

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076770.D
 Acq On : 18 Jul 2023 11:32
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 19 08:15:39 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	173090	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	312127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	280375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124462	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	83303	48.319	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.640%
35) Dibromofluoromethane	7.804	113	96882	49.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.780%
50) Toluene-d8	10.269	98	313765	44.716	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.440%
62) 4-Bromofluorobenzene	12.575	95	101138	44.556	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.120%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	3752	2.772	ug/l	92
3) Chloromethane	2.146	50	5358	2.295	ug/l	95
4) Vinyl Chloride	2.275	62	7137	2.293	ug/l #	82
5) Bromomethane	2.687	94	7108	2.776	ug/l	90
6) Chloroethane	2.834	64	4803	2.044	ug/l	99
7) Trichlorofluoromethane	3.175	101	6510	2.351	ug/l	90
8) Diethyl Ether	3.593	74	2402	2.519	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.958	101	4530	2.488	ug/l	94
10) Methyl Iodide	4.146	142	4924	2.399	ug/l #	64
11) Tert butyl alcohol	5.063	59	1452	11.286	ug/l #	73
12) 1,1-Dichloroethene	3.934	96	4287	2.506	ug/l #	86
13) Acrolein	3.799	56	1492	17.018	ug/l	83
14) Allyl chloride	4.563	41	2648	1.179	ug/l #	12
15) Acrylonitrile	5.263	53	5563	11.878	ug/l #	74
16) Acetone	4.034	43	4780	11.609	ug/l #	85
17) Carbon Disulfide	4.269	76	8830	2.210	ug/l	96
18) Methyl Acetate	4.563	43	3858	2.494	ug/l #	81
19) Methyl tert-butyl Ether	5.316	73	9215	2.009	ug/l	98
20) Methylene Chloride	4.805	84	15397	4.521	ug/l	96
21) trans-1,2-Dichloroethene	5.310	96	4672	2.350	ug/l	92
22) Diisopropyl ether	6.222	45	10372	1.949	ug/l #	86
23) Vinyl Acetate	6.152	43	10405	3.952	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	8632	2.406	ug/l #	87
25) 2-Butanone	7.087	43	7255	13.166	ug/l	97
26) 2,2-Dichloropropane	7.063	77	10112	3.270	ug/l	88
27) cis-1,2-Dichloroethene	7.081	96	5726	2.336	ug/l	84
28) Bromochloromethane	7.428	49	2331	2.599	ug/l #	41
29) Tetrahydrofuran	7.451	42	3811	11.705	ug/l #	75
30) Chloroform	7.593	83	9498	2.417	ug/l	84
31) Cyclohexane	7.875	56	9389	3.700	ug/l #	66
32) 1,1,1-Trichloroethane	7.793	97	8015	2.528	ug/l	94
36) 1,1-Dichloropropene	8.004	75	6390	2.493	ug/l	95
37) Ethyl Acetate	7.169	43	1833	1.599	ug/l #	82
38) Carbon Tetrachloride	7.998	117	5324	2.169	ug/l #	71
39) Methylcyclohexane	9.263	83	6572	2.221	ug/l #	91
40) Benzene	8.251	78	18411	2.277	ug/l #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076770.D
 Acq On : 18 Jul 2023 11:32
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 19 08:15:39 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)
41) Methacrylonitrile	7.416	41	674	0.963	ug/l #	5
42) 1,2-Dichloroethane	8.334	62	4889	2.327	ug/l	100
43) Isopropyl Acetate	8.363	43	4725	2.112	ug/l #	73
44) Trichloroethene	9.028	130	4940	2.242	ug/l	77
45) 1,2-Dichloropropane	9.304	63	4963	2.377	ug/l	94
46) Dibromomethane	9.393	93	3134	2.565	ug/l #	81
47) Bromodichloromethane	9.587	83	7213	2.352	ug/l #	82
48) Methyl methacrylate	9.381	41	2421	2.378	ug/l #	67
49) 1,4-Dioxane	9.398	88	471	30.085	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	12941	10.865	ug/l	89
52) Toluene	10.334	92	11626	2.189	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	6420	2.256	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	7265	2.166	ug/l #	89
55) 1,1,2-Trichloroethane	10.734	97	4324	2.423	ug/l #	91
56) Ethyl methacrylate	10.598	69	4284	2.080	ug/l #	72
57) 1,3-Dichloropropane	10.881	76	6719	2.312	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	9259	11.615	ug/l	99
59) 2-Hexanone	10.922	43	8805	10.361	ug/l	90
60) Dibromochloromethane	11.069	129	4440	2.142	ug/l	96
61) 1,2-Dibromoethane	11.175	107	3406	2.059	ug/l	84
64) Tetrachloroethene	10.816	164	4175	2.611	ug/l	91
65) Chlorobenzene	11.604	112	13072	2.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	4788	2.281	ug/l	95
67) Ethyl Benzene	11.687	91	22168	2.238	ug/l	92
68) m/p-Xylenes	11.792	106	15955	4.195	ug/l	86
69) o-Xylene	12.116	106	7576	2.060	ug/l	88
70) Styrene	12.139	104	13040	2.025	ug/l	97
71) Bromoform	12.298	173	3056	2.658	ug/l #	93
73) Isopropylbenzene	12.422	105	18968	2.101	ug/l	98
74) N-amyl acetate	12.239	43	4410	2.318	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.669	83	5477	2.825	ug/l	94
76) 1,2,3-Trichloropropane	12.716	75	5699	4.815	ug/l #	100
77) Bromobenzene	12.698	156	5408	2.595	ug/l	85
78) n-propylbenzene	12.763	91	25374	2.318	ug/l	97
79) 2-Chlorotoluene	12.845	91	13817	2.302	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	15987	2.190	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	1575	2.832	ug/l #	79
82) 4-Chlorotoluene	12.951	91	13939	2.223	ug/l	97
83) tert-Butylbenzene	13.163	119	14303	2.225	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	15735	2.109	ug/l	98
85) sec-Butylbenzene	13.345	105	22253	2.266	ug/l	96
86) p-Isopropyltoluene	13.457	119	18411	2.270	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	10259	2.393	ug/l	93
88) 1,4-Dichlorobenzene	13.534	146	11325	2.696	ug/l	90
89) n-Butylbenzene	13.786	91	18631	2.347	ug/l	97
90) Hexachloroethane	14.051	117	3954	2.637	ug/l	80
91) 1,2-Dichlorobenzene	13.828	146	9231	2.444	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	516	1.867	ug/l	66
93) 1,2,4-Trichlorobenzene	15.092	180	5667	2.457	ug/l	99
94) Hexachlorobutadiene	15.198	225	2980	2.687	ug/l	93
95) Naphthalene	15.333	128	12706	2.544	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.522	180	5250	2.537	ug/l	90

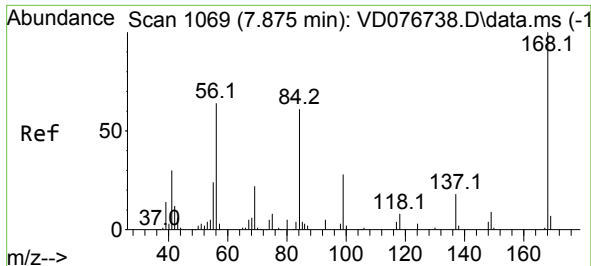
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
Data File : VD076770.D
Acq On : 18 Jul 2023 11:32
Operator : KP/SY
Sample : 03572-03
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 19 08:15:39 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

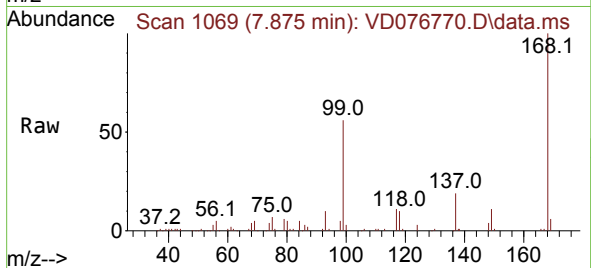
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

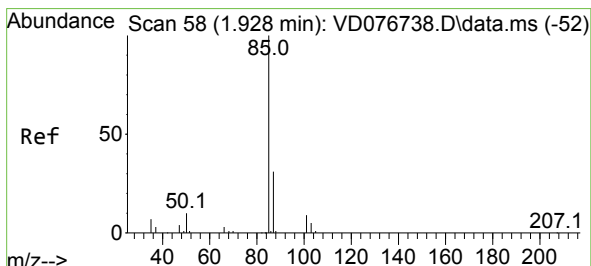
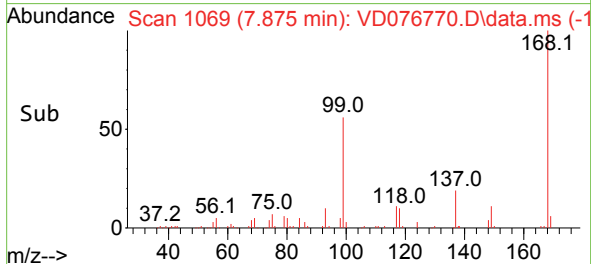
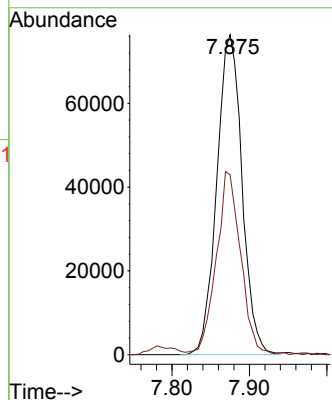


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

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

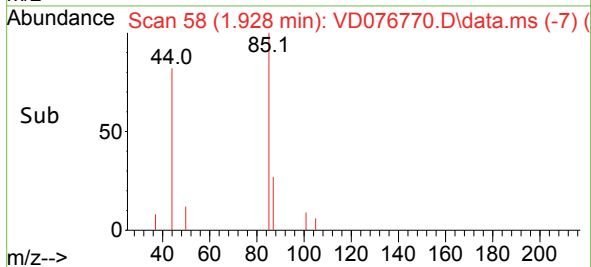
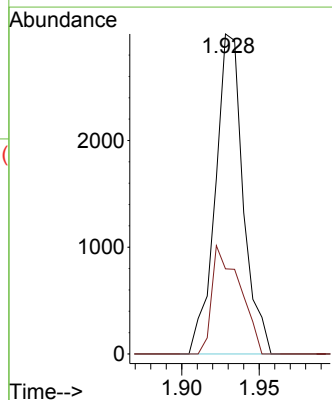
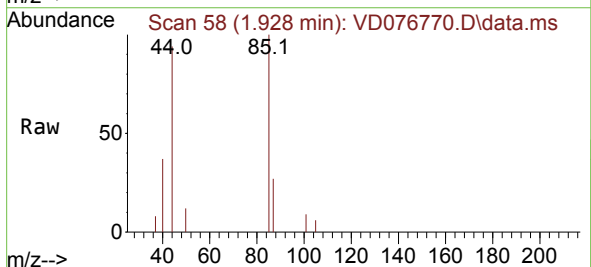


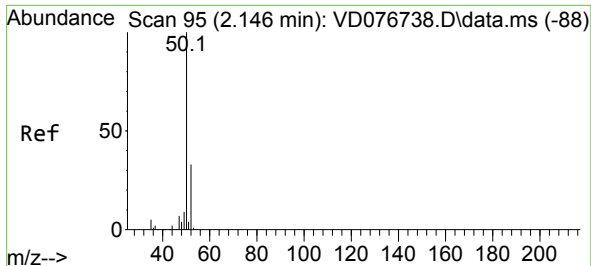
Tgt Ion:168 Resp: 173090
Ion Ratio Lower Upper
168 100
99 55.6 36.7 55.1#



#2
Dichlorodifluoromethane
Concen: 2.772 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 85 Resp: 3752
Ion Ratio Lower Upper
85 100
87 26.6 15.7 47.0

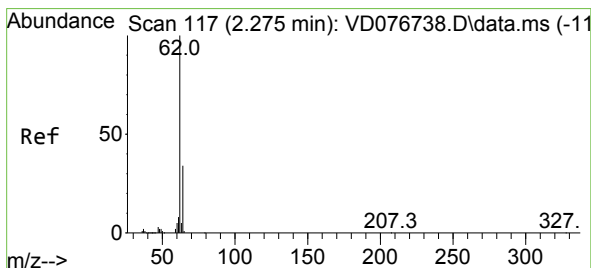
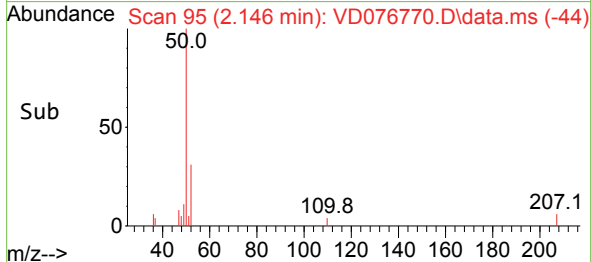
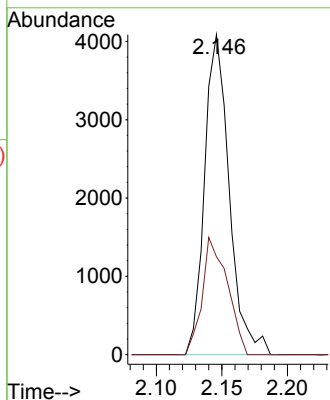
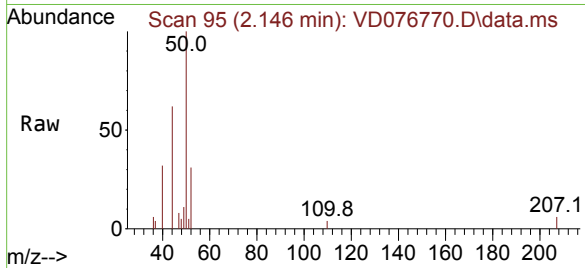




#3
Chloromethane
Concen: 2.295 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

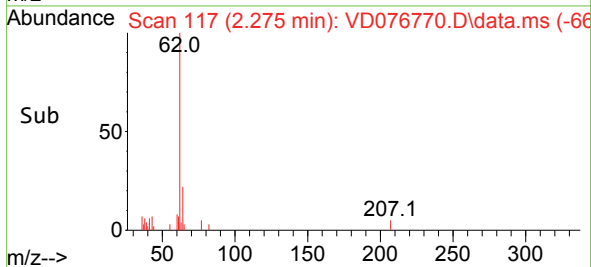
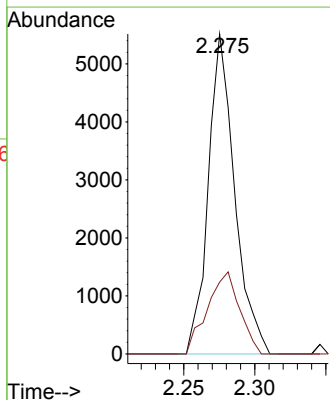
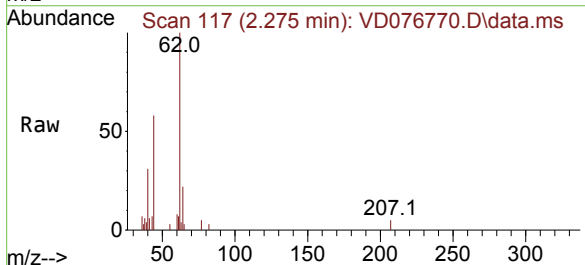
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

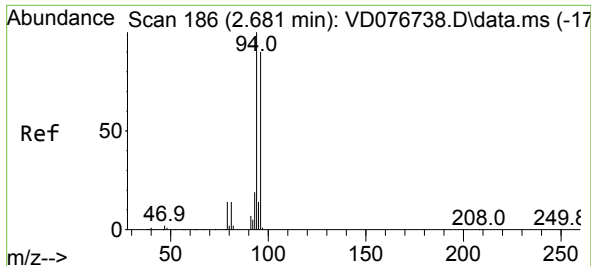
Tgt Ion: 50 Resp: 5358
Ion Ratio Lower Upper
50 100
52 30.6 26.6 40.0



#4
Vinyl Chloride
Concen: 2.293 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 62 Resp: 7137
Ion Ratio Lower Upper
62 100
64 22.4 26.0 39.0#

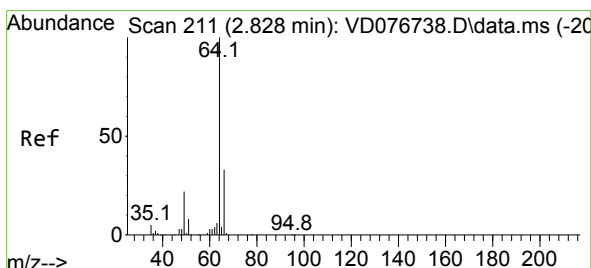
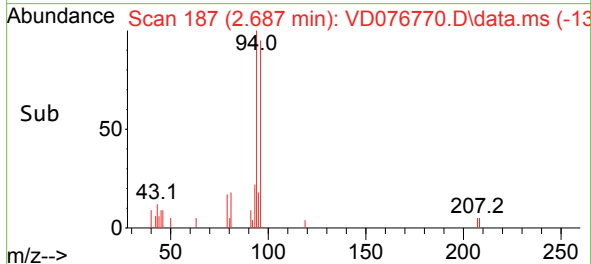
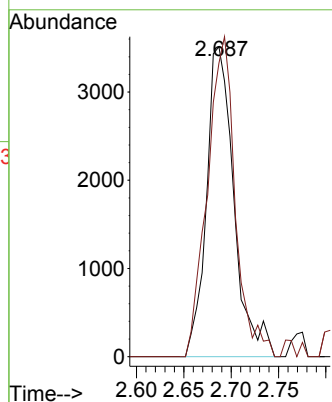
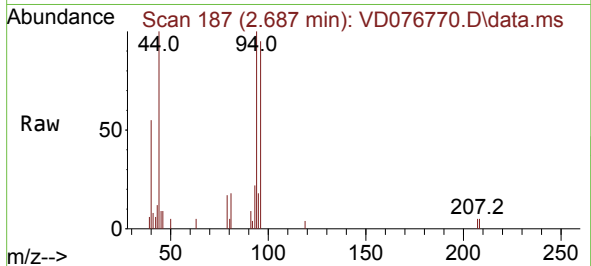




#5
Bromomethane
Concen: 2.776 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

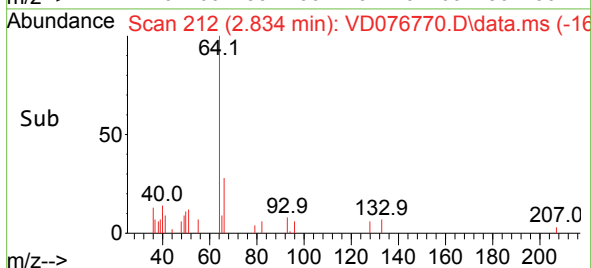
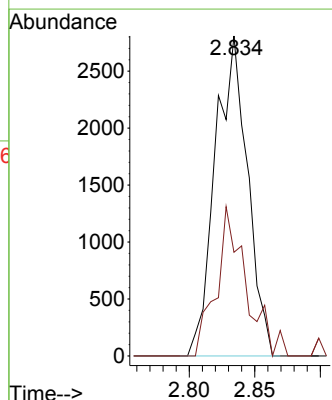
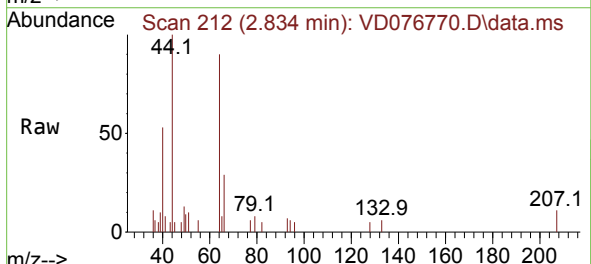
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

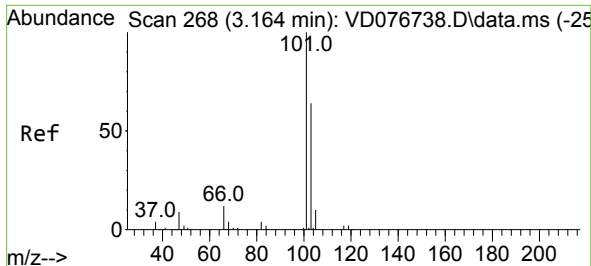
Tgt Ion: 94 Resp: 7108
Ion Ratio Lower Upper
94 100
96 104.8 75.8 113.8



#6
Chloroethane
Concen: 2.044 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 64 Resp: 4803
Ion Ratio Lower Upper
64 100
66 32.4 25.5 38.3

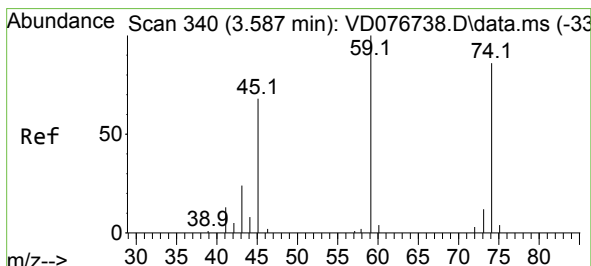
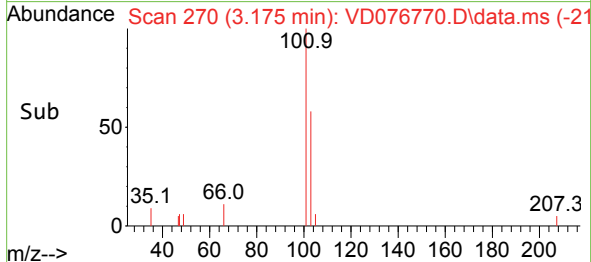
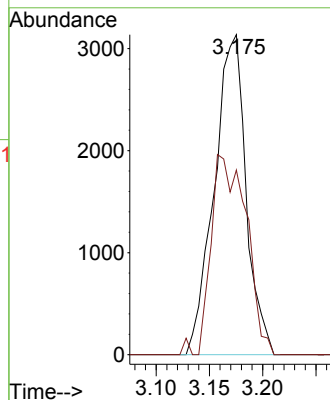
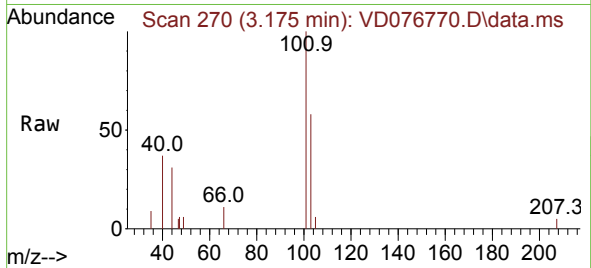




#7
 Trichlorofluoromethane
 Concen: 2.351 ug/l
 RT: 3.175 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

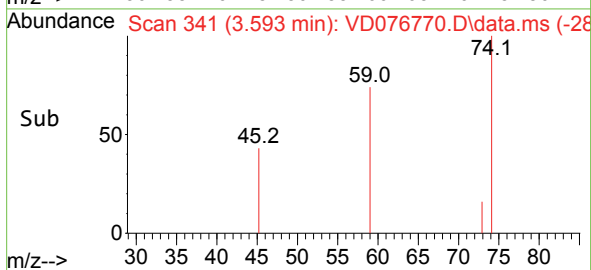
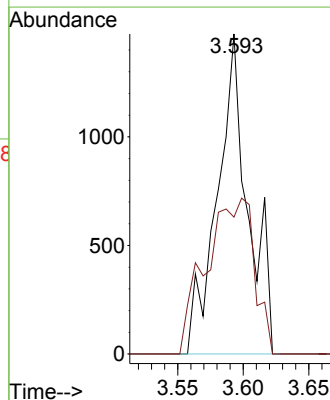
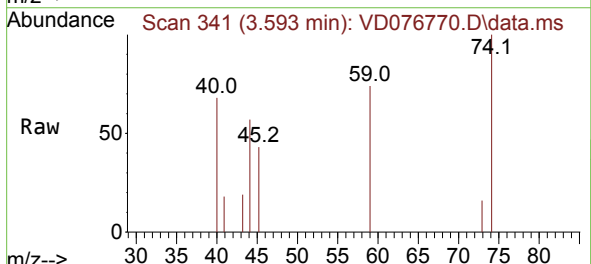
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

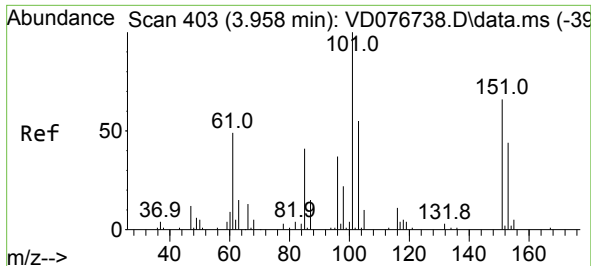
Tgt Ion:101 Resp: 6510
 Ion Ratio Lower Upper
 101 100
 103 57.7 52.3 78.5



#8
 Diethyl Ether
 Concen: 2.519 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

Tgt Ion: 74 Resp: 2402
 Ion Ratio Lower Upper
 74 100
 45 76.6 37.5 112.7

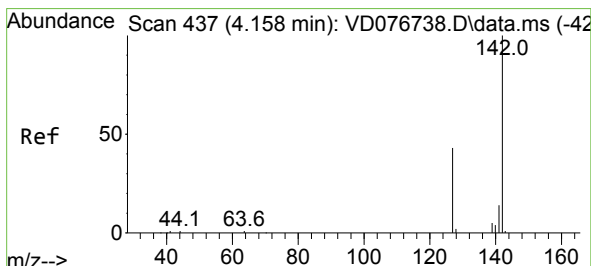
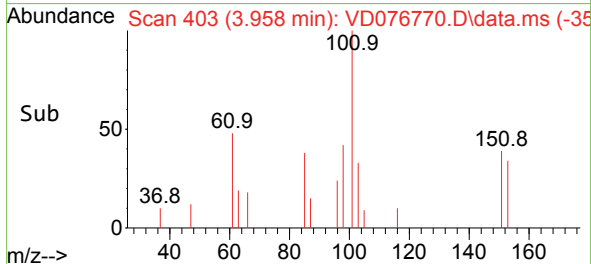
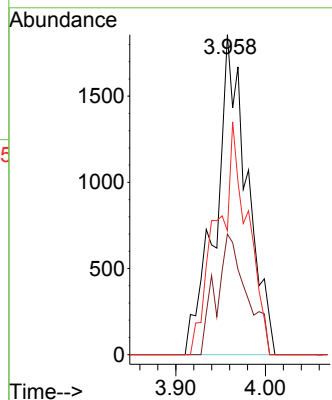
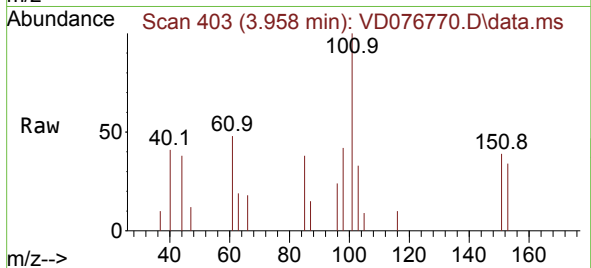




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.488 ug/l
RT: 3.958 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

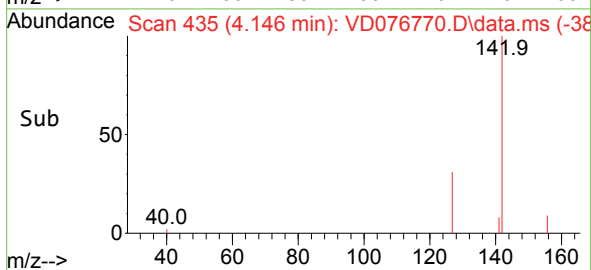
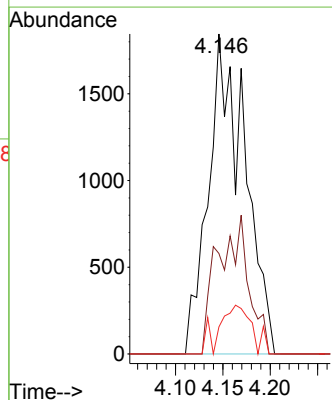
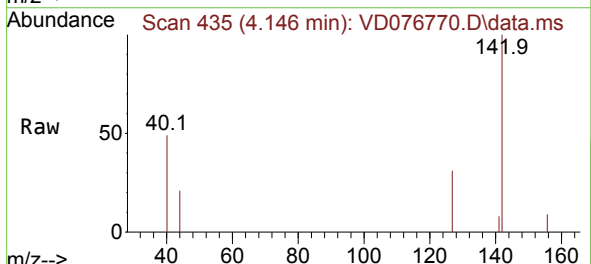
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

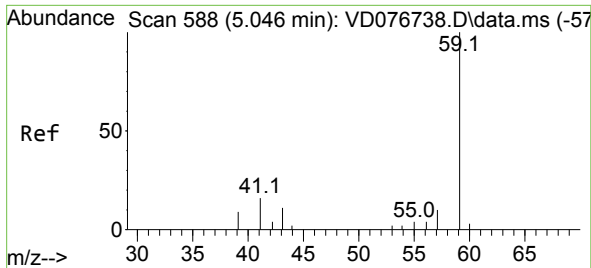
Tgt Ion:	101	Resp:	4530
Ion	Ratio	Lower	Upper
101	100		
85	36.5	33.8	50.6
151	71.1	59.8	89.6



#10
Methyl Iodide
Concen: 2.399 ug/l
RT: 4.146 min Scan# 435
Delta R.T. -0.012 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:	142	Resp:	4924
Ion	Ratio	Lower	Upper
142	100		
127	14.4	29.4	44.0#
141	1.5	11.1	16.7#





#11

Tert butyl alcohol

Concen: 11.286 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.017 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

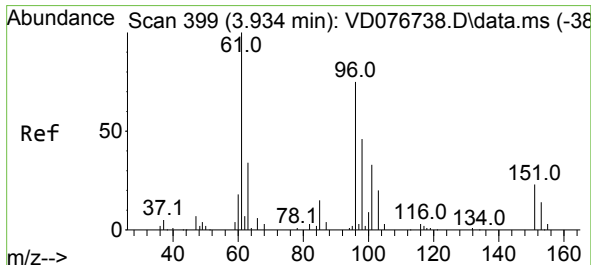
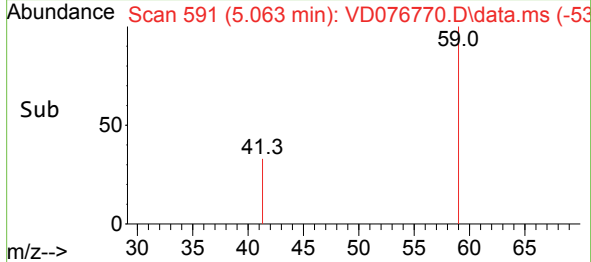
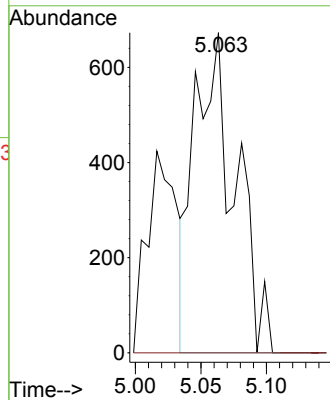
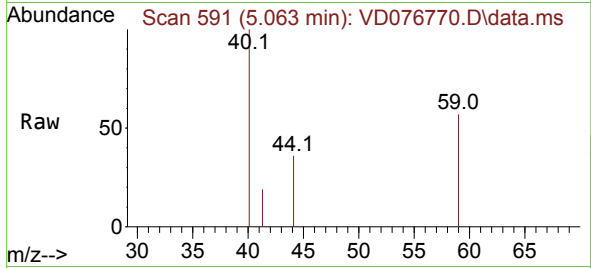
MDL-SOIL-03-QT3-2023

Tgt Ion: 59 Resp: 1452

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 2.506 ug/l

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

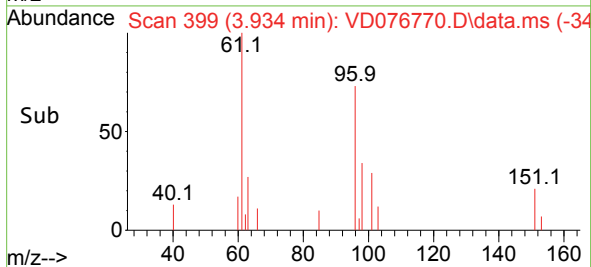
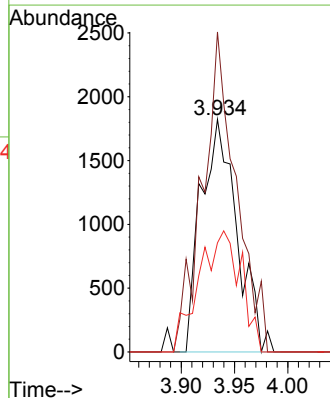
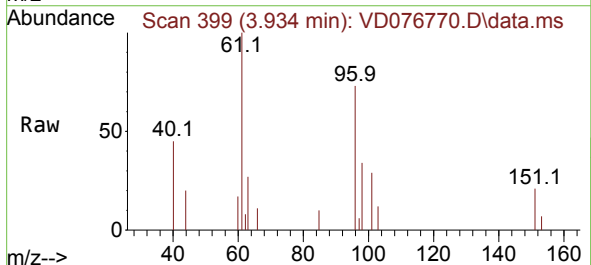
Tgt Ion: 96 Resp: 4287

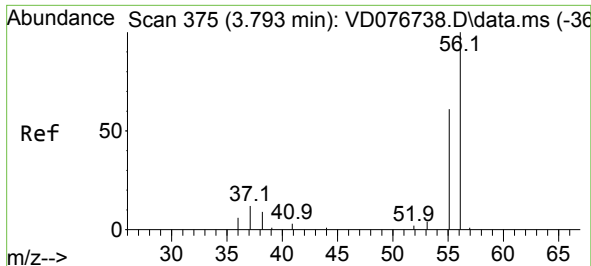
Ion Ratio Lower Upper

96 100

61 137.6 100.6 150.8

98 47.0 50.2 75.2#

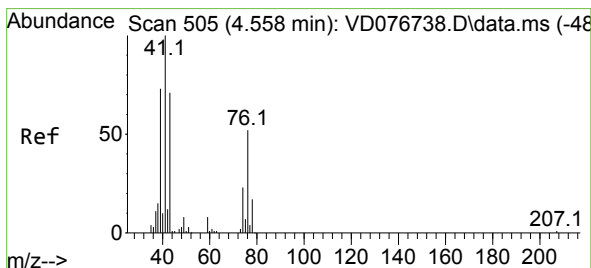
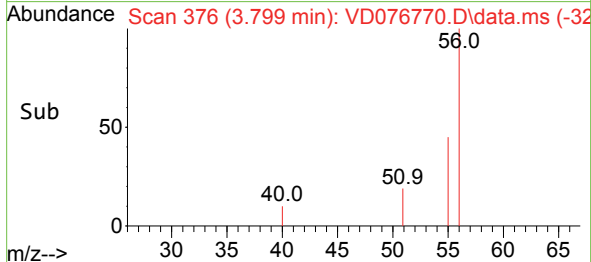
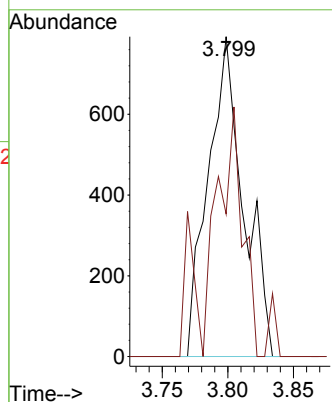
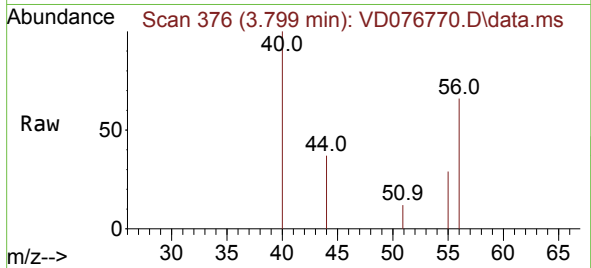




#13
Acrolein
Concen: 17.018 ug/l
RT: 3.799 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

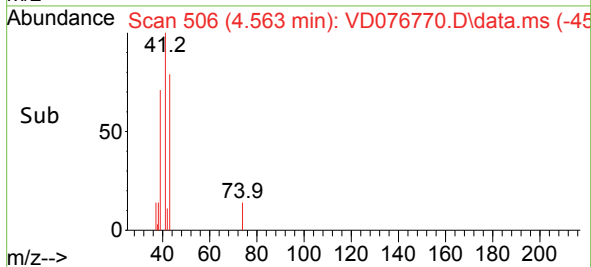
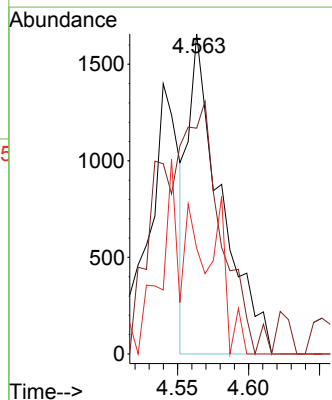
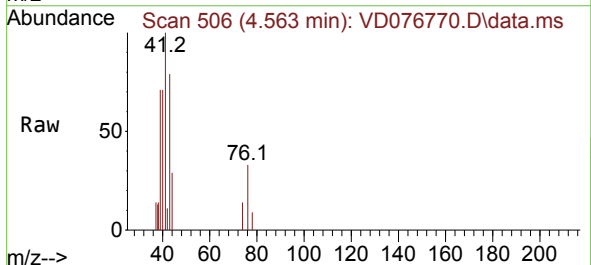
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

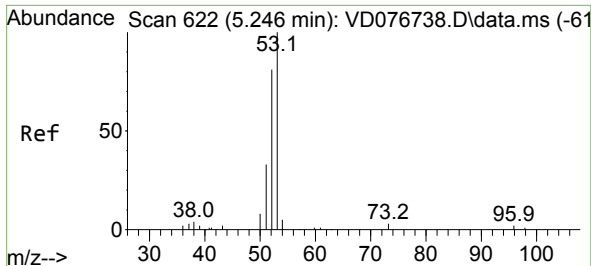
Tgt Ion: 56 Resp: 1492
Ion Ratio Lower Upper
56 100
55 55.2 55.1 82.7



#14
Allyl chloride
Concen: 1.179 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.005 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 41 Resp: 2648
Ion Ratio Lower Upper
41 100
39 144.9 53.8 80.6#
76 0.0 45.8 68.8#

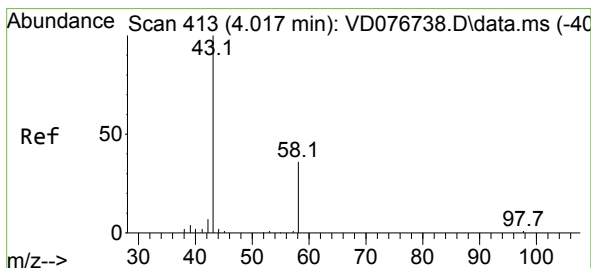
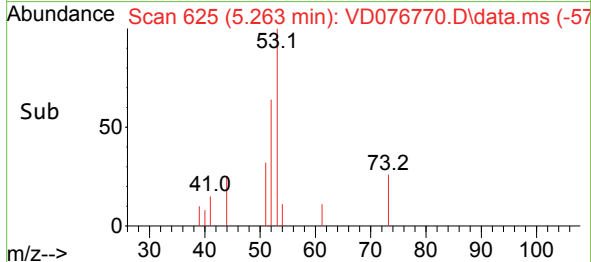
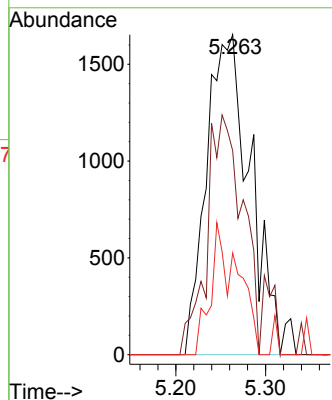
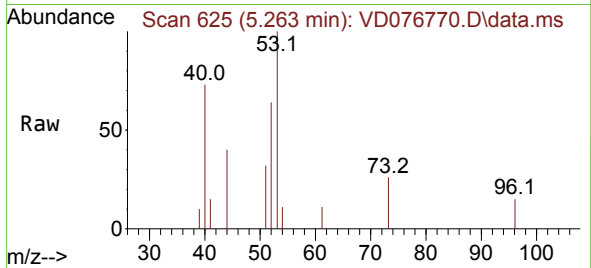




#15
Acrylonitrile
Concen: 11.878 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.017 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

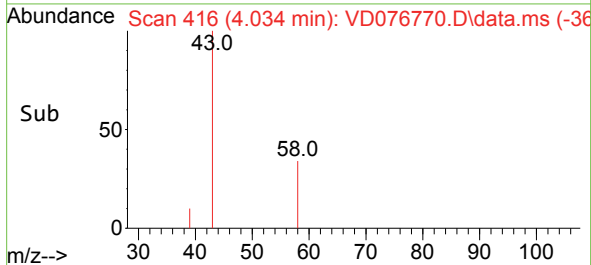
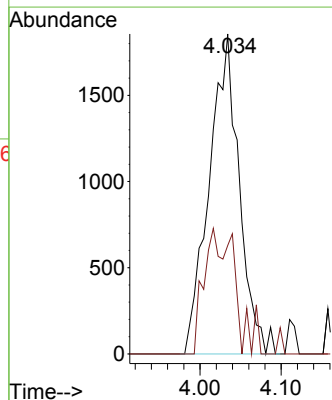
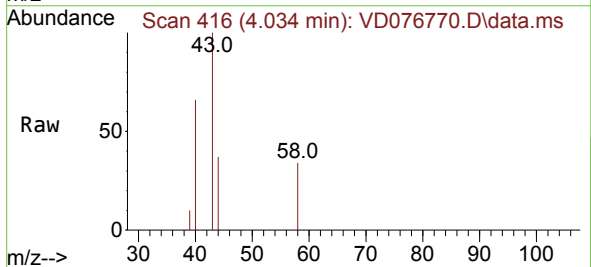
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

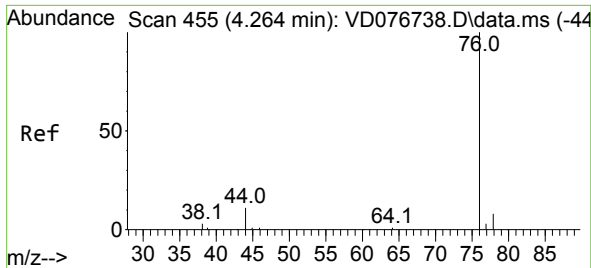
Tgt Ion: 53 Resp: 5563
Ion Ratio Lower Upper
53 100
52 61.6 65.0 97.4#
51 14.1 28.3 42.5#



#16
Acetone
Concen: 11.609 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 43 Resp: 4780
Ion Ratio Lower Upper
43 100
58 33.9 34.7 52.1#

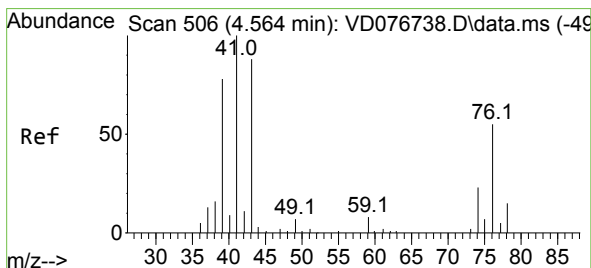
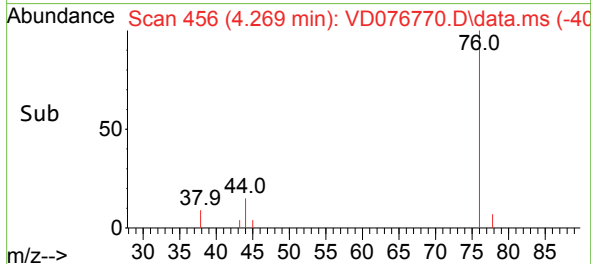
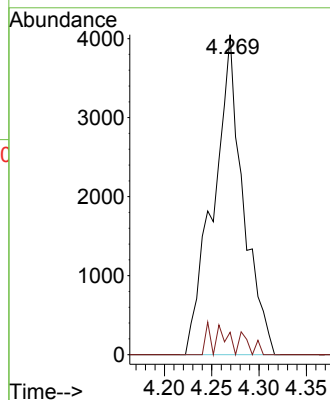
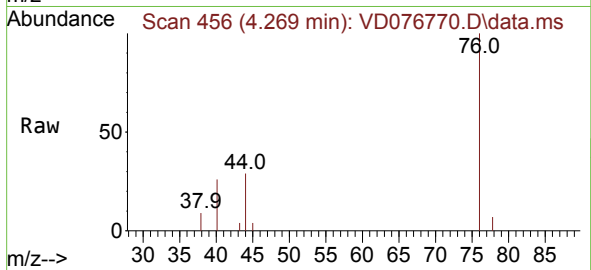




#17
Carbon Disulfide
Concen: 2.210 ug/l
RT: 4.269 min Scan# 417
Delta R.T. 0.005 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

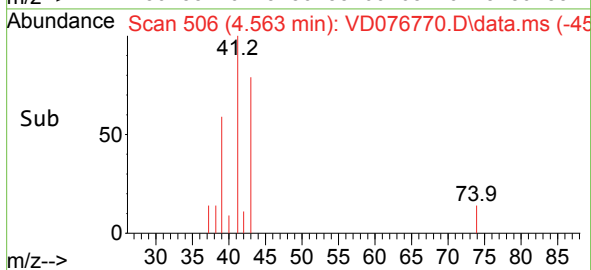
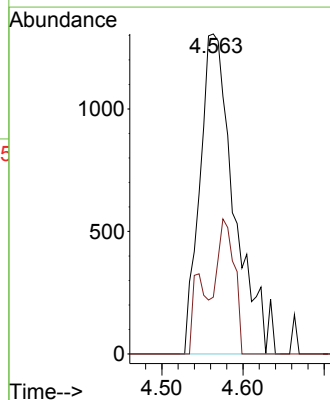
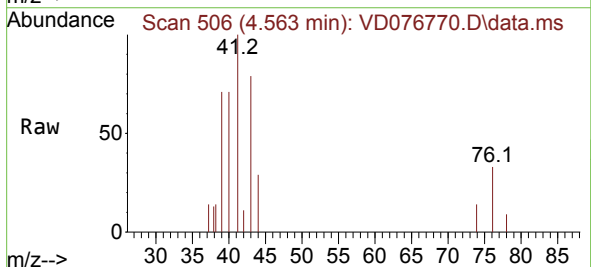
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

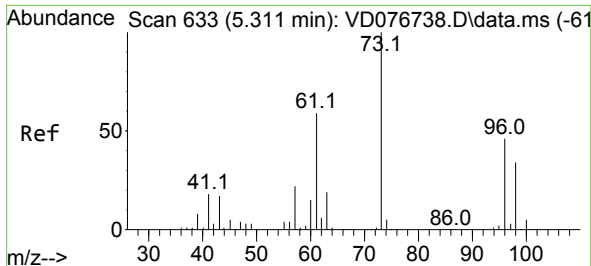
Tgt Ion: 76 Resp: 8830
Ion Ratio Lower Upper
76 100
78 7.0 6.8 10.2



#18
Methyl Acetate
Concen: 2.494 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.001 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 22.0 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 2.009 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.005 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

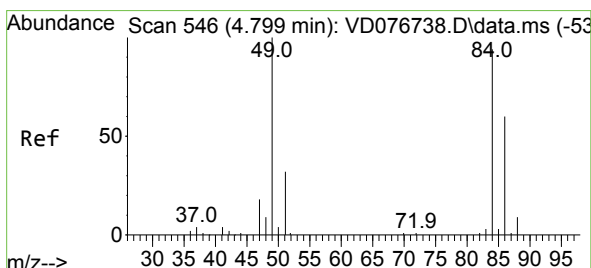
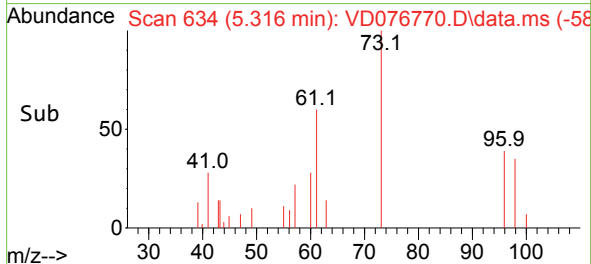
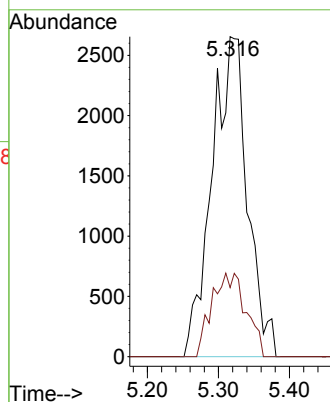
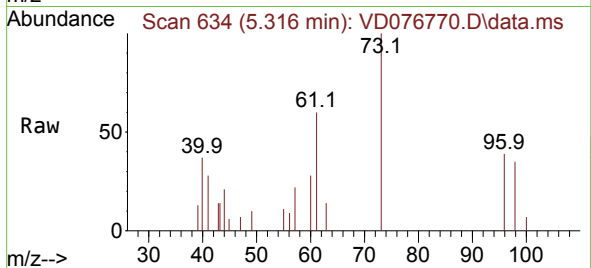
MDL-SOIL-03-QT3-2023

Tgt Ion: 73 Resp: 9215

Ion Ratio Lower Upper

73 100

57 21.6 16.6 25.0



#20

Methylene Chloride

Concen: 4.521 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Tgt Ion: 84 Resp: 15397

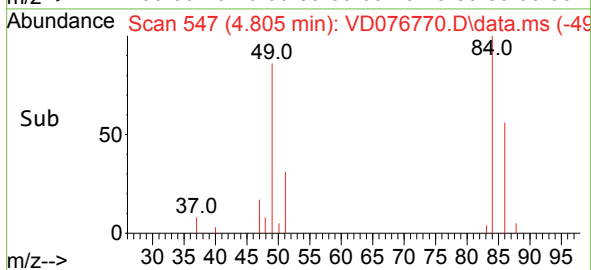
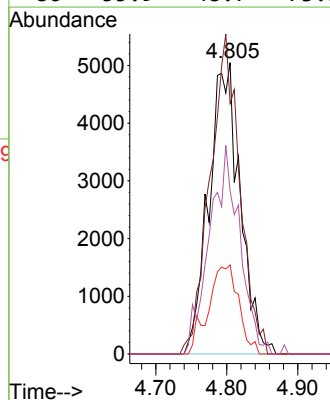
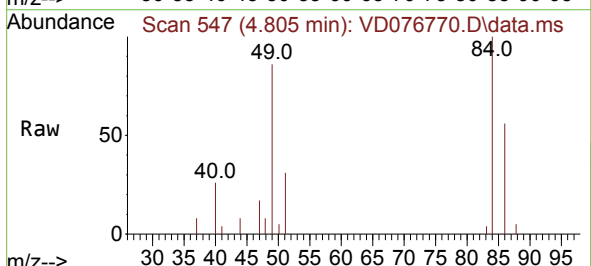
Ion Ratio Lower Upper

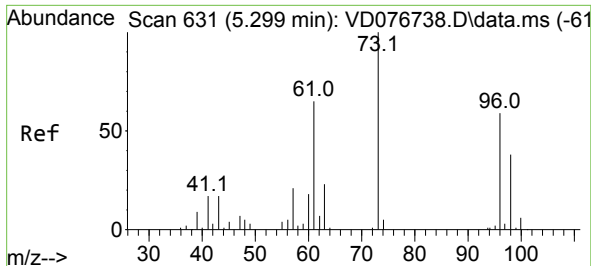
84 100

49 86.0 71.4 107.2

51 30.6 24.5 36.7

86 55.9 48.7 73.1

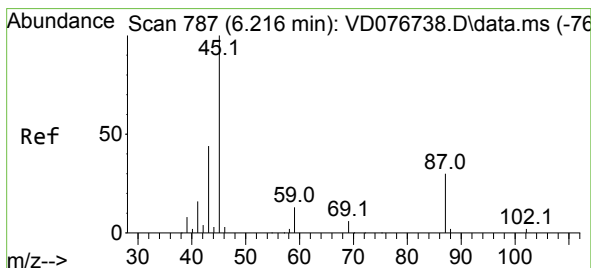
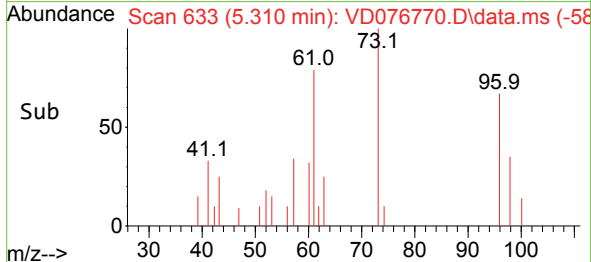
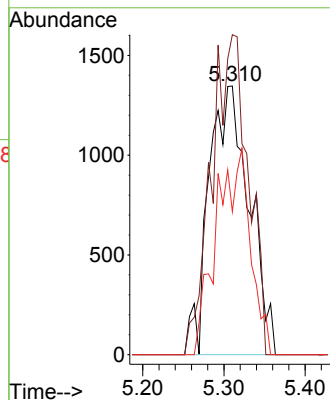
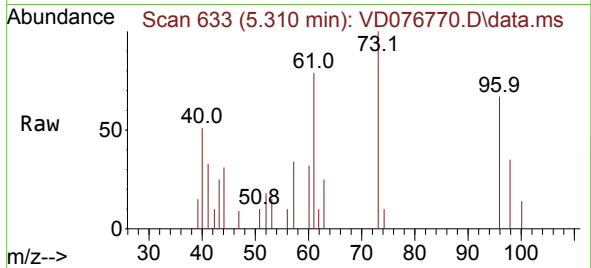




#21
trans-1,2-Dichloroethene
Concen: 2.350 ug/l
RT: 5.310 min Scan# 611
Delta R.T. 0.011 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

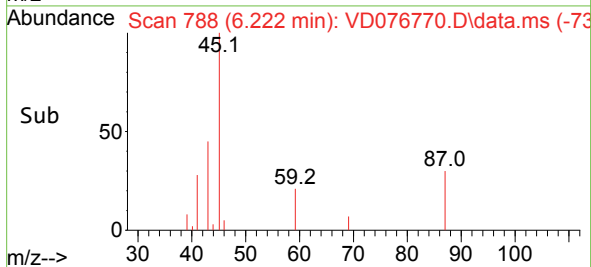
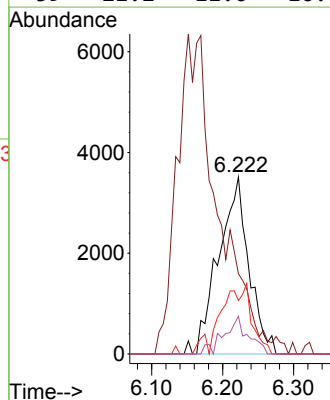
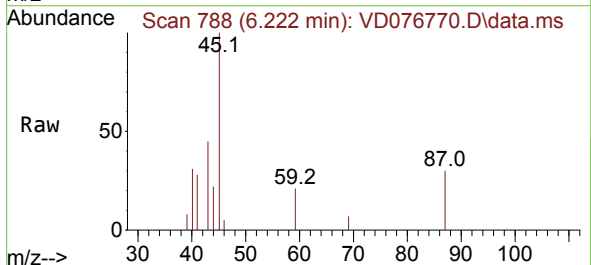
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

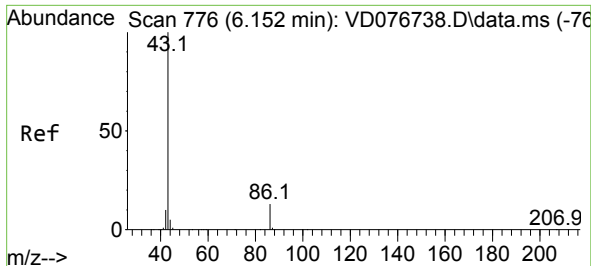
Tgt Ion: 96	Resp: 4672
Ion Ratio	Lower Upper
96 100	
61 119.1	89.3 133.9
98 53.2	48.6 73.0



#22
Diisopropyl ether
Concen: 1.949 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 45	Resp: 10372
Ion Ratio	Lower Upper
45 100	
43 38.8	40.0 60.0#
87 30.2	28.2 42.4
59 21.2	11.0 16.4#

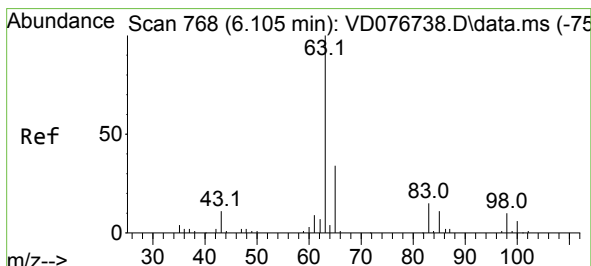
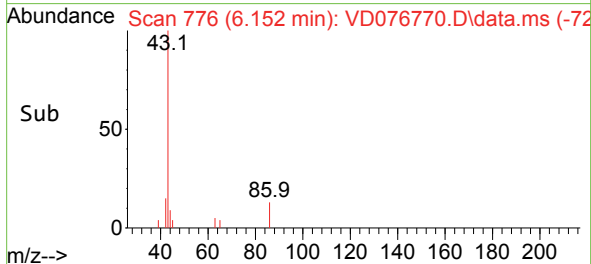
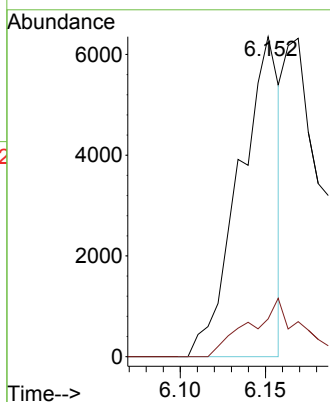
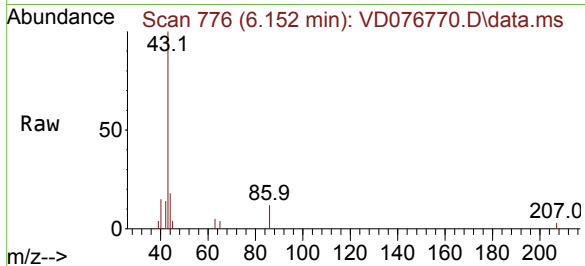




#23
 Vinyl Acetate
 Concen: 3.952 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

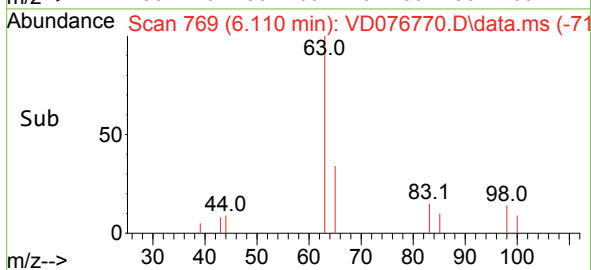
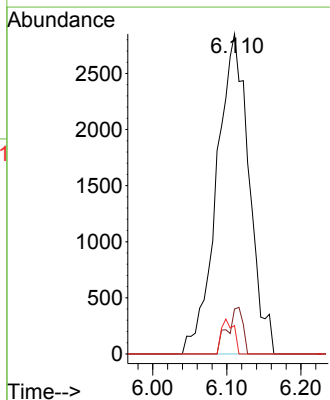
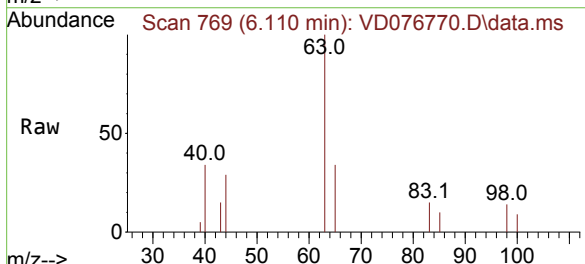
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

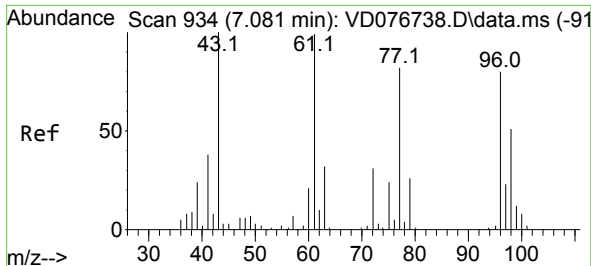
Tgt Ion: 43 Resp: 10405
 Ion Ratio Lower Upper
 43 100
 86 11.8 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 2.406 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

Tgt Ion: 63 Resp: 8632
 Ion Ratio Lower Upper
 63 100
 98 14.1 4.5 13.7#
 100 8.8 2.5 7.5#





#25

2-Butanone

Concen: 13.166 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

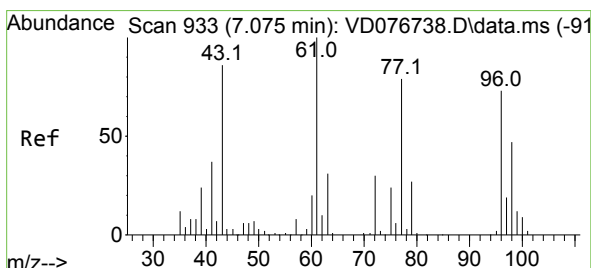
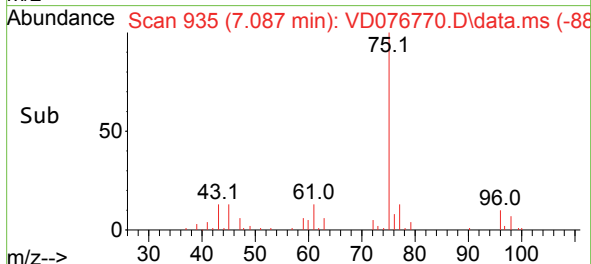
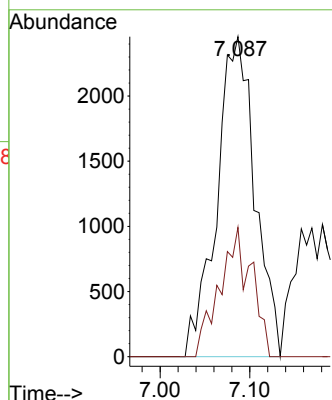
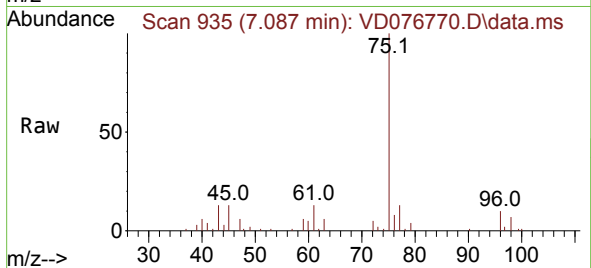
MDL-SOIL-03-QT3-2023

Tgt Ion: 43 Resp: 7255

Ion Ratio Lower Upper

43 100

72 40.4 30.7 46.1



#26

2,2-Dichloropropane

Concen: 3.270 ug/l

RT: 7.063 min Scan# 931

Delta R.T. -0.012 min

Lab File: VD076770.D

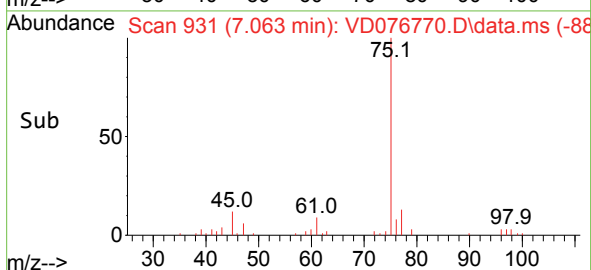
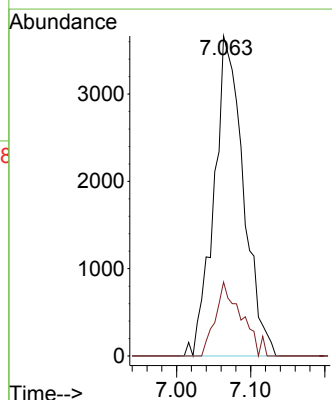
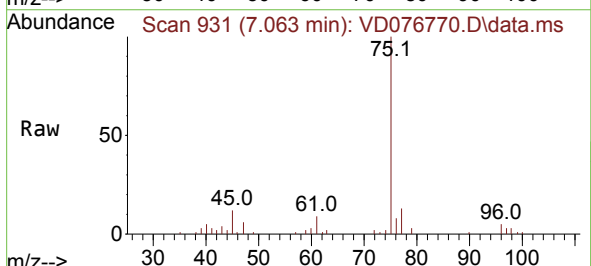
Acq: 18 Jul 2023 11:32

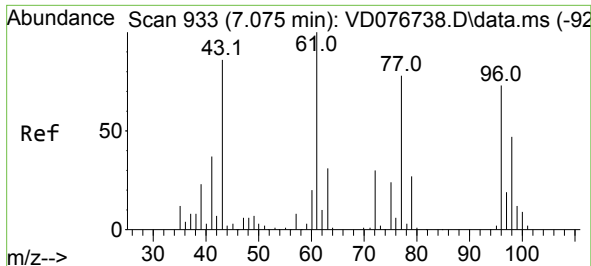
Tgt Ion: 77 Resp: 10112

Ion Ratio Lower Upper

77 100

97 20.4 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 2.336 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

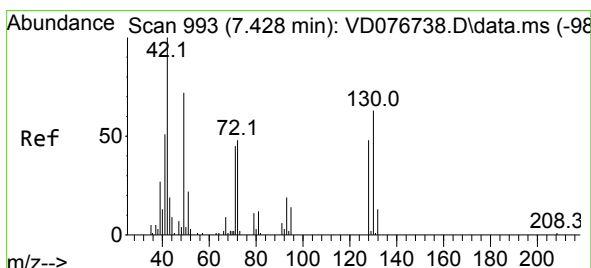
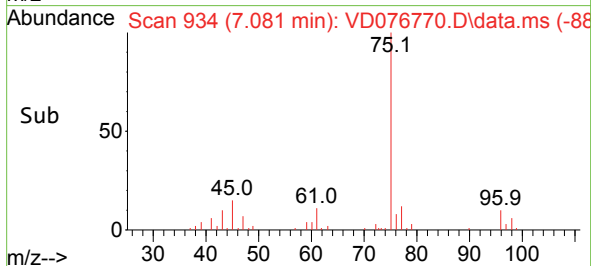
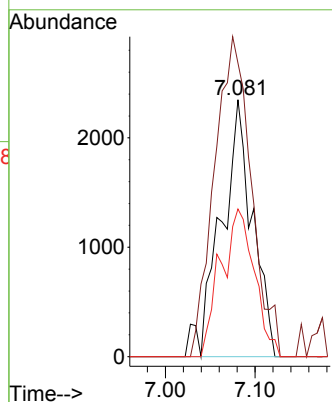
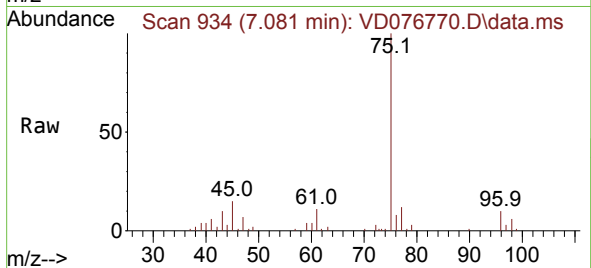
Tgt Ion: 96 Resp: 5726

Ion Ratio Lower Upper

96 100

61 145.3 0.0 239.2

98 61.3 0.0 128.6



#28

Bromochloromethane

Concen: 2.599 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

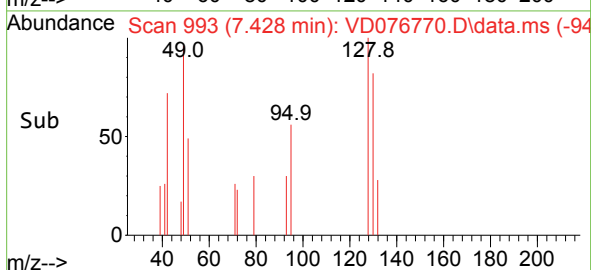
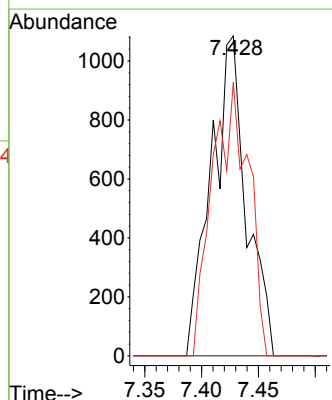
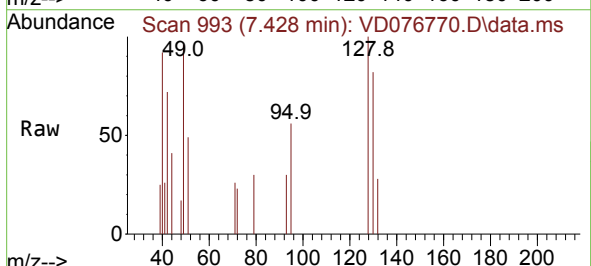
Tgt Ion: 49 Resp: 2331

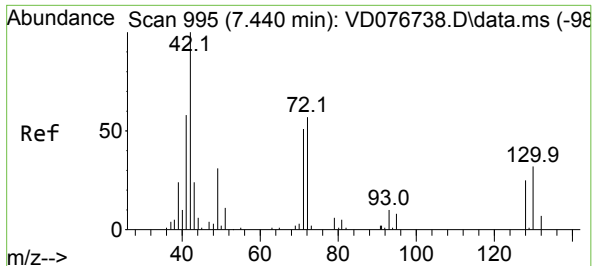
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 42.4 83.2 124.8#





#29

Tetrahydrofuran

Concen: 11.705 ug/l

RT: 7.451 min Scan# 995

Delta R.T. 0.011 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

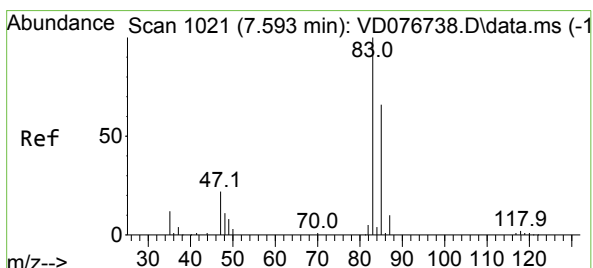
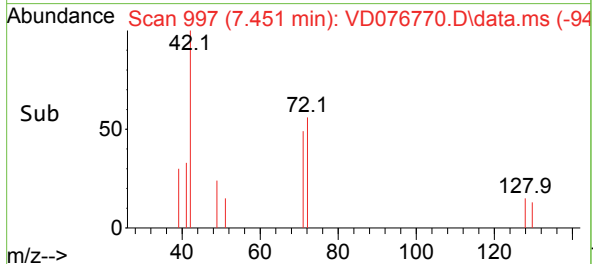
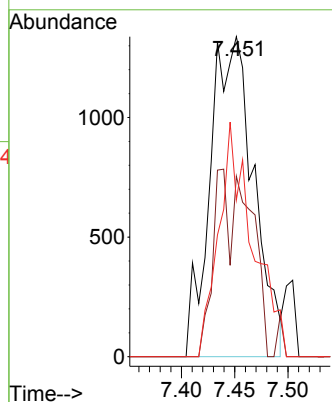
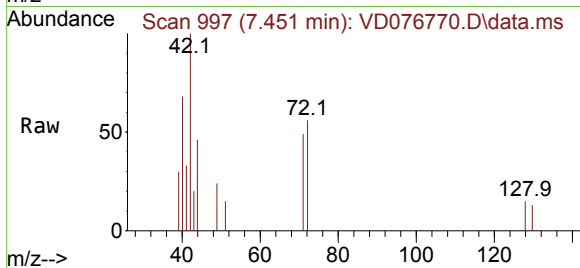
Tgt Ion: 42 Resp: 3811

Ion Ratio Lower Upper

42 100

72 22.1 46.5 69.7#

71 56.5 44.5 66.7



#30

Chloroform

Concen: 2.417 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076770.D

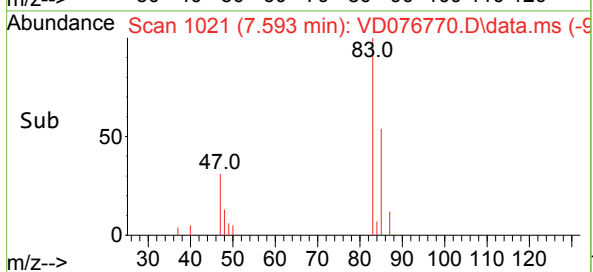
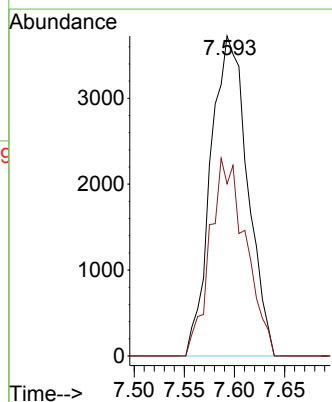
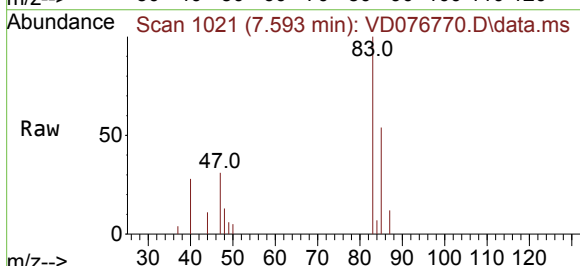
Acq: 18 Jul 2023 11:32

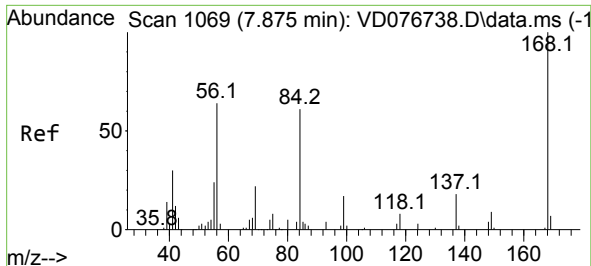
Tgt Ion: 83 Resp: 9498

Ion Ratio Lower Upper

83 100

85 53.8 53.4 80.2

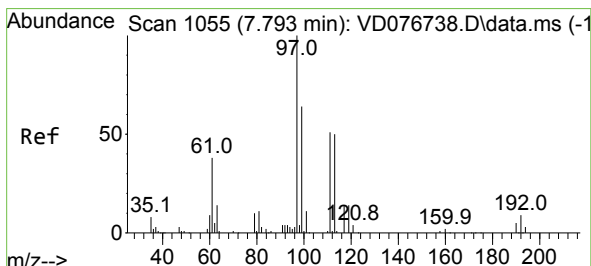
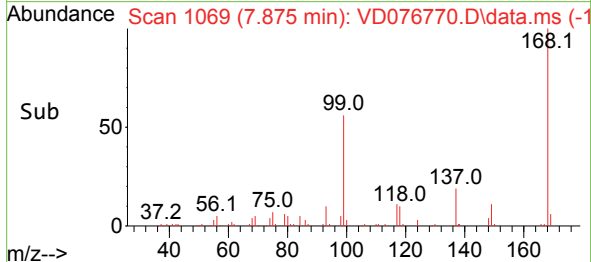
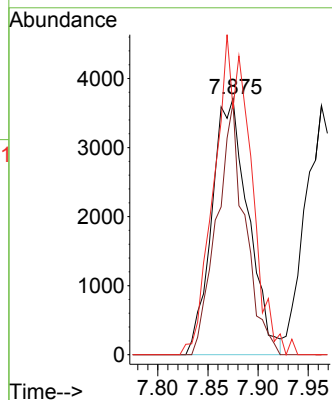
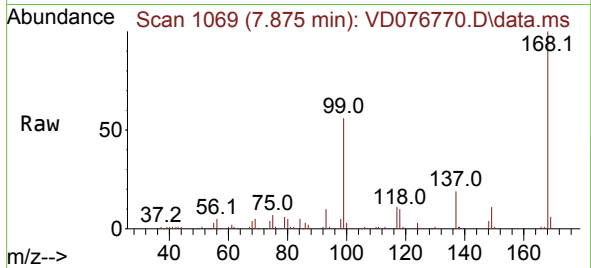




#31
Cyclohexane
Concen: 3.700 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

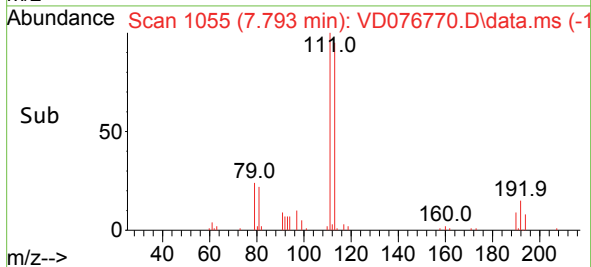
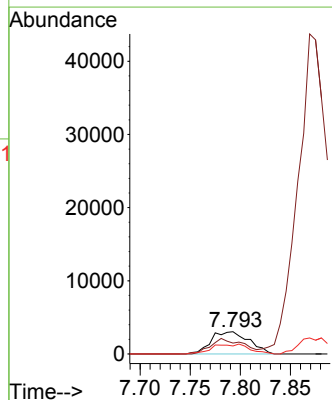
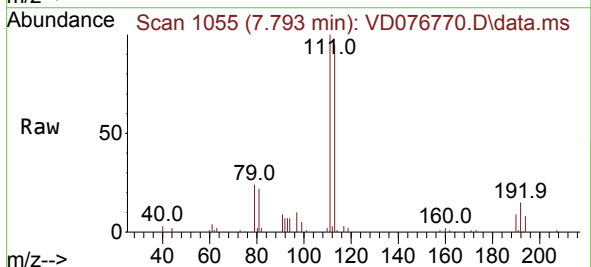
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

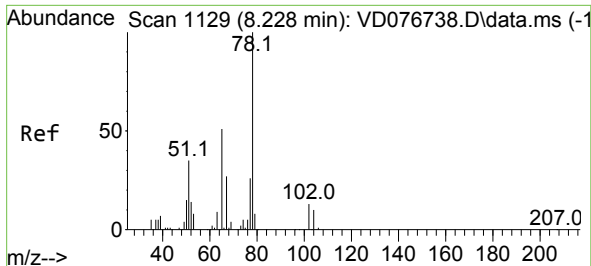
Tgt Ion: 56 Resp: 9389
Ion Ratio Lower Upper
56 100
69 98.1 28.6 43.0#
84 96.0 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 2.528 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 97 Resp: 8015
Ion Ratio Lower Upper
97 100
99 58.1 52.0 78.0
61 42.6 33.8 50.8

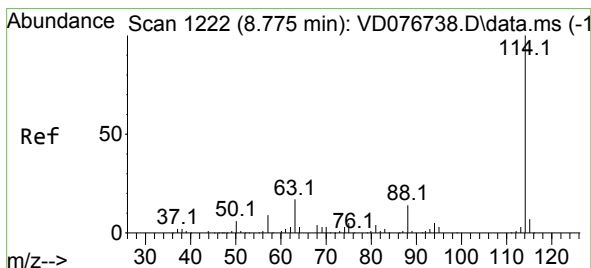
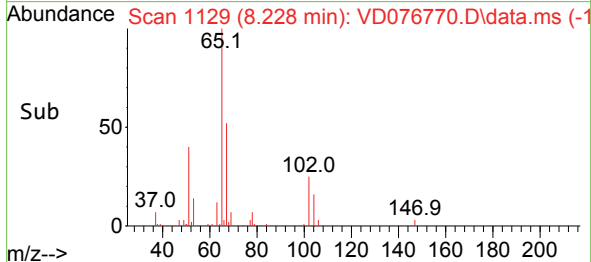
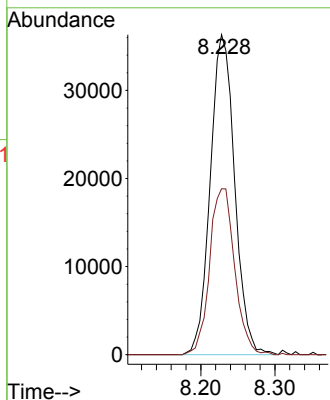
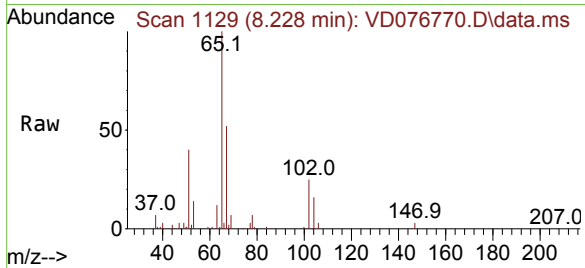




#33
1,2-Dichloroethane-d4
Concen: 48.319 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

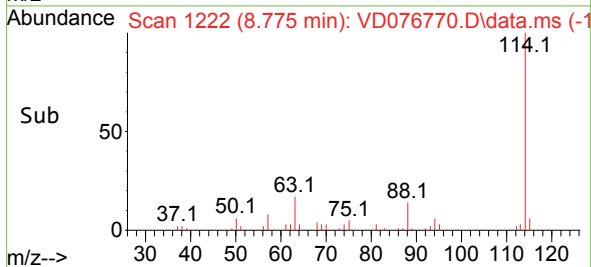
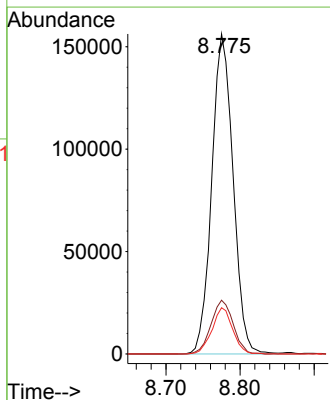
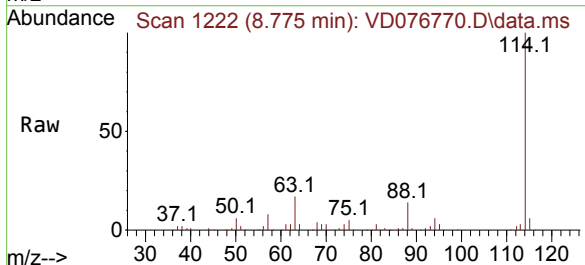
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

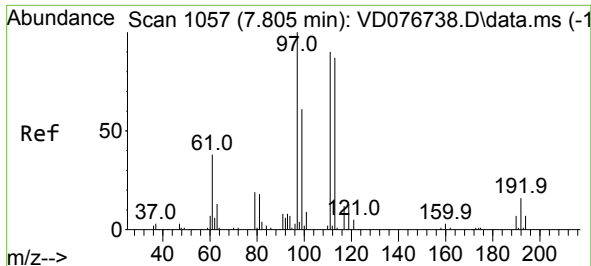
Tgt Ion: 65 Resp: 83303
Ion Ratio Lower Upper
65 100
67 53.2 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:114 Resp: 312127
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.4
88 14.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.394 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

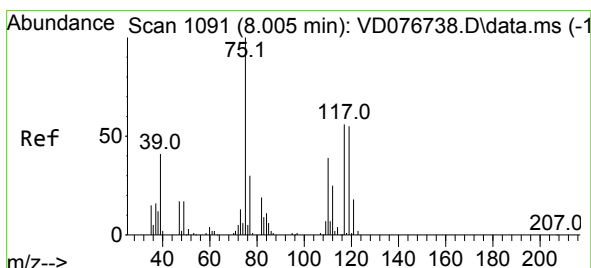
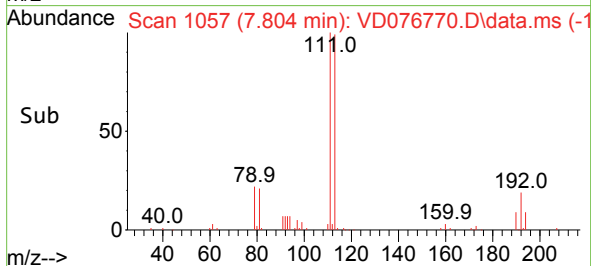
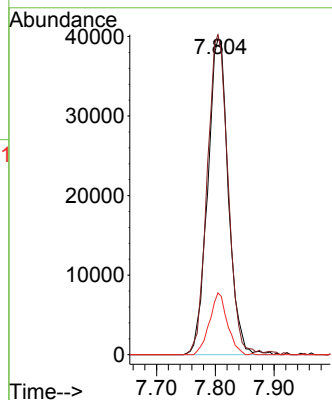
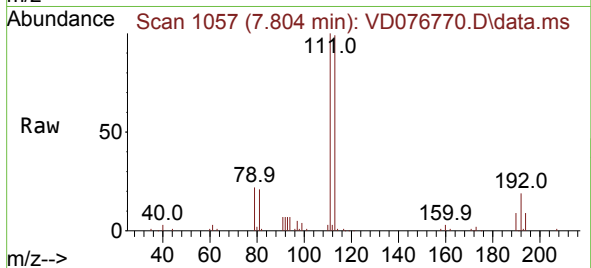
Tgt Ion:113 Resp: 96882

Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 16.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.493 ug/l

RT: 8.004 min Scan# 1091

Delta R.T. -0.001 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

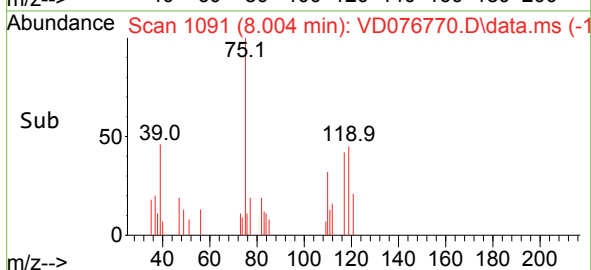
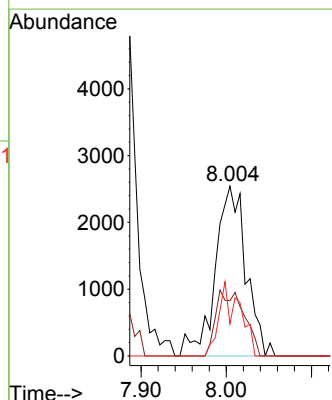
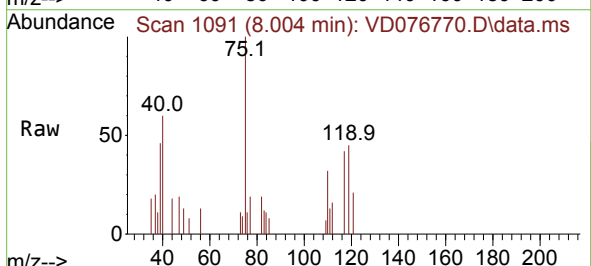
Tgt Ion: 75 Resp: 6390

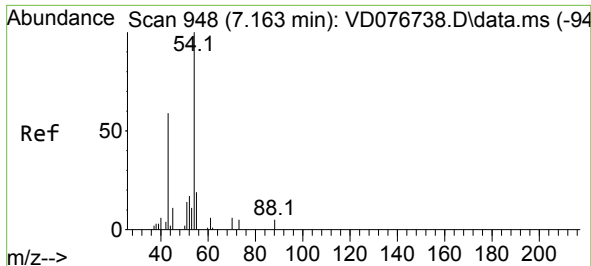
Ion Ratio Lower Upper

75 100

110 35.2 19.9 59.6

77 29.2 24.7 37.1





#37

Ethyl Acetate

Concen: 1.599 ug/l

RT: 7.169 min Scan# 948

Delta R.T. 0.006 min

Lab File: VD076770.D

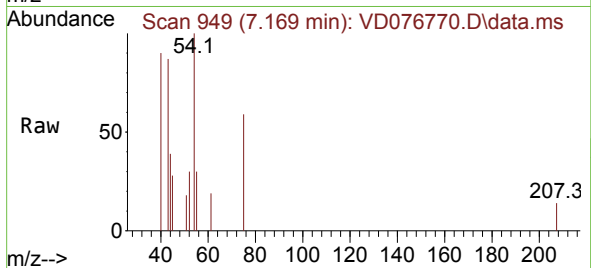
Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



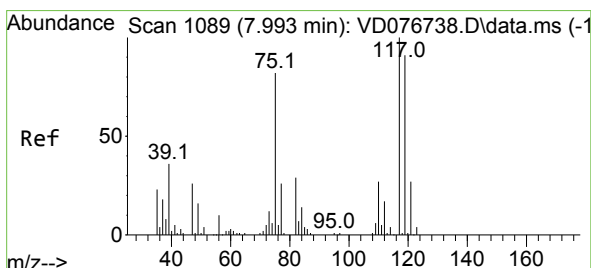
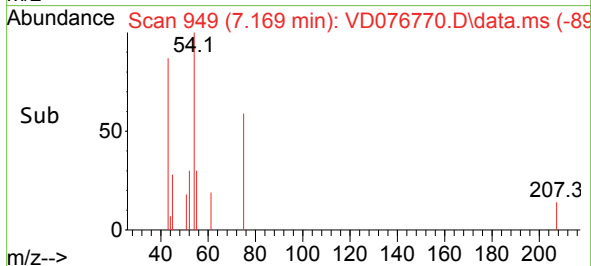
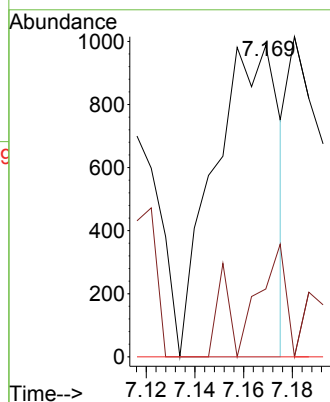
Tgt Ion: 43 Resp: 1833

Ion Ratio Lower Upper

43 100

61 14.7 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 2.169 ug/l

RT: 7.998 min Scan# 1090

Delta R.T. 0.005 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

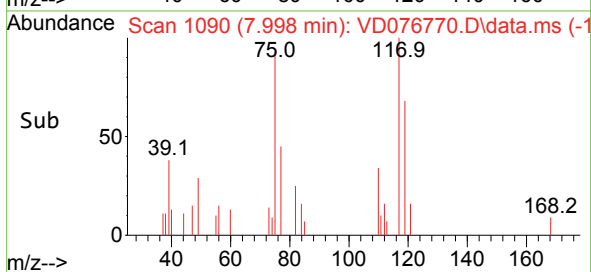
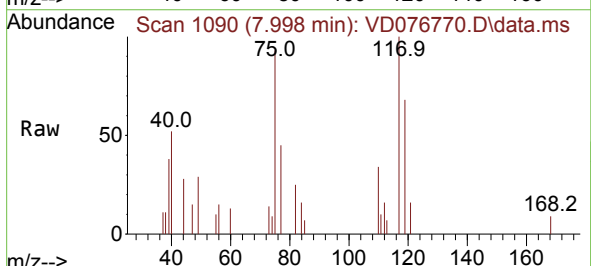
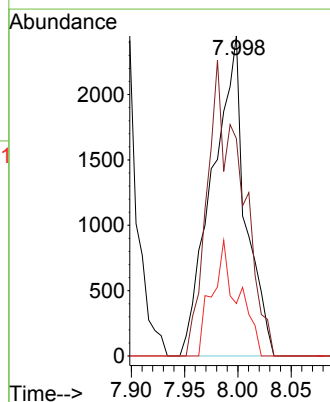
Tgt Ion: 117 Resp: 5324

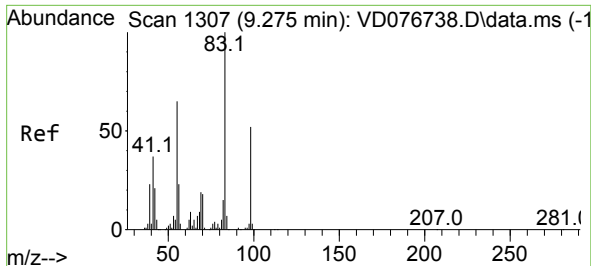
Ion Ratio Lower Upper

117 100

119 67.9 78.0 117.0#

121 16.4 24.2 36.2#





#39

Methylcyclohexane

Concen: 2.221 ug/l

RT: 9.263 min Scan# 1130

Delta R.T. -0.012 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

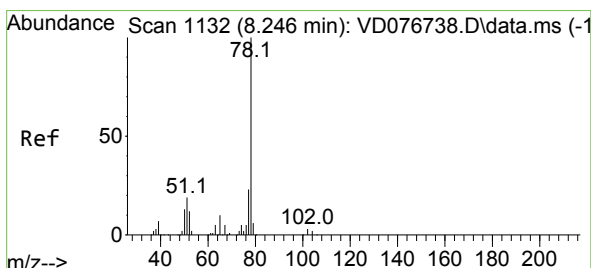
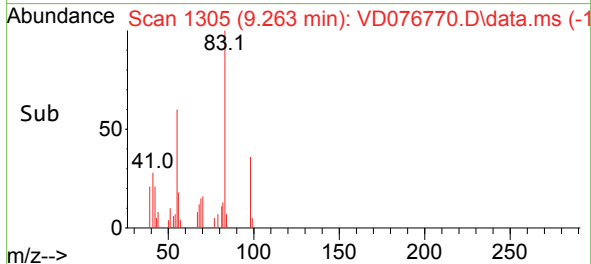
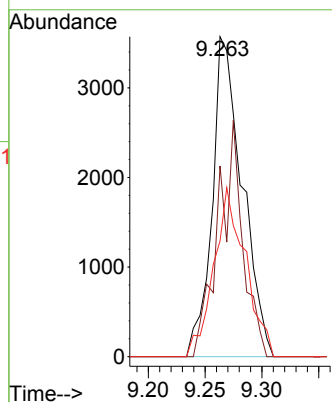
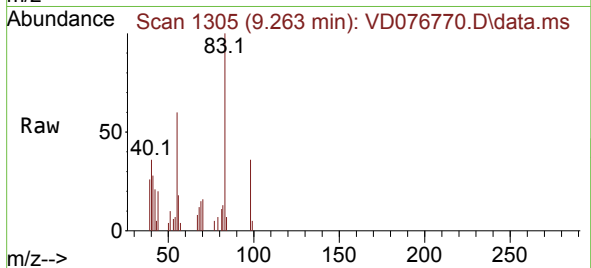
Tgt Ion: 83 Resp: 6572

Ion Ratio Lower Upper

83 100

55 59.6 49.4 74.0

98 36.2 38.4 57.6#



#40

Benzene

Concen: 2.277 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.005 min

Lab File: VD076770.D

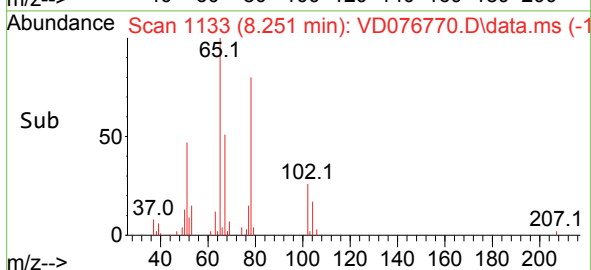
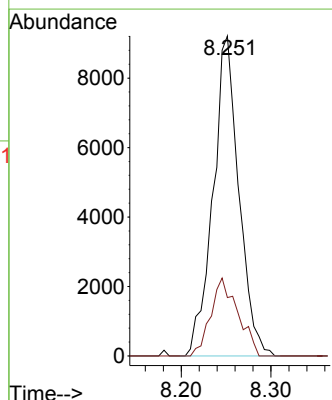
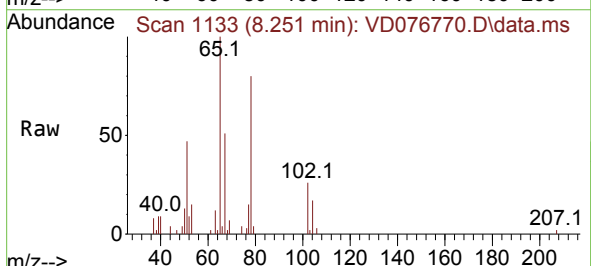
Acq: 18 Jul 2023 11:32

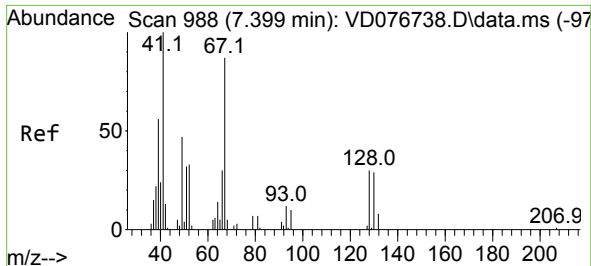
Tgt Ion: 78 Resp: 18411

Ion Ratio Lower Upper

78 100

77 18.3 19.4 29.0#

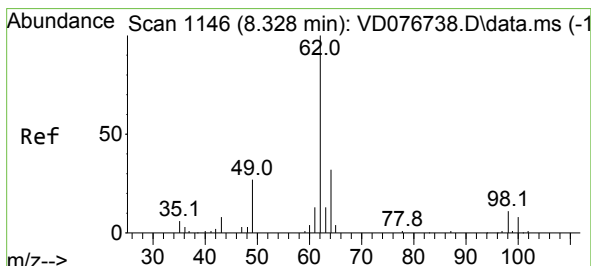
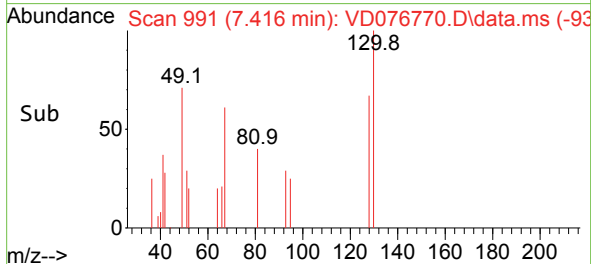
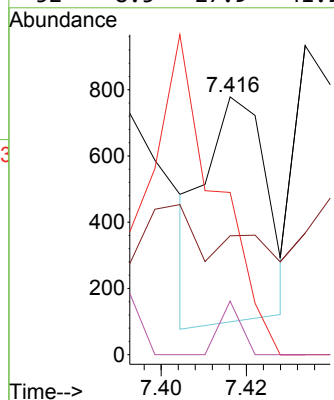
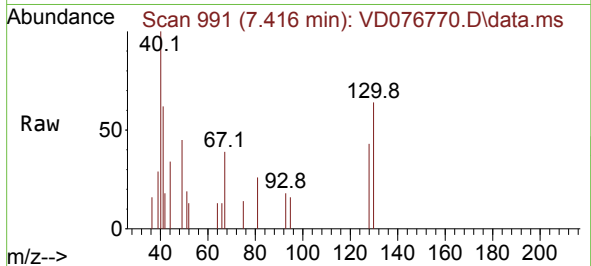




#41
Methacrylonitrile
Concen: 0.963 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.017 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

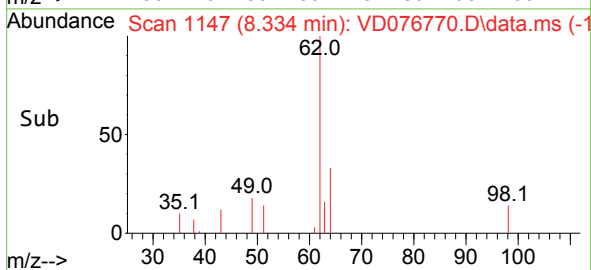
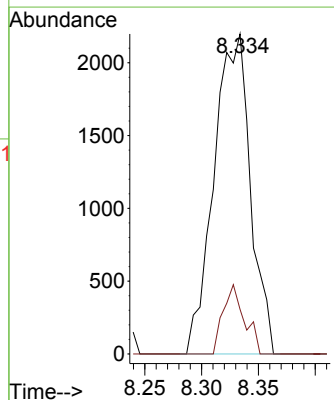
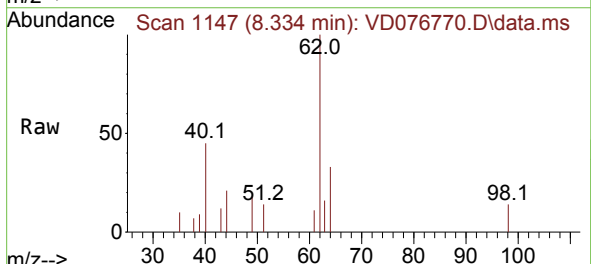
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

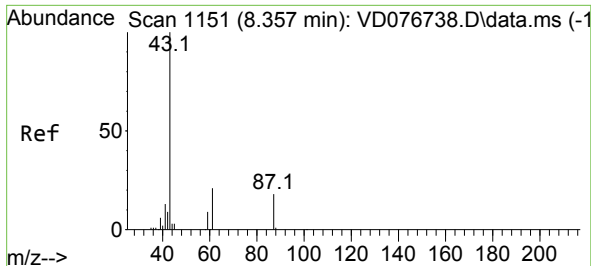
Tgt Ion: 41 Resp: 674
Ion Ratio Lower Upper
41 100
39 129.8 34.0 51.0#
67 188.6 77.0 115.4#
52 8.5 27.9 41.9#



#42
1,2-Dichloroethane
Concen: 2.327 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 62 Resp: 4889
Ion Ratio Lower Upper
62 100
98 12.7 0.0 25.4

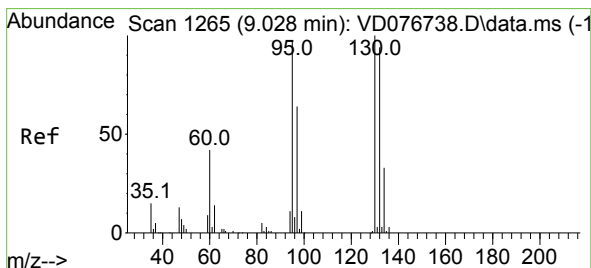
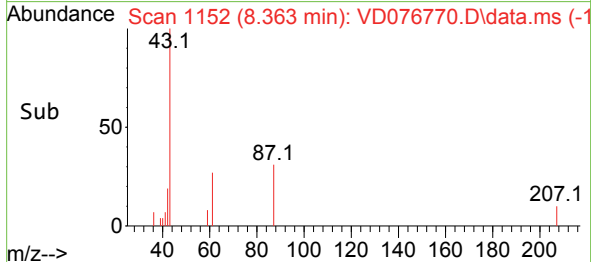
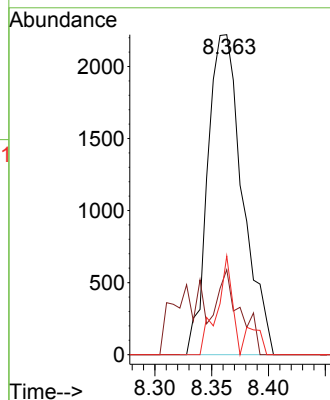
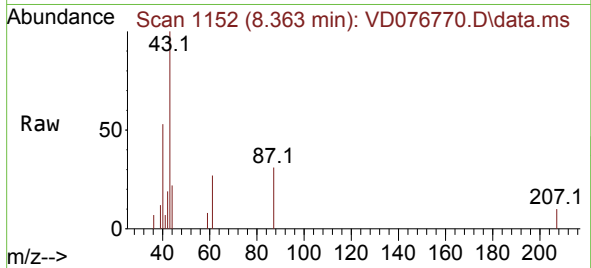




#43
Isopropyl Acetate
Concen: 2.112 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

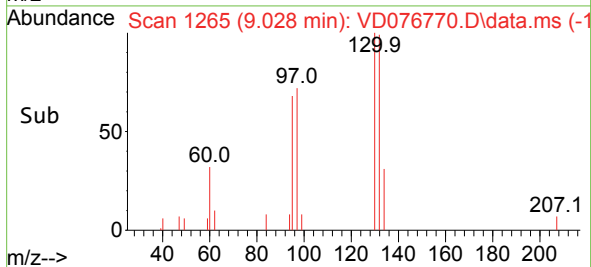
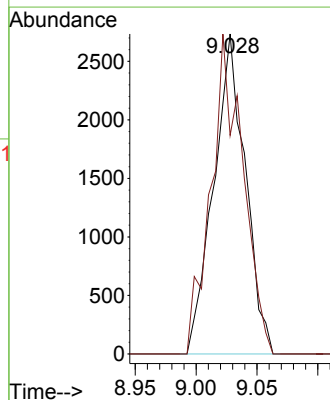
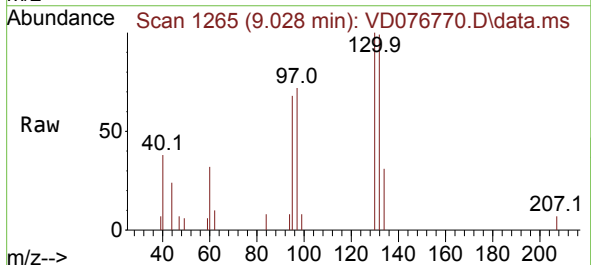
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

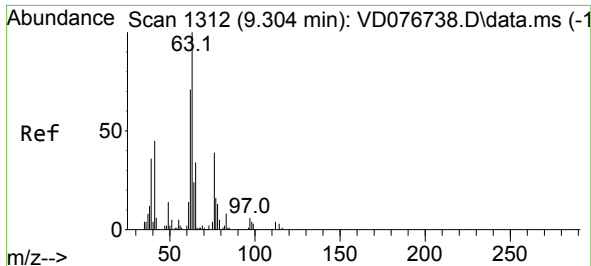
Tgt Ion: 43 Resp: 4725
Ion Ratio Lower Upper
43 100
61 18.2 31.4 47.0#
87 13.6 14.9 22.3#



#44
Trichloroethene
Concen: 2.242 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:130 Resp: 4940
Ion Ratio Lower Upper
130 100
95 68.3 0.0 179.2





#45

1,2-Dichloropropane

Concen: 2.377 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

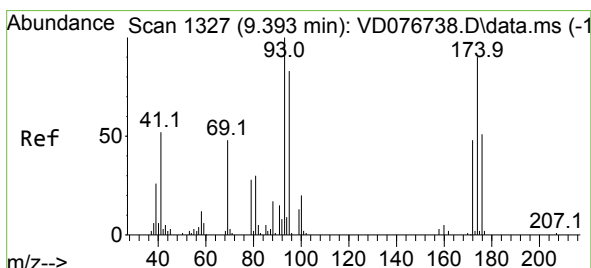
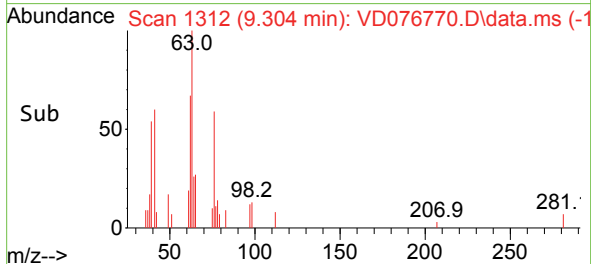
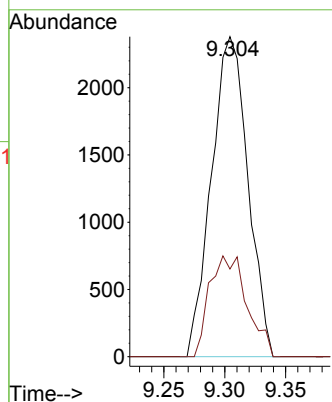
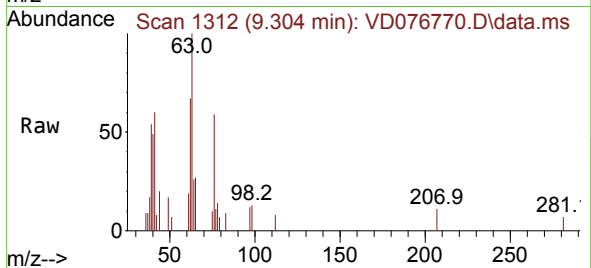
MDL-SOIL-03-QT3-2023

Tgt Ion: 63 Resp: 4963

Ion Ratio Lower Upper

63 100

65 27.4 24.5 36.7



#46

Dibromomethane

Concen: 2.565 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

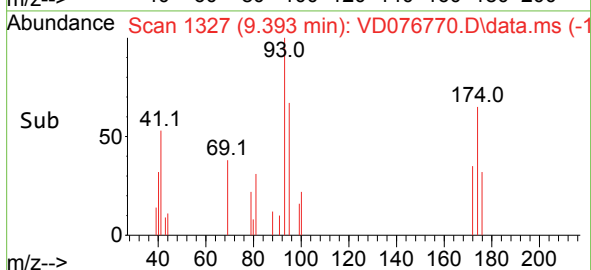
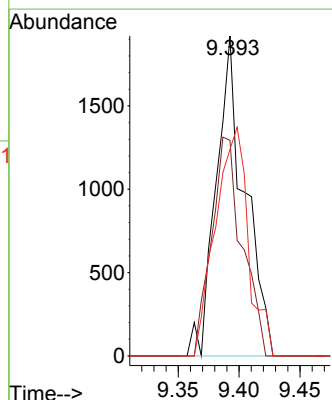
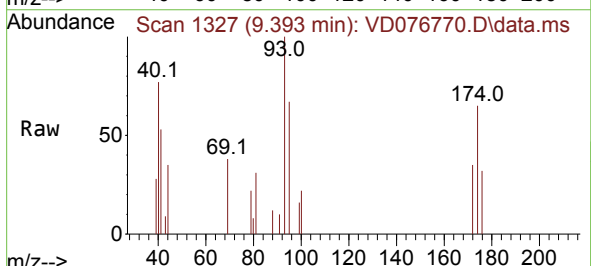
Tgt Ion: 93 Resp: 3134

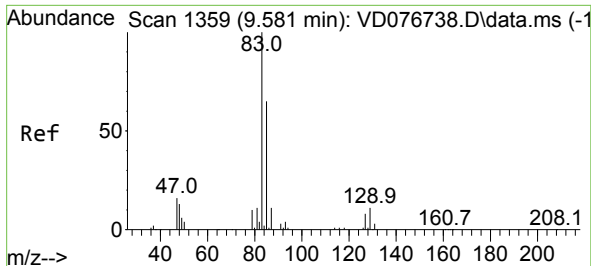
Ion Ratio Lower Upper

93 100

95 73.0 67.7 101.5

174 81.8 85.4 128.2#

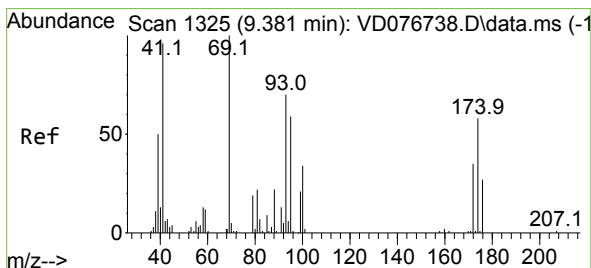
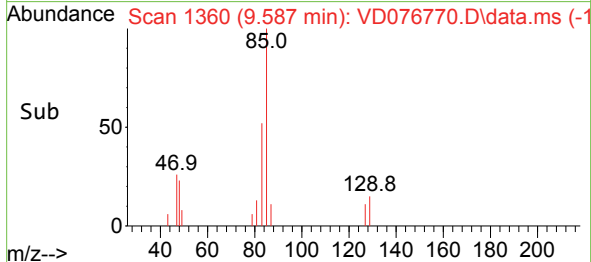
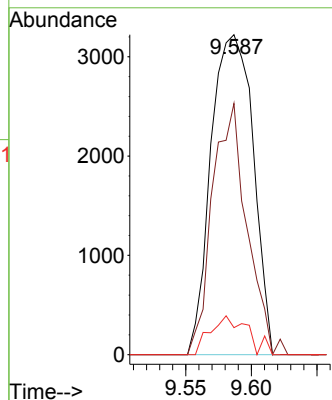
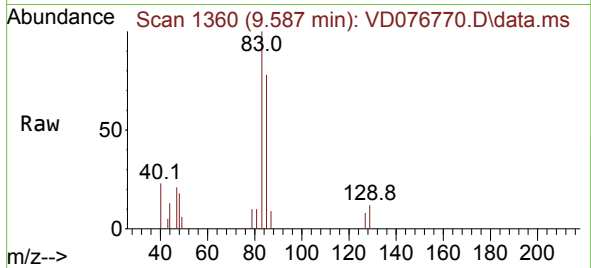




#47
Bromodichloromethane
Concen: 2.352 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

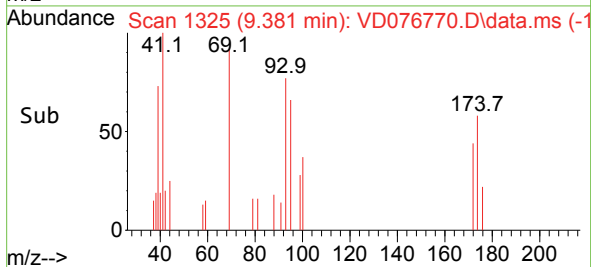
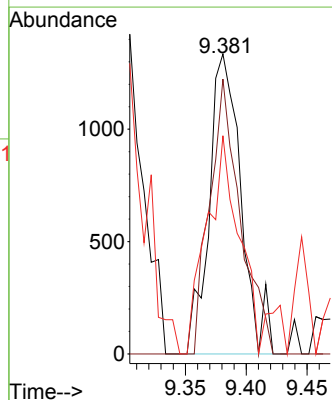
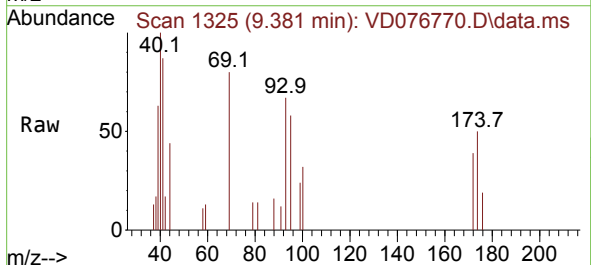
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

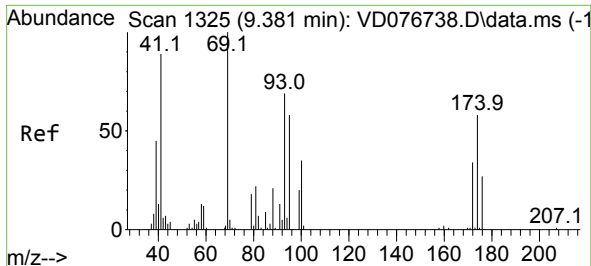
Tgt Ion: 83 Resp: 7213
Ion Ratio Lower Upper
83 100
85 78.5 50.2 75.4#
127 8.4 6.3 9.5



#48
Methyl methacrylate
Concen: 2.378 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 41 Resp: 2421
Ion Ratio Lower Upper
41 100
69 88.6 102.2 153.2#
39 73.9 41.4 62.2#





#49

1,4-Dioxane

Concen: 30.085 ug/l

RT: 9.398 min Scan# 11

Delta R.T. 0.017 min

Lab File: VD076770.D

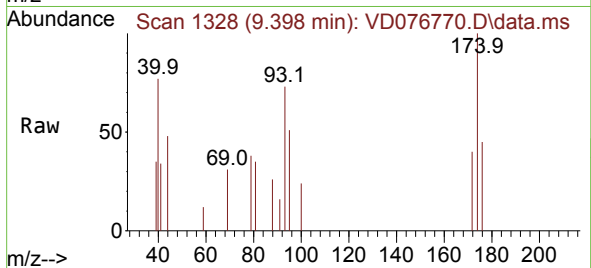
Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



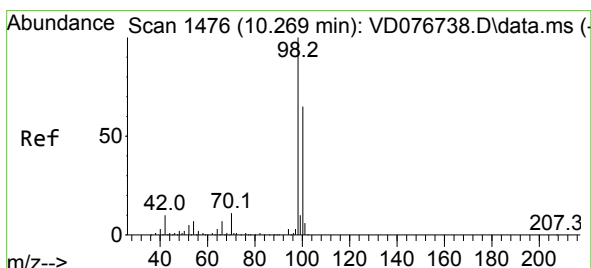
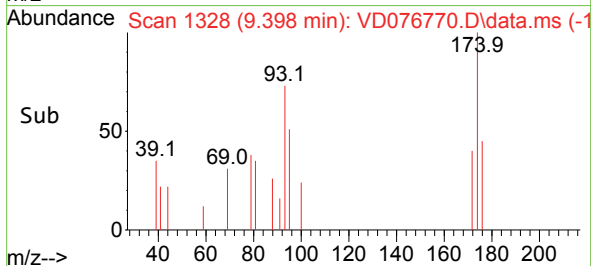
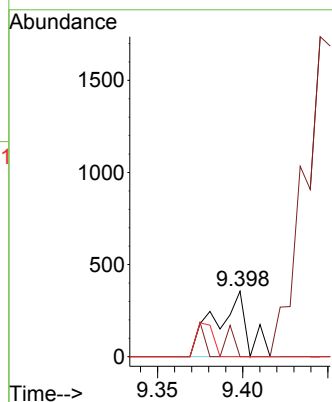
Tgt Ion: 88 Resp: 471

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 44.716 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076770.D

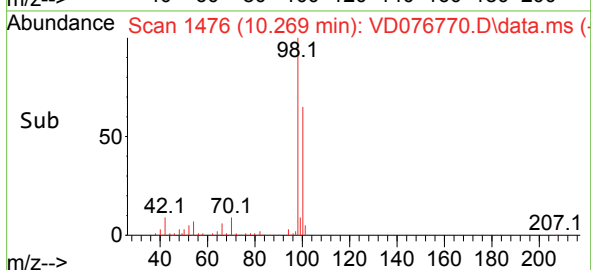
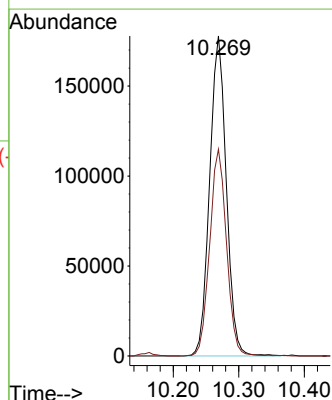
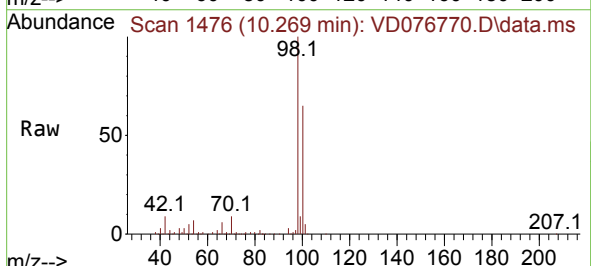
Acq: 18 Jul 2023 11:32

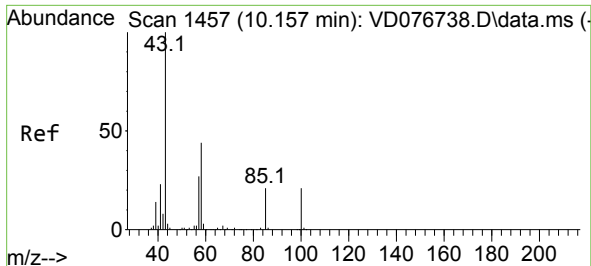
Tgt Ion: 98 Resp: 313765

Ion Ratio Lower Upper

98 100

100 65.2 50.3 75.5

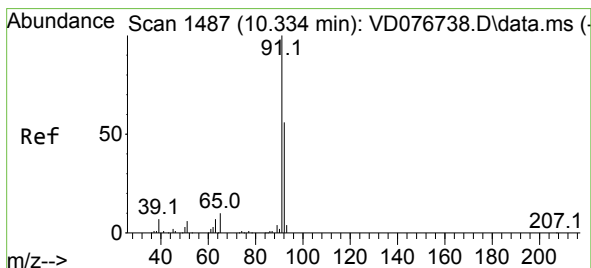
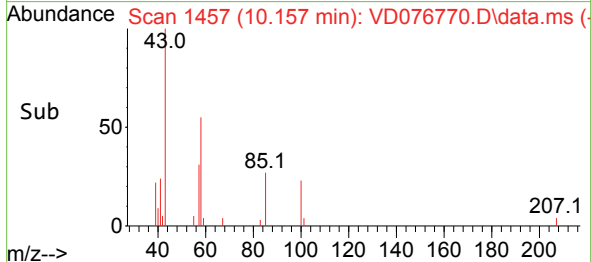
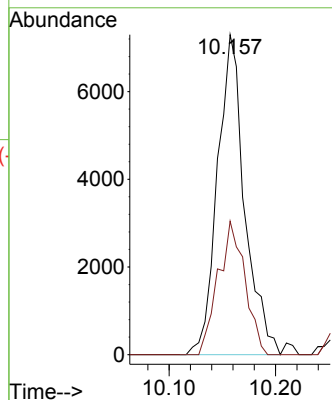
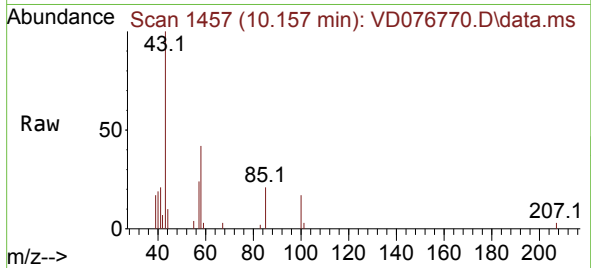




#51
4-Methyl-2-Pentanone
Concen: 10.865 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

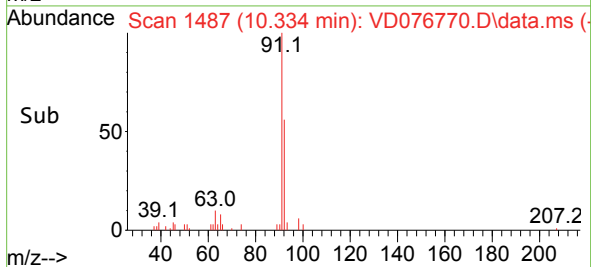
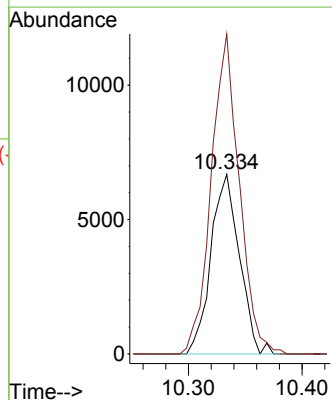
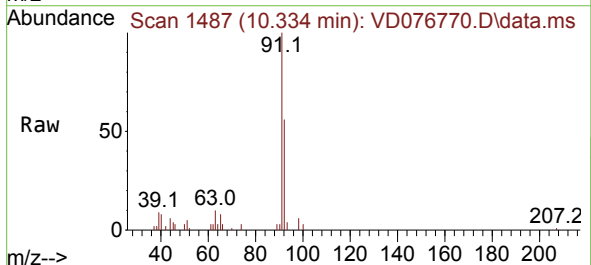
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

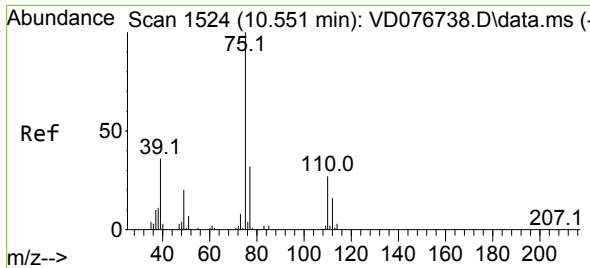
Tgt Ion: 43 Resp: 12941
Ion Ratio Lower Upper
43 100
58 41.0 38.9 58.3



#52
Toluene
Concen: 2.189 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 92 Resp: 11626
Ion Ratio Lower Upper
92 100
91 176.1 143.0 214.4

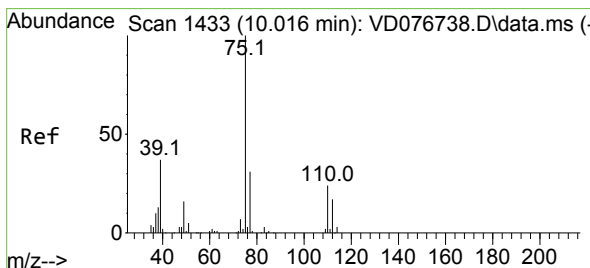
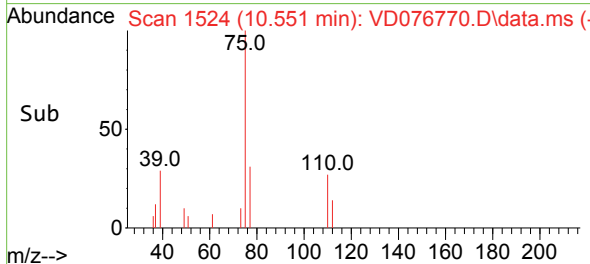
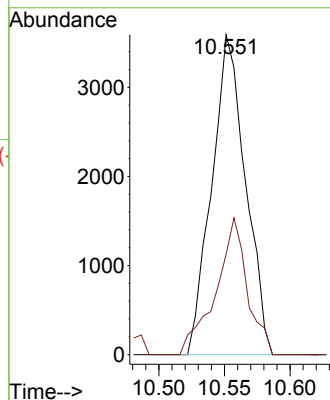
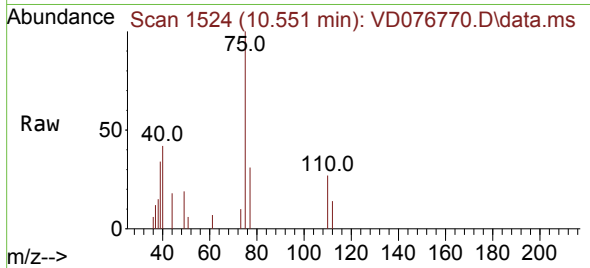




#53
t-1,3-Dichloropropene
Concen: 2.256 ug/l
RT: 10.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

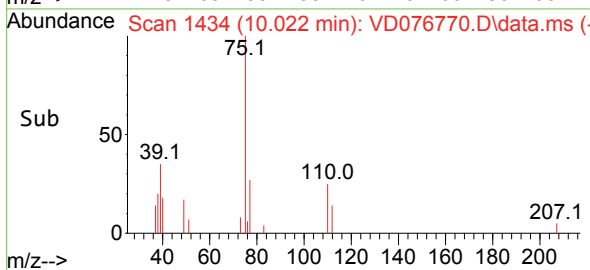
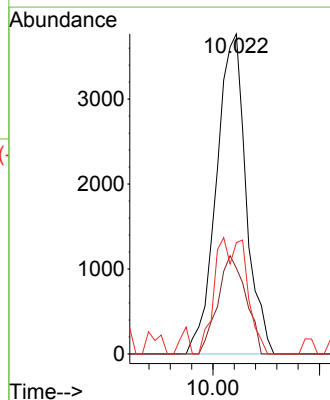
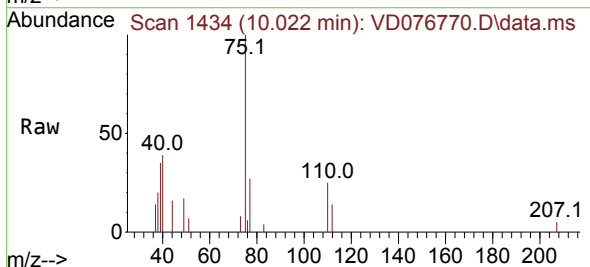
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

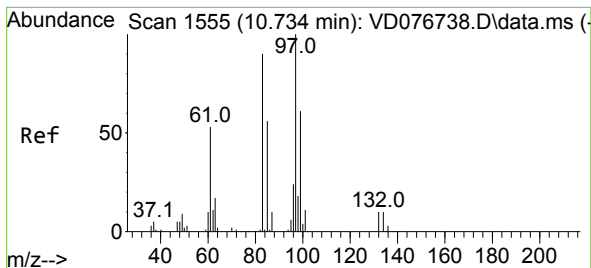
Tgt Ion: 75 Resp: 6420
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 2.166 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 75 Resp: 7265
Ion Ratio Lower Upper
75 100
77 26.9 25.5 38.3
39 34.8 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 2.423 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 97 Resp: 4324

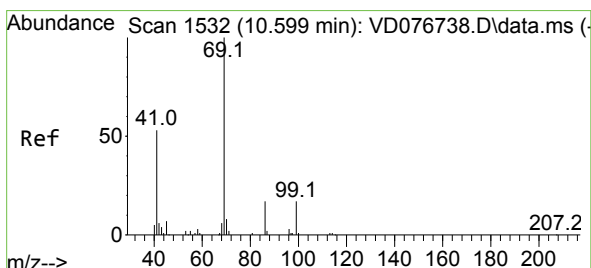
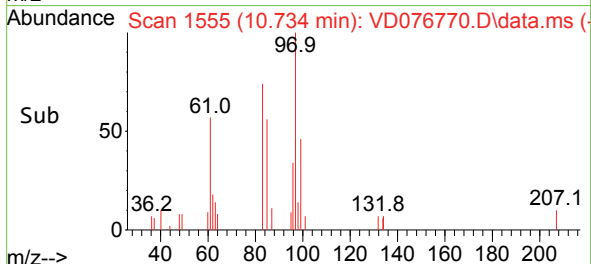
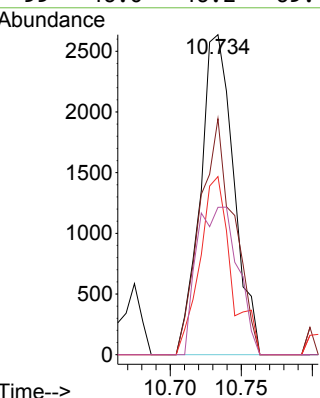
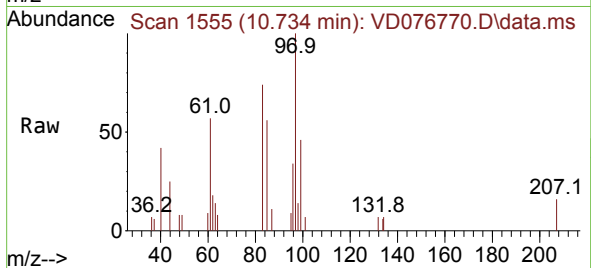
Ion Ratio Lower Upper

97 100

83 73.8 65.8 98.6

85 55.7 45.7 68.5

99 46.0 46.2 69.4#



#56

Ethyl methacrylate

Concen: 2.080 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.001 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

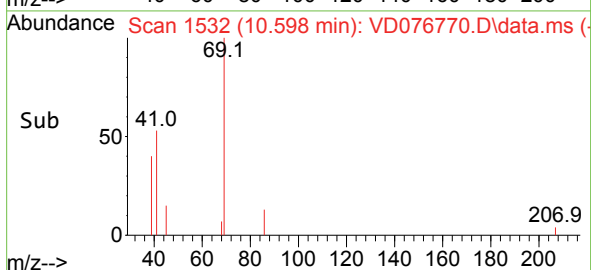
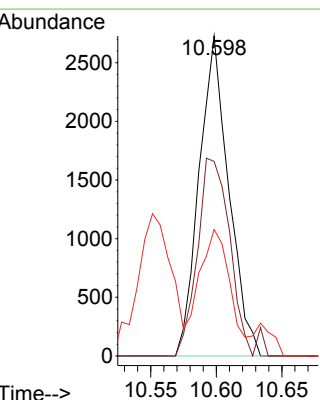
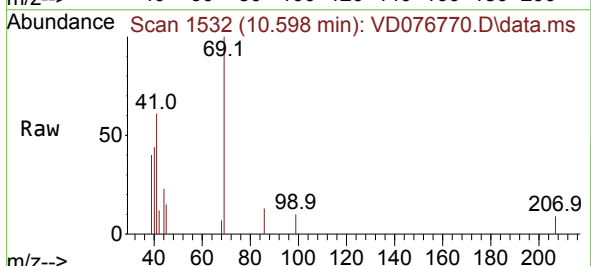
Tgt Ion: 69 Resp: 4284

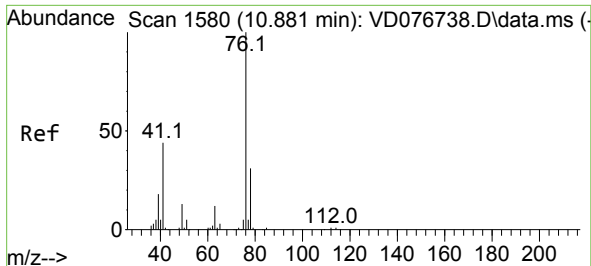
Ion Ratio Lower Upper

69 100

41 66.9 39.1 58.7#

39 41.3 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 2.312 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

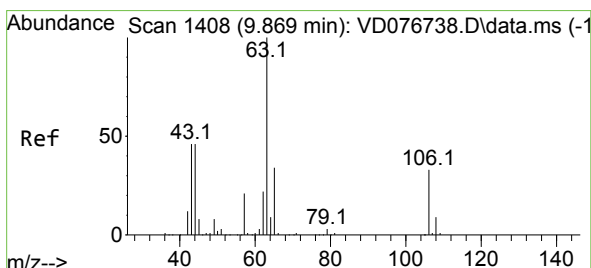
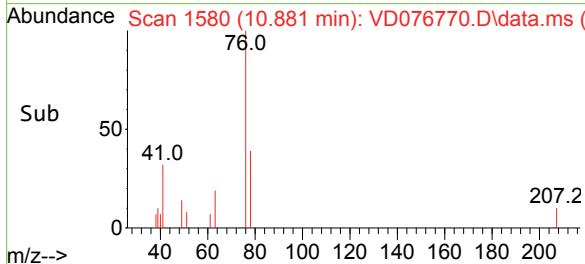
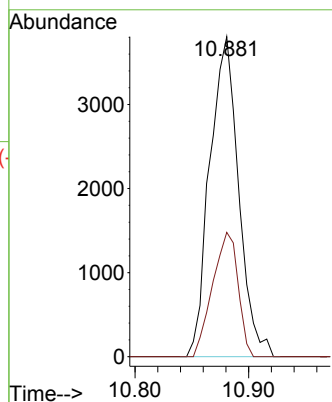
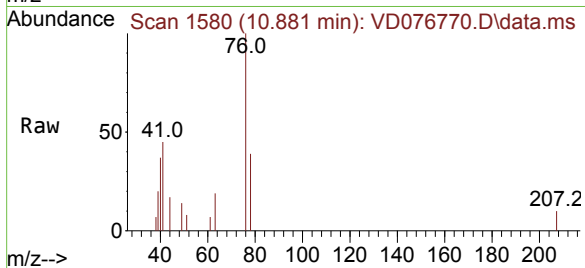
MDL-SOIL-03-QT3-2023

Tgt Ion: 76 Resp: 6719

Ion Ratio Lower Upper

76 100

78 34.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 11.615 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD076770.D

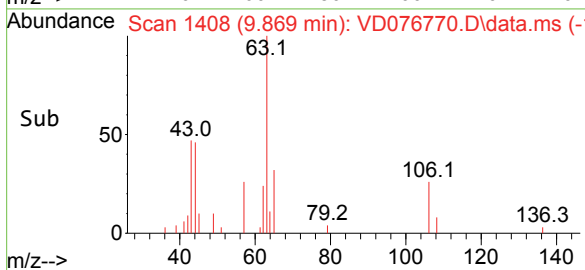
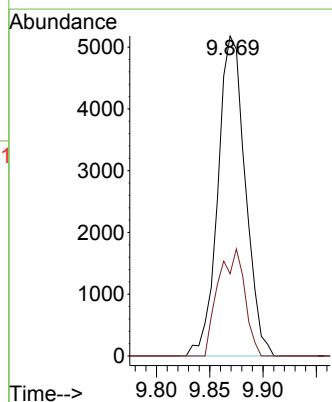
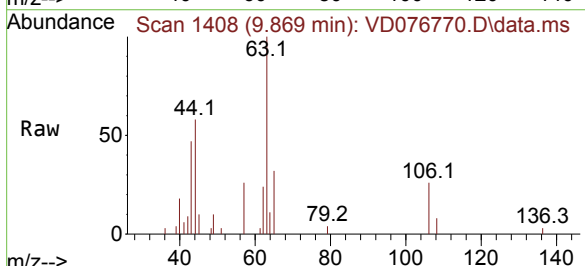
Acq: 18 Jul 2023 11:32

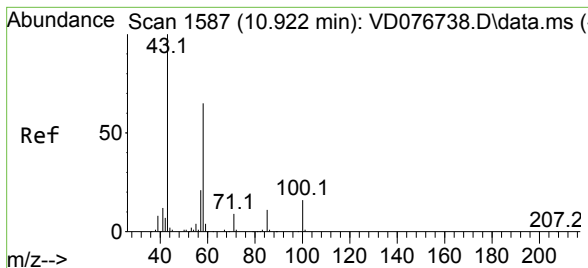
Tgt Ion: 63 Resp: 9259

Ion Ratio Lower Upper

63 100

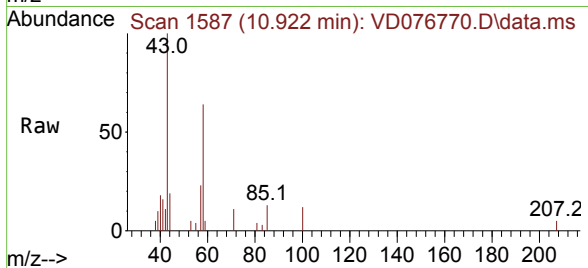
106 32.3 25.3 37.9



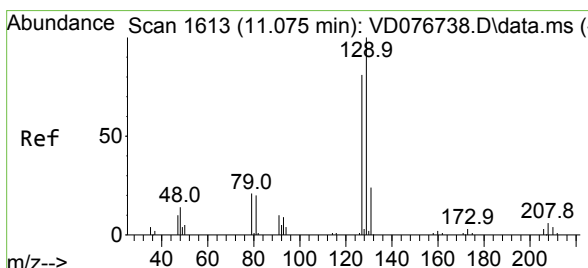
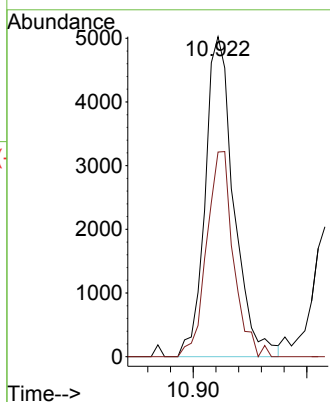
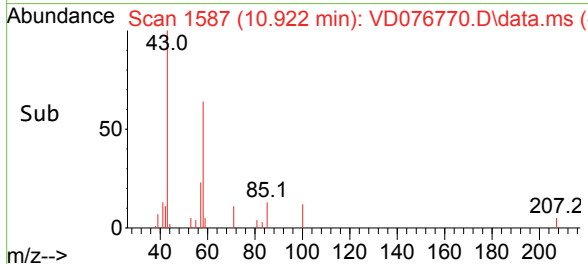


#59
2-Hexanone
Concen: 10.361 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

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

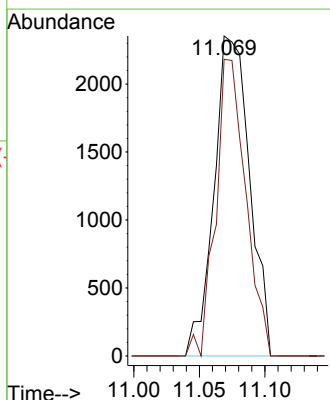
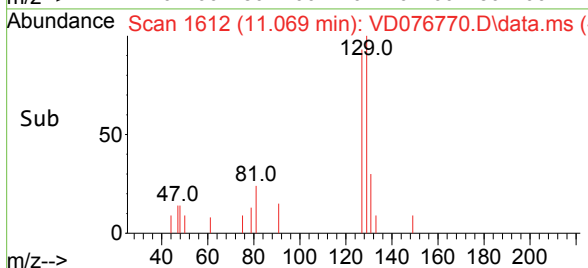
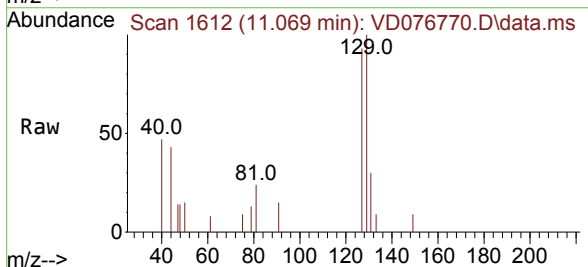


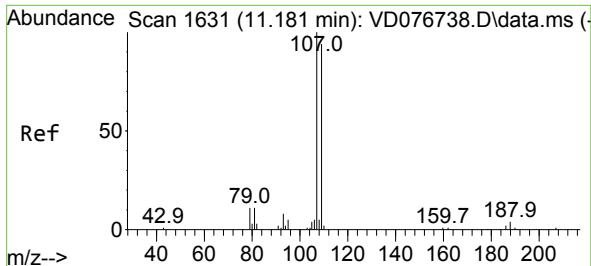
Tgt Ion: 43 Resp: 8805
Ion Ratio Lower Upper
43 100
58 60.0 34.1 102.2



#60
Dibromochloromethane
Concen: 2.142 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 129 Resp: 4440
Ion Ratio Lower Upper
129 100
127 78.1 37.1 111.5

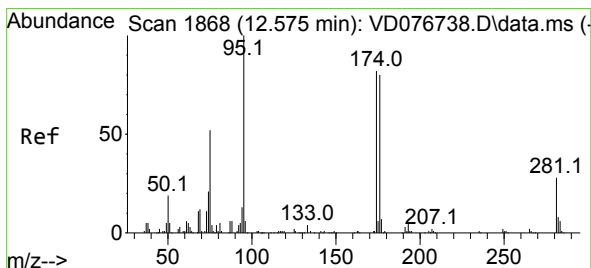
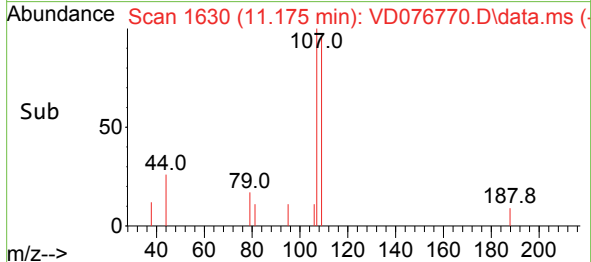
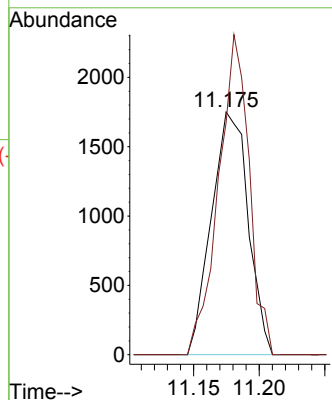
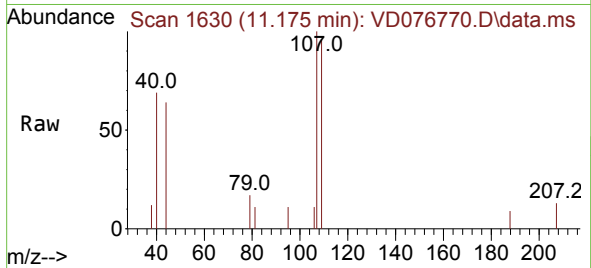




#61
1,2-Dibromoethane
Concen: 2.059 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

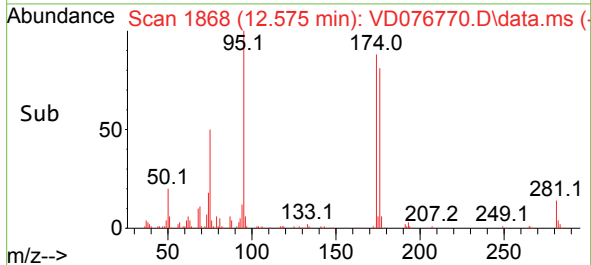
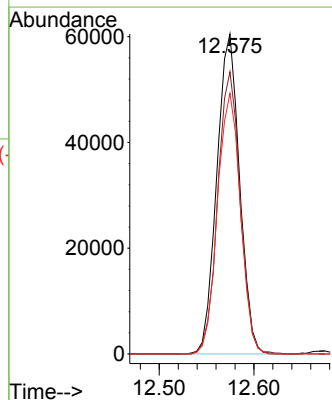
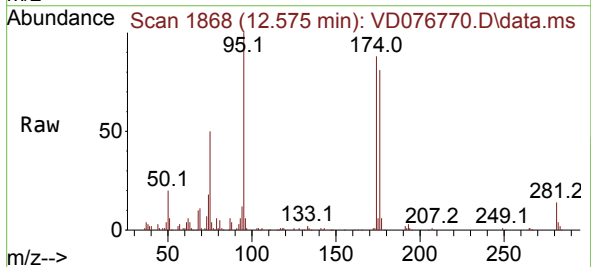
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

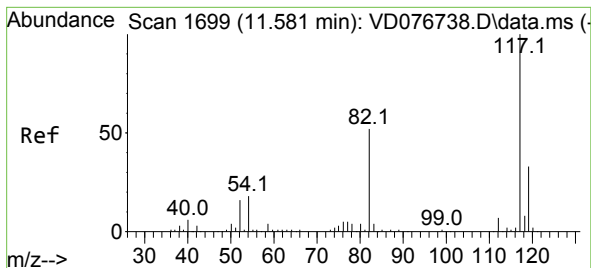
Tgt Ion:107 Resp: 3406
Ion Ratio Lower Upper
107 100
109 109.6 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 44.556 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 95 Resp: 101138
Ion Ratio Lower Upper
95 100
174 86.9 0.0 201.8
176 82.0 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: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

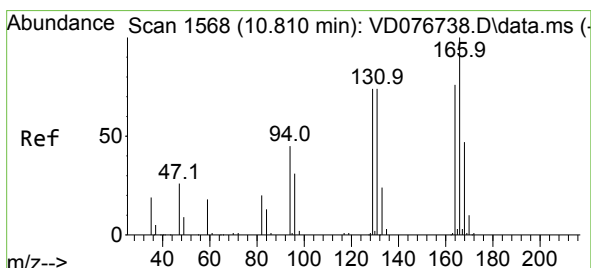
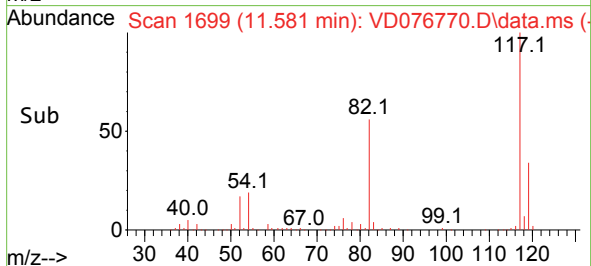
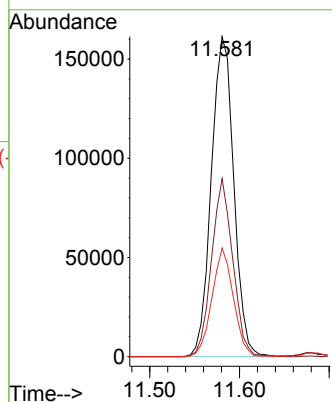
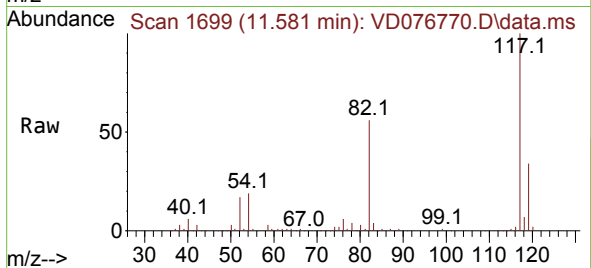
Tgt Ion:117 Resp: 280375

Ion Ratio Lower Upper

117 100

82 55.6 38.3 57.5

119 33.9 25.0 37.4



#64

Tetrachloroethene

Concen: 2.611 ug/l

RT: 10.816 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Tgt Ion:164 Resp: 4175

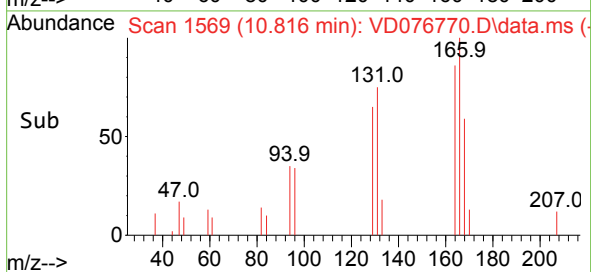
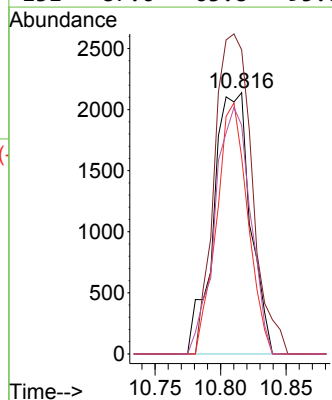
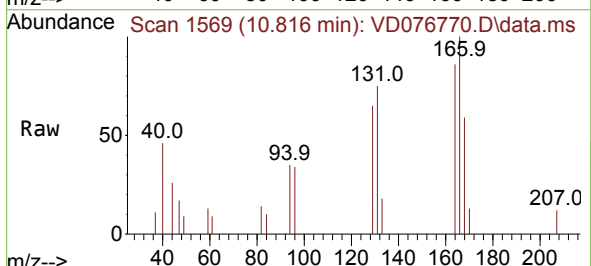
Ion Ratio Lower Upper

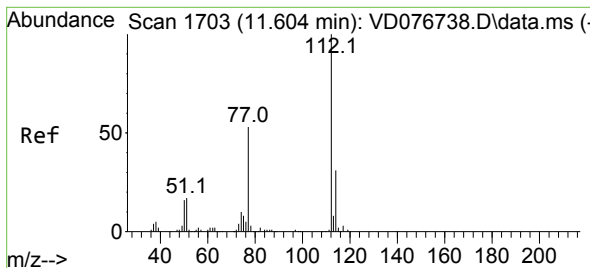
164 100

166 116.4 99.2 148.8

129 75.3 68.4 102.6

131 87.6 63.8 95.8





#65

Chlorobenzene

Concen: 2.318 ug/l

RT: 11.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

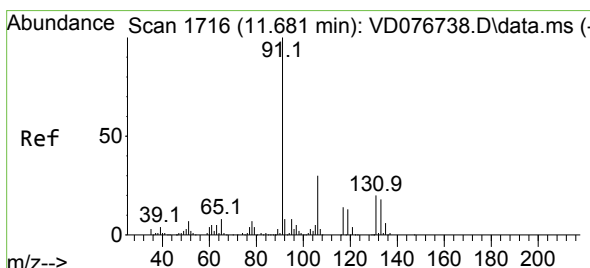
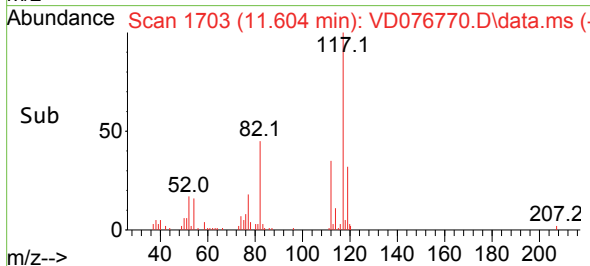
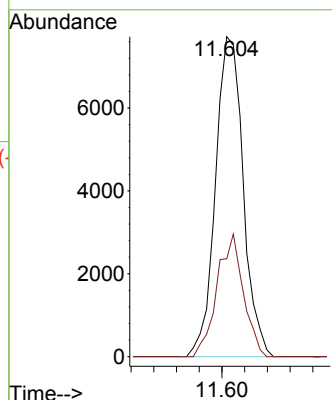
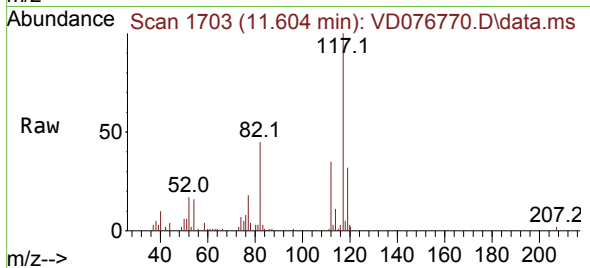
MDL-SOIL-03-QT3-2023

Tgt Ion:112 Resp: 13072

Ion Ratio Lower Upper

112 100

114 30.6 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 2.281 ug/l

RT: 11.687 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

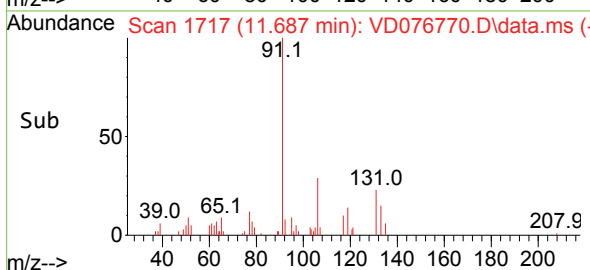
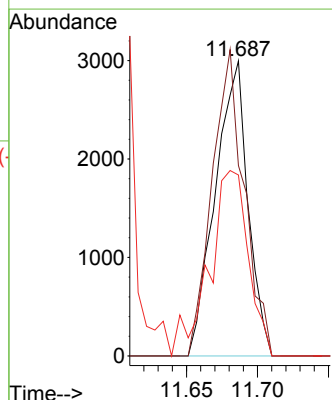
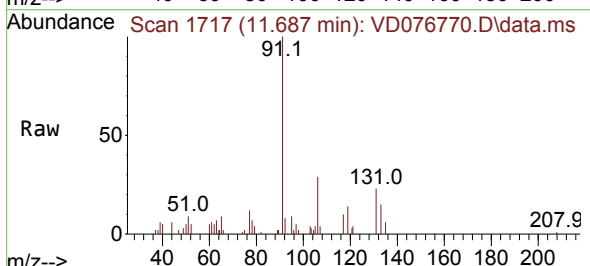
Tgt Ion:131 Resp: 4788

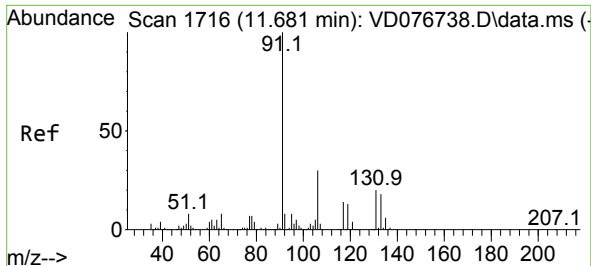
Ion Ratio Lower Upper

131 100

133 102.0 48.5 145.5

119 74.8 35.6 106.9

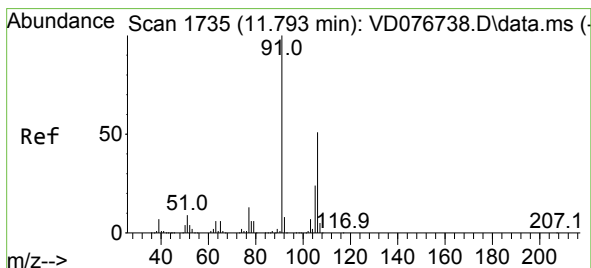
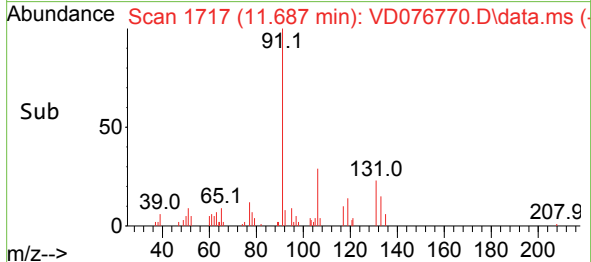
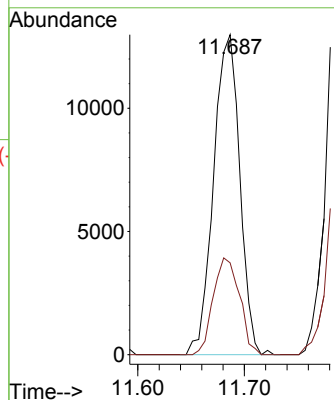
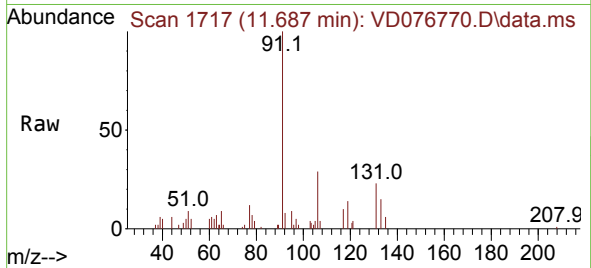




#67
Ethyl Benzene
Concen: 2.238 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

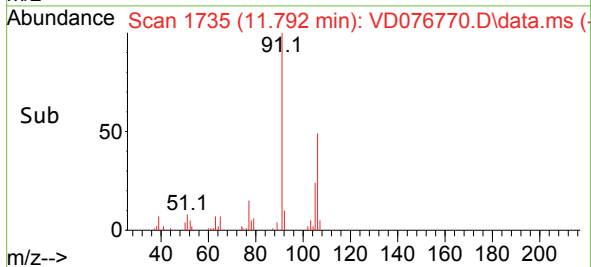
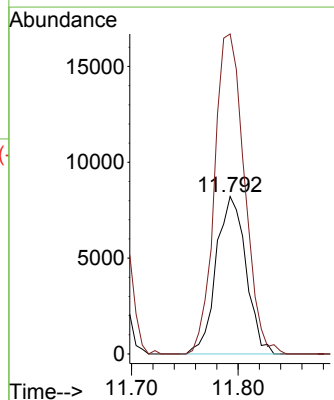
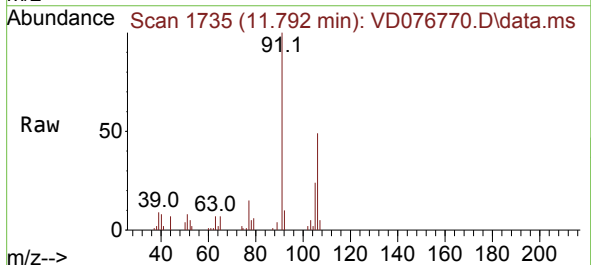
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

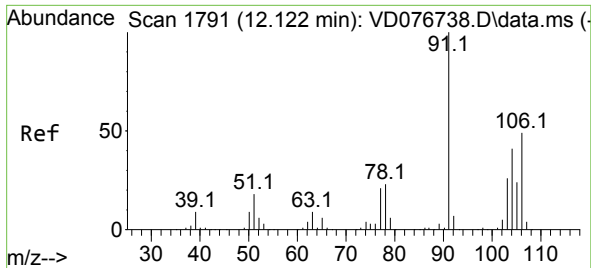
Tgt Ion: 91 Resp: 22168
Ion Ratio Lower Upper
91 100
106 28.7 26.5 39.7



#68
m/p-Xylenes
Concen: 4.195 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 106 Resp: 15955
Ion Ratio Lower Upper
106 100
91 204.0 147.0 220.6

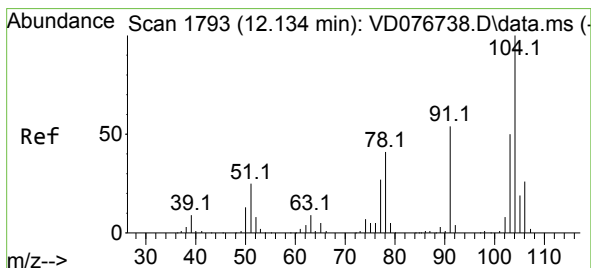
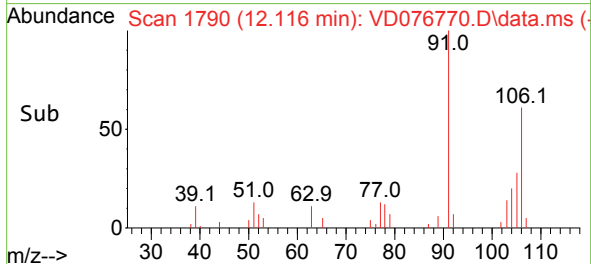
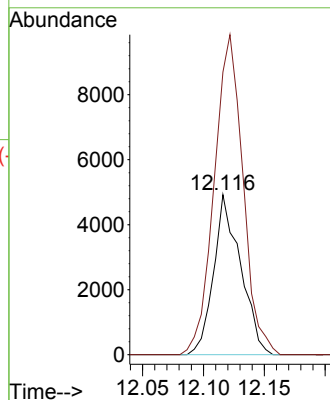
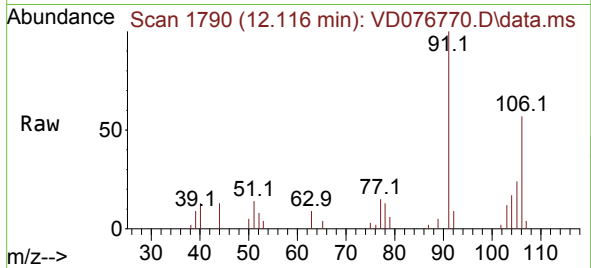




#69
o-Xylene
Concen: 2.060 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

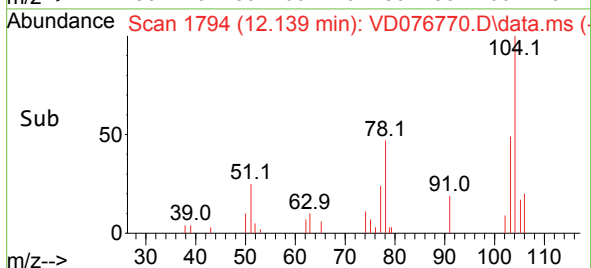
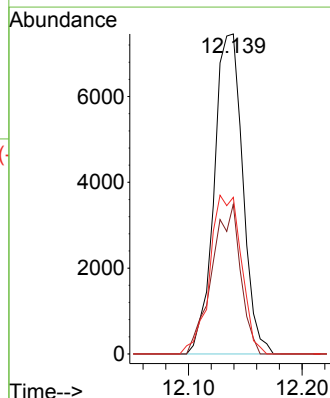
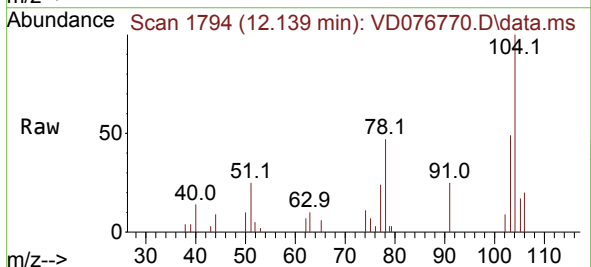
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

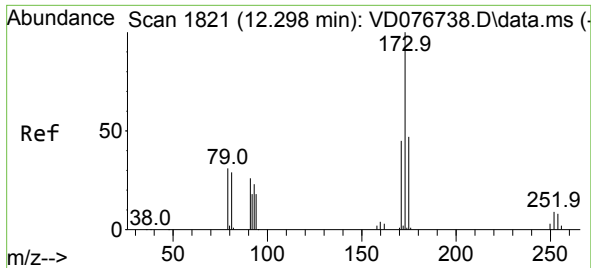
Tgt Ion:106 Resp: 7576
Ion Ratio Lower Upper
106 100
91 213.9 97.9 293.6



#70
Styrene
Concen: 2.025 ug/l
RT: 12.139 min Scan# 1794
Delta R.T. 0.005 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:104 Resp: 13040
Ion Ratio Lower Upper
104 100
78 46.5 33.2 49.8
103 54.4 43.6 65.4

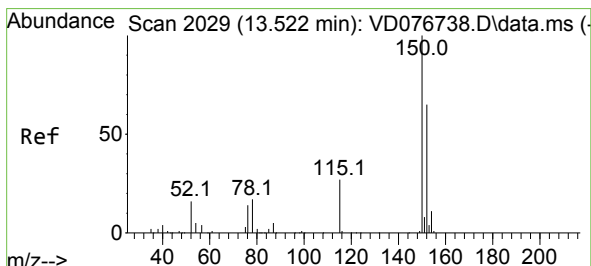
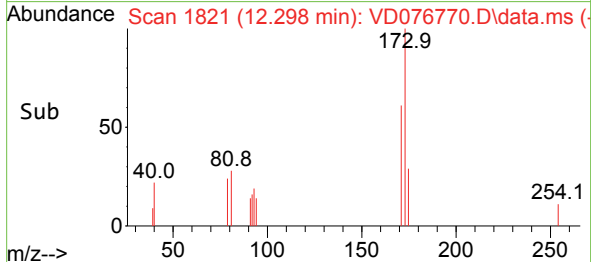
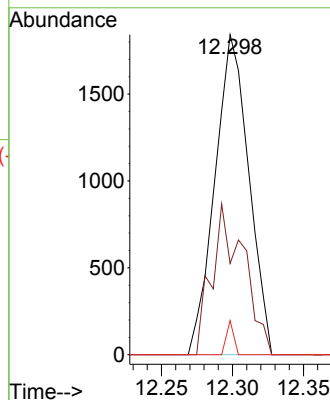
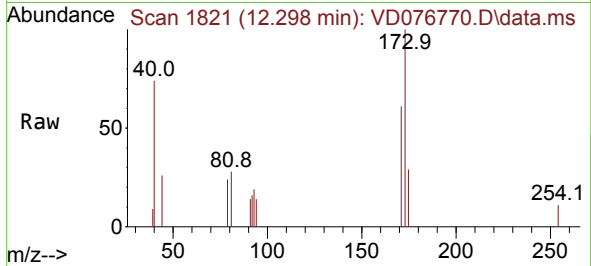




#71
Bromoform
Concen: 2.658 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

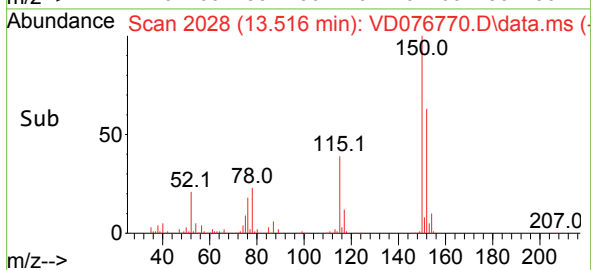
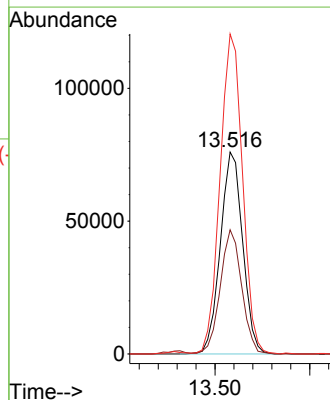
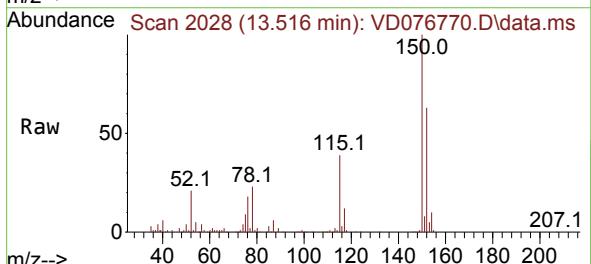
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

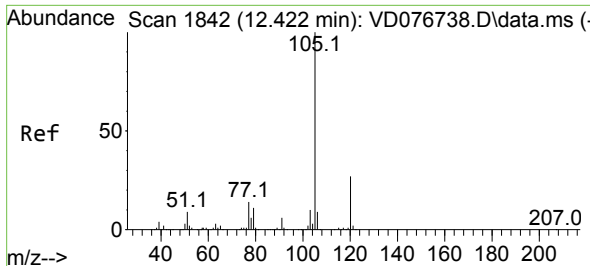
Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.5	24.6	73.8
254	2.3	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	27.1	81.3
150	159.5	0.0	353.6

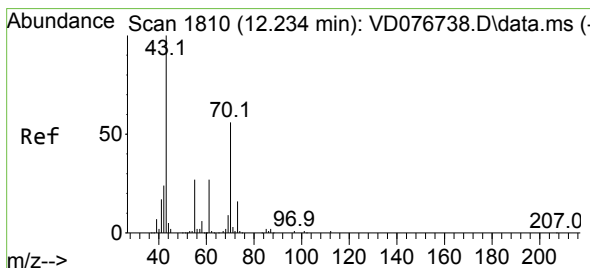
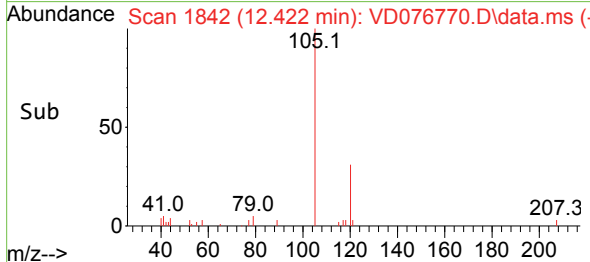
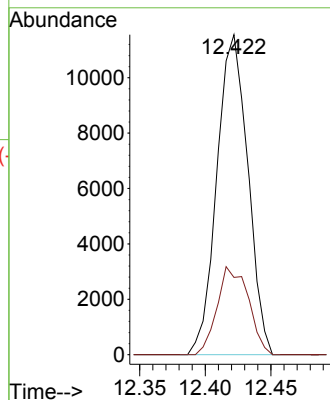
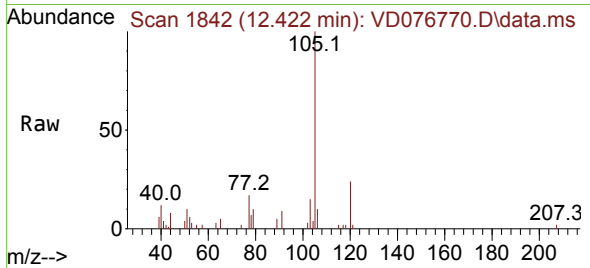




#73
Isopropylbenzene
Concen: 2.101 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

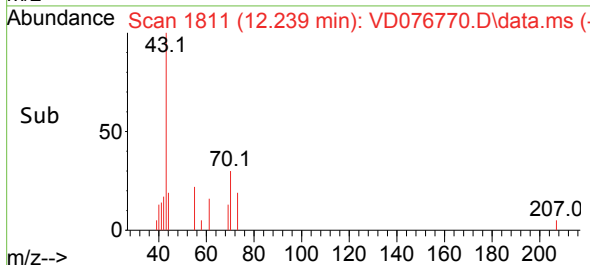
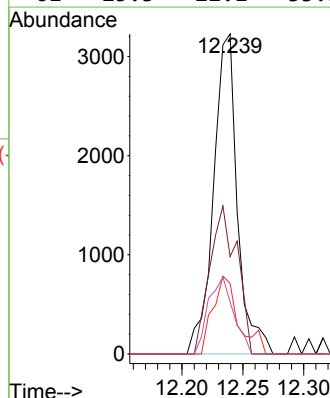
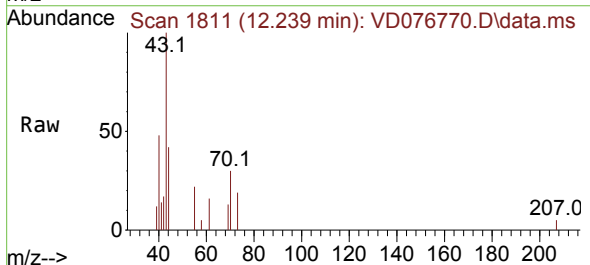
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

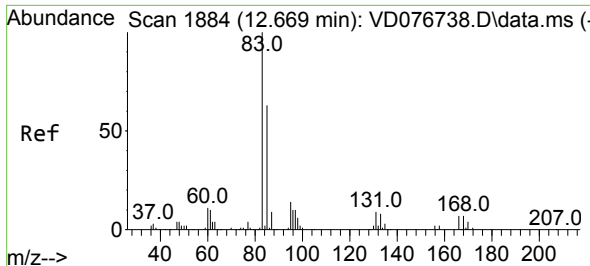
Tgt Ion:105 Resp: 18968
Ion Ratio Lower Upper
105 100
120 27.7 14.3 42.9



#74
N-ethyl acetate
Concen: 2.318 ug/l
RT: 12.239 min Scan# 1811
Delta R.T. 0.005 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 43 Resp: 4410
Ion Ratio Lower Upper
43 100
70 52.5 45.0 67.4
55 26.1 23.8 35.6
61 25.3 22.1 33.1

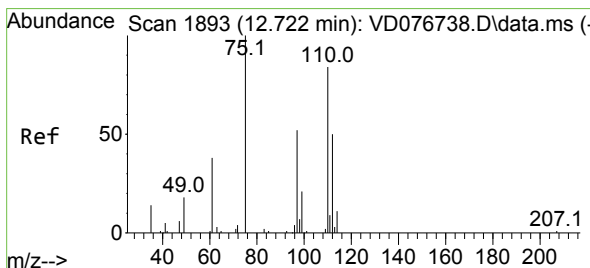
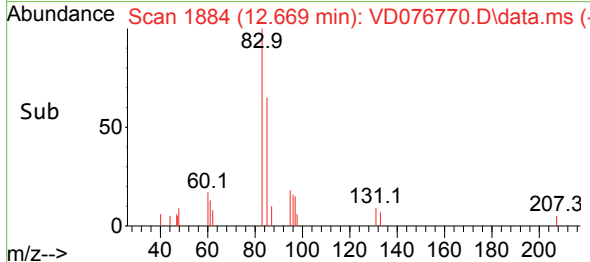
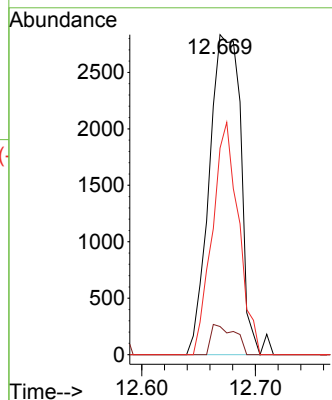
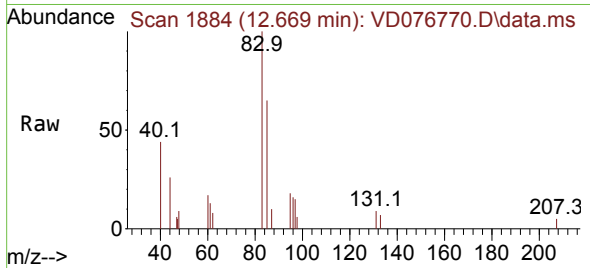




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.825 ug/l
 RT: 12.669 min Scan# 1884
 Delta R.T. -0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

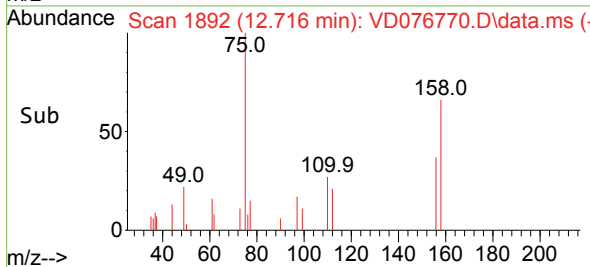
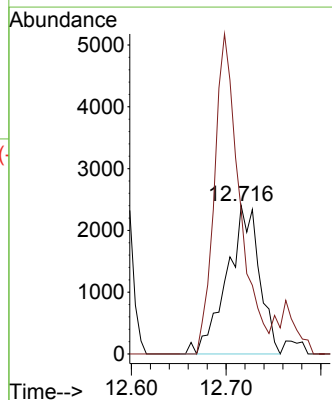
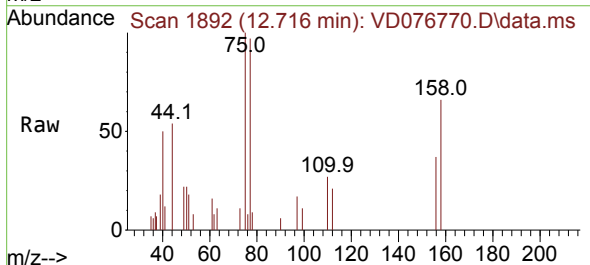
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

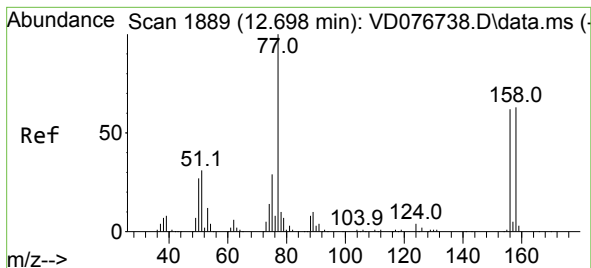
Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.1	5.1	15.3
85	60.4	32.6	97.8



#76
 1,2,3-Trichloropropane
 Concen: 4.815 ug/l
 RT: 12.716 min Scan# 1892
 Delta R.T. -0.006 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	169.4	0.0	0.0#





#77

Bromobenzene

Concen: 2.595 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

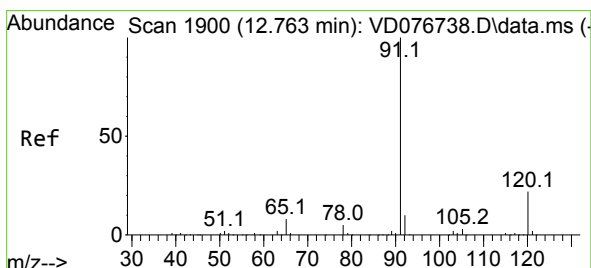
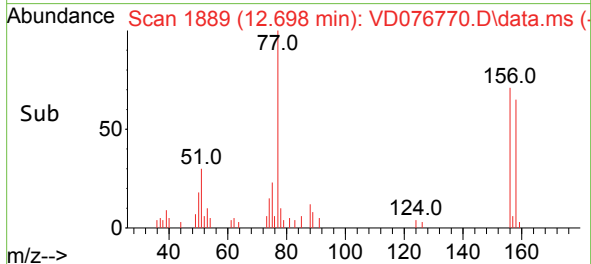
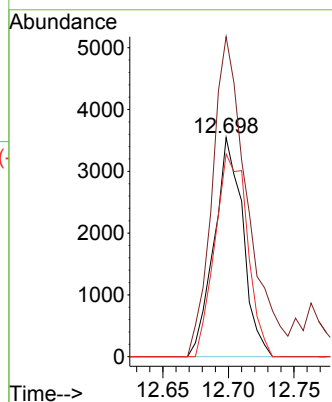
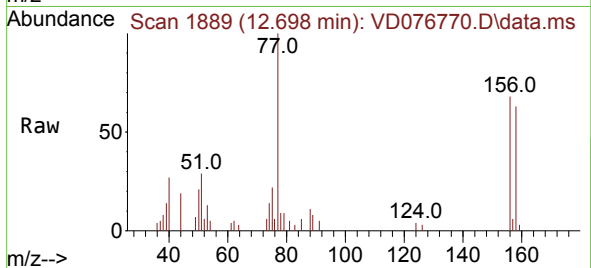
Tgt Ion:156 Resp: 5408

Ion Ratio Lower Upper

156 100

77 178.6 76.8 230.4

158 104.4 48.6 145.9



#78

n-propylbenzene

Concen: 2.318 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD076770.D

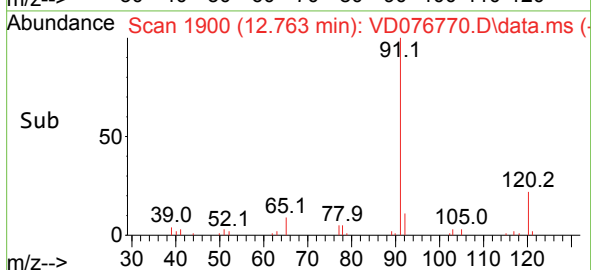
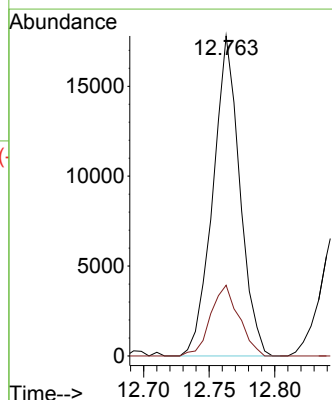
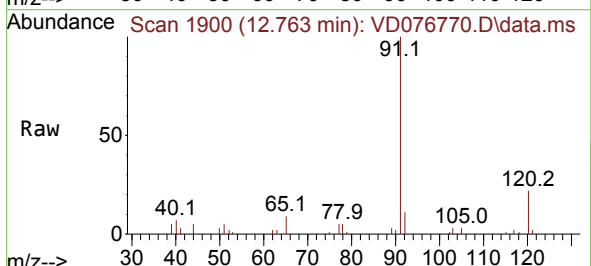
Acq: 18 Jul 2023 11:32

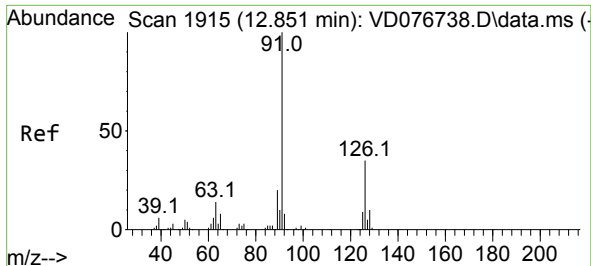
Tgt Ion: 91 Resp: 25374

Ion Ratio Lower Upper

91 100

120 23.4 12.4 37.2

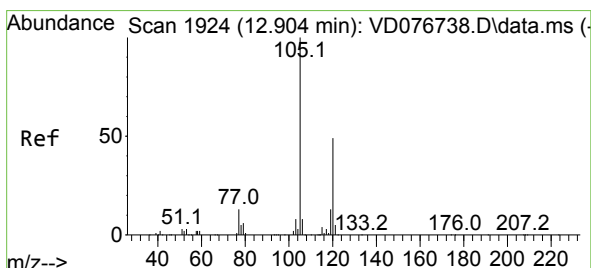
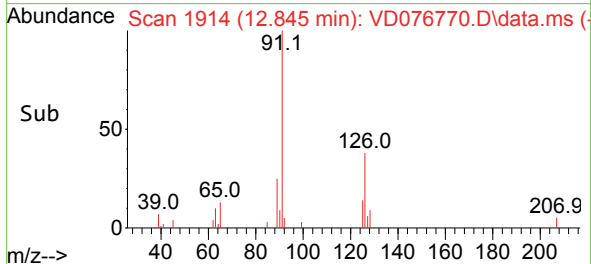
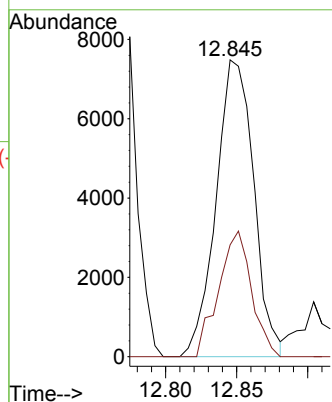
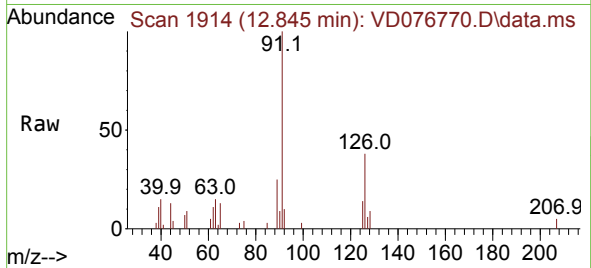




#79
2-Chlorotoluene
Concen: 2.302 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

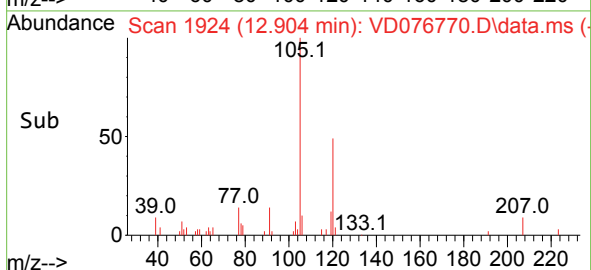
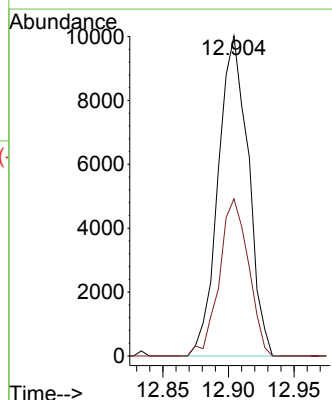
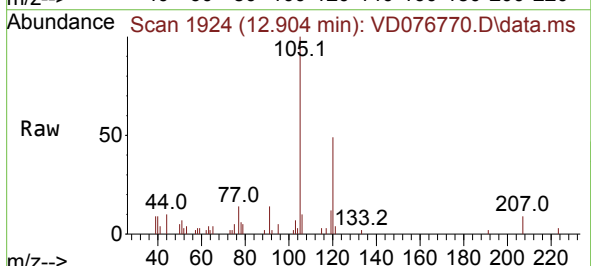
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

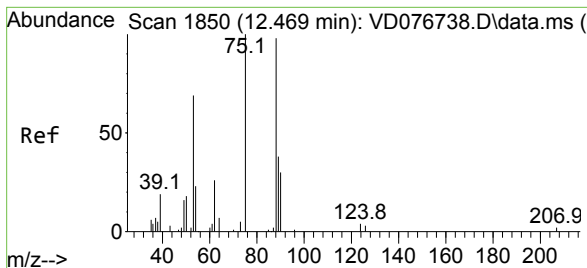
Tgt Ion: 91 Resp: 13817
Ion Ratio Lower Upper
91 100
126 36.9 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 2.190 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 105 Resp: 15987
Ion Ratio Lower Upper
105 100
120 47.5 26.4 79.2

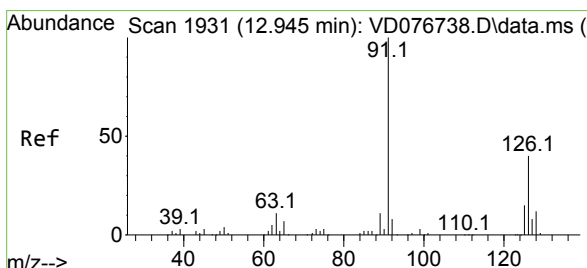
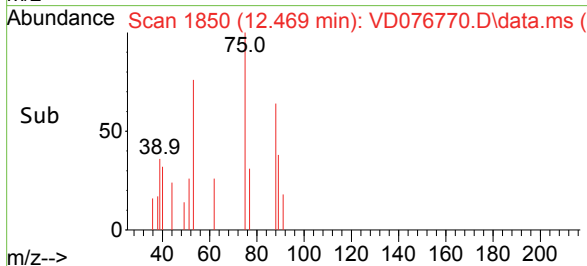
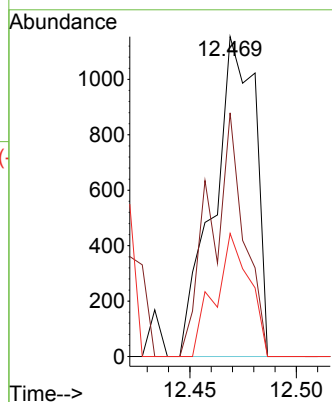
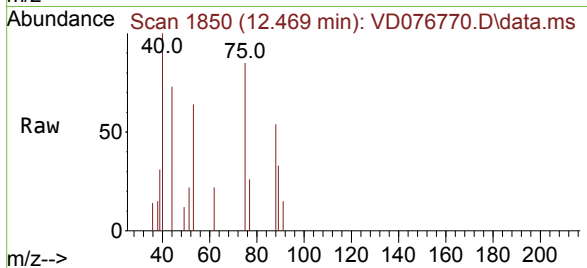




#81
trans-1,4-Dichloro-2-butene
Concen: 2.832 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

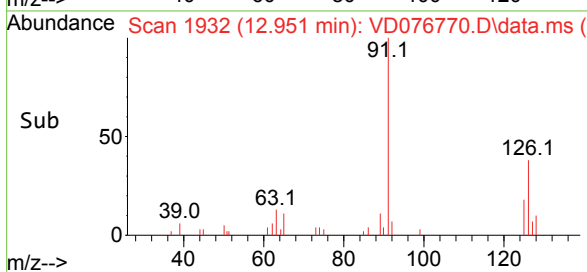
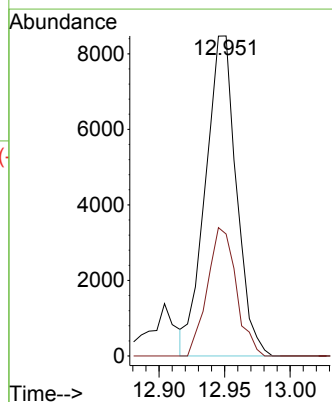
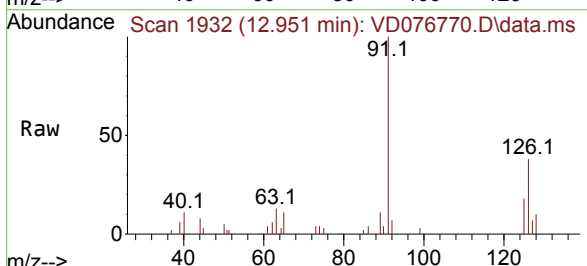
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

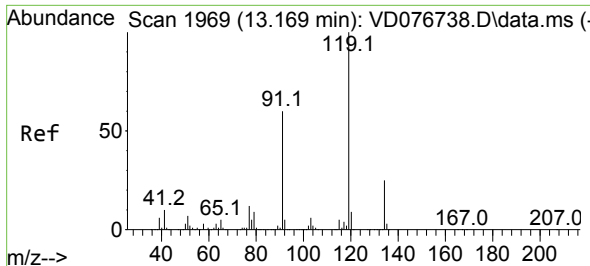
Tgt Ion: 75 Resp: 1575
Ion Ratio Lower Upper
75 100
53 61.7 63.0 94.4#
89 31.8 37.9 56.9#



#82
4-Chlorotoluene
Concen: 2.223 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion: 91 Resp: 13939
Ion Ratio Lower Upper
91 100
126 37.2 19.4 58.4

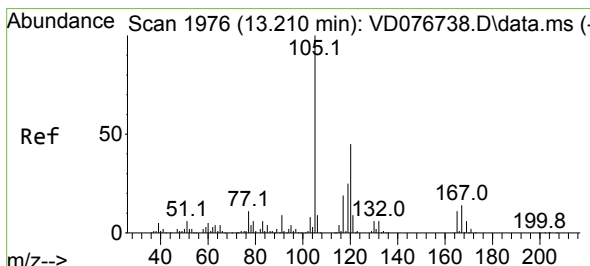
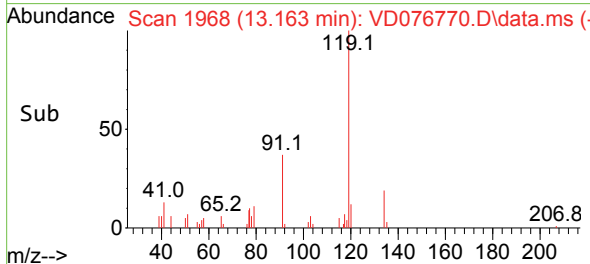
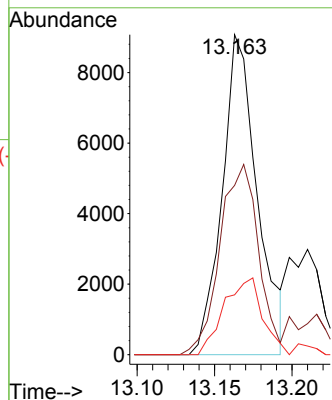
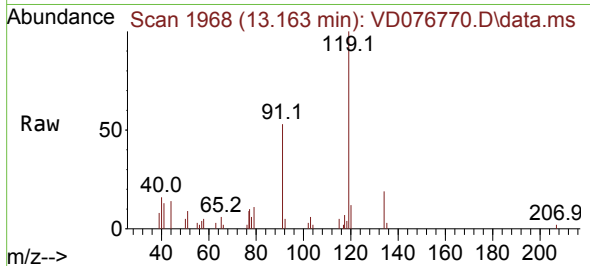




#83
tert-Butylbenzene
Concen: 2.225 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

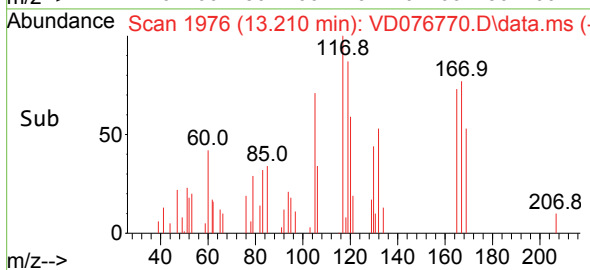
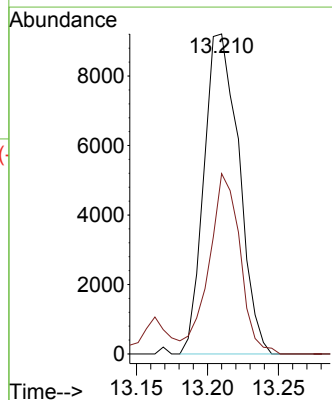
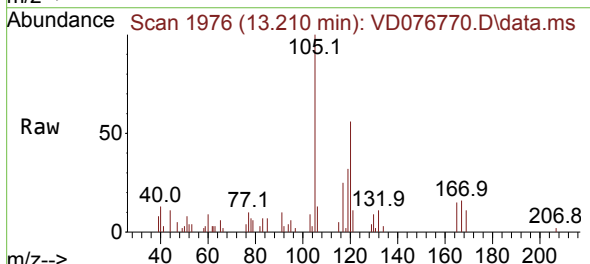
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

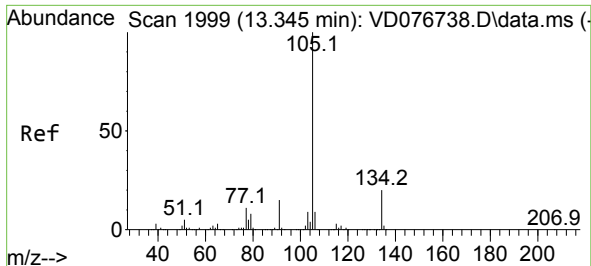
Tgt Ion:	119	Resp:	14303
Ion Ratio	Lower	Upper	
119	100		
91	65.2	29.3	87.8
134	26.3	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 2.109 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:	105	Resp:	15735
Ion Ratio	Lower	Upper	
105	100		
120	50.1	24.3	72.9

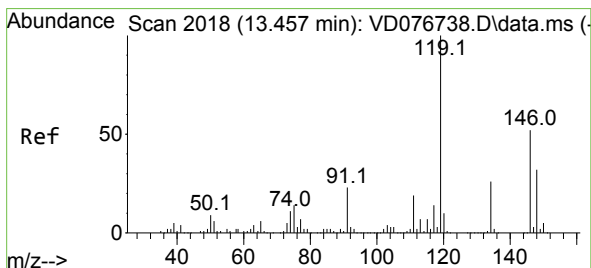
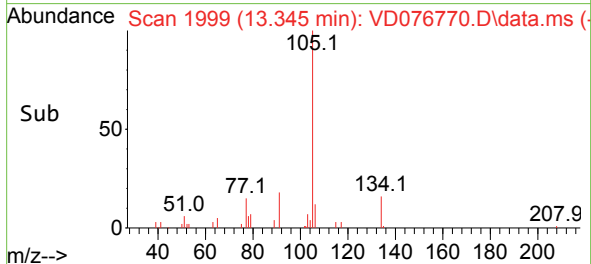
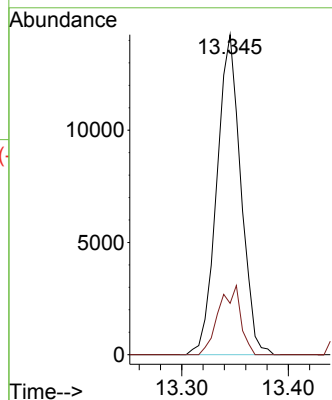
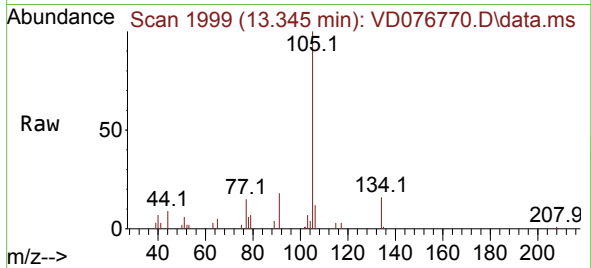




#85
 sec-Butylbenzene
 Concen: 2.266 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

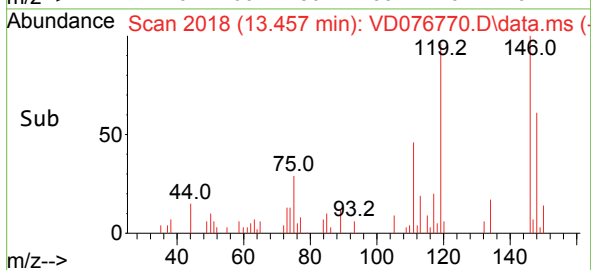
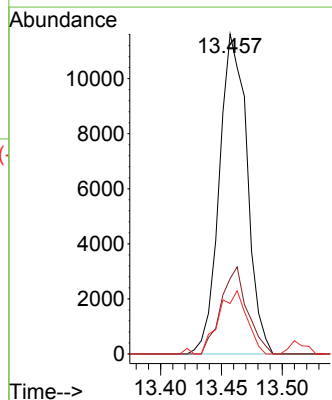
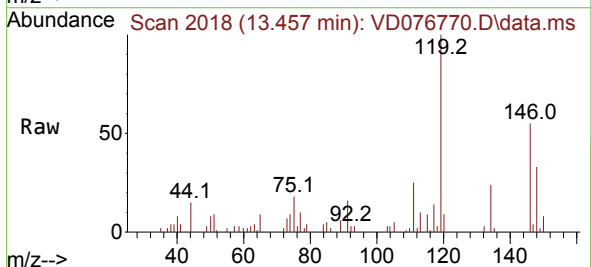
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

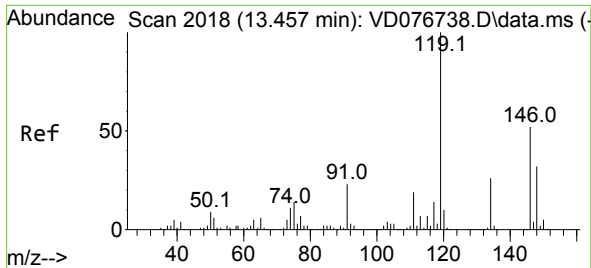
Tgt Ion:105 Resp: 22253
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 2.270 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

Tgt Ion:119 Resp: 18411
 Ion Ratio Lower Upper
 119 100
 134 25.9 14.2 42.6
 91 20.4 10.5 31.5

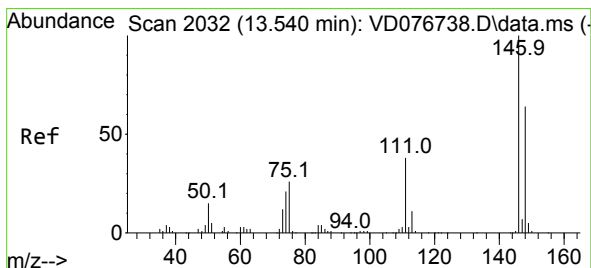
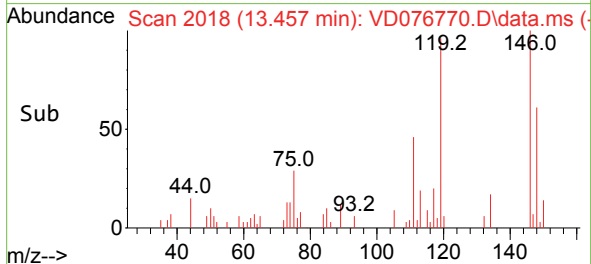
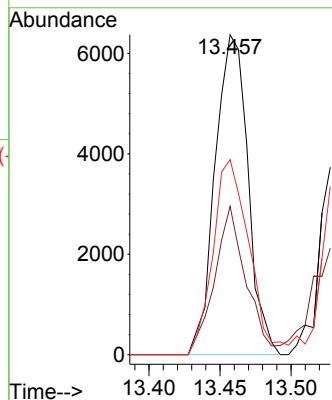
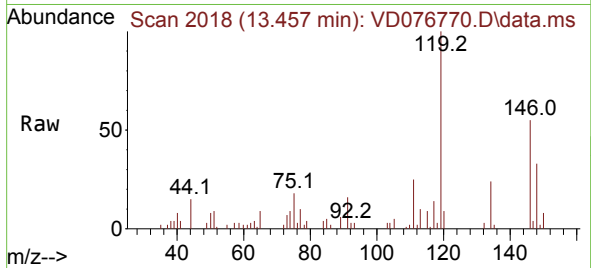




#87
1,3-Dichlorobenzene
Concen: 2.393 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

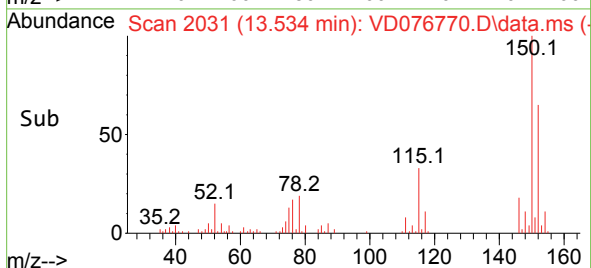
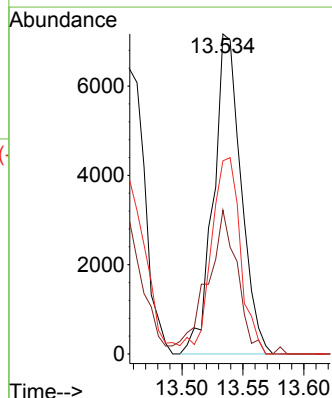
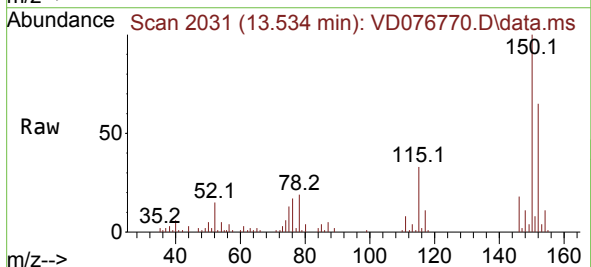
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

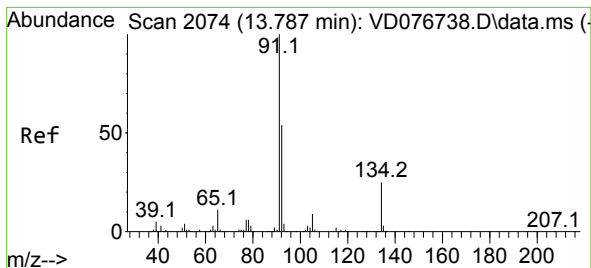
Tgt Ion:146 Resp: 10259
Ion Ratio Lower Upper
146 100
111 44.0 17.9 53.8
148 66.9 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 2.696 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076770.D
Acq: 18 Jul 2023 11:32

Tgt Ion:146 Resp: 11325
Ion Ratio Lower Upper
146 100
111 49.0 17.4 52.3
148 64.7 31.7 95.1





#89

n-Butylbenzene

Concen: 2.347 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

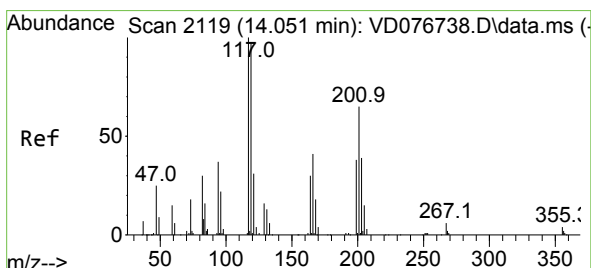
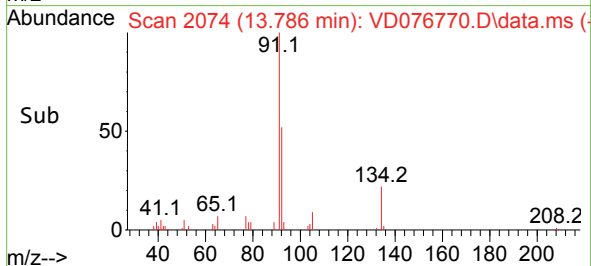
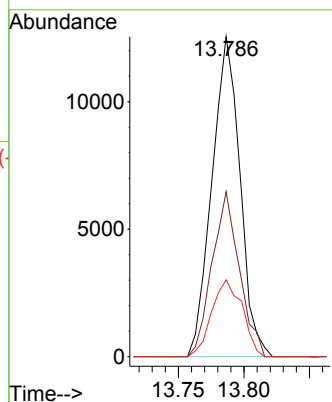
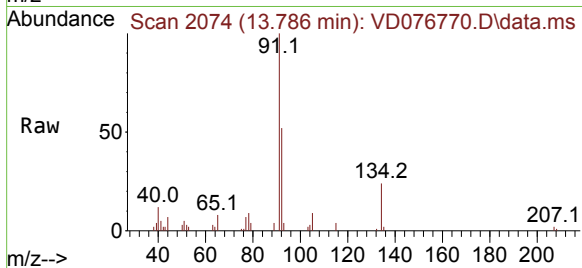
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 91	Resp: 18631
Ion Ratio	Lower Upper
91	100
92	50.4 26.5 79.5
134	26.1 13.8 41.3



#90

Hexachloroethane

Concen: 2.637 ug/l

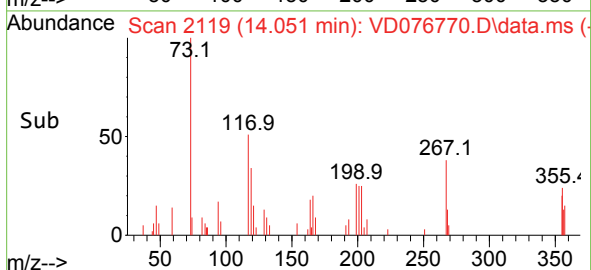
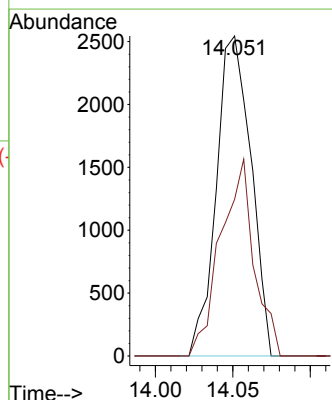
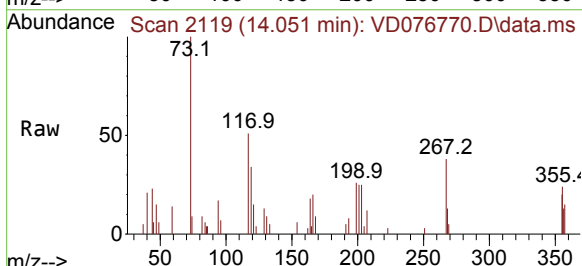
RT: 14.051 min Scan# 2119

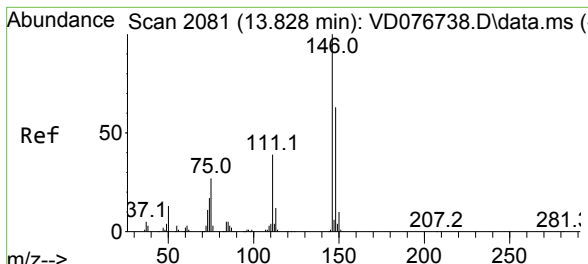
Delta R.T. 0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Tgt Ion: 117	Resp: 3954
Ion Ratio	Lower Upper
117	100
201	59.5 38.5 115.5

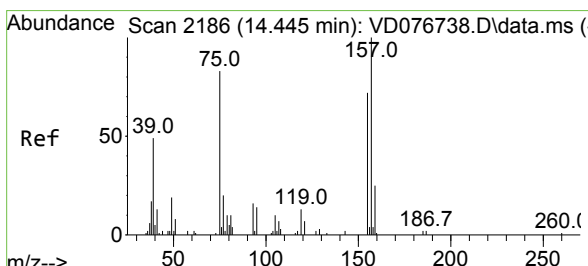
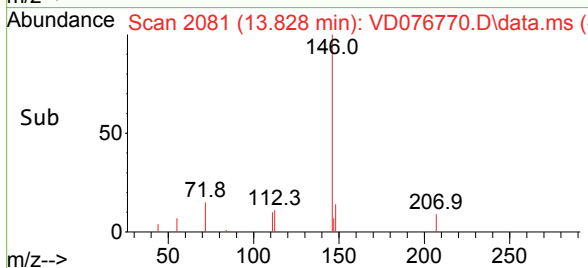
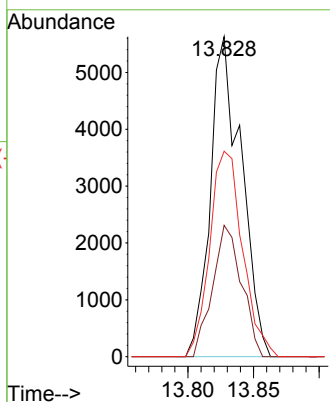
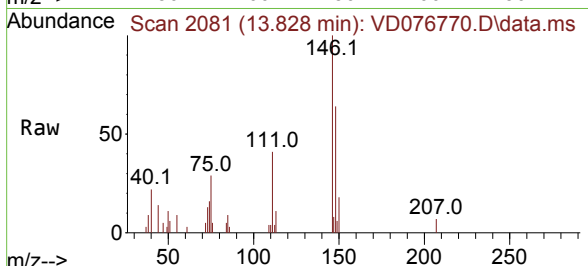




#91
 1,2-Dichlorobenzene
 Concen: 2.444 ug/l
 RT: 13.828 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

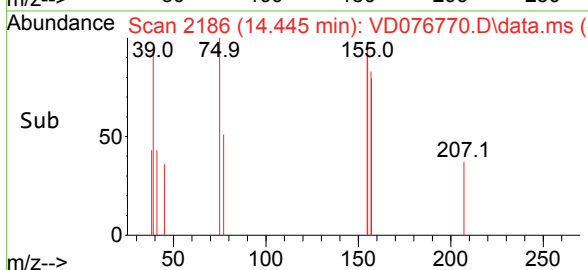
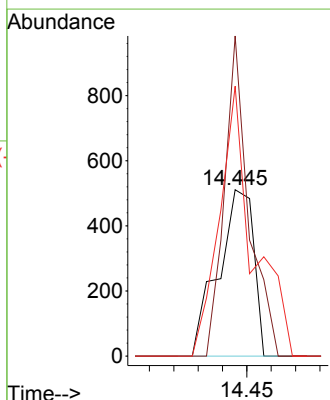
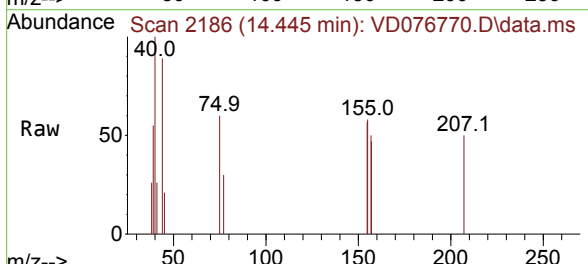
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT3-2023

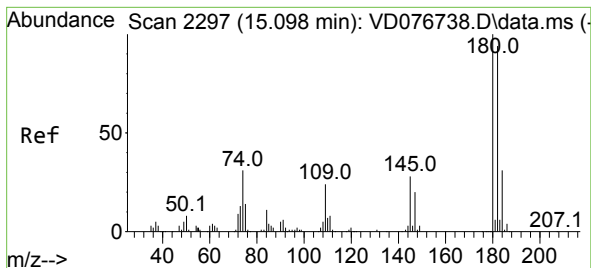
Tgt Ion:	146	Resp:	9231
Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.3	54.8
148	68.1	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.867 ug/l
 RT: 14.445 min Scan# 2186
 Delta R.T. 0.000 min
 Lab File: VD076770.D
 Acq: 18 Jul 2023 11:32

Tgt Ion:	75	Resp:	516
Ion	Ratio	Lower	Upper
75	100		
155	132.0	47.9	143.8
157	154.7	59.9	179.7





#93

1,2,4-Trichlorobenzene

Concen: 2.457 ug/l

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD076770.D

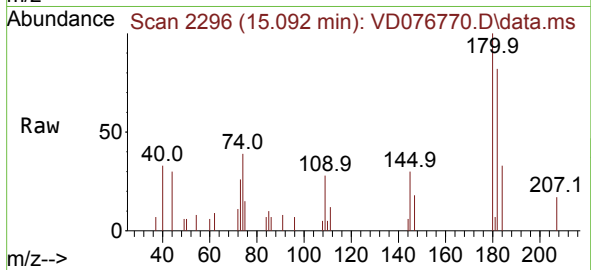
Acq: 18 Jul 2023 11:32

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



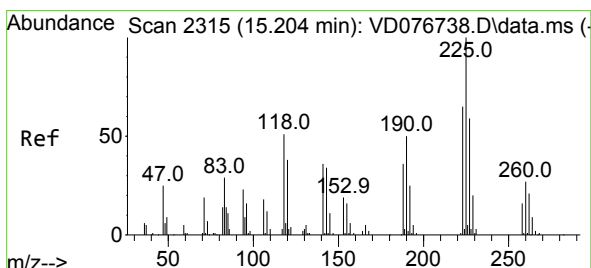
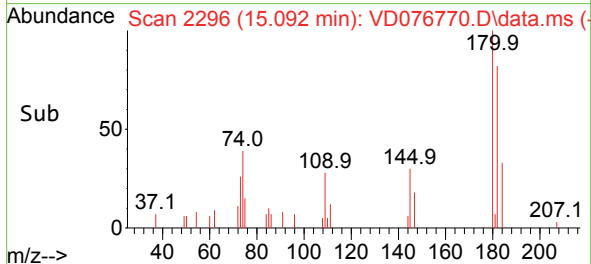
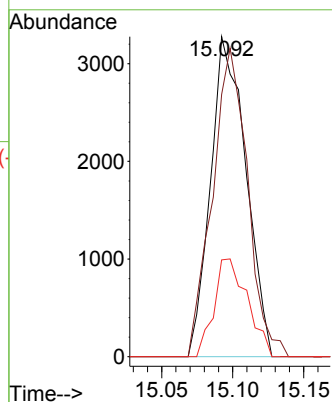
Tgt Ion:180 Resp: 5667

Ion Ratio Lower Upper

180 100

182 96.3 48.5 145.6

145 28.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.687 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. -0.006 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

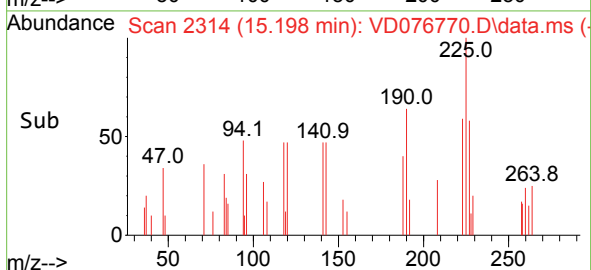
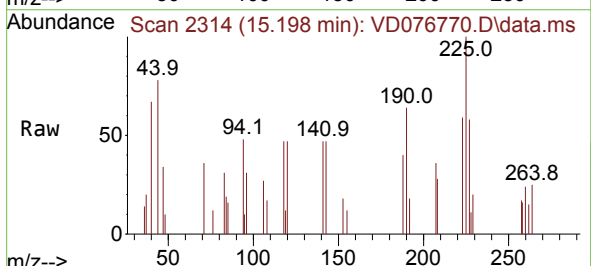
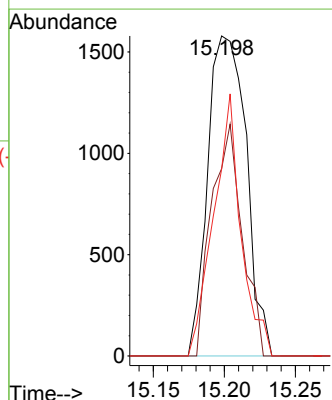
Tgt Ion:225 Resp: 2980

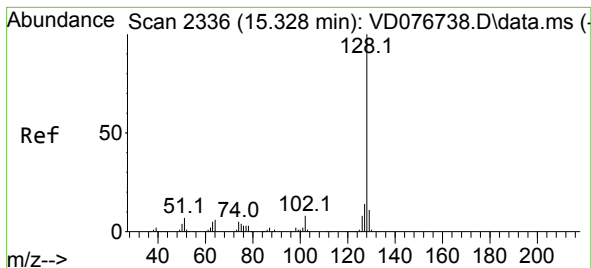
Ion Ratio Lower Upper

225 100

223 57.9 31.6 94.8

227 58.2 31.7 95.1





#95

Naphthalene

Concen: 2.544 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.005 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

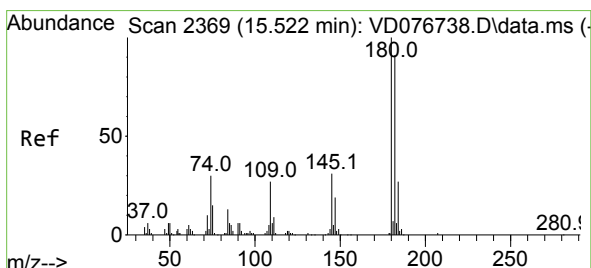
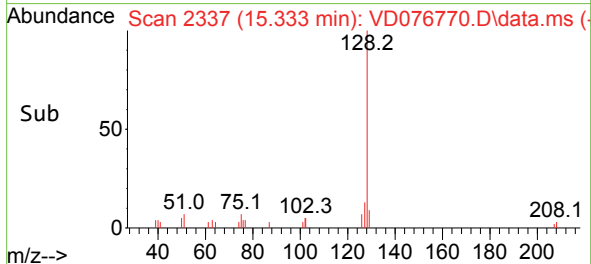
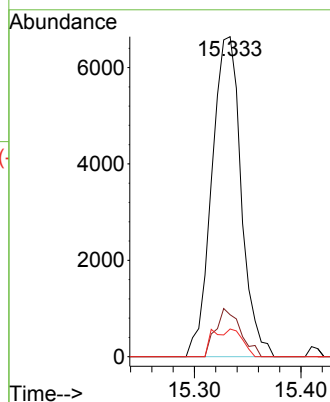
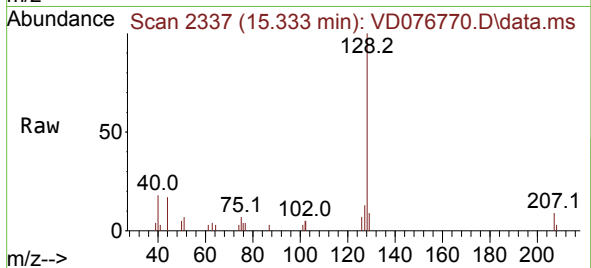
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:128	Resp:	12706
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.5 15.7
129	8.7	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.537 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD076770.D

Acq: 18 Jul 2023 11:32

Tgt Ion:180	Resp:	5250
Ion Ratio	Lower	Upper
180	100	
182	101.7	47.3 141.9
145	40.1	15.1 45.3

