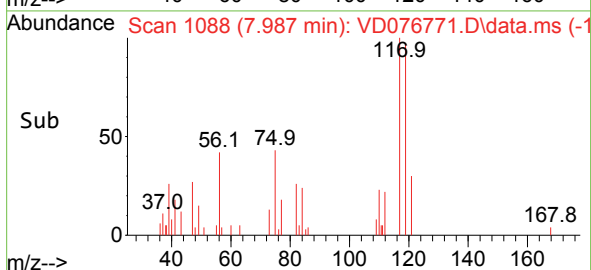
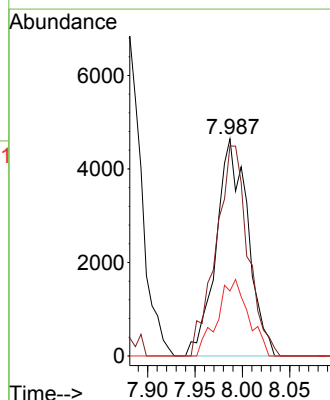
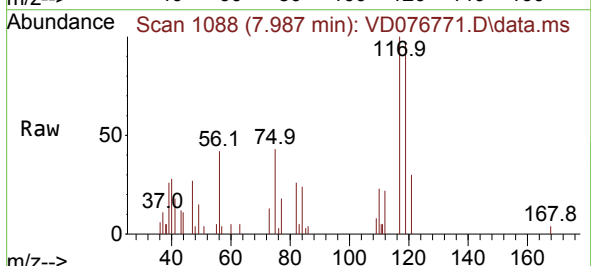
Tgt Ion: 117 Resp: 10816

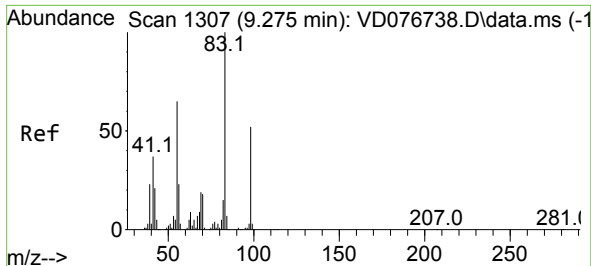
Ion Ratio Lower Upper

117 100

119 96.7 78.0 117.0

121 29.9 24.2 36.2





#39

Methylcyclohexane

Concen: 4.663 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

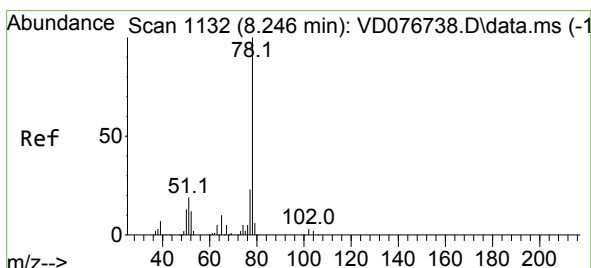
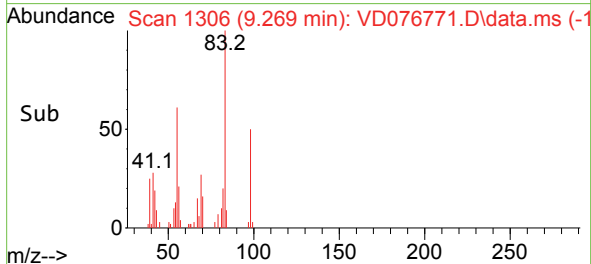
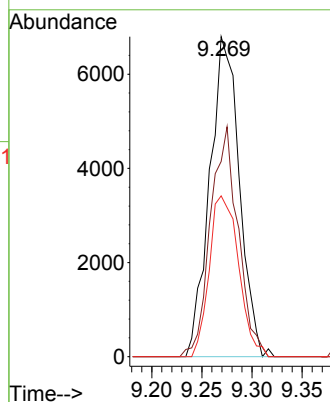
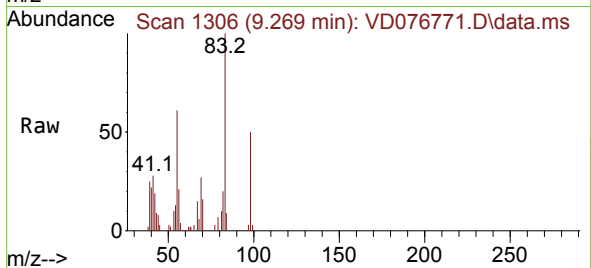
Tgt Ion: 83 Resp: 13964

Ion Ratio Lower Upper

83 100

55 61.0 49.4 74.0

98 50.2 38.4 57.6



#40

Benzene

Concen: 4.728 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076771.D

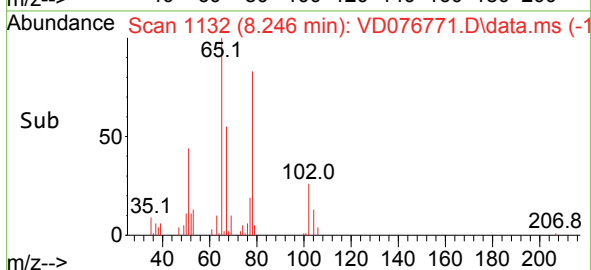
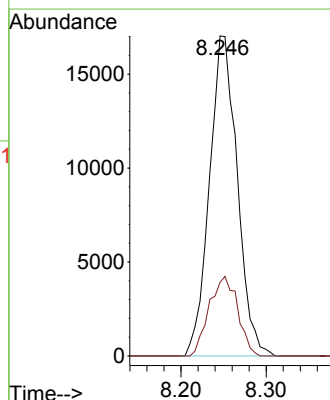
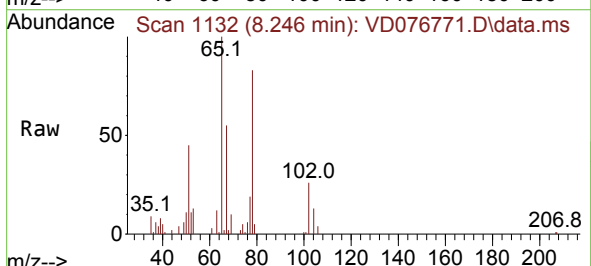
Acq: 18 Jul 2023 12:00

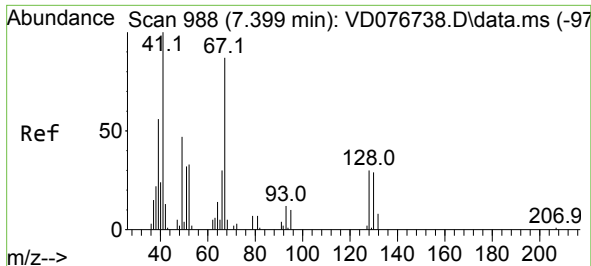
Tgt Ion: 78 Resp: 38688

Ion Ratio Lower Upper

78 100

77 23.0 19.4 29.0

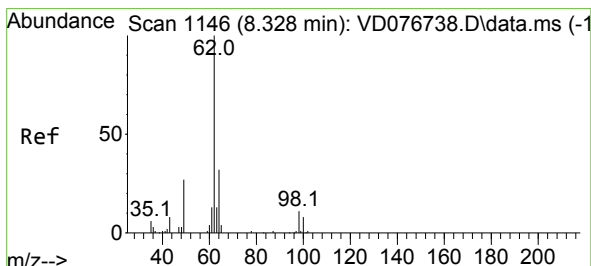
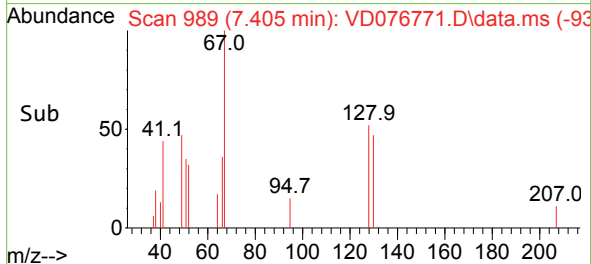
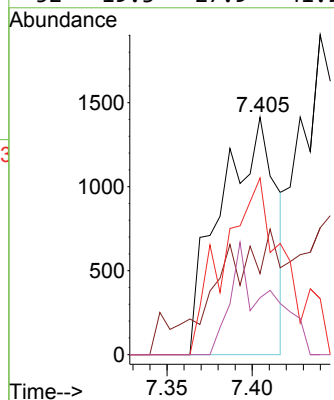
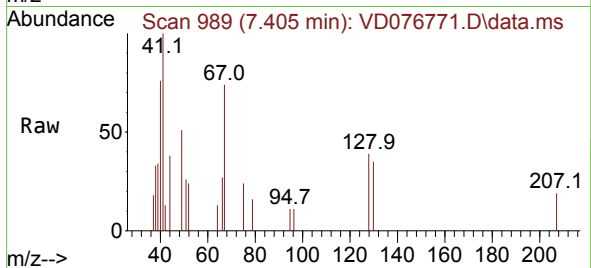




#41
Methacrylonitrile
Concen: 4.483 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

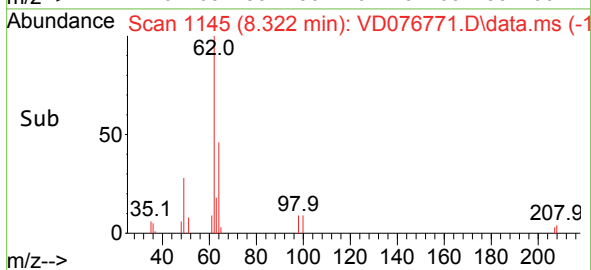
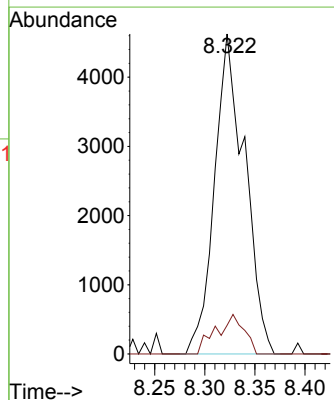
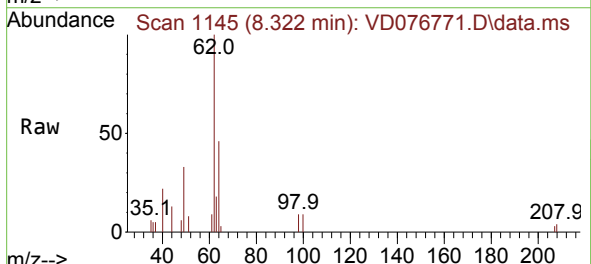
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

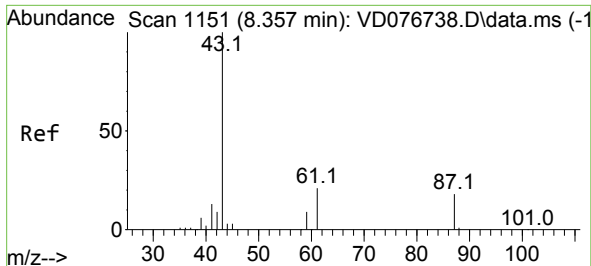
Tgt Ion:	41	Resp:	3175
Ion	Ratio	Lower	Upper
41	100		
39	13.6	34.0	51.0#
67	83.7	77.0	115.4
52	19.3	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 4.564 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:	62	Resp:	9703
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	25.4

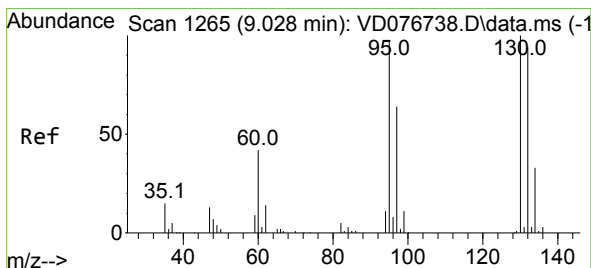
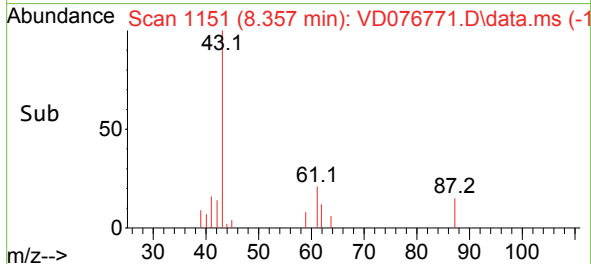
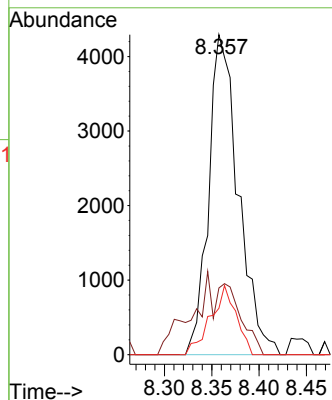
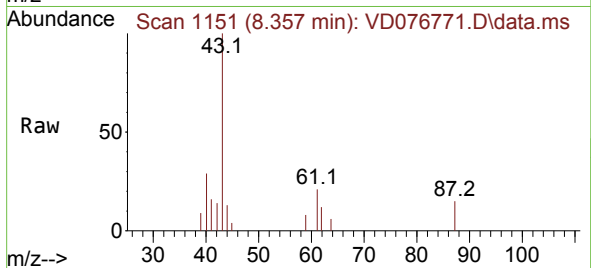




#43
Isopropyl Acetate
Concen: 4.140 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. 0.001 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

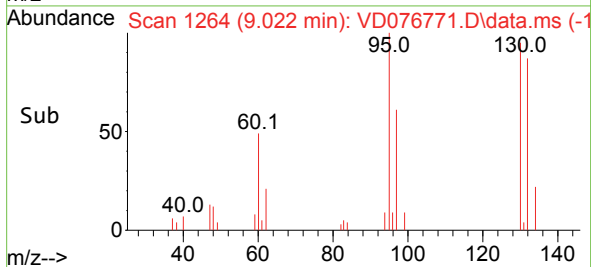
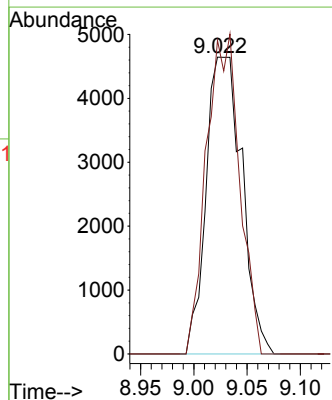
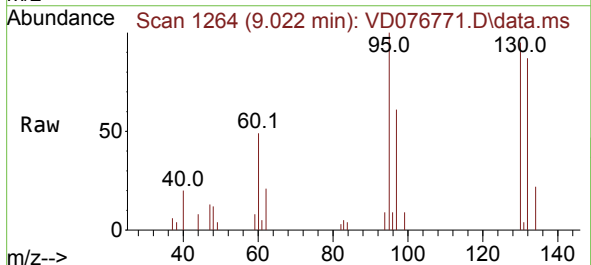
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

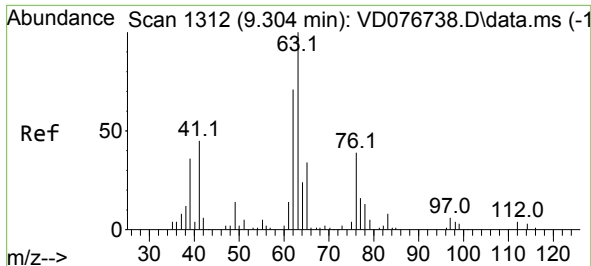
Tgt Ion: 43 Resp: 9372
Ion Ratio Lower Upper
43 100
61 17.8 31.4 47.0#
87 18.5 14.9 22.3



#44
Trichloroethene
Concen: 4.880 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:130 Resp: 10881
Ion Ratio Lower Upper
130 100
95 105.7 0.0 179.2





#45

1,2-Dichloropropane

Concen: 4.840 ug/l

RT: 9.299 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

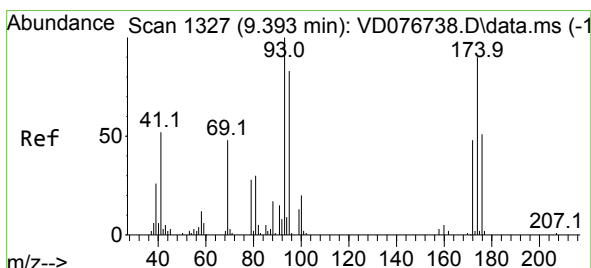
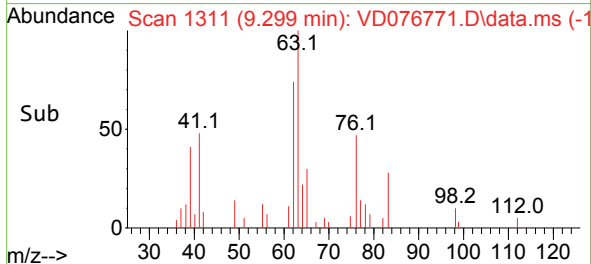
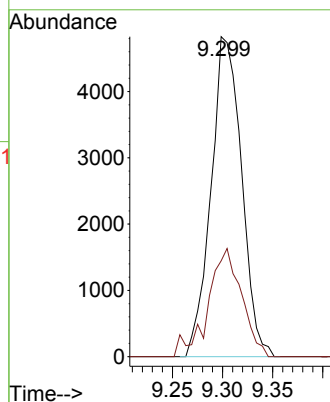
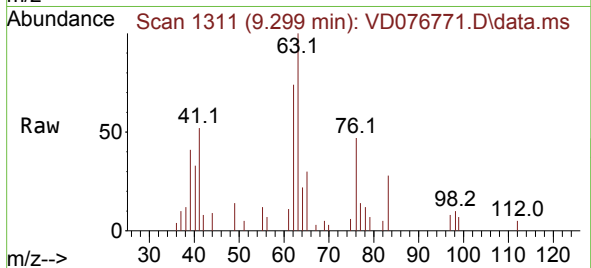
MDL-SOIL-03-QT3-2023

Tgt Ion: 63 Resp: 10224

Ion Ratio Lower Upper

63 100

65 29.9 24.5 36.7



#46

Dibromomethane

Concen: 4.922 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

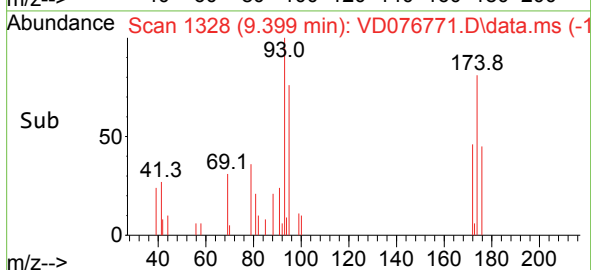
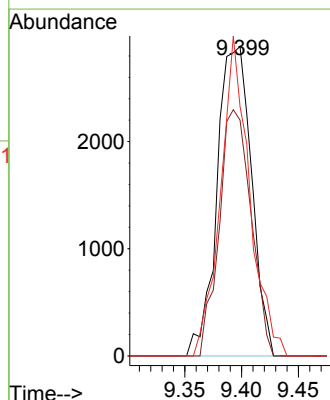
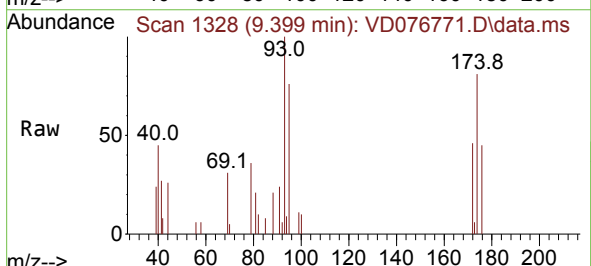
Tgt Ion: 93 Resp: 6086

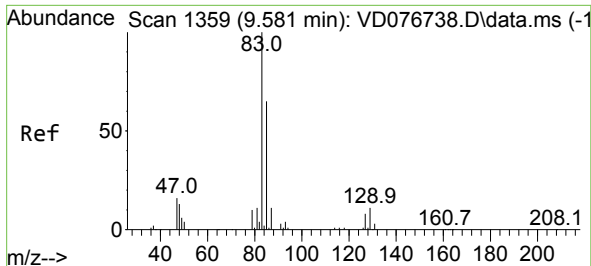
Ion Ratio Lower Upper

93 100

95 73.8 67.7 101.5

174 87.1 85.4 128.2

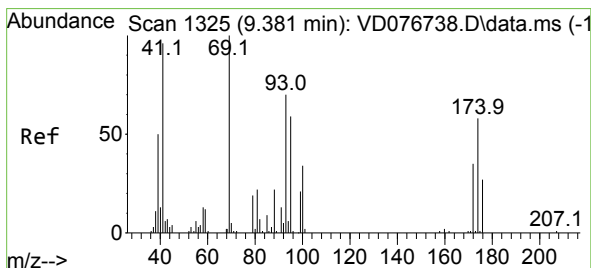
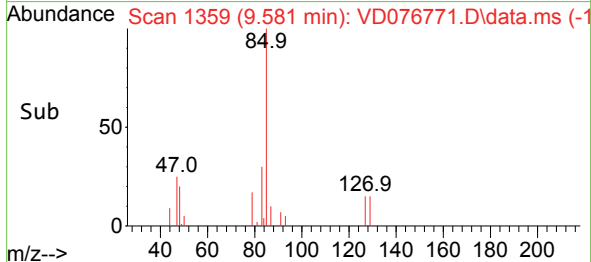
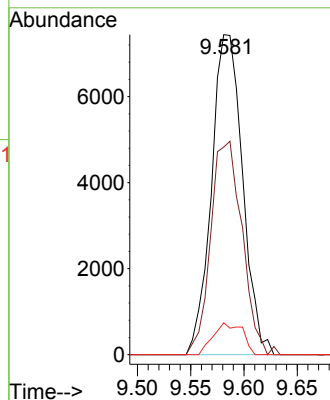
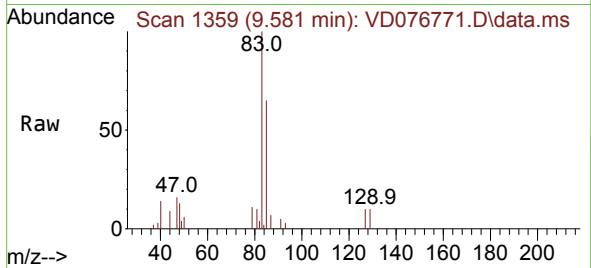




#47
Bromodichloromethane
Concen: 4.870 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

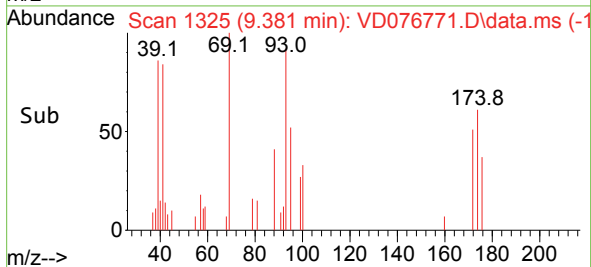
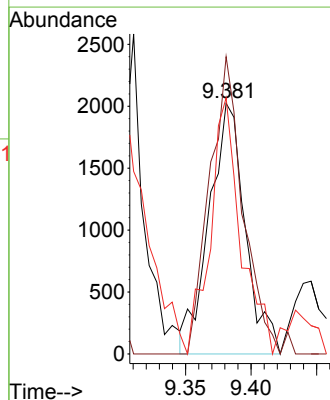
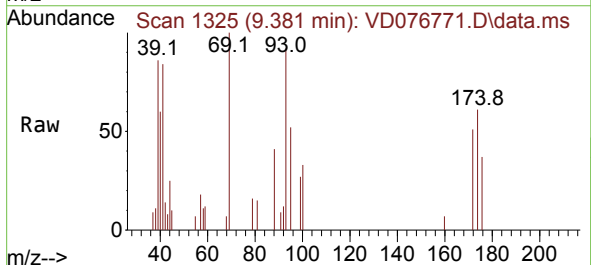
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

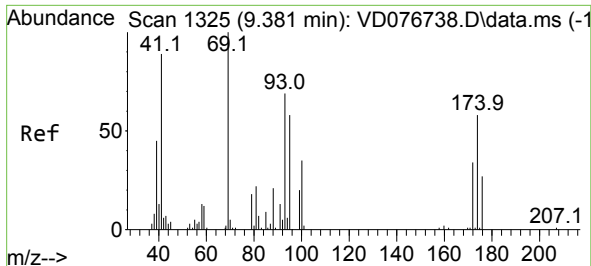
Tgt Ion: 83 Resp: 15112
Ion Ratio Lower Upper
83 100
85 64.9 50.2 75.4
127 10.0 6.3 9.5#



#48
Methyl methacrylate
Concen: 3.748 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 41 Resp: 3861
Ion Ratio Lower Upper
41 100
69 109.9 102.2 153.2
39 86.1 41.4 62.2#





#49

1,4-Dioxane

Concen: 87.303 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD076771.D

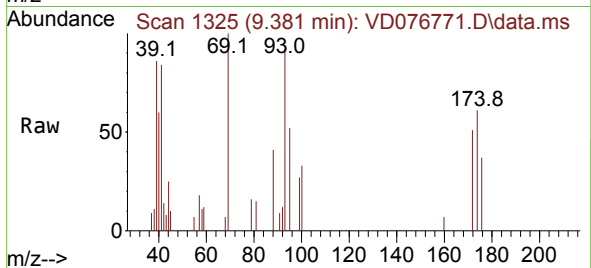
Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



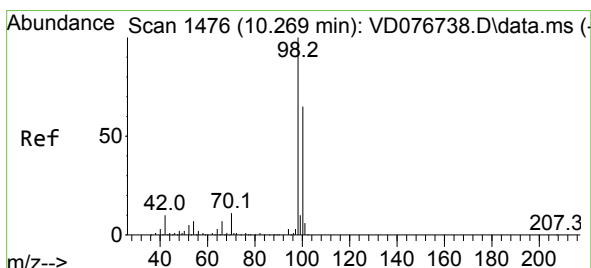
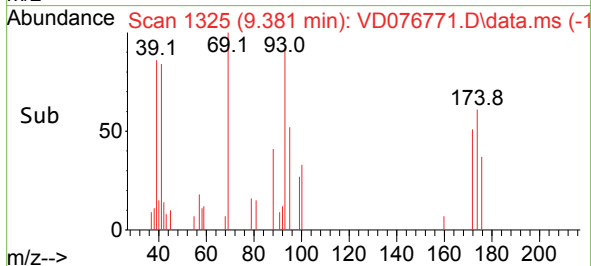
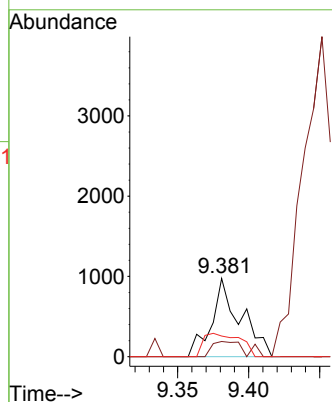
Tgt Ion: 88 Resp: 1383

Ion Ratio Lower Upper

88 100

43 22.1 19.0 28.6

58 37.6 43.5 65.3#



#50

Toluene-d8

Concen: 46.015 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076771.D

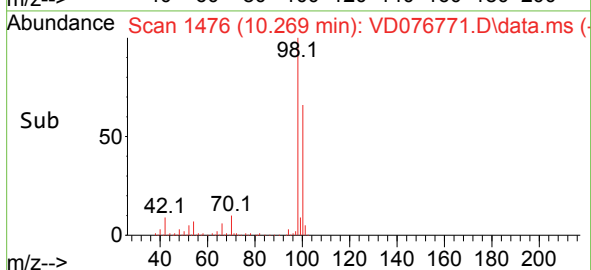
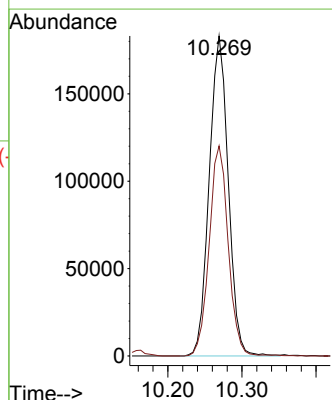
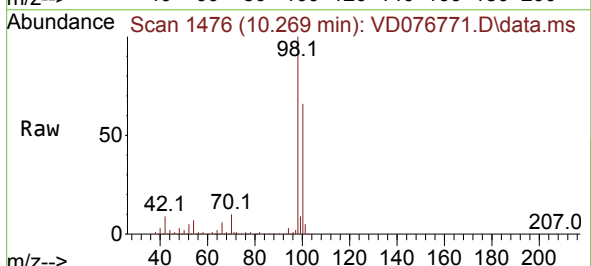
Acq: 18 Jul 2023 12:00

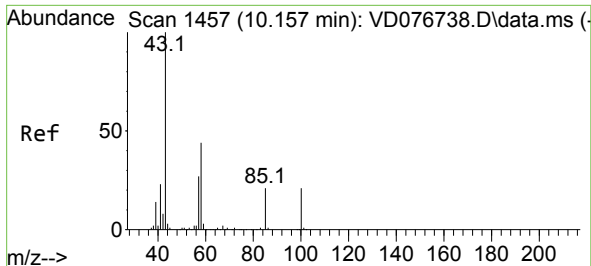
Tgt Ion: 98 Resp: 326707

Ion Ratio Lower Upper

98 100

100 65.7 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 20.873 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

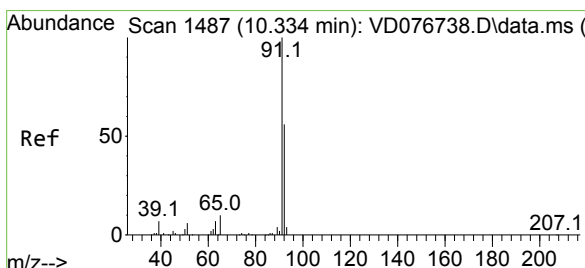
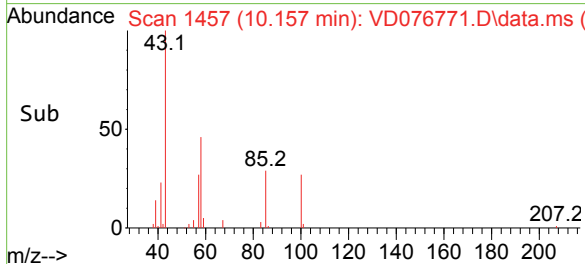
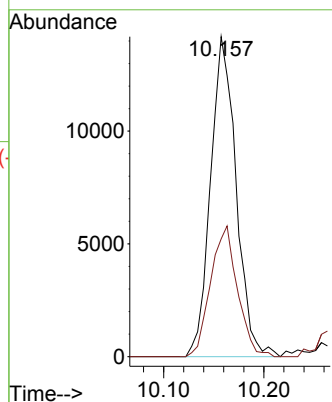
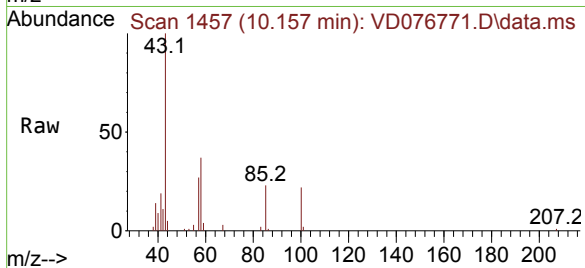
MDL-SOIL-03-QT3-2023

Tgt Ion: 43 Resp: 25155

Ion Ratio Lower Upper

43 100

58 42.8 38.9 58.3



#52

Toluene

Concen: 4.642 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076771.D

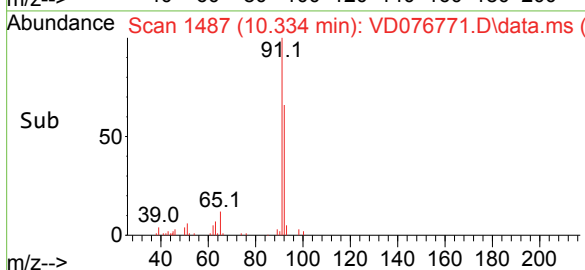
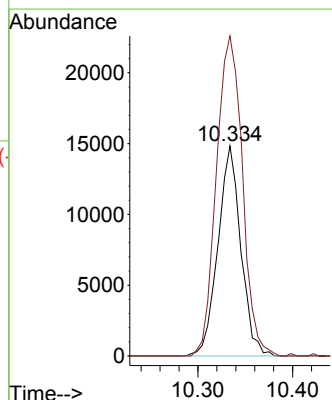
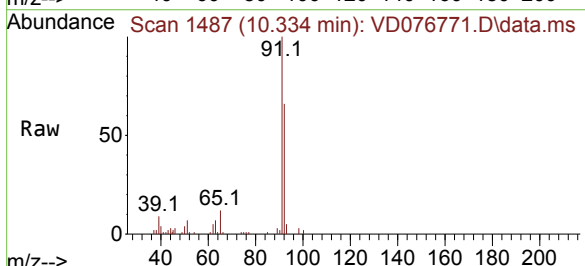
Acq: 18 Jul 2023 12:00

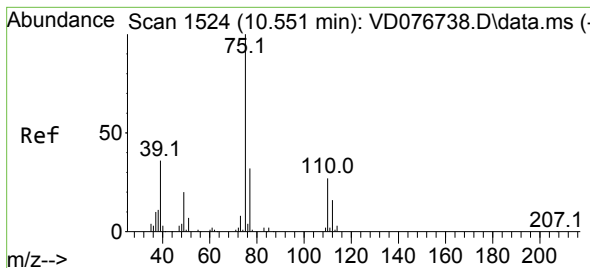
Tgt Ion: 92 Resp: 24950

Ion Ratio Lower Upper

92 100

91 173.2 143.0 214.4





#53

t-1,3-Dichloropropene

Concen: 4.197 ug/l

RT: 10.552 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

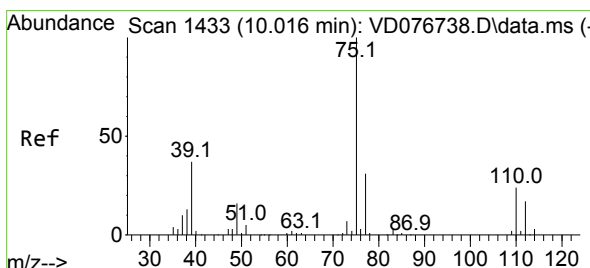
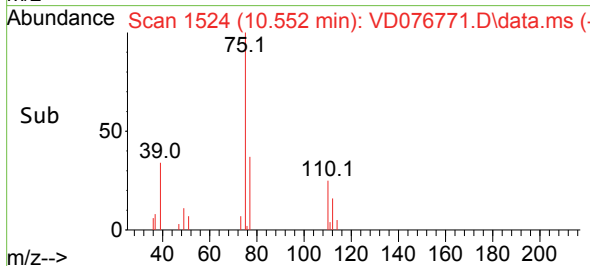
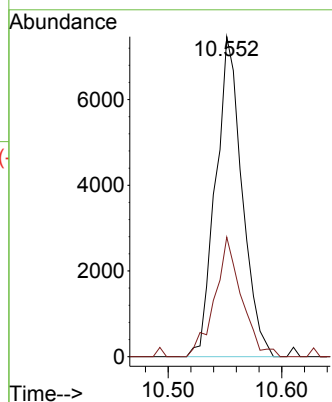
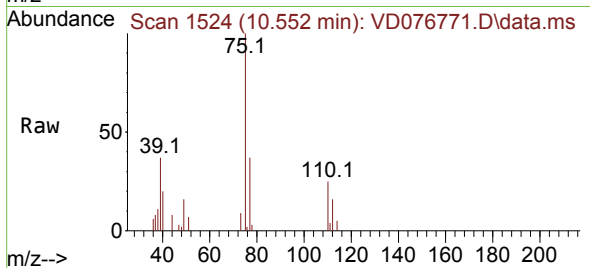
MDL-SOIL-03-QT3-2023

Tgt Ion: 75 Resp: 12087

Ion Ratio Lower Upper

75 100

77 37.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 4.416 ug/l

RT: 10.022 min Scan# 1434

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

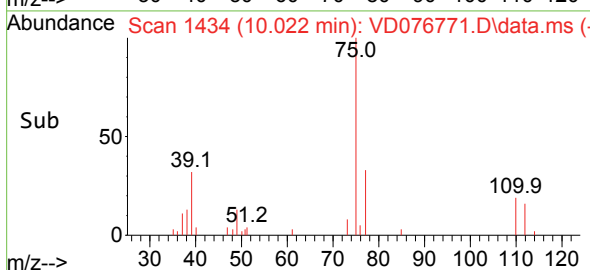
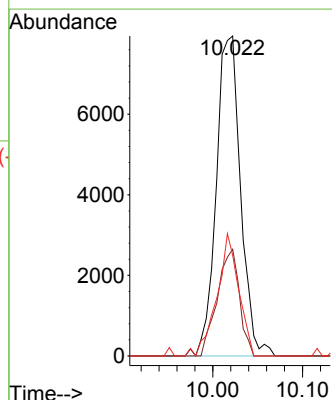
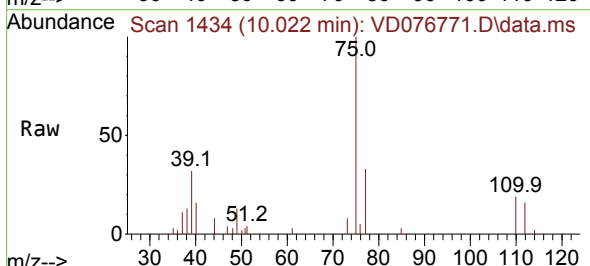
Tgt Ion: 75 Resp: 14988

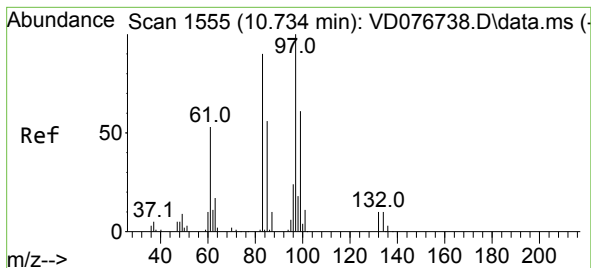
Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3

39 31.5 22.1 33.1





#55

1,1,2-Trichloroethane

Concen: 4.587 ug/l

RT: 10.740 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 97 Resp: 8282

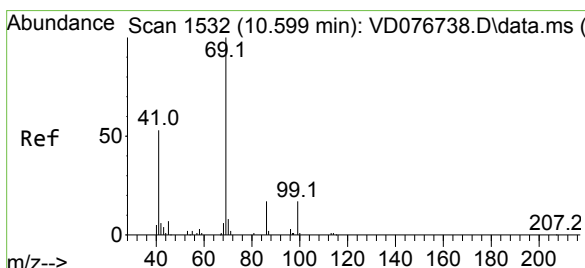
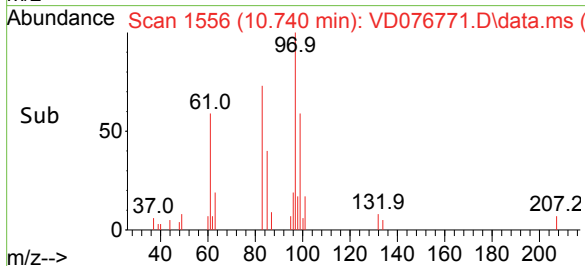
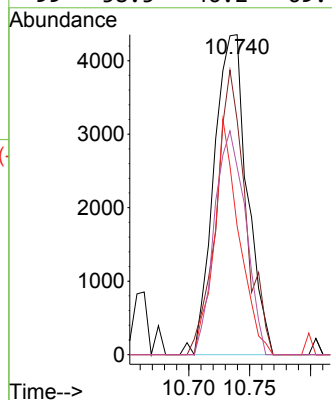
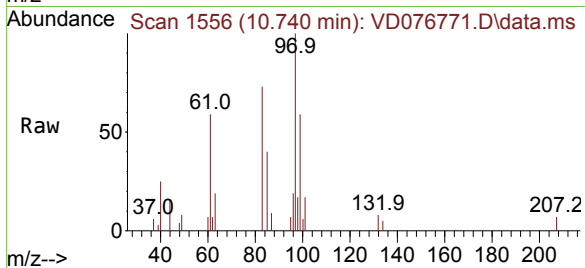
Ion Ratio Lower Upper

97 100

83 73.3 65.8 98.6

85 40.1 45.7 68.5#

99 58.5 46.2 69.4



#56

Ethyl methacrylate

Concen: 4.141 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

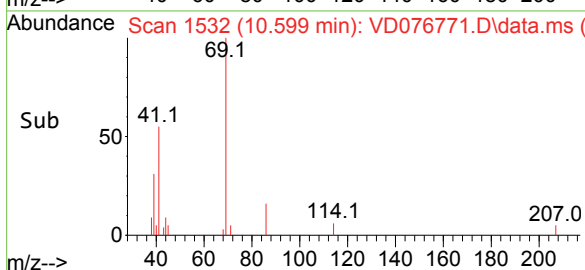
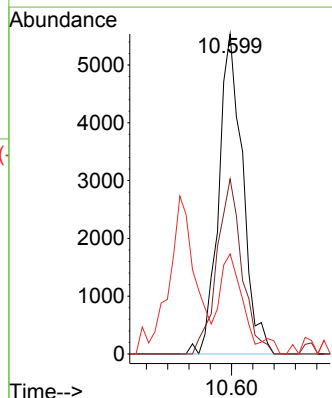
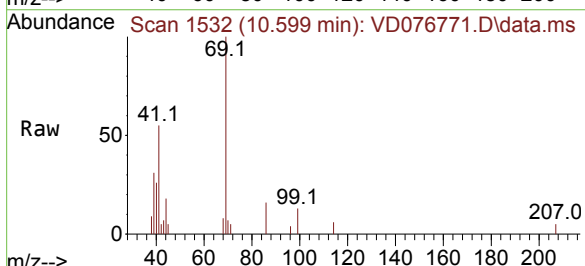
Tgt Ion: 69 Resp: 8630

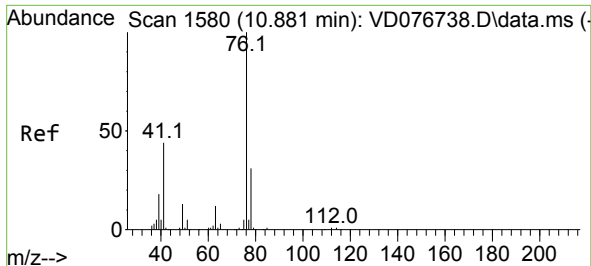
Ion Ratio Lower Upper

69 100

41 57.5 39.1 58.7

39 31.6 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 4.086 ug/l

RT: 10.875 min Scan# 1579

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

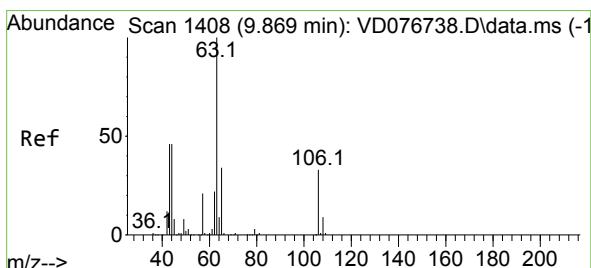
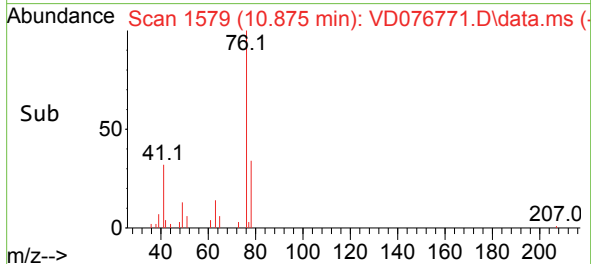
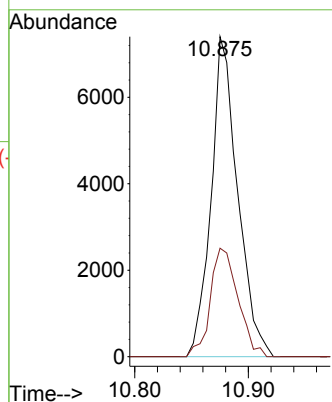
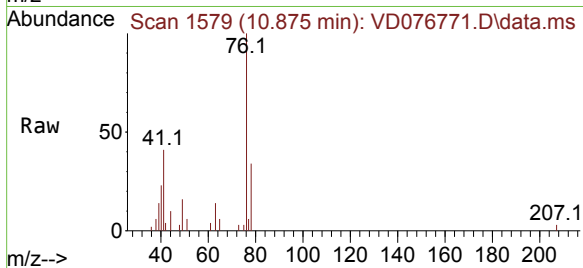
MDL-SOIL-03-QT3-2023

Tgt Ion: 76 Resp: 12013

Ion Ratio Lower Upper

76 100

78 35.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 20.168 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076771.D

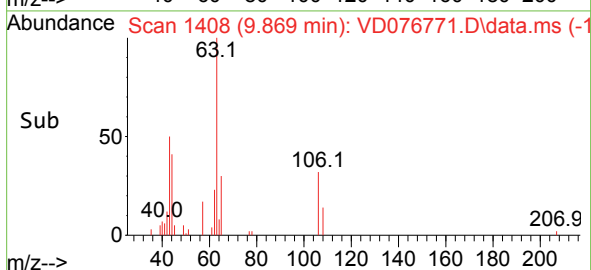
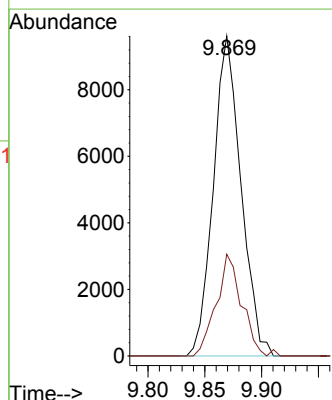
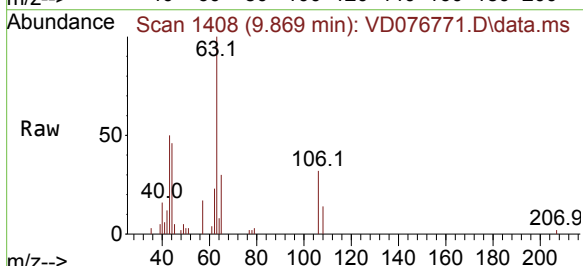
Acq: 18 Jul 2023 12:00

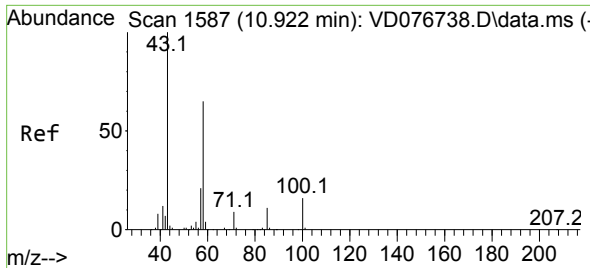
Tgt Ion: 63 Resp: 16268

Ion Ratio Lower Upper

63 100

106 29.5 25.3 37.9

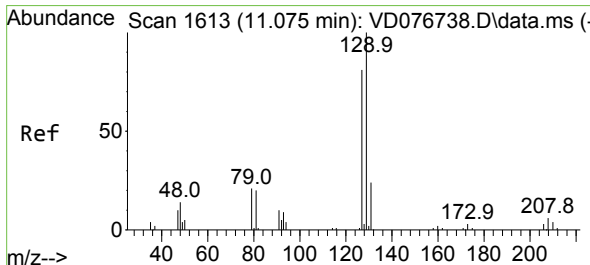
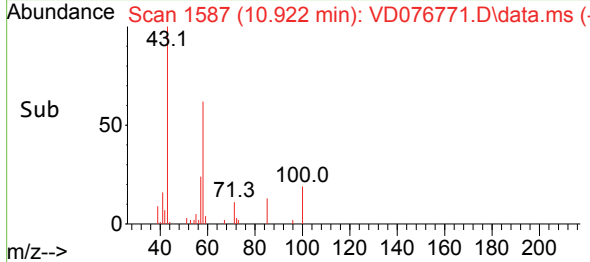
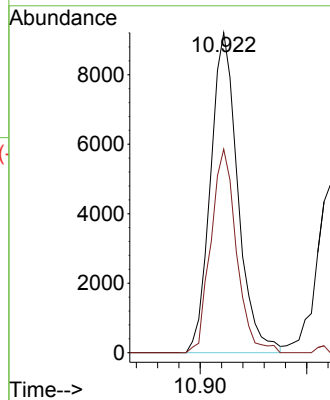
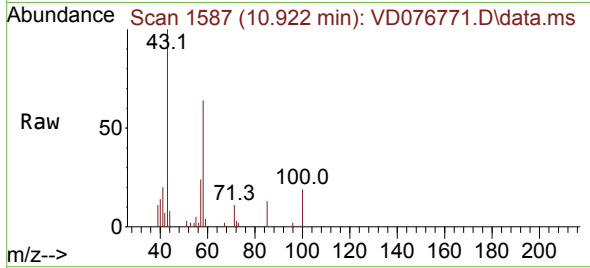




#59
2-Hexanone
Concen: 19.065 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

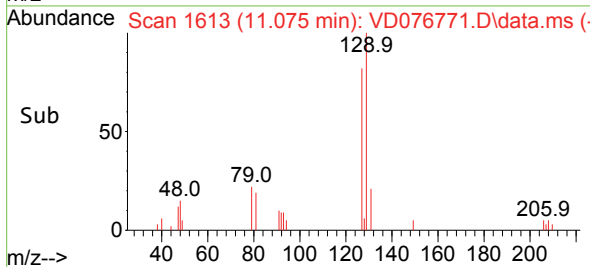
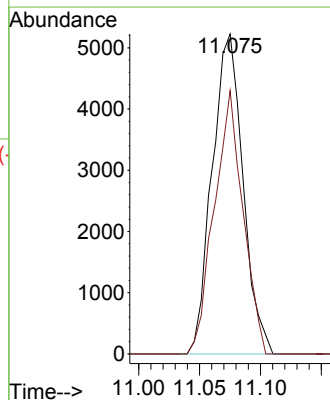
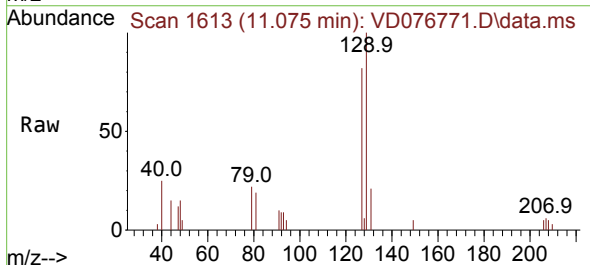
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

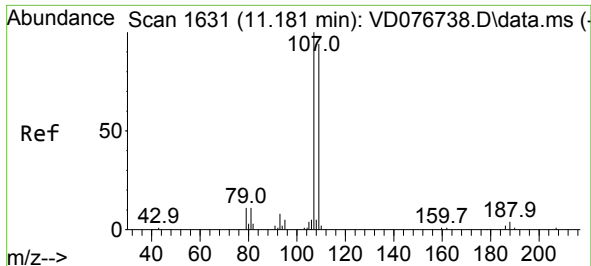
Tgt Ion: 43 Resp: 16395
Ion Ratio Lower Upper
43 100
58 59.8 34.1 102.2



#60
Dibromochloromethane
Concen: 4.383 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 129 Resp: 9193
Ion Ratio Lower Upper
129 100
127 76.7 37.1 111.5

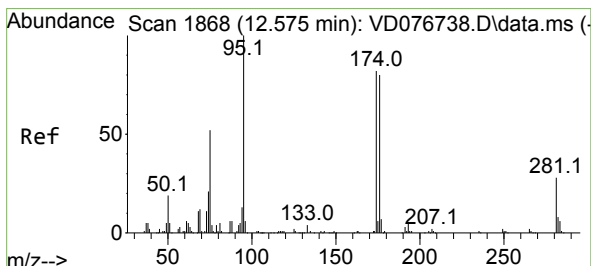
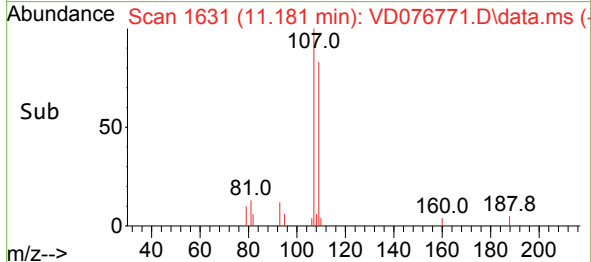
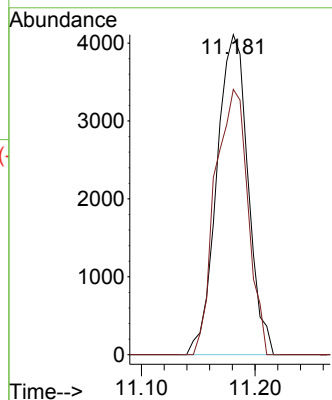
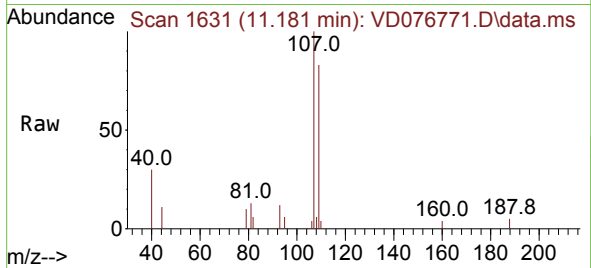




#61
1,2-Dibromoethane
Concen: 4.684 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

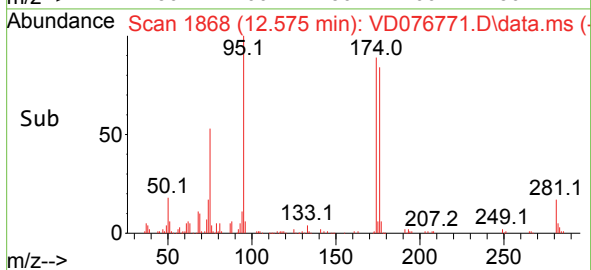
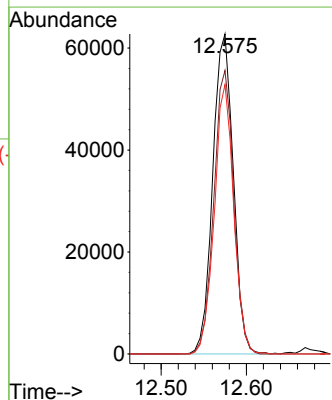
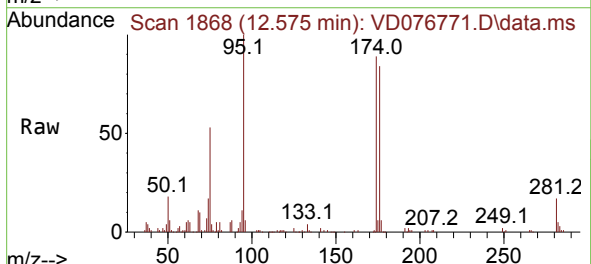
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

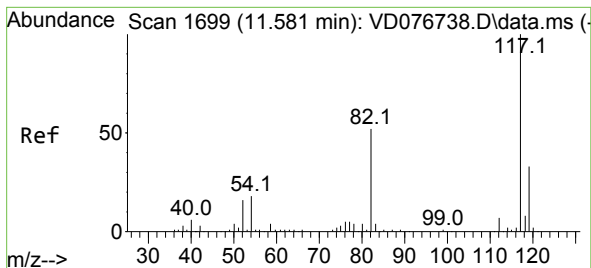
Tgt Ion:107 Resp: 7840
Ion Ratio Lower Upper
107 100
109 86.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 95 Resp: 105059
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 79.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

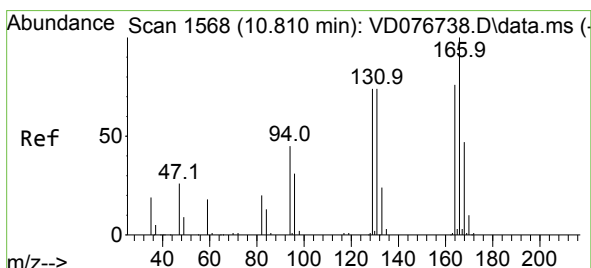
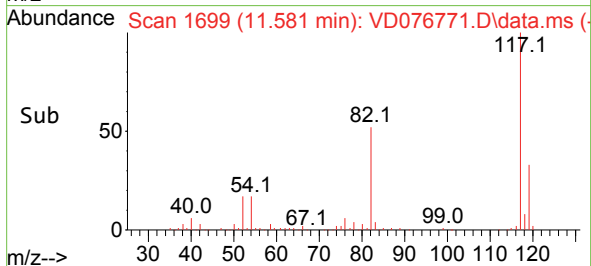
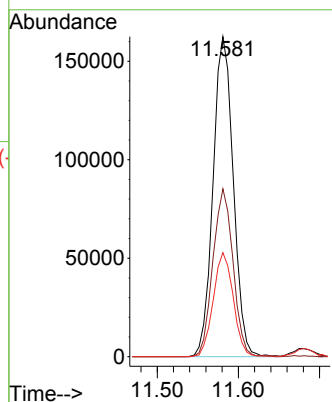
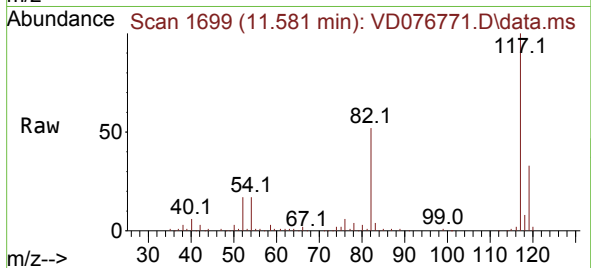
Tgt Ion:117 Resp: 281712

Ion Ratio Lower Upper

117 100

82 52.4 38.3 57.5

119 32.5 25.0 37.4



#64

Tetrachloroethene

Concen: 5.080 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion:164 Resp: 8160

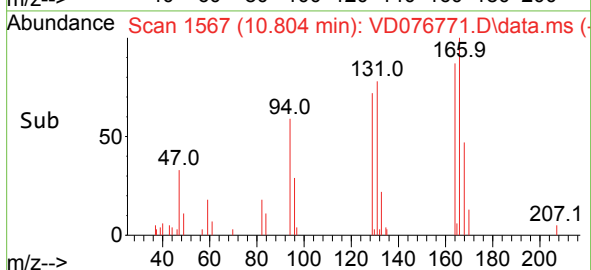
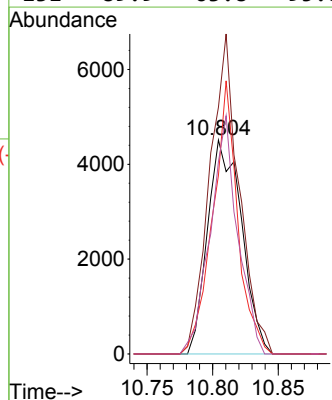
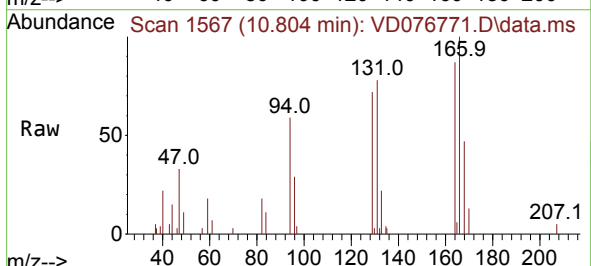
Ion Ratio Lower Upper

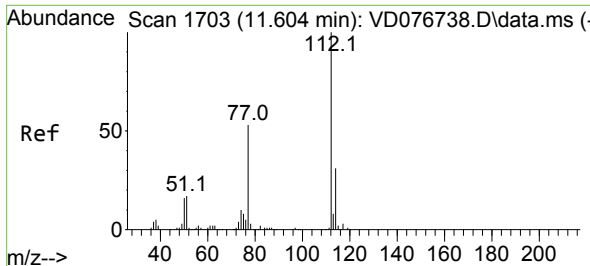
164 100

166 115.4 99.2 148.8

129 83.5 68.4 102.6

131 89.9 63.8 95.8

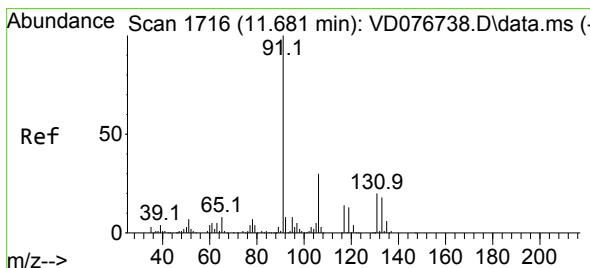
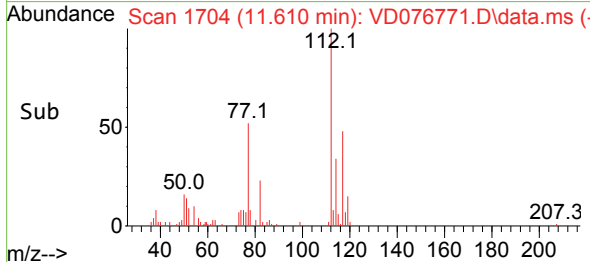
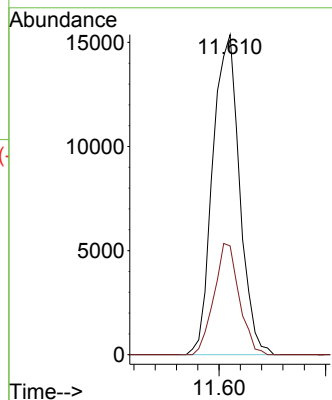
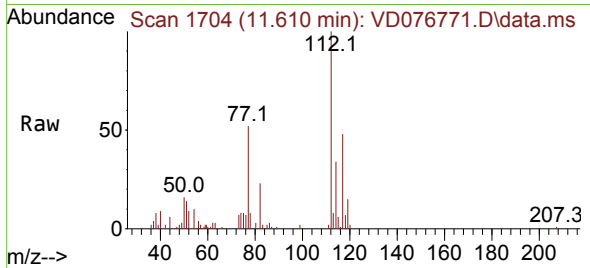




#65
Chlorobenzene
Concen: 4.733 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

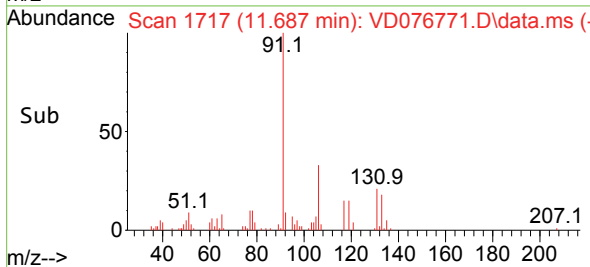
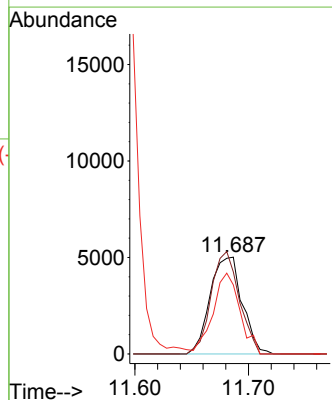
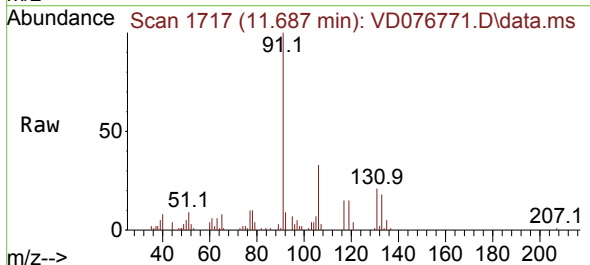
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

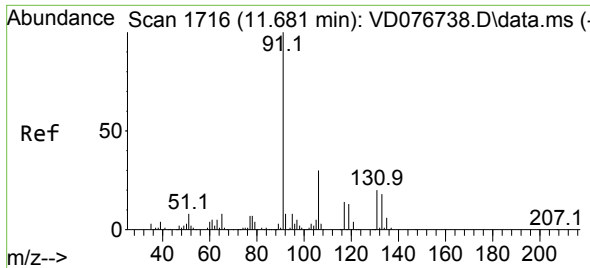
Tgt Ion:112 Resp: 26817
Ion Ratio Lower Upper
112 100
114 34.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.686 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:131 Resp: 9885
Ion Ratio Lower Upper
131 100
133 92.5 48.5 145.5
119 69.7 35.6 106.9

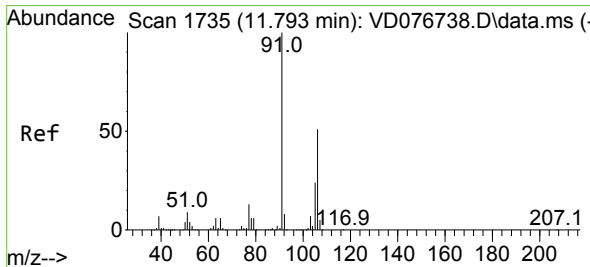
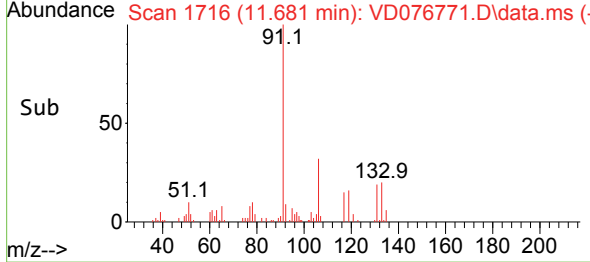
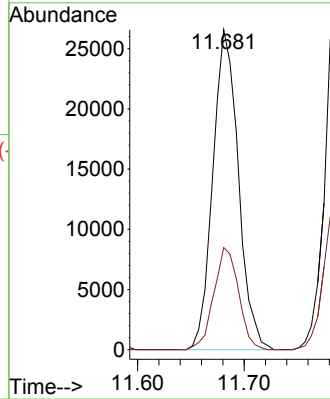
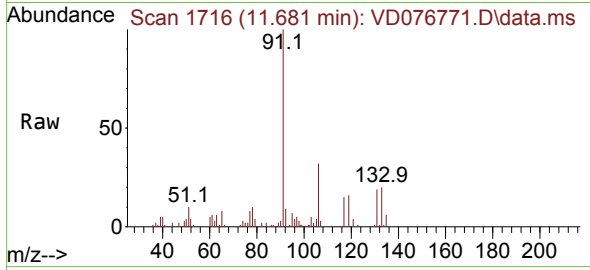




#67
Ethyl Benzene
Concen: 4.436 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

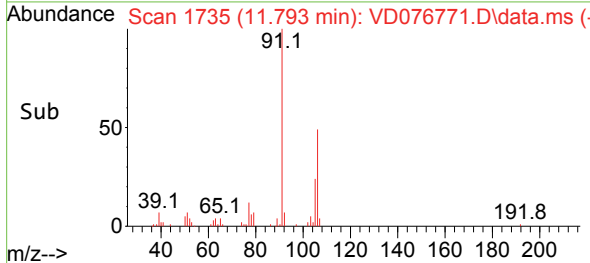
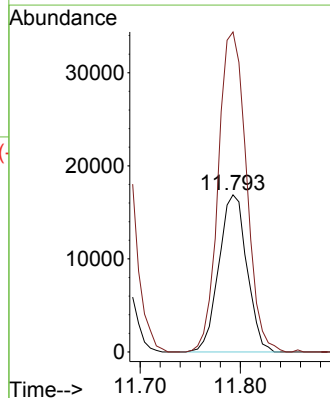
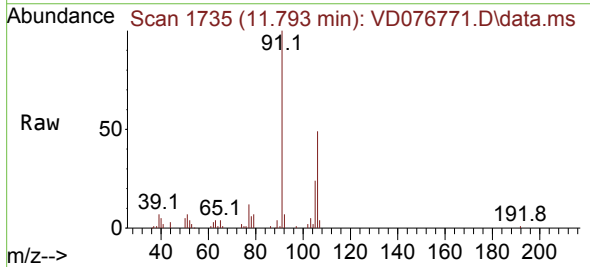
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

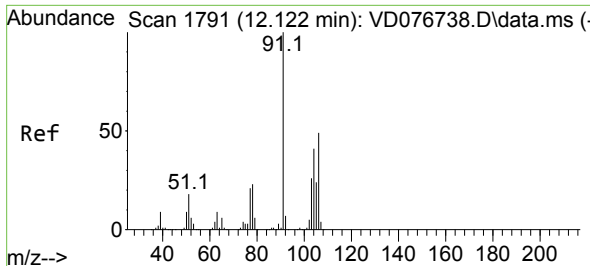
Tgt Ion: 91 Resp: 44138
Ion Ratio Lower Upper
91 100
106 31.9 26.5 39.7



#68
m/p-Xylenes
Concen: 8.567 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion: 106 Resp: 32737
Ion Ratio Lower Upper
106 100
91 203.8 147.0 220.6

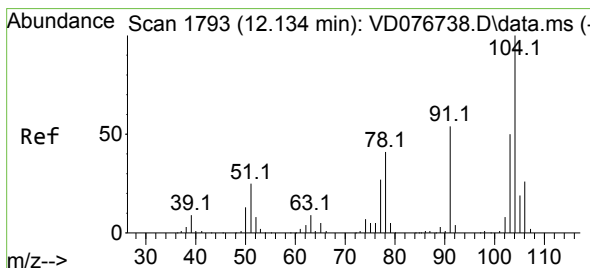
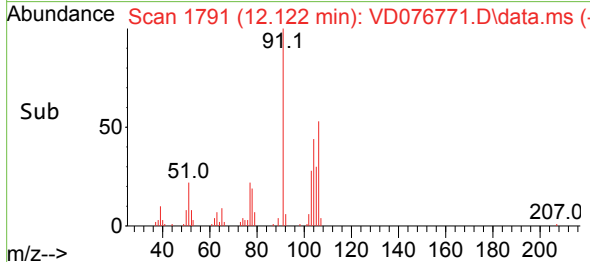
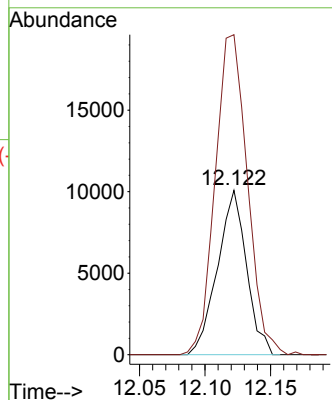
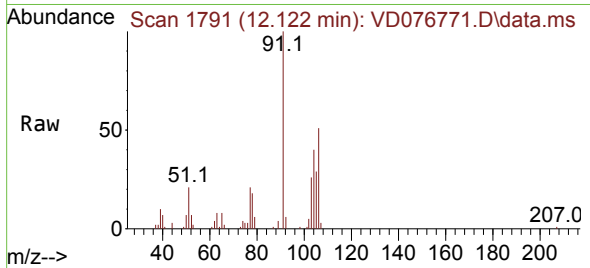




#69
o-Xylene
Concen: 4.199 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

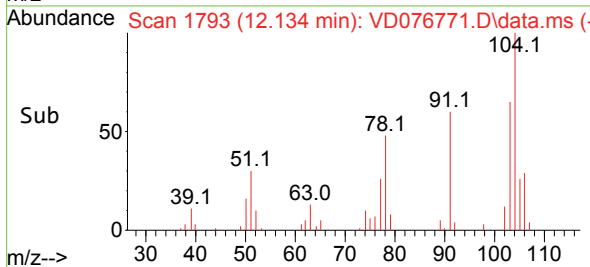
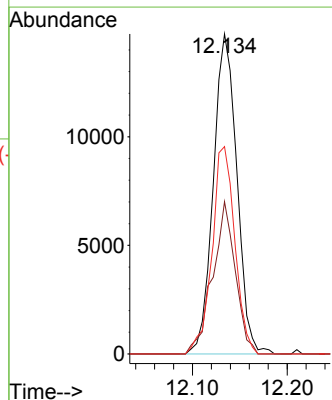
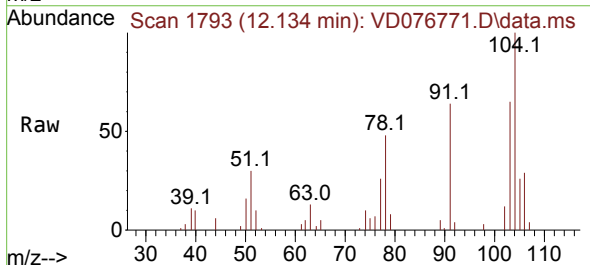
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

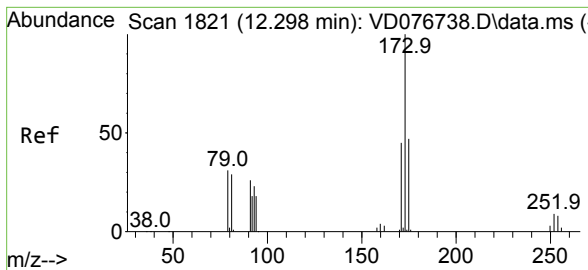
Tgt Ion:106 Resp: 15516
Ion Ratio Lower Upper
106 100
91 215.9 97.9 293.6



#70
Styrene
Concen: 3.931 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:104 Resp: 25430
Ion Ratio Lower Upper
104 100
78 46.1 33.2 49.8
103 62.8 43.6 65.4





#71

Bromoform

Concen: 4.305 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

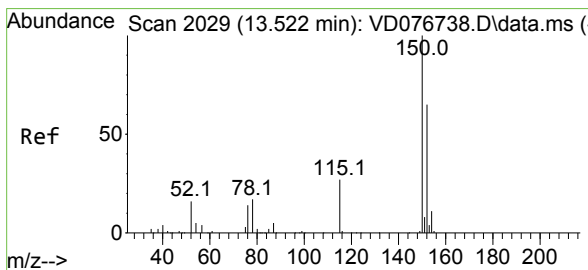
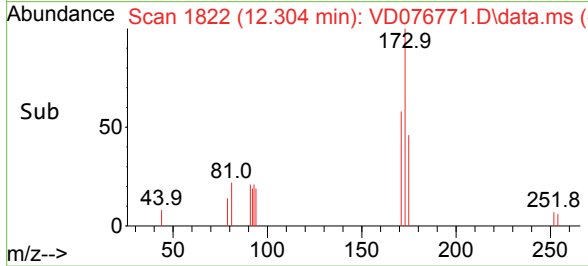
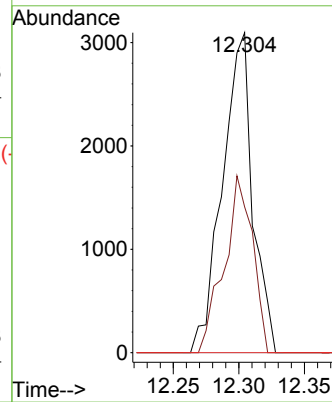
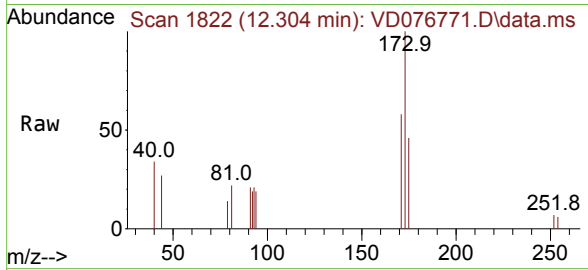
Tgt Ion:173 Resp: 4973

Ion Ratio Lower Upper

173 100

175 52.0 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

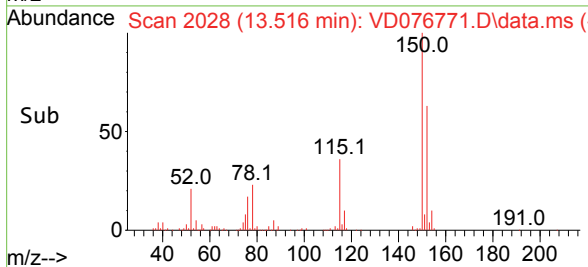
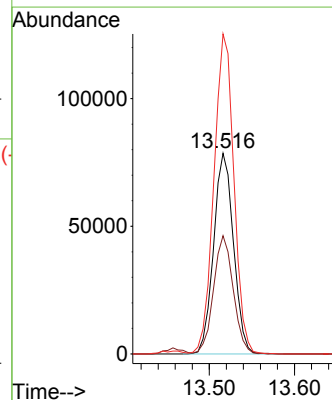
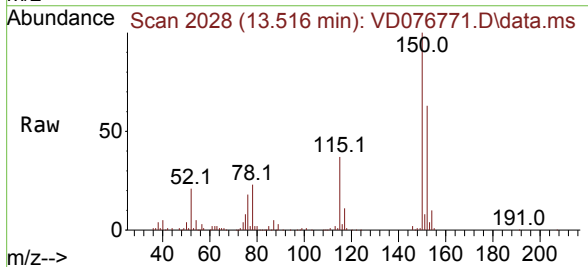
Tgt Ion:152 Resp: 126990

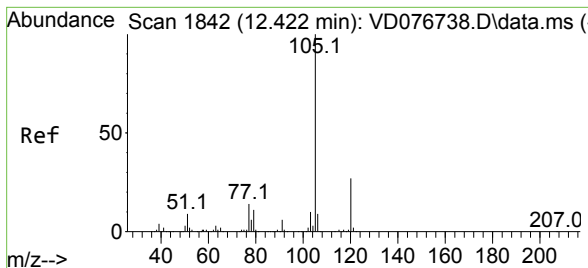
Ion Ratio Lower Upper

152 100

115 58.6 27.1 81.3

150 160.5 0.0 353.6





#73

Isopropylbenzene

Concen: 4.640 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

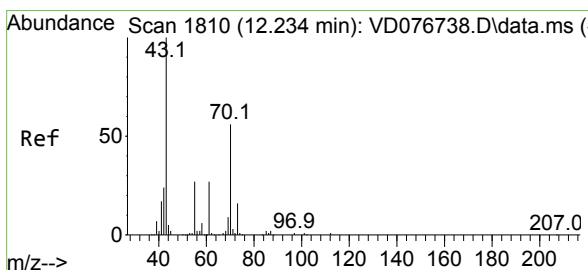
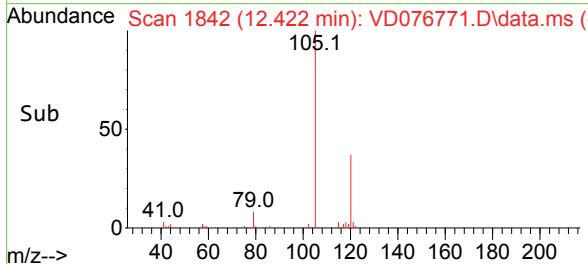
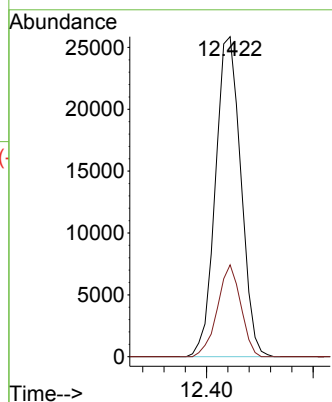
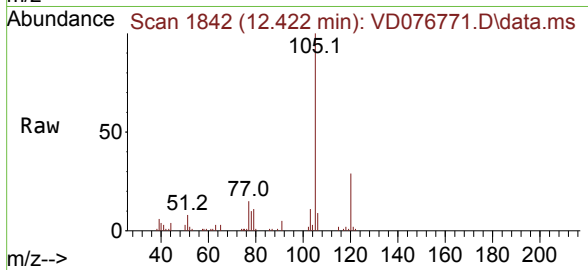
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 42747

Ion Ratio Lower Upper

105 100

120 26.3 14.3 42.9



#74

N-ethyl acetate

Concen: 4.191 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion: 43 Resp: 8135

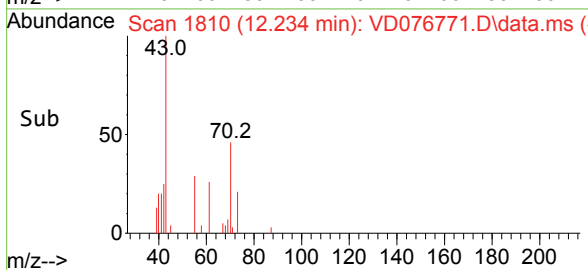
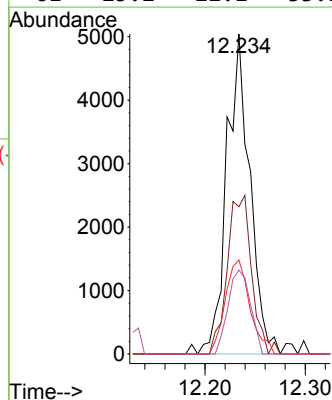
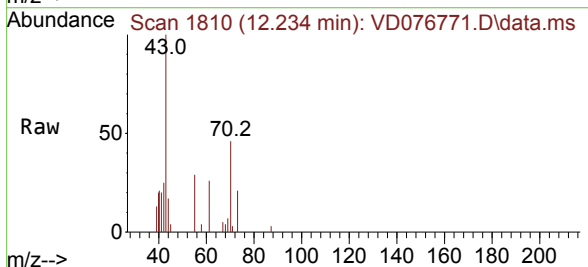
Ion Ratio Lower Upper

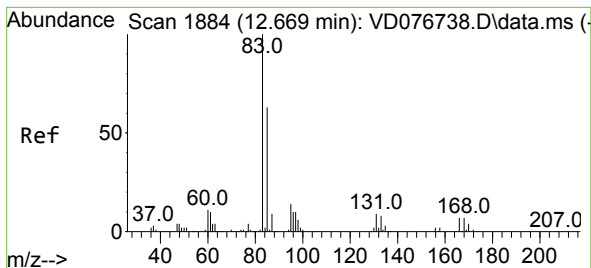
43 100

70 52.0 45.0 67.4

55 31.3 23.8 35.6

61 25.2 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.823 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

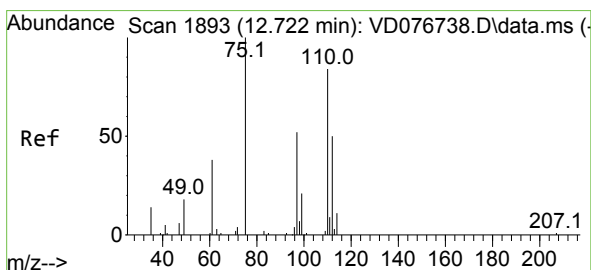
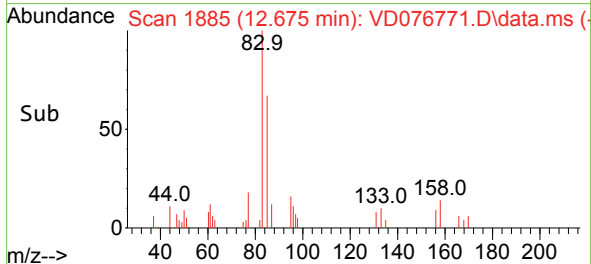
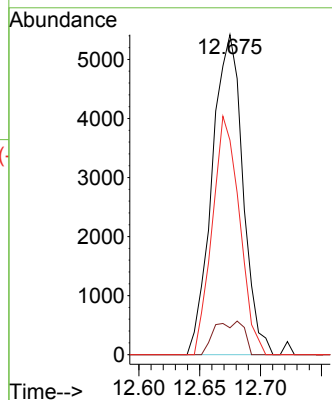
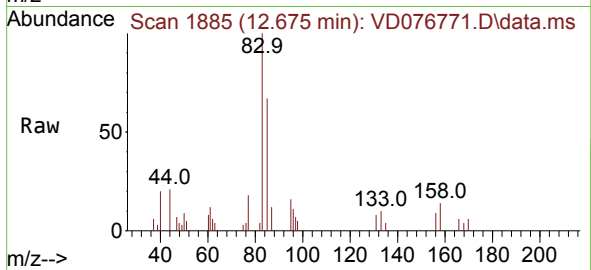
Tgt Ion: 83 Resp: 9540

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

85 65.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 8.415 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD076771.D

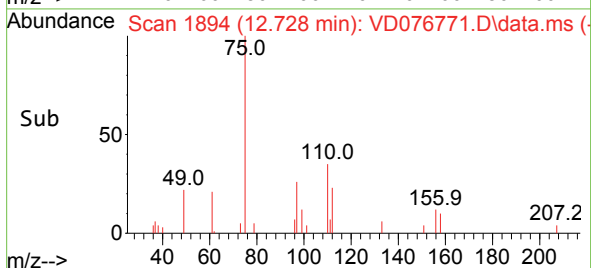
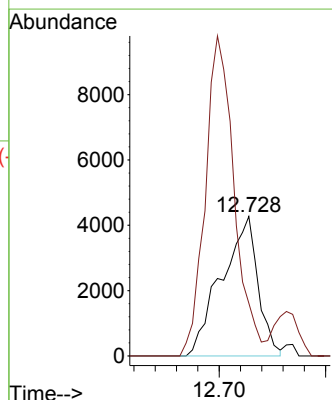
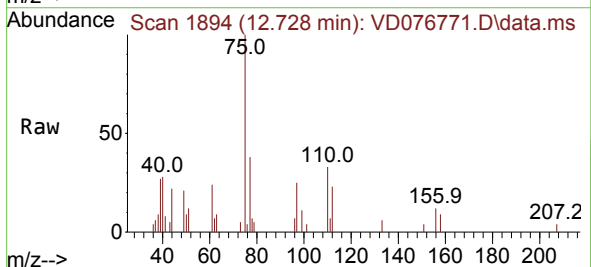
Acq: 18 Jul 2023 12:00

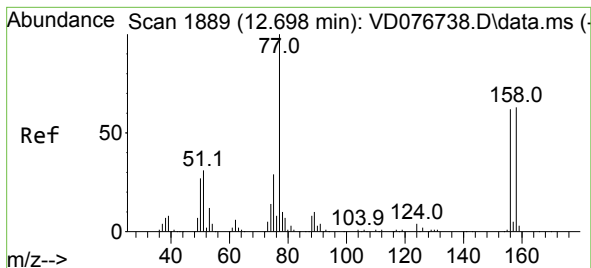
Tgt Ion: 75 Resp: 10162

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.681 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

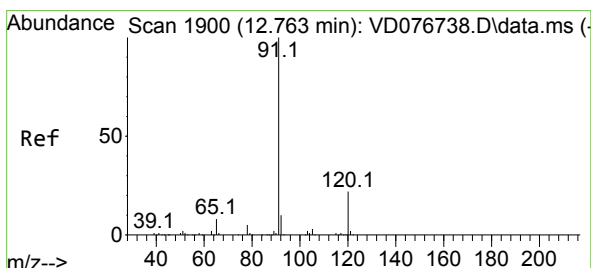
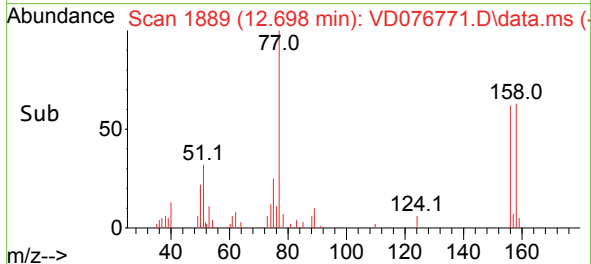
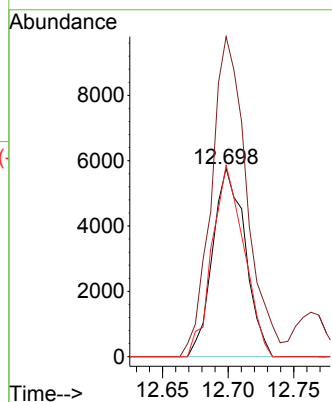
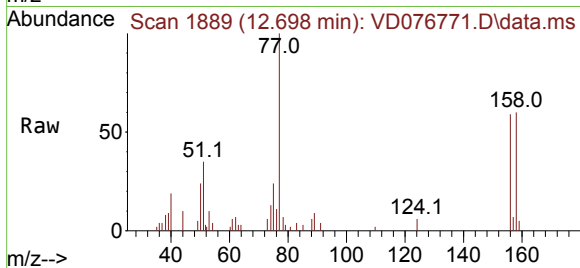
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	156	Resp:	9954
Ion Ratio	Lower	Upper	
156	100		
77	185.0	76.8	230.4
158	99.6	48.6	145.9



#78

n-propylbenzene

Concen: 5.018 ug/l

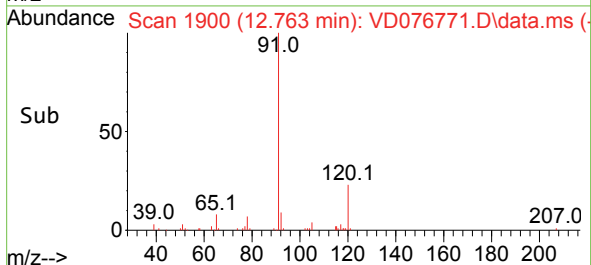
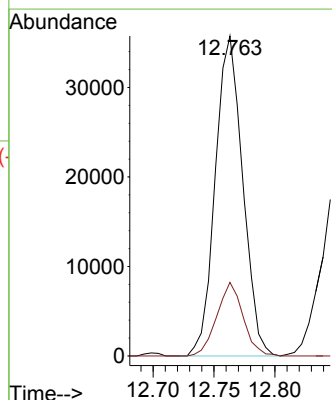
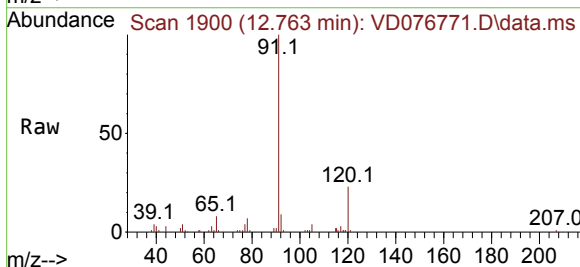
RT: 12.763 min Scan# 1900

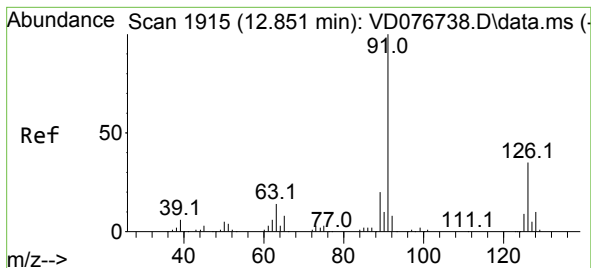
Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion:	91	Resp:	56051
Ion Ratio	Lower	Upper	
91	100		
120	22.0	12.4	37.2





#79

2-Chlorotoluene

Concen: 4.703 ug/l

RT: 12.845 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

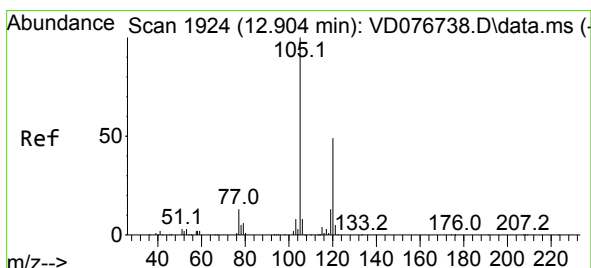
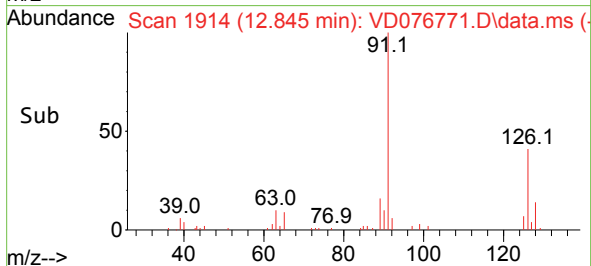
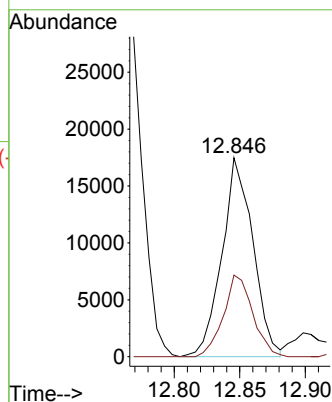
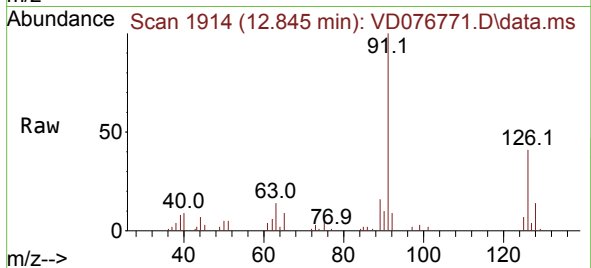
MDL-SOIL-03-QT3-2023

Tgt Ion: 91 Resp: 28805

Ion Ratio Lower Upper

91 100

126 38.7 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 4.546 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD076771.D

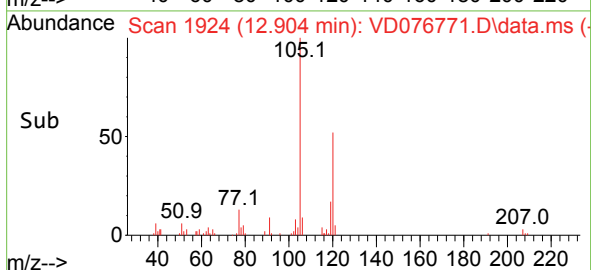
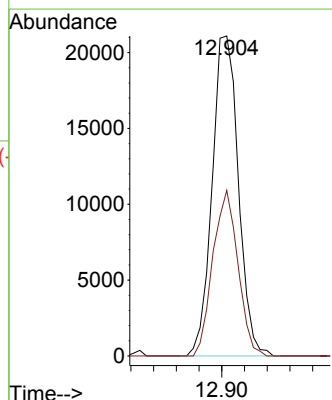
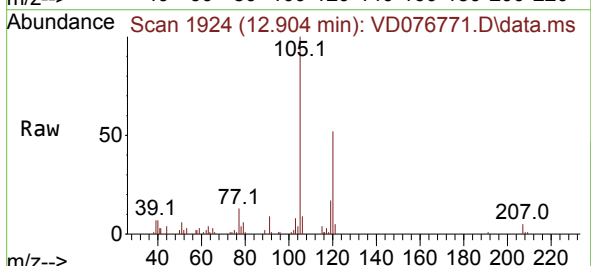
Acq: 18 Jul 2023 12:00

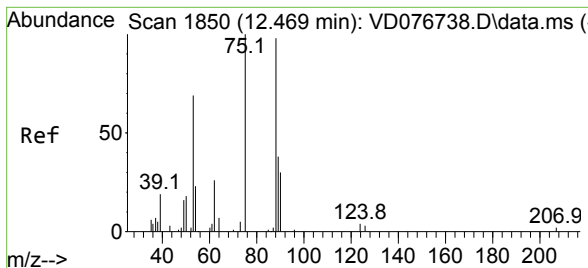
Tgt Ion:105 Resp: 33867

Ion Ratio Lower Upper

105 100

120 49.4 26.4 79.2

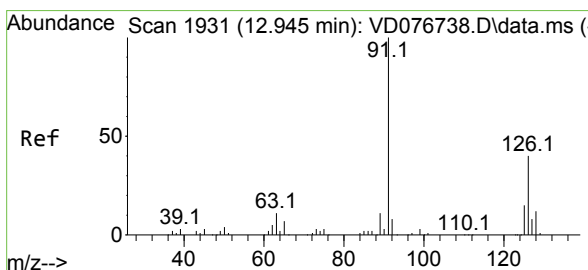
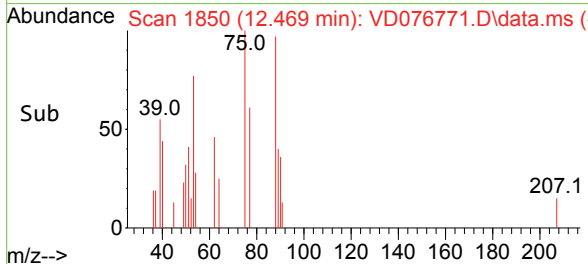
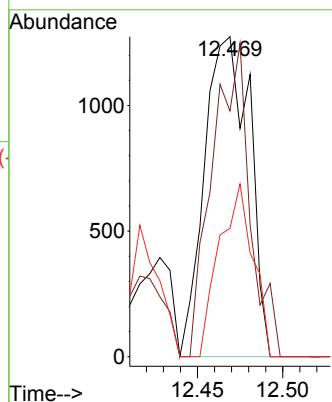
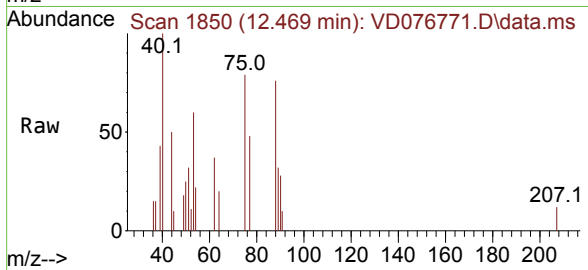




#81
trans-1,4-Dichloro-2-butene
Concen: 4.120 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

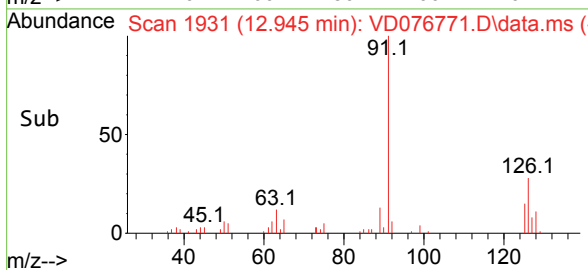
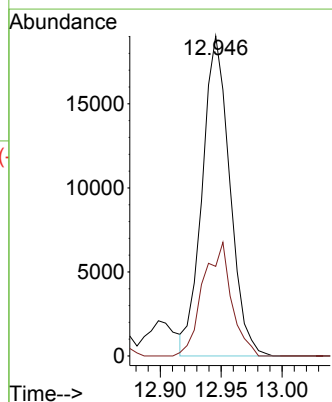
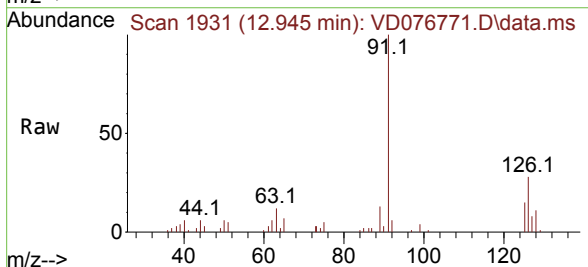
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

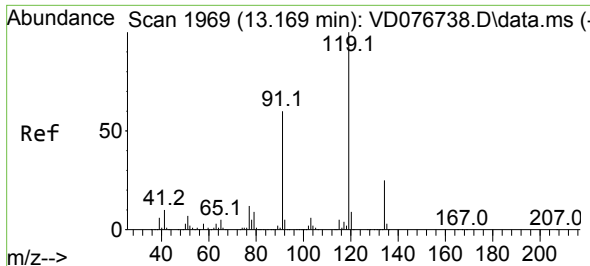
Tgt Ion:	75	Resp:	2338
Ion	Ratio	Lower	Upper
75	100		
53	82.1	63.0	94.4
89	40.7	37.9	56.9



#82
4-Chlorotoluene
Concen: 4.680 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:	91	Resp:	29941
Ion	Ratio	Lower	Upper
91	100		
126	36.8	19.4	58.4

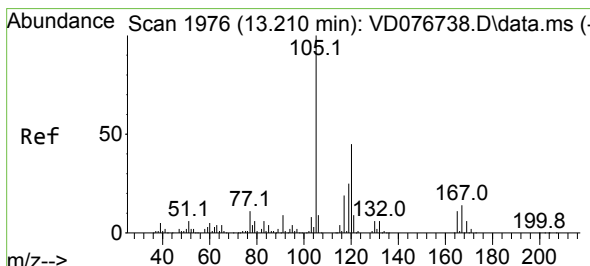
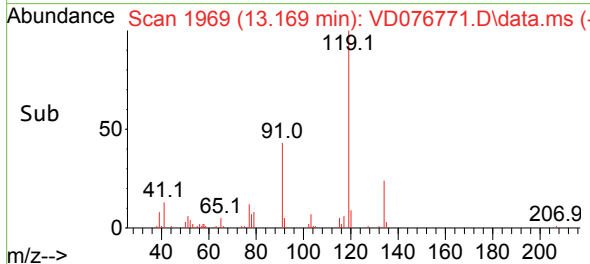
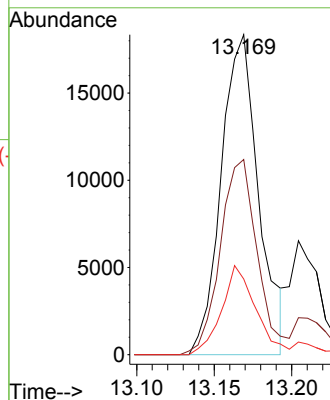
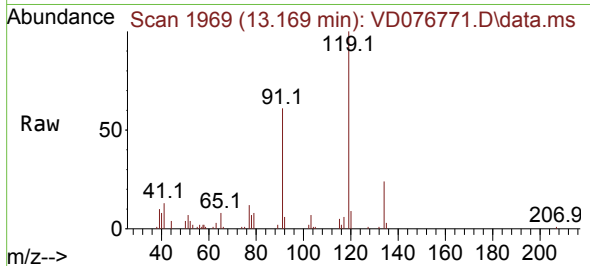




#83
tert-Butylbenzene
Concen: 4.701 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

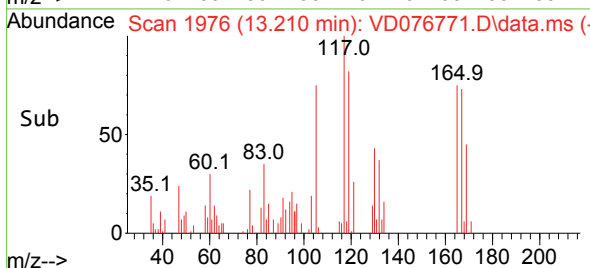
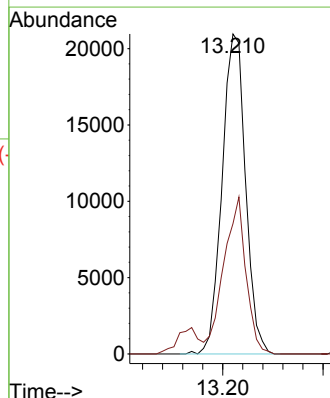
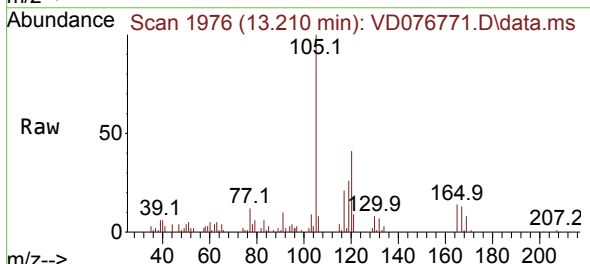
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

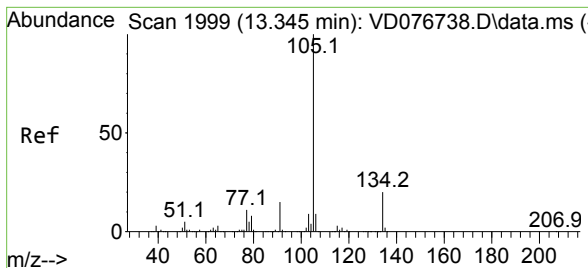
Tgt Ion:	119	Resp:	30836
Ion Ratio	Lower	Upper	
119	100		
91	60.5	29.3	87.8
134	25.3	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 4.464 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076771.D
Acq: 18 Jul 2023 12:00

Tgt Ion:	105	Resp:	33988
Ion Ratio	Lower	Upper	
105	100		
120	46.6	24.3	72.9





#85

sec-Butylbenzene

Concen: 4.683 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

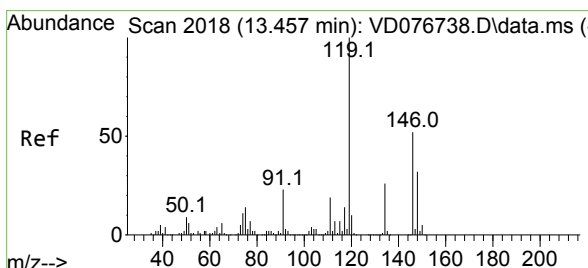
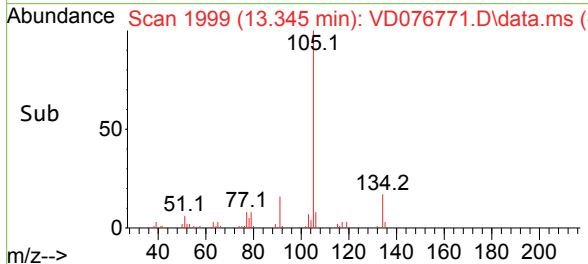
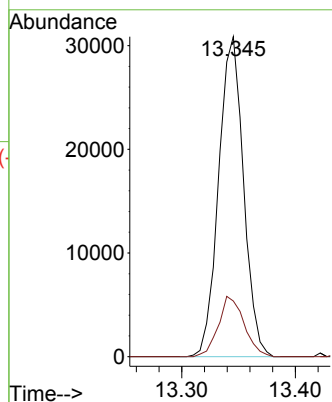
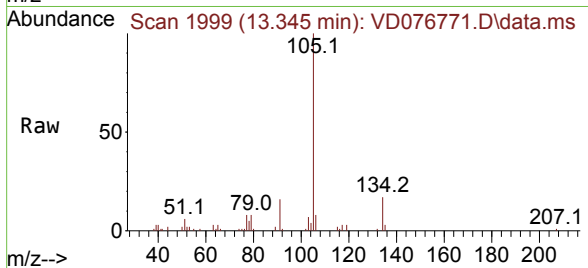
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 46933

Ion Ratio Lower Upper

105 100

134 19.5 10.9 32.9



#86

p-Isopropyltoluene

Concen: 4.511 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

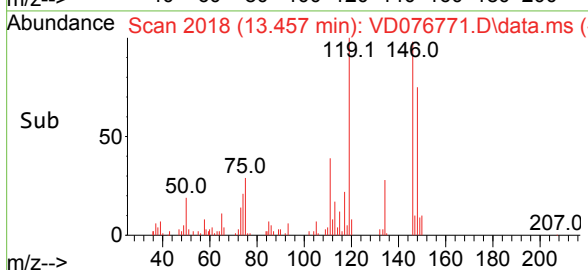
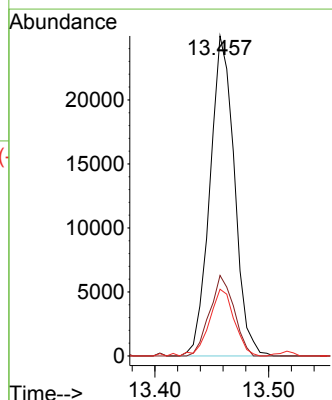
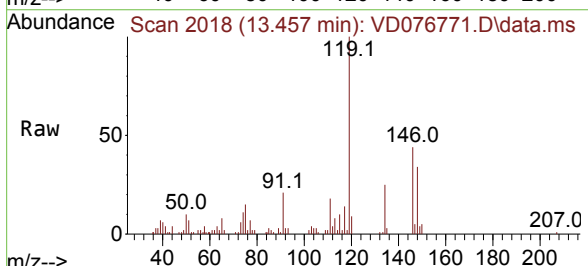
Tgt Ion:119 Resp: 37337

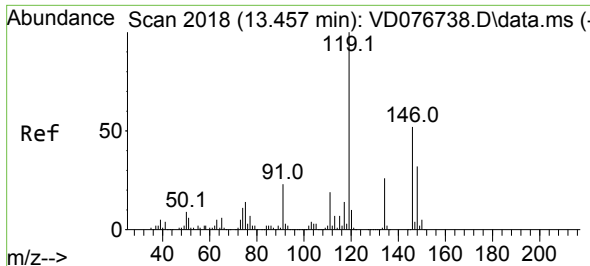
Ion Ratio Lower Upper

119 100

134 25.0 14.2 42.6

91 21.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 4.742 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

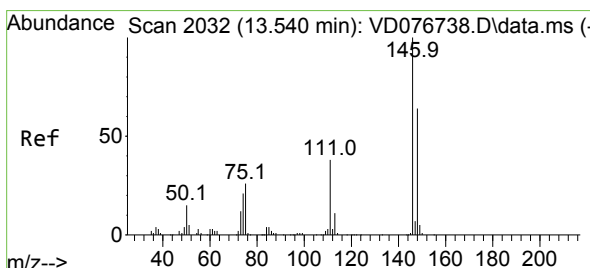
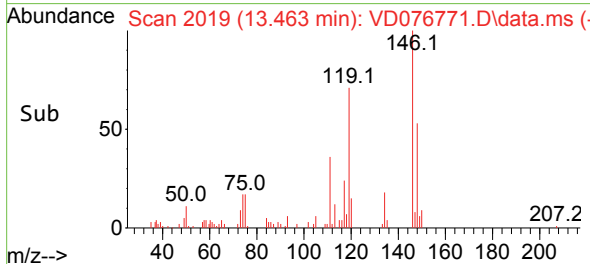
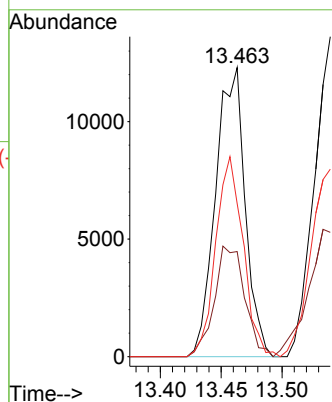
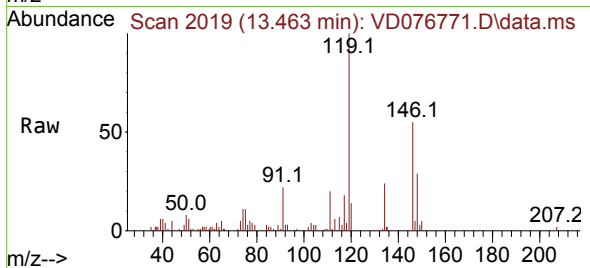
Tgt Ion:146 Resp: 20744

Ion Ratio Lower Upper

146 100

111 39.3 17.9 53.8

148 64.2 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 4.933 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

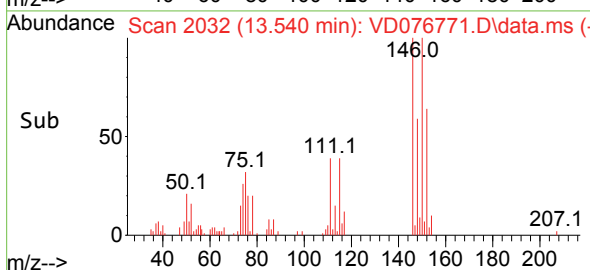
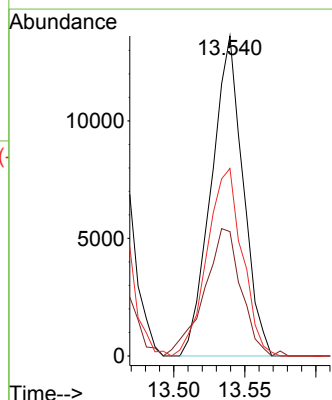
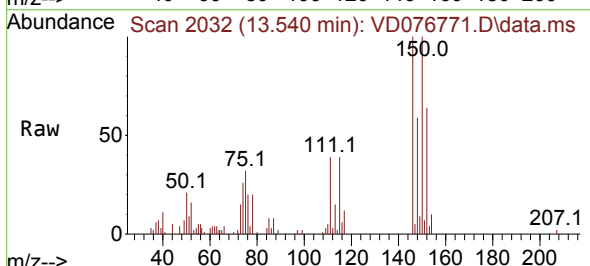
Tgt Ion:146 Resp: 21139

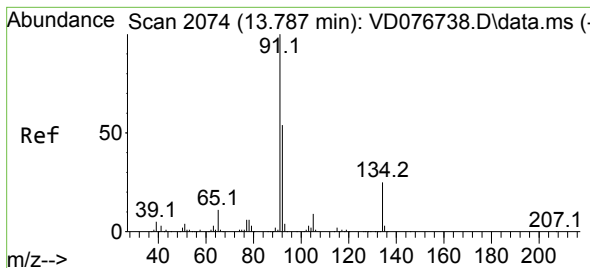
Ion Ratio Lower Upper

146 100

111 46.5 17.4 52.3

148 65.0 31.7 95.1





#89

n-Butylbenzene

Concen: 4.594 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

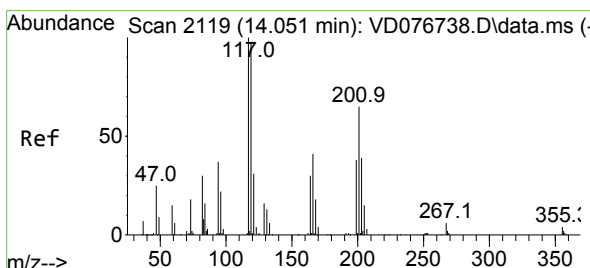
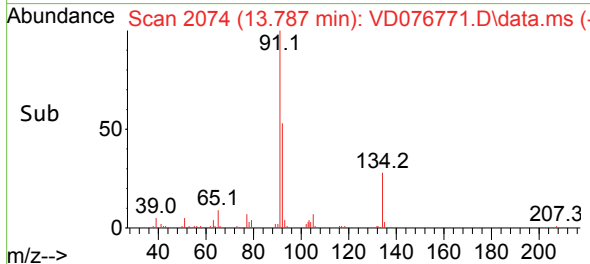
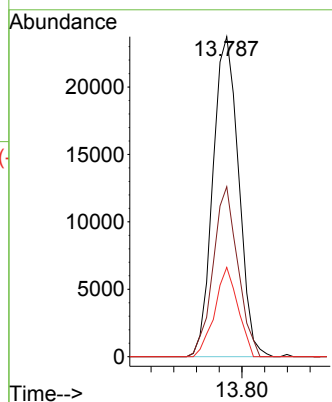
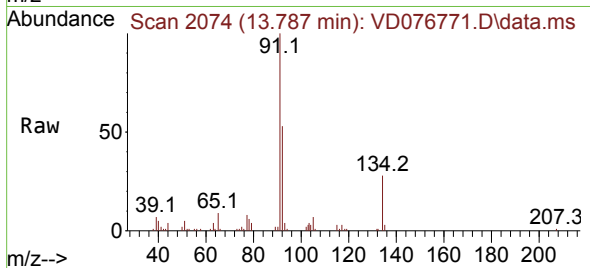
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	91	Resp:	37210
Ion Ratio	Lower	Upper	
91	100		
92	51.2	26.5	79.5
134	25.2	13.8	41.3



#90

Hexachloroethane

Concen: 4.987 ug/l

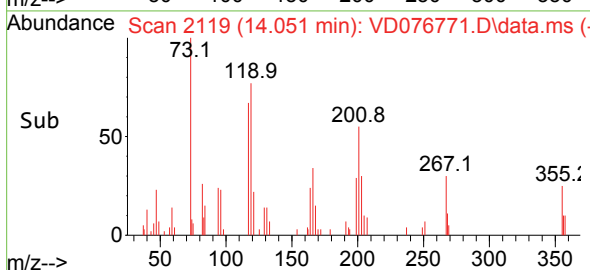
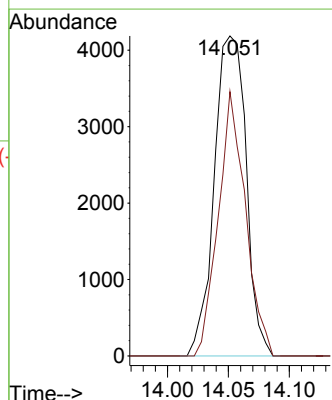
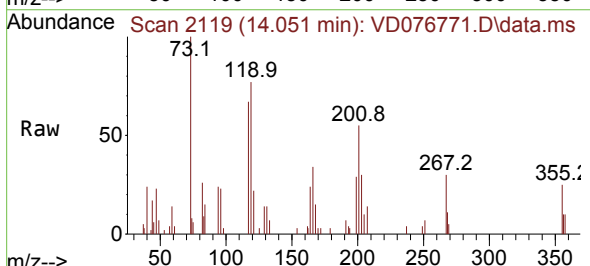
RT: 14.051 min Scan# 2119

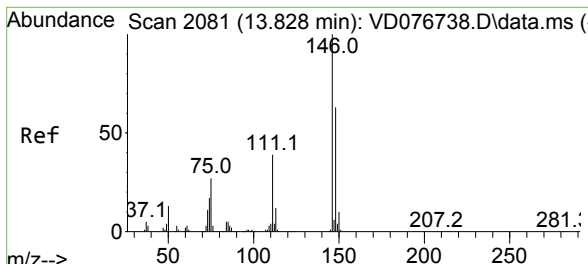
Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion:	117	Resp:	7631
Ion Ratio	Lower	Upper	
117	100		
201	70.6	38.5	115.5

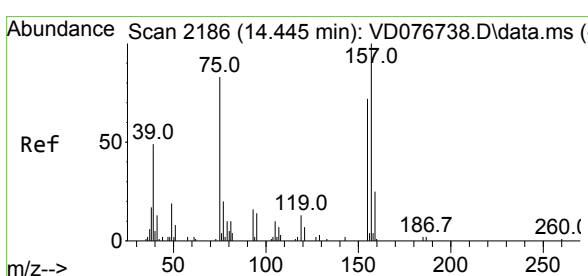
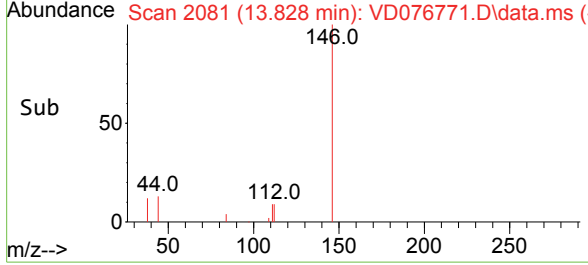
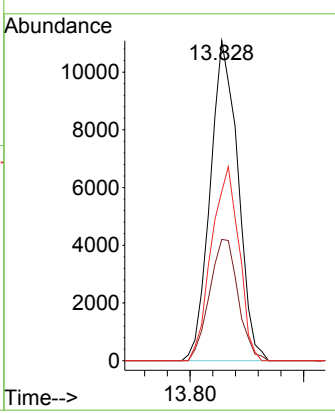
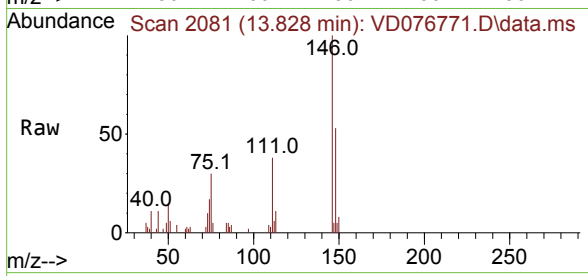




#91
 1,2-Dichlorobenzene
 Concen: 4.867 ug/l
 RT: 13.828 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

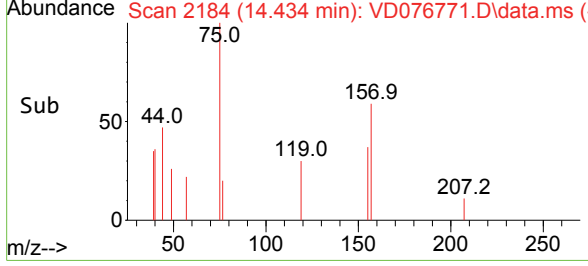
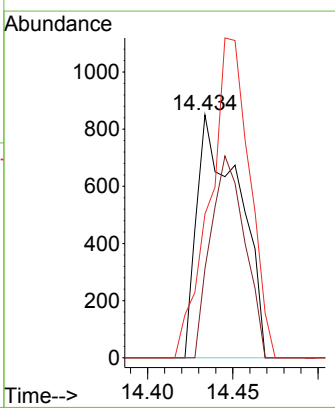
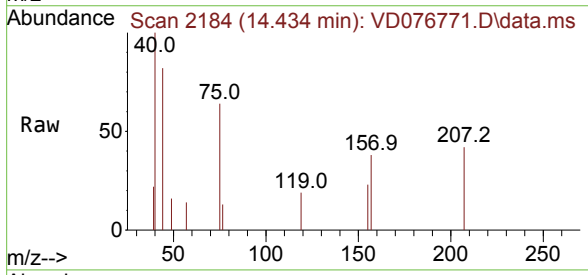
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT3-2023

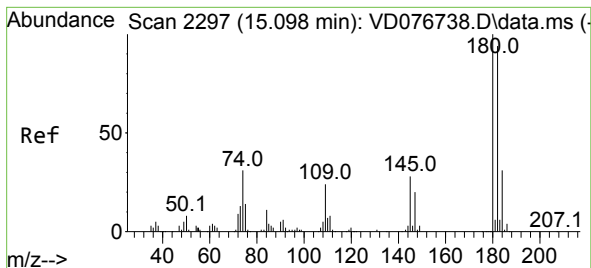
Tgt Ion:	146	Resp:	18761
Ion Ratio	Lower	Upper	
146	100		
111	39.2	18.3	54.8
148	60.2	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.194 ug/l
 RT: 14.434 min Scan# 2184
 Delta R.T. -0.011 min
 Lab File: VD076771.D
 Acq: 18 Jul 2023 12:00

Tgt Ion:	75	Resp:	1465
Ion Ratio	Lower	Upper	
75	100		
155	67.4	47.9	143.8
157	123.8	59.9	179.7





#93

1,2,4-Trichlorobenzene

Concen: 4.486 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

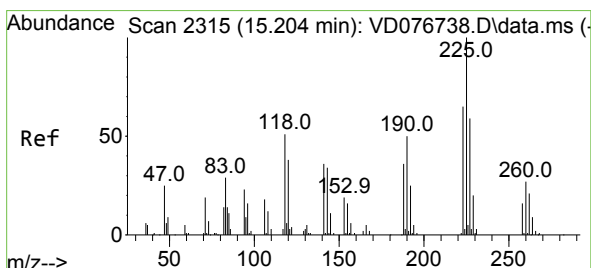
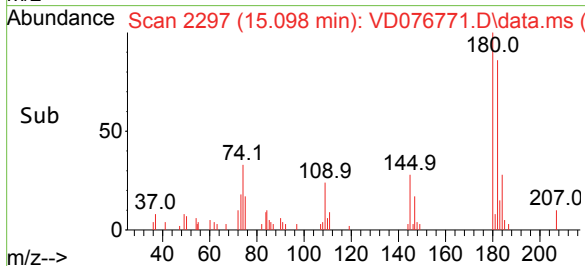
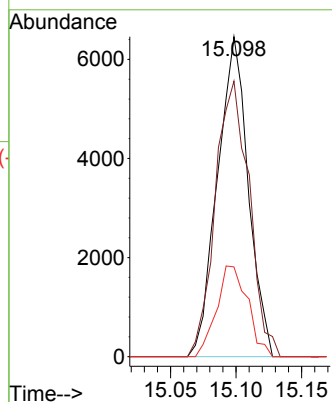
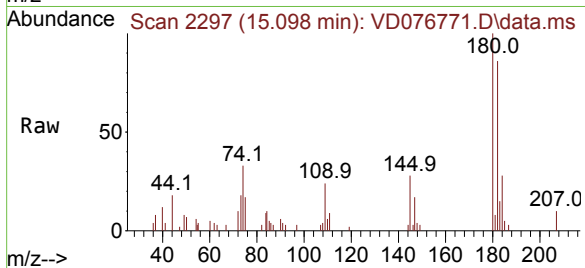
Tgt Ion:180 Resp: 10556

Ion Ratio Lower Upper

180 100

182 94.6 48.5 145.6

145 28.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.971 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

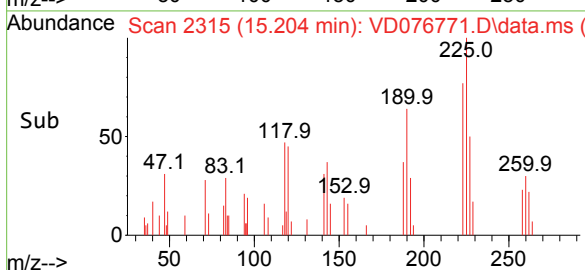
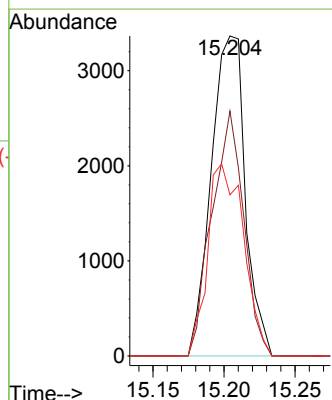
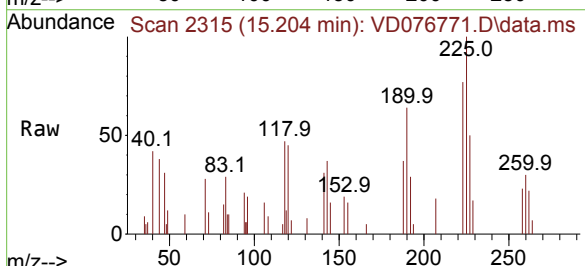
Tgt Ion:225 Resp: 5626

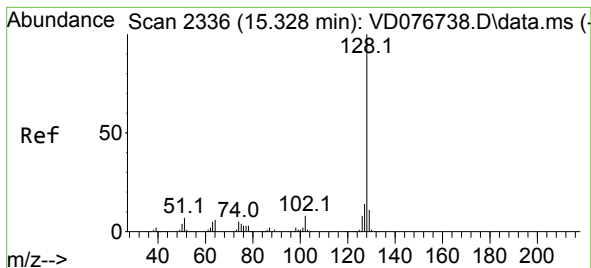
Ion Ratio Lower Upper

225 100

223 71.2 31.6 94.8

227 63.3 31.7 95.1





#95

Naphthalene

Concen: 4.146 ug/l

RT: 15.334 min Scan# 21122

Delta R.T. 0.006 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

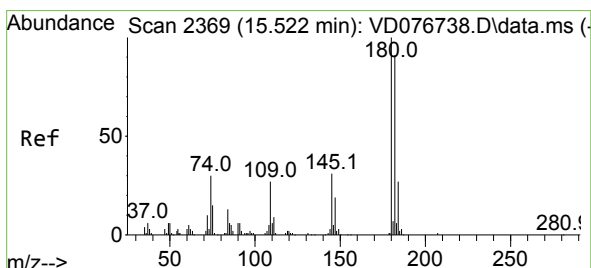
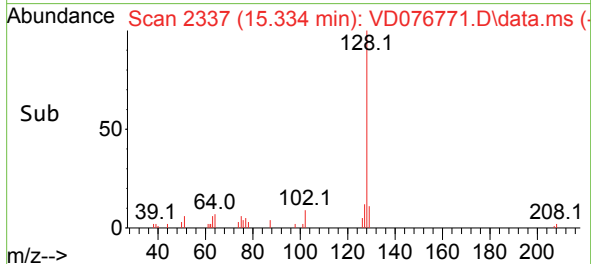
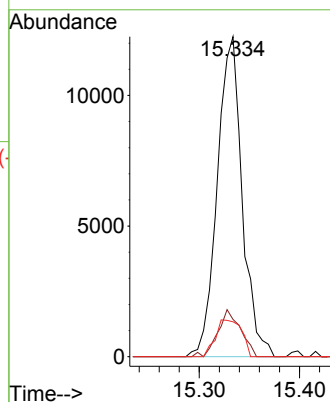
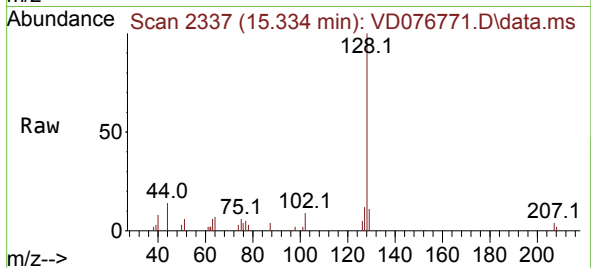
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	128	Resp:	21122
Ion Ratio	Lower	Upper	
128	100		
127	11.7	10.5	15.7
129	10.9	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.490 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD076771.D

Acq: 18 Jul 2023 12:00

Tgt Ion:	180	Resp:	9482
Ion Ratio	Lower	Upper	
180	100		
182	89.9	47.3	141.9
145	33.0	15.1	45.3

