

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076788.D
 Acq On : 19 Jul 2023 14:02
 Operator : KP/SY
 Sample : 03572-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 20 06:09:05 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	138506	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	264065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	242293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	106883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74384	53.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.840%	
35) Dibromofluoromethane	7.804	113	88831	53.532	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.060%	
50) Toluene-d8	10.269	98	294678	49.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.280%	
62) 4-Bromofluorobenzene	12.575	95	93444	48.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	5084	4.694	ug/l	99
3) Chloromethane	2.146	50	8045	4.306	ug/l #	85
4) Vinyl Chloride	2.281	62	11006	4.419	ug/l	94
5) Bromomethane	2.687	94	9774	4.770	ug/l	95
6) Chloroethane	2.840	64	8100	4.307	ug/l	95
7) Trichlorofluoromethane	3.175	101	9529	4.300	ug/l	92
8) Diethyl Ether	3.581	74	1851	2.426	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	3.963	101	6606	4.535	ug/l	91
10) Methyl Iodide	4.163	142	6593	4.015	ug/l	94
11) Tert butyl alcohol	5.040	59	1120	10.880	ug/l #	73
12) 1,1-Dichloroethene	3.946	96	5530	4.040	ug/l #	88
13) Acrolein	3.793	56	2040	29.079	ug/l	87
14) Allyl chloride	4.551	41	6532	3.633	ug/l #	62
15) Acrylonitrile	5.257	53	7673	20.475	ug/l	97
16) Acetone	4.034	43	5838	17.719	ug/l	95
17) Carbon Disulfide	4.269	76	12693	3.971	ug/l #	92
18) Methyl Acetate	4.563	43	5585	4.512	ug/l #	69
19) Methyl tert-butyl Ether	5.334	73	13953	3.802	ug/l	95
20) Methylene Chloride	4.798	84	17833	6.544	ug/l	99
21) trans-1,2-Dichloroethene	5.304	96	6192	3.892	ug/l	86
22) Diisopropyl ether	6.216	45	16336	3.837	ug/l #	86
23) Vinyl Acetate	6.157	43	29833	14.162	ug/l #	92
24) 1,1-Dichloroethane	6.110	63	13130	4.574	ug/l	93
25) 2-Butanone	7.081	43	9464	21.463	ug/l #	81
26) 2,2-Dichloropropane	7.075	77	12275	4.961	ug/l #	70
27) cis-1,2-Dichloroethene	7.075	96	7870	4.013	ug/l	82
28) Bromochloromethane	7.428	49	3492	4.866	ug/l #	84
29) Tetrahydrofuran	7.445	42	5022	19.276	ug/l #	75
30) Chloroform	7.592	83	13247	4.213	ug/l	89
31) Cyclohexane	7.875	56	11289	5.560	ug/l #	87
32) 1,1,1-Trichloroethane	7.798	97	11451	4.514	ug/l	99
36) 1,1-Dichloropropene	8.004	75	8319	3.836	ug/l	95
37) Ethyl Acetate	7.169	43	4252	4.385	ug/l #	91
38) Carbon Tetrachloride	7.987	117	8002	3.854	ug/l	90
39) Methylcyclohexane	9.275	83	9002	3.595	ug/l	95
40) Benzene	8.245	78	27804	4.064	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	2255	3.808	ug/l #	44
42) 1,2-Dichloroethane	8.328	62	6964	3.917	ug/l	82
43) Isopropyl Acetate	8.369	43	7100	3.752	ug/l #	82
44) Trichloroethene	9.028	130	7276	3.903	ug/l	93
45) 1,2-Dichloropropane	9.304	63	7720	4.371	ug/l	98
46) Dibromomethane	9.392	93	4464	4.318	ug/l	86
47) Bromodichloromethane	9.586	83	10152	3.913	ug/l #	93
48) Methyl methacrylate	9.386	41	3448	4.003	ug/l #	72
49) 1,4-Dioxane	9.398	88	656	49.529	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	17452	17.320	ug/l	94
52) Toluene	10.333	92	17806	3.963	ug/l	93
53) t-1,3-Dichloropropene	10.557	75	9132	3.792	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	10462	3.687	ug/l #	89
55) 1,1,2-Trichloroethane	10.733	97	5532	3.665	ug/l #	84
56) Ethyl methacrylate	10.598	69	5971	3.427	ug/l #	86
57) 1,3-Dichloropropane	10.880	76	9951	4.048	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	13779	20.431	ug/l	93
59) 2-Hexanone	10.922	43	13172	18.320	ug/l	87
60) Dibromochloromethane	11.075	129	6980	3.980	ug/l	99
61) 1,2-Dibromoethane	11.186	107	5244	3.747	ug/l	97
64) Tetrachloroethene	10.810	164	5407	3.914	ug/l	93
65) Chlorobenzene	11.604	112	18948	3.888	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.680	131	7406	4.082	ug/l	92
67) Ethyl Benzene	11.686	91	30552	3.570	ug/l	98
68) m/p-Xylenes	11.792	106	22472	6.837	ug/l	88
69) o-Xylene	12.122	106	11017	3.466	ug/l	89
70) Styrene	12.133	104	19324	3.473	ug/l	96
71) Bromoform	12.304	173	4154	4.181	ug/l #	94
73) Isopropylbenzene	12.422	105	28908	3.728	ug/l	99
74) N-amyl acetate	12.233	43	5641	3.453	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.675	83	7314	4.393	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	8392	8.256	ug/l #	100
77) Bromobenzene	12.698	156	6786	3.791	ug/l	78
78) n-propylbenzene	12.763	91	37174	3.954	ug/l	95
79) 2-Chlorotoluene	12.851	91	19834	3.848	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	22493	3.587	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	2130	4.460	ug/l #	88
82) 4-Chlorotoluene	12.945	91	20310	3.772	ug/l	98
83) tert-Butylbenzene	13.163	119	20947	3.794	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	22005	3.434	ug/l	96
85) sec-Butylbenzene	13.345	105	30917	3.665	ug/l	99
86) p-Isopropyltoluene	13.463	119	25263	3.627	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	13773	3.741	ug/l	92
88) 1,4-Dichlorobenzene	13.539	146	14570	4.039	ug/l	86
89) n-Butylbenzene	13.786	91	25819	3.788	ug/l	95
90) Hexachloroethane	14.051	117	5676	4.407	ug/l	79
91) 1,2-Dichlorobenzene	13.833	146	12857	3.963	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1155	4.865	ug/l	83
93) 1,2,4-Trichlorobenzene	15.098	180	7716	3.896	ug/l	95
94) Hexachlorobutadiene	15.204	225	3654	3.836	ug/l	90
95) Naphthalene	15.327	128	15401	3.591	ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	6720	3.781	ug/l	95

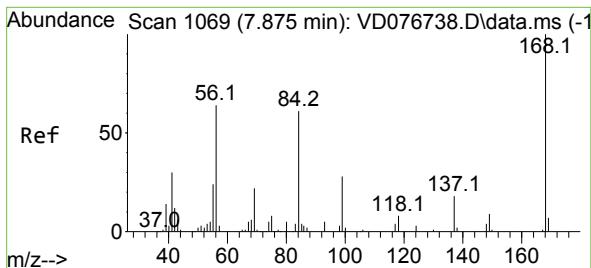
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076788.D

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Instrument :

MSVOA_D

ClientSampleId :

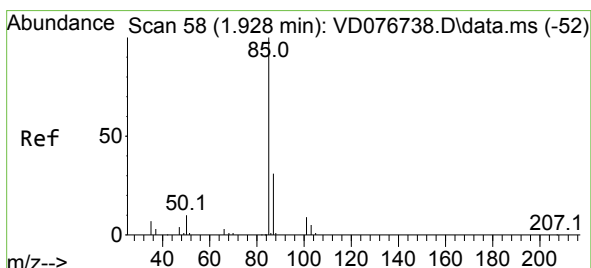
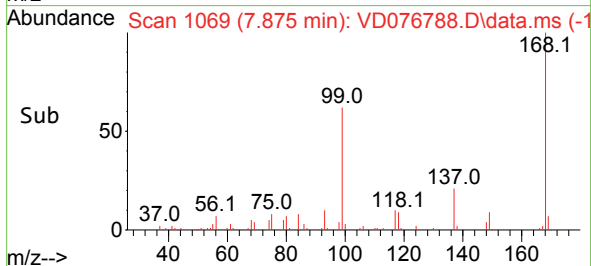
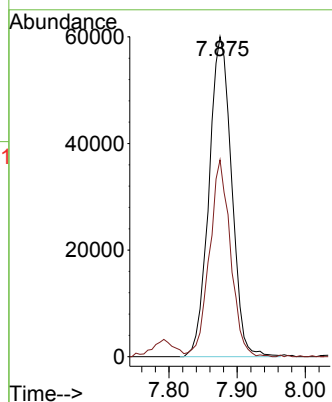
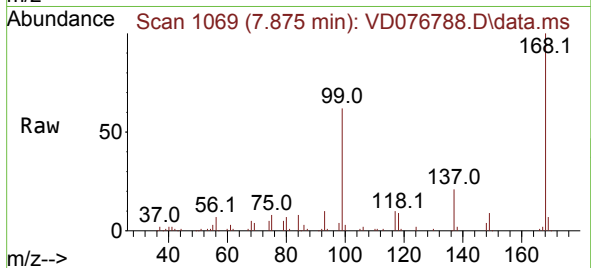
MDL-SOIL-03-QT3-2023

Tgt Ion:168 Resp: 138506

Ion Ratio Lower Upper

168 100

99 61.0 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 4.694 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.006 min

Lab File: VD076788.D

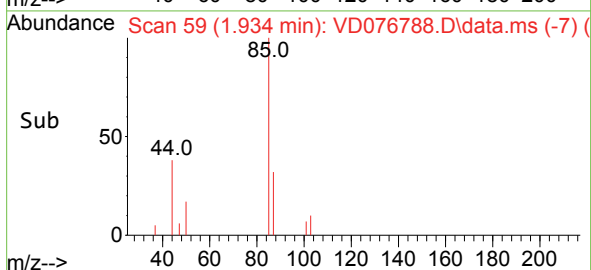
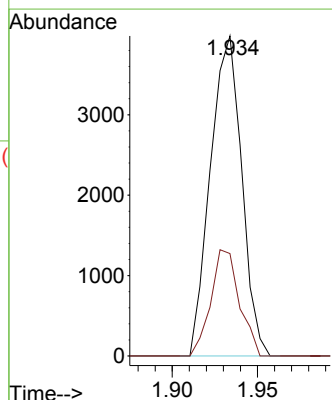
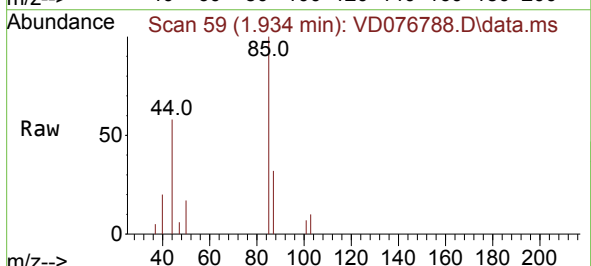
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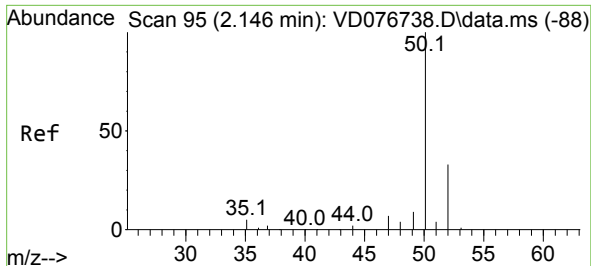
Tgt Ion: 85 Resp: 5084

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.0

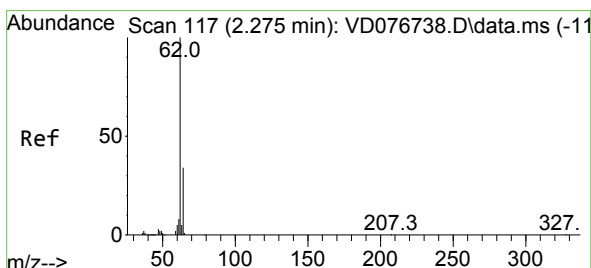
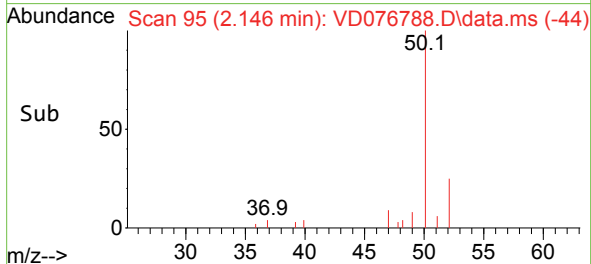
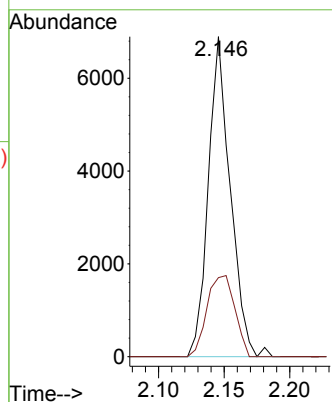
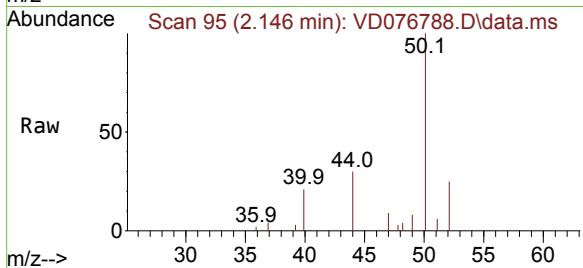




#3
Chloromethane
Concen: 4.306 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

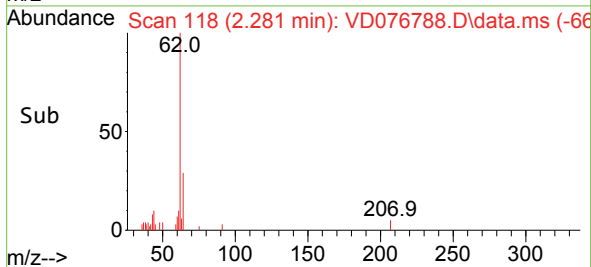
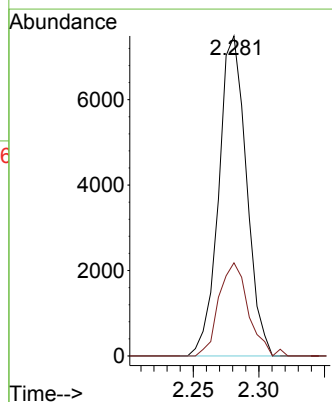
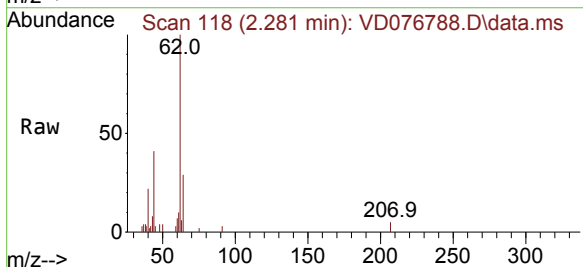
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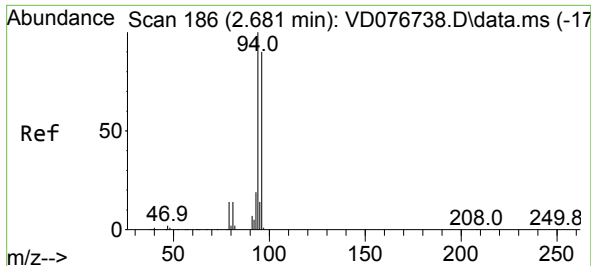
Tgt Ion: 50 Resp: 8045
Ion Ratio Lower Upper
50 100
52 24.7 26.6 40.0#



#4
Vinyl Chloride
Concen: 4.419 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 62 Resp: 11006
Ion Ratio Lower Upper
62 100
64 29.1 26.0 39.0

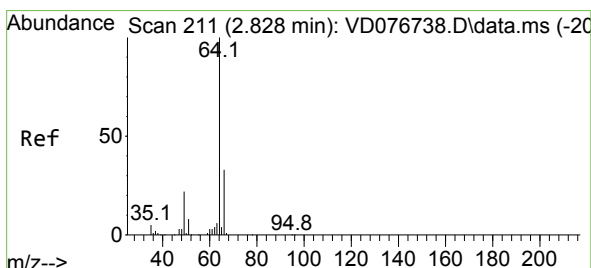
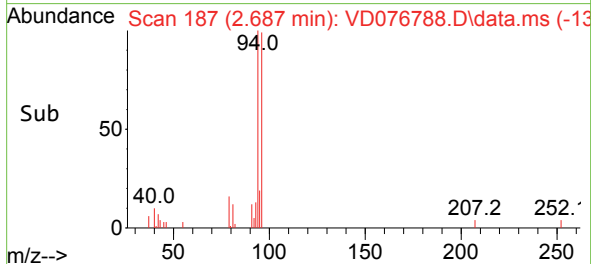
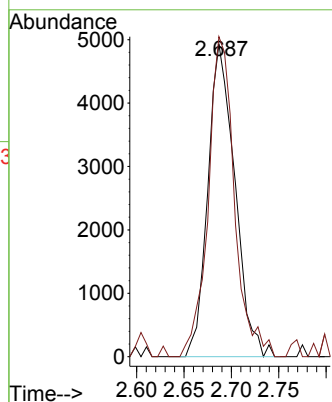
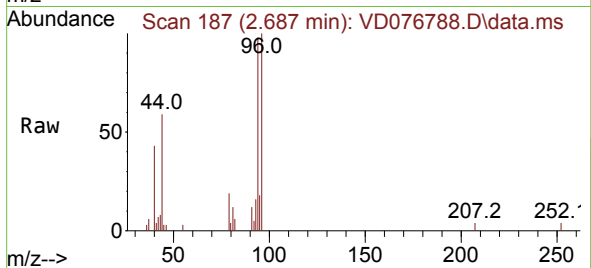




#5
Bromomethane
Concen: 4.770 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

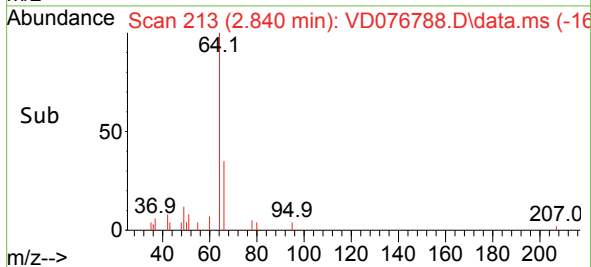
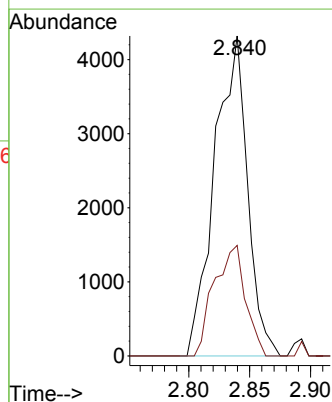
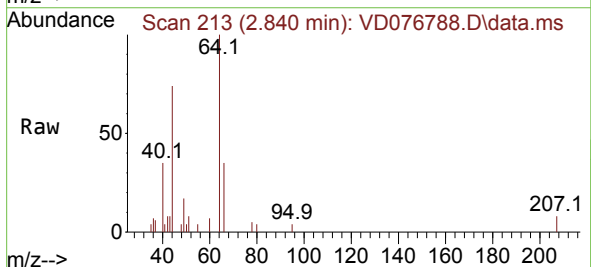
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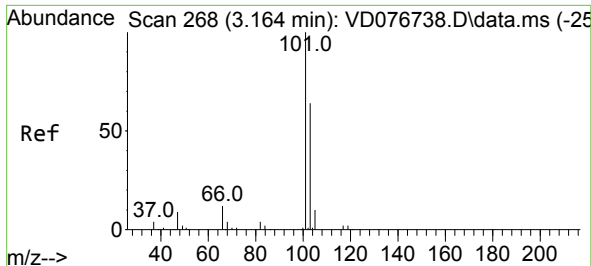
Tgt Ion: 94 Resp: 9774
Ion Ratio Lower Upper
94 100
96 99.5 75.8 113.8



#6
Chloroethane
Concen: 4.307 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.012 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 64 Resp: 8100
Ion Ratio Lower Upper
64 100
66 34.6 25.5 38.3

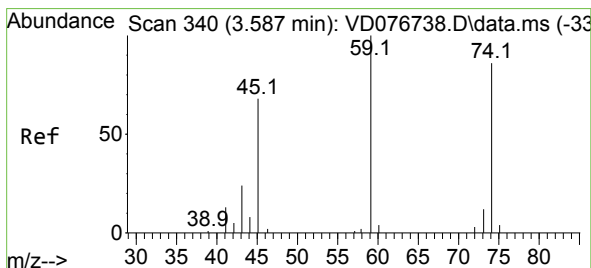
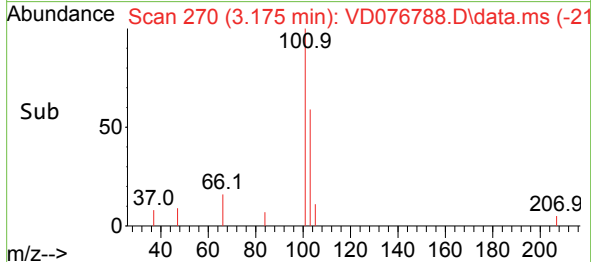
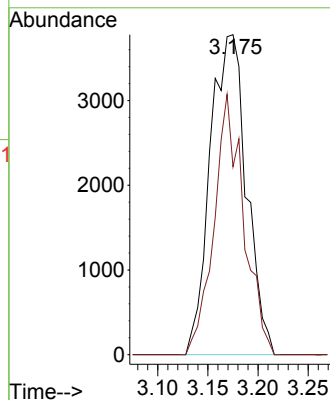
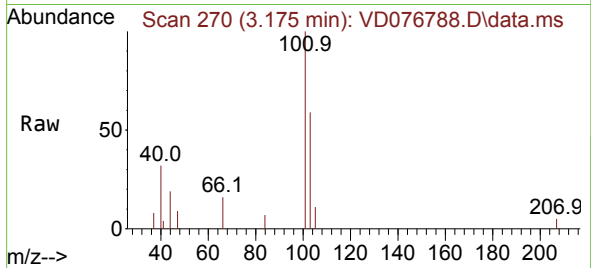




#7
Trichlorofluoromethane
Concen: 4.300 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

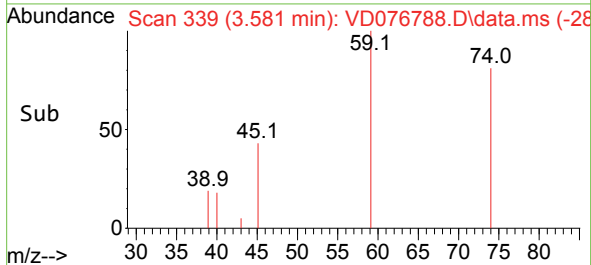
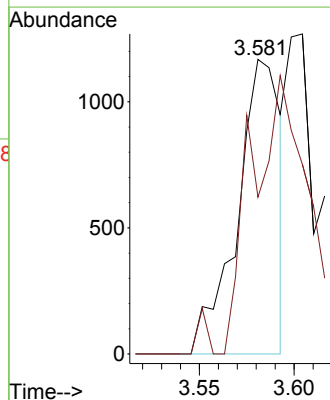
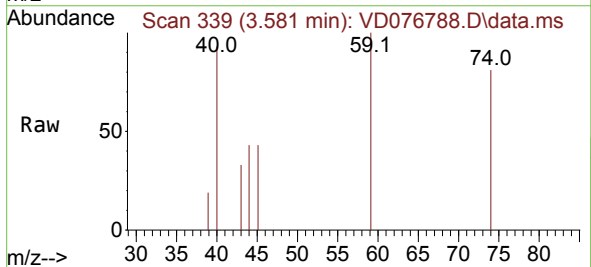
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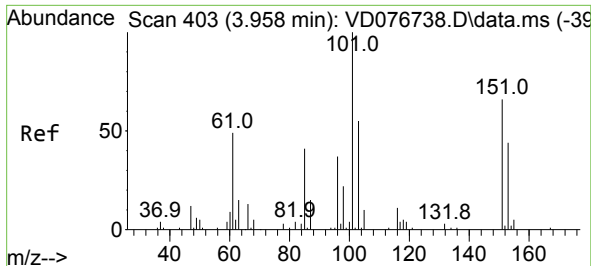
Tgt Ion:101 Resp: 9529
Ion Ratio Lower Upper
101 100
103 58.8 52.3 78.5



#8
Diethyl Ether
Concen: 2.426 ug/l
RT: 3.581 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 74 Resp: 1851
Ion Ratio Lower Upper
74 100
45 125.9 37.5 112.7#

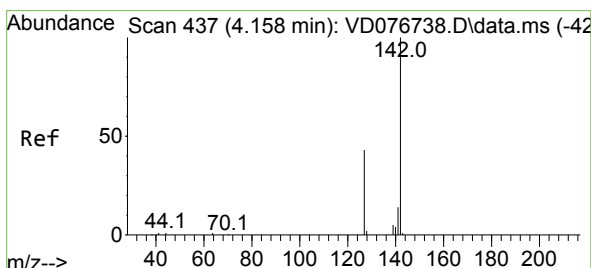
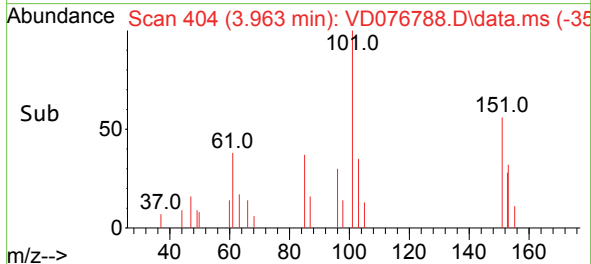
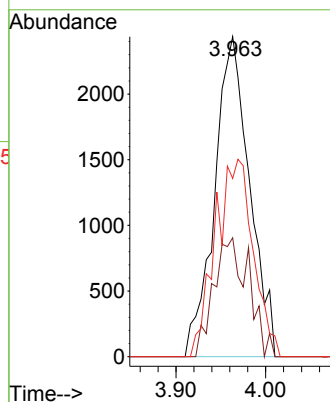
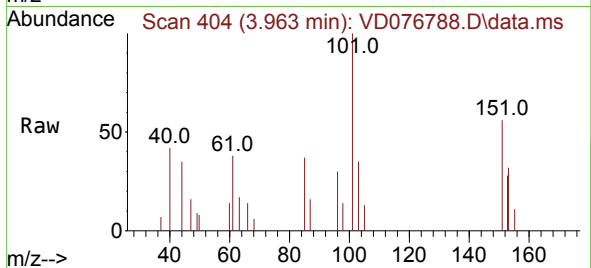




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.535 ug/l
RT: 3.963 min Scan# 403
Delta R.T. 0.005 min
Lab File: VD076788.D
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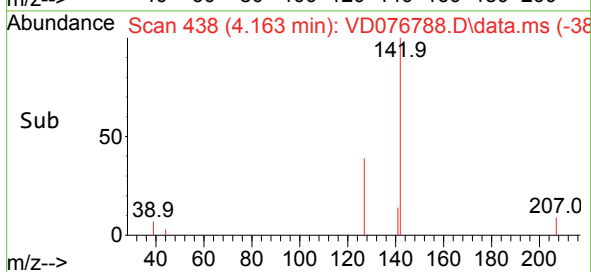
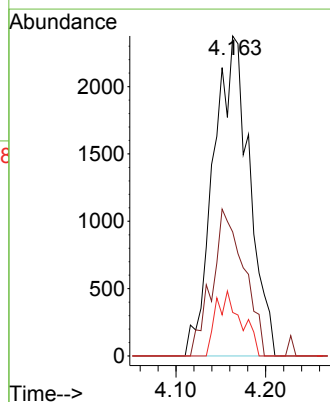
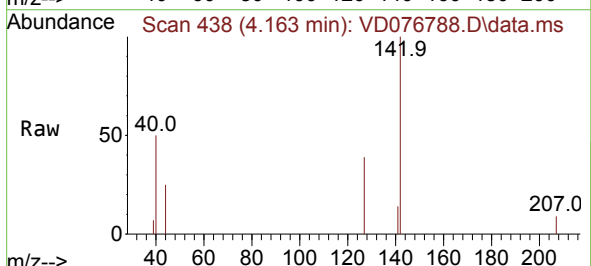
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

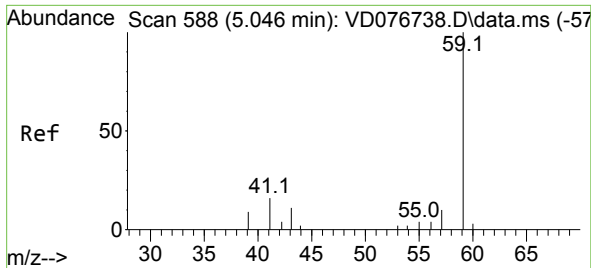
Tgt Ion:	101	Resp:	6606
Ion	Ratio	Lower	Upper
101	100		
85	37.0	33.8	50.6
151	66.9	59.8	89.6



#10
Methyl Iodide
Concen: 4.015 ug/l
RT: 4.163 min Scan# 438
Delta R.T. 0.005 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:	142	Resp:	6593
Ion	Ratio	Lower	Upper
142	100		
127	41.1	29.4	44.0
141	14.3	11.1	16.7

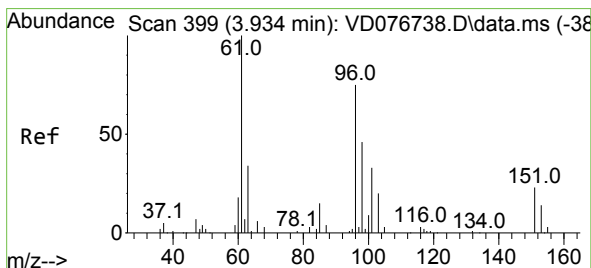
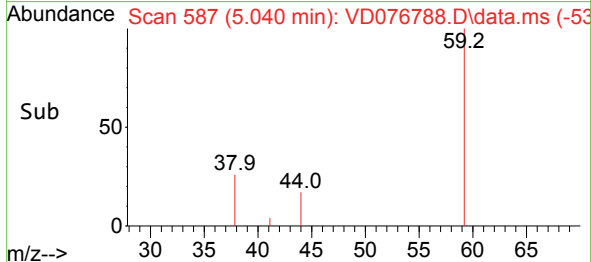
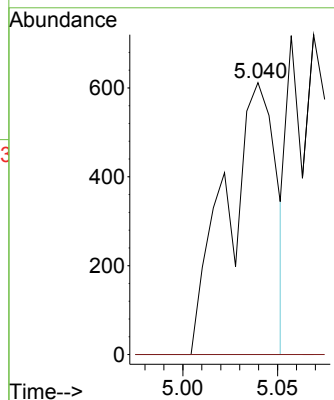
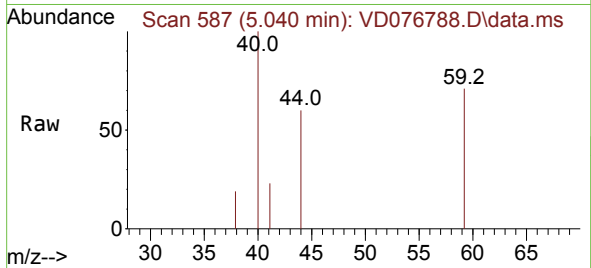




#11
Tert butyl alcohol
Concen: 10.880 ug/l
RT: 5.040 min Scan# 511
Delta R.T. -0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

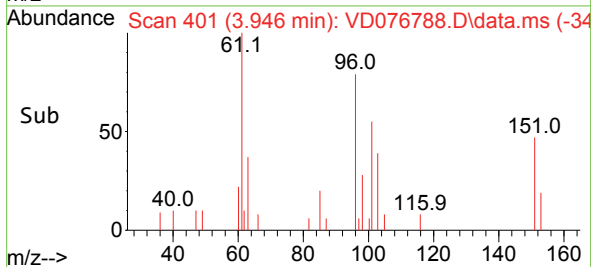
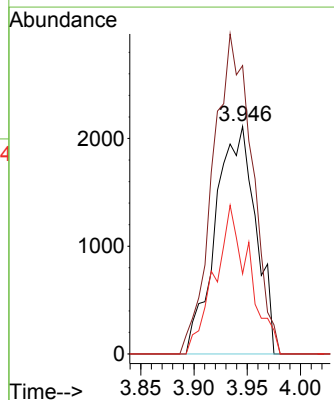
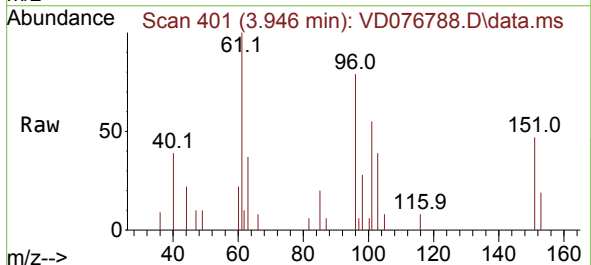
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

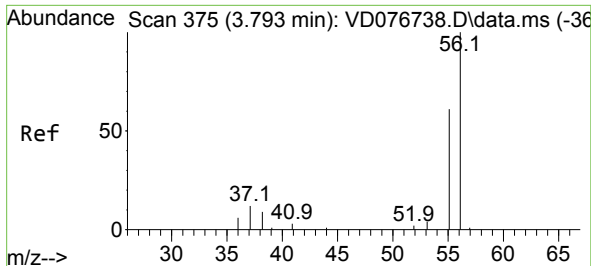
Tgt Ion: 59 Resp: 1120
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 4.040 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.012 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 96 Resp: 5530
Ion Ratio Lower Upper
96 100
61 126.7 100.6 150.8
98 35.2 50.2 75.2#

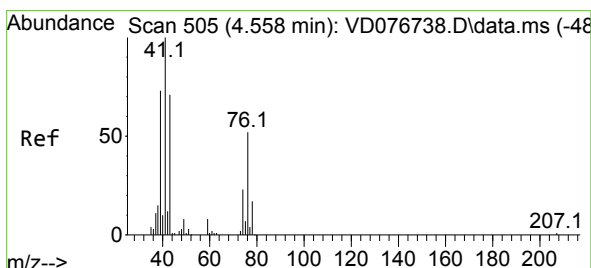
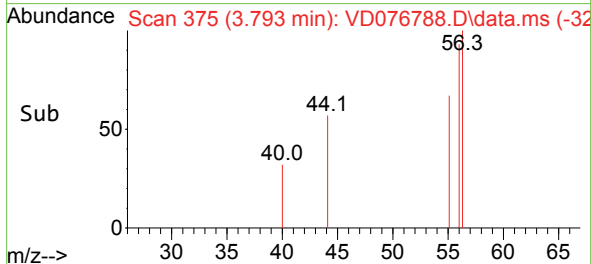
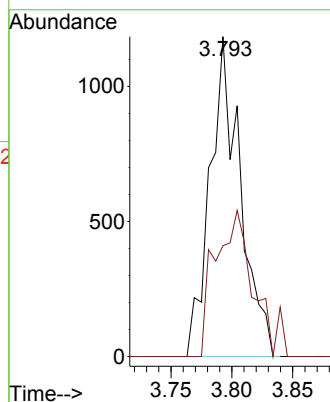
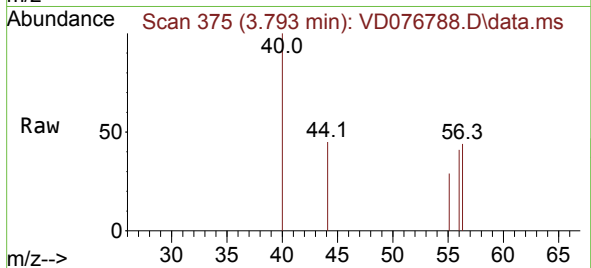




#13
Acrolein
Concen: 29.079 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

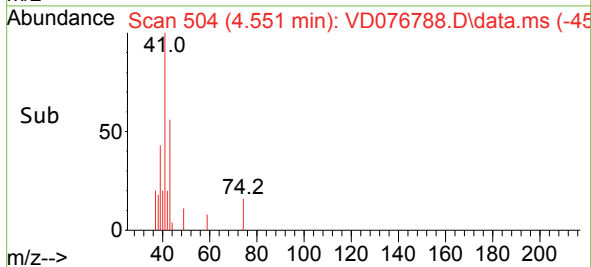
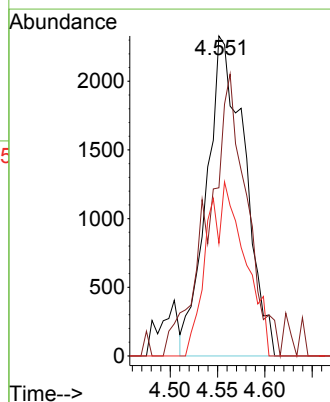
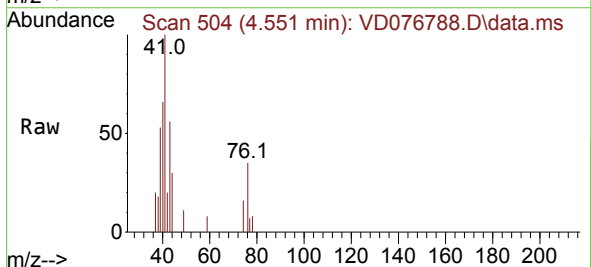
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

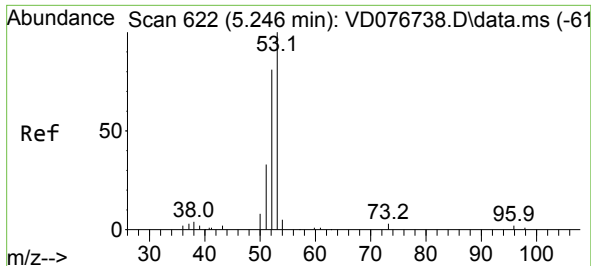
Tgt Ion: 56 Resp: 2040
Ion Ratio Lower Upper
56 100
55 58.2 55.1 82.7



#14
Allyl chloride
Concen: 3.633 ug/l
RT: 4.551 min Scan# 504
Delta R.T. -0.007 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 41 Resp: 6532
Ion Ratio Lower Upper
41 100
39 90.0 53.8 80.6#
76 21.1 45.8 68.8#

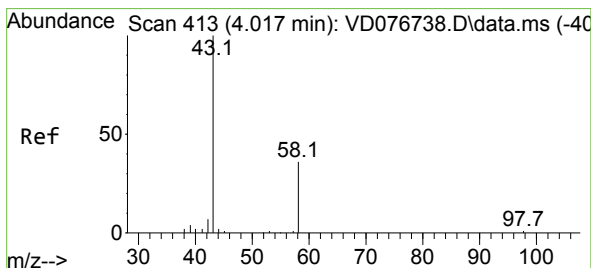
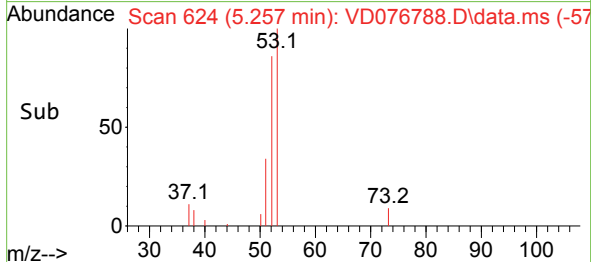
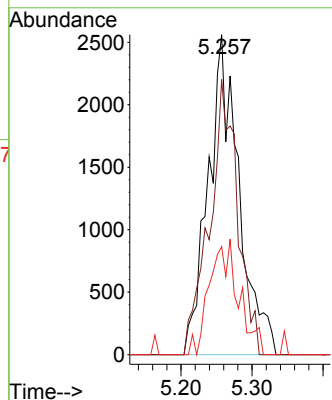
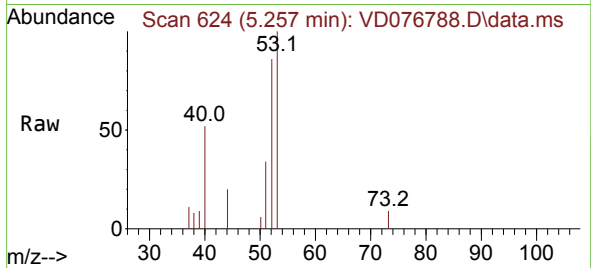




#15
Acrylonitrile
Concen: 20.475 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

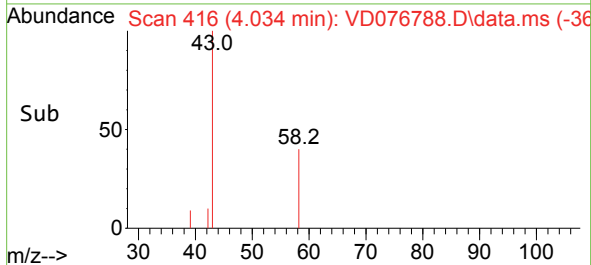
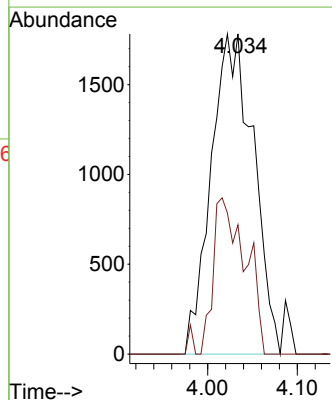
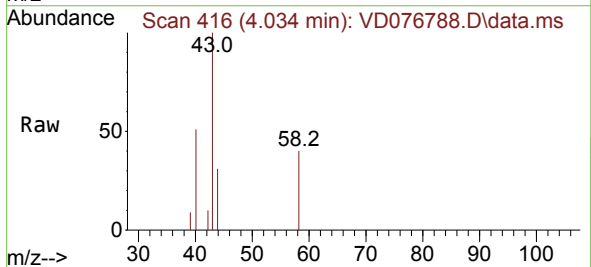
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

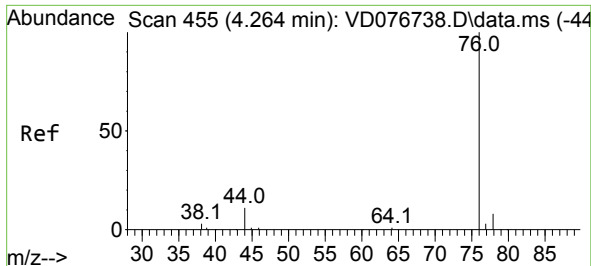
Tgt Ion:	53	Resp:	7673
Ion	Ratio	Lower	Upper
53	100		
52	78.2	65.0	97.4
51	33.9	28.3	42.5



#16
Acetone
Concen: 17.719 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:	43	Resp:	5838
Ion	Ratio	Lower	Upper
43	100		
58	40.3	34.7	52.1





#17

Carbon Disulfide

Concen: 3.971 ug/l

RT: 4.269 min Scan# 4

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

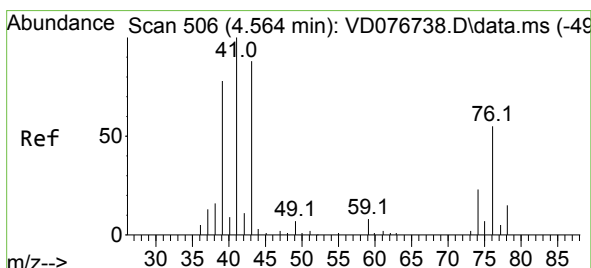
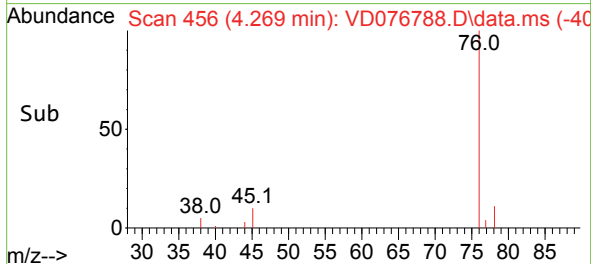
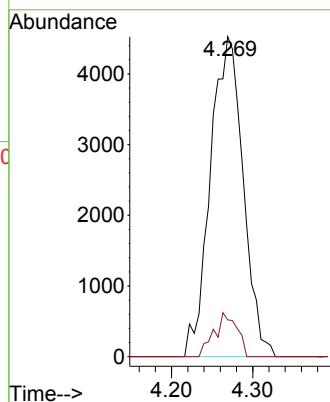
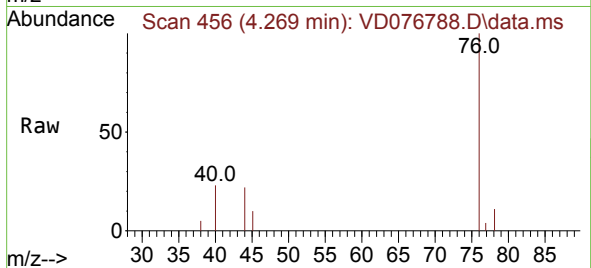
MDL-SOIL-03-QT3-2023

Tgt Ion: 76 Resp: 12693

Ion Ratio Lower Upper

76 100

78 11.5 6.8 10.2#



#18

Methyl Acetate

Concen: 4.512 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.001 min

Lab File: VD076788.D

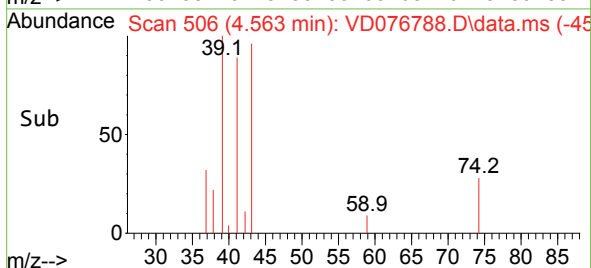
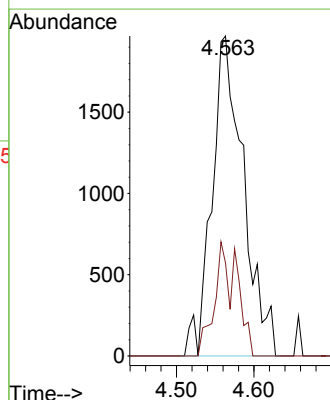
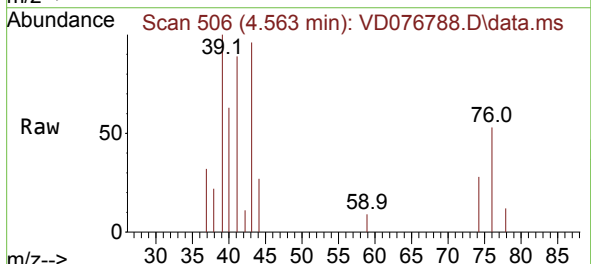
Acq: 19 Jul 2023 14:02

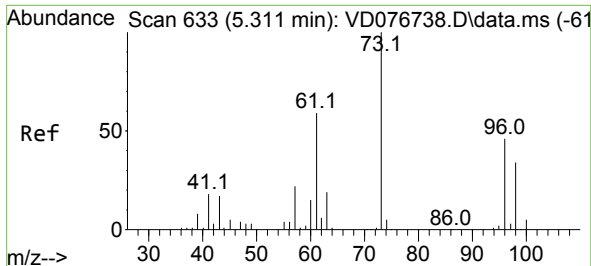
Tgt Ion: 43 Resp: 5585

Ion Ratio Lower Upper

43 100

74 15.7 26.4 39.6#

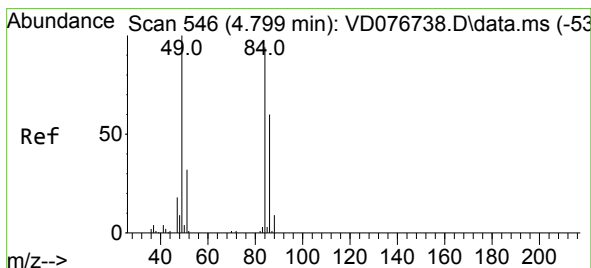
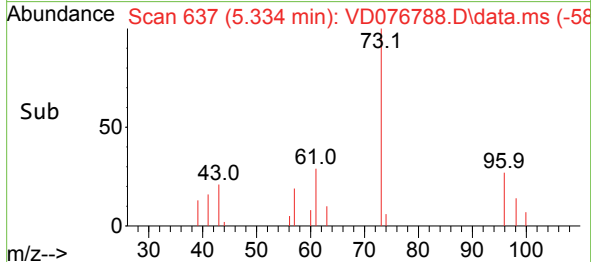
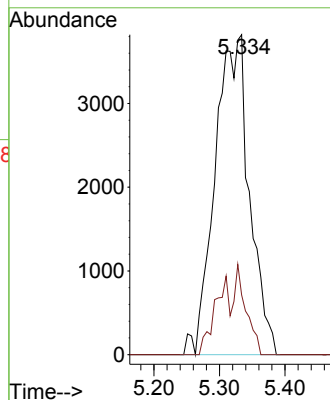
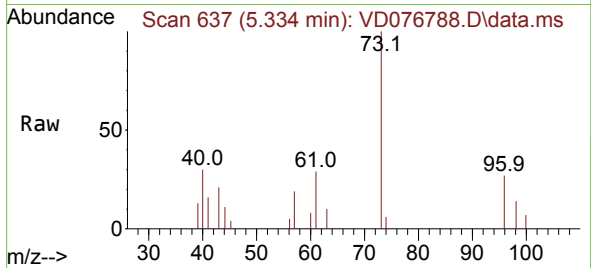




#19
Methyl tert-butyl Ether
Concen: 3.802 ug/l
RT: 5.334 min Scan# 61
Delta R.T. 0.023 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

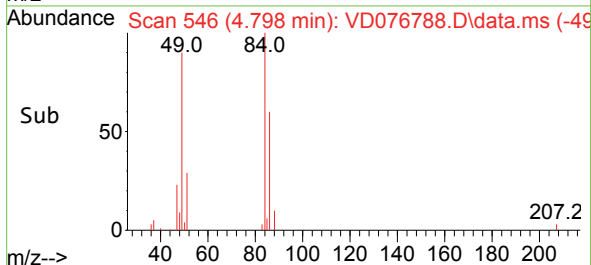
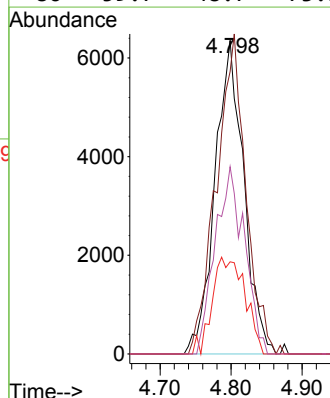
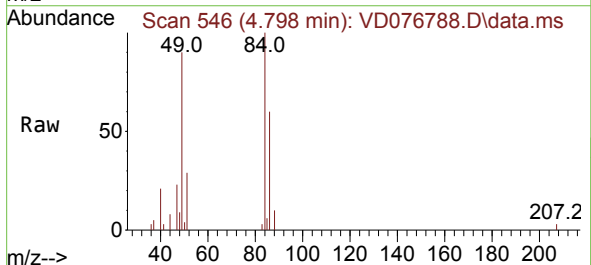
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

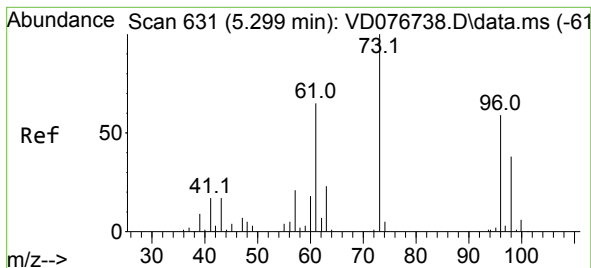
Tgt Ion: 73 Resp: 13953
Ion Ratio Lower Upper
73 100
57 18.7 16.6 25.0



#20
Methylene Chloride
Concen: 6.544 ug/l
RT: 4.798 min Scan# 546
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 84 Resp: 17833
Ion Ratio Lower Upper
84 100
49 90.1 71.4 107.2
51 29.4 24.5 36.7
86 59.7 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 3.892 ug/l

RT: 5.304 min Scan# 61

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

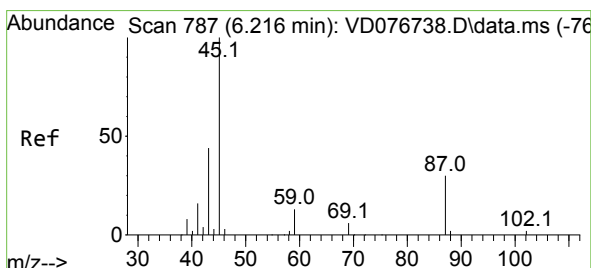
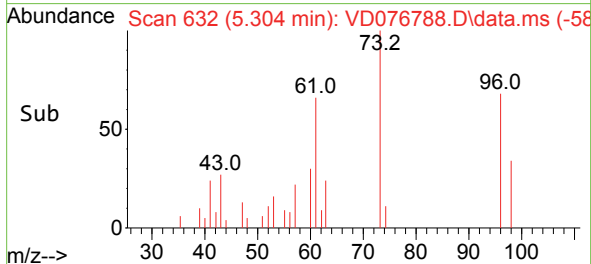
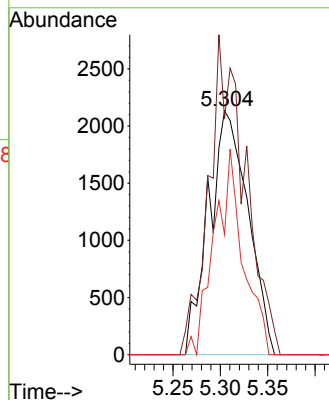
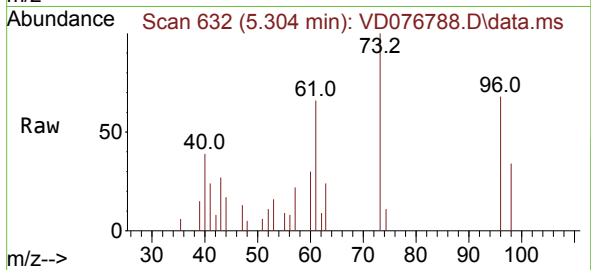
Tgt Ion: 96 Resp: 6192

Ion Ratio Lower Upper

96 100

61 96.9 89.3 133.9

98 49.4 48.6 73.0



#22

Diisopropyl ether

Concen: 3.837 ug/l

RT: 6.216 min Scan# 787

Delta R.T. 0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion: 45 Resp: 16336

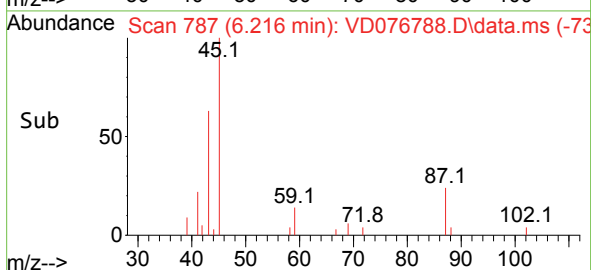
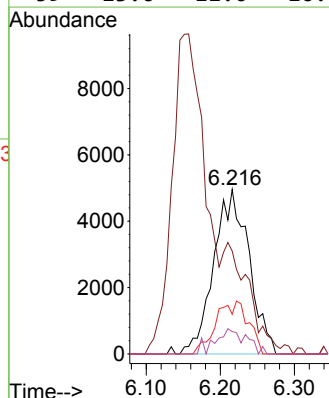
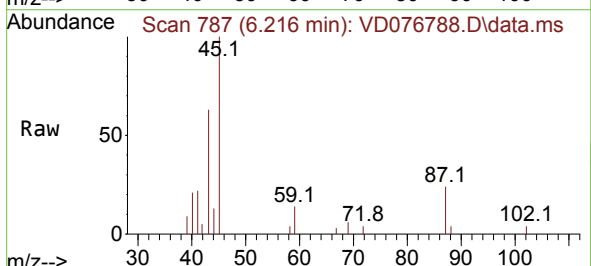
Ion Ratio Lower Upper

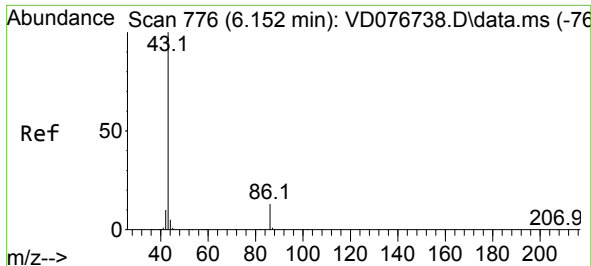
45 100

43 59.2 40.0 60.0

87 24.1 28.2 42.4#

59 13.6 11.0 16.4

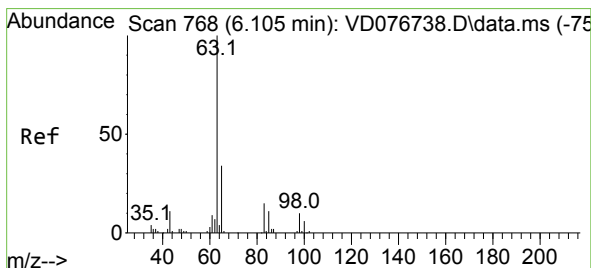
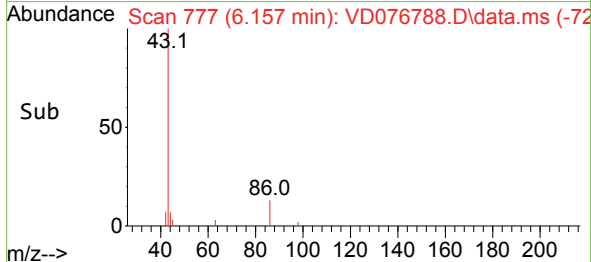
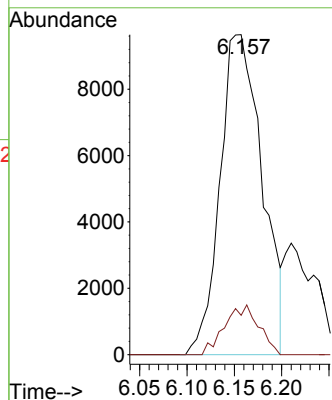
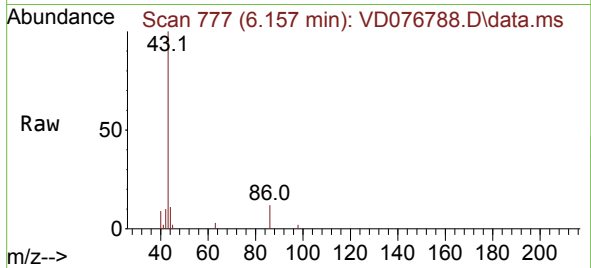




#23
 Vinyl Acetate
 Concen: 14.162 ug/l
 RT: 6.157 min Scan# 71
 Delta R.T. 0.005 min
 Lab File: VD076788.D
 Acq: 19 Jul 2023 14:02

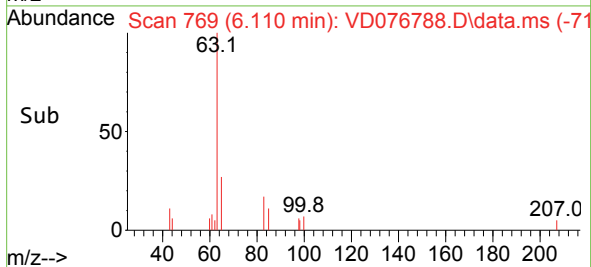
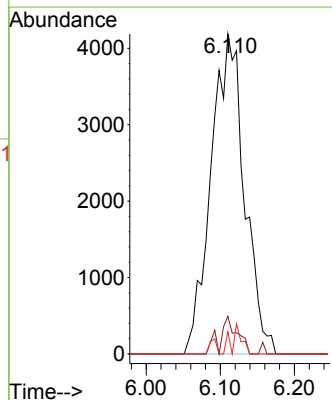
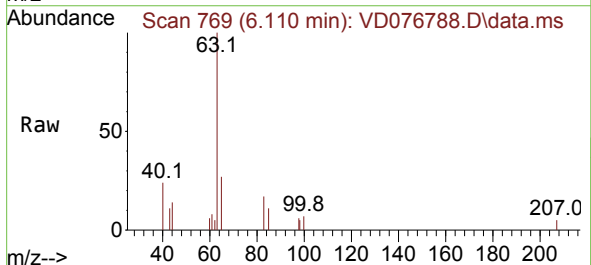
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

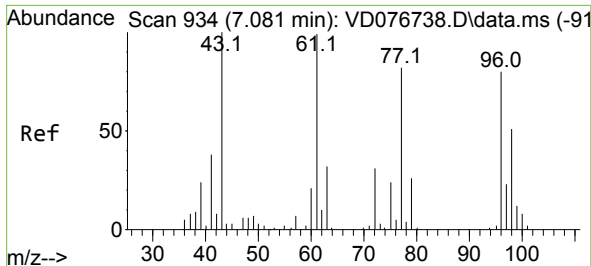
Tgt Ion: 43 Resp: 29833
 Ion Ratio Lower Upper
 43 100
 86 12.3 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 4.574 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076788.D
 Acq: 19 Jul 2023 14:02

Tgt Ion: 63 Resp: 13130
 Ion Ratio Lower Upper
 63 100
 98 11.7 4.5 13.7
 100 6.9 2.5 7.5

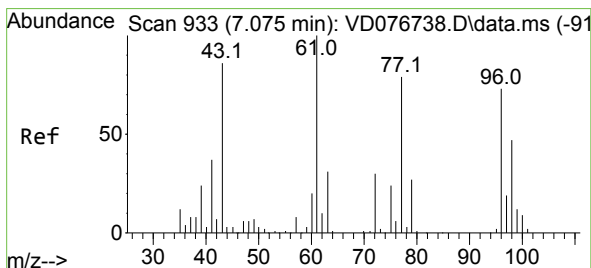
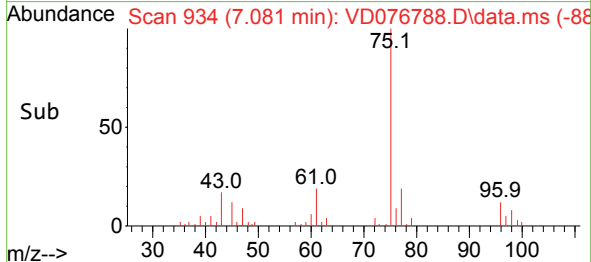
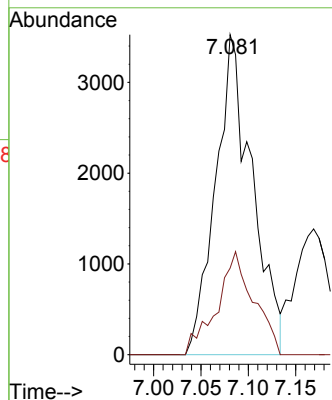
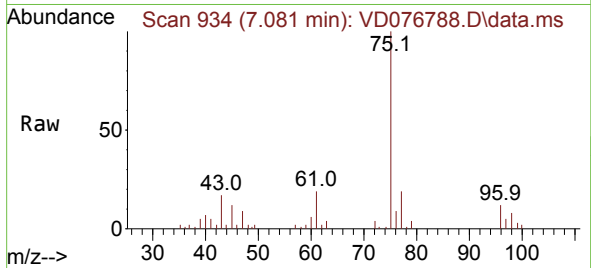




#25
2-Butanone
Concen: 21.463 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

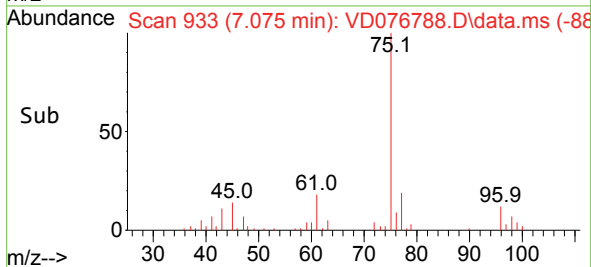
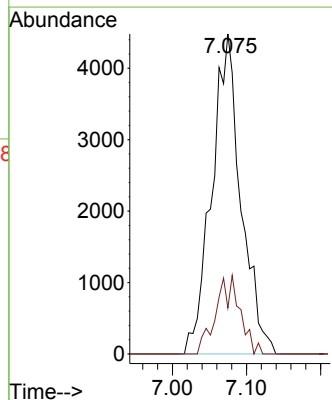
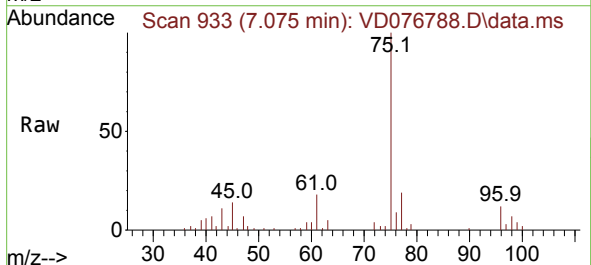
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

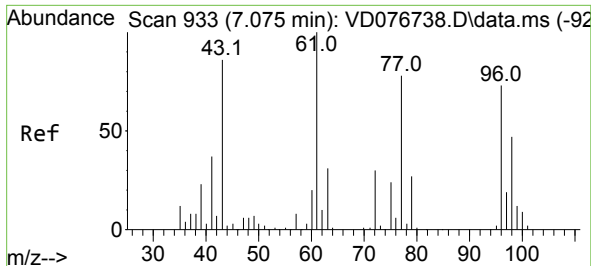
Tgt Ion: 43 Resp: 9464
Ion Ratio Lower Upper
43 100
72 27.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 4.961 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 77 Resp: 12275
Ion Ratio Lower Upper
77 100
97 11.0 13.2 39.6#





#27

cis-1,2-Dichloroethene

Concen: 4.013 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

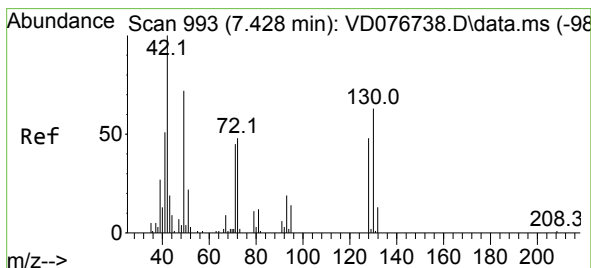
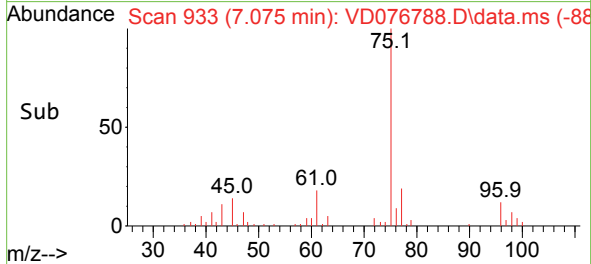
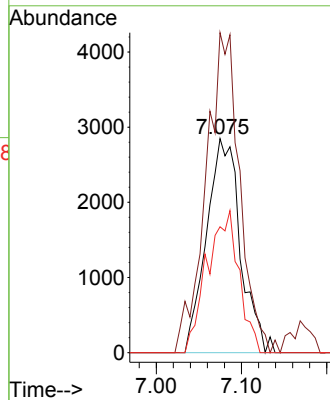
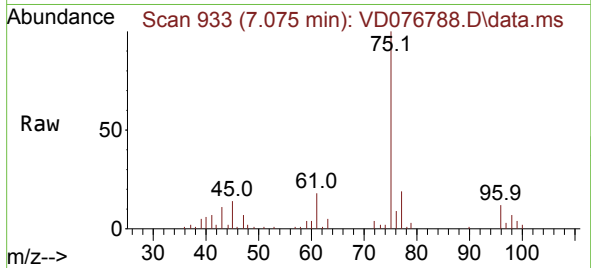
Tgt Ion: 96 Resp: 7870

Ion Ratio Lower Upper

96 100

61 148.2 0.0 239.2

98 62.4 0.0 128.6



#28

Bromochloromethane

Concen: 4.866 ug/l

RT: 7.428 min Scan# 993

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

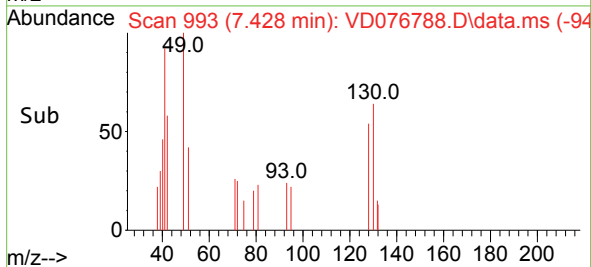
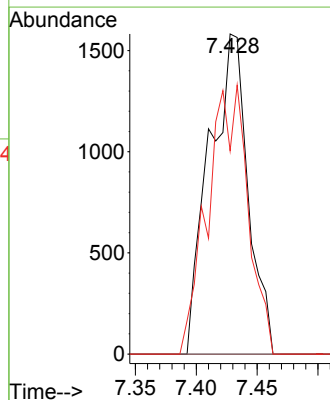
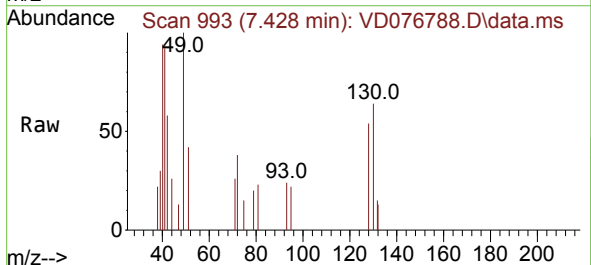
Tgt Ion: 49 Resp: 3492

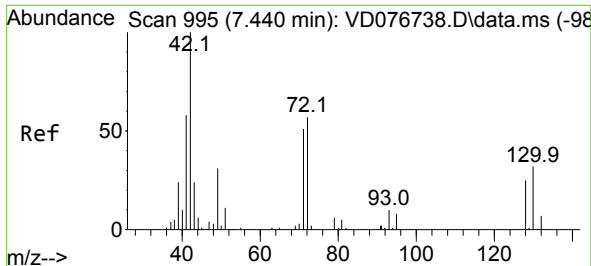
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 87.4 83.2 124.8





#29

Tetrahydrofuran

Concen: 19.276 ug/l

RT: 7.445 min Scan# 995

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

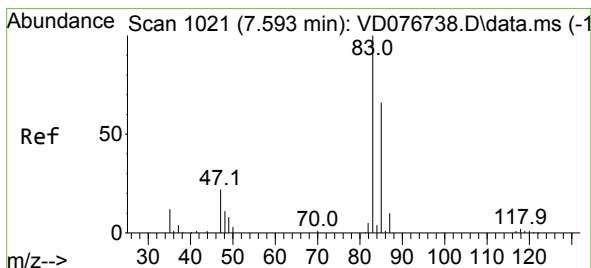
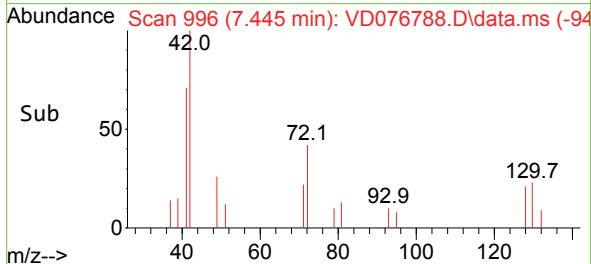
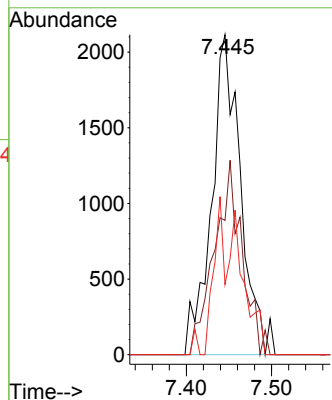
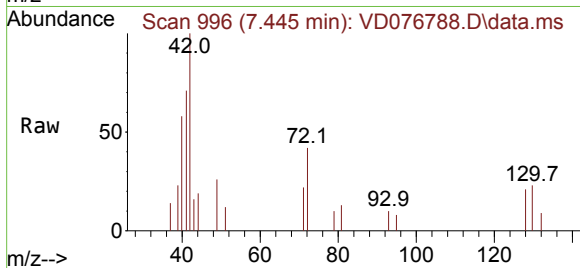
Tgt Ion: 42 Resp: 5022

Ion Ratio Lower Upper

42 100

72 57.5 46.5 69.7

71 19.0 44.5 66.7#



#30

Chloroform

Concen: 4.213 ug/l

RT: 7.592 min Scan# 1021

Delta R.T. -0.001 min

Lab File: VD076788.D

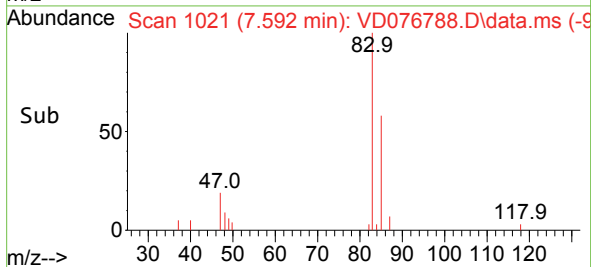
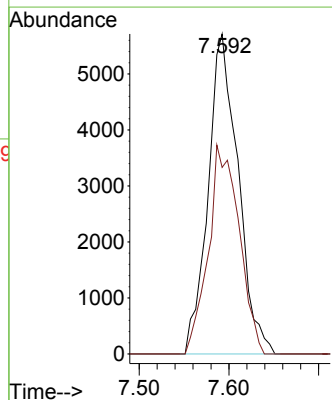
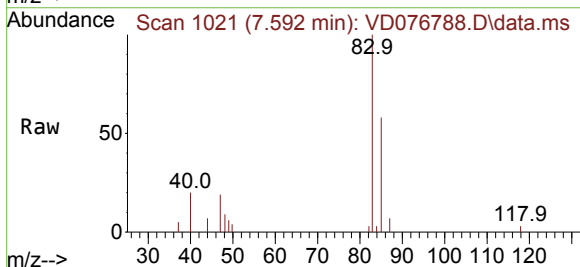
Acq: 19 Jul 2023 14:02

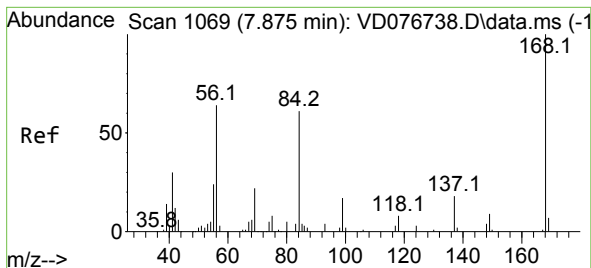
Tgt Ion: 83 Resp: 13247

Ion Ratio Lower Upper

83 100

85 58.3 53.4 80.2





#31

Cyclohexane

Concen: 5.560 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

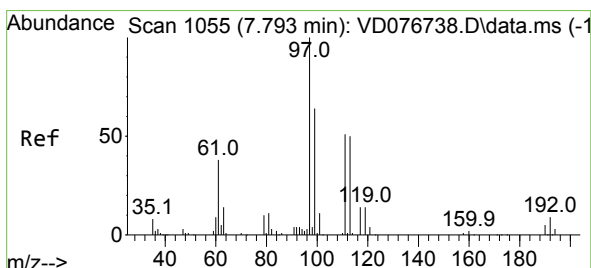
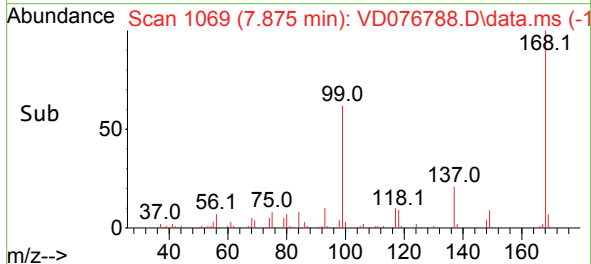
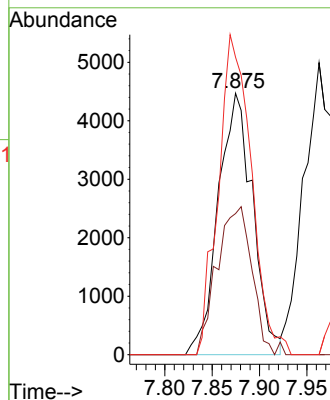
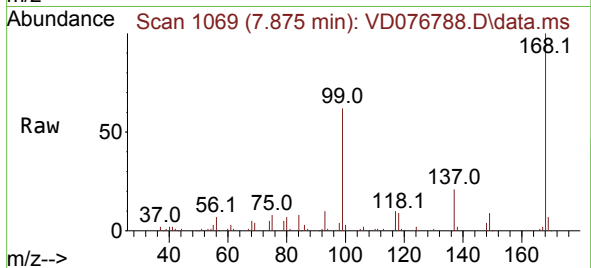
Tgt Ion: 56 Resp: 11289

Ion Ratio Lower Upper

56 100

69 53.9 28.6 43.0#

84 113.7 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 4.514 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

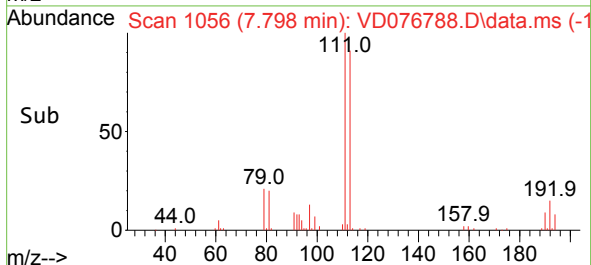
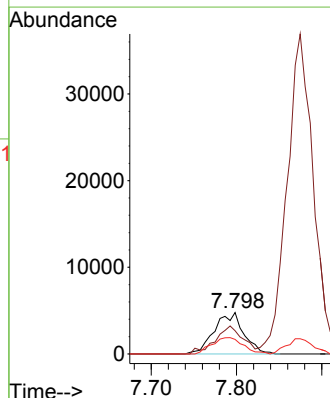
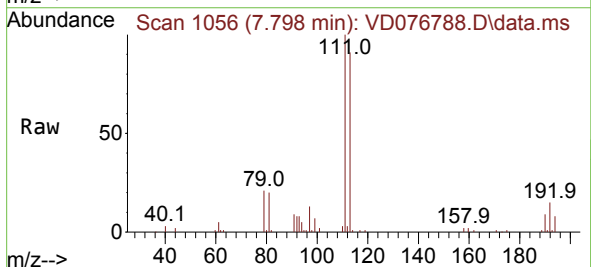
Tgt Ion: 97 Resp: 11451

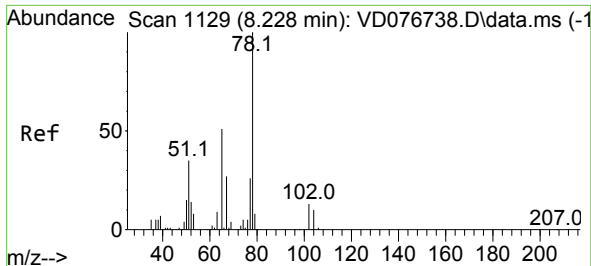
Ion Ratio Lower Upper

97 100

99 63.5 52.0 78.0

61 42.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 53.919 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

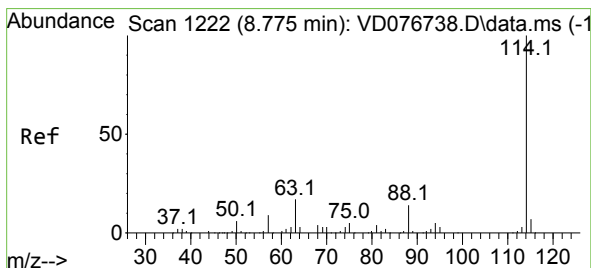
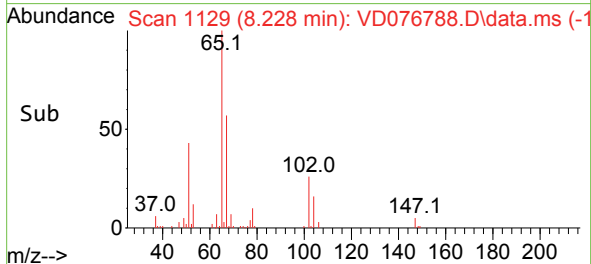
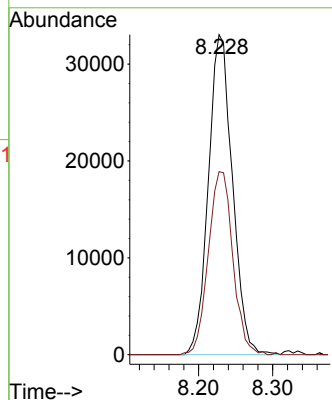
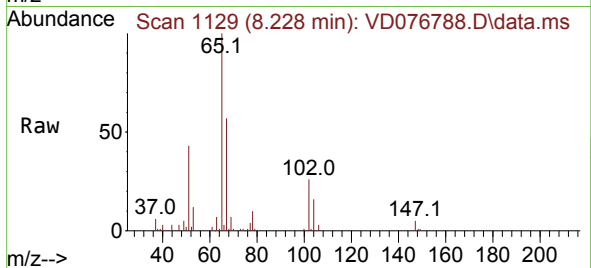
MDL-SOIL-03-QT3-2023

Tgt Ion: 65 Resp: 74384

Ion Ratio Lower Upper

65 100

67 58.4 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: VD076788.D

Acq: 19 Jul 2023 14:02

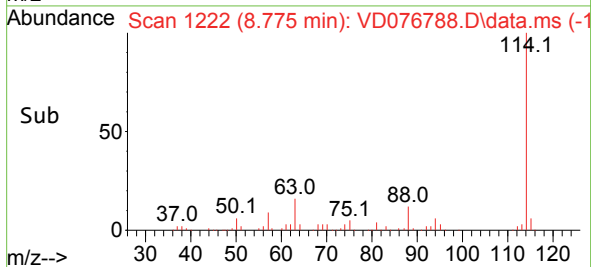
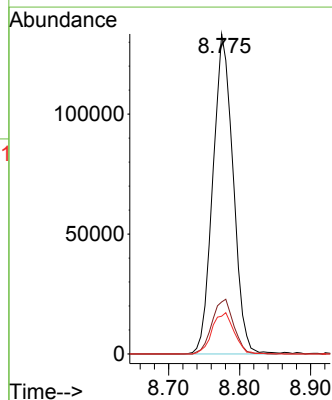
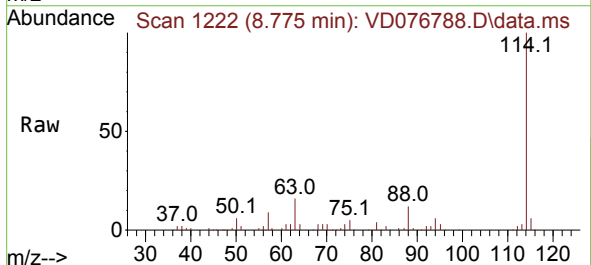
Tgt Ion: 114 Resp: 264065

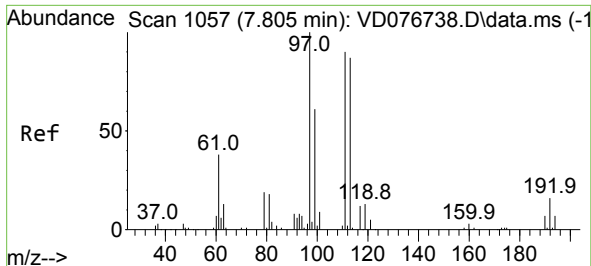
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

88 11.8 0.0 26.2

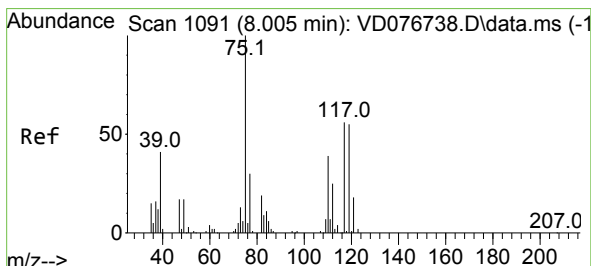
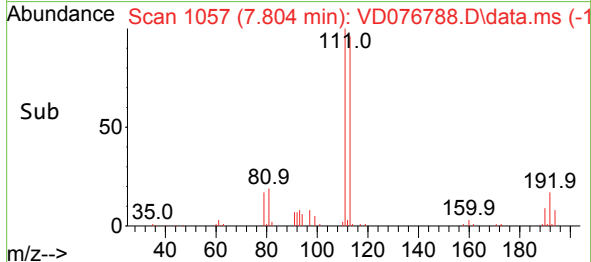
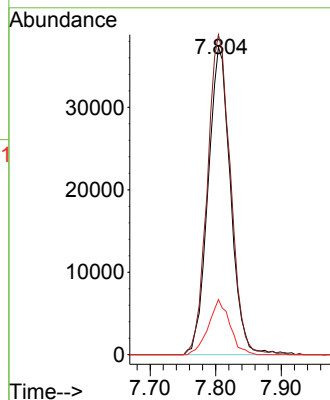
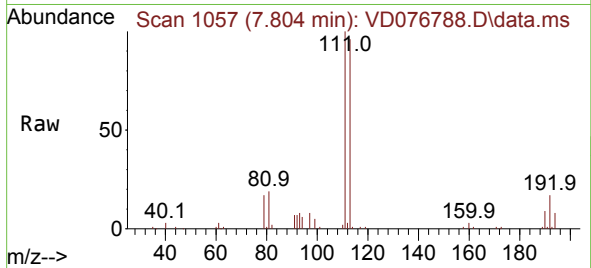




#35
Dibromofluoromethane
Concen: 53.532 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

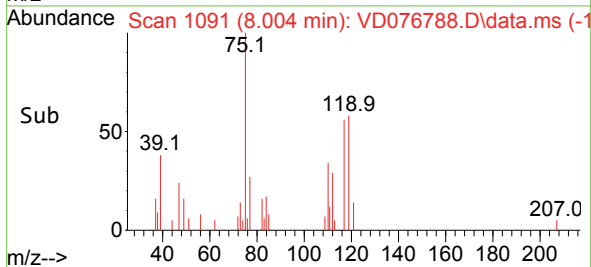
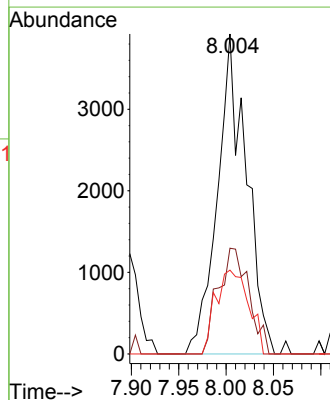
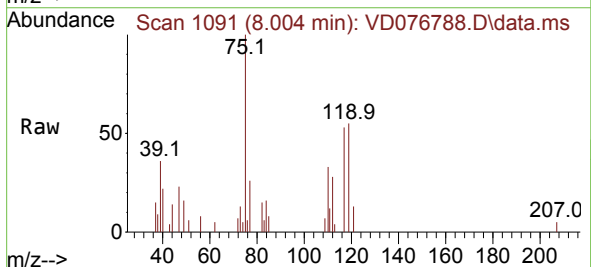
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

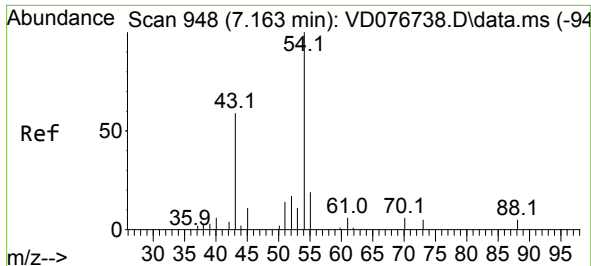
Tgt Ion:113 Resp: 88831
Ion Ratio Lower Upper
113 100
111 107.5 84.7 127.1
192 17.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.836 ug/l
RT: 8.004 min Scan# 1091
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 75 Resp: 8319
Ion Ratio Lower Upper
75 100
110 35.2 19.9 59.6
77 29.9 24.7 37.1





#37

Ethyl Acetate

Concen: 4.385 ug/l

RT: 7.169 min Scan# 94

Delta R.T. 0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

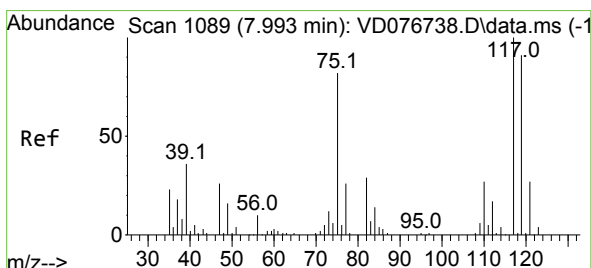
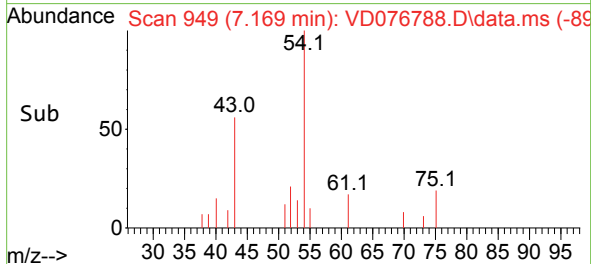
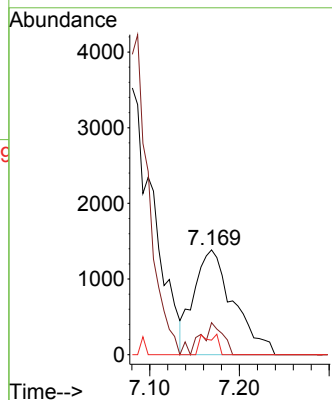
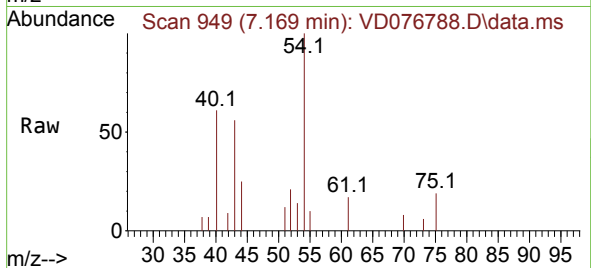
Tgt Ion: 43 Resp: 4252

Ion Ratio Lower Upper

43 100

61 15.9 14.9 22.3

70 7.7 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.854 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

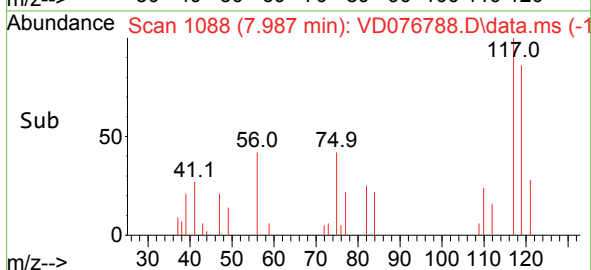
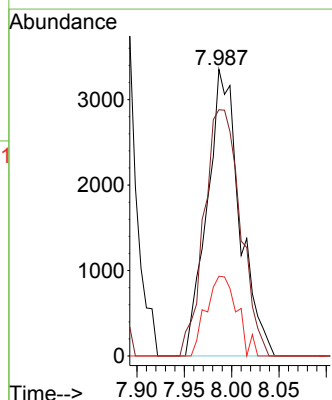
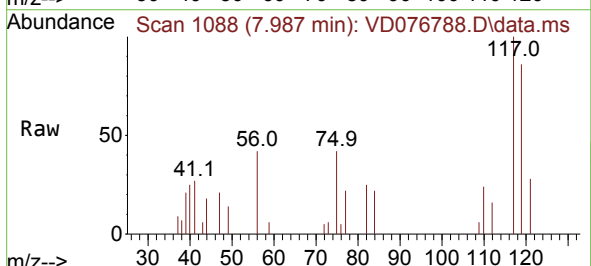
Tgt Ion: 117 Resp: 8002

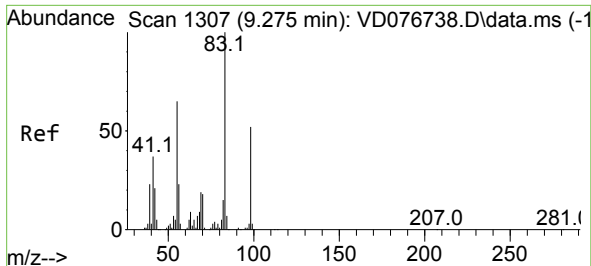
Ion Ratio Lower Upper

117 100

119 86.0 78.0 117.0

121 27.8 24.2 36.2





#39

Methylcyclohexane

Concen: 3.595 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD076788.D

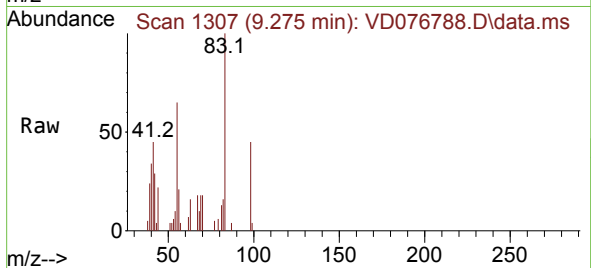
Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



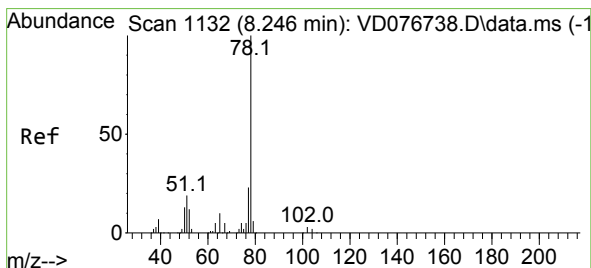
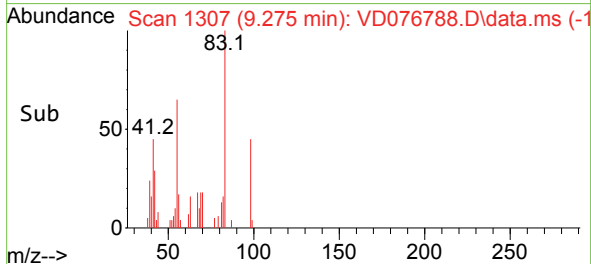
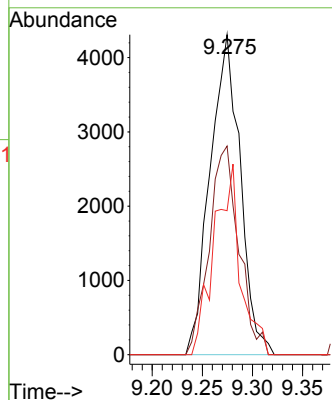
Tgt Ion: 83 Resp: 9002

Ion Ratio Lower Upper

83 100

55 65.2 49.4 74.0

98 45.0 38.4 57.6



#40

Benzene

Concen: 4.064 ug/l

RT: 8.245 min Scan# 1132

Delta R.T. -0.001 min

Lab File: VD076788.D

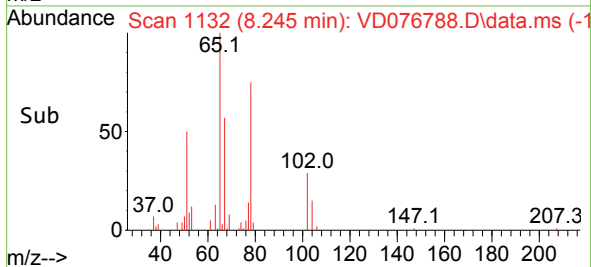
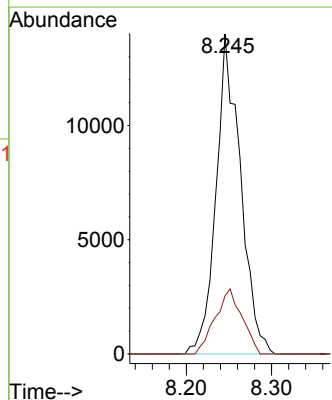
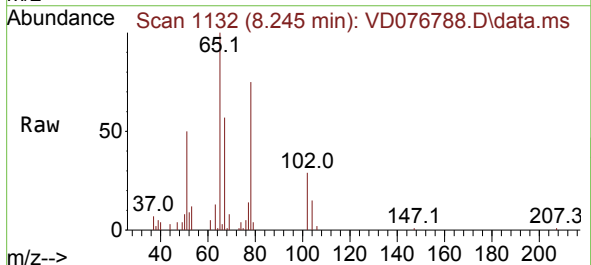
Acq: 19 Jul 2023 14:02

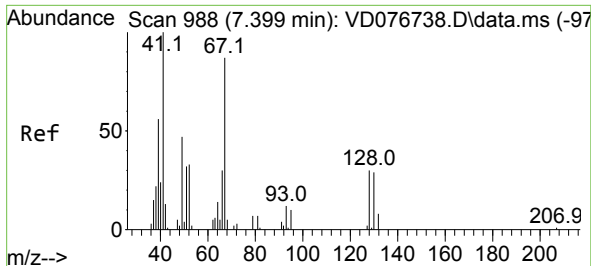
Tgt Ion: 78 Resp: 27804

Ion Ratio Lower Upper

78 100

77 18.2 19.4 29.0#

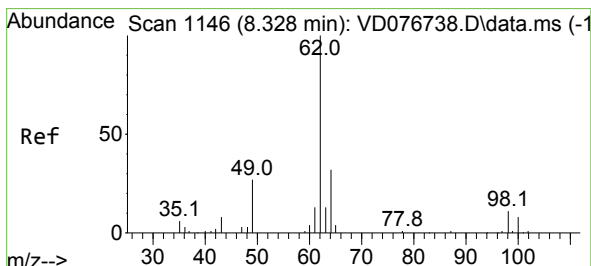
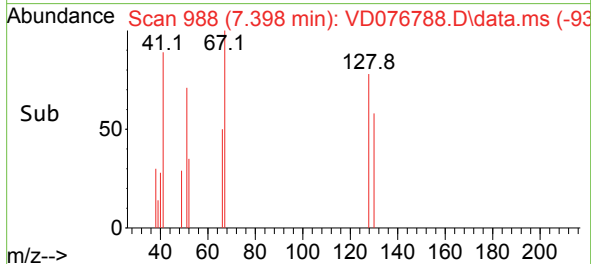
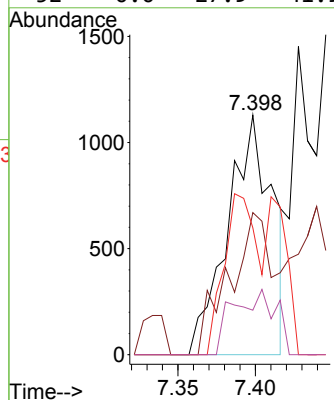
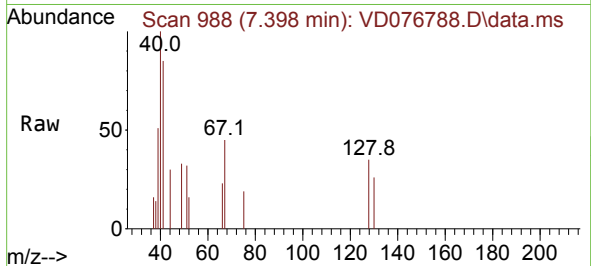




#41
Methacrylonitrile
Concen: 3.808 ug/l
RT: 7.398 min Scan# 91
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

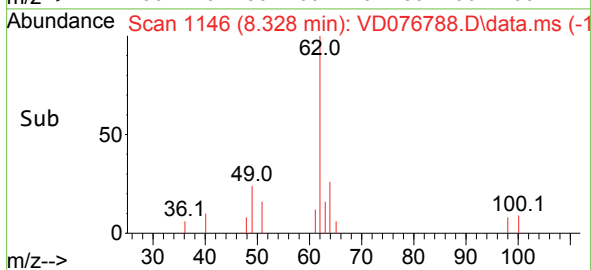
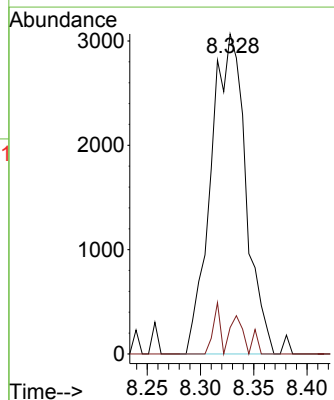
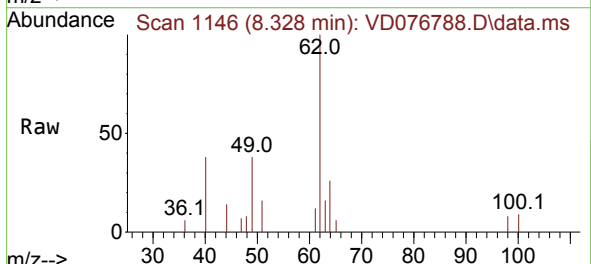
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

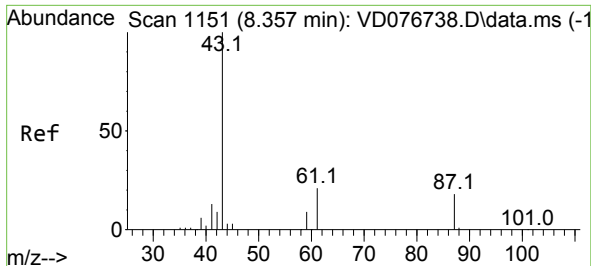
Tgt Ion:	41	Resp:	2255
Ion	Ratio	Lower	Upper
41	100		
39	58.1	34.0	51.0#
67	29.1	77.0	115.4#
52	0.0	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 3.917 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:	62	Resp:	6964
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	25.4

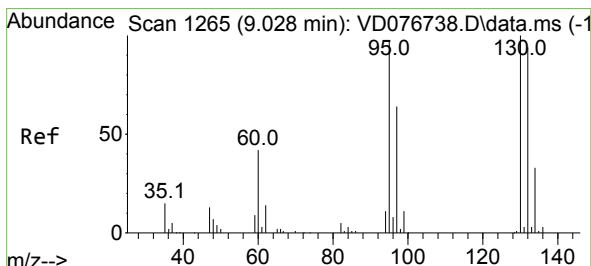
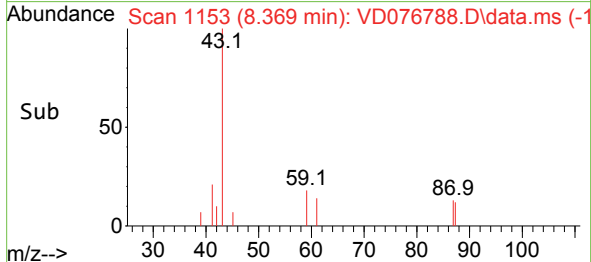
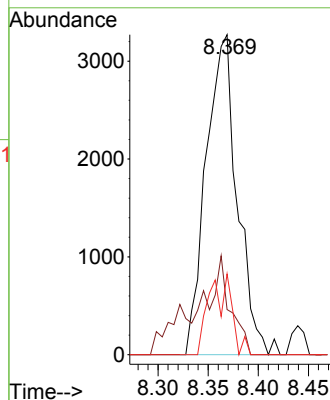
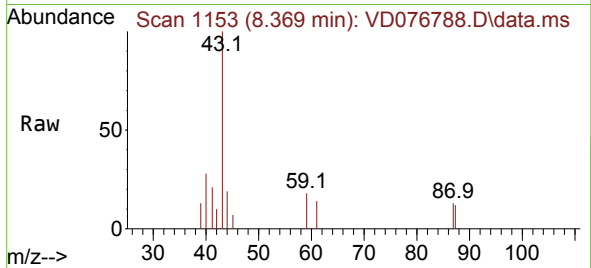




#43
Isopropyl Acetate
Concen: 3.752 ug/l
RT: 8.369 min Scan# 1153
Delta R.T. 0.012 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

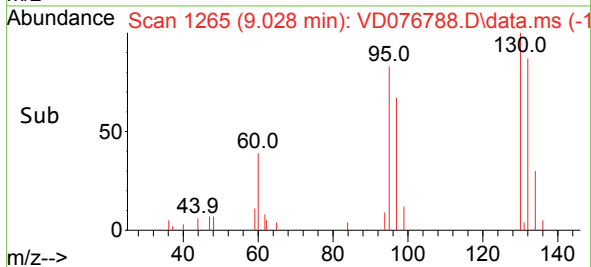
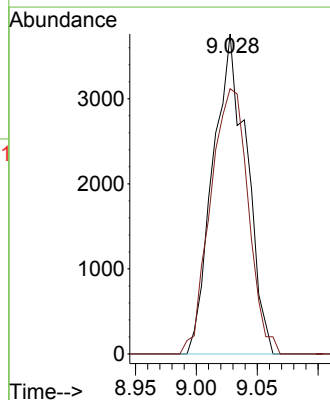
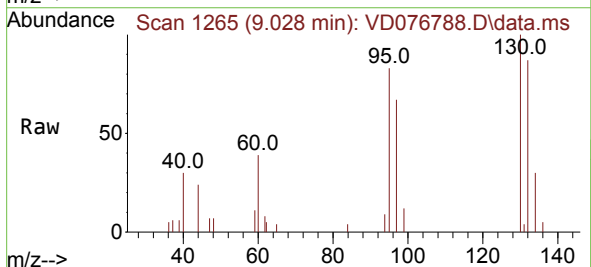
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

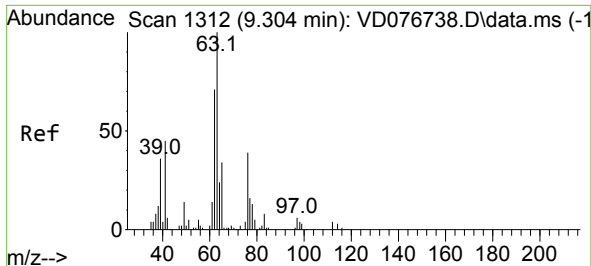
Tgt Ion: 43 Resp: 7100
Ion Ratio Lower Upper
43 100
61 23.0 31.4 47.0#
87 18.0 14.9 22.3



#44
Trichloroethene
Concen: 3.903 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:130 Resp: 7276
Ion Ratio Lower Upper
130 100
95 82.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 4.371 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

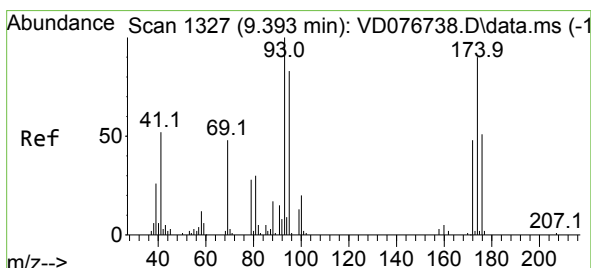
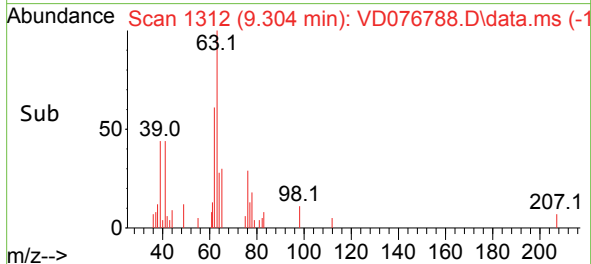
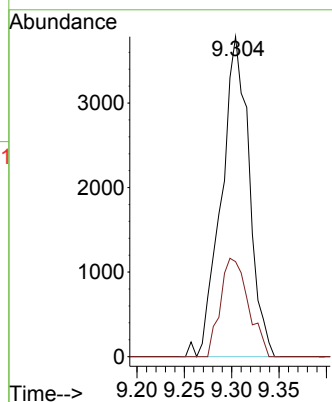
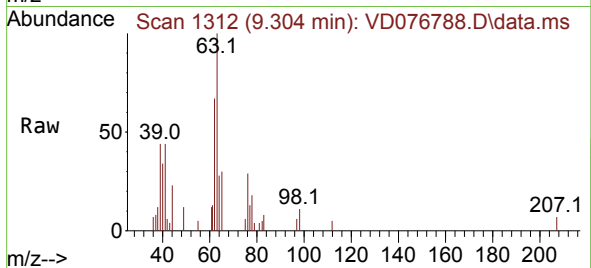
MDL-SOIL-03-QT3-2023

Tgt Ion: 63 Resp: 7720

Ion Ratio Lower Upper

63 100

65 29.7 24.5 36.7



#46

Dibromomethane

Concen: 4.318 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

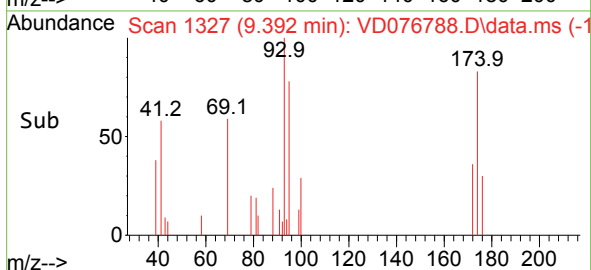
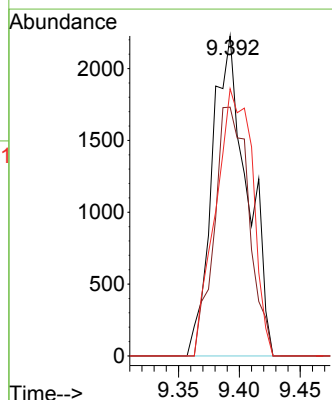
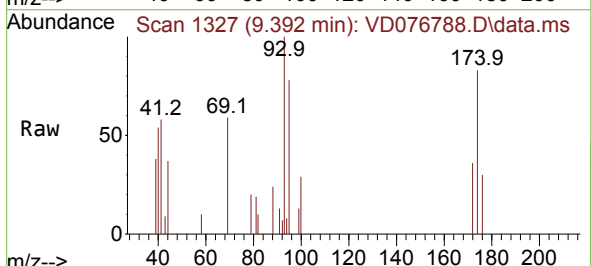
Tgt Ion: 93 Resp: 4464

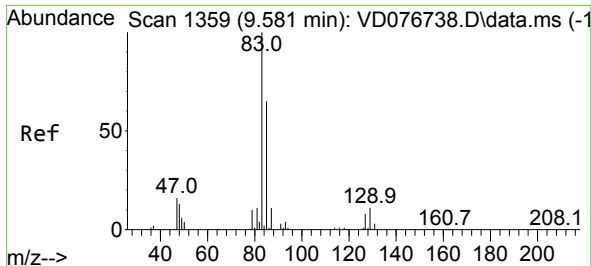
Ion Ratio Lower Upper

93 100

95 76.5 67.7 101.5

174 87.4 85.4 128.2

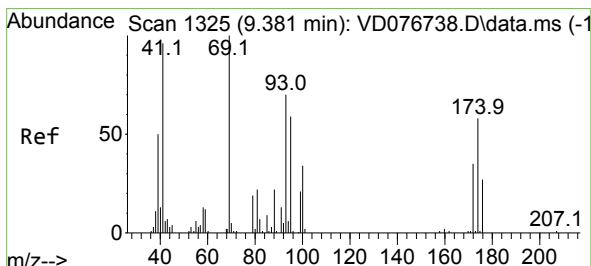
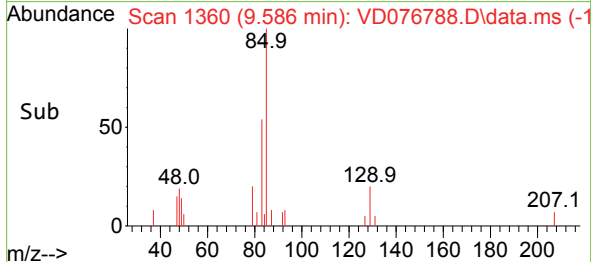
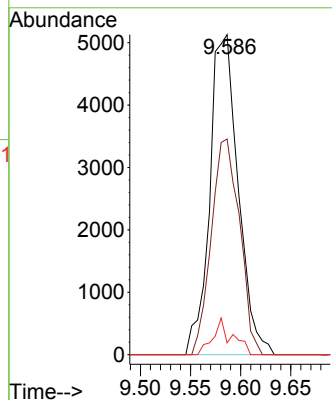
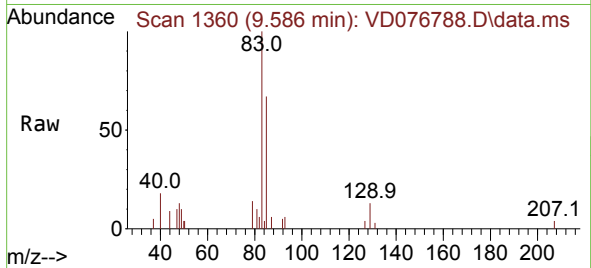




#47
Bromodichloromethane
Concen: 3.913 ug/l
RT: 9.586 min Scan# 1359
Delta R.T. 0.005 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

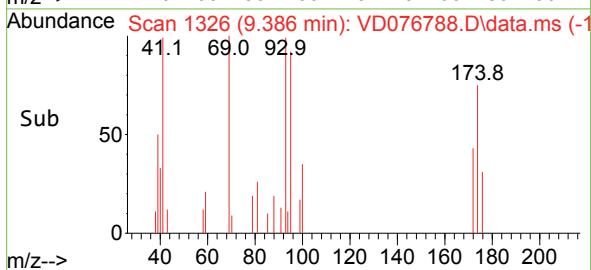
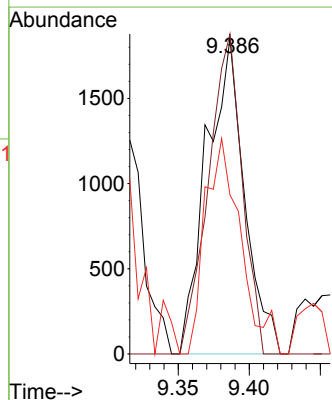
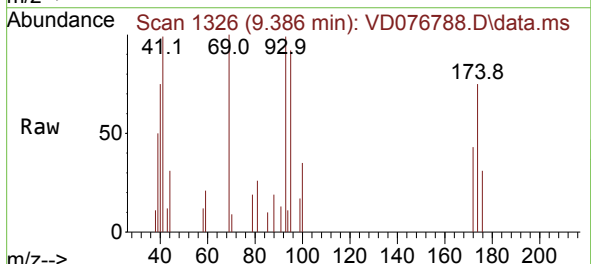
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

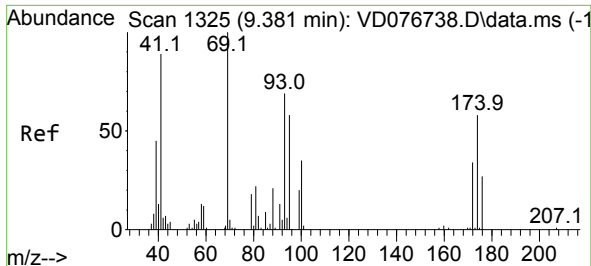
Tgt Ion: 83 Resp: 10152
Ion Ratio Lower Upper
83 100
85 67.4 50.2 75.4
127 3.7 6.3 9.5#



#48
Methyl methacrylate
Concen: 4.003 ug/l
RT: 9.386 min Scan# 1326
Delta R.T. 0.005 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 41 Resp: 3448
Ion Ratio Lower Upper
41 100
69 89.9 102.2 153.2#
39 64.2 41.4 62.2#





#49

1,4-Dioxane

Concen: 49.529 ug/l

RT: 9.398 min Scan# 11

Delta R.T. 0.017 min

Lab File: VD076788.D

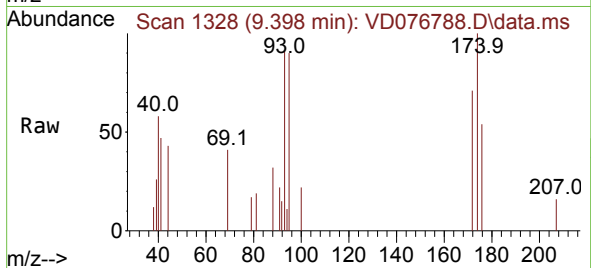
Acq: 19 Jul 2023 14:02

Instrument :

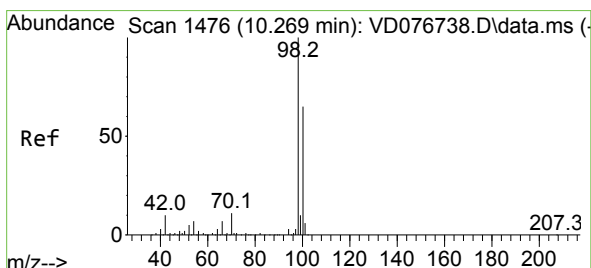
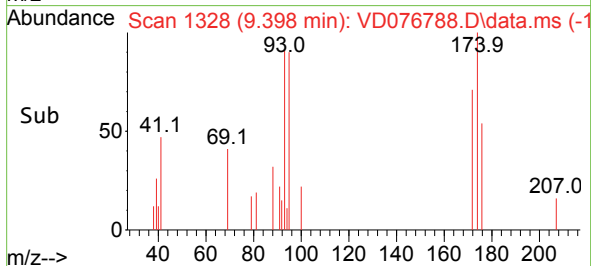
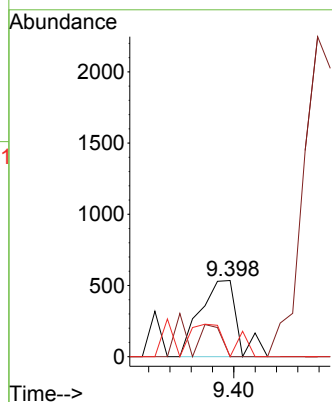
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:	88	Resp:	656
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.6#
58	44.8	43.5	65.3



#50

Toluene-d8

Concen: 49.640 ug/l

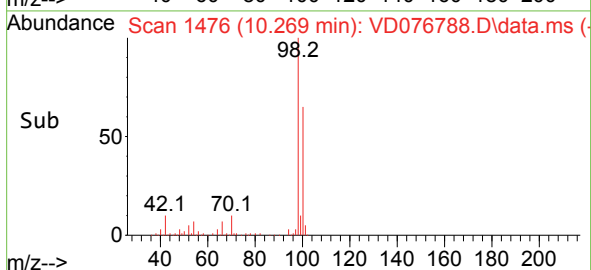
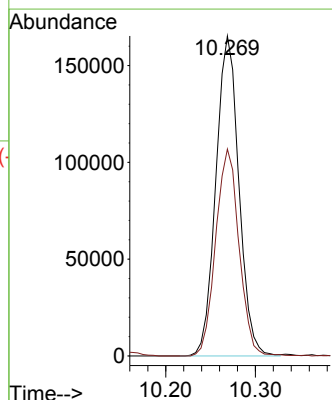
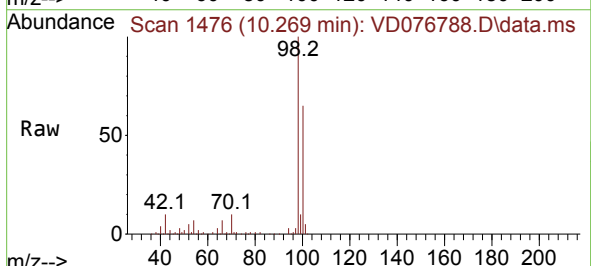
RT: 10.269 min Scan# 1476

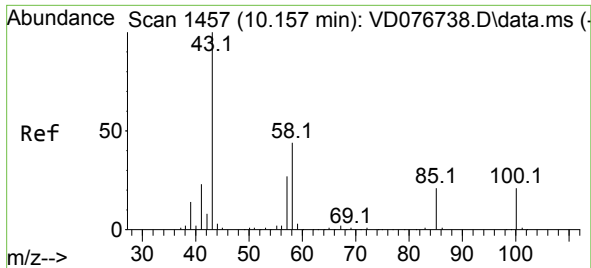
Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion:	98	Resp:	294678
Ion	Ratio	Lower	Upper
98	100		
100	65.5	50.3	75.5

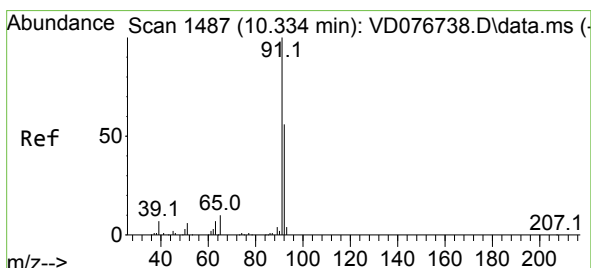
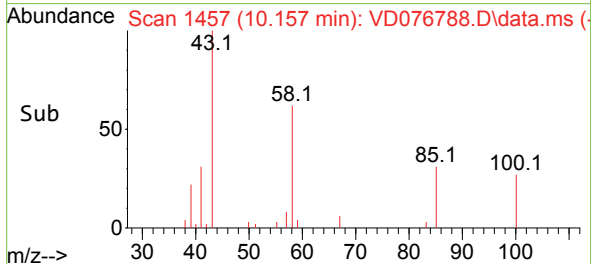
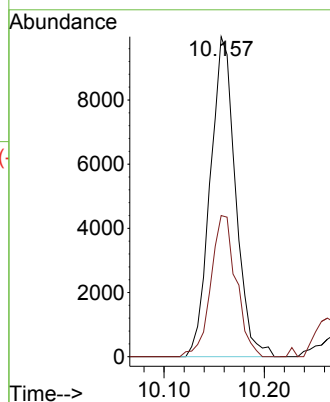
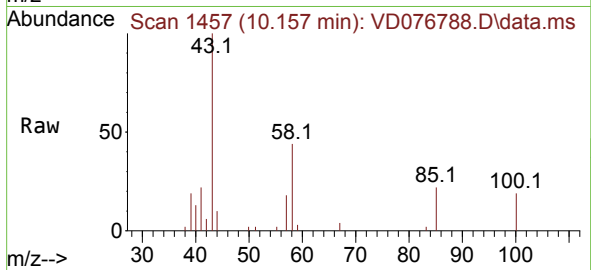




#51
4-Methyl-2-Pentanone
Concen: 17.320 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

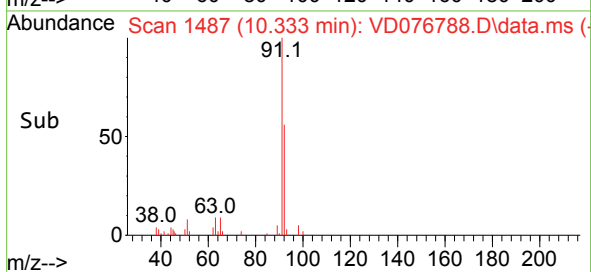
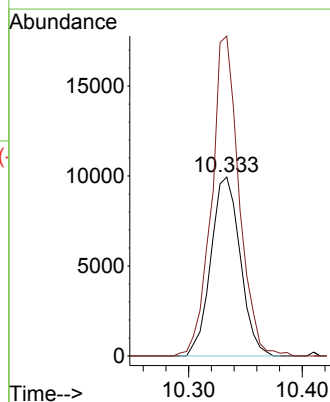
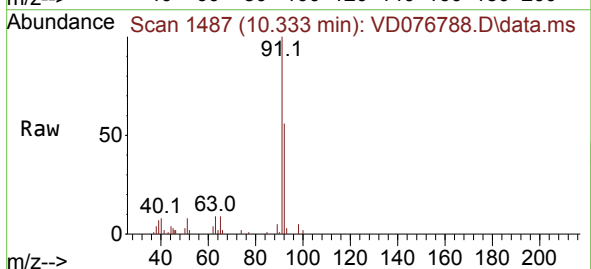
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

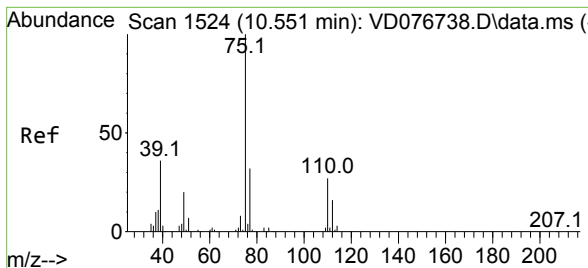
Tgt Ion: 43 Resp: 17452
Ion Ratio Lower Upper
43 100
58 44.3 38.9 58.3



#52
Toluene
Concen: 3.963 ug/l
RT: 10.333 min Scan# 1487
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 92 Resp: 17806
Ion Ratio Lower Upper
92 100
91 168.4 143.0 214.4

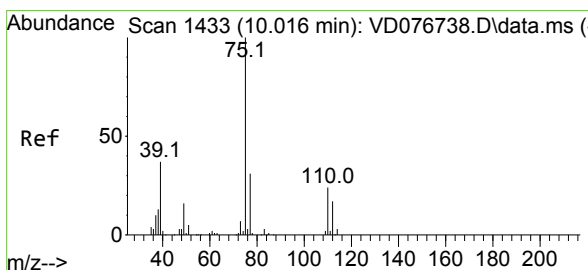
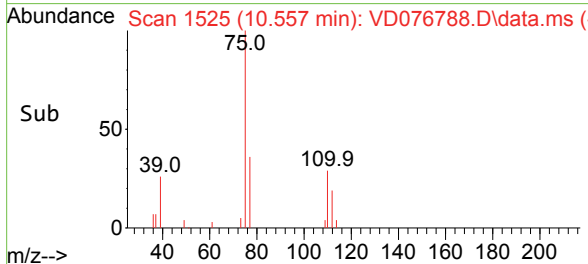
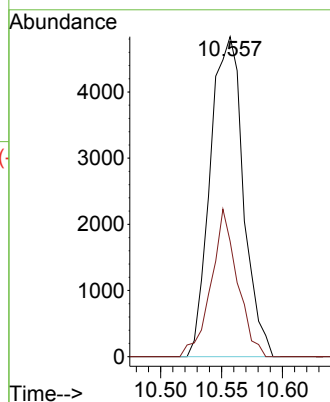
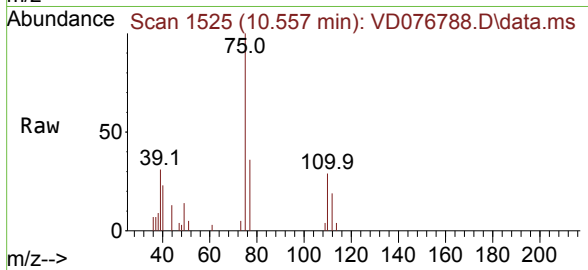




#53
t-1,3-Dichloropropene
Concen: 3.792 ug/l
RT: 10.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

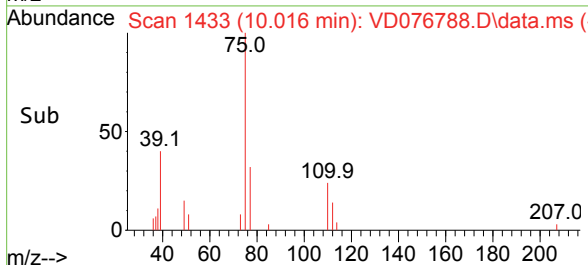
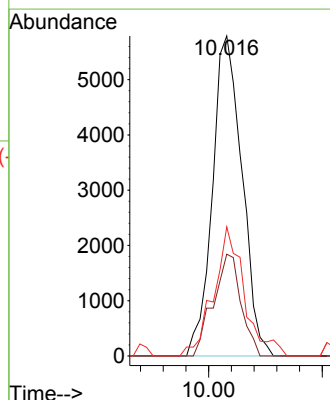
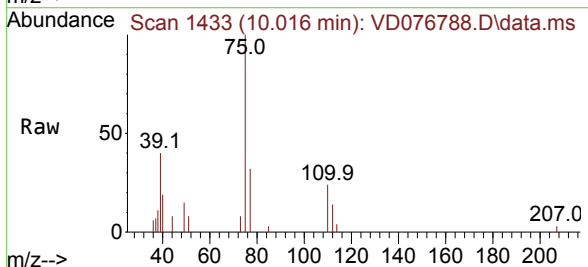
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

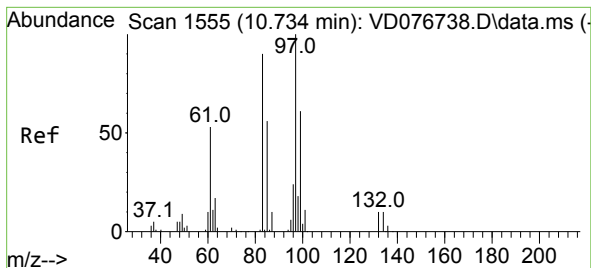
Tgt Ion: 75 Resp: 9132
Ion Ratio Lower Upper
75 100
77 36.1 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 3.687 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 75 Resp: 10462
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 40.3 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 3.665 ug/l

RT: 10.733 min Scan# 1555

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 97 Resp: 5532

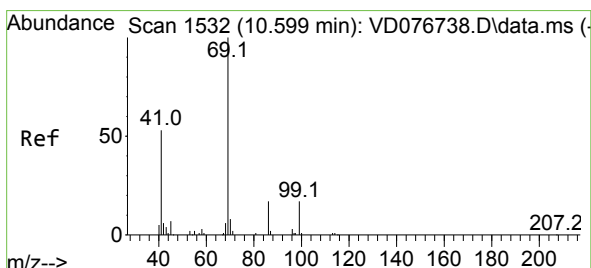
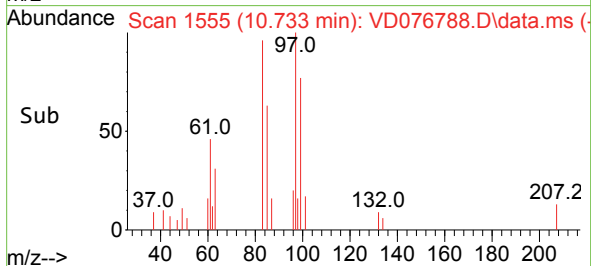
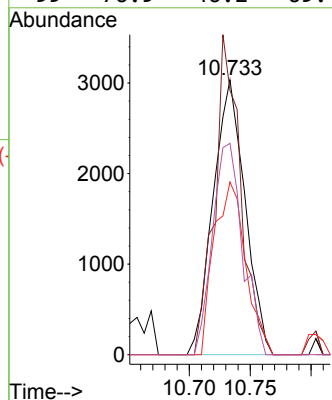
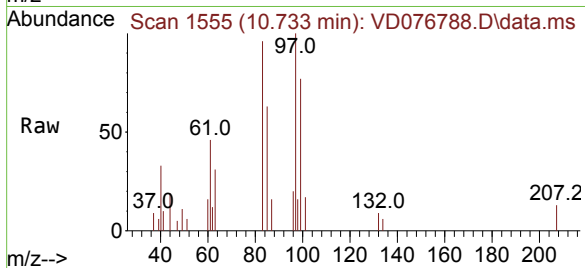
Ion Ratio Lower Upper

97 100

83 96.2 65.8 98.6

85 62.8 45.7 68.5

99 76.9 46.2 69.4#



#56

Ethyl methacrylate

Concen: 3.427 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

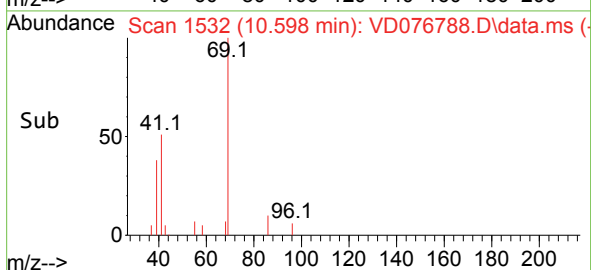
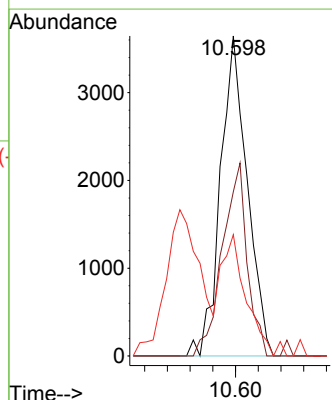
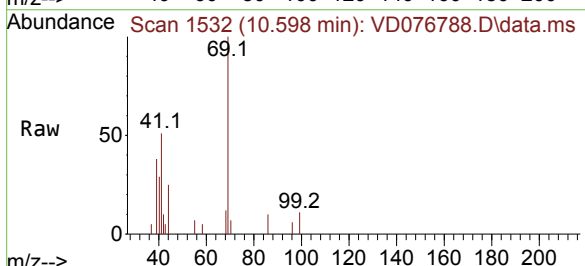
Tgt Ion: 69 Resp: 5971

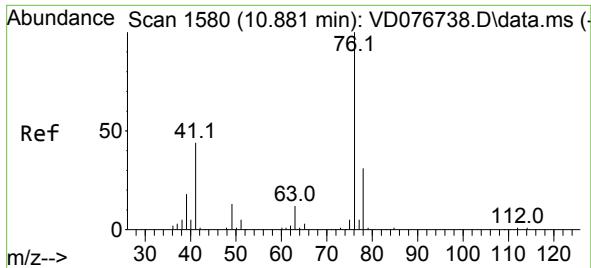
Ion Ratio Lower Upper

69 100

41 55.9 39.1 58.7

39 36.3 20.0 30.0#

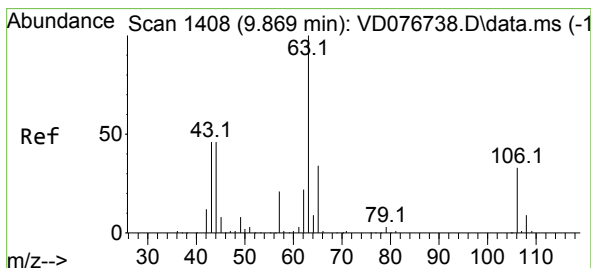
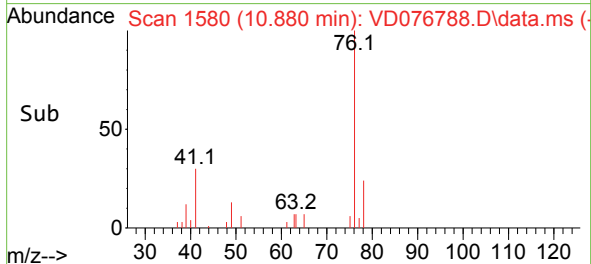
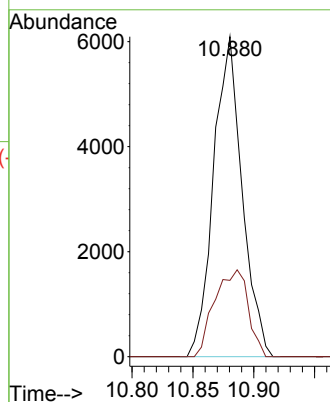
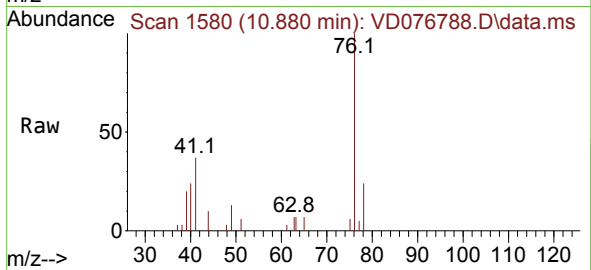




#57
1,3-Dichloropropane
Concen: 4.048 ug/l
RT: 10.880 min Scan# 1580
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

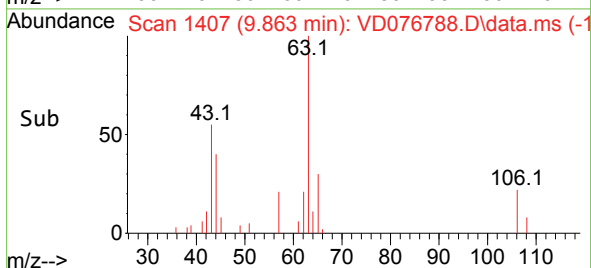
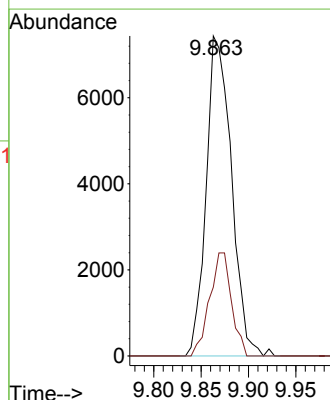
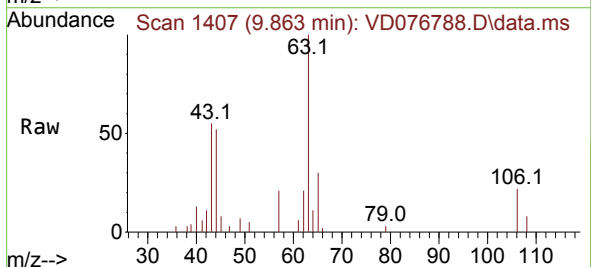
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

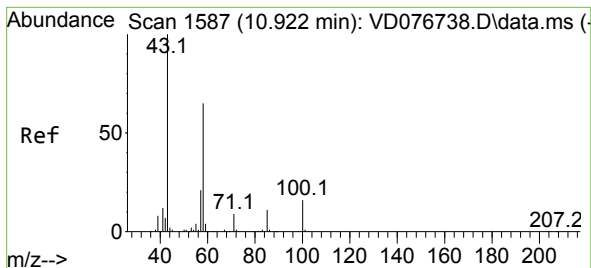
Tgt Ion: 76 Resp: 9951
Ion Ratio Lower Upper
76 100
78 31.8 26.4 39.6



#58
2-Chloroethyl Vinyl ether
Concen: 20.431 ug/l
RT: 9.863 min Scan# 1407
Delta R.T. -0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 63 Resp: 13779
Ion Ratio Lower Upper
63 100
106 27.9 25.3 37.9

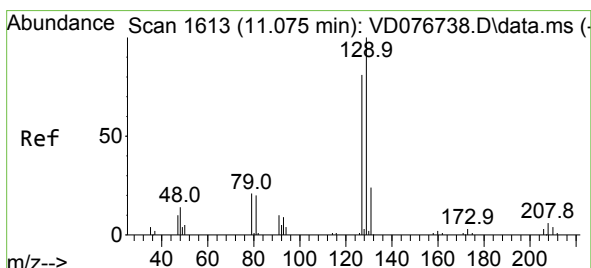
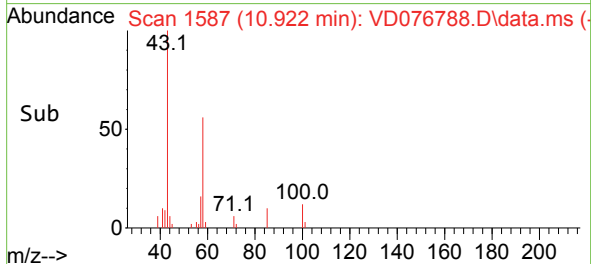
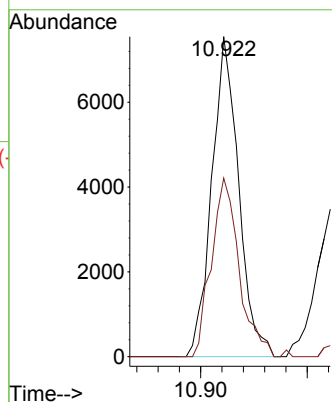
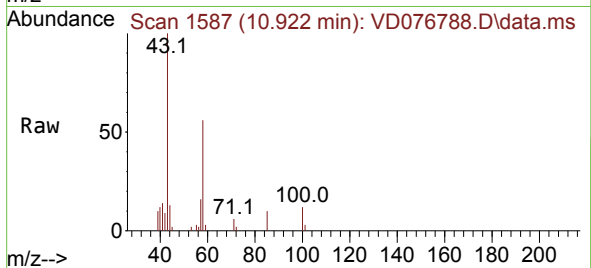




#59
2-Hexanone
Concen: 18.320 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

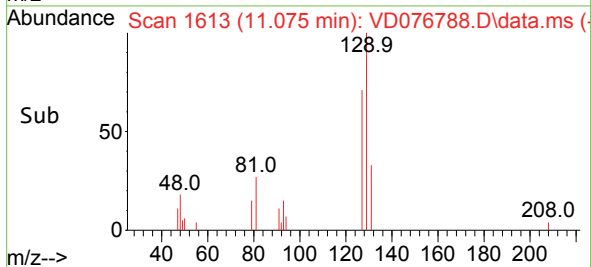
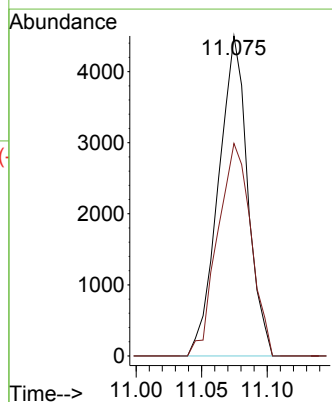
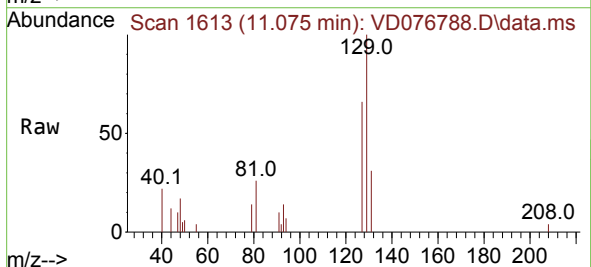
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

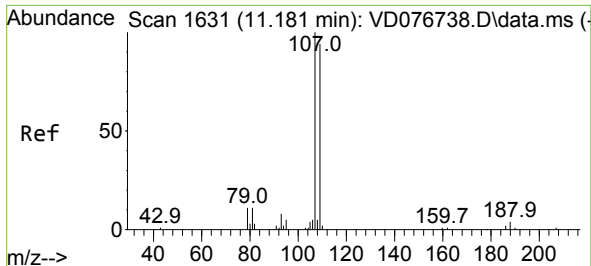
Tgt Ion: 43 Resp: 13172
Ion Ratio Lower Upper
43 100
58 57.8 34.1 102.2



#60
Dibromochloromethane
Concen: 3.980 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 129 Resp: 6980
Ion Ratio Lower Upper
129 100
127 75.5 37.1 111.5

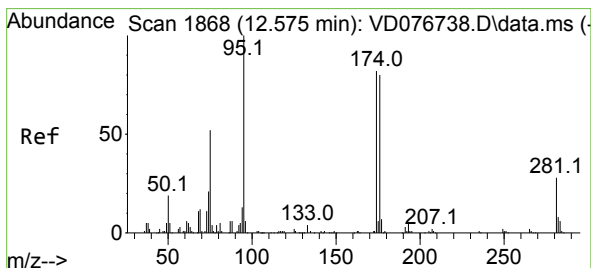
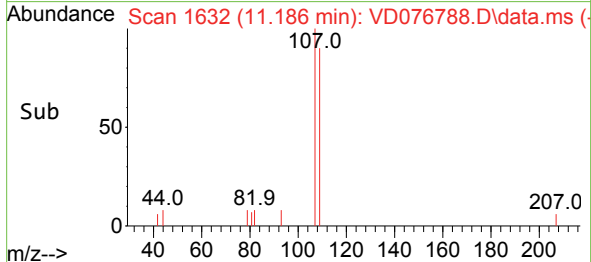
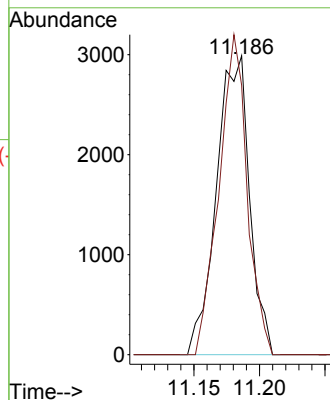
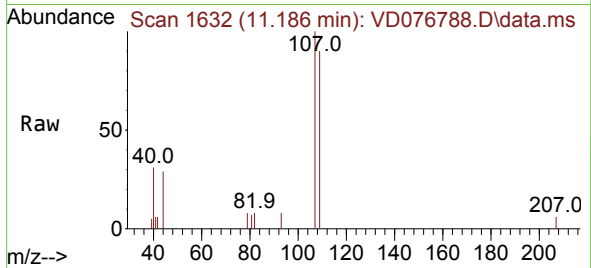




#61
1,2-Dibromoethane
Concen: 3.747 ug/l
RT: 11.186 min Scan# 1
Delta R.T. 0.005 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

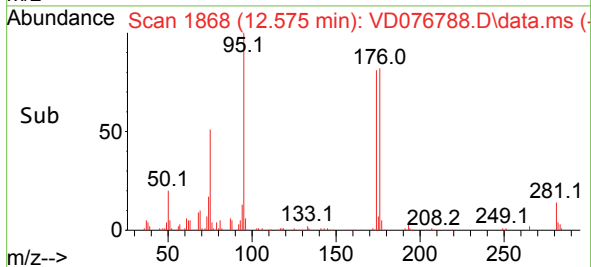
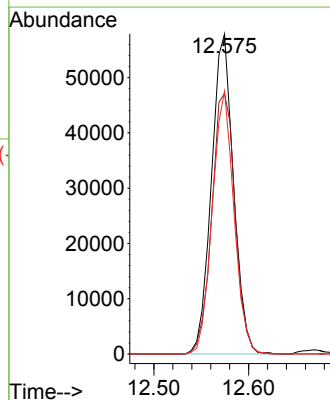
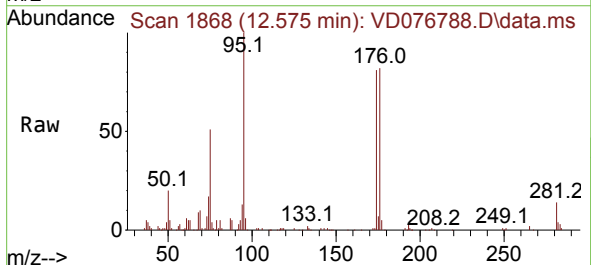
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

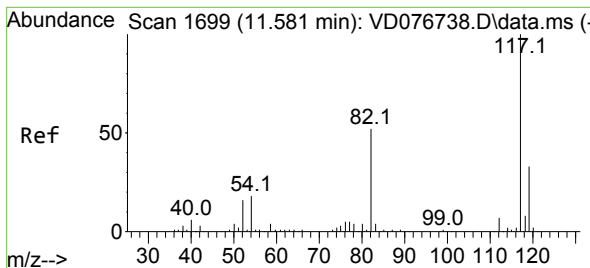
Tgt Ion:107 Resp: 5244
Ion Ratio Lower Upper
107 100
109 91.2 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.659 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 95 Resp: 93444
Ion Ratio Lower Upper
95 100
174 86.0 0.0 201.8
176 80.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.580 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

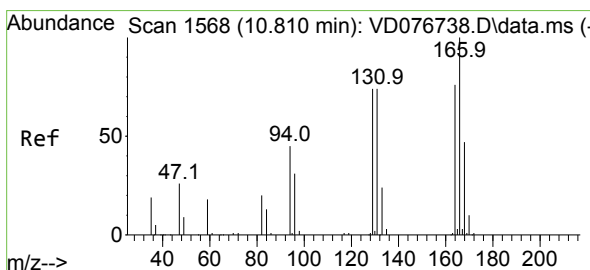
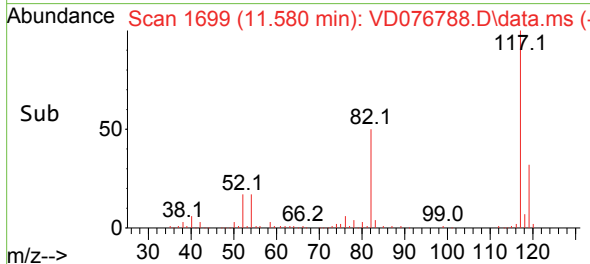
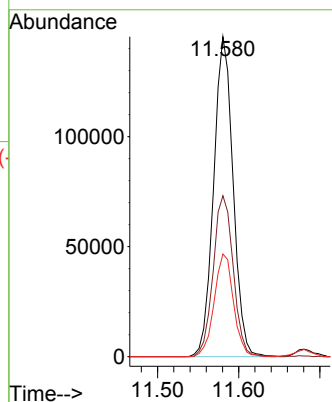
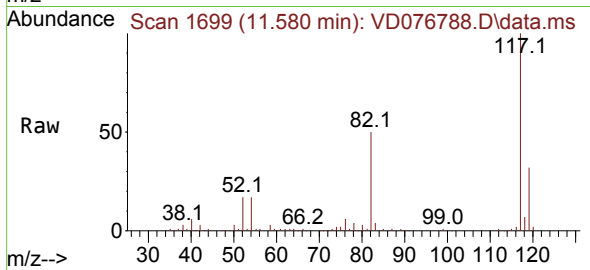
Tgt Ion:117 Resp: 242293

Ion Ratio Lower Upper

117 100

82 50.3 38.3 57.5

119 32.1 25.0 37.4



#64

Tetrachloroethene

Concen: 3.914 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion:164 Resp: 5407

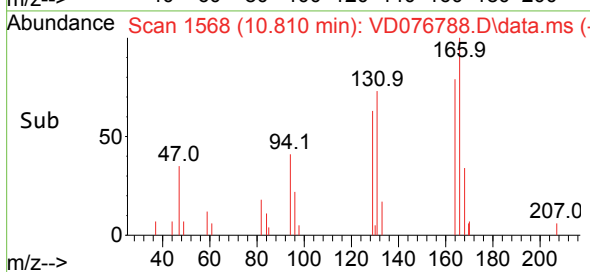
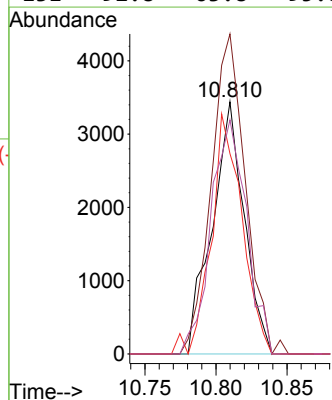
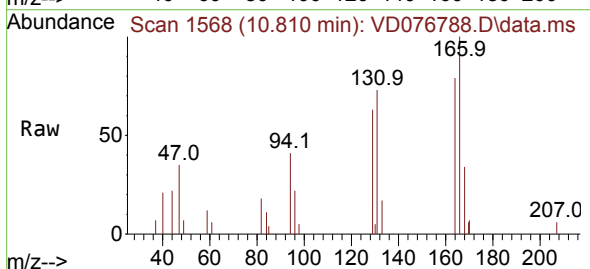
Ion Ratio Lower Upper

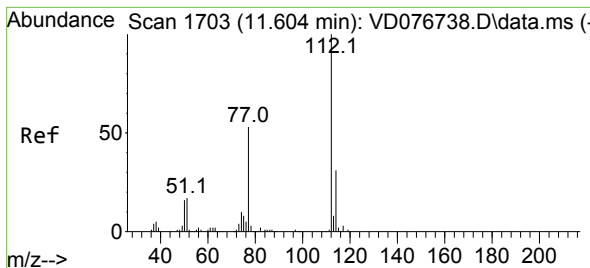
164 100

166 126.9 99.2 148.8

129 79.4 68.4 102.6

131 92.8 63.8 95.8





#65

Chlorobenzene

Concen: 3.888 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

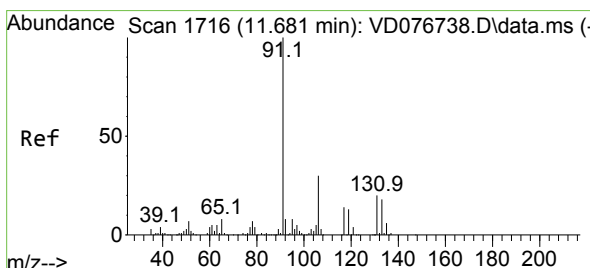
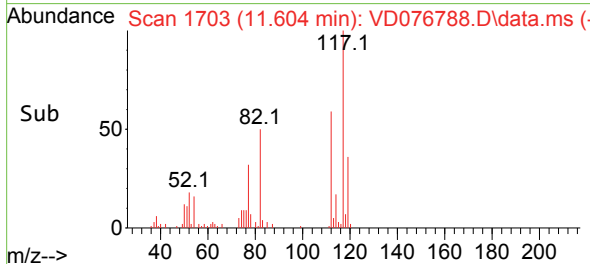
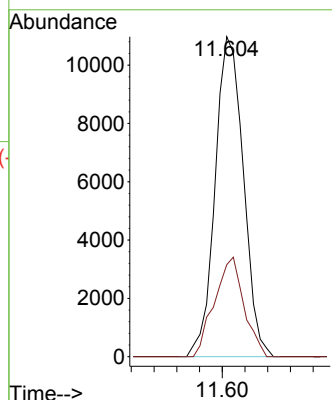
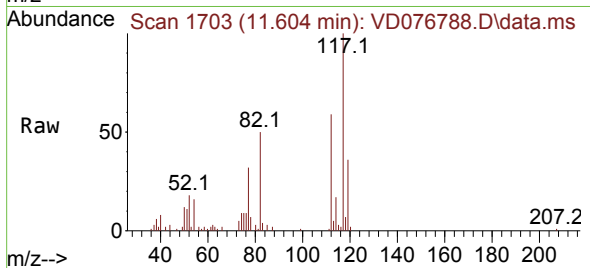
MDL-SOIL-03-QT3-2023

Tgt Ion:112 Resp: 18948

Ion Ratio Lower Upper

112 100

114 28.8 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 4.082 ug/l

RT: 11.680 min Scan# 1716

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

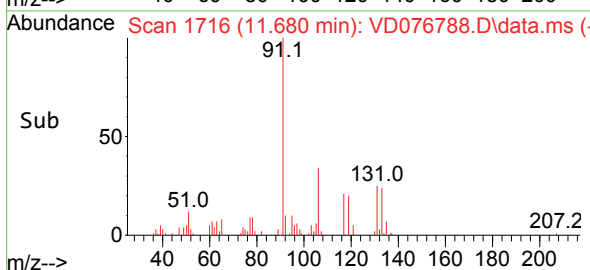
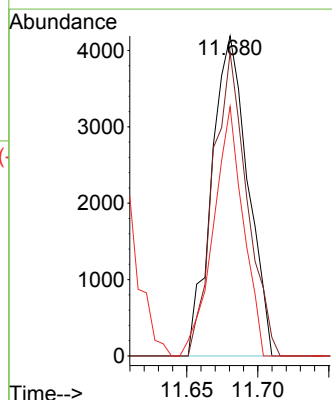
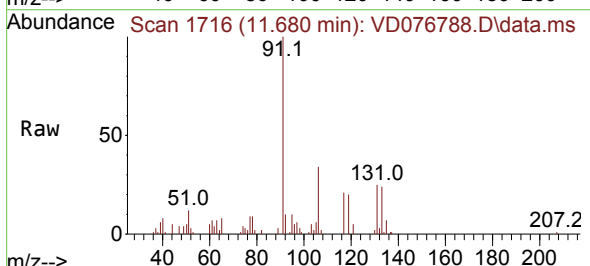
Tgt Ion:131 Resp: 7406

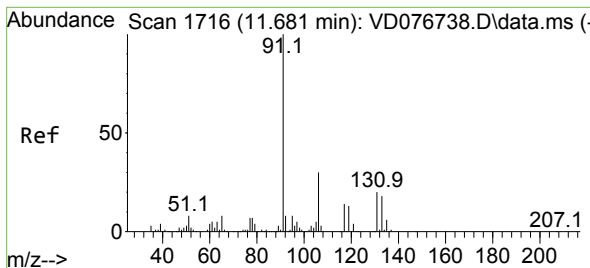
Ion Ratio Lower Upper

131 100

133 89.0 48.5 145.5

119 64.5 35.6 106.9





#67

Ethyl Benzene

Concen: 3.570 ug/l

RT: 11.686 min Scan# 1716

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

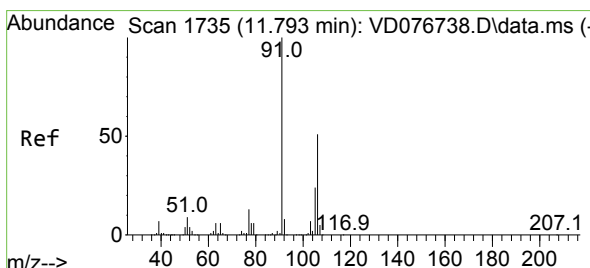
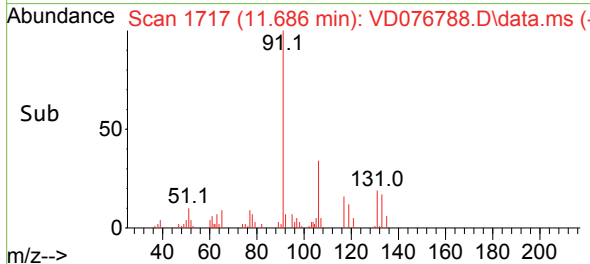
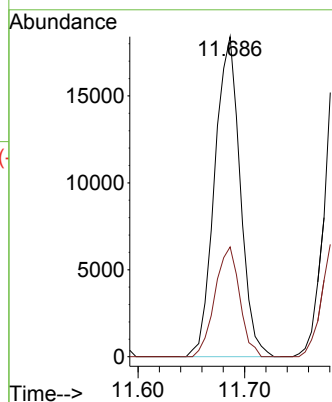
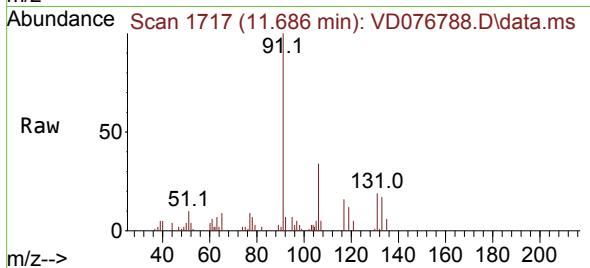
MDL-SOIL-03-QT3-2023

Tgt Ion: 91 Resp: 30552

Ion Ratio Lower Upper

91 100

106 34.3 26.5 39.7



#68

m/p-Xylenes

Concen: 6.837 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.001 min

Lab File: VD076788.D

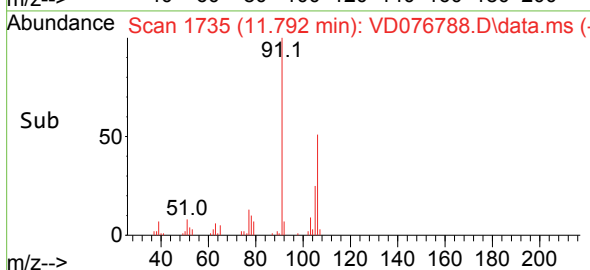
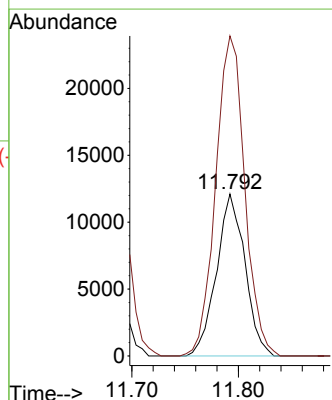
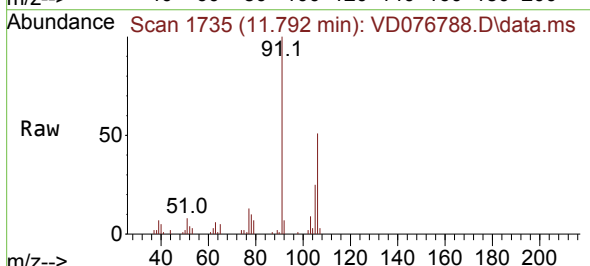
Acq: 19 Jul 2023 14:02

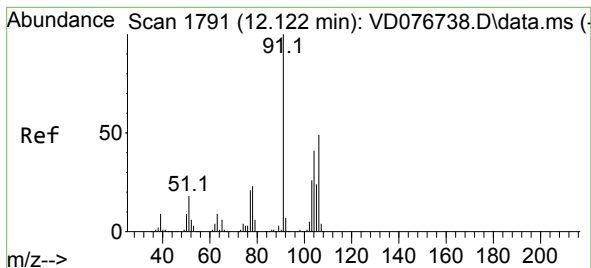
Tgt Ion: 106 Resp: 22472

Ion Ratio Lower Upper

106 100

91 201.7 147.0 220.6





#69

o-Xylene

Concen: 3.466 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

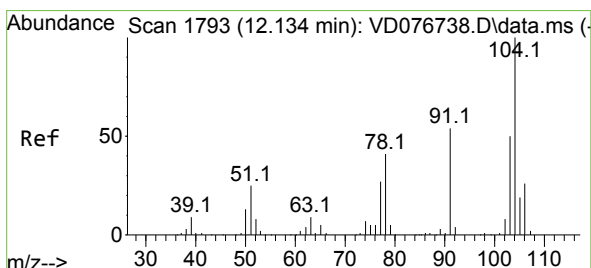
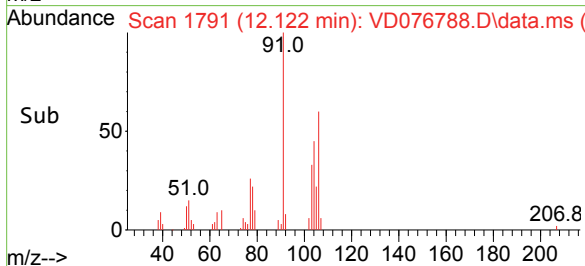
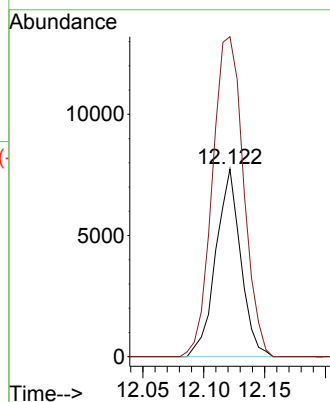
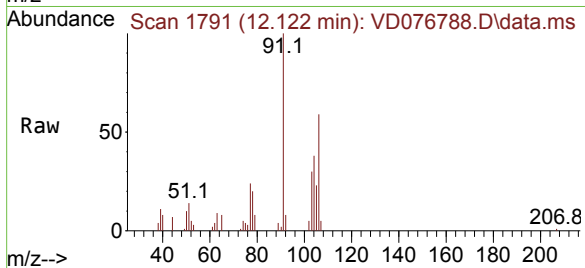
MDL-SOIL-03-QT3-2023

Tgt Ion:106 Resp: 11017

Ion Ratio Lower Upper

106 100

91 212.8 97.9 293.6



#70

Styrene

Concen: 3.473 ug/l

RT: 12.133 min Scan# 1793

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

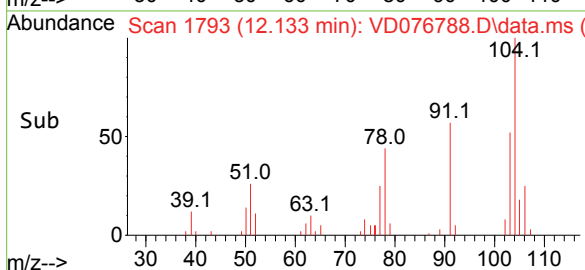
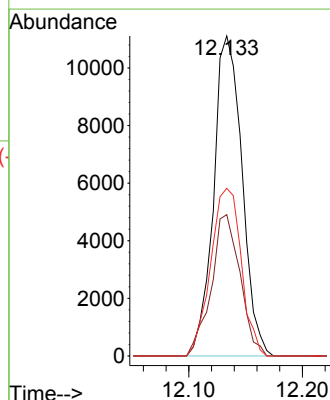
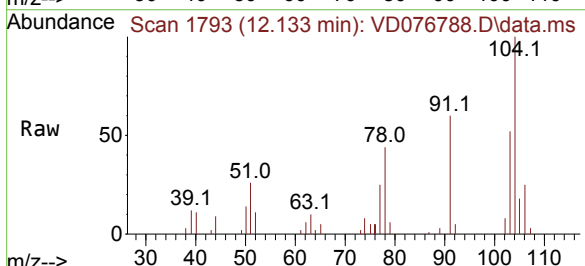
Tgt Ion:104 Resp: 19324

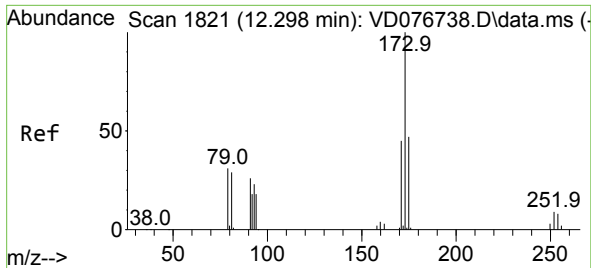
Ion Ratio Lower Upper

104 100

78 44.8 33.2 49.8

103 56.3 43.6 65.4

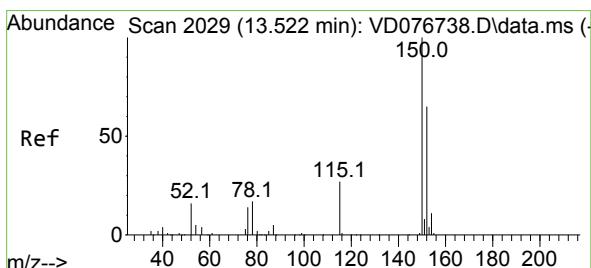
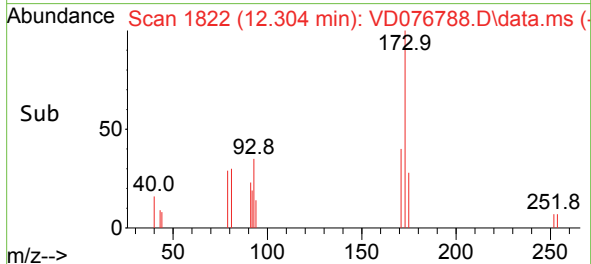
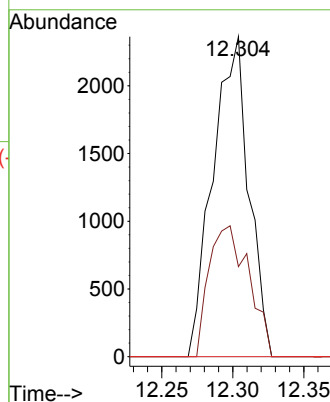
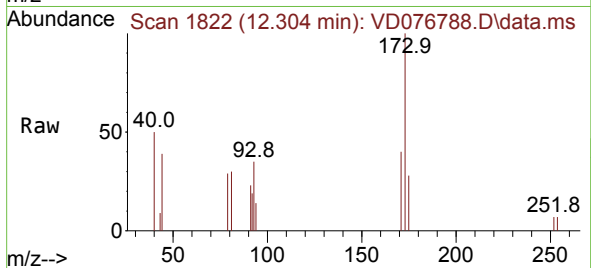




#71
Bromoform
Concen: 4.181 ug/l
RT: 12.304 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

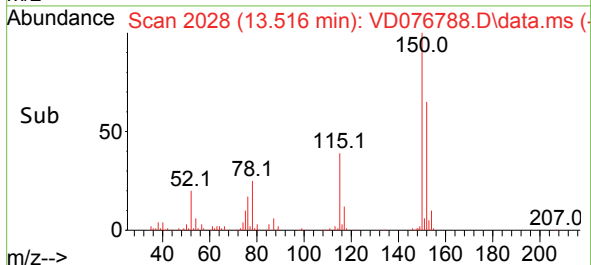
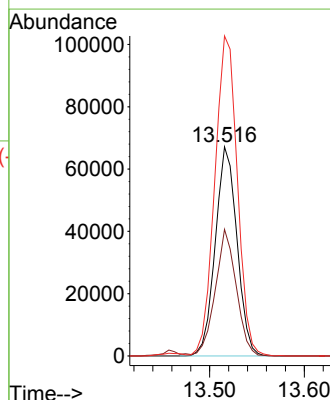
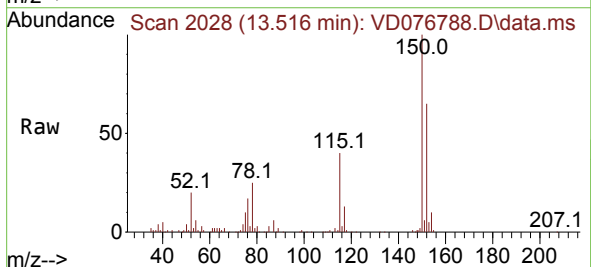
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

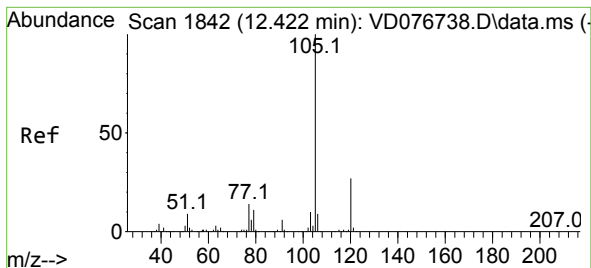
Tgt Ion:173 Resp: 4154
Ion Ratio Lower Upper
173 100
175 45.3 24.6 73.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:152 Resp: 106883
Ion Ratio Lower Upper
152 100
115 58.5 27.1 81.3
150 159.2 0.0 353.6





#73

Isopropylbenzene

Concen: 3.728 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

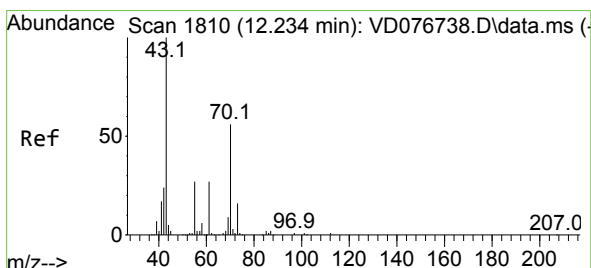
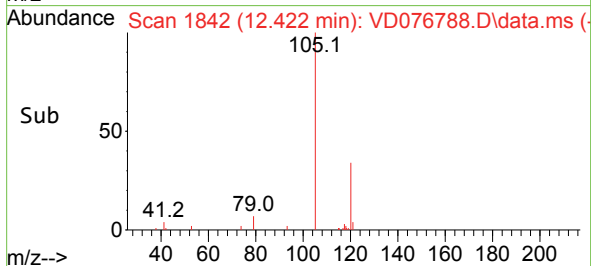
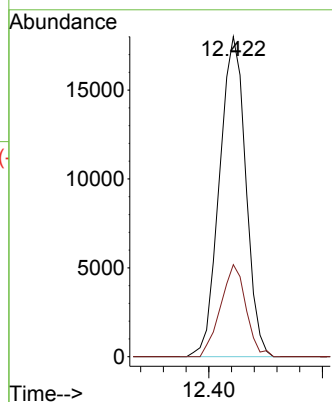
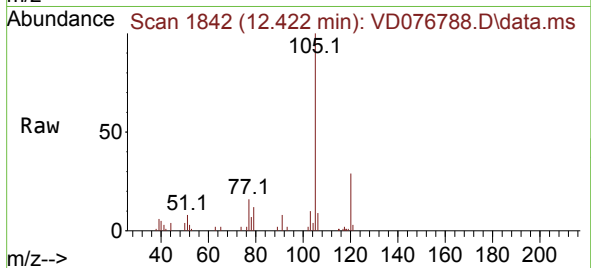
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 28908

Ion Ratio Lower Upper

105 100

120 27.8 14.3 42.9



#74

N-ethyl acetate

Concen: 3.453 ug/l

RT: 12.233 min Scan# 1810

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion: 43 Resp: 5641

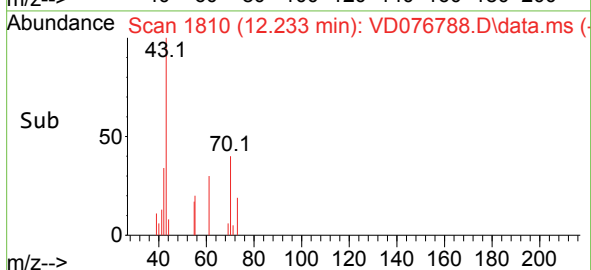
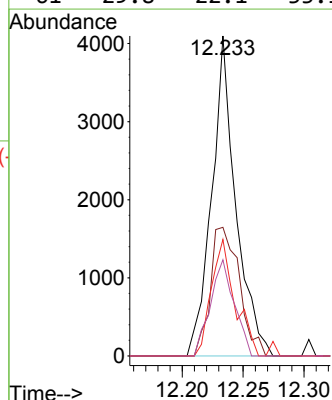
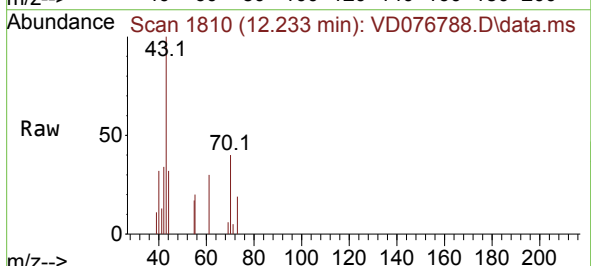
Ion Ratio Lower Upper

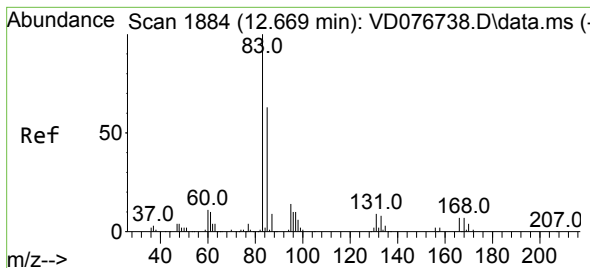
43 100

70 48.2 45.0 67.4

55 35.8 23.8 35.6#

61 29.8 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.393 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

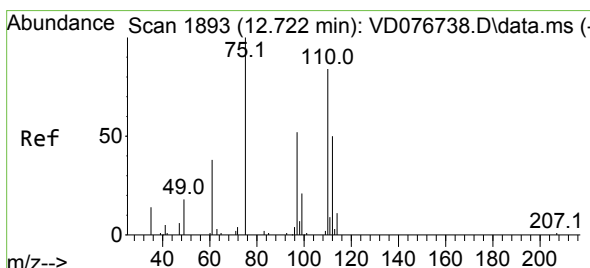
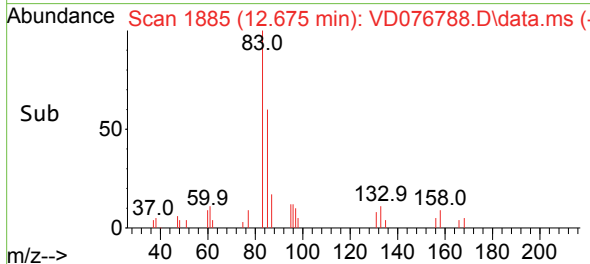
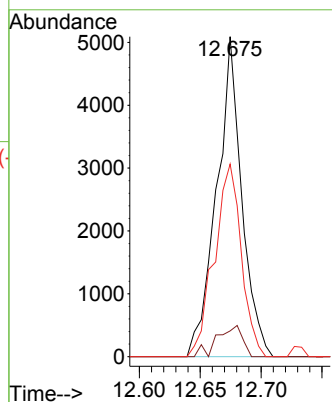
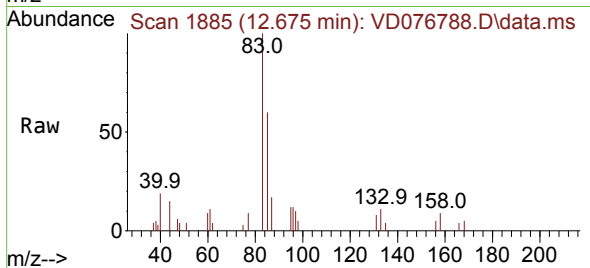
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:	83	Resp:	7314
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.1	15.3
85	64.6	32.6	97.8



#76

1,2,3-Trichloropropane

Concen: 8.256 ug/l

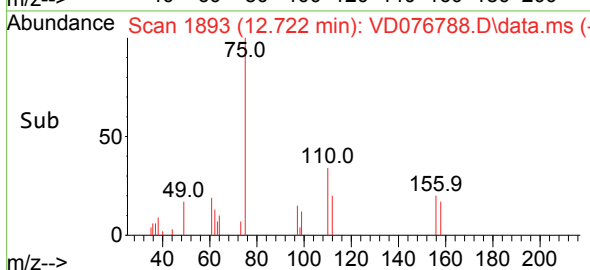
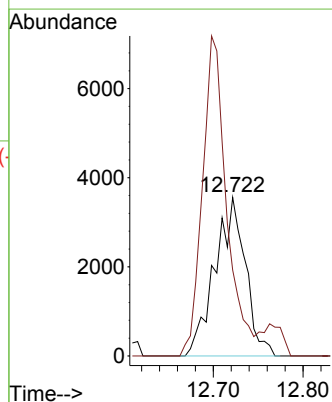
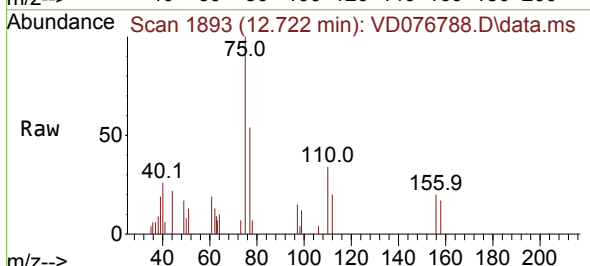
RT: 12.722 min Scan# 1893

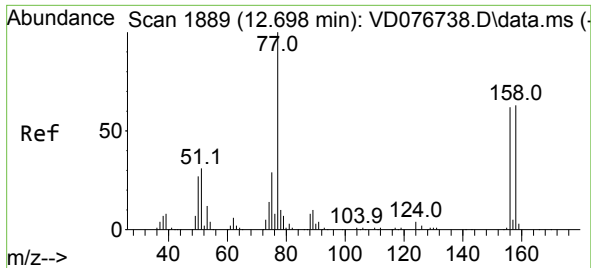
Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion:	75	Resp:	8392
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

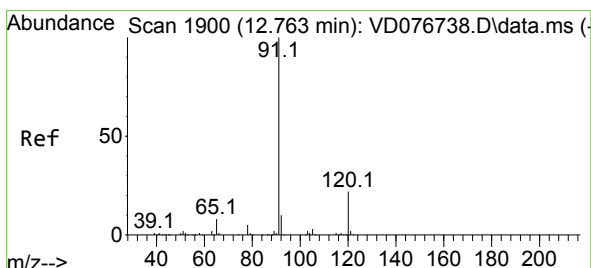
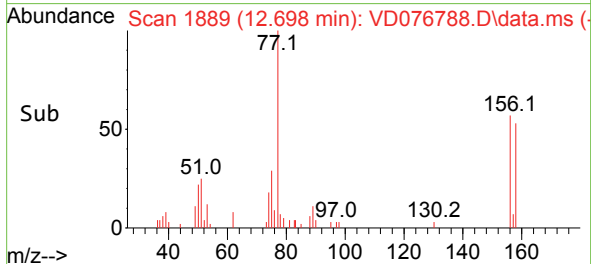
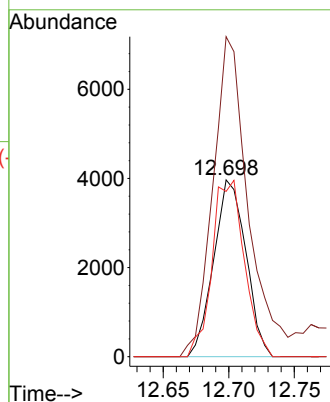
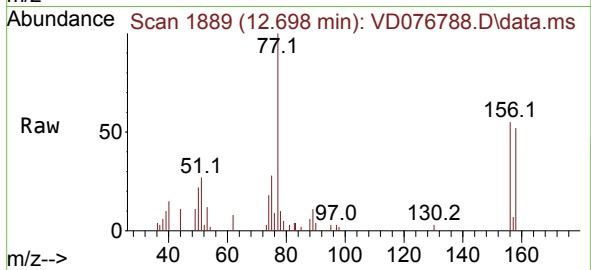




#77
Bromobenzene
Concen: 3.791 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

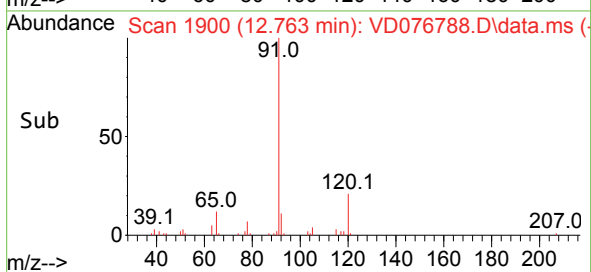
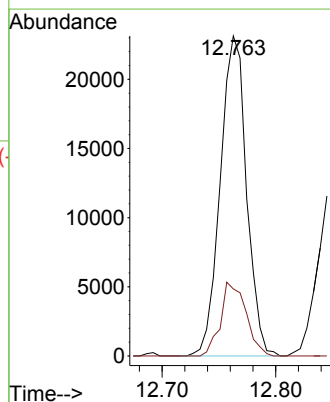
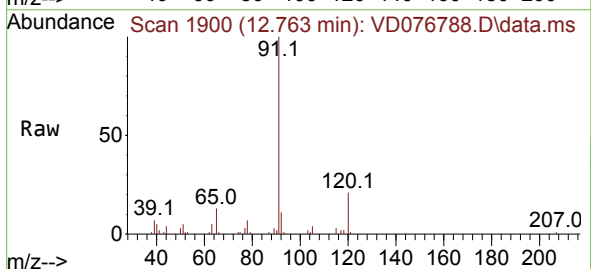
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

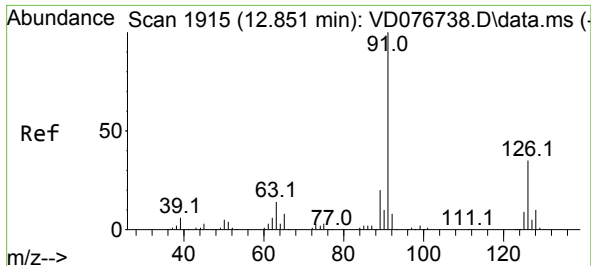
Tgt Ion:156 Resp: 6786
Ion Ratio Lower Upper
156 100
77 196.9 76.8 230.4
158 99.7 48.6 145.9



#78
n-propylbenzene
Concen: 3.954 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 91 Resp: 37174
Ion Ratio Lower Upper
91 100
120 22.3 12.4 37.2





#79

2-Chlorotoluene

Concen: 3.848 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

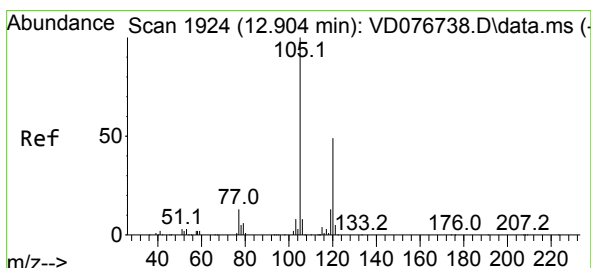
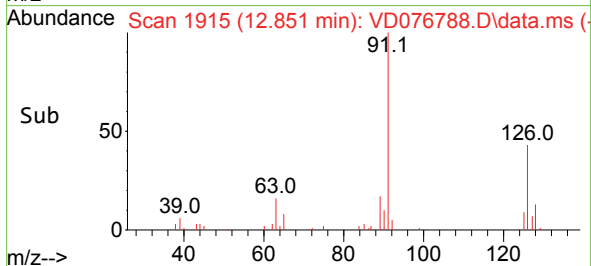
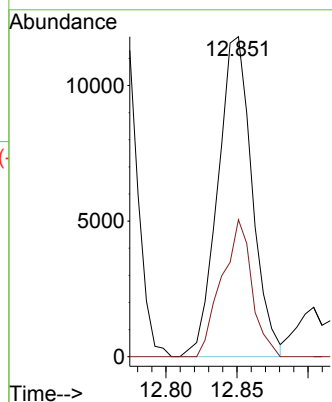
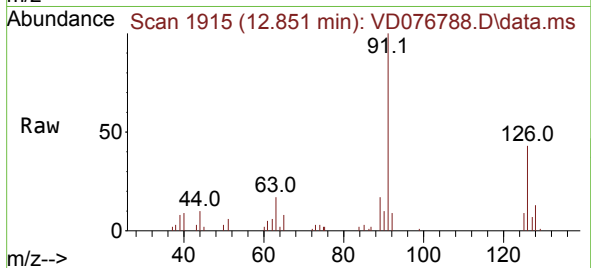
MDL-SOIL-03-QT3-2023

Tgt Ion: 91 Resp: 19834

Ion Ratio Lower Upper

91 100

126 37.7 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 3.587 ug/l

RT: 12.898 min Scan# 1923

Delta R.T. -0.006 min

Lab File: VD076788.D

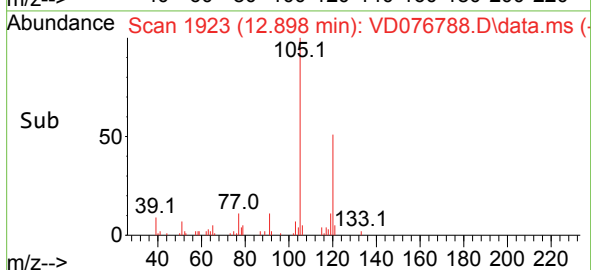
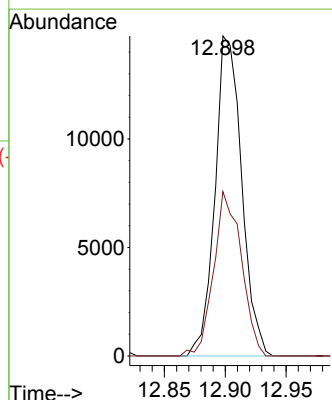
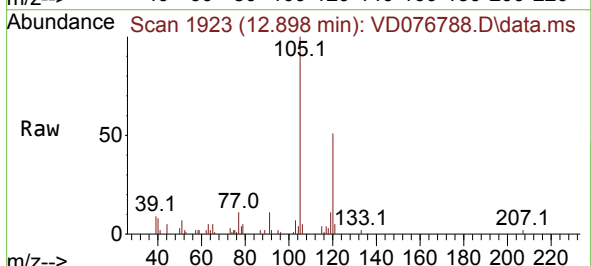
Acq: 19 Jul 2023 14:02

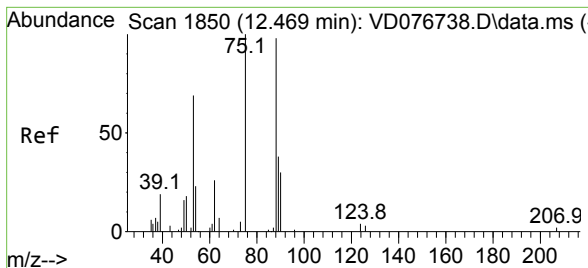
Tgt Ion: 105 Resp: 22493

Ion Ratio Lower Upper

105 100

120 53.2 26.4 79.2

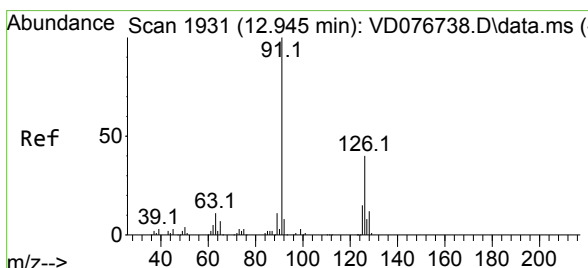
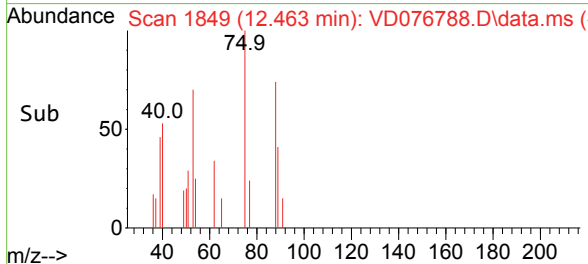
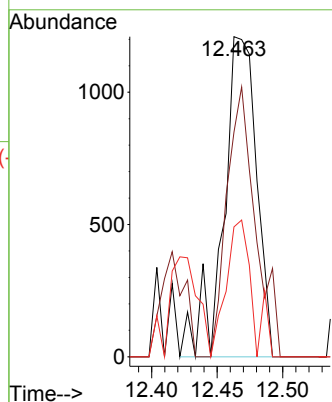
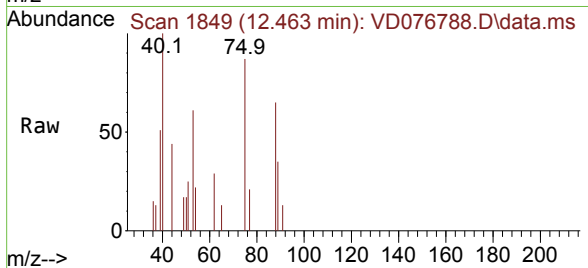




#81
trans-1,4-Dichloro-2-butene
Concen: 4.460 ug/l
RT: 12.463 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

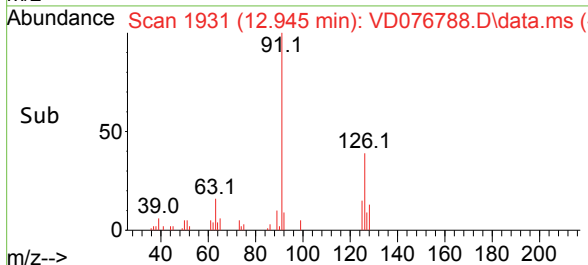
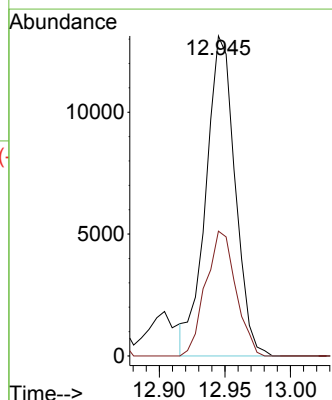
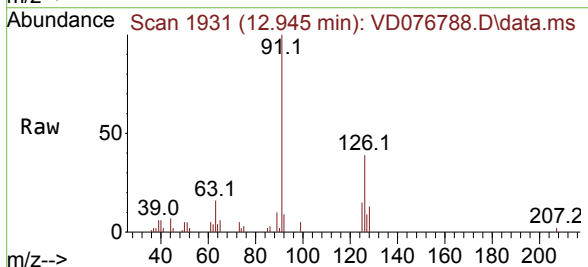
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

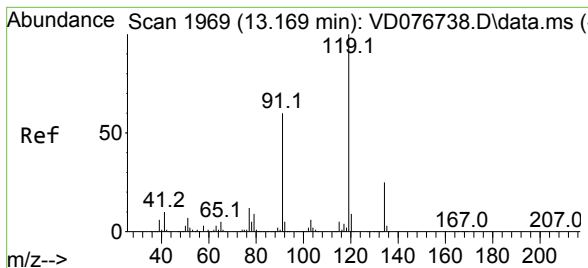
Tgt Ion: 75 Resp: 2130
Ion Ratio Lower Upper
75 100
53 72.8 63.0 94.4
89 33.2 37.9 56.9#



#82
4-Chlorotoluene
Concen: 3.772 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion: 91 Resp: 20310
Ion Ratio Lower Upper
91 100
126 40.4 19.4 58.4





#83

tert-Butylbenzene

Concen: 3.794 ug/l

RT: 13.163 min Scan# 1969

Delta R.T. -0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

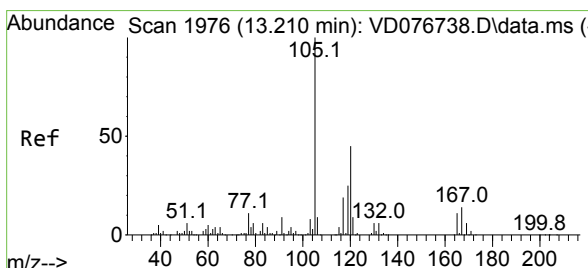
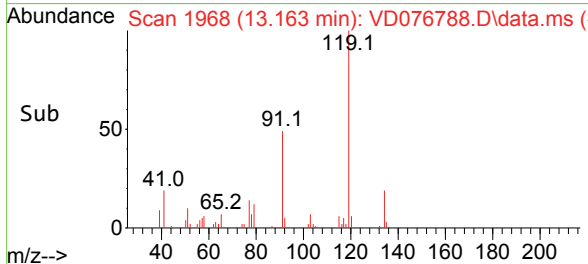
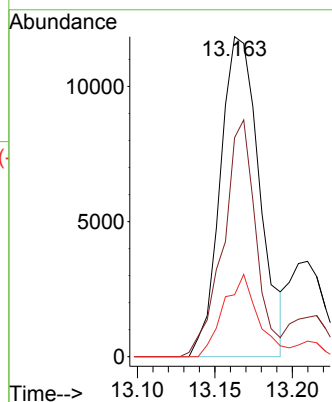
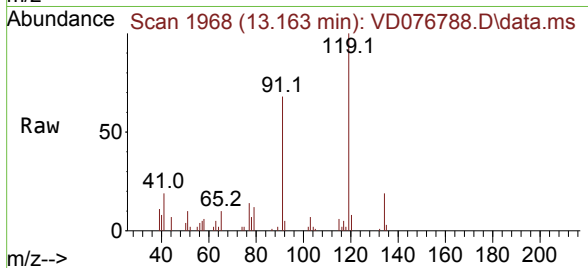
Tgt Ion:119 Resp: 20947

Ion Ratio Lower Upper

119 100

91 61.6 29.3 87.8

134 22.8 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 3.434 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD076788.D

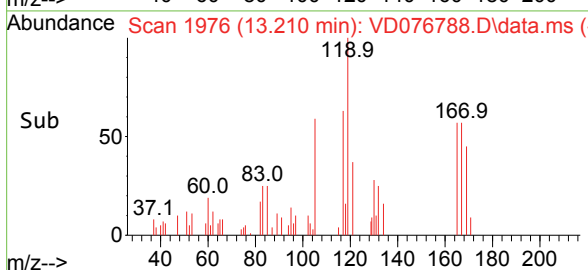
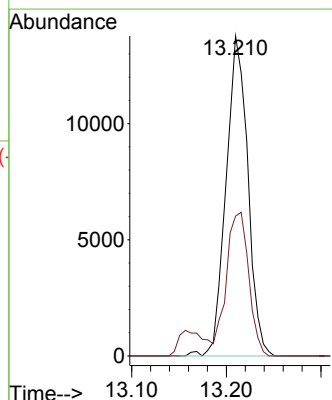
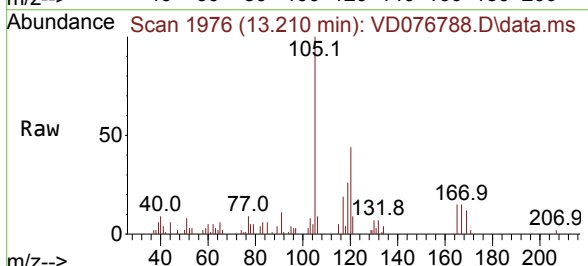
Acq: 19 Jul 2023 14:02

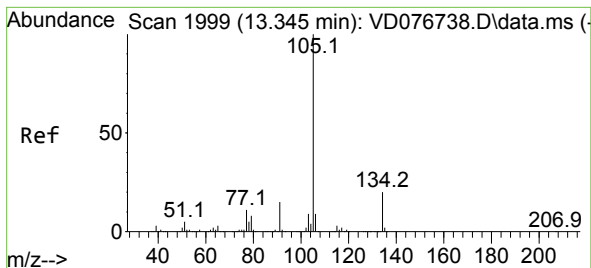
Tgt Ion:105 Resp: 22005

Ion Ratio Lower Upper

105 100

120 45.9 24.3 72.9





#85

sec-Butylbenzene

Concen: 3.665 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

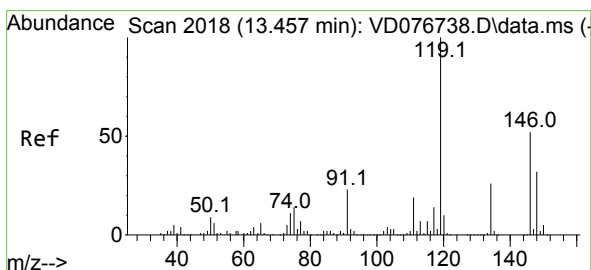
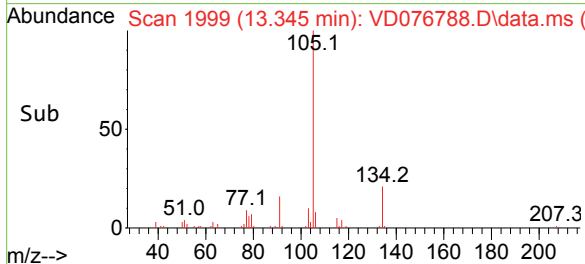
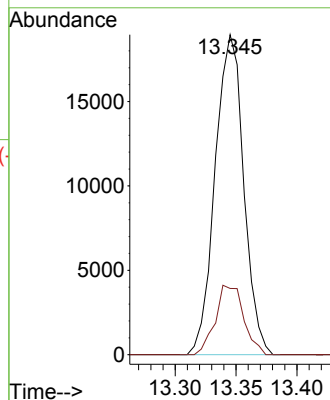
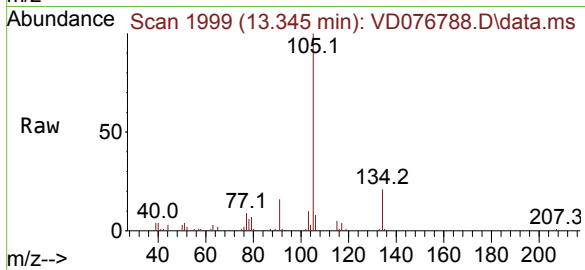
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 30917

Ion Ratio Lower Upper

105 100

134 21.4 10.9 32.9



#86

p-Isopropyltoluene

Concen: 3.627 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

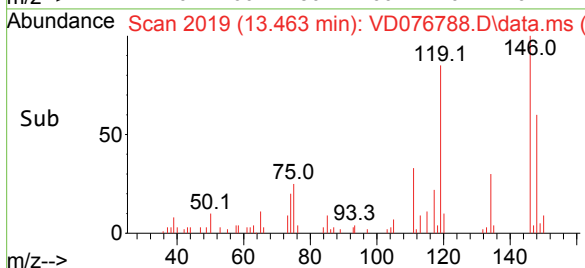
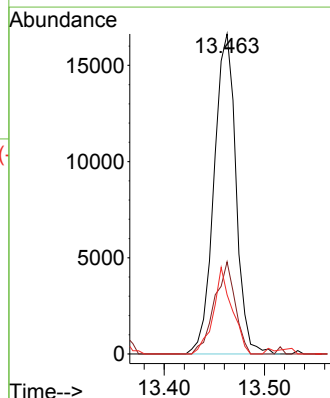
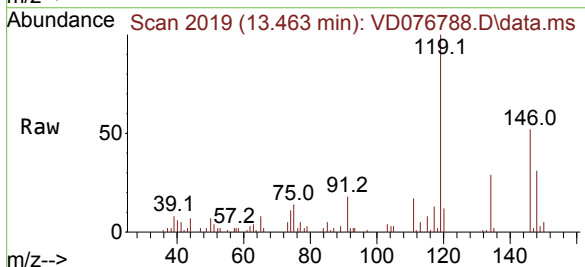
Tgt Ion:119 Resp: 25263

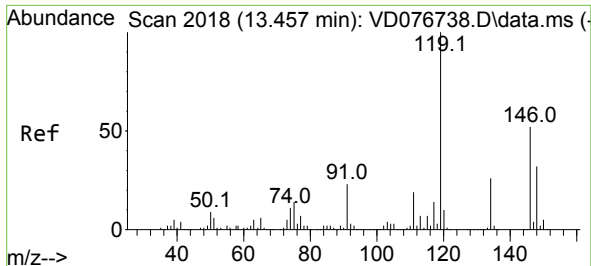
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 23.0 10.5 31.5

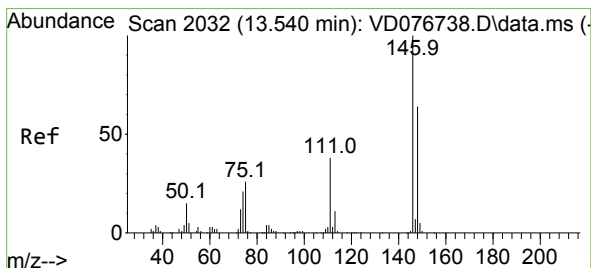
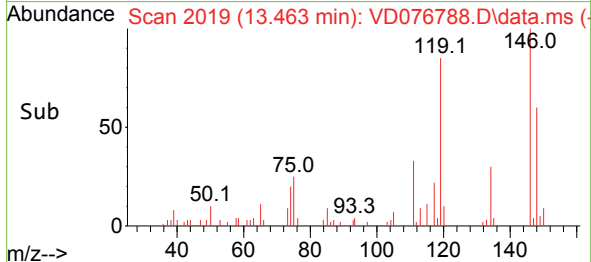
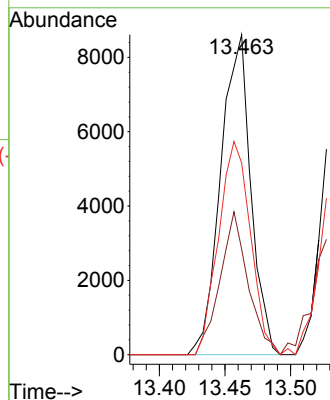
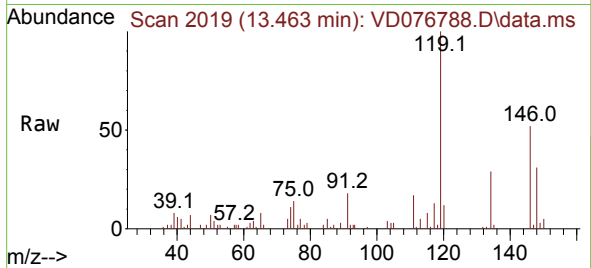




#87
1,3-Dichlorobenzene
Concen: 3.741 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

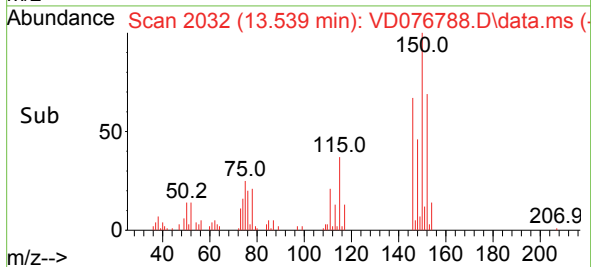
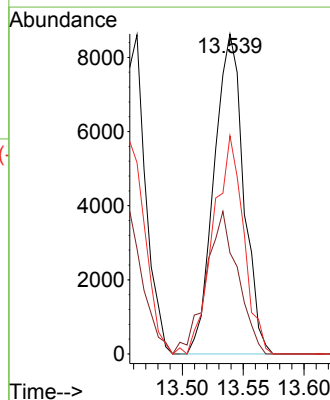
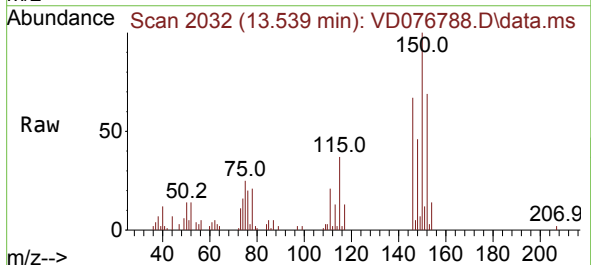
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2023

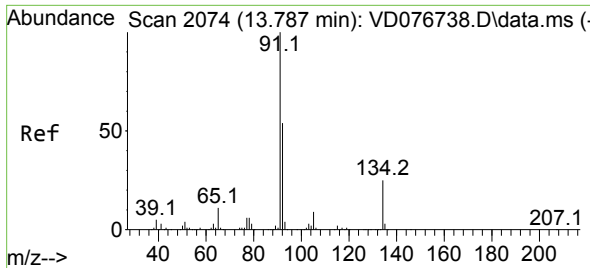
Tgt Ion:146 Resp: 13773
Ion Ratio Lower Upper
146 100
111 41.8 17.9 53.8
148 70.5 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 4.039 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:146 Resp: 14570
Ion Ratio Lower Upper
146 100
111 47.9 17.4 52.3
148 70.2 31.7 95.1

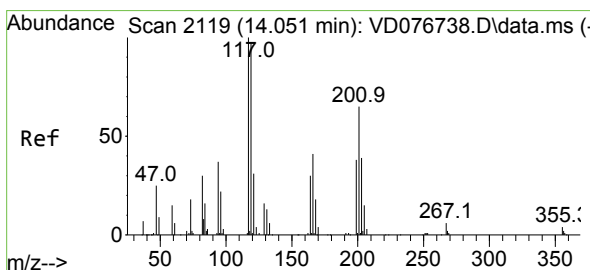
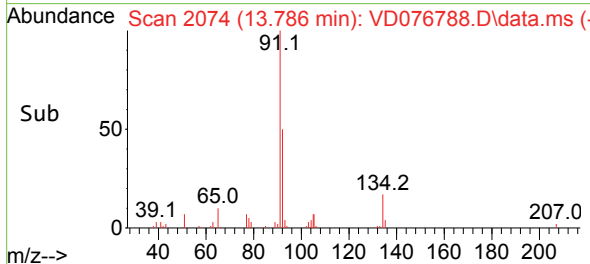
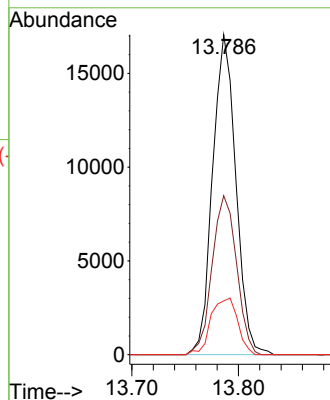
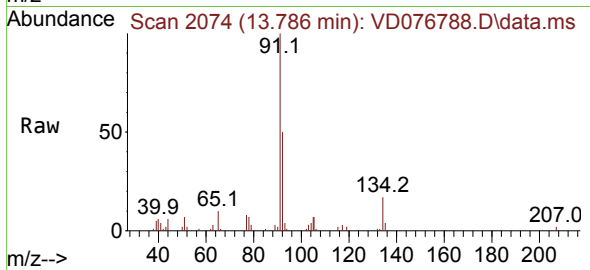




#89
n-Butylbenzene
Concen: 3.788 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.001 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

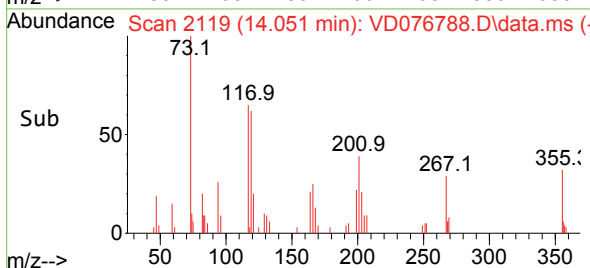
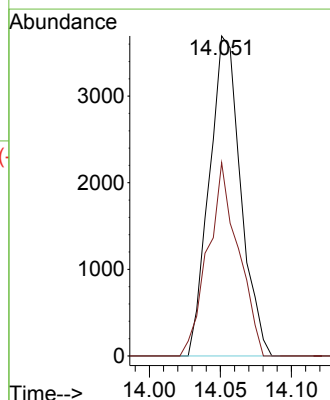
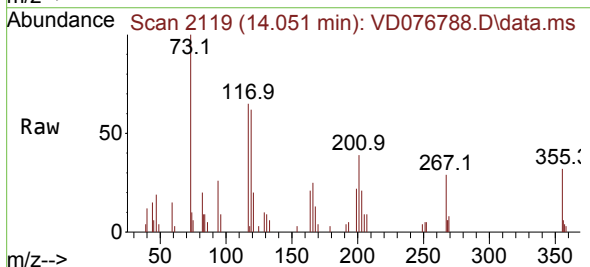
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2023

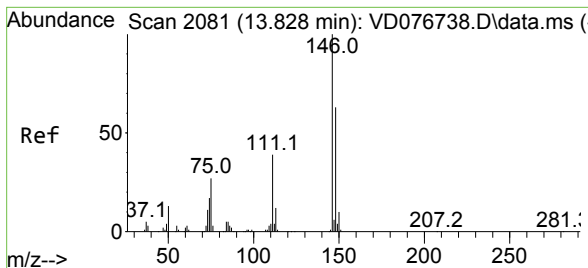
Tgt Ion:	91	Resp:	25819
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.5
134	20.4	13.8	41.3



#90
Hexachloroethane
Concen: 4.407 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. -0.000 min
Lab File: VD076788.D
Acq: 19 Jul 2023 14:02

Tgt Ion:	117	Resp:	5676
Ion	Ratio	Lower	Upper
117	100		
201	58.6	38.5	115.5





#91

1,2-Dichlorobenzene

Concen: 3.963 ug/l

RT: 13.833 min Scan# 2081

Delta R.T. 0.005 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

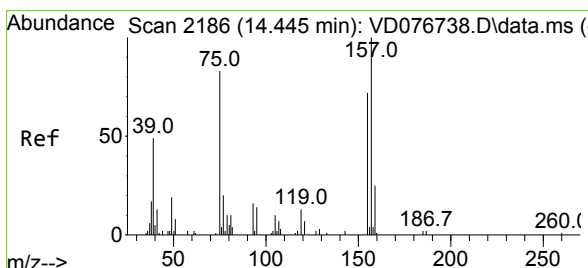
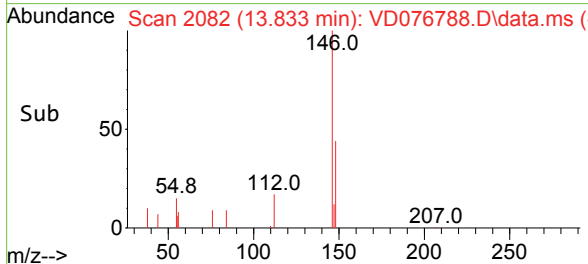
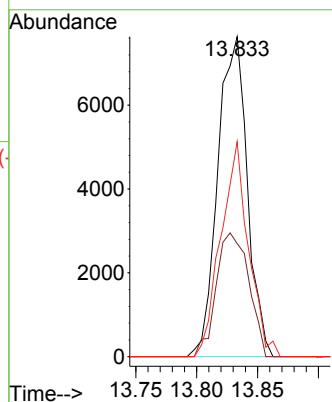
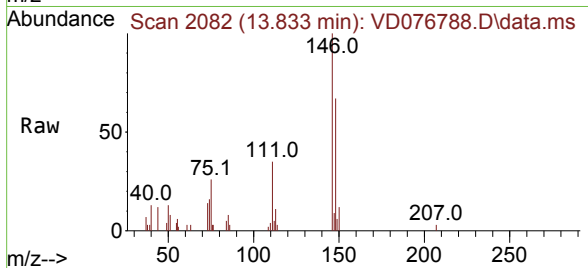
Tgt Ion:146 Resp: 12857

Ion Ratio Lower Upper

146 100

111 42.8 18.3 54.8

148 63.3 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.865 ug/l

RT: 14.439 min Scan# 2185

Delta R.T. -0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

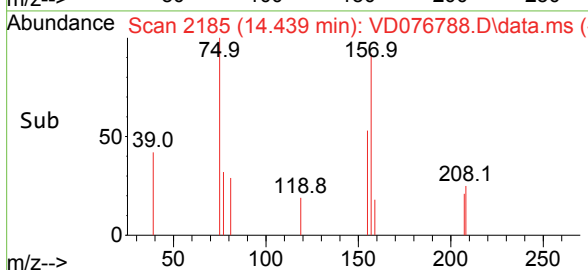
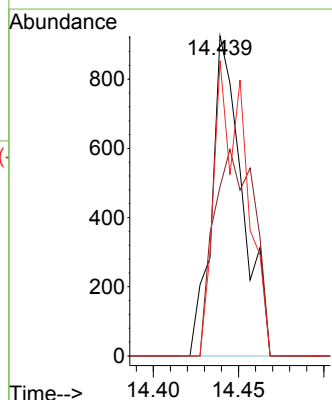
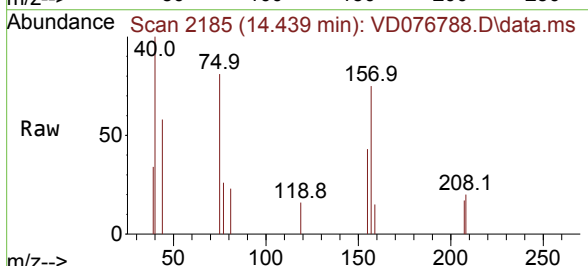
Tgt Ion: 75 Resp: 1155

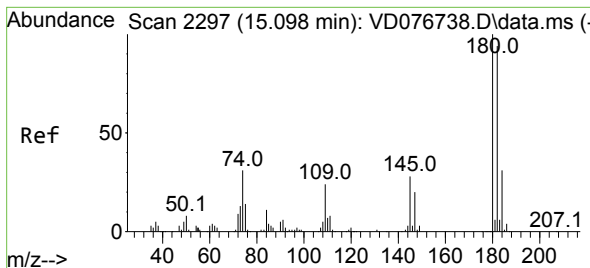
Ion Ratio Lower Upper

75 100

155 85.6 47.9 143.8

157 95.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 3.896 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD076788.D

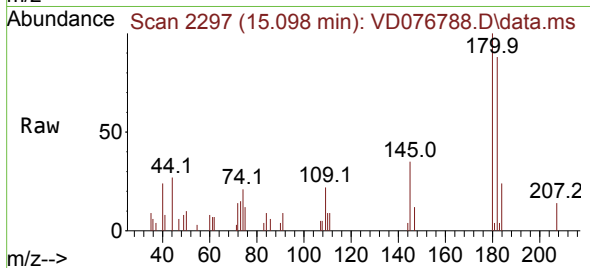
Acq: 19 Jul 2023 14:02

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023



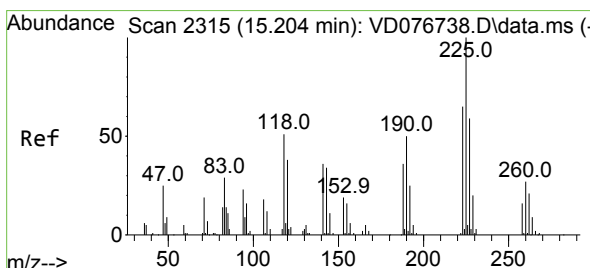
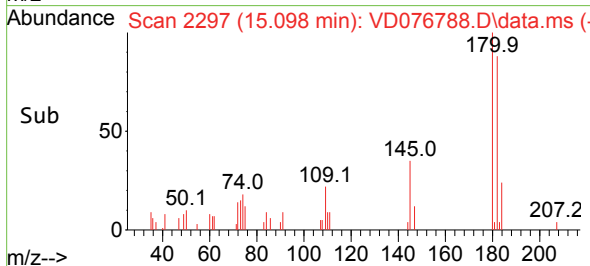
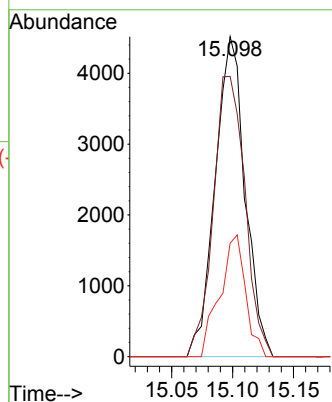
Tgt Ion:180 Resp: 7716

Ion Ratio Lower Upper

180 100

182 92.8 48.5 145.6

145 32.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 3.836 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

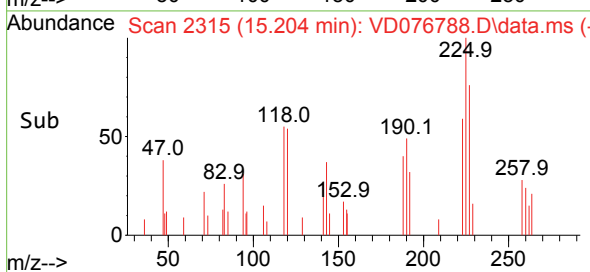
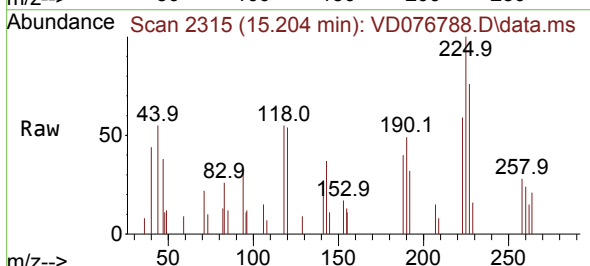
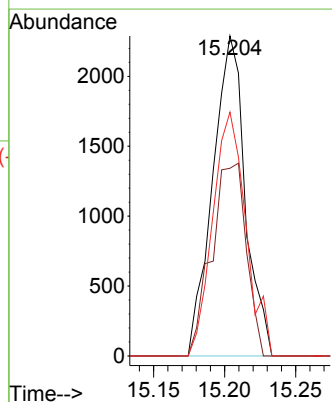
Tgt Ion:225 Resp: 3654

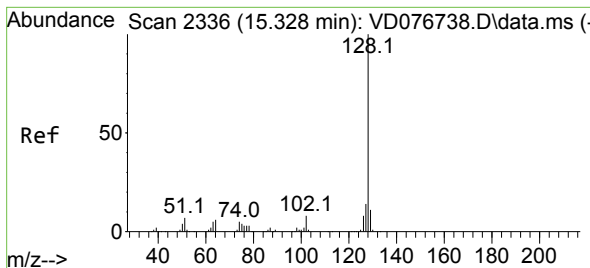
Ion Ratio Lower Upper

225 100

223 64.2 31.6 94.8

227 77.6 31.7 95.1





#95

Naphthalene

Concen: 3.591 ug/l

RT: 15.327 min Scan# 21

Delta R.T. -0.001 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

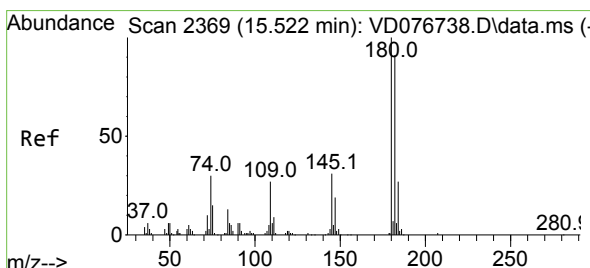
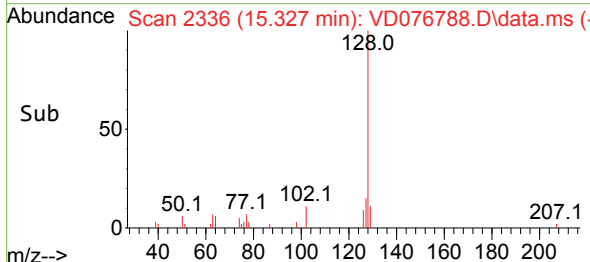
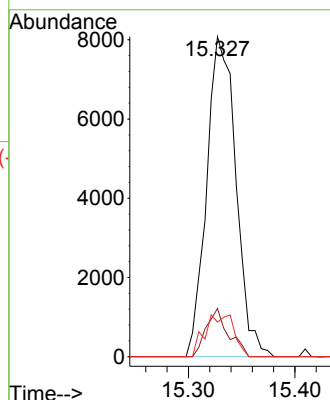
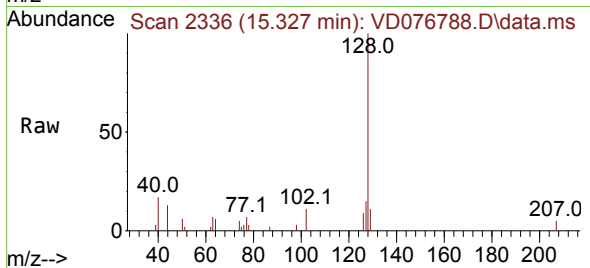
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion:128	Resp:	15401
Ion Ratio	Lower	Upper
128	100	
127	15.1	10.5 15.7
129	10.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 3.781 ug/l

RT: 15.516 min Scan# 2368

Delta R.T. -0.006 min

Lab File: VD076788.D

Acq: 19 Jul 2023 14:02

Tgt Ion:180	Resp:	6720
Ion Ratio	Lower	Upper
180	100	
182	97.6	47.3 141.9
145	35.5	15.1 45.3

