

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076787.D
 Acq On : 19 Jul 2023 13:34
 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 20 06:08:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 20 06:07:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	155236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	290295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	260591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	112805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75644	48.923	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.840%
35) Dibromofluoromethane	7.805	113	89339	48.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.940%
50) Toluene-d8	10.269	98	301109	46.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.575	95	92241	43.692	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	3764	3.101	ug/l	86
3) Chloromethane	2.146	50	5707	2.725	ug/l	89
4) Vinyl Chloride	2.281	62	8281	2.967	ug/l	100
5) Bromomethane	2.687	94	8546	3.721	ug/l	92
6) Chloroethane	2.834	64	6506	3.087	ug/l	96
7) Trichlorofluoromethane	3.169	101	7434	2.993	ug/l	96
8) Diethyl Ether	3.587	74	2243	2.623	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.964	101	5659	3.466	ug/l	89
10) Methyl Iodide	4.169	142	4569	2.482	ug/l #	84
11) Tert butyl alcohol	5.064	59	1705	14.777	ug/l #	73
12) 1,1-Dichloroethene	3.922	96	4025	2.624	ug/l	85
13) Acrolein	3.805	56	1057	13.443	ug/l	97
14) Allyl chloride	4.564	41	5067	2.515	ug/l #	81
15) Acrylonitrile	5.263	53	5513	13.125	ug/l	97
16) Acetone	4.022	43	4985	13.500	ug/l #	68
17) Carbon Disulfide	4.264	76	9390	2.621	ug/l	99
18) Methyl Acetate	4.564	43	4083	2.943	ug/l #	66
19) Methyl tert-butyl Ether	5.316	73	11854	2.882	ug/l	95
20) Methylene Chloride	4.799	84	14914	4.883	ug/l #	88
21) trans-1,2-Dichloroethene	5.299	96	2943	1.651	ug/l	85
22) Diisopropyl ether	6.210	45	11185	2.344	ug/l #	90
23) Vinyl Acetate	6.158	43	22844	9.676	ug/l	99
24) 1,1-Dichloroethane	6.111	63	10373	3.224	ug/l #	78
25) 2-Butanone	7.093	43	8306	16.807	ug/l #	80
26) 2,2-Dichloropropane	7.081	77	9191	3.314	ug/l	84
27) cis-1,2-Dichloroethene	7.075	96	6521	2.967	ug/l	83
28) Bromochloromethane	7.434	49	2684	3.337	ug/l #	77
29) Tetrahydrofuran	7.452	42	3582	12.267	ug/l #	73
30) Chloroform	7.593	83	11121	3.156	ug/l	92
31) Cyclohexane	7.875	56	8735	3.839	ug/l #	45
32) 1,1,1-Trichloroethane	7.793	97	8857	3.115	ug/l	95
36) 1,1-Dichloropropene	8.005	75	6545	2.746	ug/l	89
37) Ethyl Acetate	7.175	43	3040	2.852	ug/l #	80
38) Carbon Tetrachloride	7.993	117	6008	2.632	ug/l #	95
39) Methylcyclohexane	9.275	83	7112	2.584	ug/l	99
40) Benzene	8.246	78	22035	2.930	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	924	1.419	ug/l #	23
42) 1,2-Dichloroethane	8.328	62	6104	3.123	ug/l	90
43) Isopropyl Acetate	8.363	43	5132	2.467	ug/l #	76
44) Trichloroethene	9.022	130	5761	2.811	ug/l	95
45) 1,2-Dichloropropane	9.304	63	5891	3.034	ug/l	98
46) Dibromomethane	9.393	93	2842	2.501	ug/l	88
47) Bromodichloromethane	9.581	83	8733	3.062	ug/l #	85
48) Methyl methacrylate	9.381	41	2538	2.680	ug/l #	69
49) 1,4-Dioxane	9.387	88	368	25.274	ug/l #	70
51) 4-Methyl-2-Pentanone	10.163	43	13746	12.409	ug/l	96
52) Toluene	10.334	92	14040	2.842	ug/l	92
53) t-1,3-Dichloropropene	10.557	75	7183	2.714	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	8505	2.726	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	4717	2.842	ug/l	96
56) Ethyl methacrylate	10.593	69	4325	2.258	ug/l #	91
57) 1,3-Dichloropropane	10.887	76	6772	2.506	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.869	63	7301	9.847	ug/l	96
59) 2-Hexanone	10.922	43	8961	11.337	ug/l	82
60) Dibromochloromethane	11.075	129	5450	2.827	ug/l	85
61) 1,2-Dibromoethane	11.181	107	4748	3.086	ug/l	96
64) Tetrachloroethene	10.810	164	4204	2.829	ug/l #	90
65) Chlorobenzene	11.604	112	16867	3.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	4977	2.551	ug/l	94
67) Ethyl Benzene	11.687	91	24668	2.680	ug/l	91
68) m/p-Xylenes	11.793	106	17092	4.835	ug/l	85
69) o-Xylene	12.122	106	9379	2.744	ug/l	99
70) Styrene	12.134	104	15586	2.605	ug/l	92
71) Bromoform	12.304	173	3144	2.942	ug/l #	93
73) Isopropylbenzene	12.422	105	24152	2.951	ug/l	94
74) N-amyl acetate	12.234	43	4177	2.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	6334	3.605	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	6350	5.919	ug/l #	100
77) Bromobenzene	12.698	156	5231	2.769	ug/l	83
78) n-propylbenzene	12.763	91	25050	2.525	ug/l	95
79) 2-Chlorotoluene	12.851	91	14066	2.586	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	18937	2.862	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.575	75	50335	99.860	ug/l #	17
82) 4-Chlorotoluene	12.945	91	14351	2.525	ug/l	93
83) tert-Butylbenzene	13.163	119	14973	2.570	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	17919	2.650	ug/l	99
85) sec-Butylbenzene	13.340	105	21426	2.407	ug/l	96
86) p-Isopropyltoluene	13.457	119	16720	2.274	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	11521	2.965	ug/l	88
88) 1,4-Dichlorobenzene	13.534	146	13107	3.443	ug/l	90
89) n-Butylbenzene	13.787	91	17660	2.455	ug/l	96
90) Hexachloroethane	14.057	117	3875	2.851	ug/l	91
91) 1,2-Dichlorobenzene	13.828	146	10575	3.089	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.445	75	937	3.740	ug/l	80
93) 1,2,4-Trichlorobenzene	15.092	180	7053	3.374	ug/l	96
94) Hexachlorobutadiene	15.204	225	2631	2.617	ug/l	97
95) Naphthalene	15.334	128	14235	3.145	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	6252	3.333	ug/l	99

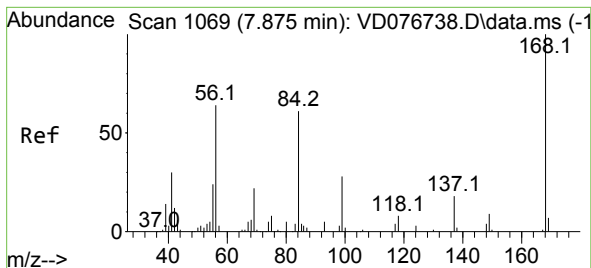
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Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

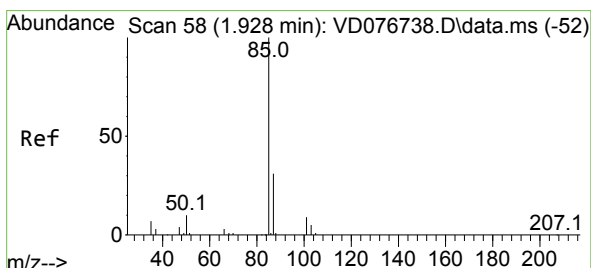
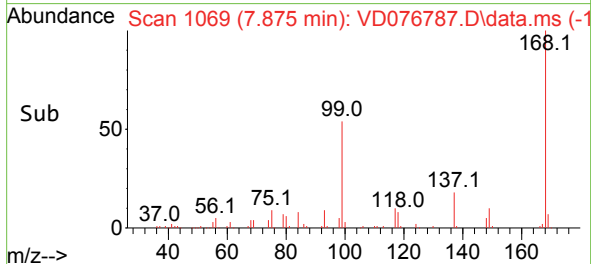
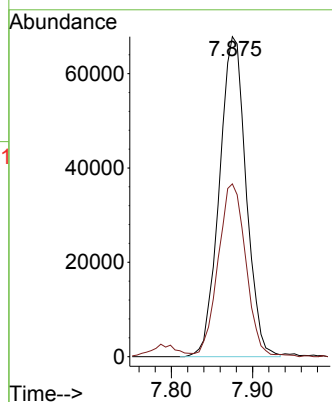
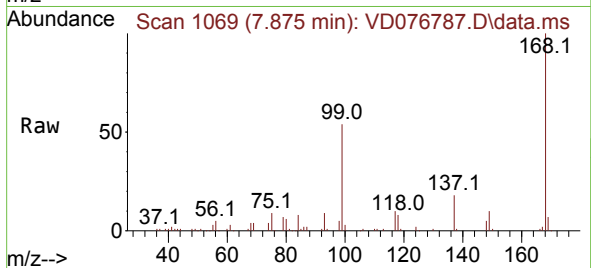
MDL-SOIL-03-QT3-2023

Tgt Ion:168 Resp: 155236

Ion Ratio Lower Upper

168 100

99 53.3 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 3.101 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076787.D

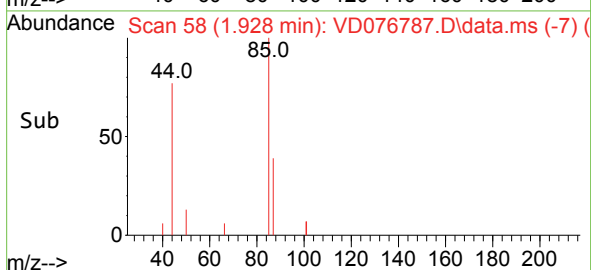
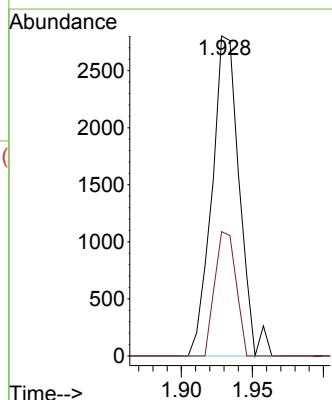
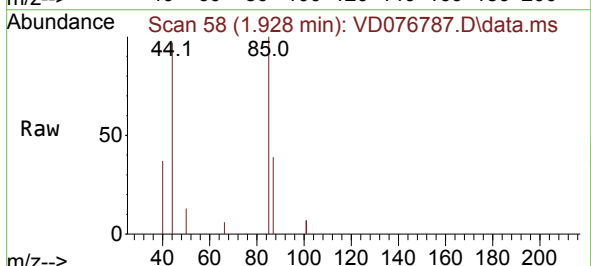
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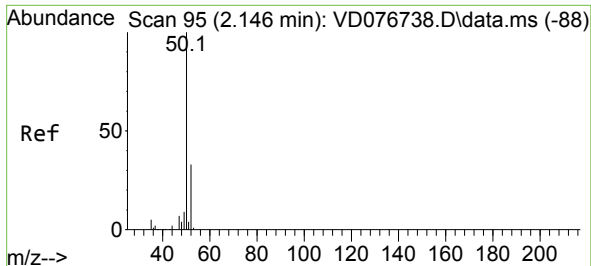
Tgt Ion: 85 Resp: 3764

Ion Ratio Lower Upper

85 100

87 38.8 15.7 47.0

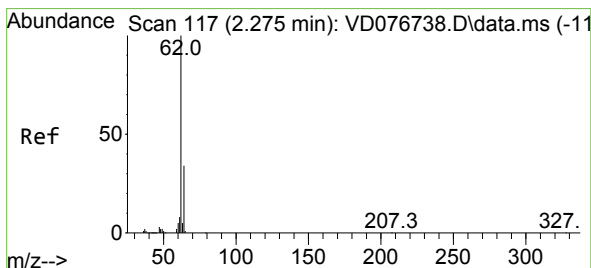
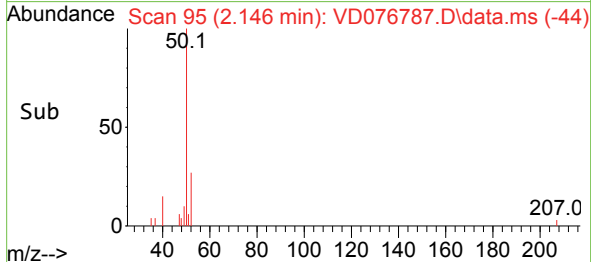
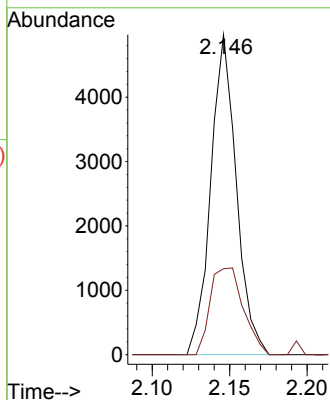
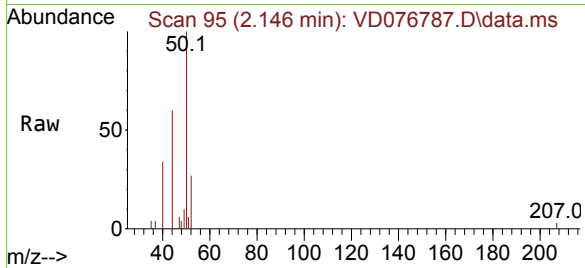




#3
Chloromethane
Concen: 2.725 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

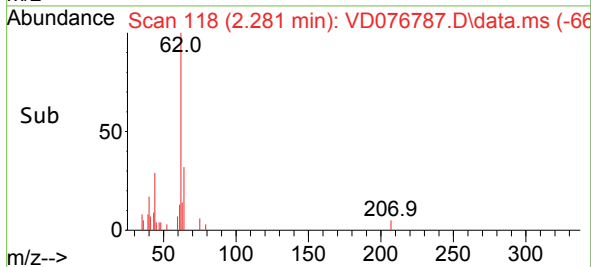
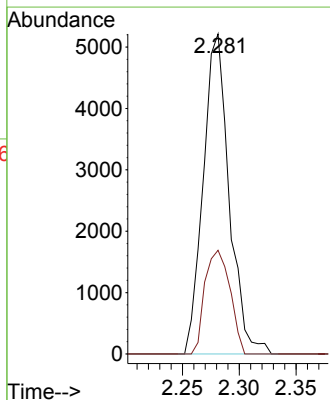
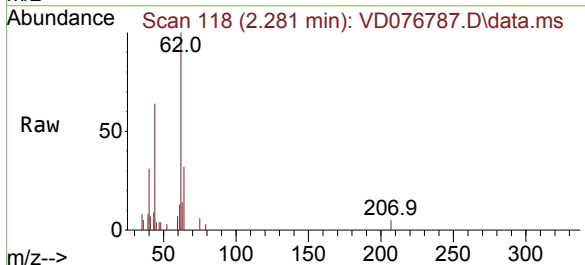
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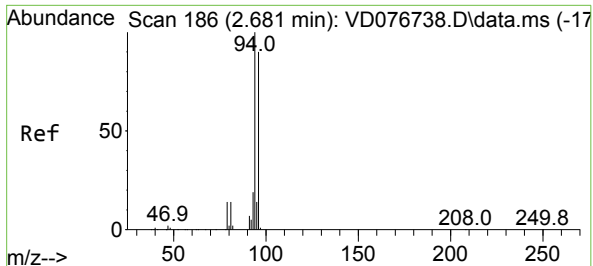
Tgt Ion: 50 Resp: 5707
Ion Ratio Lower Upper
50 100
52 26.8 26.6 40.0



#4
Vinyl Chloride
Concen: 2.967 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 62 Resp: 8281
Ion Ratio Lower Upper
62 100
64 32.4 26.0 39.0

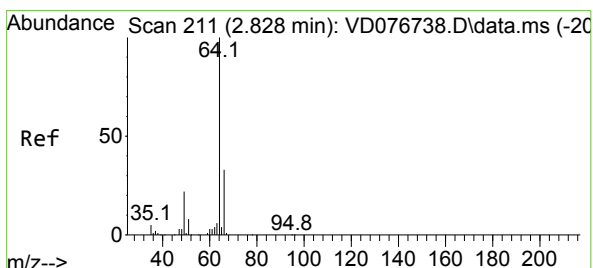
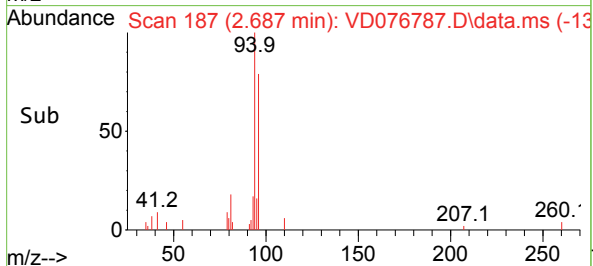
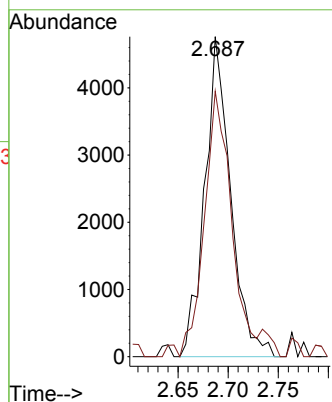
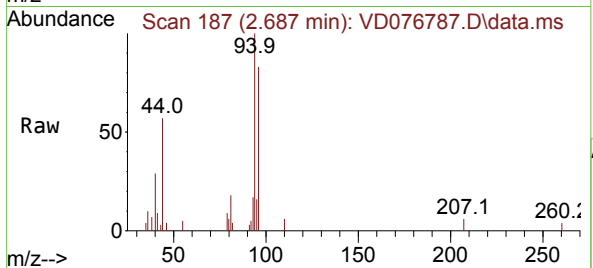




#5
Bromomethane
Concen: 3.721 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

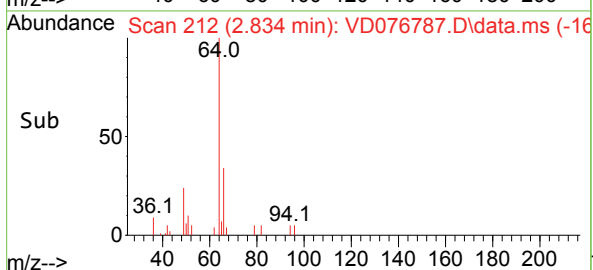
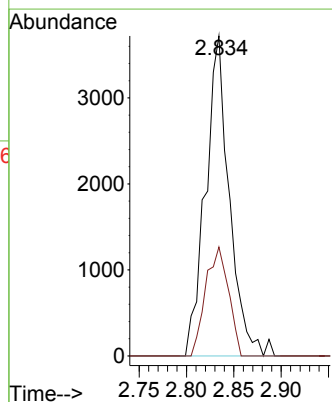
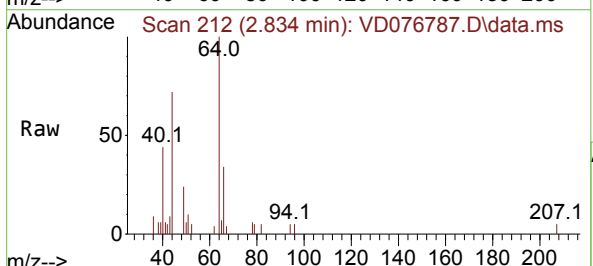
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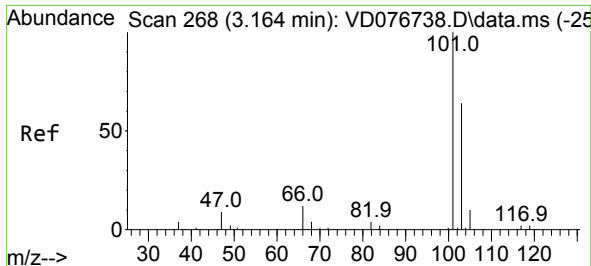
Tgt Ion: 94 Resp: 8546
Ion Ratio Lower Upper
94 100
96 87.2 75.8 113.8



#6
Chloroethane
Concen: 3.087 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 64 Resp: 6506
Ion Ratio Lower Upper
64 100
66 34.0 25.5 38.3

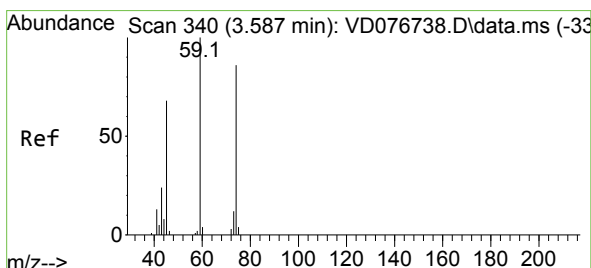
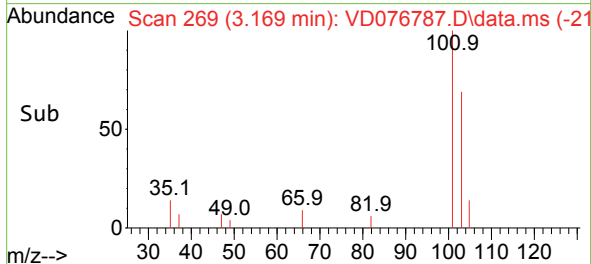
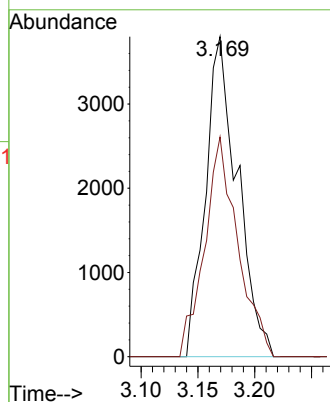
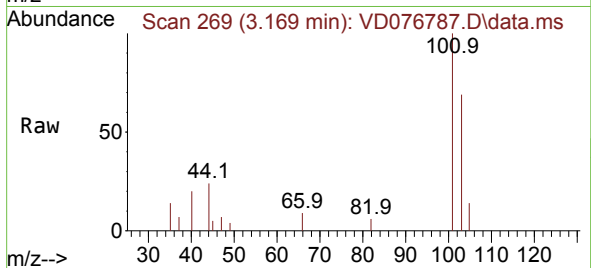




#7
Trichlorofluoromethane
Concen: 2.993 ug/l
RT: 3.169 min Scan# 268
Delta R.T. 0.005 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

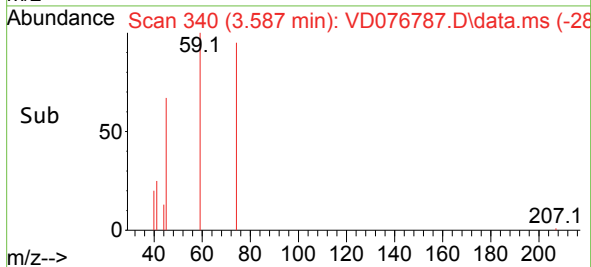
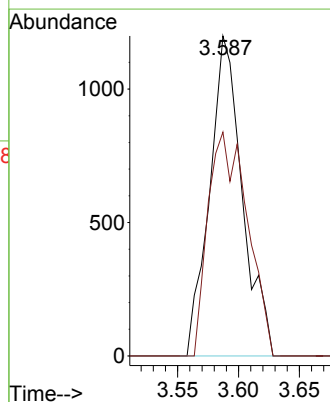
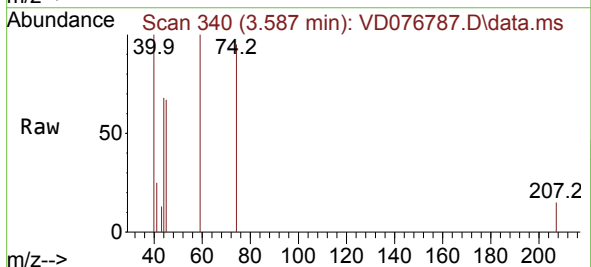
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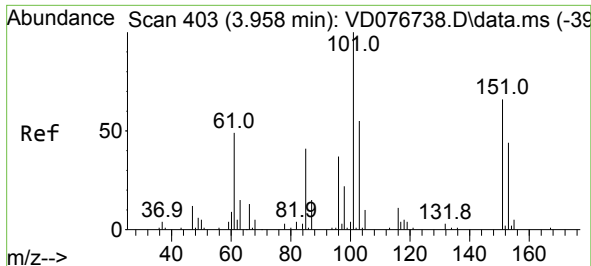
Tgt Ion:101 Resp: 7434
Ion Ratio Lower Upper
101 100
103 68.7 52.3 78.5



#8
Diethyl Ether
Concen: 2.623 ug/l
RT: 3.587 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 74 Resp: 2243
Ion Ratio Lower Upper
74 100
45 84.4 37.5 112.7

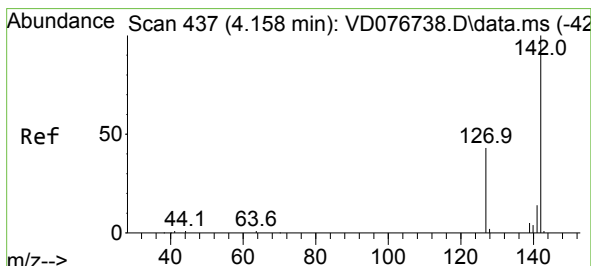
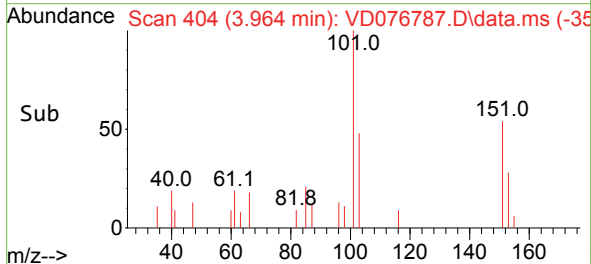
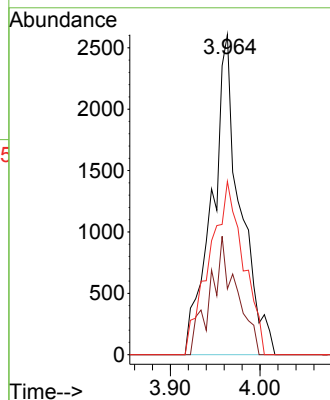
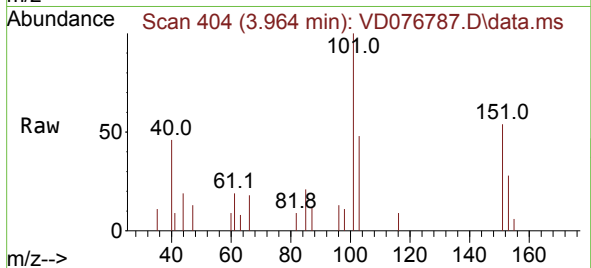




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.466 ug/l
RT: 3.964 min Scan# 403
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

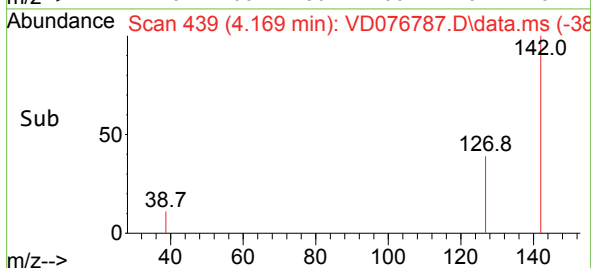
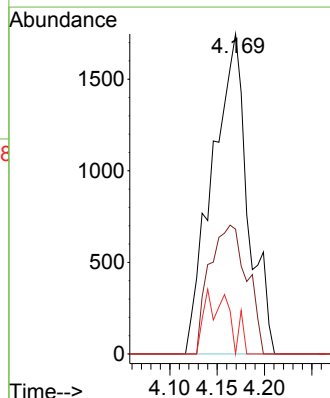
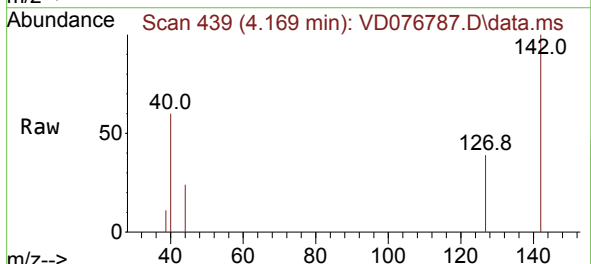
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

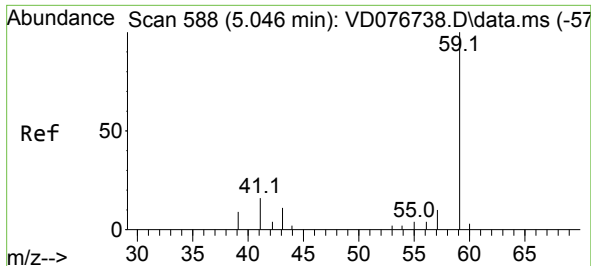
Tgt Ion:	101	Resp:	5659
Ion	Ratio	Lower	Upper
101	100		
85	34.7	33.8	50.6
151	65.8	59.8	89.6



#10
Methyl Iodide
Concen: 2.482 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:	142	Resp:	4569
Ion	Ratio	Lower	Upper
142	100		
127	42.4	29.4	44.0
141	0.0	11.1	16.7

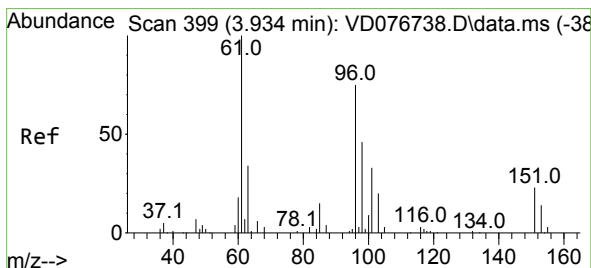
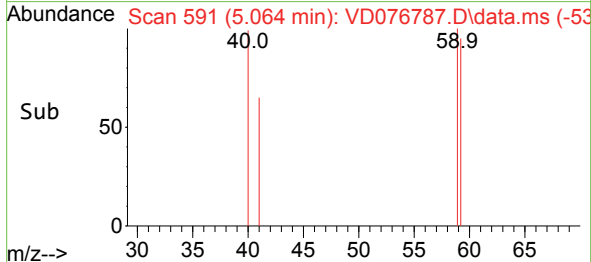
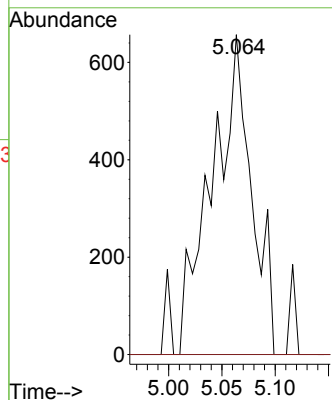
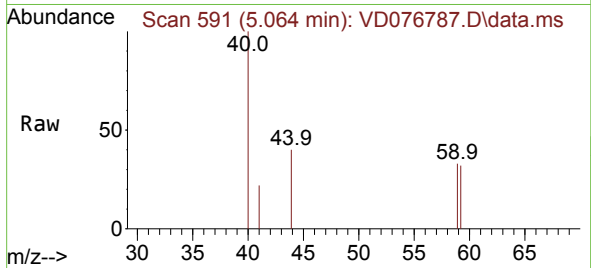




#11
Tert butyl alcohol
Concen: 14.777 ug/l
RT: 5.064 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

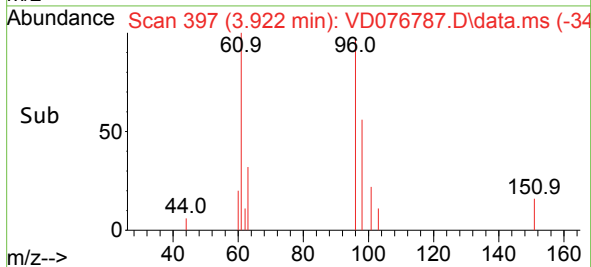
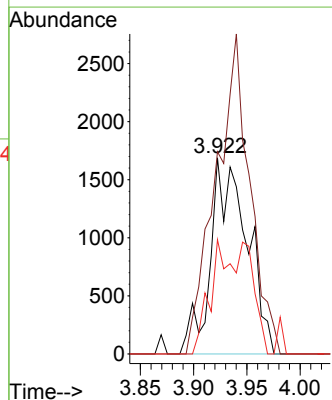
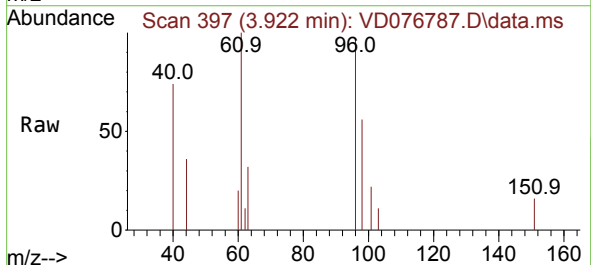
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

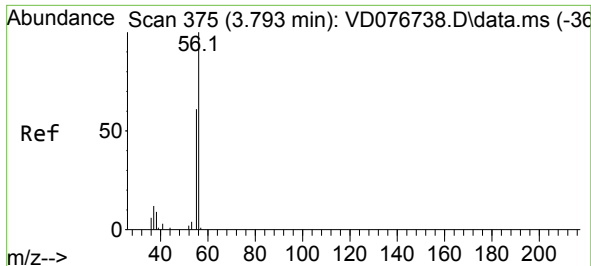
Tgt Ion: 59 Resp: 1705
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.624 ug/l
RT: 3.922 min Scan# 397
Delta R.T. -0.012 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 96 Resp: 4025
Ion Ratio Lower Upper
96 100
61 103.1 100.6 150.8
98 58.2 50.2 75.2





#13

Acrolein

Concen: 13.443 ug/l

RT: 3.805 min Scan# 31

Delta R.T. 0.012 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

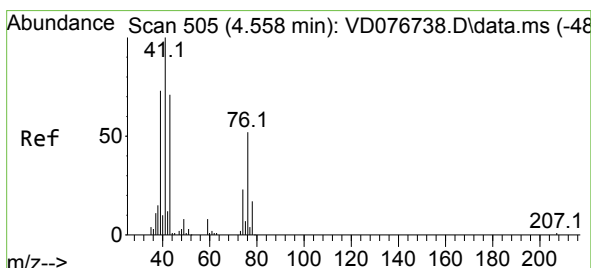
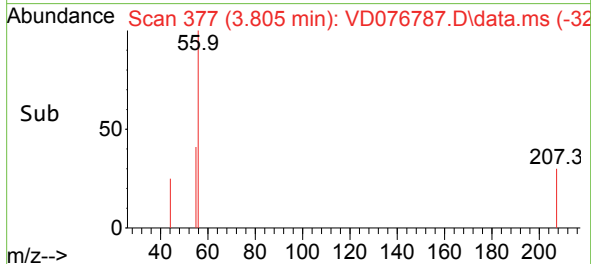
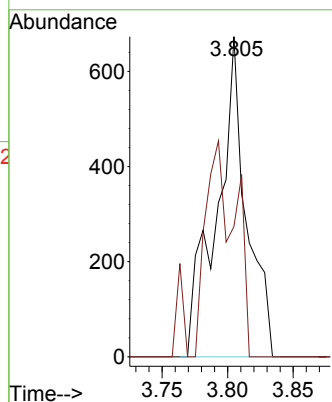
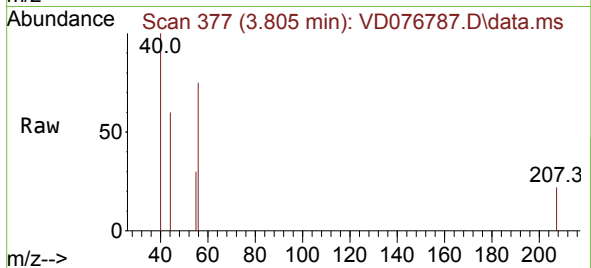
MDL-SOIL-03-QT3-2023

Tgt Ion: 56 Resp: 1057

Ion Ratio Lower Upper

56 100

55 66.7 55.1 82.7



#14

Allyl chloride

Concen: 2.515 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

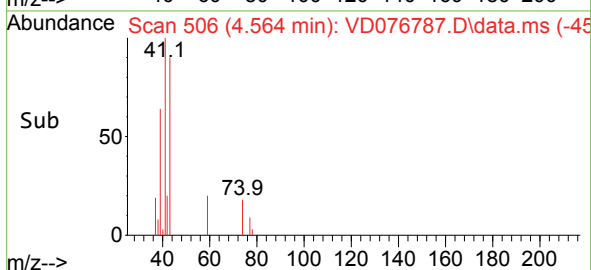
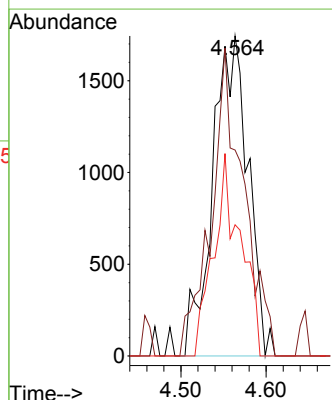
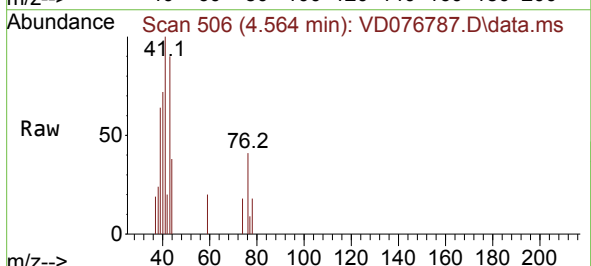
Tgt Ion: 41 Resp: 5067

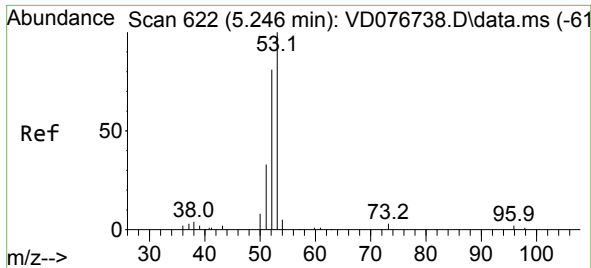
Ion Ratio Lower Upper

41 100

39 87.3 53.8 80.6#

76 48.3 45.8 68.8

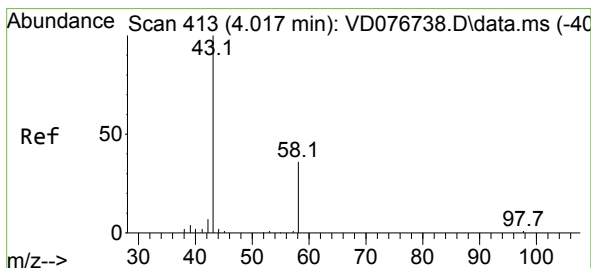
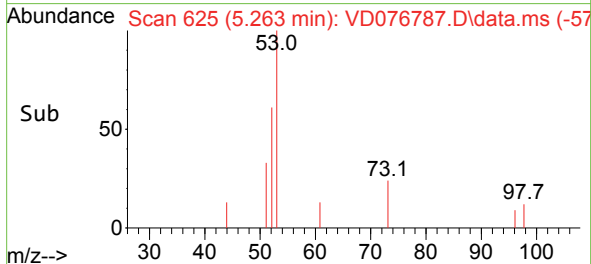
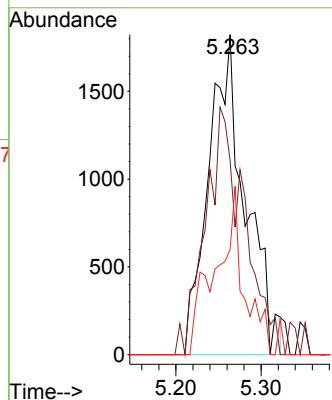
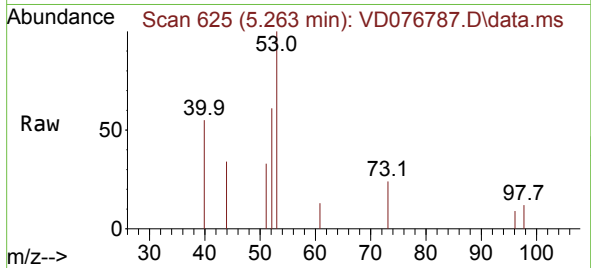




#15
Acrylonitrile
Concen: 13.125 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.017 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

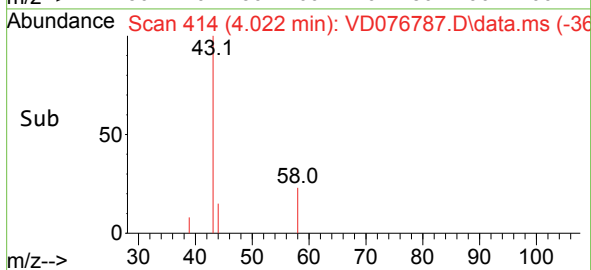
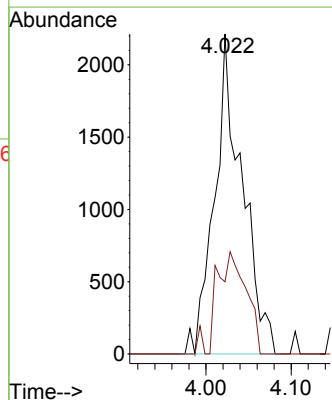
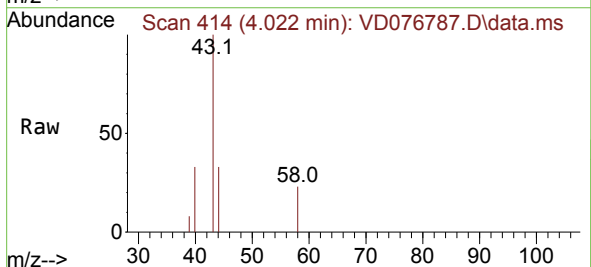
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

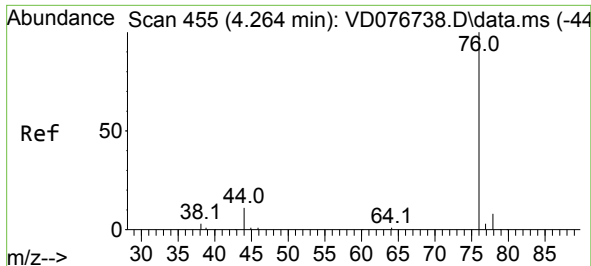
Tgt Ion: 53	Resp:	5513
Ion Ratio	Lower	Upper
53	100	
52	81.2	65.0 97.4
51	30.4	28.3 42.5



#16
Acetone
Concen: 13.500 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 43	Resp:	4985
Ion Ratio	Lower	Upper
43	100	
58	22.6	34.7 52.1#

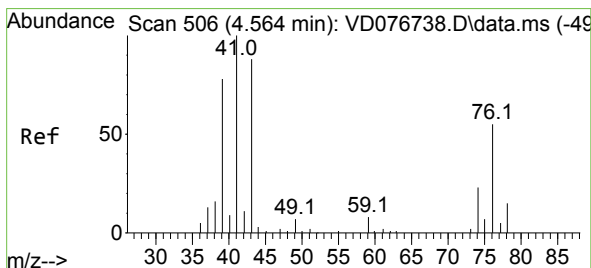
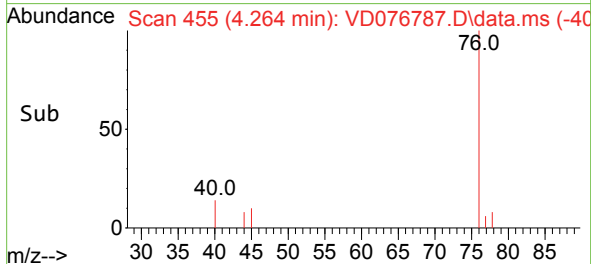
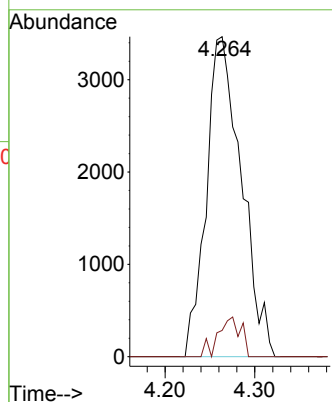
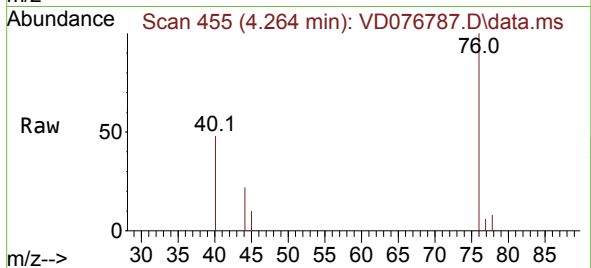




#17
Carbon Disulfide
Concen: 2.621 ug/l
RT: 4.264 min Scan# 411
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

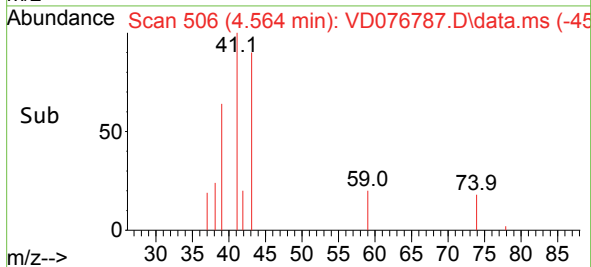
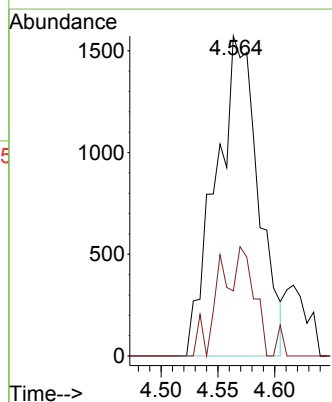
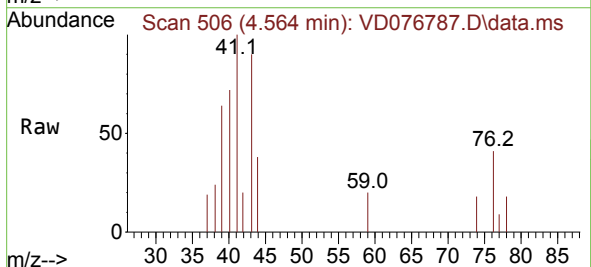
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

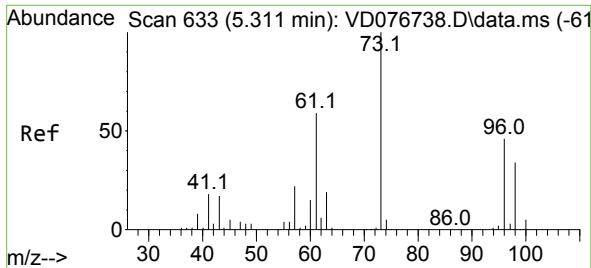
Tgt Ion: 76 Resp: 9390
Ion Ratio Lower Upper
76 100
78 8.2 6.8 10.2



#18
Methyl Acetate
Concen: 2.943 ug/l
RT: 4.564 min Scan# 506
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 43 Resp: 4083
Ion Ratio Lower Upper
43 100
74 13.7 26.4 39.6#

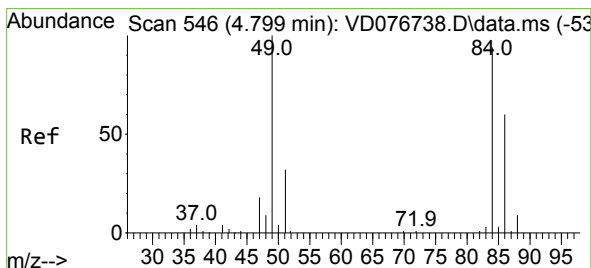
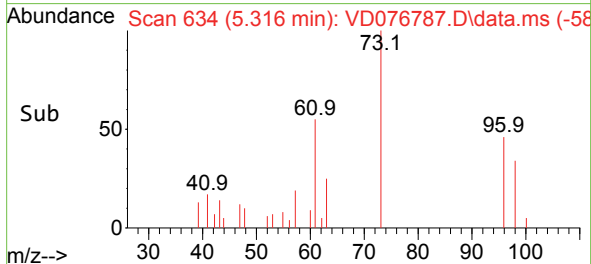
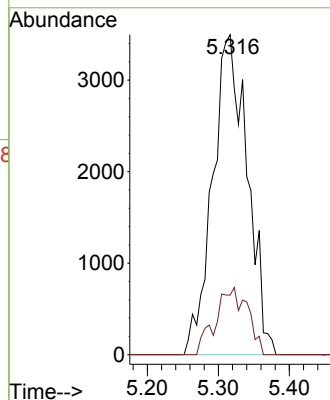
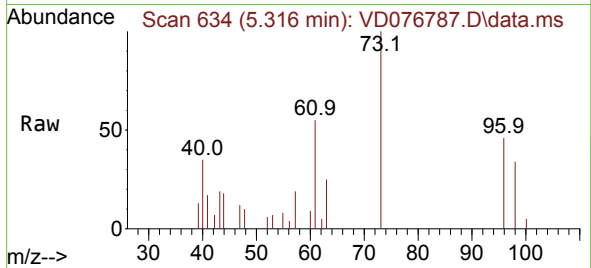




#19
Methyl tert-butyl Ether
Concen: 2.882 ug/l
RT: 5.316 min Scan# 61
Delta R.T. 0.005 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

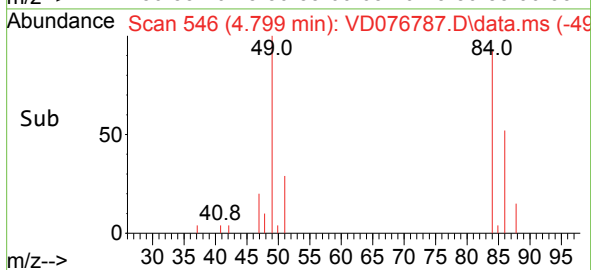
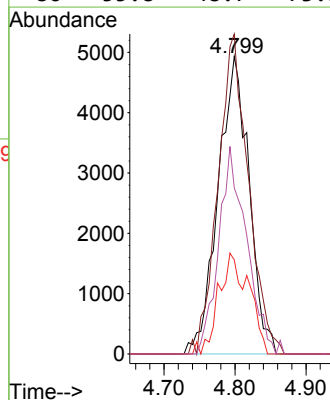
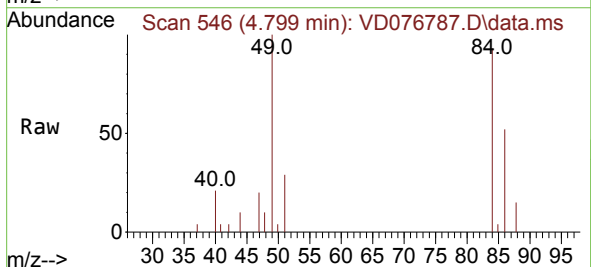
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

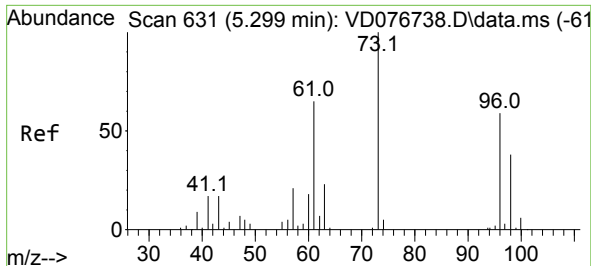
Tgt Ion: 73 Resp: 11854
Ion Ratio Lower Upper
73 100
57 18.6 16.6 25.0



#20
Methylene Chloride
Concen: 4.883 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 84 Resp: 14914
Ion Ratio Lower Upper
84 100
49 107.5 71.4 107.2#
51 31.6 24.5 36.7
86 55.8 48.7 73.1

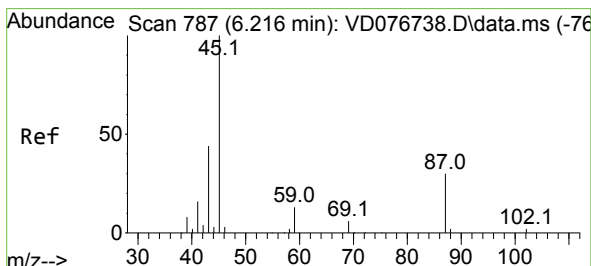
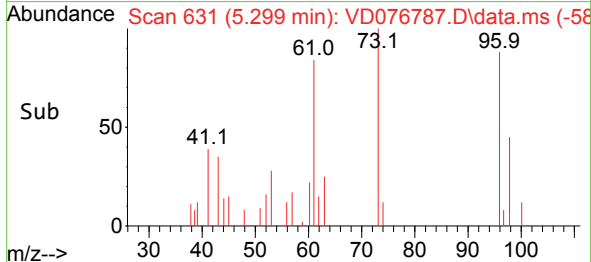
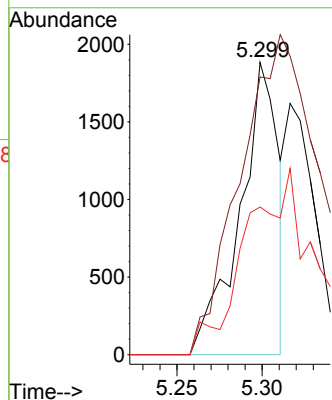
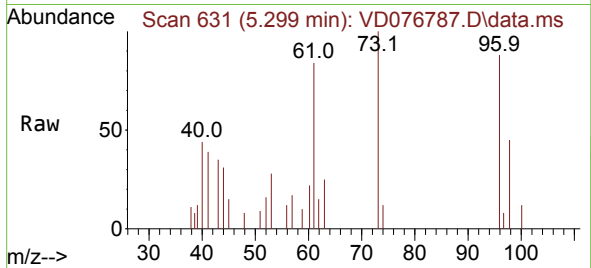




#21
trans-1,2-Dichloroethene
Concen: 1.651 ug/l
RT: 5.299 min Scan# 611
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

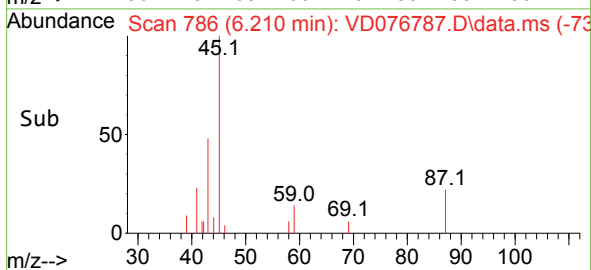
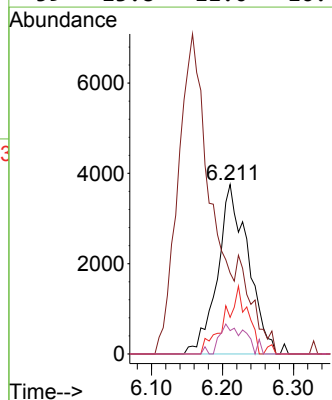
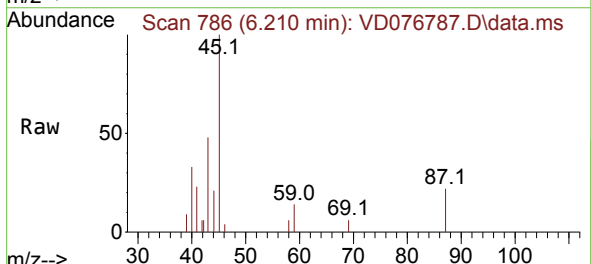
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

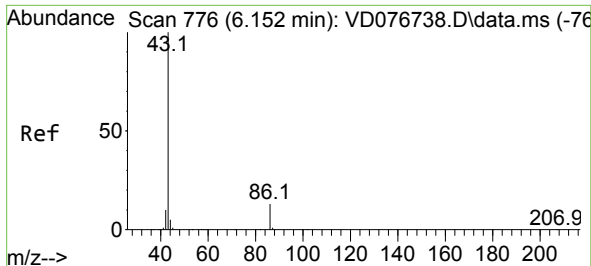
Tgt Ion: 96	Resp: 2943
Ion Ratio	Lower Upper
96 100	
61 95.0	89.3 133.9
98 50.5	48.6 73.0



#22
Diisopropyl ether
Concen: 2.344 ug/l
RT: 6.210 min Scan# 786
Delta R.T. -0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 45	Resp: 11185
Ion Ratio	Lower Upper
45 100	
43 47.7	40.0 60.0
87 21.6	28.2 42.4#
59 13.8	11.0 16.4

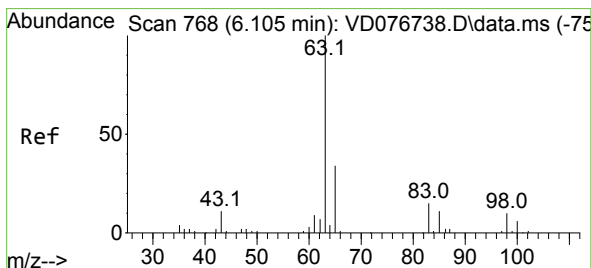
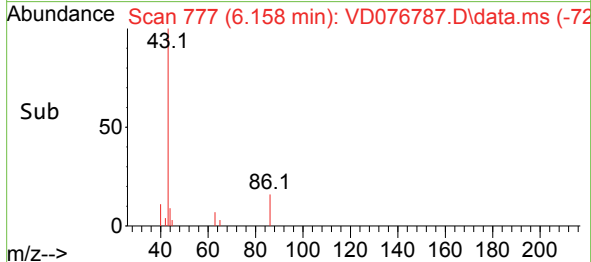
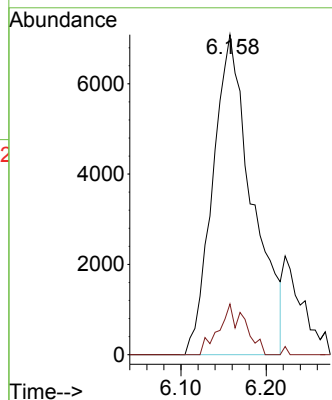
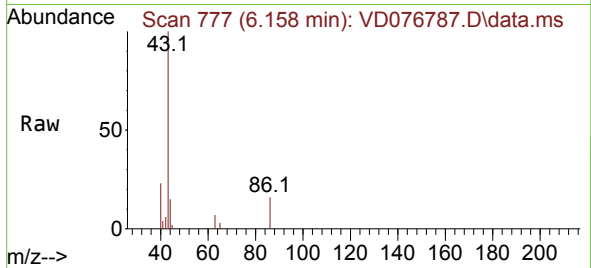




#23
 Vinyl Acetate
 Concen: 9.676 ug/l
 RT: 6.158 min Scan# 777
 Delta R.T. 0.006 min
 Lab File: VD076787.D
 Acq: 19 Jul 2023 13:34

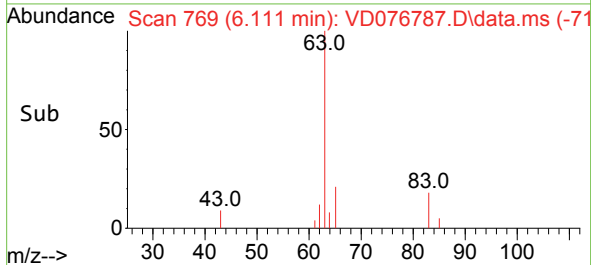
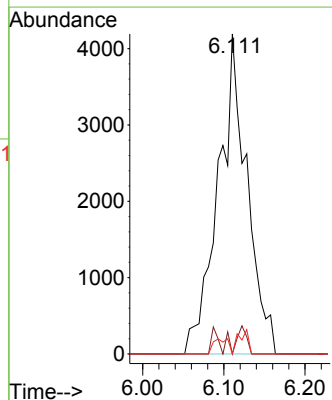
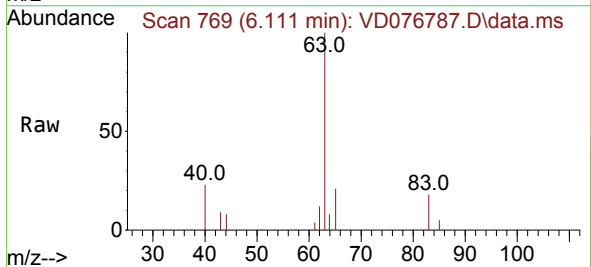
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

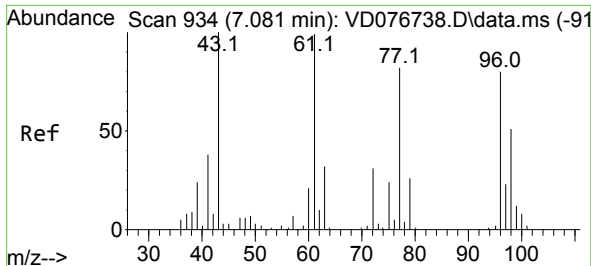
Tgt Ion: 43 Resp: 22844
 Ion Ratio Lower Upper
 43 100
 86 15.9 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 3.224 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076787.D
 Acq: 19 Jul 2023 13:34

Tgt Ion: 63 Resp: 10373
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.5 13.7#
 100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 16.807 ug/l

RT: 7.093 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

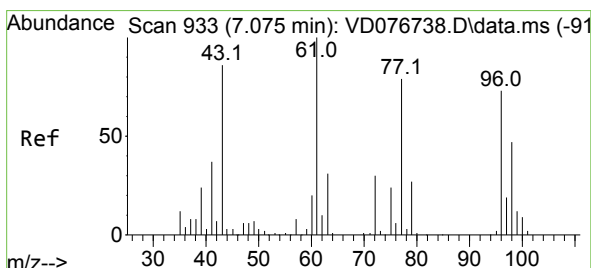
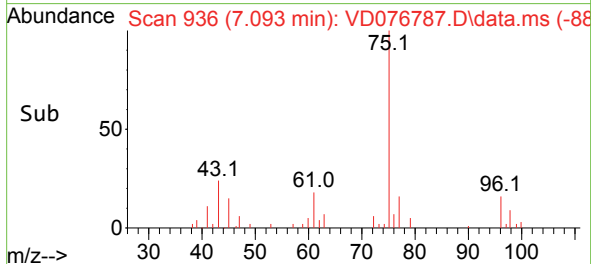
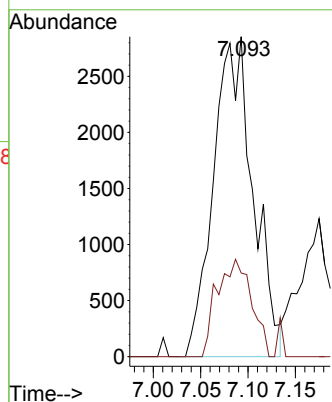
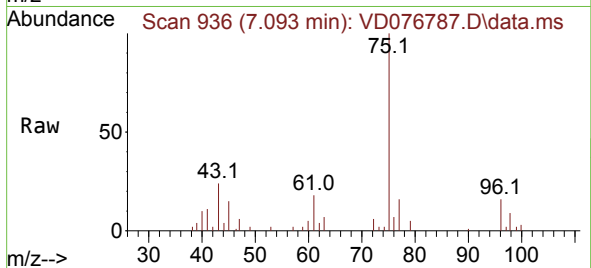
MDL-SOIL-03-QT3-2023

Tgt Ion: 43 Resp: 8306

Ion Ratio Lower Upper

43 100

72 26.1 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 3.314 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD076787.D

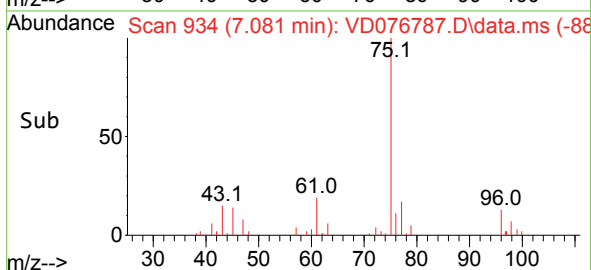
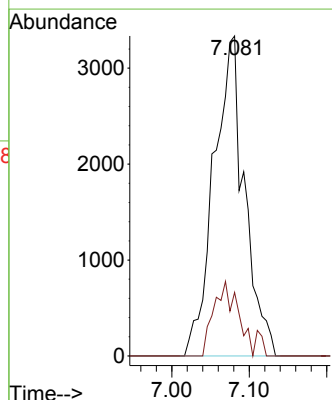
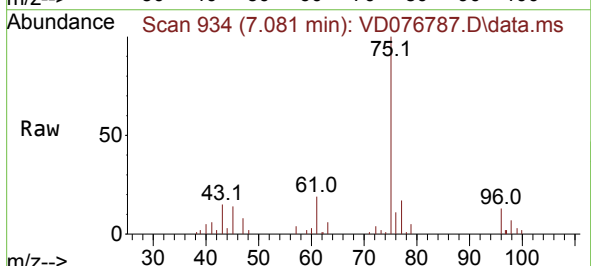
Acq: 19 Jul 2023 13:34

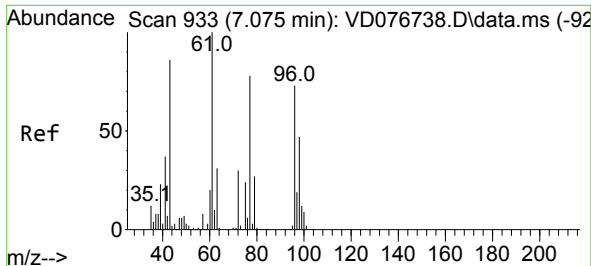
Tgt Ion: 77 Resp: 9191

Ion Ratio Lower Upper

77 100

97 18.3 13.2 39.6

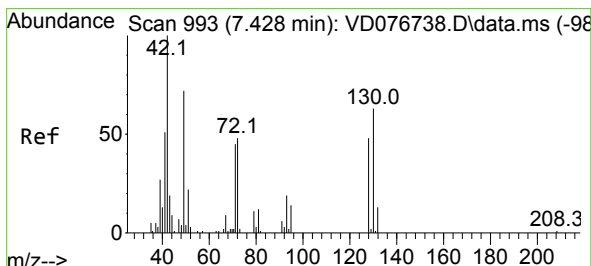
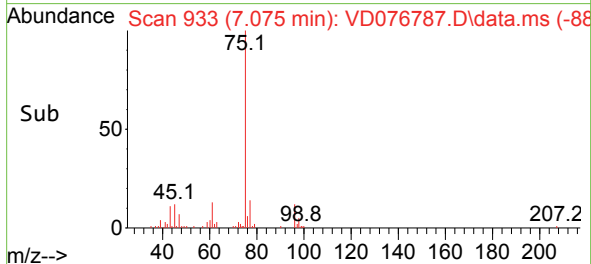
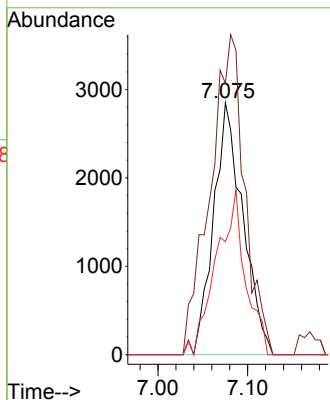
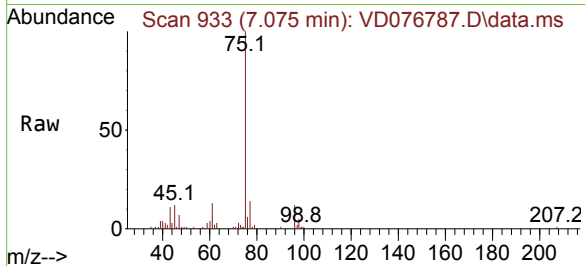




#27
 cis-1,2-Dichloroethene
 Concen: 2.967 ug/l
 RT: 7.075 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD076787.D
 Acq: 19 Jul 2023 13:34

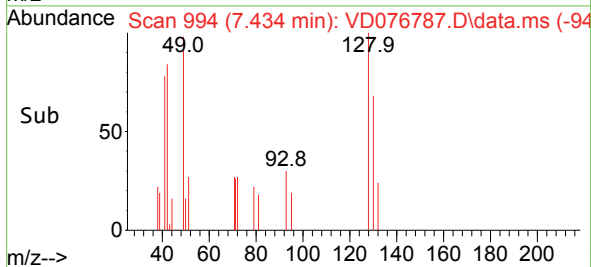
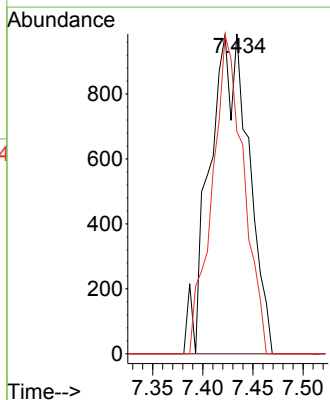
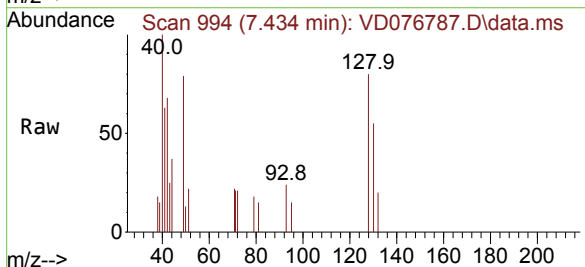
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

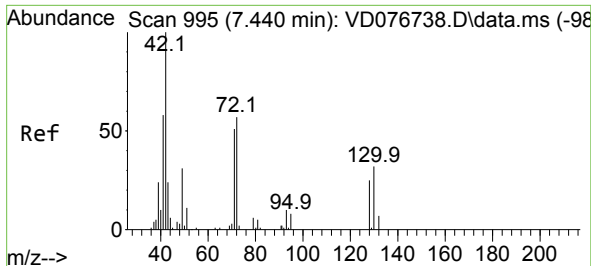
Tgt Ion: 96 Resp: 6521
 Ion Ratio Lower Upper
 96 100
 61 148.4 0.0 239.2
 98 64.3 0.0 128.6



#28
 Bromochloromethane
 Concen: 3.337 ug/l
 RT: 7.434 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VD076787.D
 Acq: 19 Jul 2023 13:34

Tgt Ion: 49 Resp: 2684
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.0
 130 80.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 12.267 ug/l

RT: 7.452 min Scan# 995

Delta R.T. 0.012 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

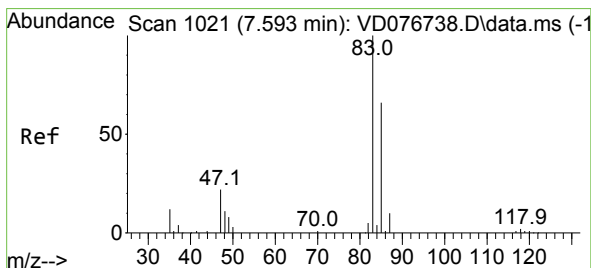
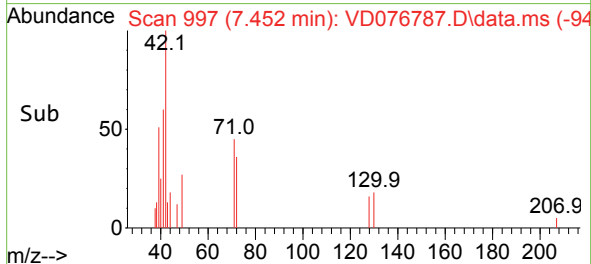
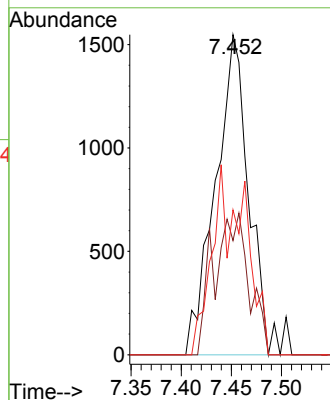
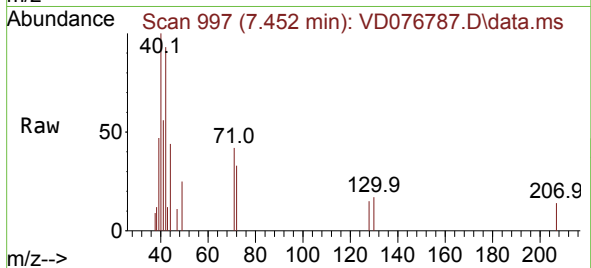
Tgt Ion: 42 Resp: 3582

Ion Ratio Lower Upper

42 100

72 46.6 46.5 69.7

71 27.4 44.5 66.7#



#30

Chloroform

Concen: 3.156 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076787.D

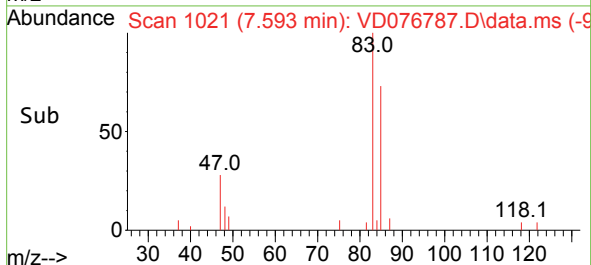
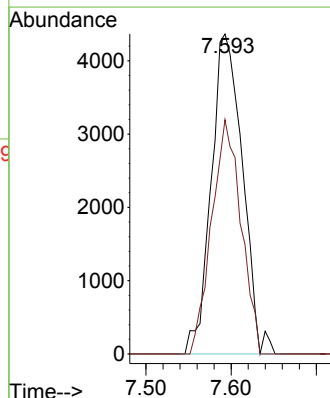
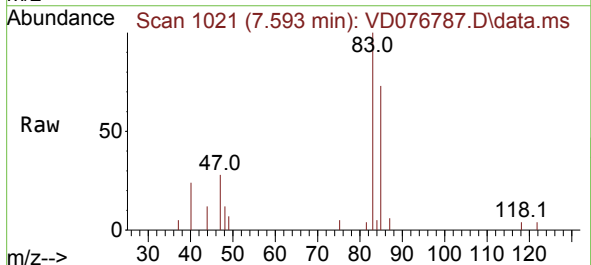
Acq: 19 Jul 2023 13:34

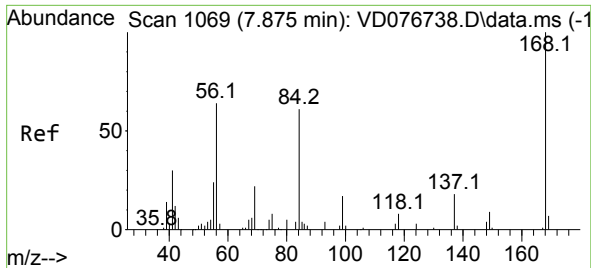
Tgt Ion: 83 Resp: 11121

Ion Ratio Lower Upper

83 100

85 73.2 53.4 80.2

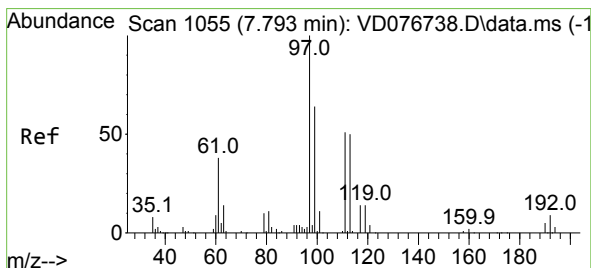
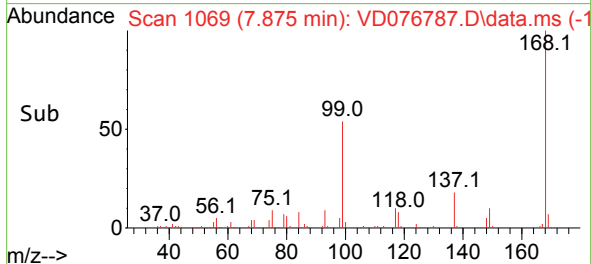
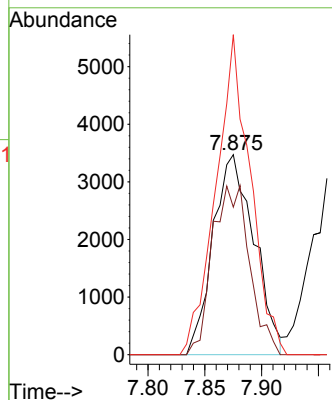
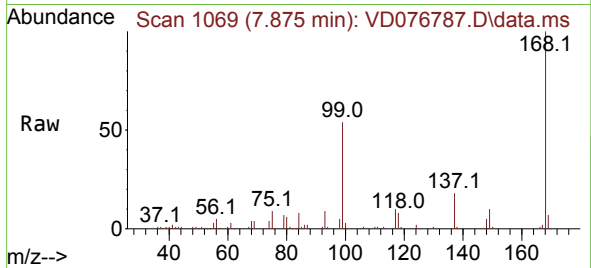




#31
Cyclohexane
Concen: 3.839 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

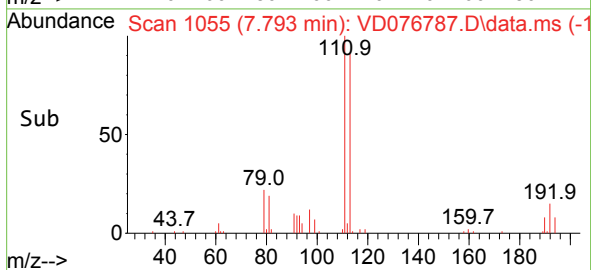
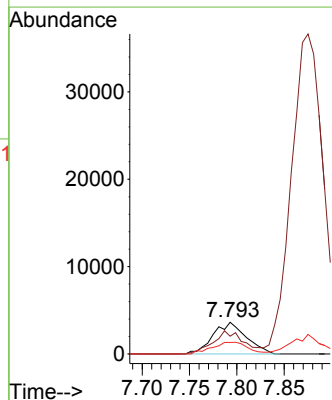
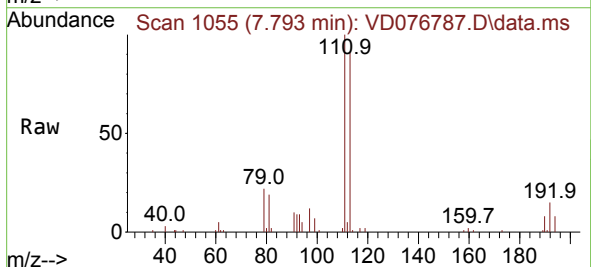
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

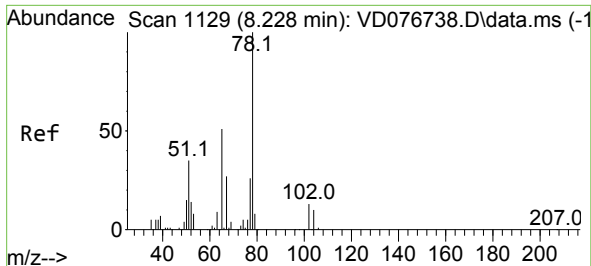
Tgt Ion: 56 Resp: 8735
Ion Ratio Lower Upper
56 100
69 73.8 28.6 43.0#
84 160.1 84.8 127.2#



#32
1,1,1-Trichloroethane
Concen: 3.115 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 97 Resp: 8857
Ion Ratio Lower Upper
97 100
99 68.7 52.0 78.0
61 39.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.923 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

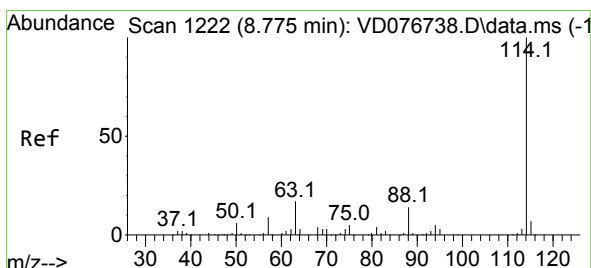
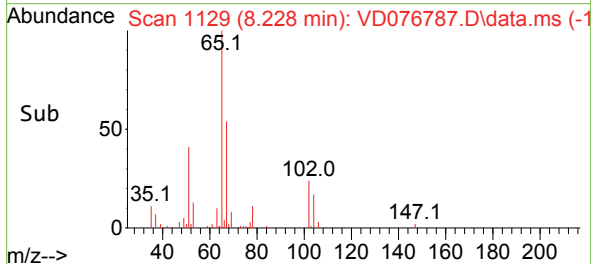
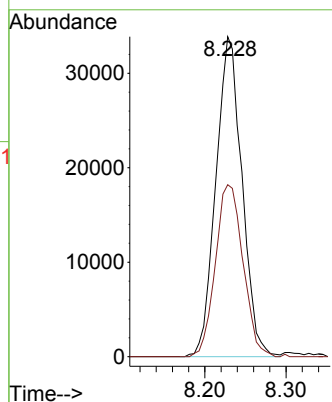
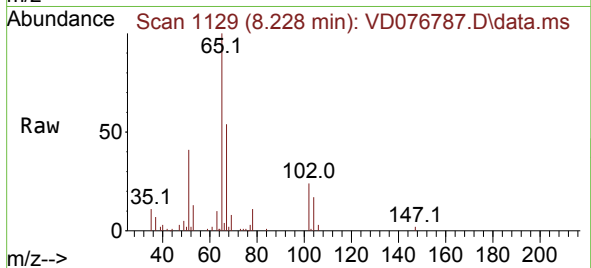
MDL-SOIL-03-QT3-2023

Tgt Ion: 65 Resp: 75644

Ion Ratio Lower Upper

65 100

67 56.8 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: VD076787.D

Acq: 19 Jul 2023 13:34

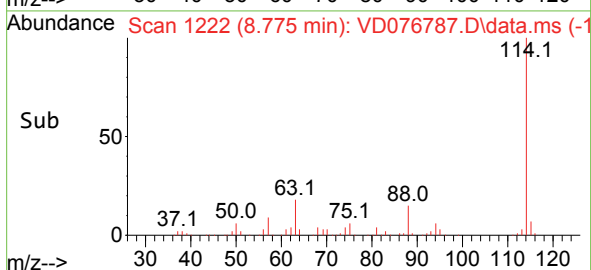
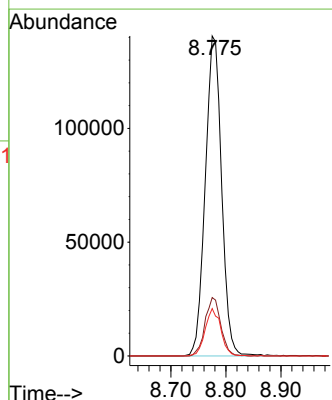
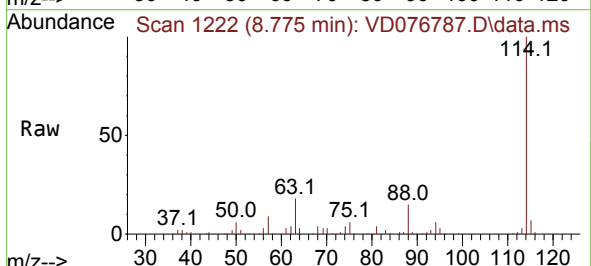
Tgt Ion: 114 Resp: 290295

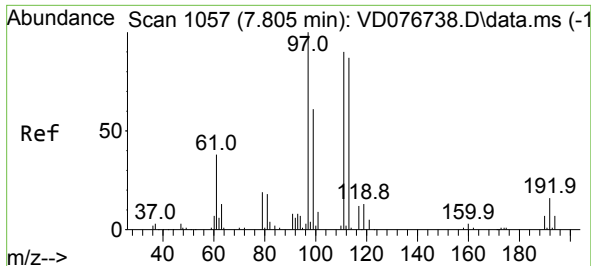
Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

88 14.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.973 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076787.D

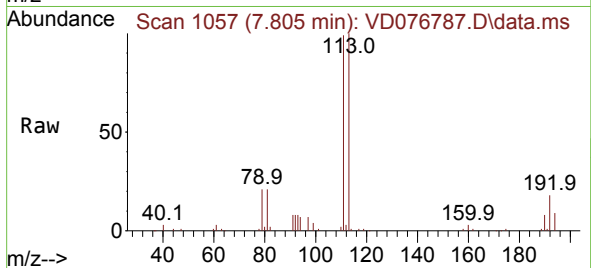
Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



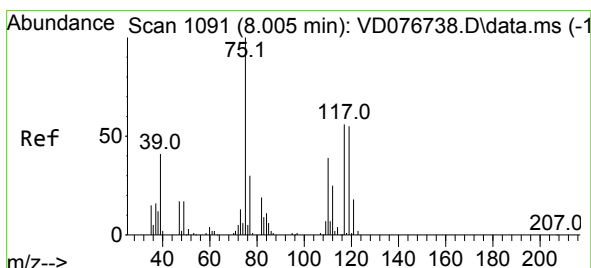
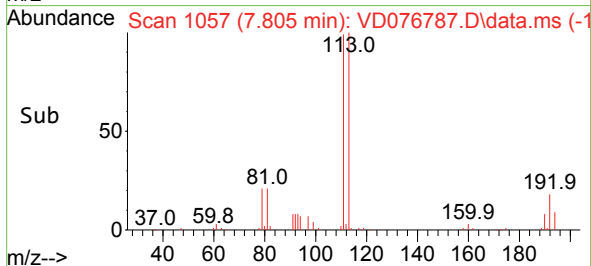
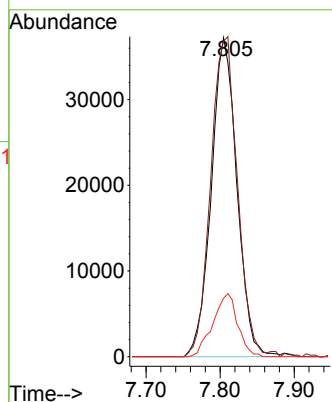
Tgt Ion:113 Resp: 89339

Ion Ratio Lower Upper

113 100

111 104.5 84.7 127.1

192 19.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 2.746 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

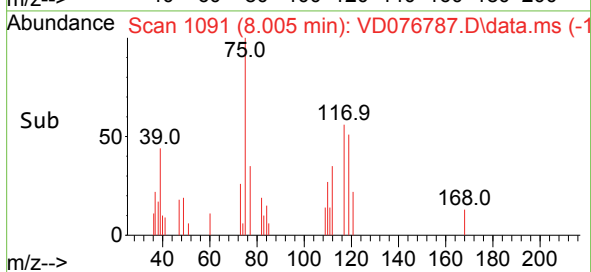
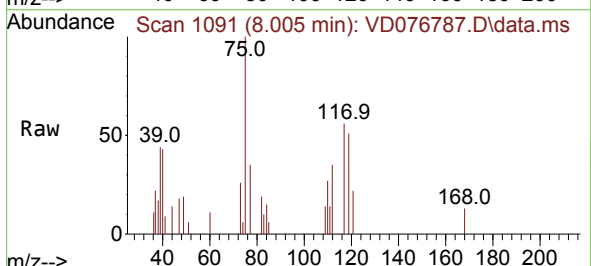
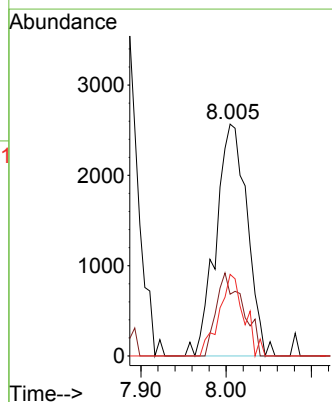
Tgt Ion: 75 Resp: 6545

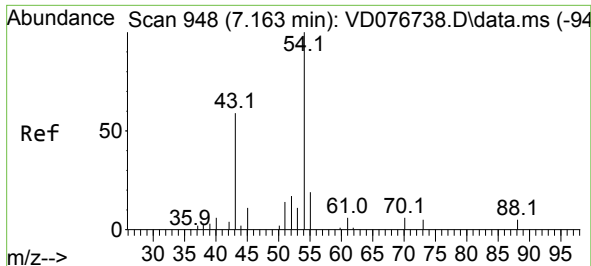
Ion Ratio Lower Upper

75 100

110 30.4 19.9 59.6

77 28.0 24.7 37.1





#37

Ethyl Acetate

Concen: 2.852 ug/l

RT: 7.175 min Scan# 948

Delta R.T. 0.012 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

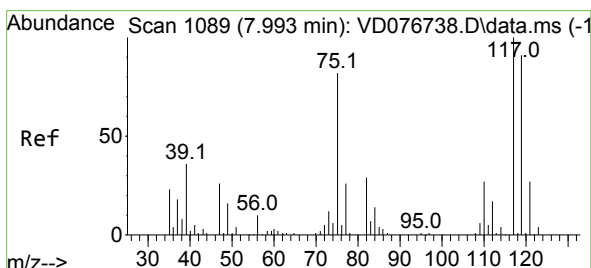
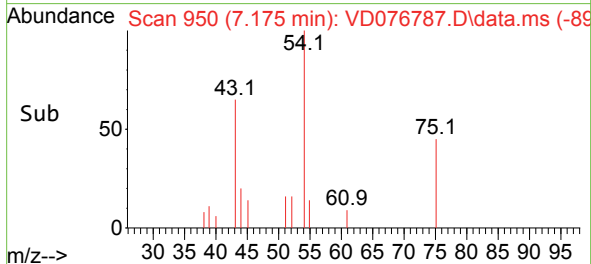
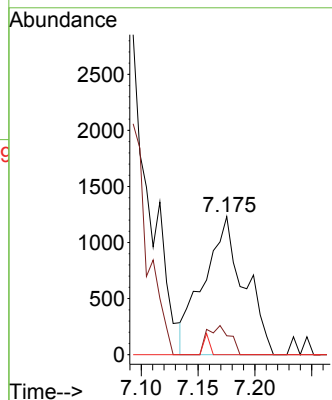
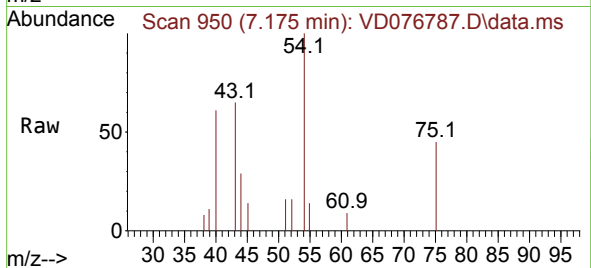
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 43	Resp: 3040
Ion Ratio	Lower Upper
43	100
61	11.7 14.9 22.3#
70	2.2 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 2.632 ug/l

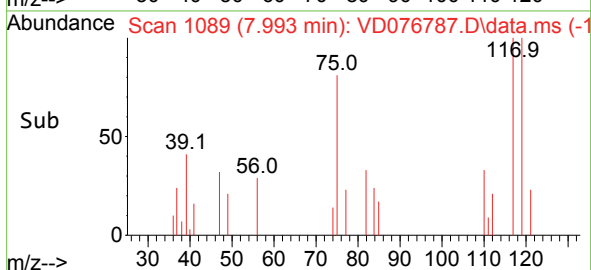
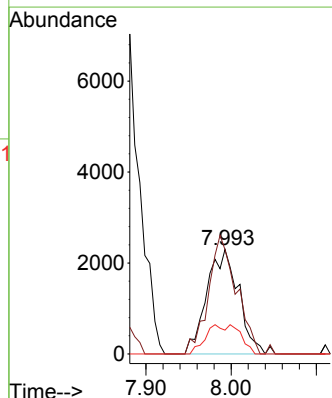
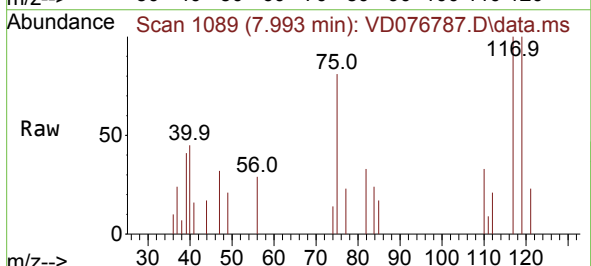
RT: 7.993 min Scan# 1089

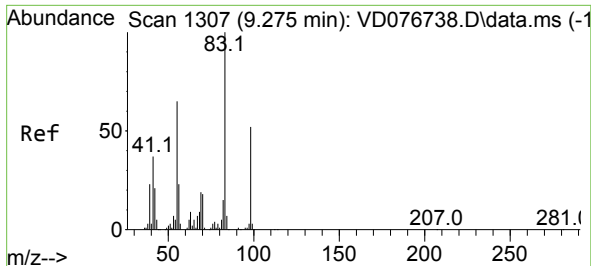
Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Tgt Ion: 117	Resp: 6008
Ion Ratio	Lower Upper
117	100
119	99.9 78.0 117.0
121	22.8 24.2 36.2#





#39

Methylcyclohexane

Concen: 2.584 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD076787.D

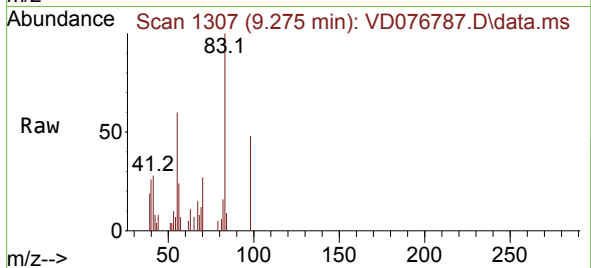
Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



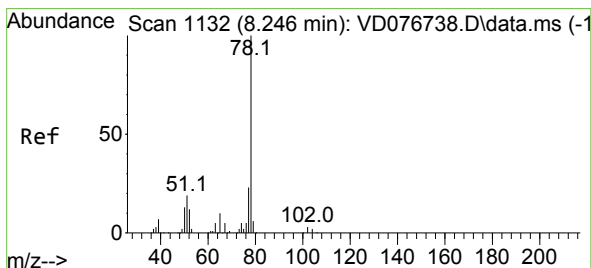
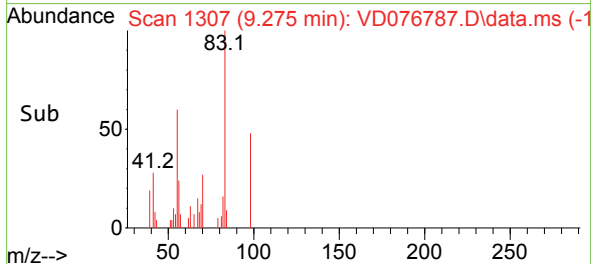
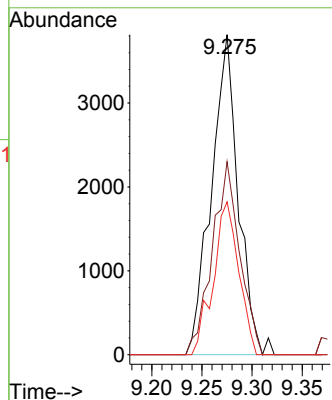
Tgt Ion: 83 Resp: 7112

Ion Ratio Lower Upper

83 100

55 60.3 49.4 74.0

98 47.7 38.4 57.6



#40

Benzene

Concen: 2.930 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076787.D

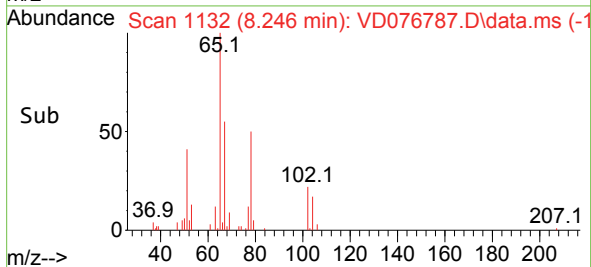
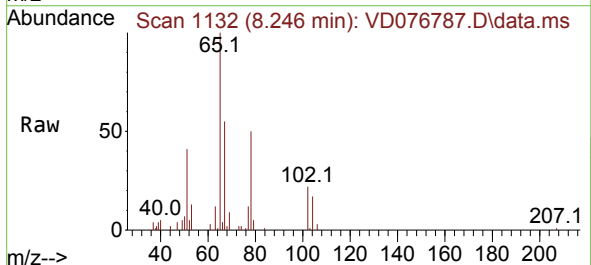
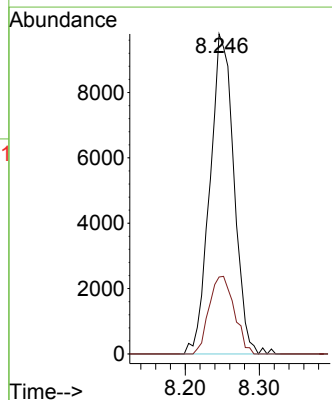
Acq: 19 Jul 2023 13:34

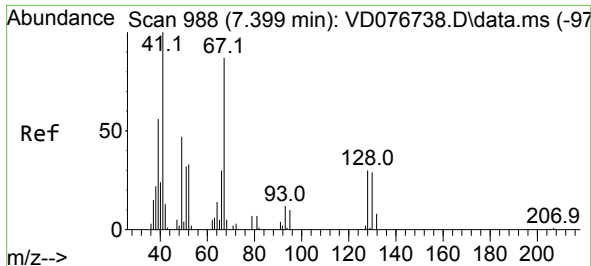
Tgt Ion: 78 Resp: 22035

Ion Ratio Lower Upper

78 100

77 24.0 19.4 29.0

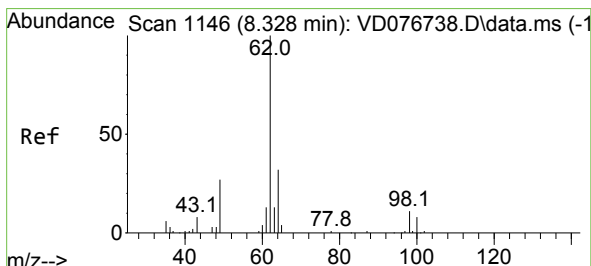
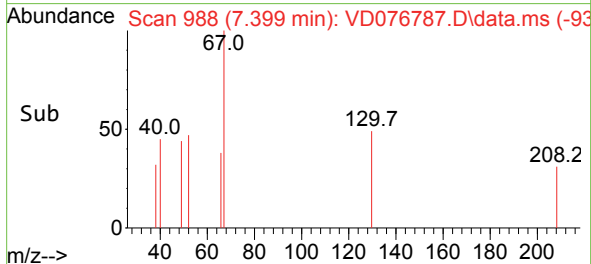
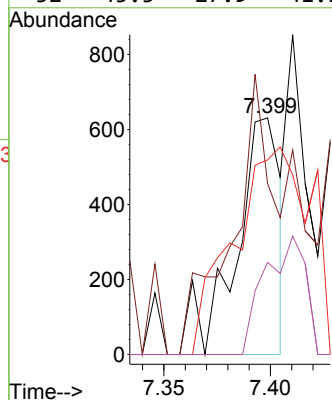
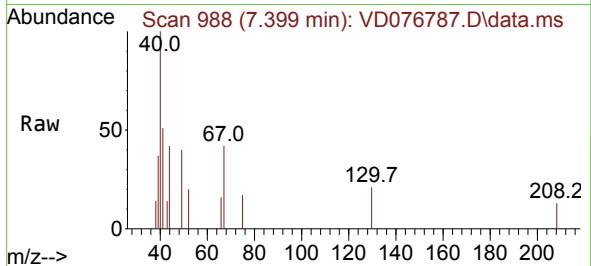




#41
Methacrylonitrile
Concen: 1.419 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

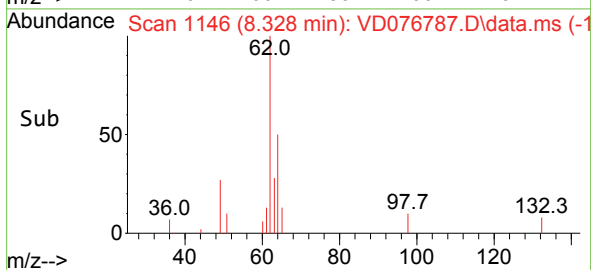
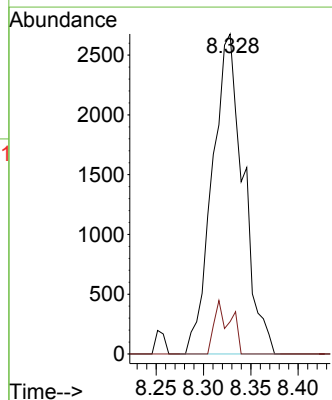
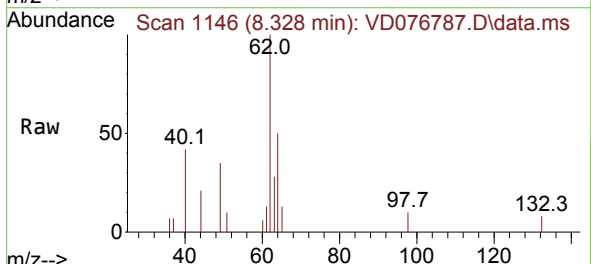
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

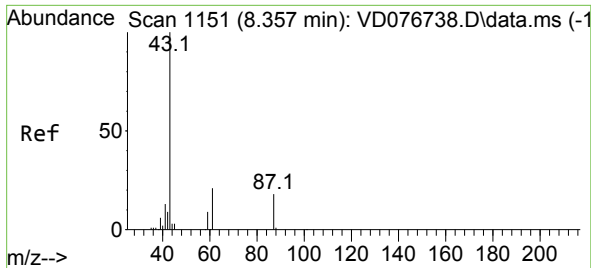
Tgt Ion:	41	Resp:	924
Ion	Ratio	Lower	Upper
41	100		
39	152.7	34.0	51.0#
67	150.4	77.0	115.4#
52	45.5	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 3.123 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:	62	Resp:	6104
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	25.4

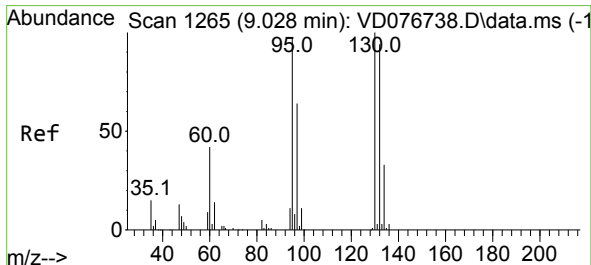
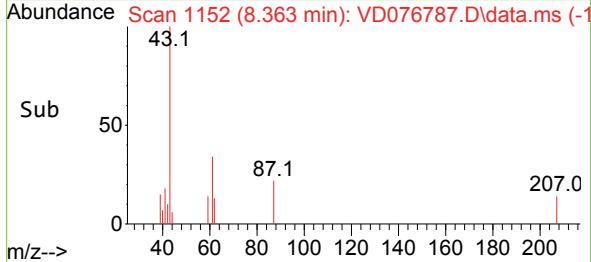
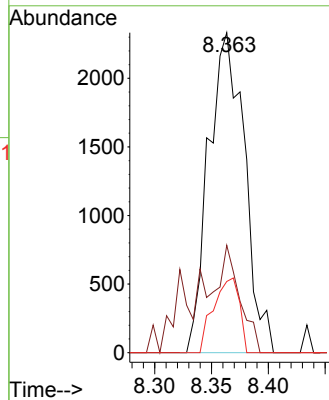
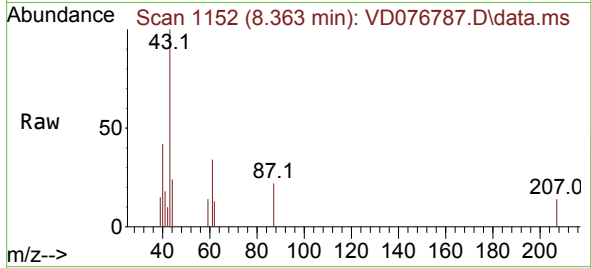




#43
Isopropyl Acetate
Concen: 2.467 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

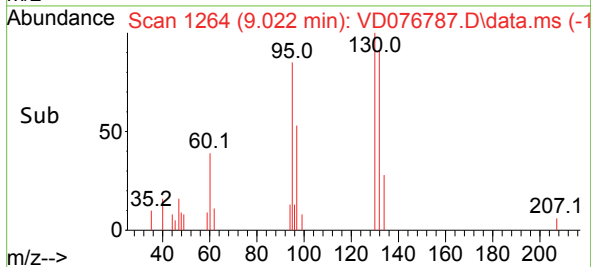
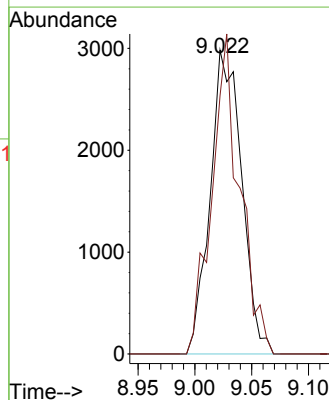
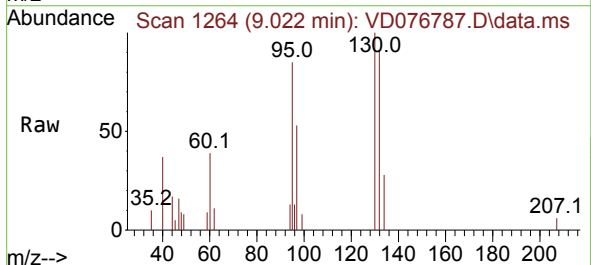
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

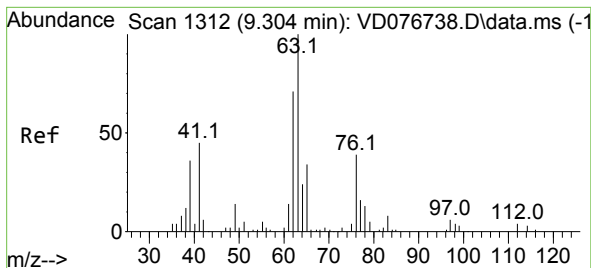
Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
61 18.5 31.4 47.0#
87 16.8 14.9 22.3



#44
Trichloroethene
Concen: 2.811 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:130 Resp: 5761
Ion Ratio Lower Upper
130 100
95 85.0 0.0 179.2





#45

1,2-Dichloropropane

Concen: 3.034 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

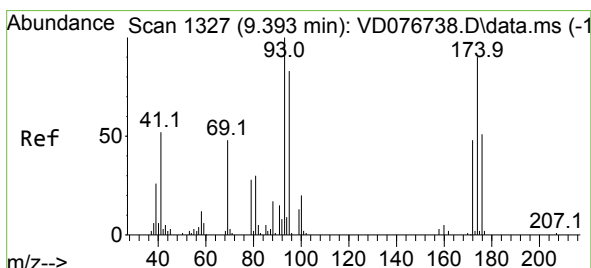
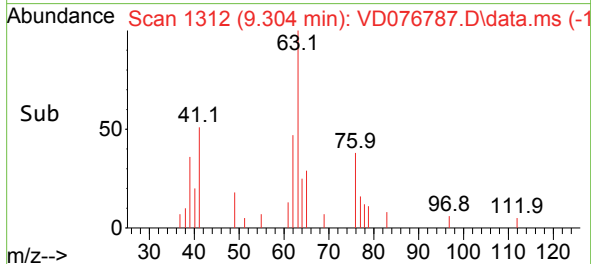
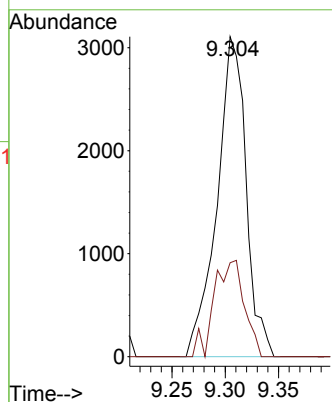
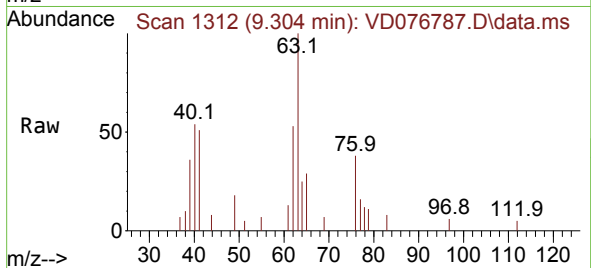
MDL-SOIL-03-QT3-2023

Tgt Ion: 63 Resp: 5891

Ion Ratio Lower Upper

63 100

65 29.4 24.5 36.7



#46

Dibromomethane

Concen: 2.501 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

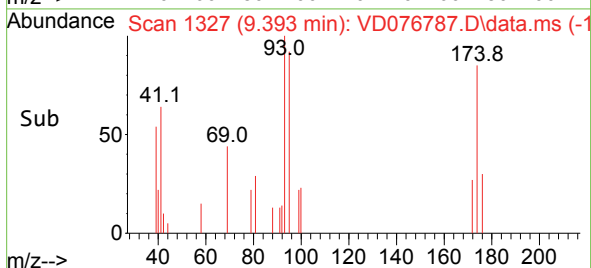
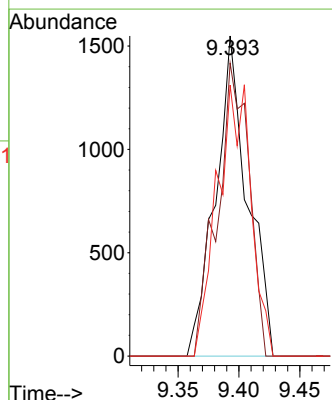
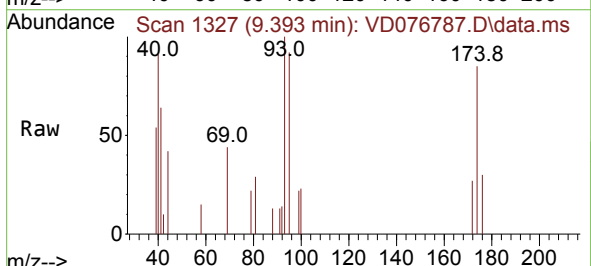
Tgt Ion: 93 Resp: 2842

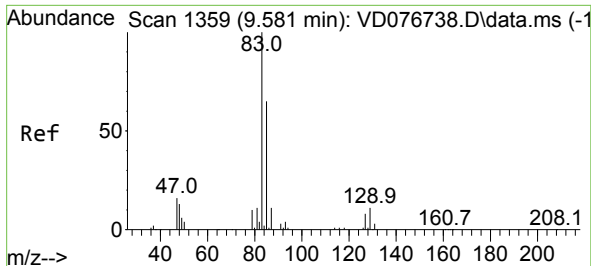
Ion Ratio Lower Upper

93 100

95 90.3 67.7 101.5

174 89.4 85.4 128.2

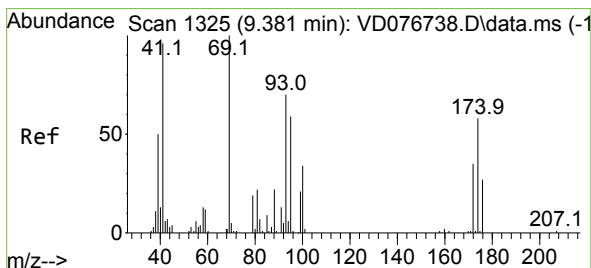
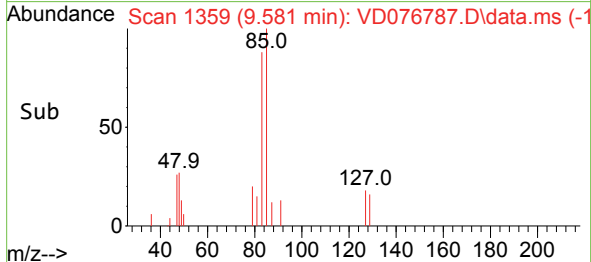
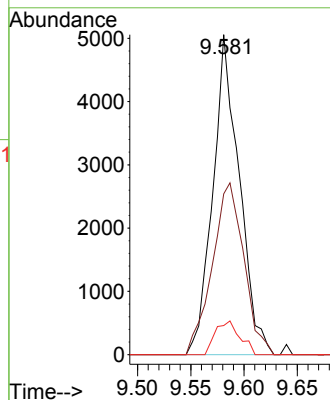
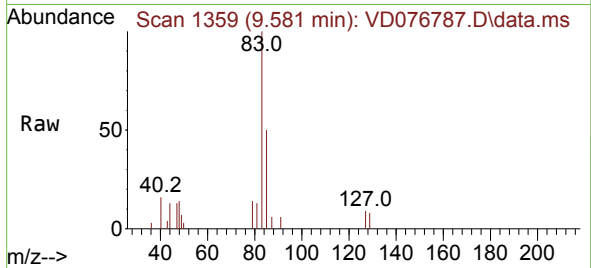




#47
Bromodichloromethane
Concen: 3.062 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

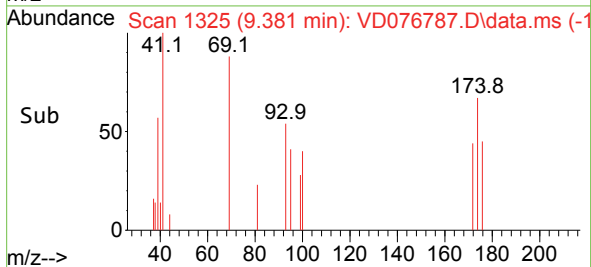
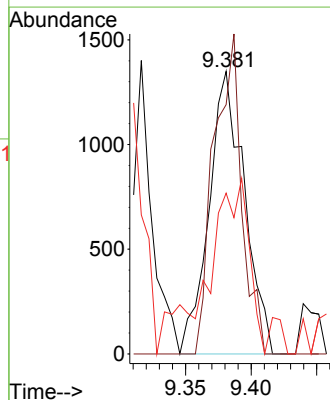
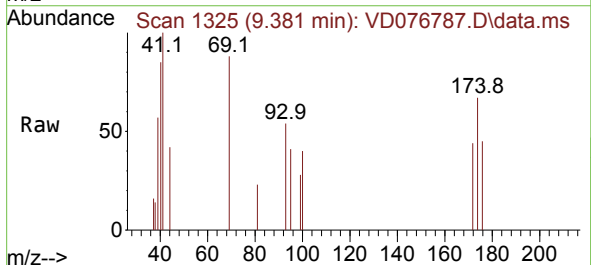
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

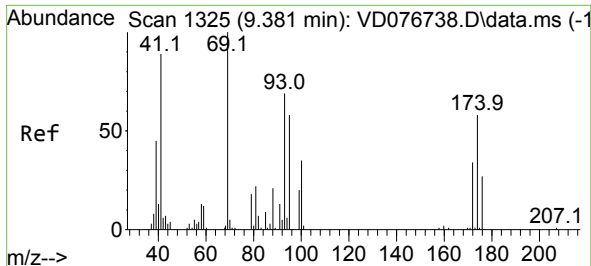
Tgt Ion: 83 Resp: 8733
Ion Ratio Lower Upper
83 100
85 50.2 50.2 75.4#
127 9.1 6.3 9.5



#48
Methyl methacrylate
Concen: 2.680 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 41 Resp: 2538
Ion Ratio Lower Upper
41 100
69 88.4 102.2 153.2#
39 67.8 41.4 62.2#





#49

1,4-Dioxane

Concen: 25.274 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076787.D

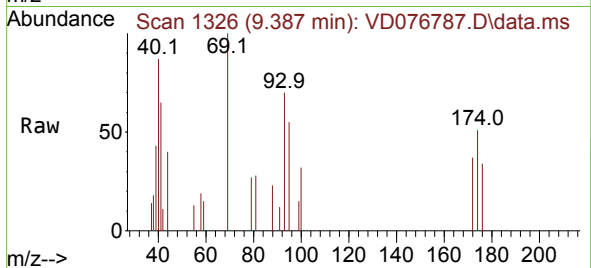
Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



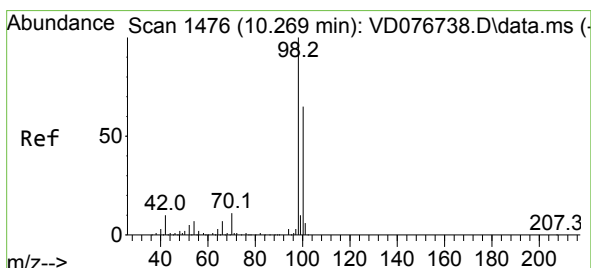
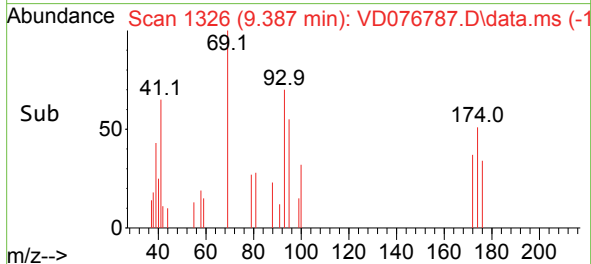
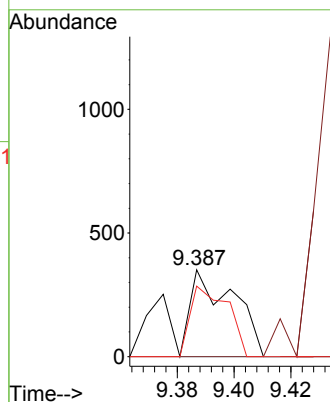
Tgt Ion: 88 Resp: 368

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 70.4 43.5 65.3#



#50

Toluene-d8

Concen: 46.140 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076787.D

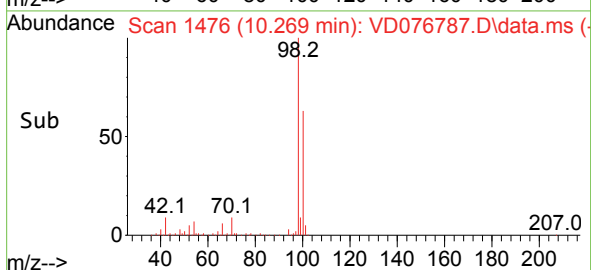
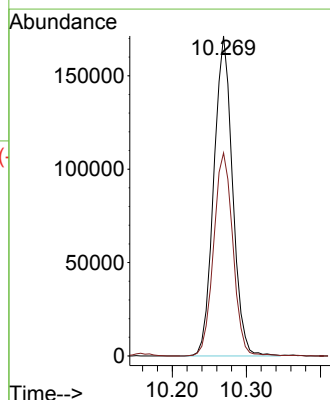
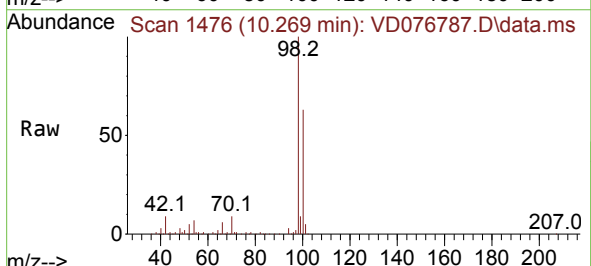
Acq: 19 Jul 2023 13:34

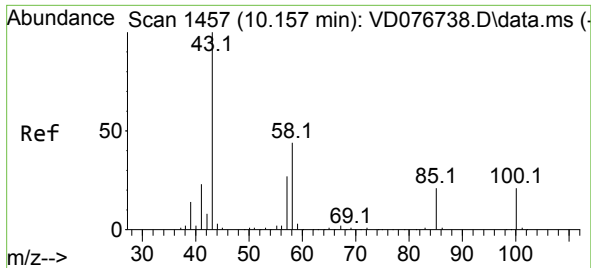
Tgt Ion: 98 Resp: 301109

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

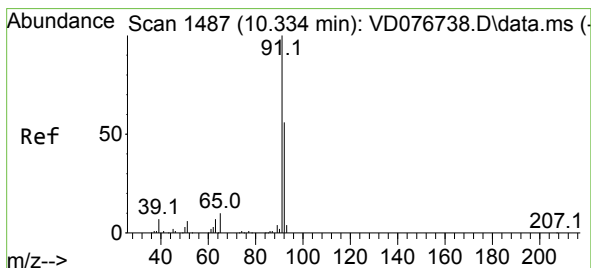
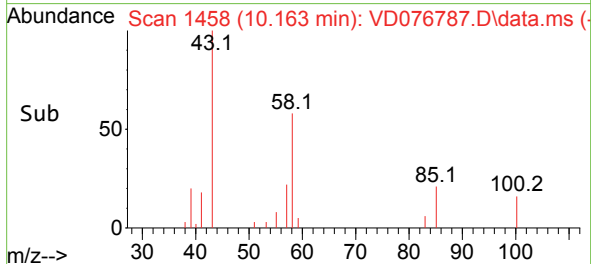
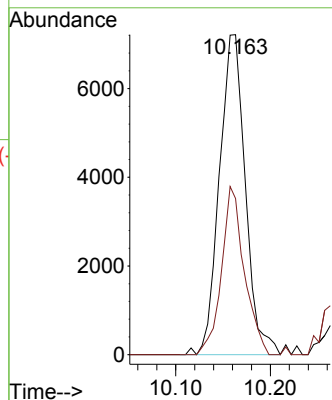
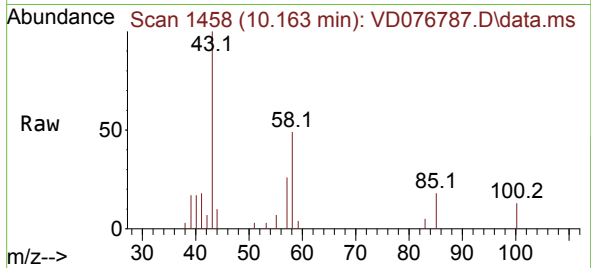




#51
4-Methyl-2-Pentanone
Concen: 12.409 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

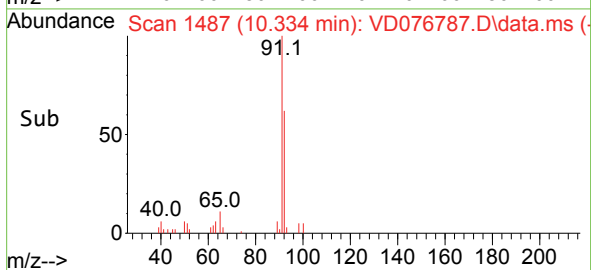
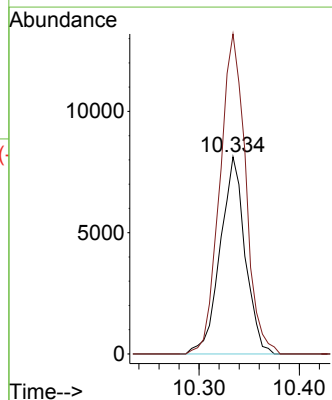
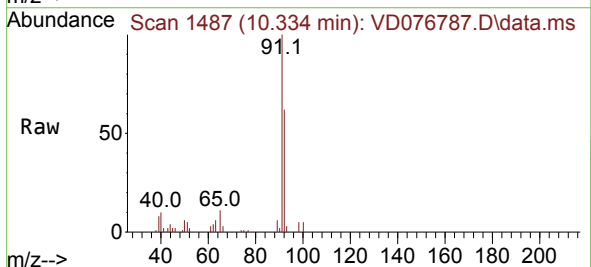
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

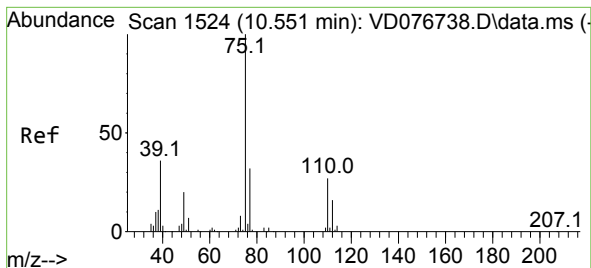
Tgt Ion: 43 Resp: 13746
Ion Ratio Lower Upper
43 100
58 46.2 38.9 58.3



#52
Toluene
Concen: 2.842 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 92 Resp: 14040
Ion Ratio Lower Upper
92 100
91 167.7 143.0 214.4

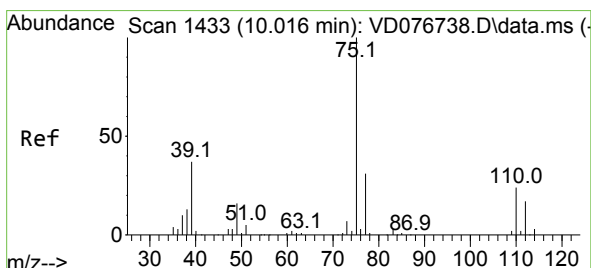
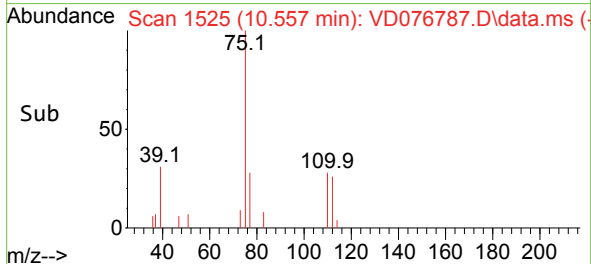
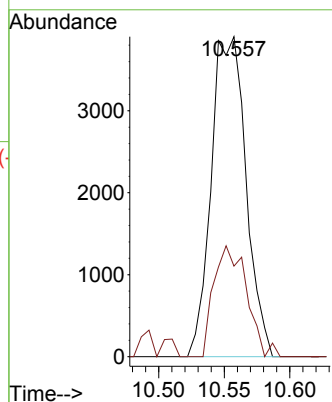
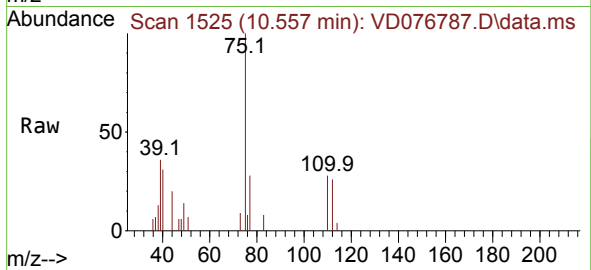




#53
t-1,3-Dichloropropene
Concen: 2.714 ug/l
RT: 10.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

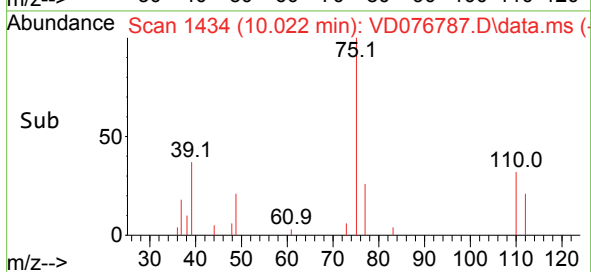
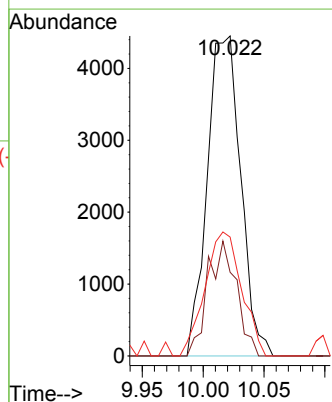
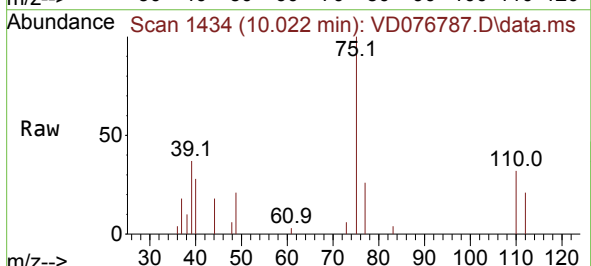
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

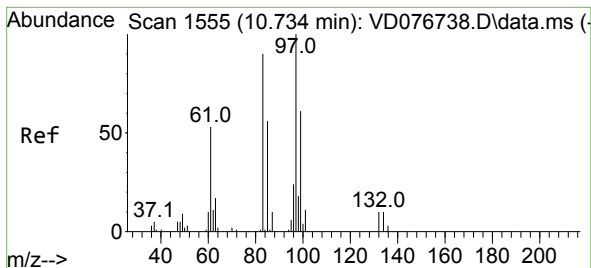
Tgt Ion: 75 Resp: 7183
Ion Ratio Lower Upper
75 100
77 28.3 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 2.726 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 75 Resp: 8505
Ion Ratio Lower Upper
75 100
77 26.1 25.5 38.3
39 37.1 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 2.842 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 97 Resp: 4717

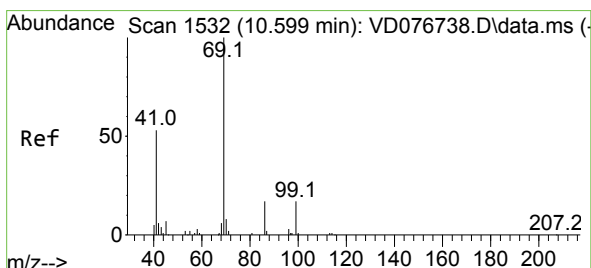
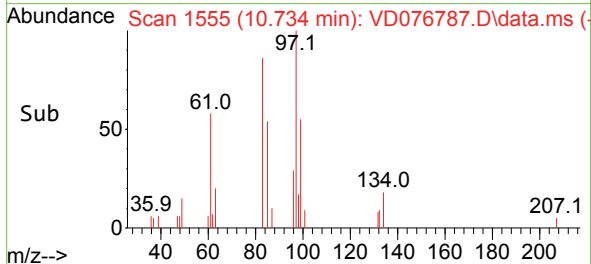
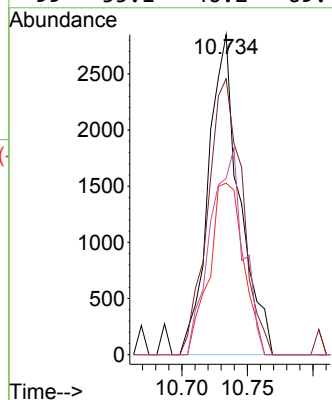
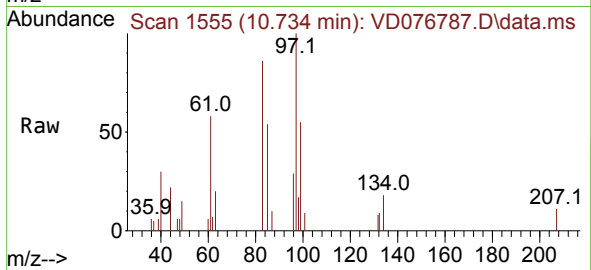
Ion Ratio Lower Upper

97 100

83 86.3 65.8 98.6

85 53.6 45.7 68.5

99 55.1 46.2 69.4



#56

Ethyl methacrylate

Concen: 2.258 ug/l

RT: 10.593 min Scan# 1531

Delta R.T. -0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

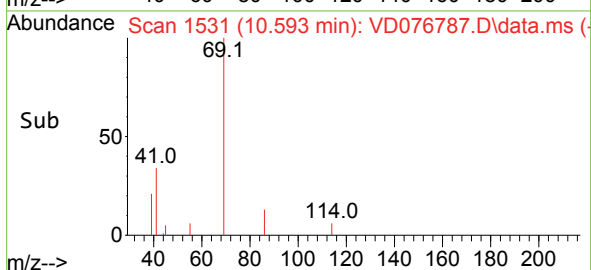
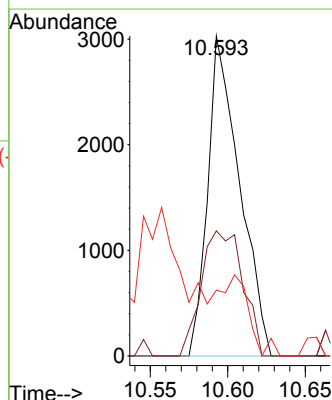
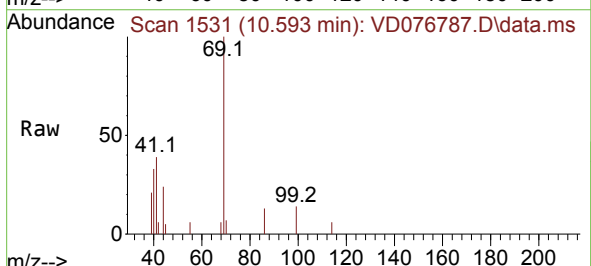
Tgt Ion: 69 Resp: 4325

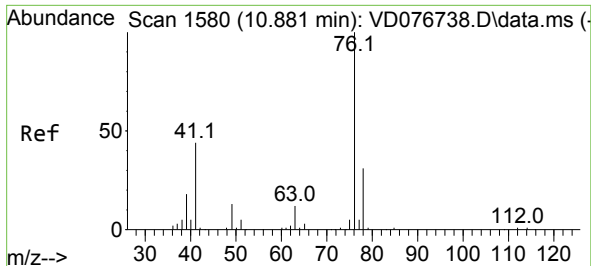
Ion Ratio Lower Upper

69 100

41 51.2 39.1 58.7

39 15.1 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 2.506 ug/l

RT: 10.887 min Scan# 1581

Delta R.T. 0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

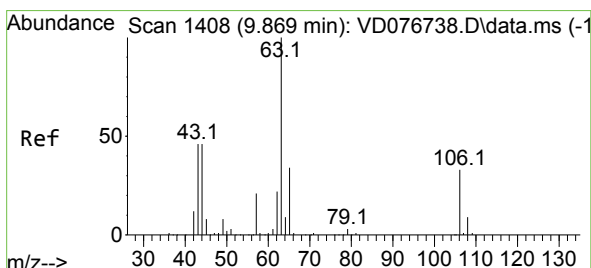
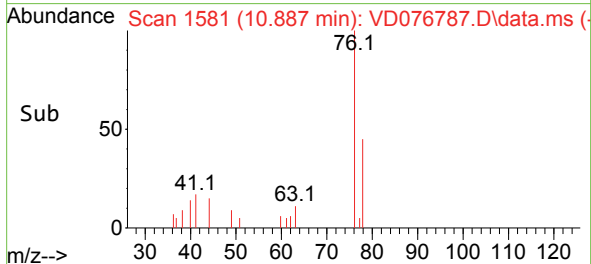
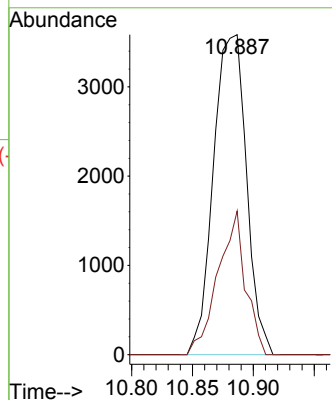
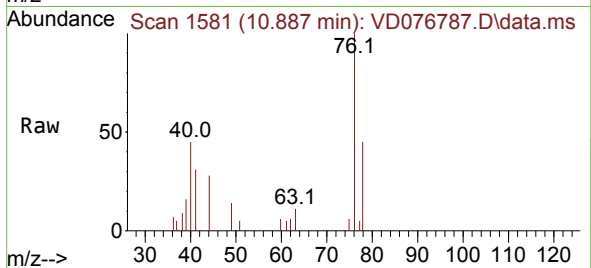
MDL-SOIL-03-QT3-2023

Tgt Ion: 76 Resp: 6772

Ion Ratio Lower Upper

76 100

78 37.4 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 9.847 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076787.D

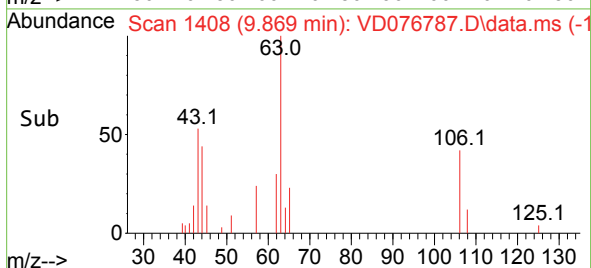
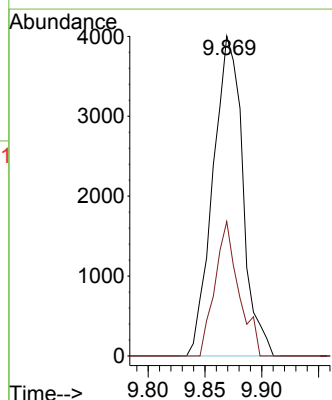
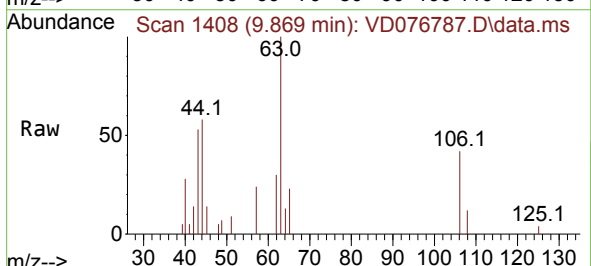
Acq: 19 Jul 2023 13:34

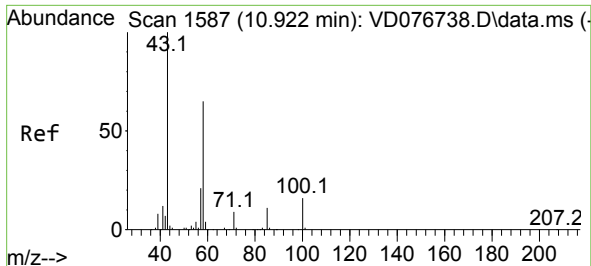
Tgt Ion: 63 Resp: 7301

Ion Ratio Lower Upper

63 100

106 33.6 25.3 37.9

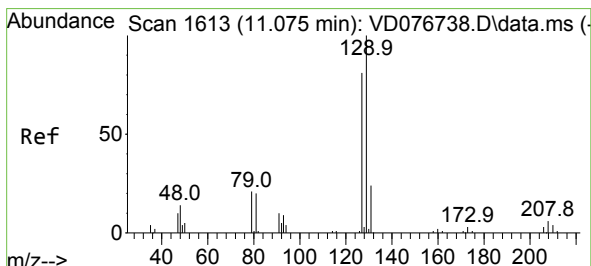
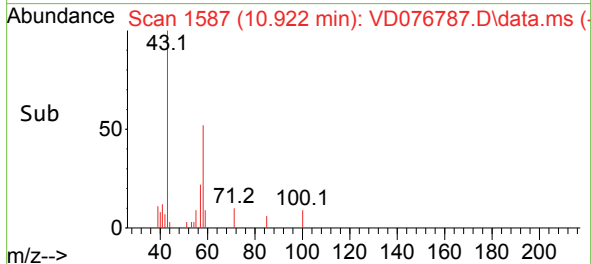
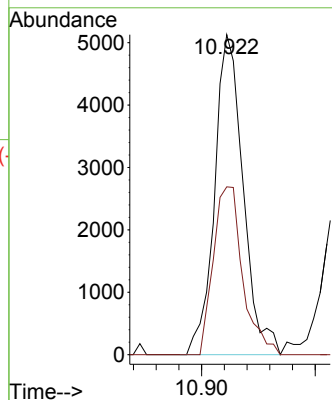
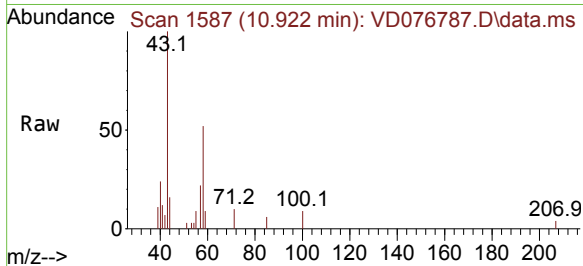




#59
2-Hexanone
Concen: 11.337 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

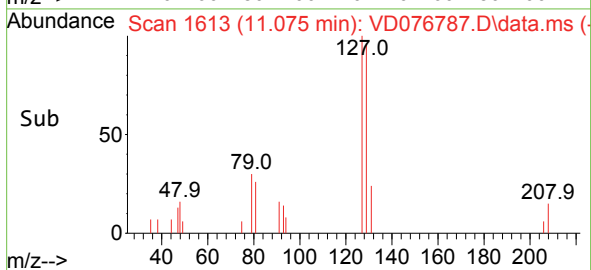
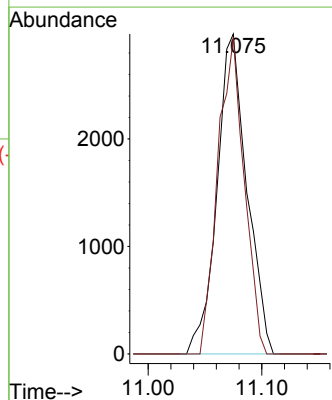
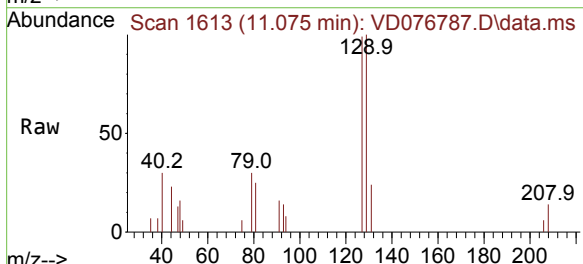
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

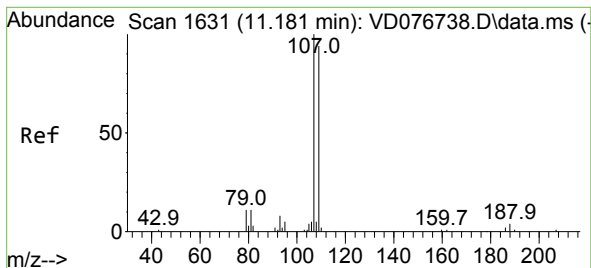
Tgt Ion: 43 Resp: 8961
Ion Ratio Lower Upper
43 100
58 53.8 34.1 102.2



#60
Dibromochloromethane
Concen: 2.827 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 129 Resp: 5450
Ion Ratio Lower Upper
129 100
127 87.3 37.1 111.5





#61

1,2-Dibromoethane

Concen: 3.086 ug/l

RT: 11.181 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

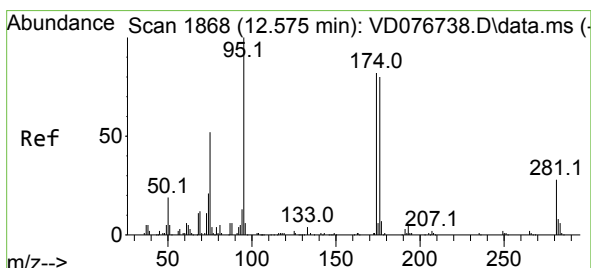
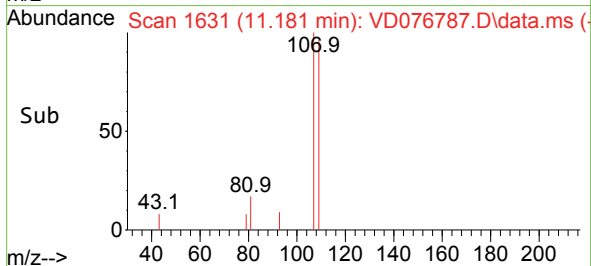
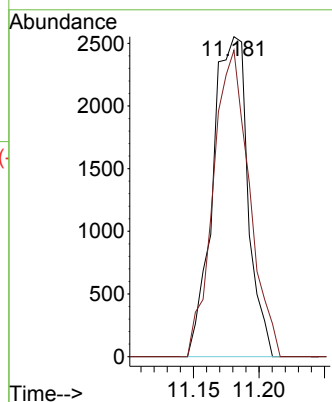
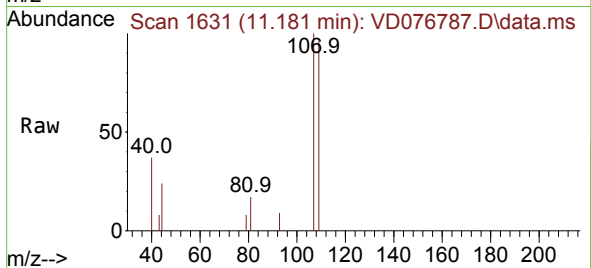
MDL-SOIL-03-QT3-2023

Tgt Ion:107 Resp: 4748

Ion Ratio Lower Upper

107 100

109 98.4 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 43.692 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

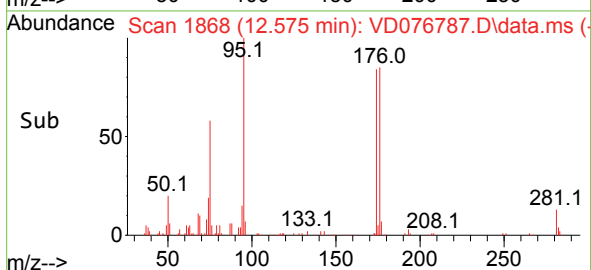
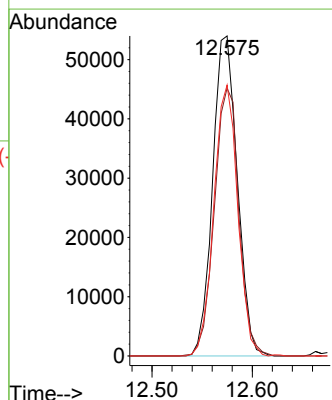
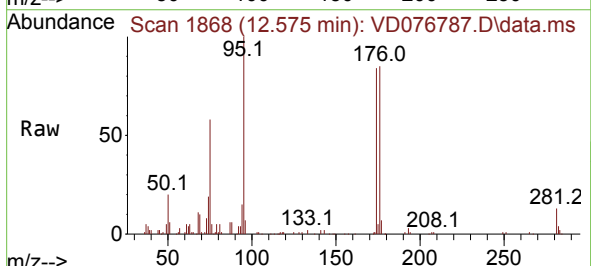
Tgt Ion: 95 Resp: 92241

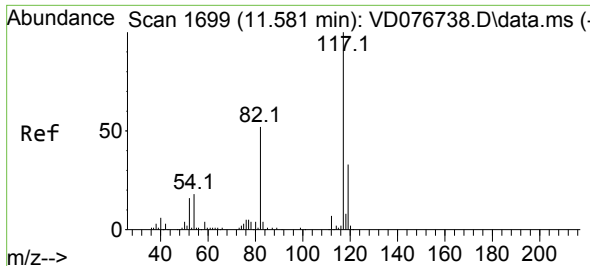
Ion Ratio Lower Upper

95 100

174 83.4 0.0 201.8

176 81.9 0.0 191.8

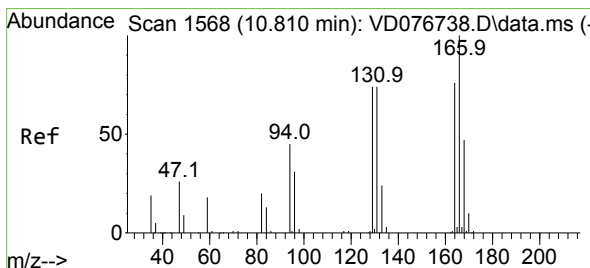
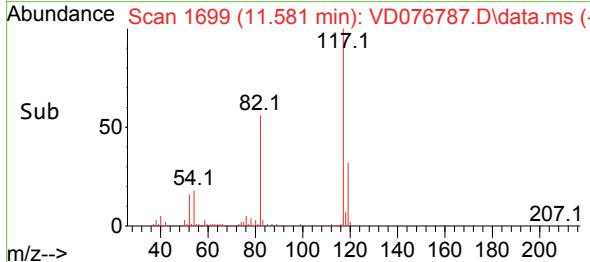
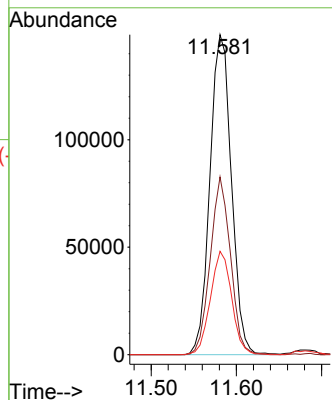
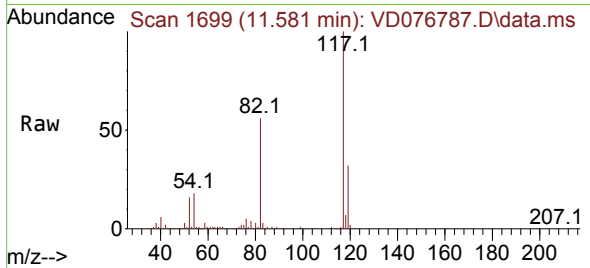




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

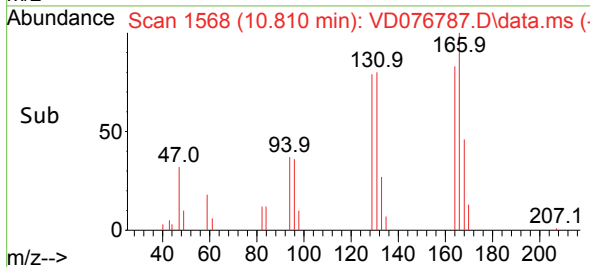
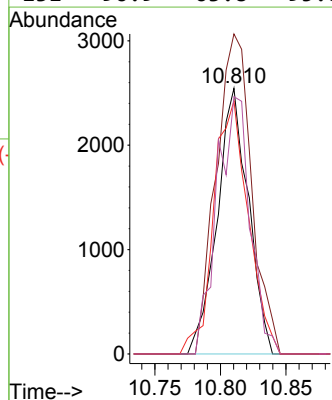
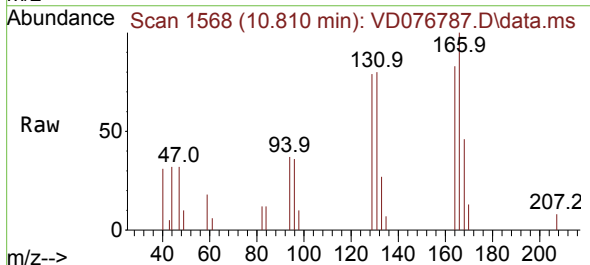
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

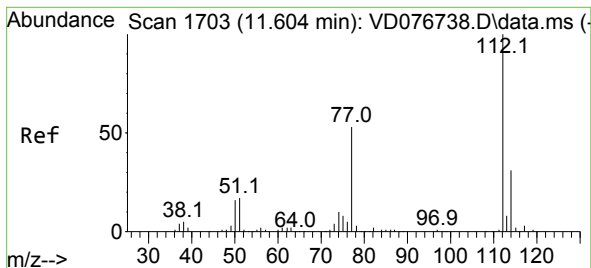
Tgt Ion:117 Resp: 260591
Ion Ratio Lower Upper
117 100
82 55.6 38.3 57.5
119 32.3 25.0 37.4



#64
Tetrachloroethene
Concen: 2.829 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:164 Resp: 4204
Ion Ratio Lower Upper
164 100
166 120.5 99.2 148.8
129 95.3 68.4 102.6
131 96.9 63.8 95.8#





#65

Chlorobenzene

Concen: 3.218 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

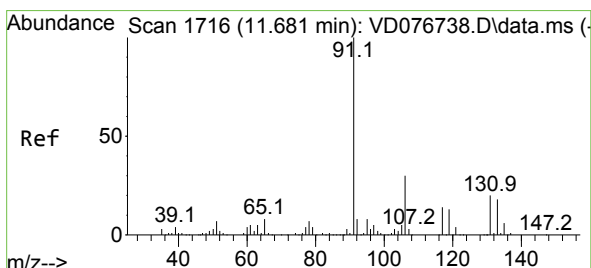
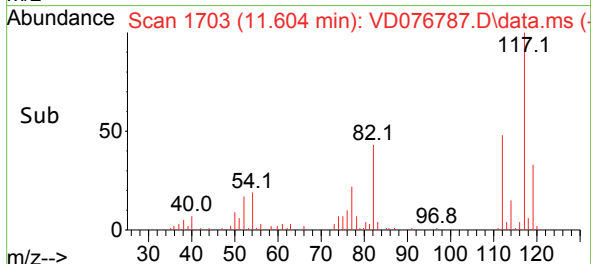
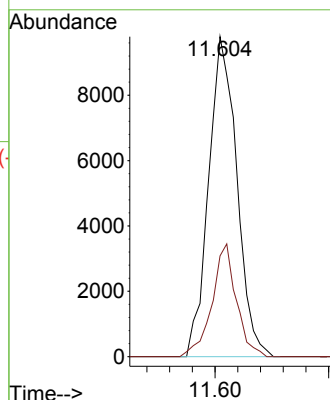
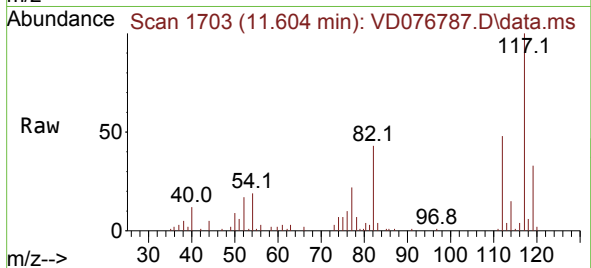
MDL-SOIL-03-QT3-2023

Tgt Ion:112 Resp: 16867

Ion Ratio Lower Upper

112 100

114 31.5 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 2.551 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

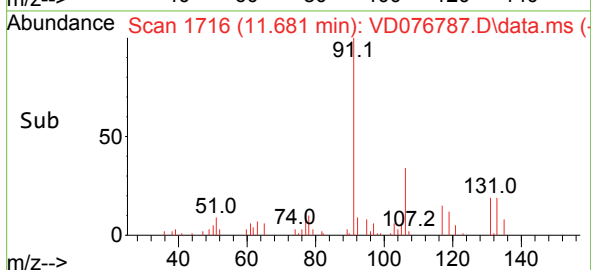
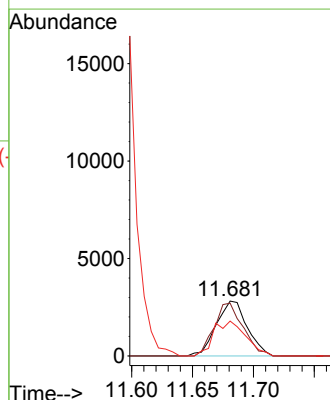
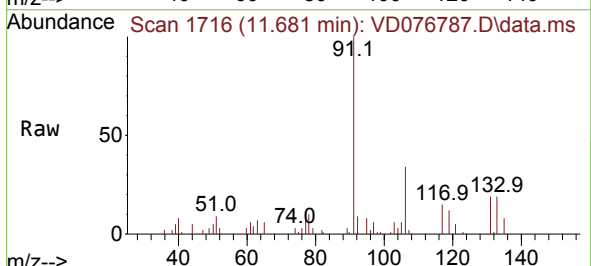
Tgt Ion:131 Resp: 4977

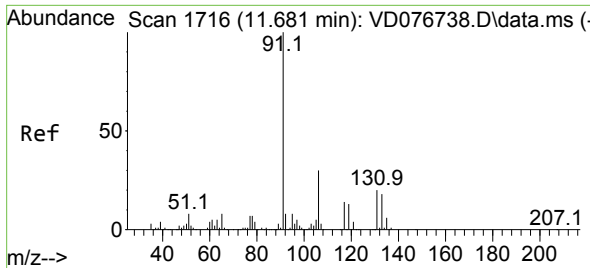
Ion Ratio Lower Upper

131 100

133 90.3 48.5 145.5

119 66.4 35.6 106.9

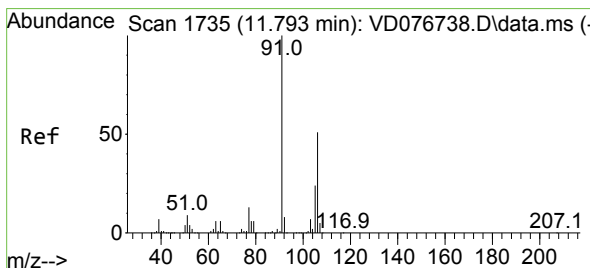
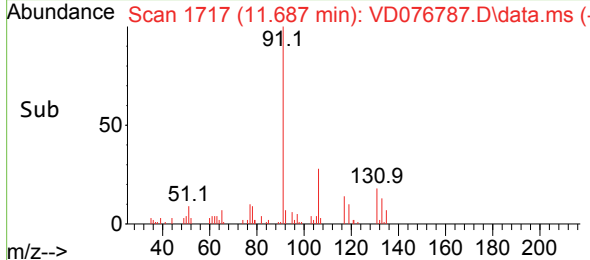
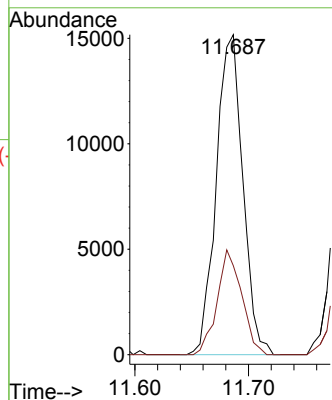
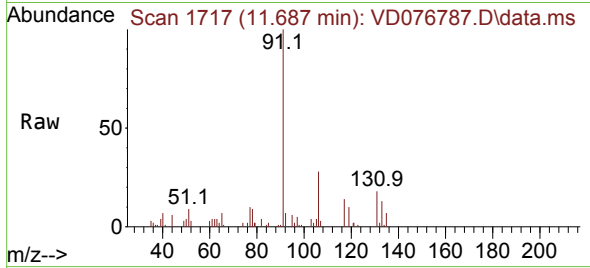




#67
Ethyl Benzene
Concen: 2.680 ug/l
RT: 11.687 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

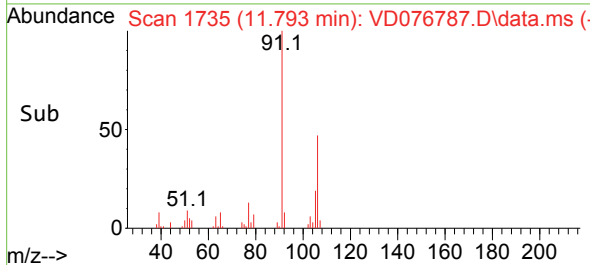
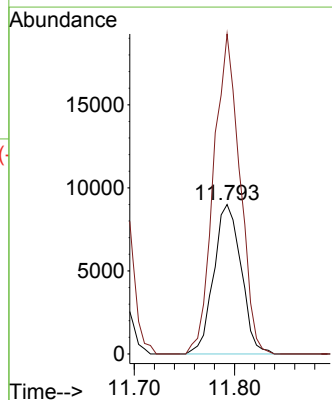
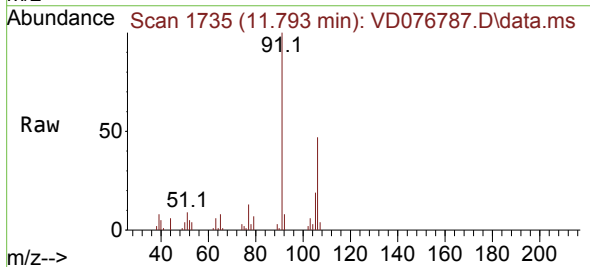
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

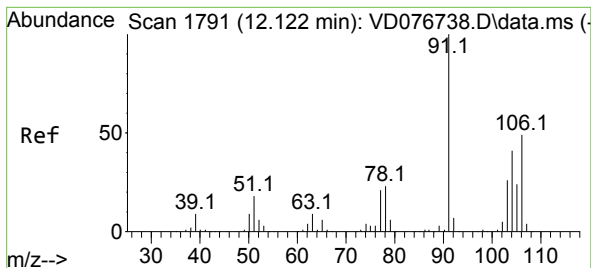
Tgt Ion: 91 Resp: 24668
Ion Ratio Lower Upper
91 100
106 27.8 26.5 39.7



#68
m/p-Xylenes
Concen: 4.835 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 106 Resp: 17092
Ion Ratio Lower Upper
106 100
91 204.8 147.0 220.6





#69

o-Xylene

Concen: 2.744 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

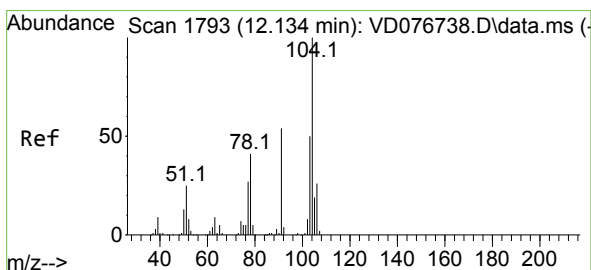
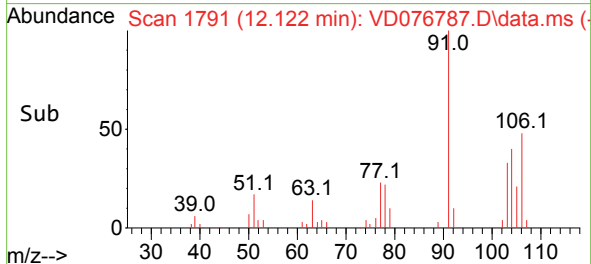
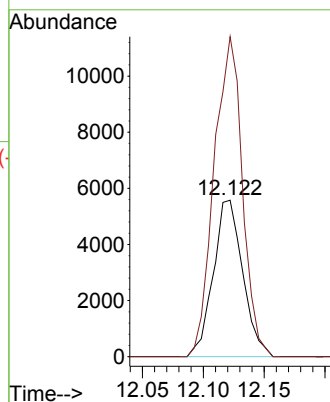
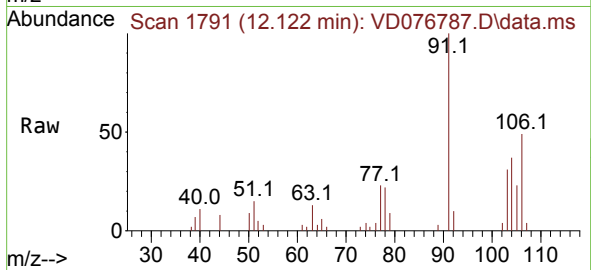
MDL-SOIL-03-QT3-2023

Tgt Ion:106 Resp: 9379

Ion Ratio Lower Upper

106 100

91 196.5 97.9 293.6



#70

Styrene

Concen: 2.605 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

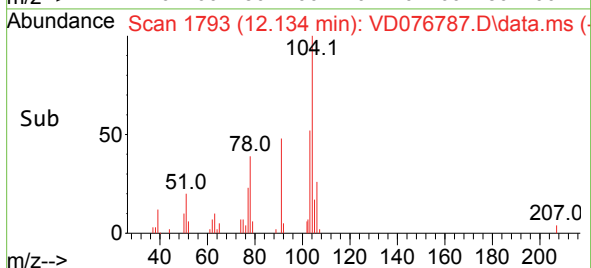
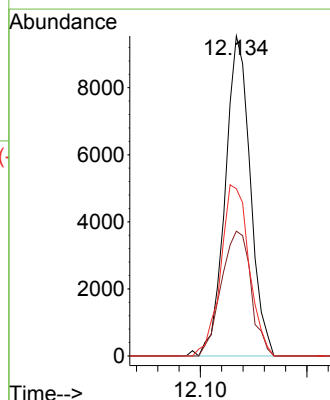
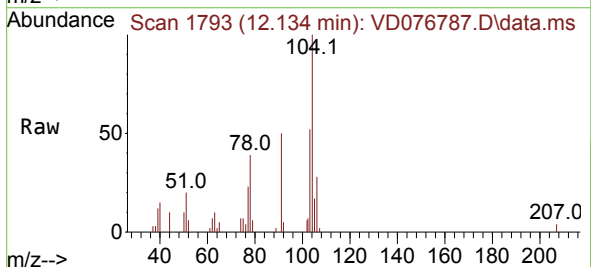
Tgt Ion:104 Resp: 15586

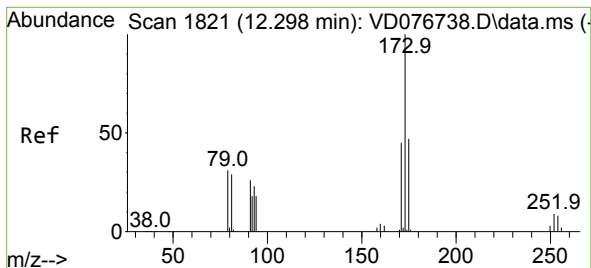
Ion Ratio Lower Upper

104 100

78 46.1 33.2 49.8

103 60.3 43.6 65.4





#71

Bromoform

Concen: 2.942 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

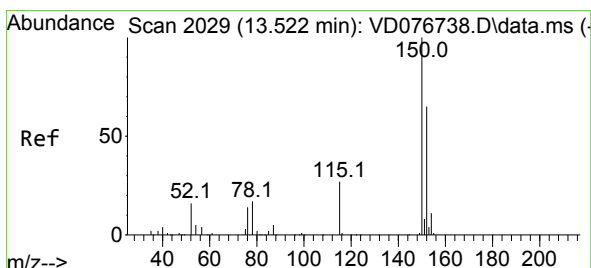
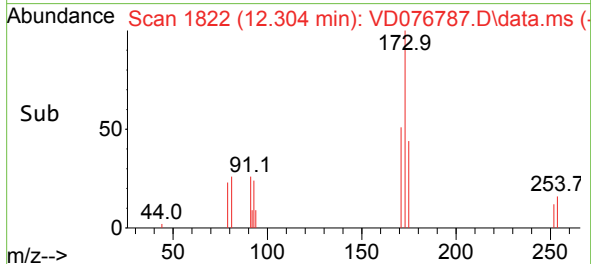
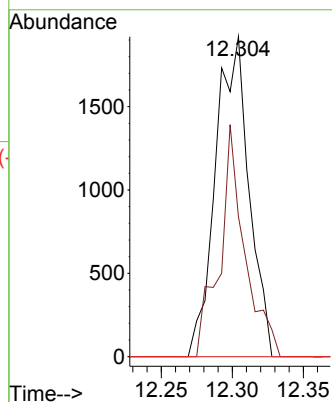
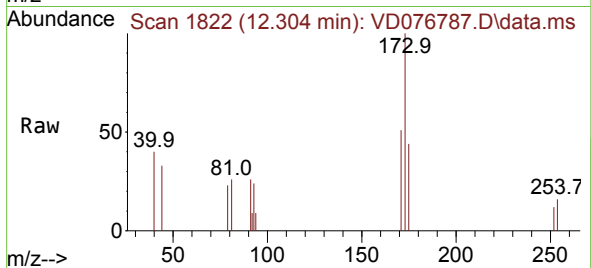
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:173	Resp:	3144
Ion Ratio	Lower	Upper
173	100	
175	54.2	24.6 73.8
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

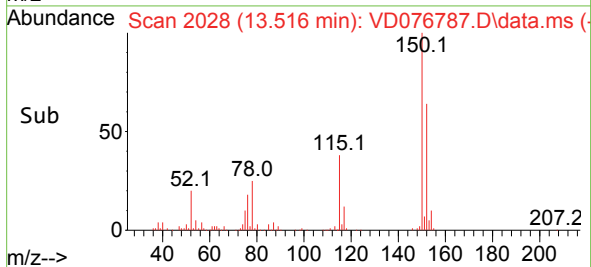
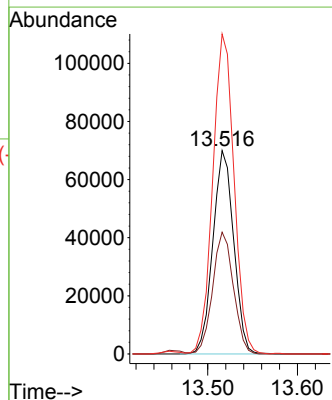
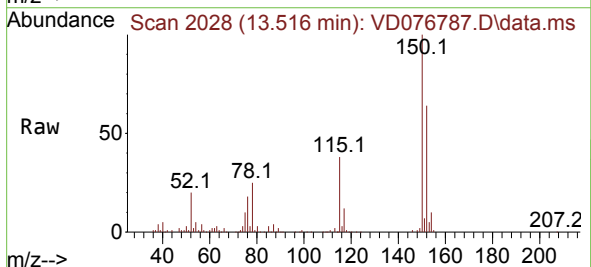
RT: 13.516 min Scan# 2028

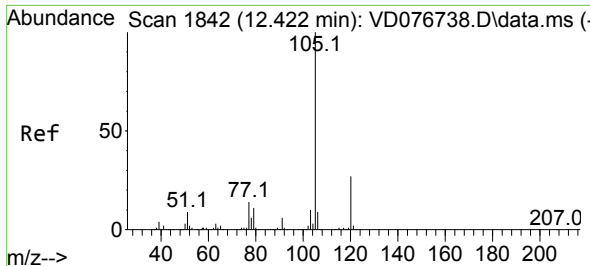
Delta R.T. -0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Tgt Ion:152	Resp:	112805
Ion Ratio	Lower	Upper
152	100	
115	59.7	27.1 81.3
150	160.8	0.0 353.6

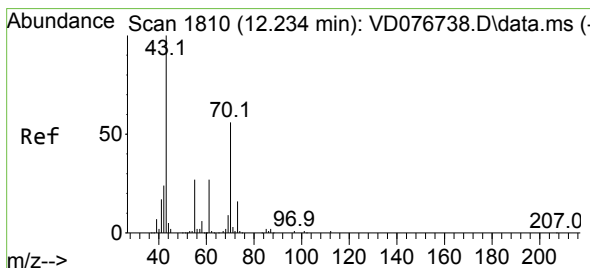
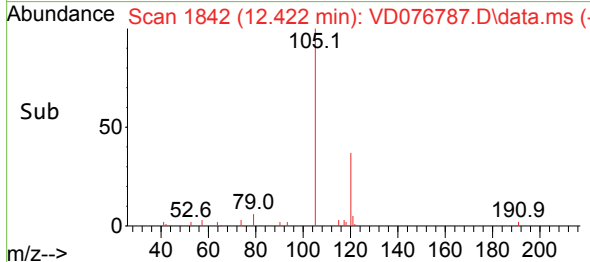
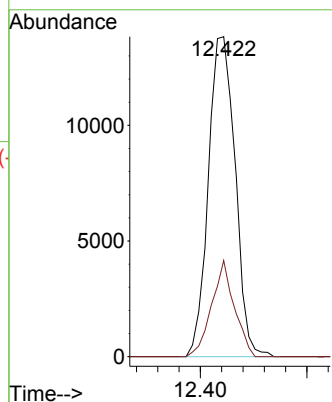
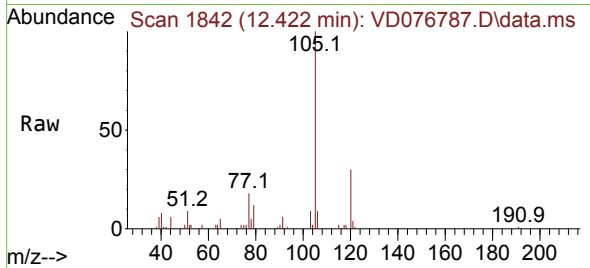




#73
Isopropylbenzene
Concen: 2.951 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

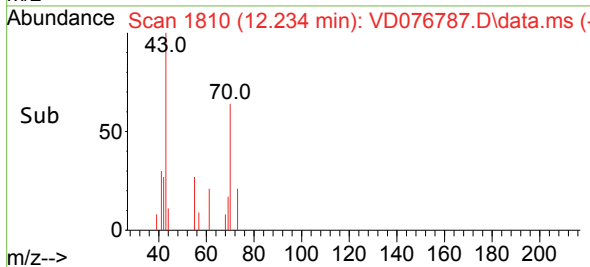
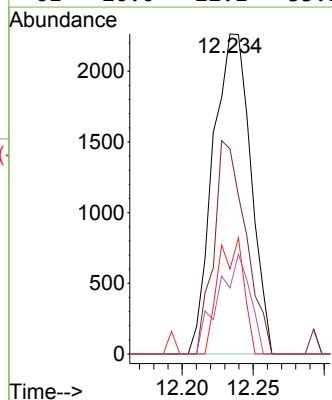
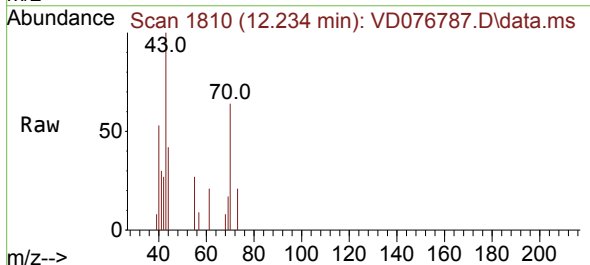
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

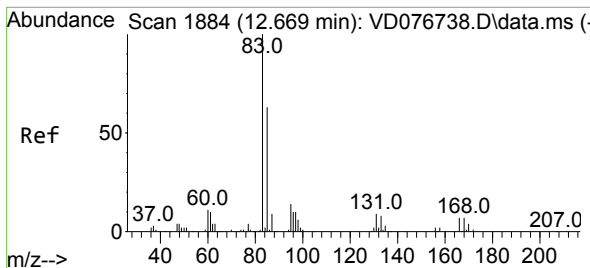
Tgt Ion:105 Resp: 24152
Ion Ratio Lower Upper
105 100
120 25.5 14.3 42.9



#74
N-ethyl acetate
Concen: 2.423 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 43 Resp: 4177
Ion Ratio Lower Upper
43 100
70 56.3 45.0 67.4
55 24.4 23.8 35.6
61 26.0 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.605 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

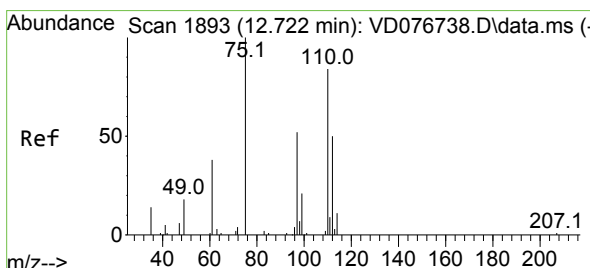
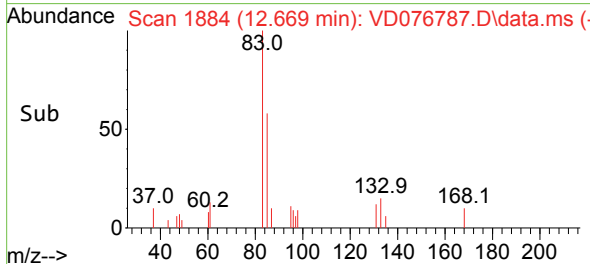
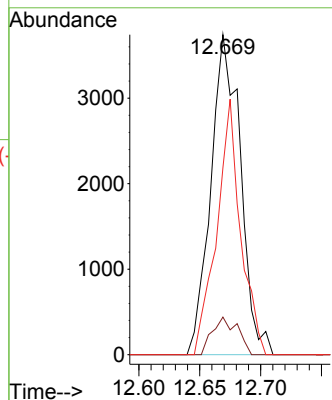
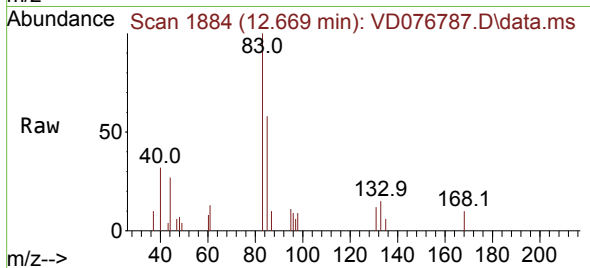
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	83	Resp:	6334
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.2	32.6	97.8



#76

1,2,3-Trichloropropane

Concen: 5.919 ug/l

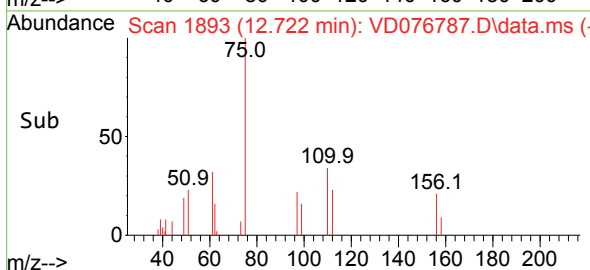
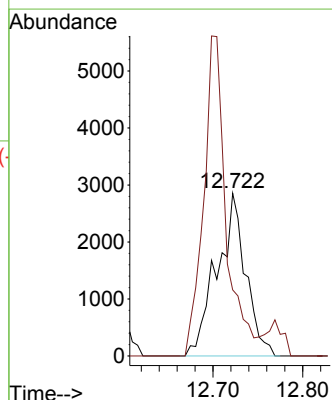
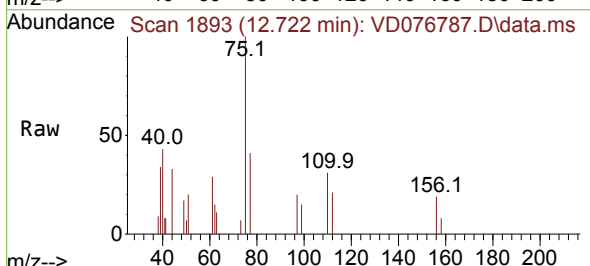
RT: 12.722 min Scan# 1893

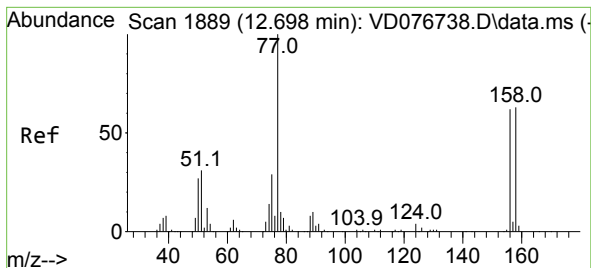
Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Tgt Ion:	75	Resp:	6350
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.769 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

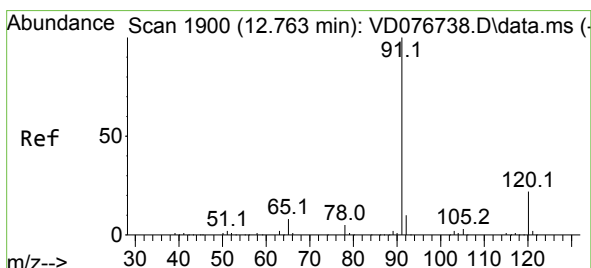
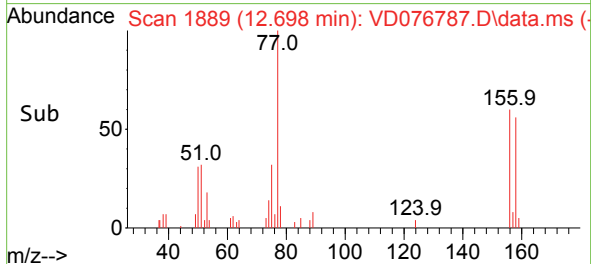
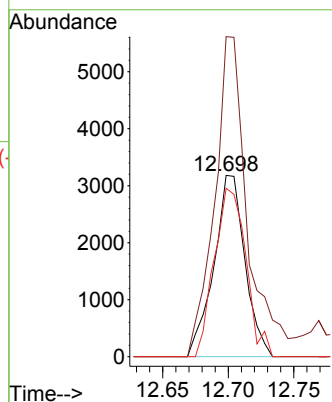
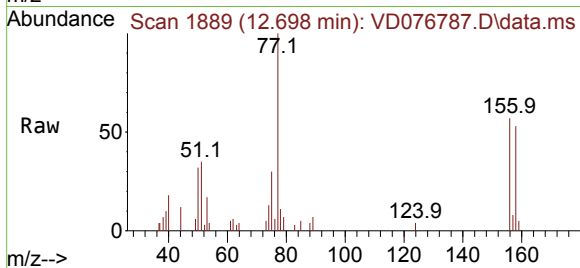
Tgt Ion:156 Resp: 5231

Ion Ratio Lower Upper

156 100

77 187.8 76.8 230.4

158 94.7 48.6 145.9



#78

n-propylbenzene

Concen: 2.525 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD076787.D

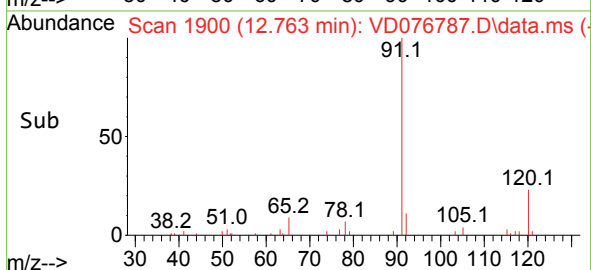
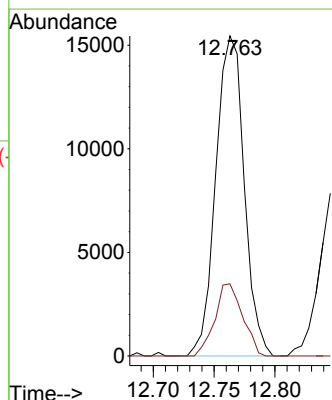
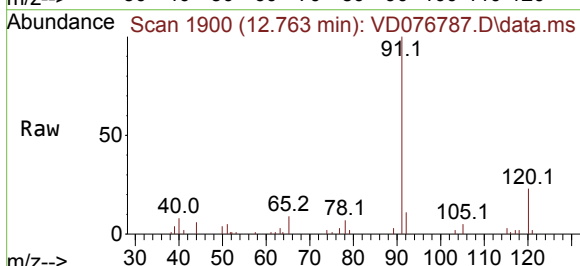
Acq: 19 Jul 2023 13:34

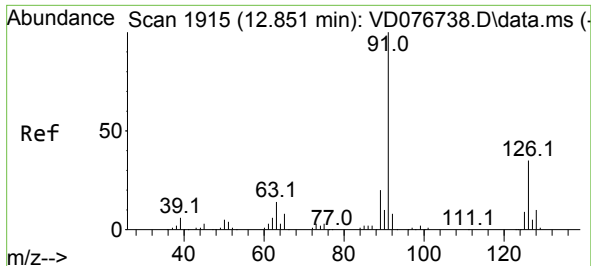
Tgt Ion: 91 Resp: 25050

Ion Ratio Lower Upper

91 100

120 22.1 12.4 37.2

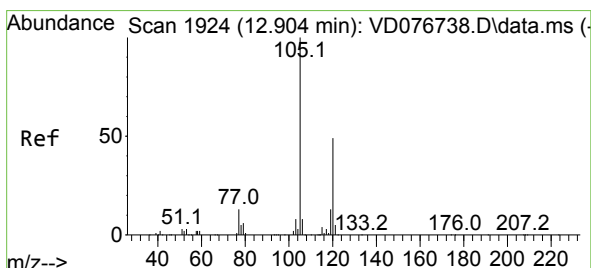
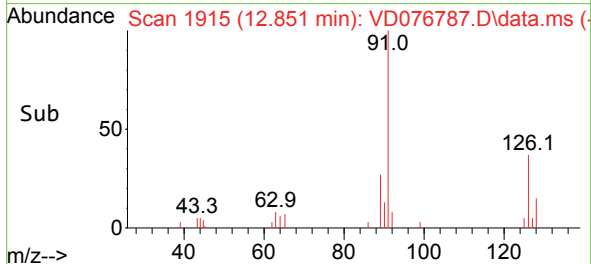
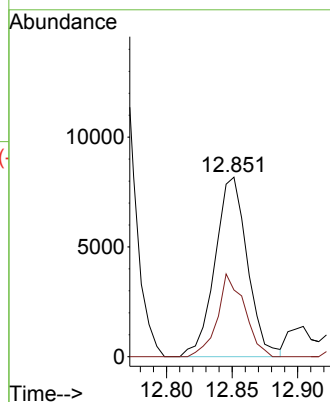
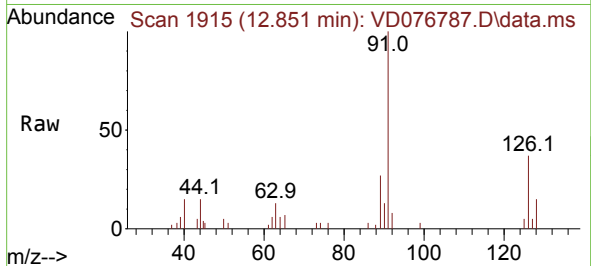




#79
2-Chlorotoluene
Concen: 2.586 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

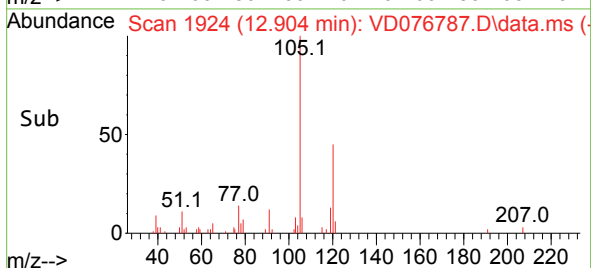
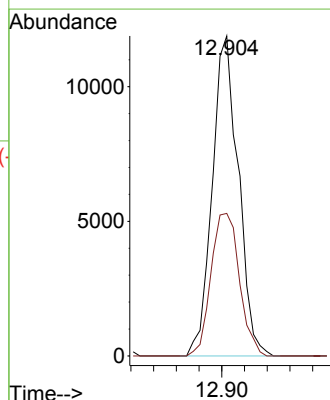
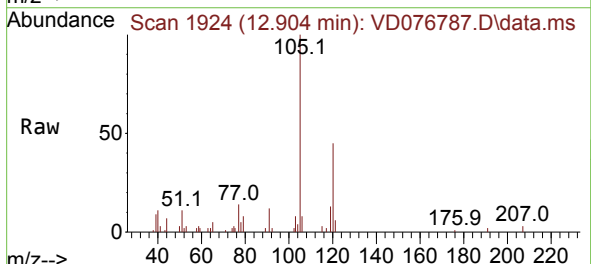
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

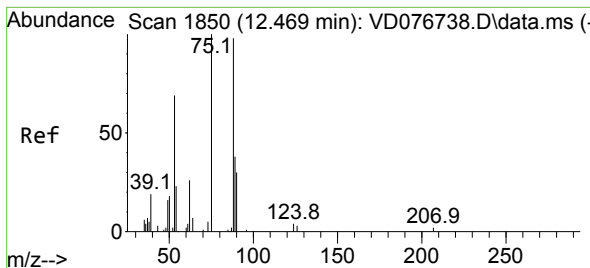
Tgt Ion: 91 Resp: 14066
Ion Ratio Lower Upper
91 100
126 38.7 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 2.862 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 105 Resp: 18937
Ion Ratio Lower Upper
105 100
120 48.6 26.4 79.2

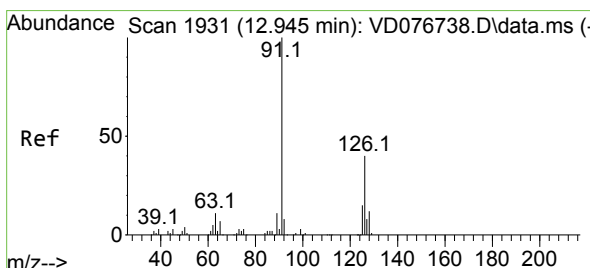
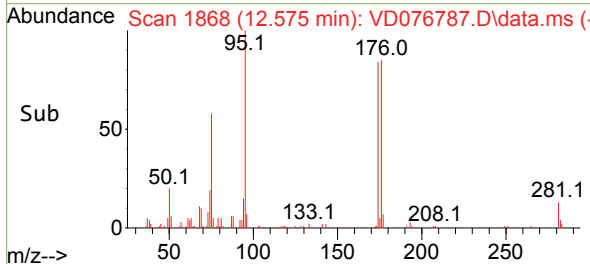
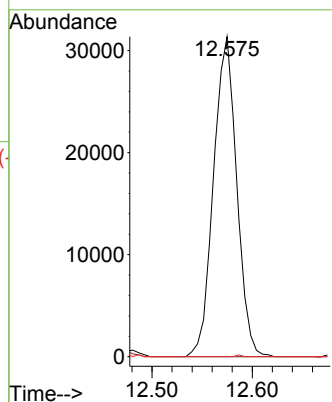
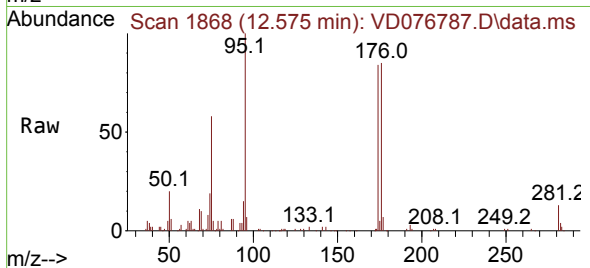




#81
trans-1,4-Dichloro-2-butene
Concen: 99.860 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

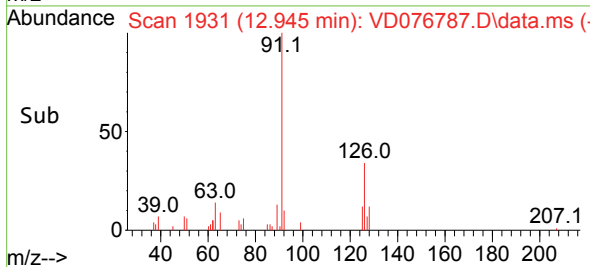
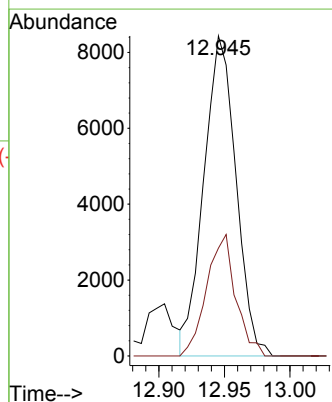
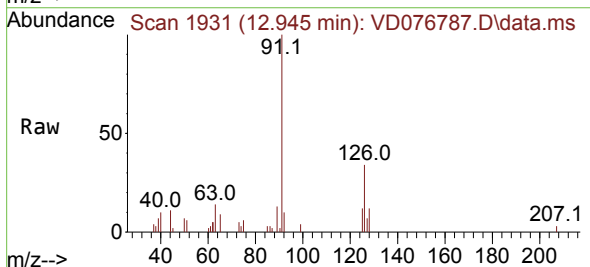
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

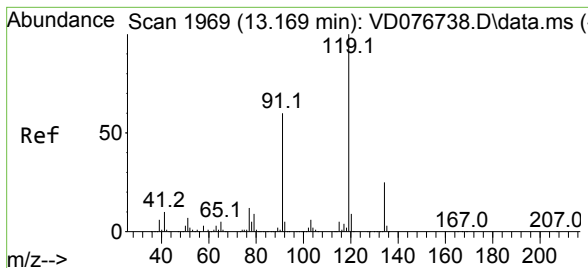
Tgt Ion: 75 Resp: 50335
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#



#82
4-Chlorotoluene
Concen: 2.525 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion: 91 Resp: 14351
Ion Ratio Lower Upper
91 100
126 34.4 19.4 58.4





#83

tert-Butylbenzene

Concen: 2.570 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. -0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

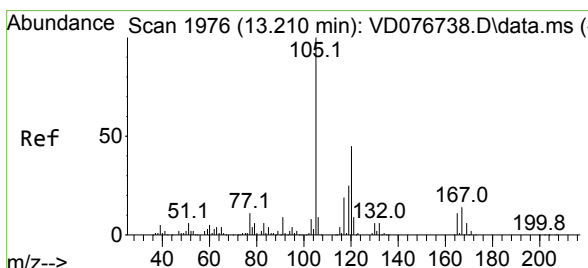
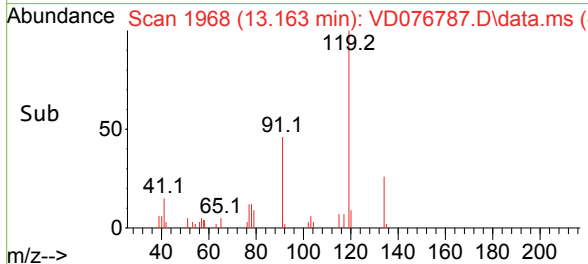
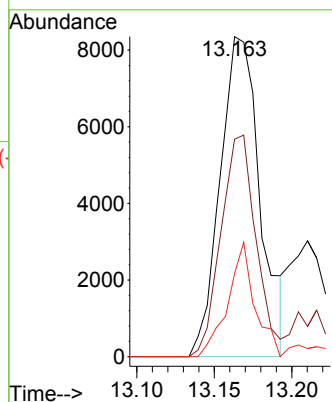
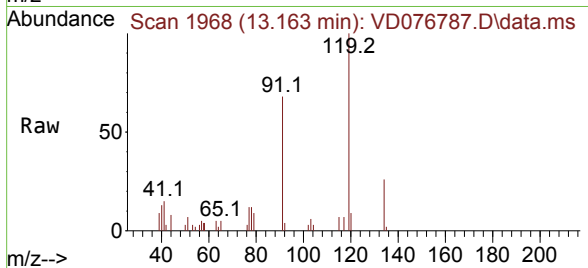
Tgt Ion:119 Resp: 14973

Ion Ratio Lower Upper

119 100

91 60.8 29.3 87.8

134 24.5 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 2.650 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD076787.D

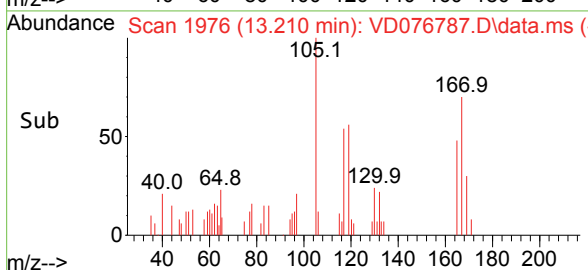
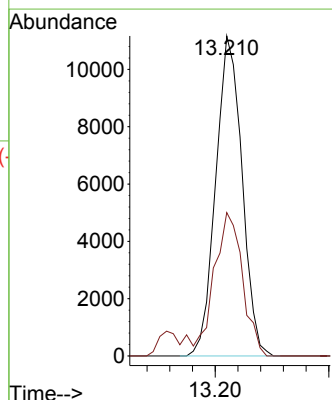
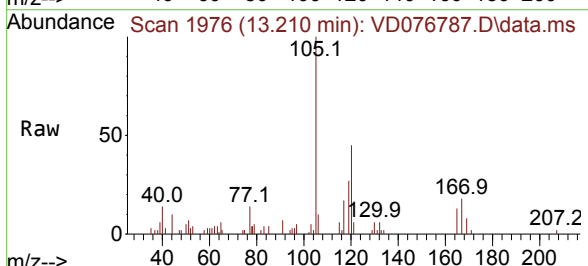
Acq: 19 Jul 2023 13:34

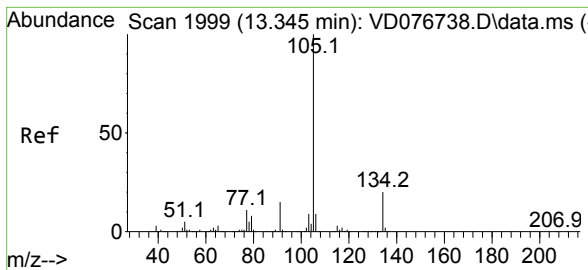
Tgt Ion:105 Resp: 17919

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9





#85

sec-Butylbenzene

Concen: 2.407 ug/l

RT: 13.340 min Scan# 1999

Delta R.T. -0.005 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

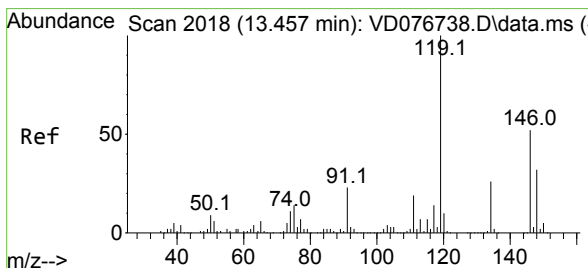
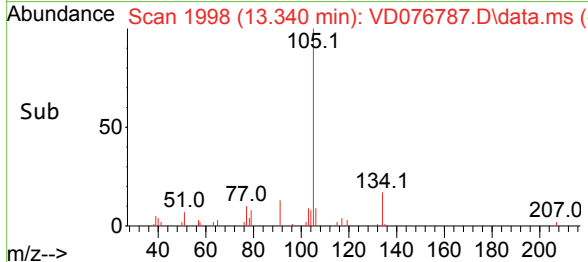
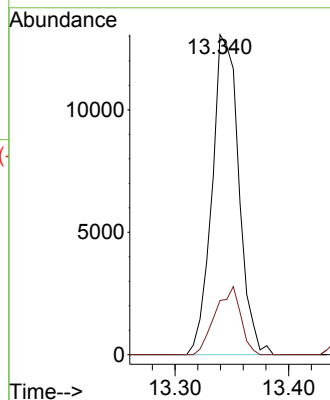
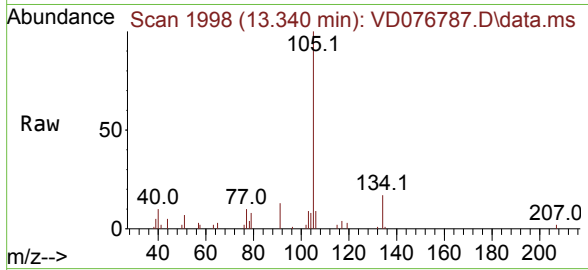
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 21426

Ion Ratio Lower Upper

105 100

134 20.2 10.9 32.9



#86

p-Isopropyltoluene

Concen: 2.274 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

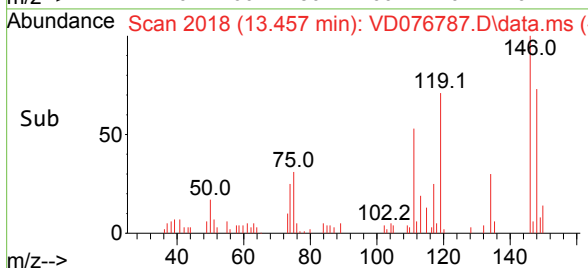
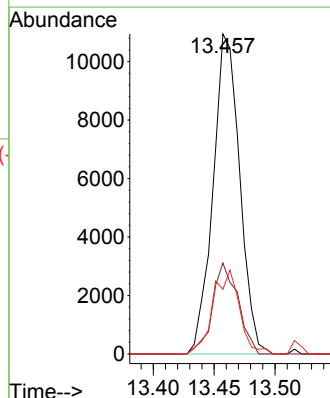
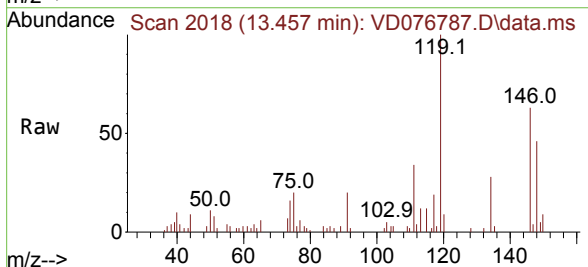
Tgt Ion:119 Resp: 16720

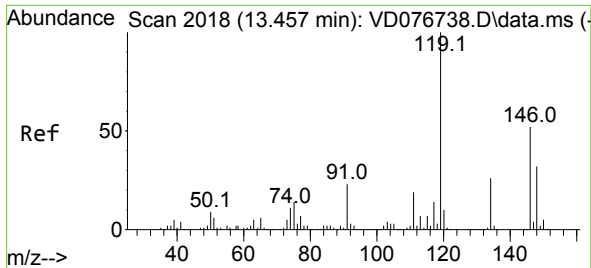
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 26.1 10.5 31.5

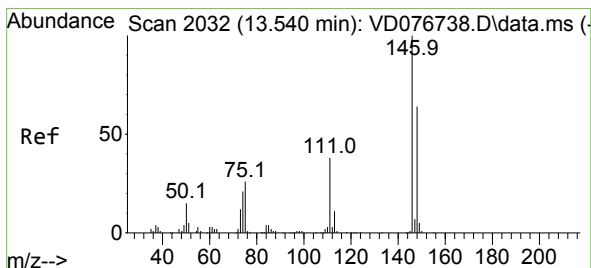
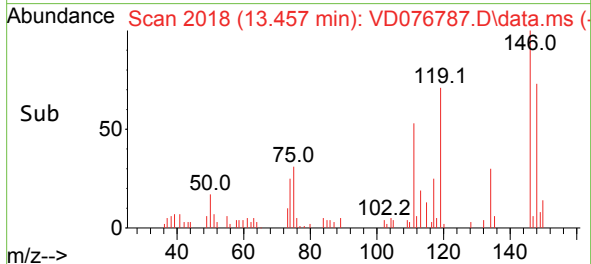
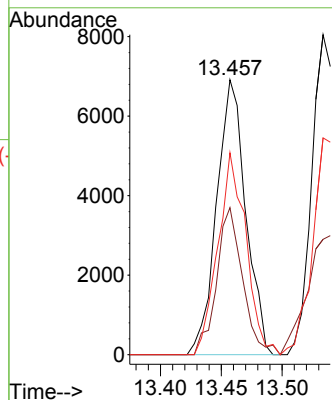
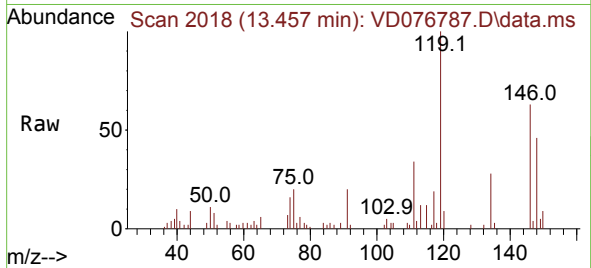




#87
1,3-Dichlorobenzene
Concen: 2.965 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

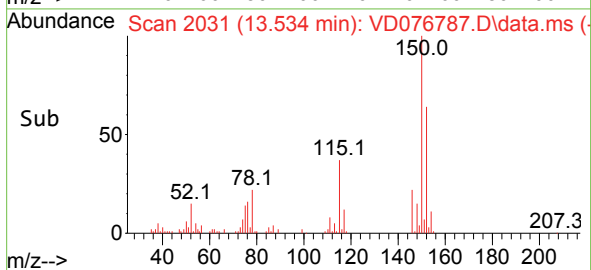
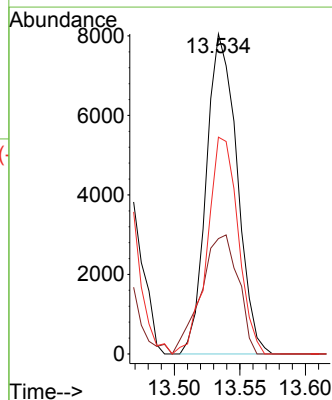
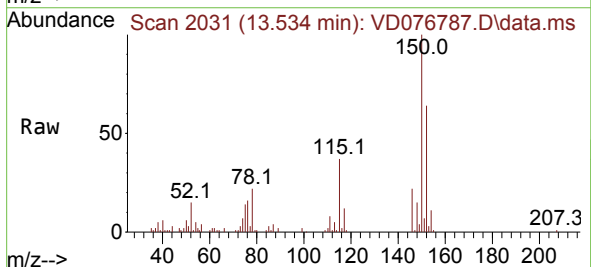
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

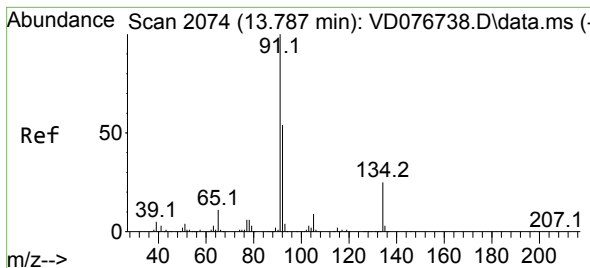
Tgt Ion:146 Resp: 11521
Ion Ratio Lower Upper
146 100
111 47.7 17.9 53.8
148 70.7 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 3.443 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:146 Resp: 13107
Ion Ratio Lower Upper
146 100
111 44.9 17.4 52.3
148 67.9 31.7 95.1





#89

n-Butylbenzene

Concen: 2.455 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

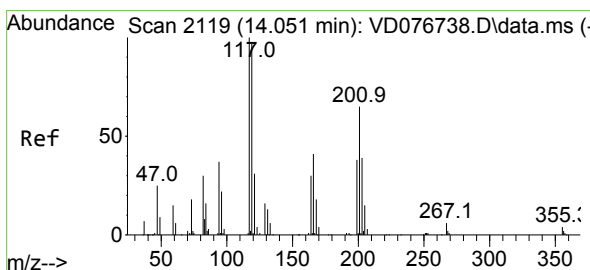
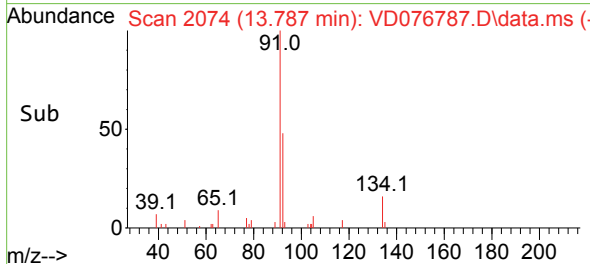
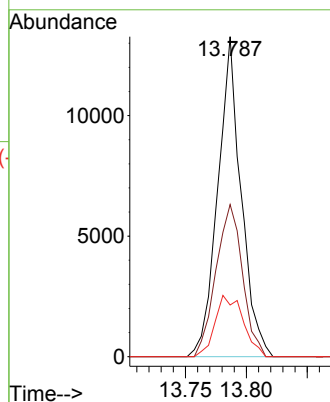
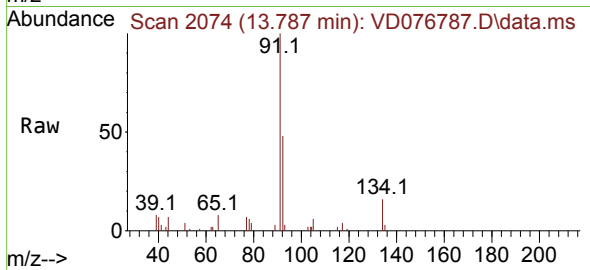
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	91	Resp:	17660
Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.5	79.5
134	23.1	13.8	41.3



#90

Hexachloroethane

Concen: 2.851 ug/l

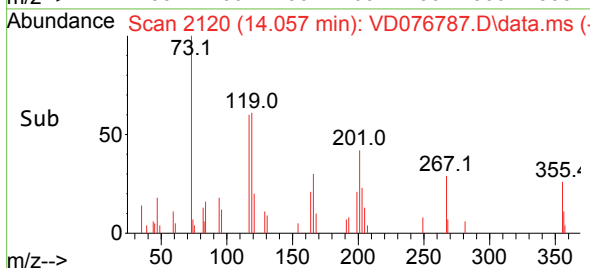
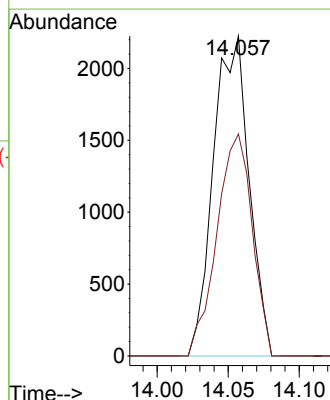
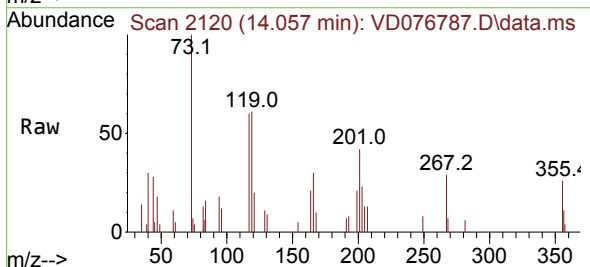
RT: 14.057 min Scan# 2120

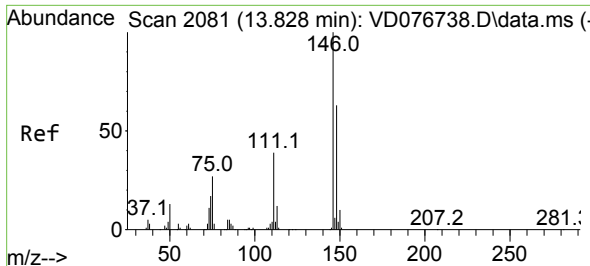
Delta R.T. 0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Tgt Ion:	117	Resp:	3875
Ion	Ratio	Lower	Upper
117	100		
201	69.0	38.5	115.5





#91

1,2-Dichlorobenzene

Concen: 3.089 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

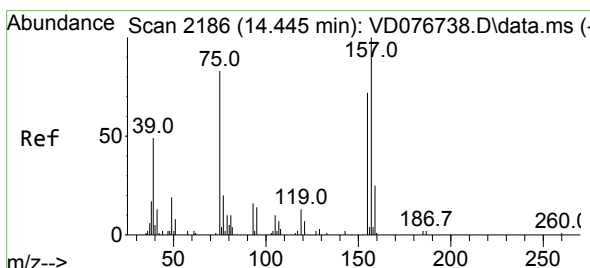
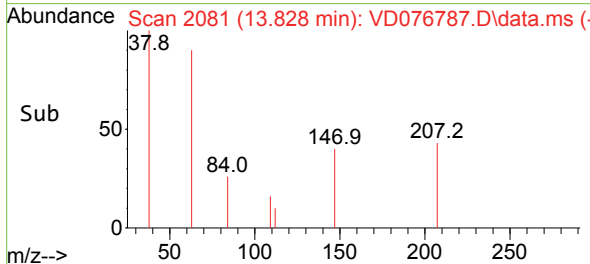
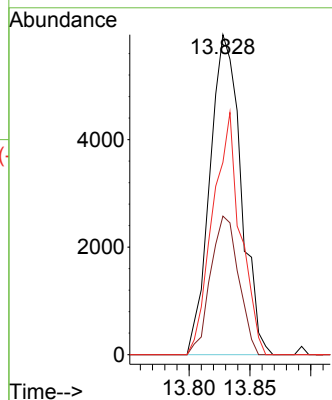
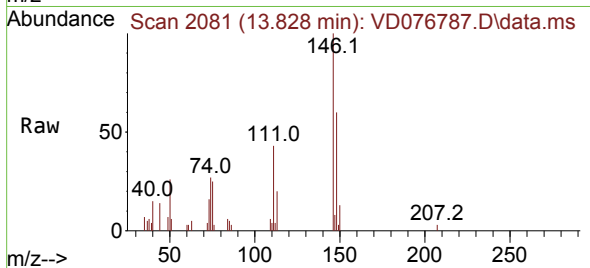
Tgt Ion:146 Resp: 10575

Ion Ratio Lower Upper

146 100

111 39.1 18.3 54.8

148 67.9 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.740 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

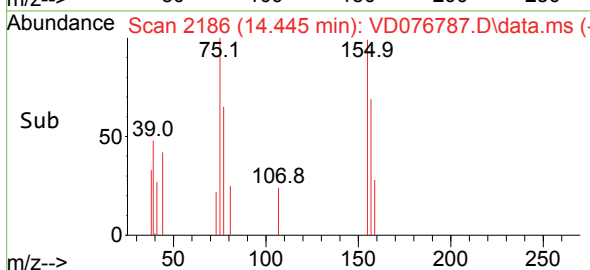
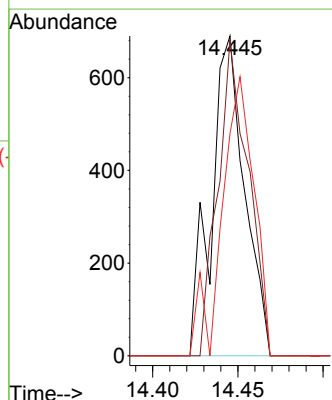
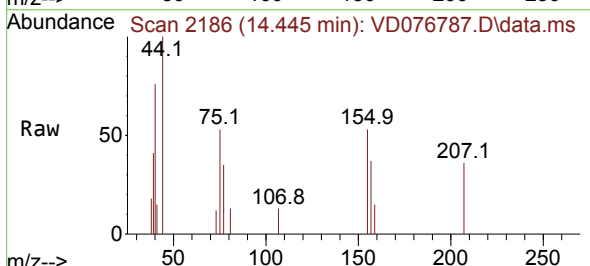
Tgt Ion: 75 Resp: 937

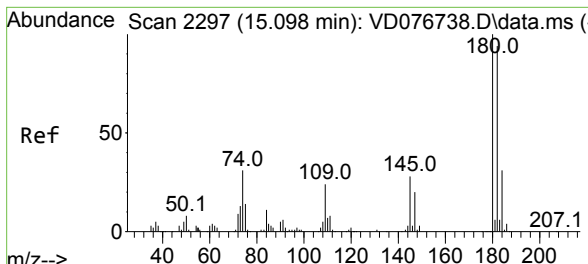
Ion Ratio Lower Upper

75 100

155 90.1 47.9 143.8

157 84.2 59.9 179.7

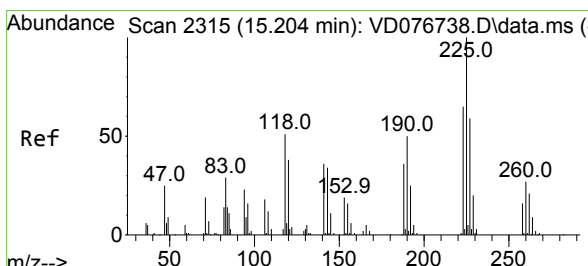
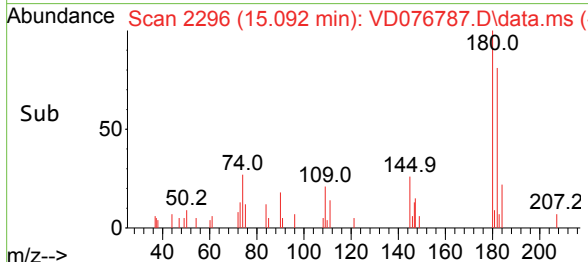
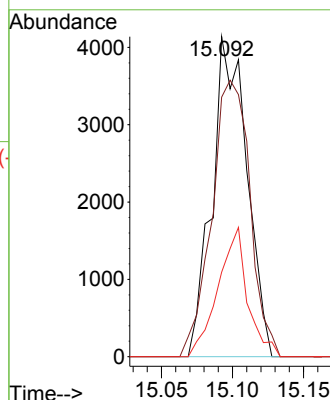
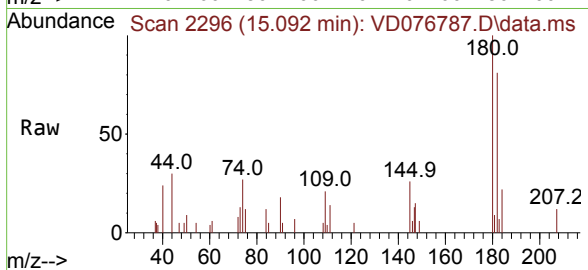




#93
1,2,4-Trichlorobenzene
Concen: 3.374 ug/l
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

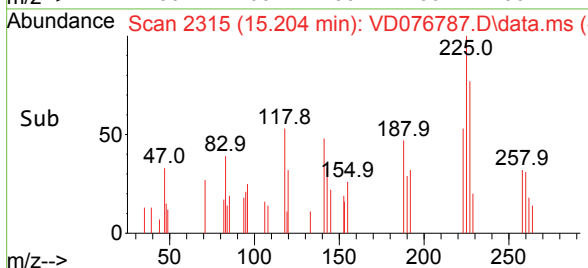
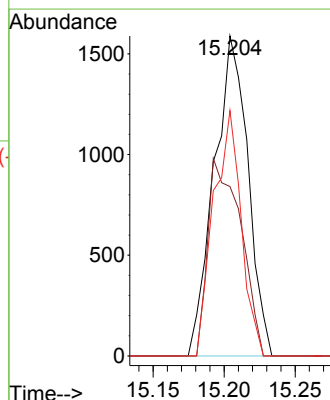
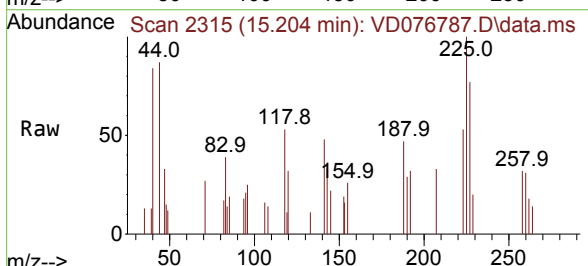
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

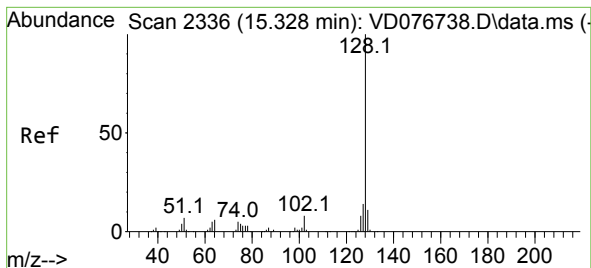
Tgt Ion:180	Resp:	7053
Ion Ratio	Lower	Upper
180	100	
182	94.9	48.5 145.6
145	34.3	14.2 42.6



#94
Hexachlorobutadiene
Concen: 2.617 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD076787.D
Acq: 19 Jul 2023 13:34

Tgt Ion:225	Resp:	2631
Ion Ratio	Lower	Upper
225	100	
223	60.1	31.6 94.8
227	62.3	31.7 95.1





#95

Naphthalene

Concen: 3.145 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

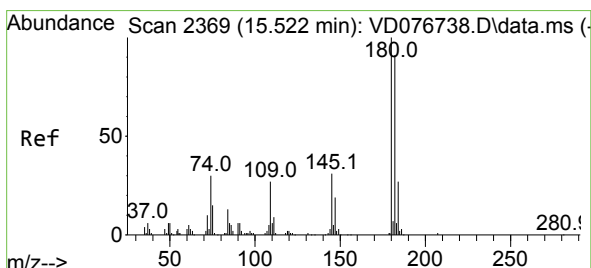
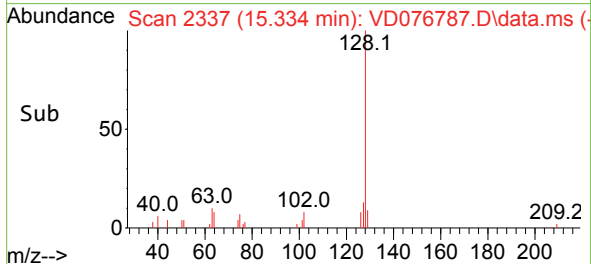
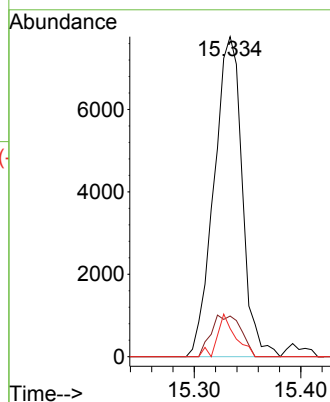
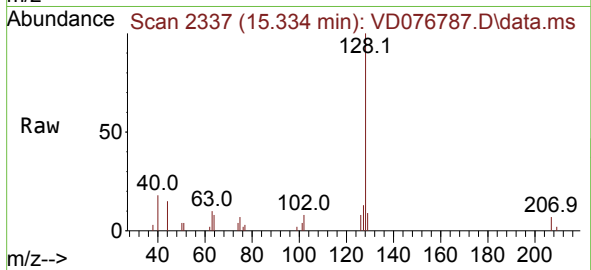
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	128	Resp:	14235
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	8.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.333 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD076787.D

Acq: 19 Jul 2023 13:34

Tgt Ion:	180	Resp:	6252
Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.3	141.9
145	31.1	15.1	45.3

