

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073678.D
 Acq On : 23 Jun 2022 21:08
 Operator : VA/SY
 Sample : N3214-03 4.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jun 24 07:28:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:23:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	181585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	298186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	151774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	120931	54.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.440%	
35) Dibromofluoromethane	7.908	113	122361	51.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.120%	
50) Toluene-d8	10.332	98	407140	47.318	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.620	95	151079	46.814	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	9236	5.036	ug/l	95
3) Chloromethane	2.209	50	7982	4.815	ug/l	95
4) Vinyl Chloride	2.344	62	7210	4.408	ug/l	94
5) Bromomethane	2.762	94	6170	4.902	ug/l	96
6) Chloroethane	2.915	64	4842	4.395	ug/l	99
7) Trichlorofluoromethane	3.268	101	17956	4.693	ug/l	89
8) Diethyl Ether	3.709	74	4102	4.181	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	9968	4.542	ug/l	97
10) Methyl Iodide	4.297	142	8387	4.015	ug/l	96
11) Tert butyl alcohol	5.179	59	28502	57.476	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	8713	4.669	ug/l	92
13) Acrolein	3.909	56	471	12.498	ug/l #	45
14) Allyl chloride	4.715	41	10963	3.985	ug/l	94
15) Acrylonitrile	5.397	53	11015	23.457	ug/l #	17
16) Acetone	4.156	43	9955	25.271	ug/l	91
17) Carbon Disulfide	4.403	76	20255	4.302	ug/l #	84
18) Methyl Acetate	4.715	43	8815	7.255	ug/l #	81
19) Methyl tert-butyl Ether	5.473	73	19790	4.073	ug/l	92
20) Methylene Chloride	4.967	84	20479	7.149	ug/l #	87
21) trans-1,2-Dichloroethene	5.479	96	9678	4.360	ug/l	82
22) Diisopropyl ether	6.361	45	22958	3.717	ug/l	96
23) Vinyl Acetate	6.297	43	54379	16.793	ug/l	100
24) 1,1-Dichloroethane	6.256	63	18233	4.432	ug/l	94
25) 2-Butanone	7.208	43	13539	24.089	ug/l #	88
26) 2,2-Dichloropropane	7.197	77	18301	4.723	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	12043	4.613	ug/l	95
28) Bromochloromethane	7.532	49	7070	4.870	ug/l #	99
29) Tetrahydrofuran	7.561	42	8086	23.665	ug/l	95
30) Chloroform	7.697	83	21654	4.677	ug/l	99
31) Cyclohexane	7.973	56	15907	4.754	ug/l #	75
32) 1,1,1-Trichloroethane	7.891	97	19258	4.631	ug/l	99
36) 1,1-Dichloropropene	8.103	75	14038	4.173	ug/l	98
37) Ethyl Acetate	7.291	43	5931	4.492	ug/l #	94
38) Carbon Tetrachloride	8.091	117	17552	4.481	ug/l	98
39) Methylcyclohexane	9.344	83	14414	3.859	ug/l	93
40) Benzene	8.344	78	41064	4.217	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.503	41	1482	1.859	ug/l #	17
42) 1,2-Dichloroethane	8.408	62	14246	4.855	ug/l	98
43) Isopropyl Acetate	8.438	43	11129	4.296	ug/l	95
44) Trichloroethene	9.103	130	12031	4.301	ug/l	90
45) 1,2-Dichloropropane	9.385	63	10287	4.214	ug/l	94
46) Dibromomethane	9.467	93	6069	4.282	ug/l	96
47) Bromodichloromethane	9.655	83	16468	4.433	ug/l	99
48) Methyl methacrylate	9.444	41	4141	3.149	ug/l #	76
49) 1,4-Dioxane	9.450	88	1017	64.266	ug/l #	61
51) 4-Methyl-2-Pentanone	10.220	43	26852	20.169	ug/l	99
52) Toluene	10.397	92	27875	4.369	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	13835	4.094	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	15944	4.145	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	8885	4.447	ug/l	93
56) Ethyl methacrylate	10.655	69	8499	3.774	ug/l	98
57) 1,3-Dichloropropane	10.932	76	13356	4.054	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.938	63	17498	20.024	ug/l	99
59) 2-Hexanone	10.973	43	17534	19.508	ug/l	94
60) Dibromochloromethane	11.138	129	11433	4.342	ug/l	98
61) 1,2-Dibromoethane	11.232	107	8268	4.372	ug/l	98
64) Tetrachloroethene	10.873	164	10774	4.563	ug/l	93
65) Chlorobenzene	11.661	112	30449	4.172	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	12604	4.298	ug/l	98
67) Ethyl Benzene	11.738	91	48410	3.801	ug/l	90
68) m/p-Xylenes	11.844	106	35400	7.193	ug/l	99
69) o-Xylene	12.167	106	15527	3.401	ug/l	86
70) Styrene	12.185	104	27471	3.439	ug/l	98
71) Bromoform	12.349	173	6692	4.192	ug/l #	93
73) Isopropylbenzene	12.467	105	43556	3.514	ug/l	99
74) N-amyl acetate	12.279	43	8406	3.315	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	10712	4.581	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	11855	8.026	ug/l #	1
77) Bromobenzene	12.749	156	12685	4.256	ug/l	93
78) n-propylbenzene	12.808	91	55870	3.688	ug/l	99
79) 2-Chlorotoluene	12.896	91	34075	3.862	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	35559	3.347	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.502	75	2961	4.093	ug/l	90
82) 4-Chlorotoluene	12.991	91	35815	3.818	ug/l	99
83) tert-Butylbenzene	13.214	119	32053	3.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	35908	3.441	ug/l	99
85) sec-Butylbenzene	13.391	105	49175	3.580	ug/l	96
86) p-Isopropyltoluene	13.502	119	37851	3.310	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	24378	3.928	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	26097	4.249	ug/l	94
89) n-Butylbenzene	13.826	91	37450	3.497	ug/l	97
90) Hexachloroethane	14.090	117	9518	4.038	ug/l	91
91) 1,2-Dichlorobenzene	13.867	146	22267	4.170	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	1739	4.455	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	12279	3.850	ug/l	99
94) Hexachlorobutadiene	15.249	225	7657	4.234	ug/l	92
95) Naphthalene	15.385	128	18677	3.276	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	11100	3.984	ug/l	92

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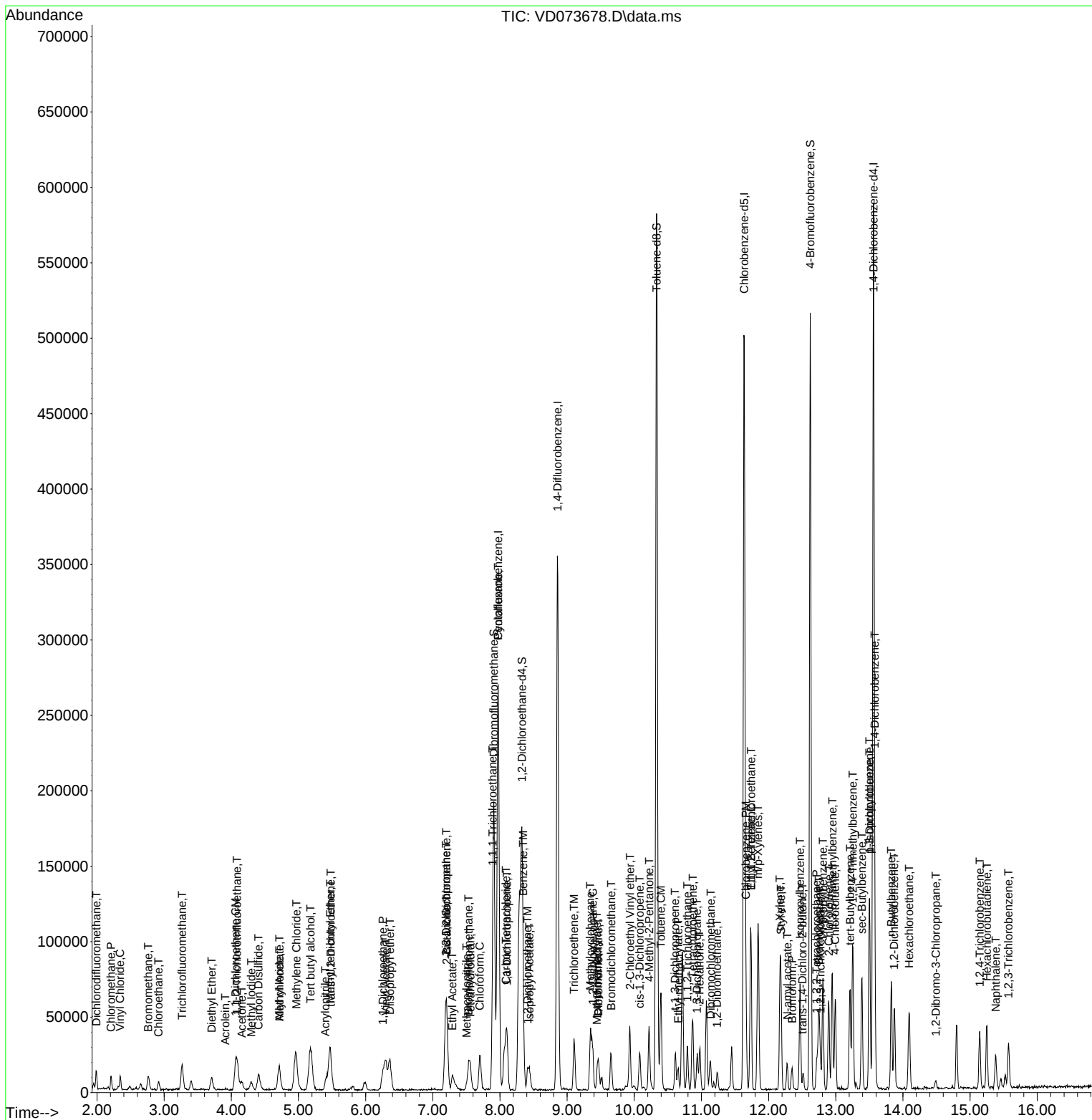
Instrument :
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ClientSampleId :
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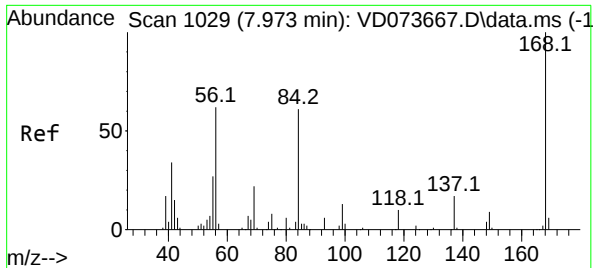
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Quant Title : SW846 8260
QLast Update : Fri Jun 24 07:23:55 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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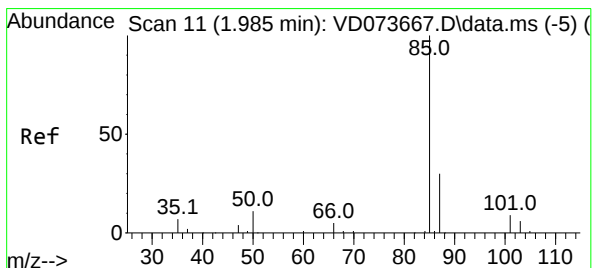
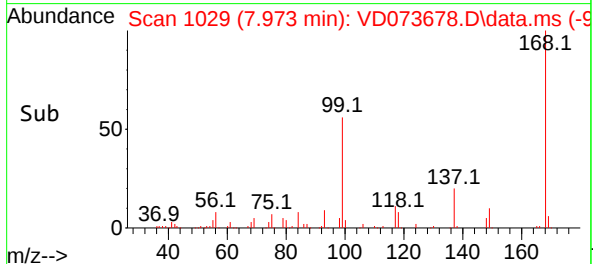
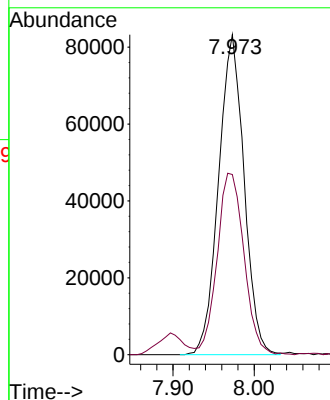
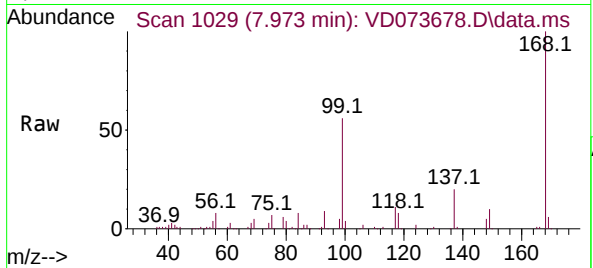




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073678.D
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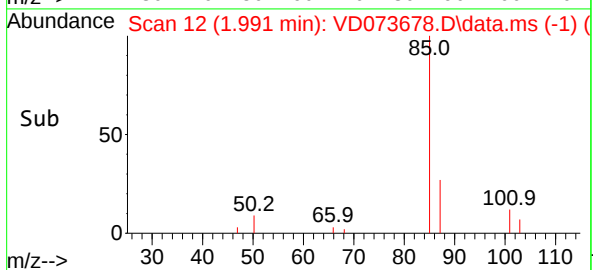
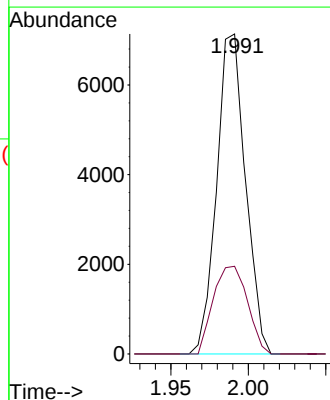
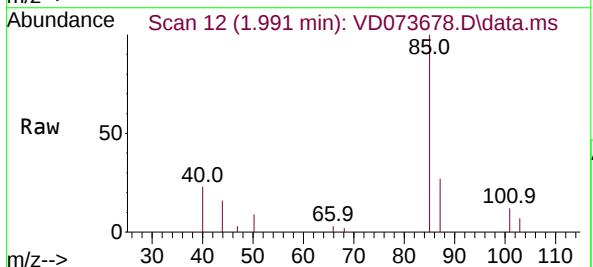
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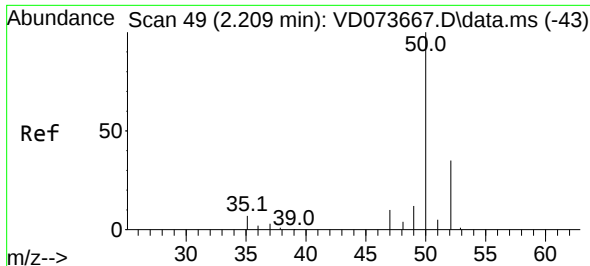
Tgt Ion:168 Resp: 181585
Ion Ratio Lower Upper
168 100
99 55.8 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 5.036 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 85 Resp: 9236
Ion Ratio Lower Upper
85 100
87 27.4 15.2 45.5

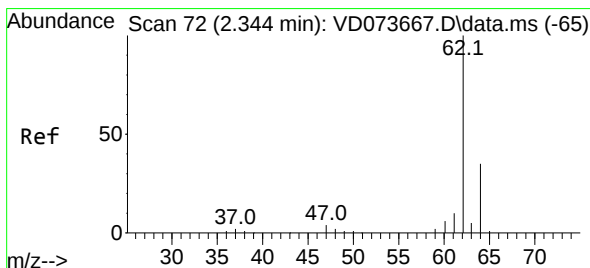
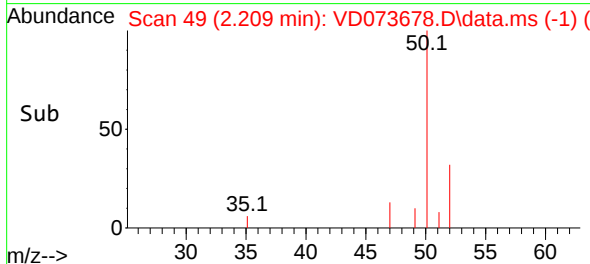
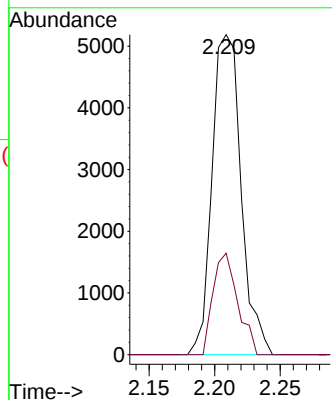
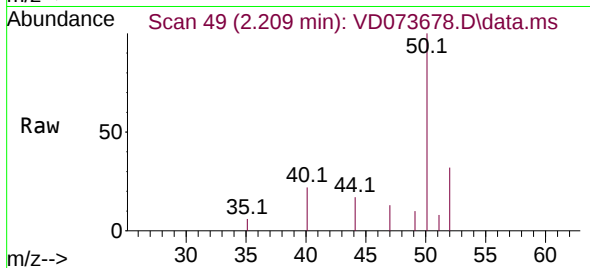




#3
Chloromethane
Concen: 4.815 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

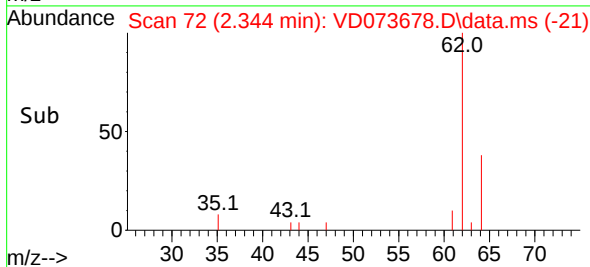
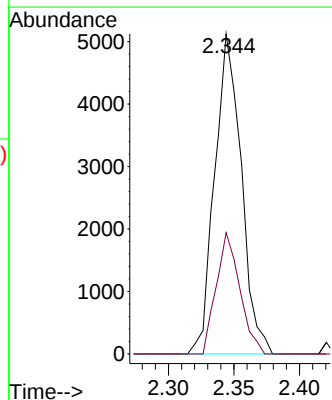
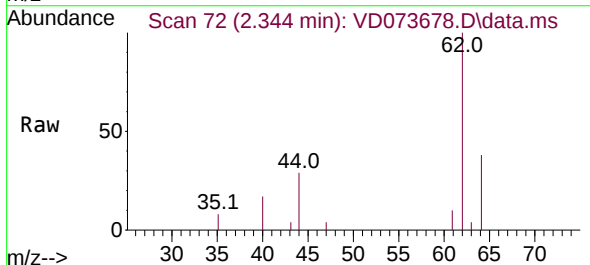
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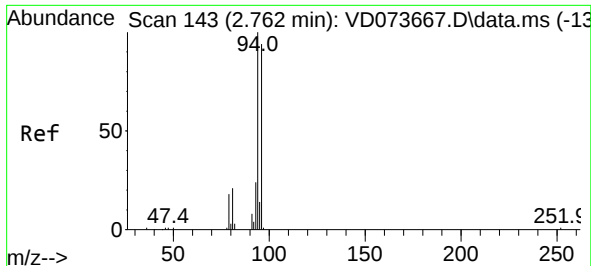
Tgt Ion: 50 Resp: 7982
Ion Ratio Lower Upper
50 100
52 31.7 27.8 41.6



#4
Vinyl Chloride
Concen: 4.408 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 62 Resp: 7210
Ion Ratio Lower Upper
62 100
64 37.9 27.8 41.6

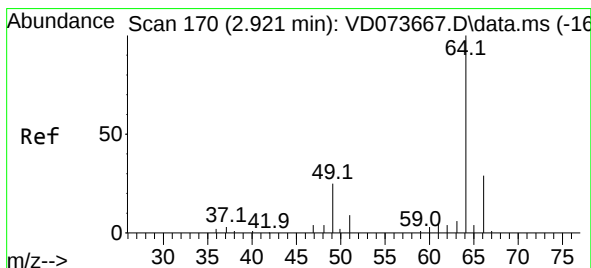
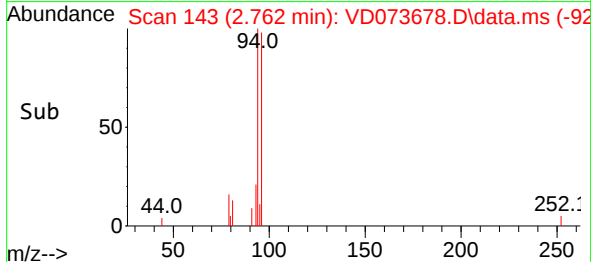
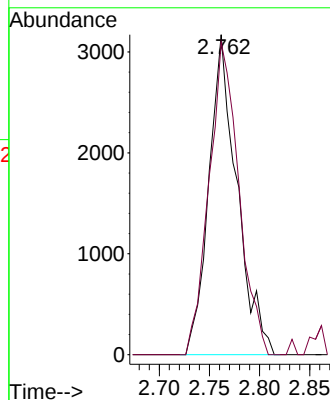
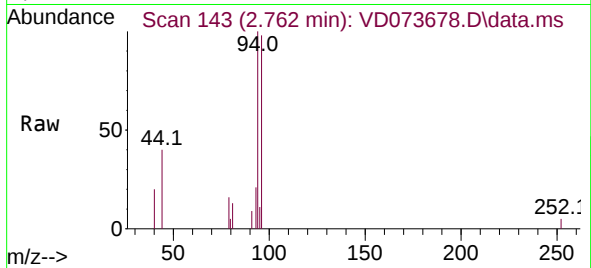




#5
Bromomethane
Concen: 4.902 ug/l
RT: 2.762 min Scan# 143
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

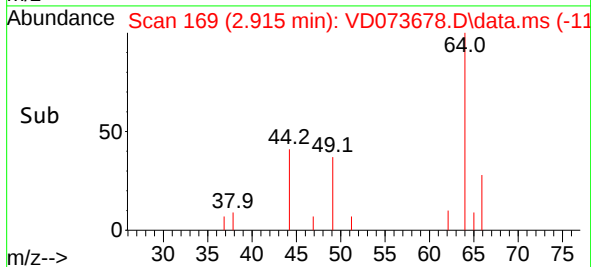
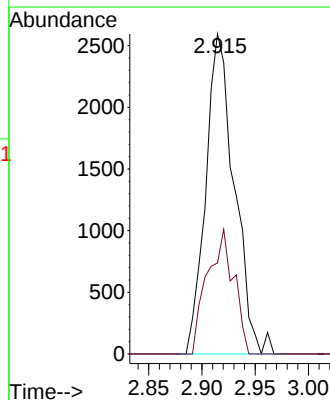
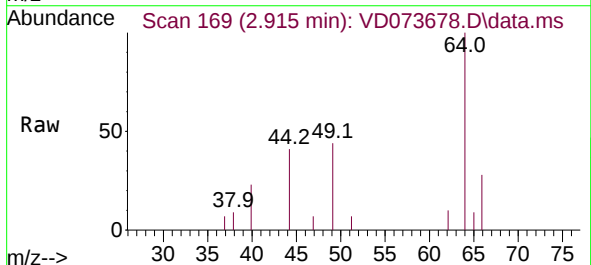
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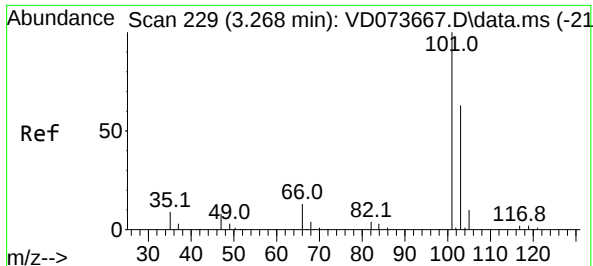
Tgt Ion: 94 Resp: 6170
Ion Ratio Lower Upper
94 100
96 97.7 75.1 112.7



#6
Chloroethane
Concen: 4.395 ug/l
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 64 Resp: 4842
Ion Ratio Lower Upper
64 100
66 28.4 23.3 34.9

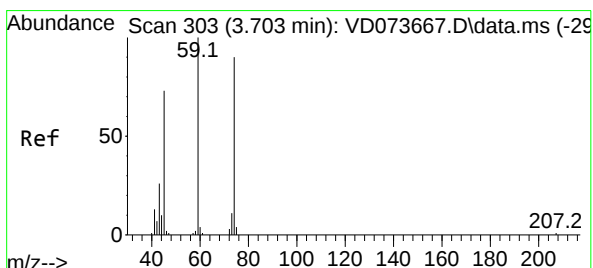
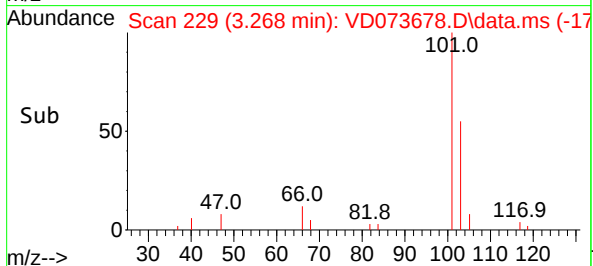
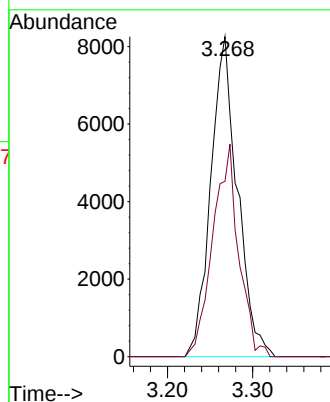
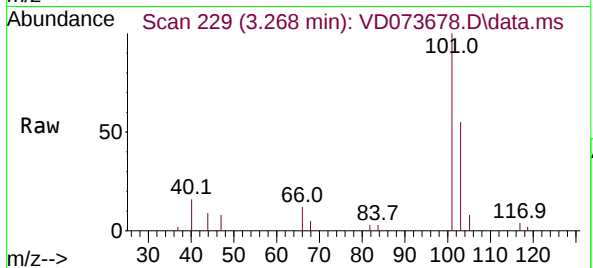




#7
Trichlorofluoromethane
Concen: 4.693 ug/l
RT: 3.268 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

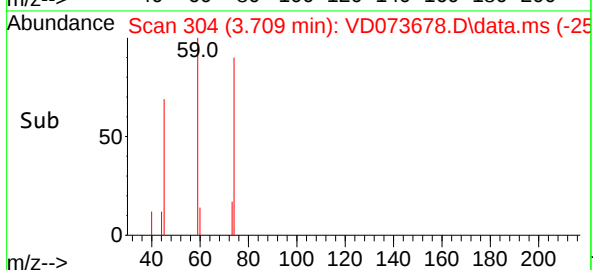
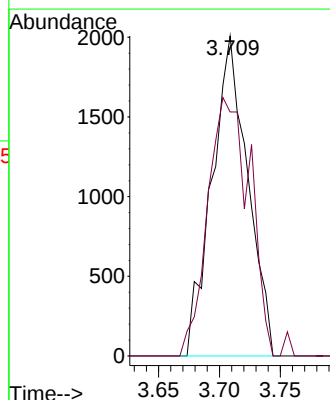
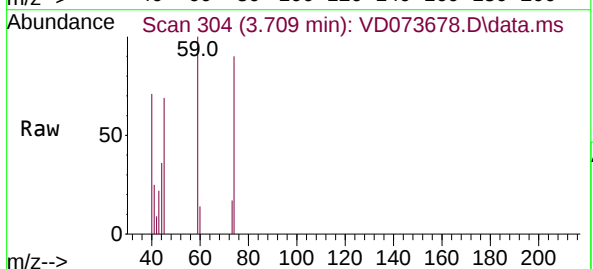
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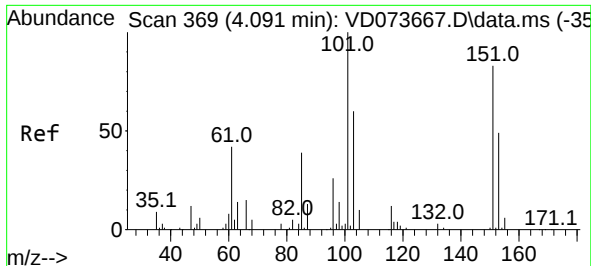
Tgt Ion:101 Resp: 17956
Ion Ratio Lower Upper
101 100
103 54.8 50.4 75.6



#8
Diethyl Ether
Concen: 4.181 ug/l
RT: 3.709 min Scan# 304
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 74 Resp: 4102
Ion Ratio Lower Upper
74 100
45 95.2 45.0 134.8

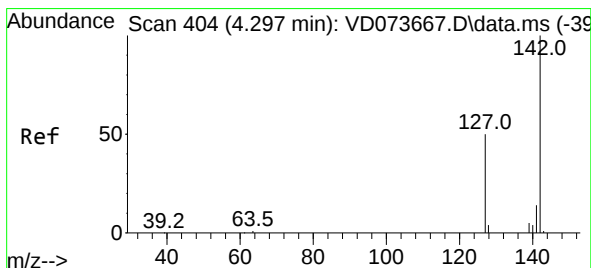
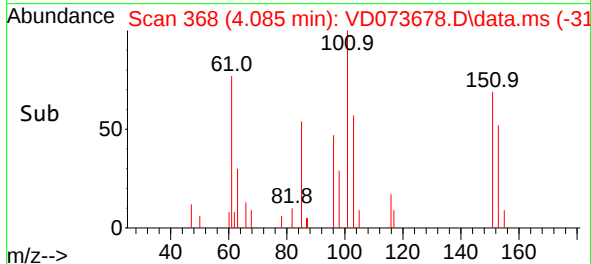
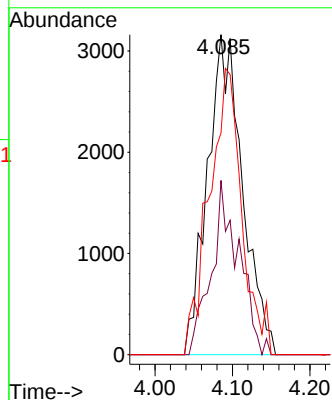
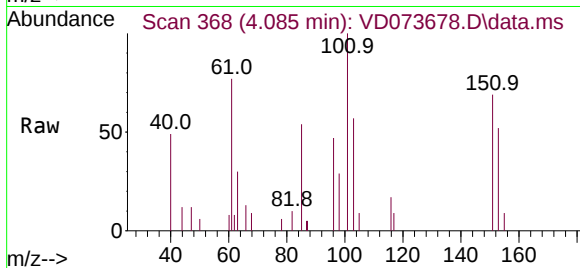




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.542 ug/l
RT: 4.085 min Scan# 30
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

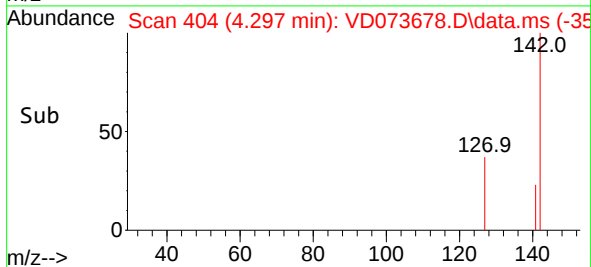
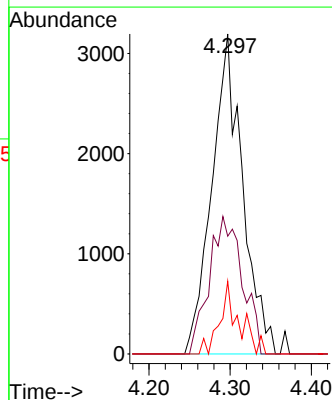
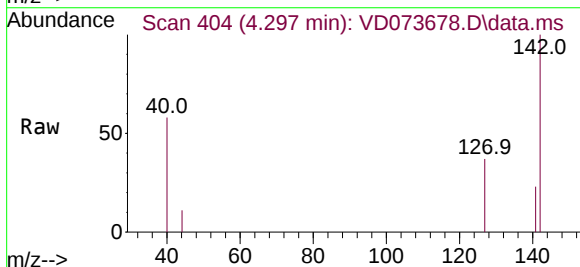
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

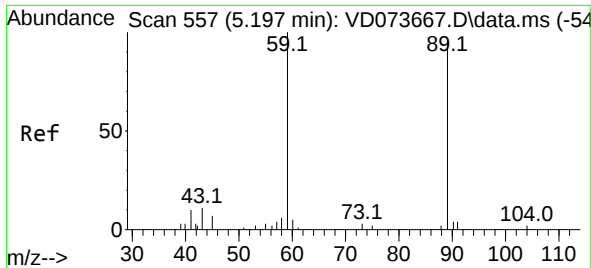
Tgt Ion:101 Resp: 9968
Ion Ratio Lower Upper
101 100
85 42.7 34.8 52.2
151 82.8 63.4 95.0



#10
Methyl Iodide
Concen: 4.015 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:142 Resp: 8387
Ion Ratio Lower Upper
142 100
127 46.5 39.4 59.2
141 14.1 11.9 17.9

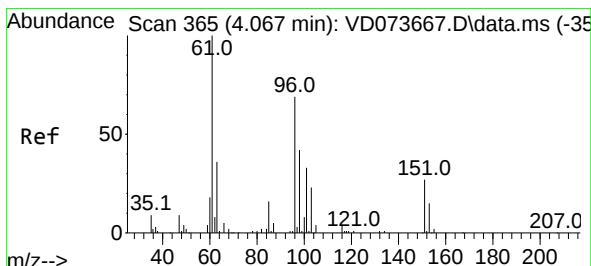
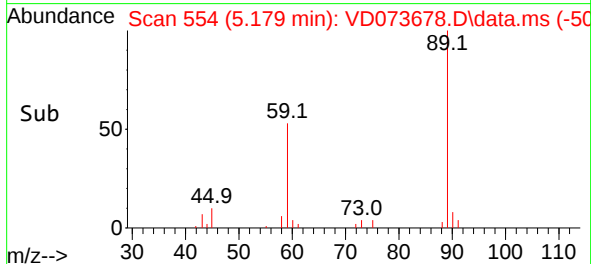
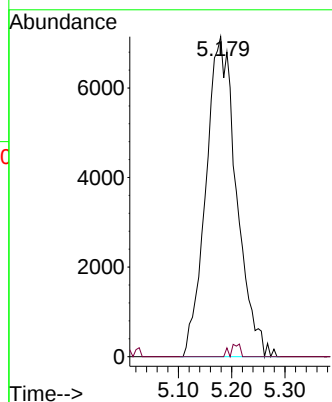
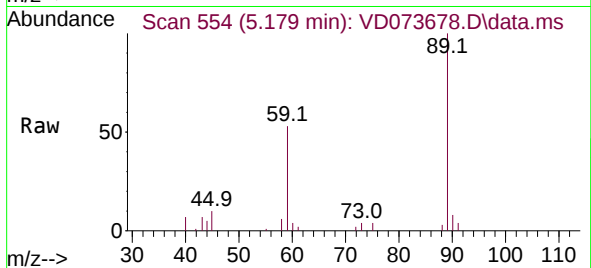




#11
Tert butyl alcohol
Concen: 57.476 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

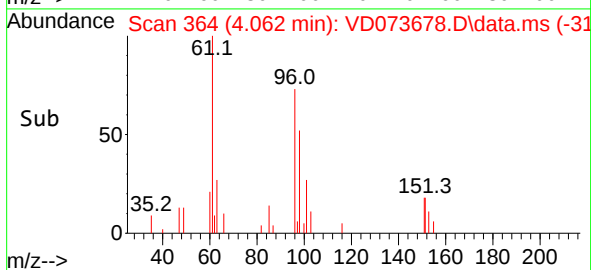
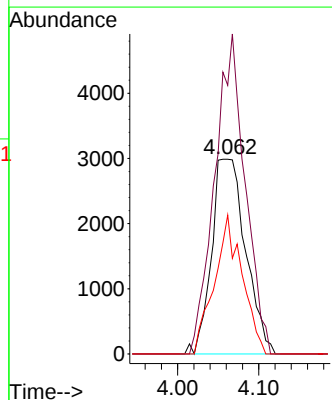
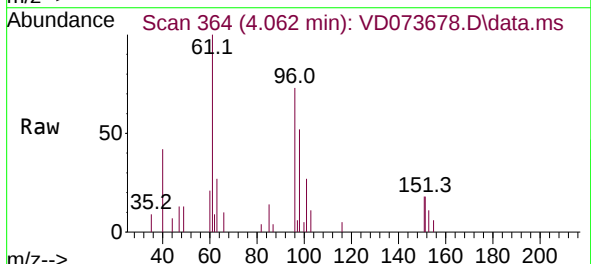
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

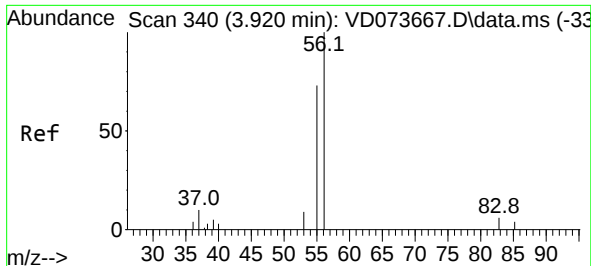
Tgt Ion: 59 Resp: 28502
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 4.669 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 96 Resp: 8713
Ion Ratio Lower Upper
96 100
61 137.9 116.3 174.5
98 71.3 48.7 73.1

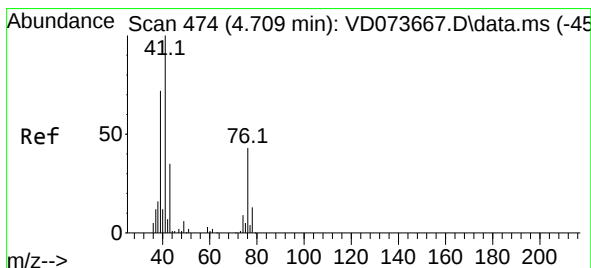
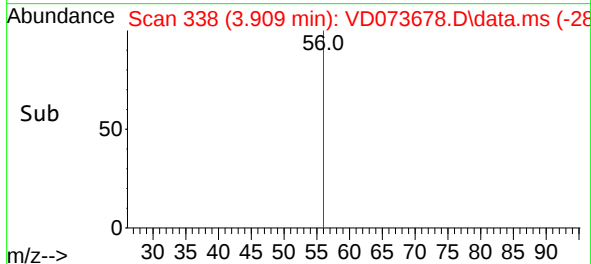
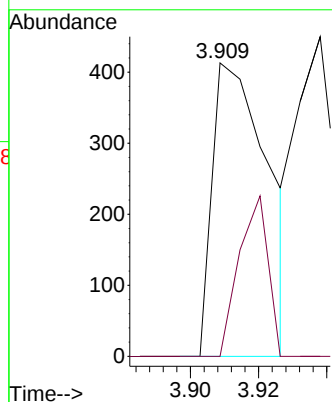
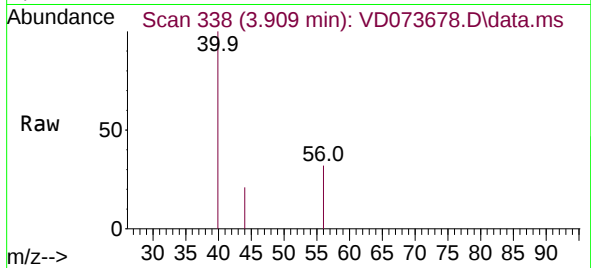




#13
Acrolein
Concen: 12.498 ug/l
RT: 3.909 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

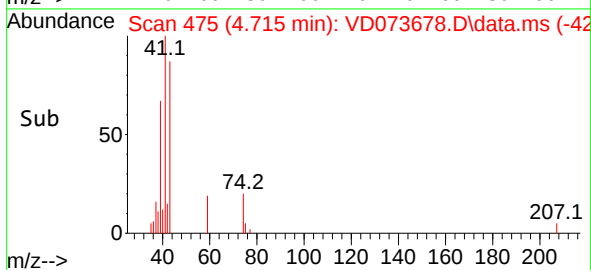
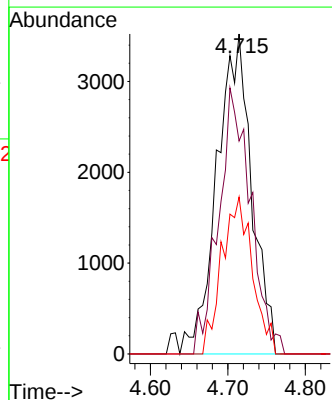
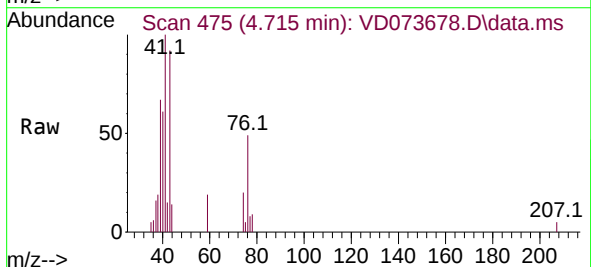
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

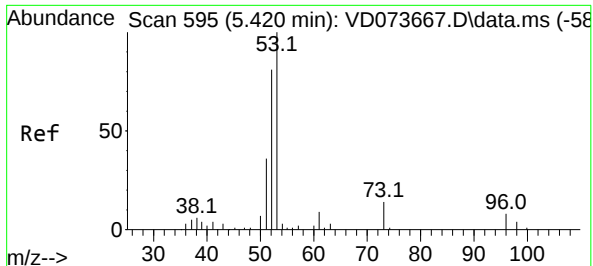
Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 28.2 60.3 90.5#



#14
Allyl chloride
Concen: 3.985 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 41 Resp: 10963
Ion Ratio Lower Upper
41 100
39 76.8 56.6 85.0
76 43.2 32.7 49.1

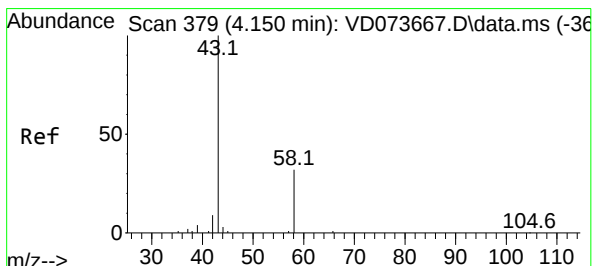
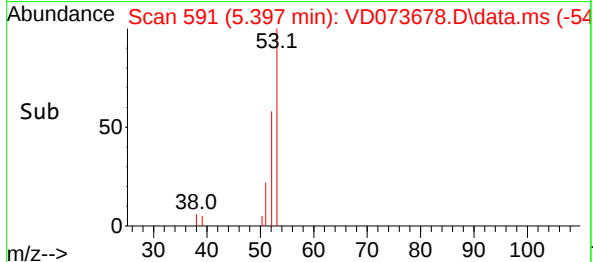
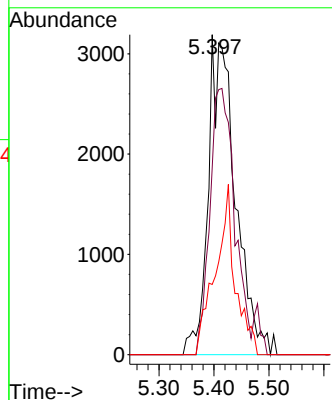
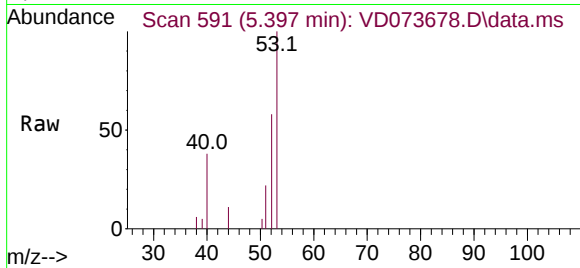




#15
Acrylonitrile
Concen: 23.457 ug/l
RT: 5.397 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

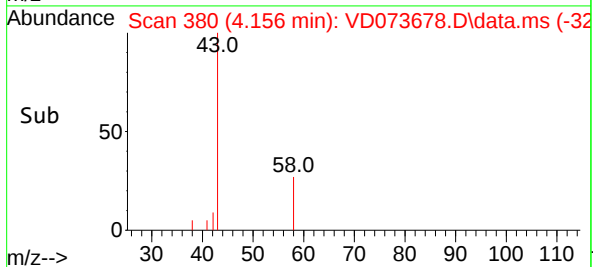
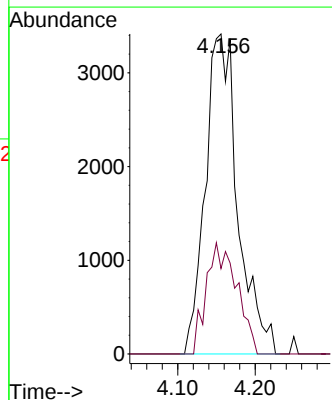
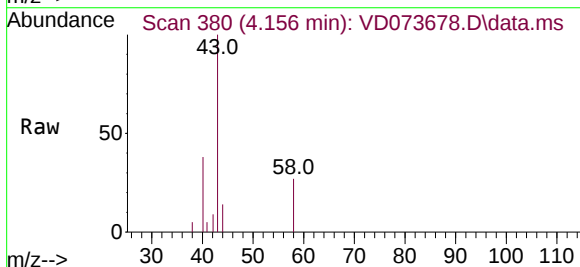
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

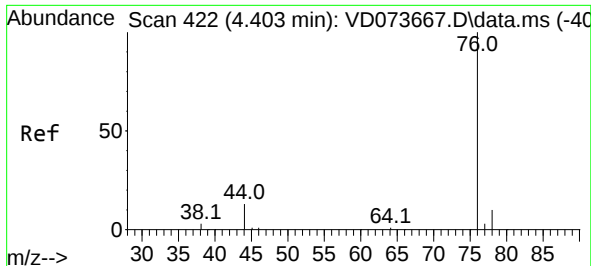
Tgt Ion: 53 Resp: 11015
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 0.0 30.2 45.2#



#16
Acetone
Concen: 25.271 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 43 Resp: 9955
Ion Ratio Lower Upper
43 100
58 26.7 25.2 37.8

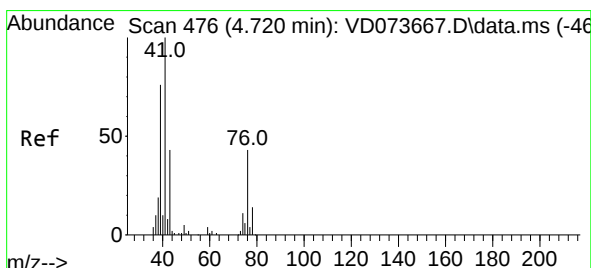
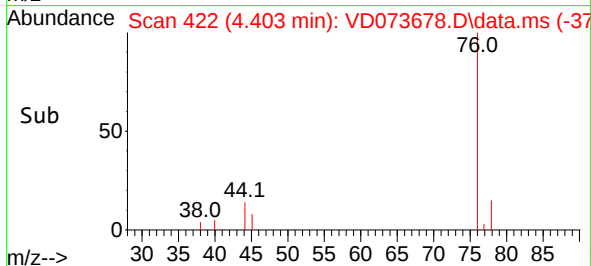
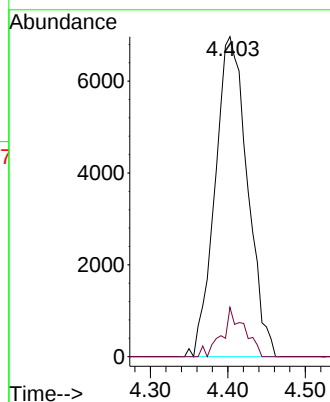
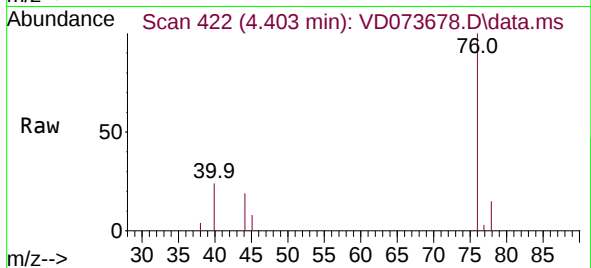




#17
Carbon Disulfide
Concen: 4.302 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

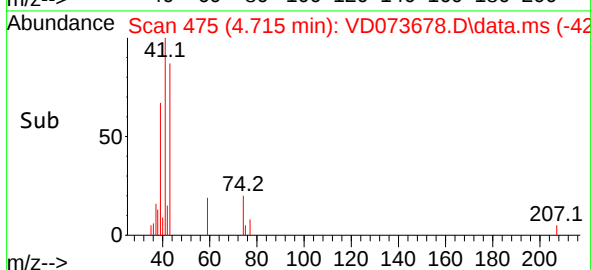
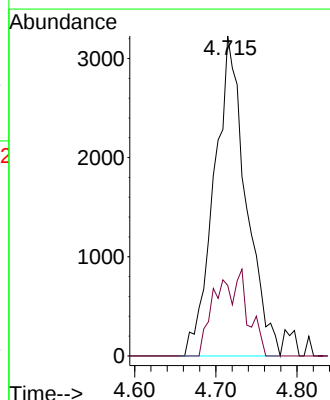
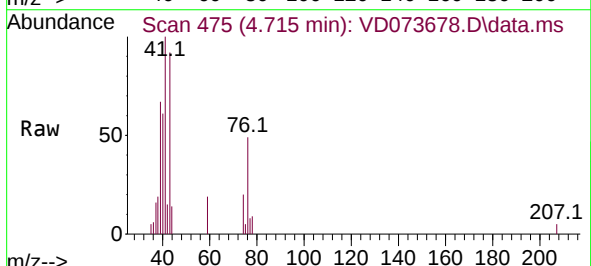
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

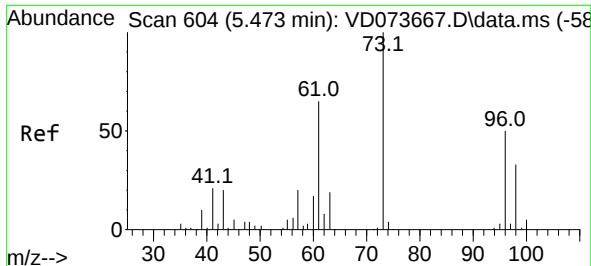
Tgt Ion: 76 Resp: 20255
Ion Ratio Lower Upper
76 100
78 15.4 7.7 11.5#



#18
Methyl Acetate
Concen: 7.255 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 43 Resp: 8815
Ion Ratio Lower Upper
43 100
74 15.5 20.2 30.4#





#19

Methyl tert-butyl Ether

Concen: 4.073 ug/l

RT: 5.473 min Scan# 604

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

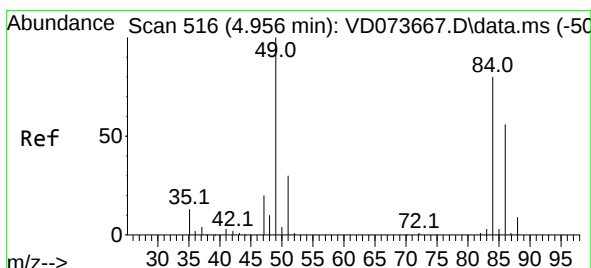
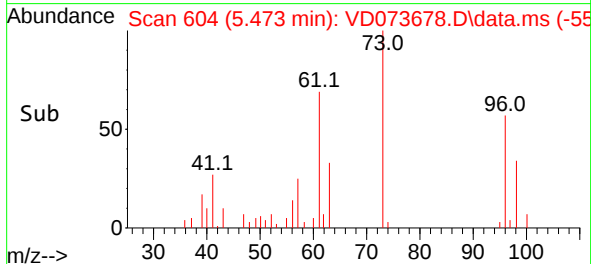
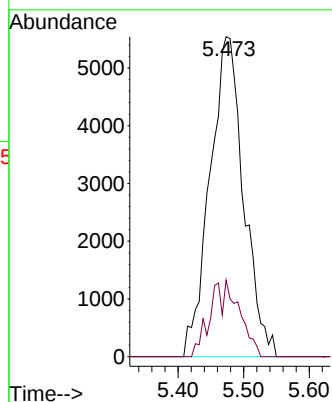
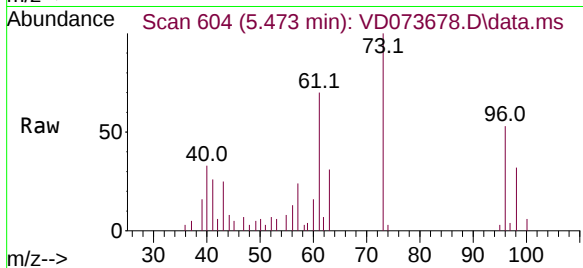
MDL-SOIL-03-QT2-2022

Tgt Ion: 73 Resp: 19790

Ion Ratio Lower Upper

73 100

57 24.0 16.3 24.5



#20

Methylene Chloride

Concen: 7.149 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.012 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Tgt Ion: 84 Resp: 20479

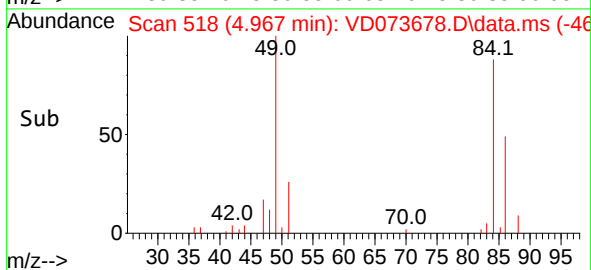
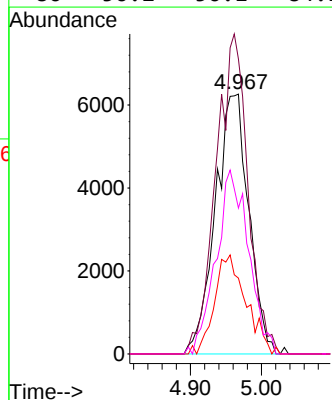
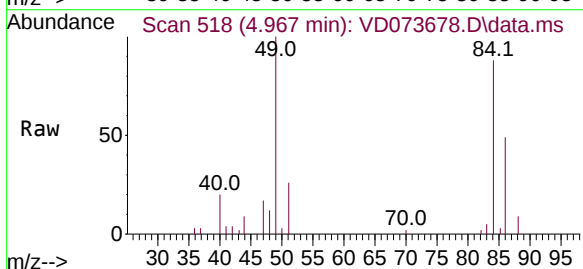
Ion Ratio Lower Upper

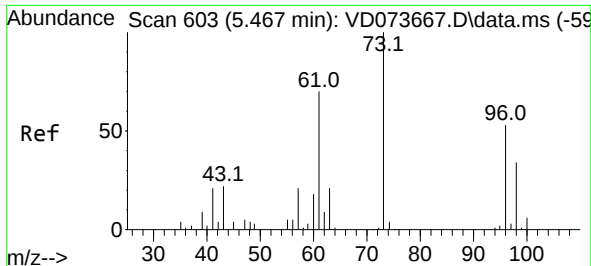
84 100

49 113.5 100.6 150.8

51 29.2 29.8 44.6#

86 56.2 56.1 84.1

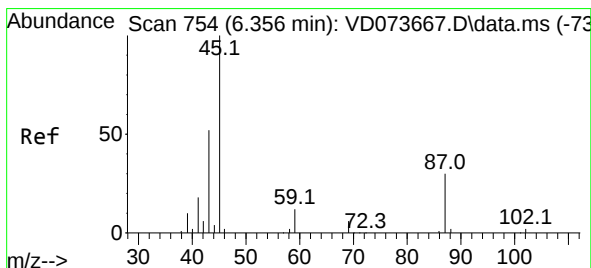
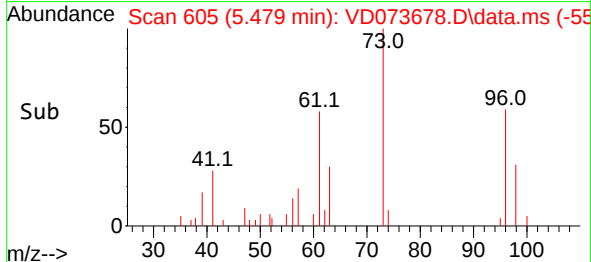
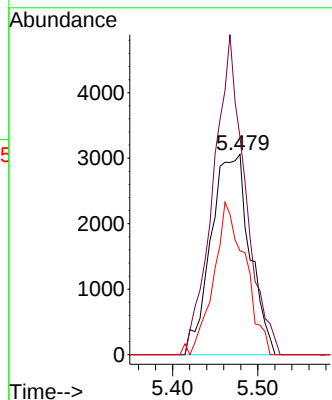
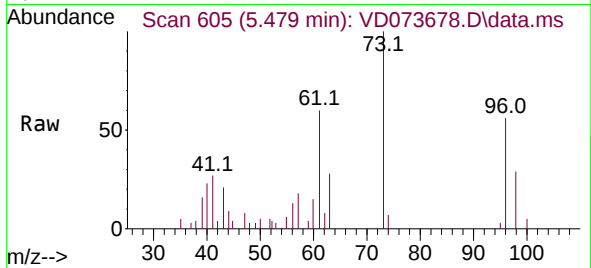




#21
trans-1,2-Dichloroethene
Concen: 4.360 ug/l
RT: 5.479 min Scan# 603
Delta R.T. 0.012 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

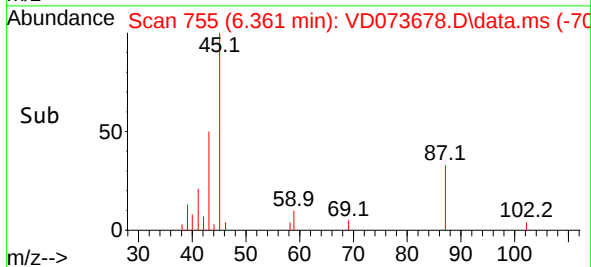
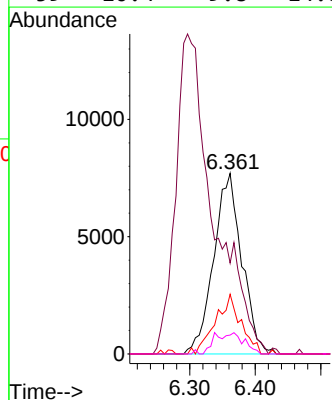
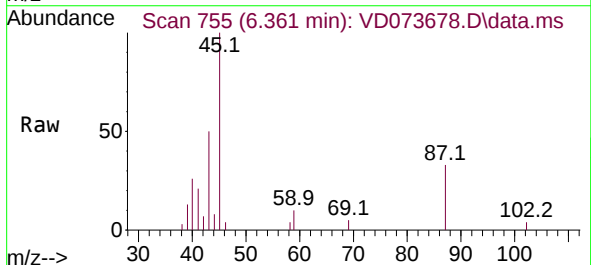
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

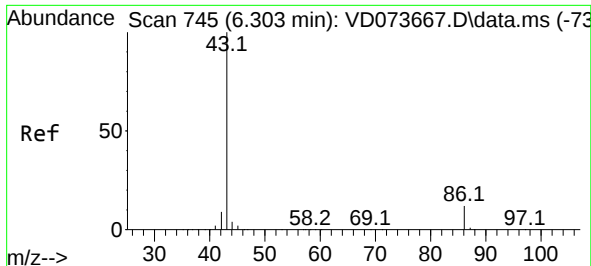
Tgt Ion: 96	Resp: 9678		
Ion	Ratio	Lower	Upper
96	100		
61	108.6	105.0	157.6
98	51.8	50.6	75.8



#22
Diisopropyl ether
Concen: 3.717 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 45	Resp: 22958
Ion Ratio	Lower Upper
45 100	
43 50.3	42.1 63.1
87 33.0	24.2 36.4
59 10.4	9.8 14.8

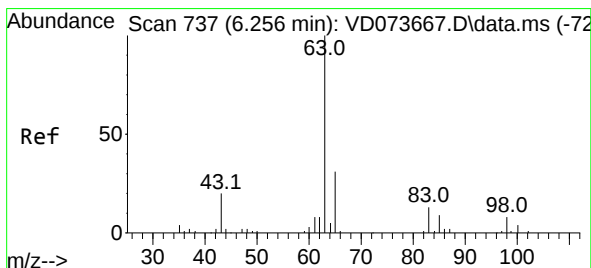
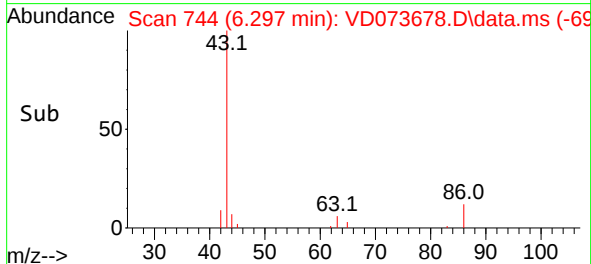
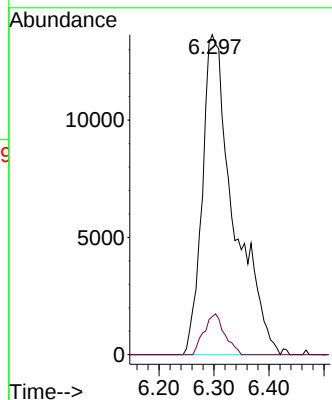
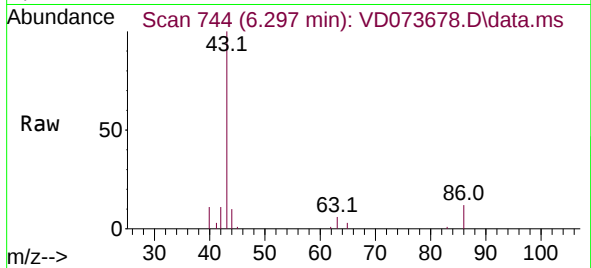




#23
 Vinyl Acetate
 Concen: 16.793 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

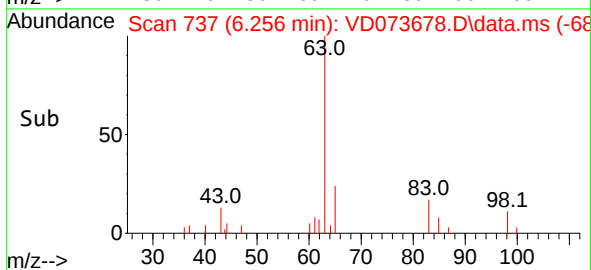
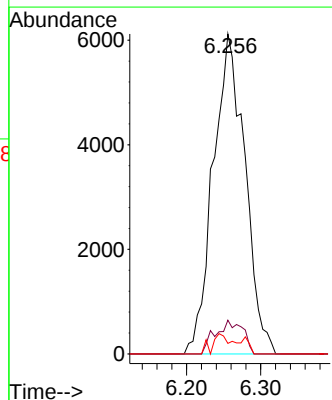
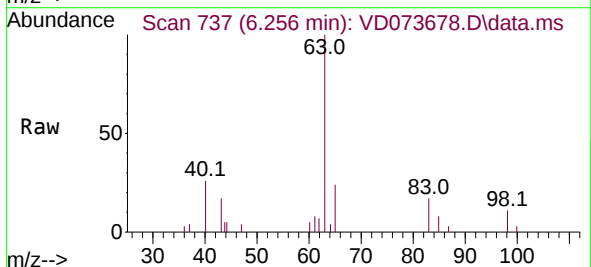
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

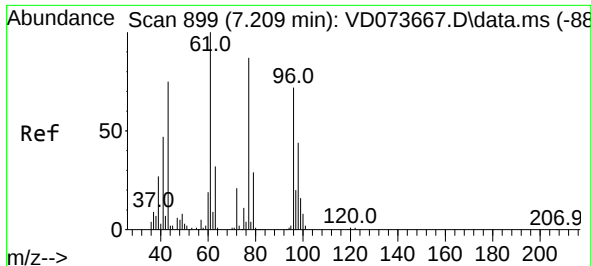
Tgt Ion: 43 Resp: 54379
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.7 14.5



#24
 1,1-Dichloroethane
 Concen: 4.432 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. -0.000 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

Tgt Ion: 63 Resp: 18233
 Ion Ratio Lower Upper
 63 100
 98 10.6 4.0 12.2
 100 3.3 2.1 6.5

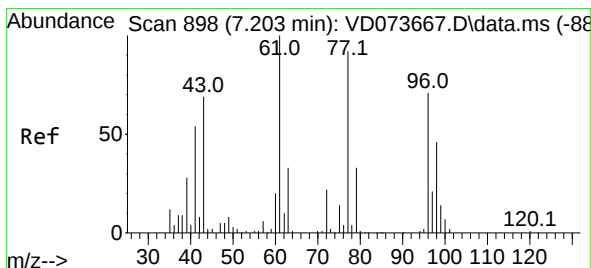
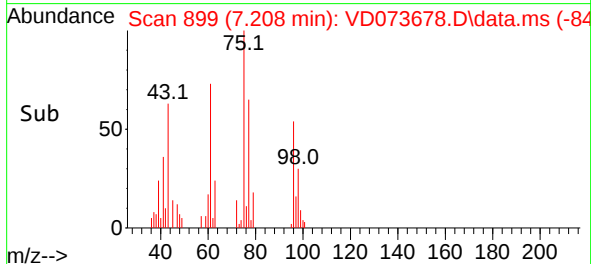
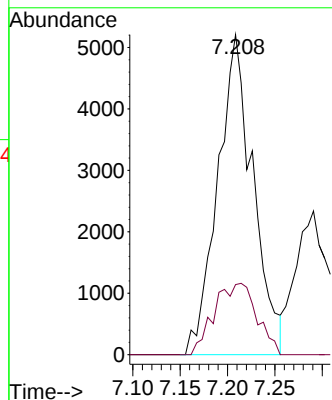
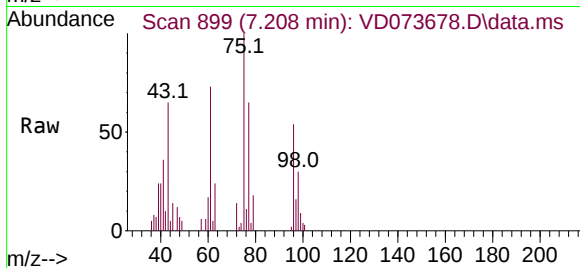




#25
2-Butanone
Concen: 24.089 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

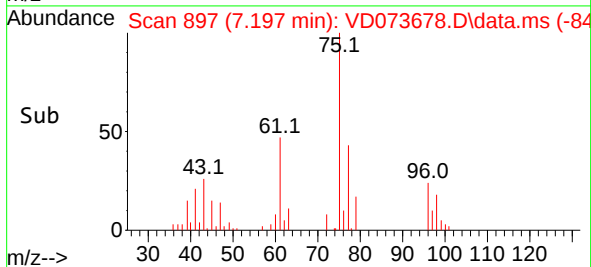
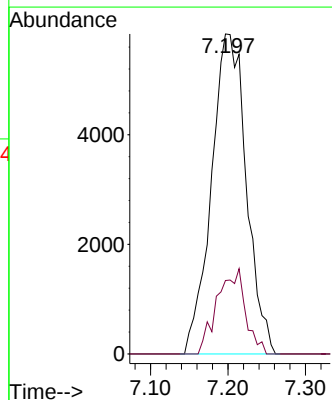
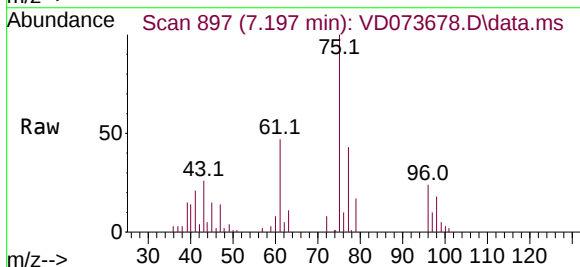
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

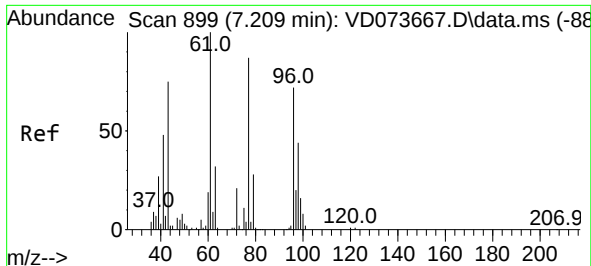
Tgt Ion: 43 Resp: 13539
Ion Ratio Lower Upper
43 100
72 21.9 22.6 33.8#



#26
2,2-Dichloropropane
Concen: 4.723 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 77 Resp: 18301
Ion Ratio Lower Upper
77 100
97 21.5 11.2 33.6

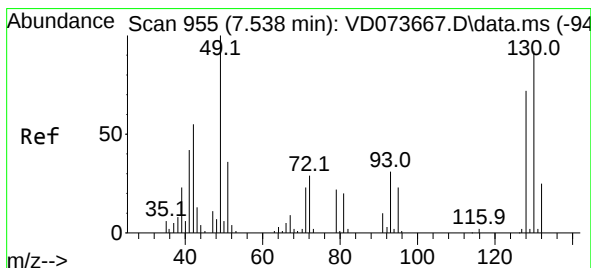
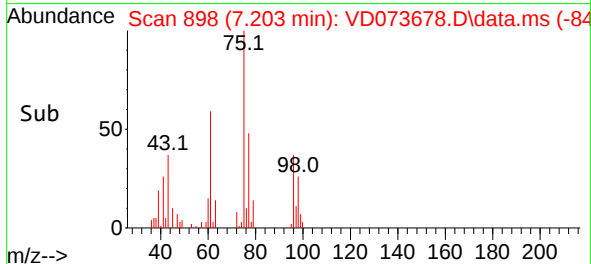
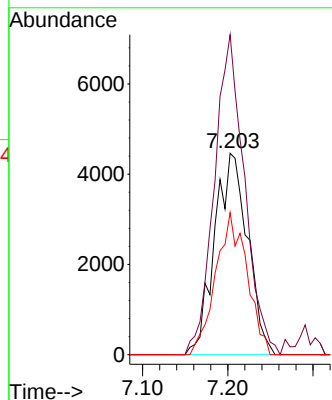
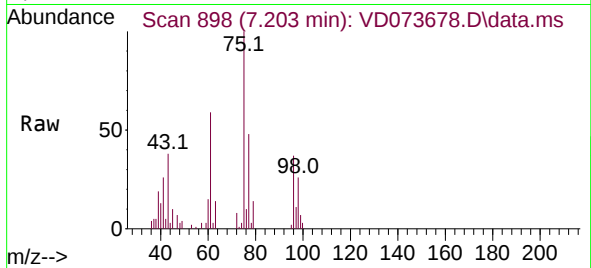




#27
 cis-1,2-Dichloroethene
 Concen: 4.613 ug/l
 RT: 7.203 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

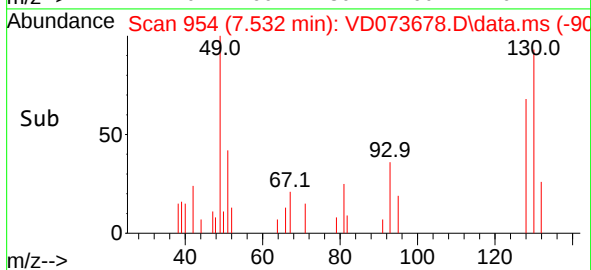
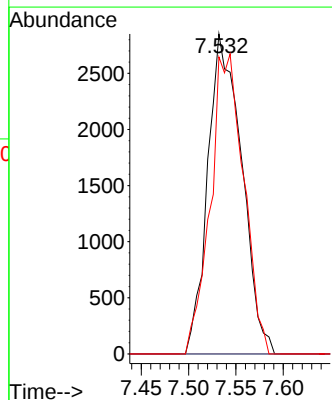
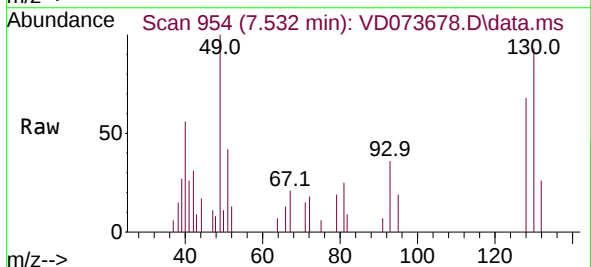
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

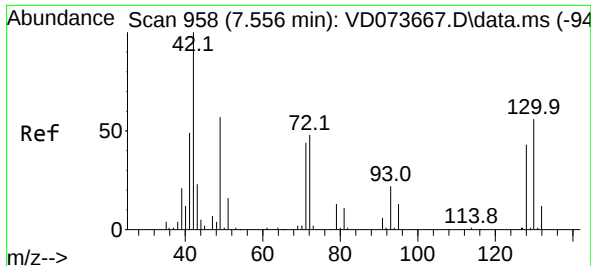
Tgt Ion: 96 Resp: 12043
 Ion Ratio Lower Upper
 96 100
 61 144.8 0.0 276.0
 98 66.5 0.0 128.0



#28
 Bromochloromethane
 Concen: 4.870 ug/l
 RT: 7.532 min Scan# 954
 Delta R.T. -0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

Tgt Ion: 49 Resp: 7070
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.0
 130 92.3 73.2 109.8





#29

Tetrahydrofuran

Concen: 23.665 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

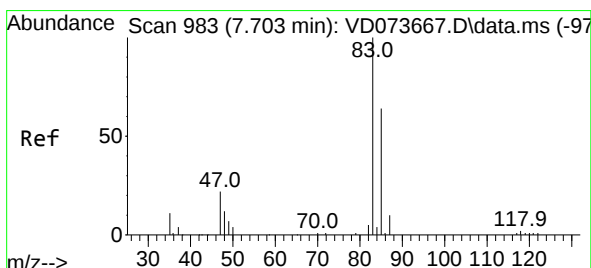
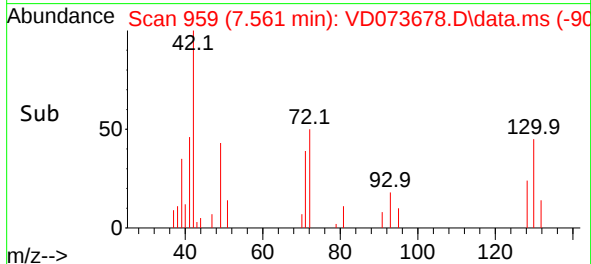
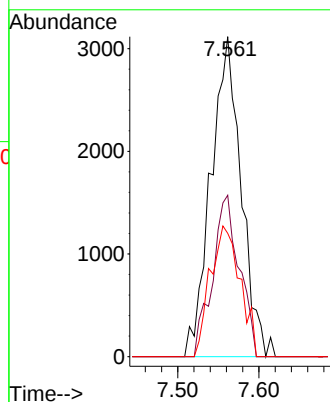
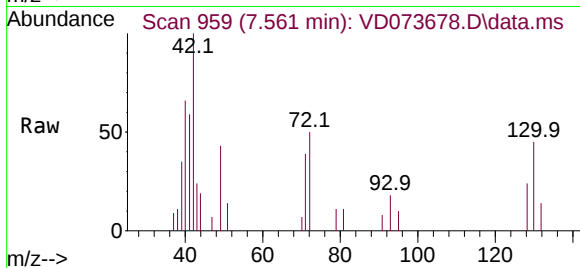
Tgt Ion: 42 Resp: 8086

Ion Ratio Lower Upper

42 100

72 44.6 37.8 56.6

71 40.1 35.5 53.3



#30

Chloroform

Concen: 4.677 ug/l

RT: 7.697 min Scan# 982

Delta R.T. -0.006 min

Lab File: VD073678.D

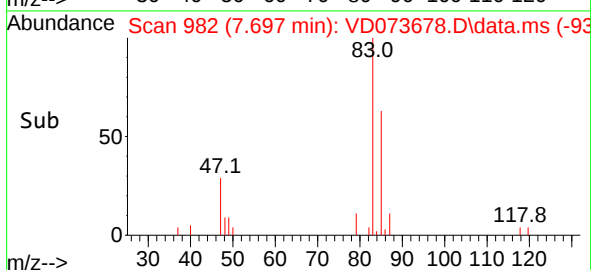
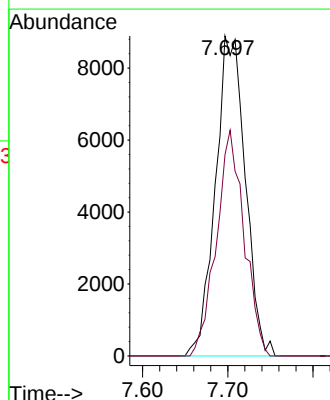
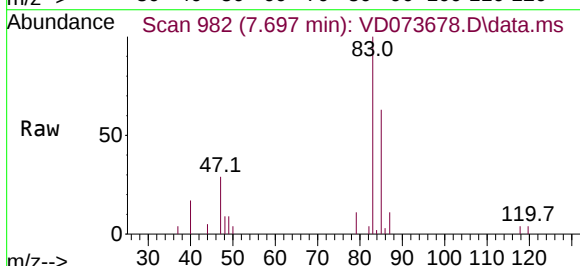
Acq: 23 Jun 2022 21:08

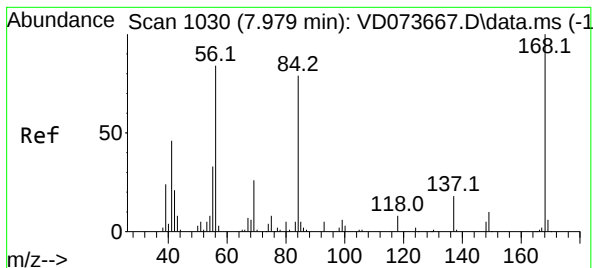
Tgt Ion: 83 Resp: 21654

Ion Ratio Lower Upper

83 100

85 62.9 51.1 76.7





#31

Cyclohexane

Concen: 4.754 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

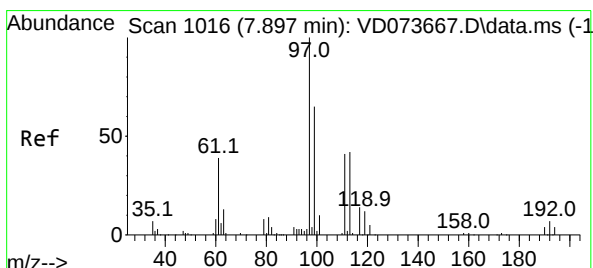
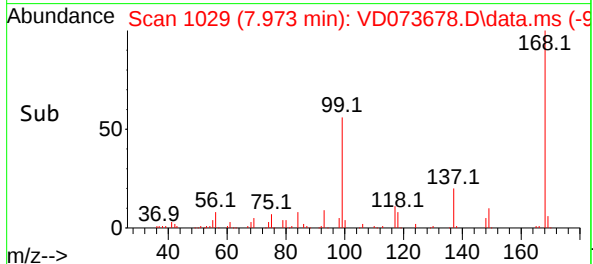
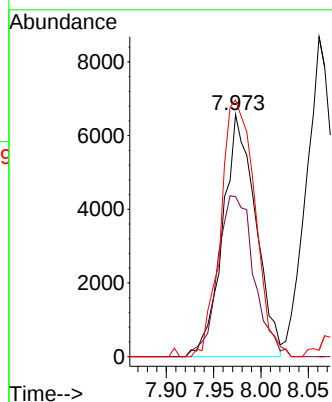
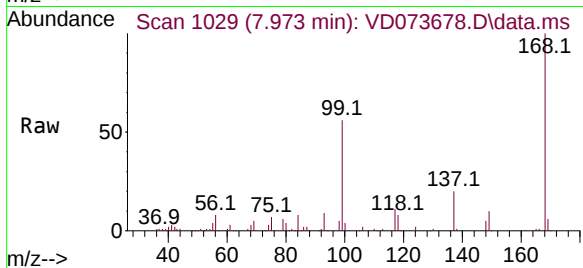
Tgt Ion: 56 Resp: 15907

Ion Ratio Lower Upper

56 100

69 66.1 25.2 37.8#

84 105.9 75.4 113.2



#32

1,1,1-Trichloroethane

Concen: 4.631 ug/l

RT: 7.891 min Scan# 1015

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

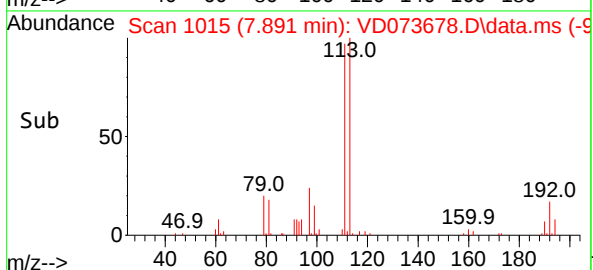
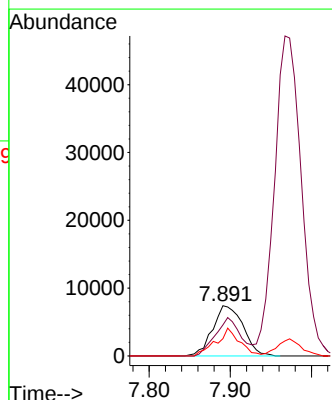
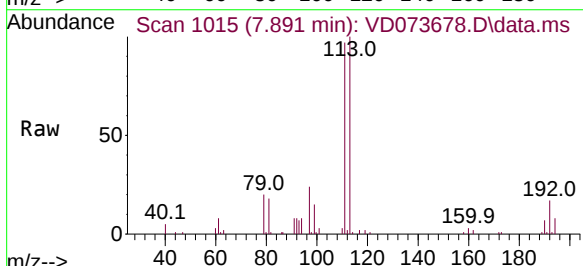
Tgt Ion: 97 Resp: 19258

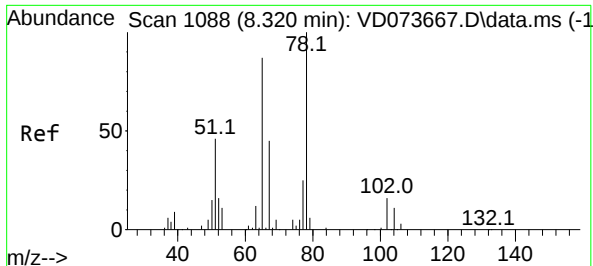
Ion Ratio Lower Upper

97 100

99 63.8 51.2 76.8

61 42.9 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 54.223 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

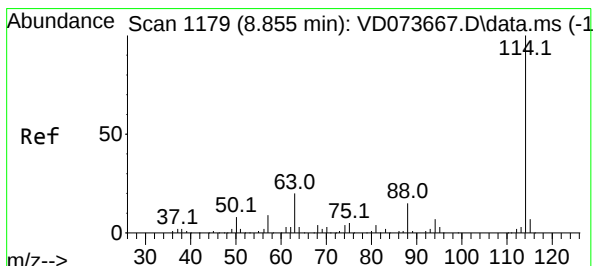
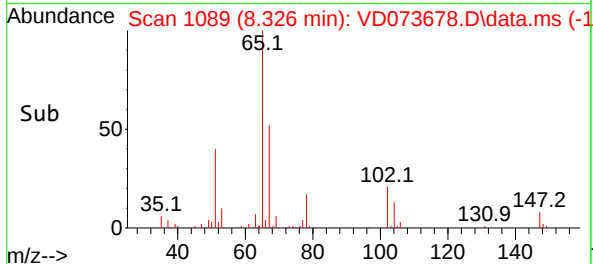
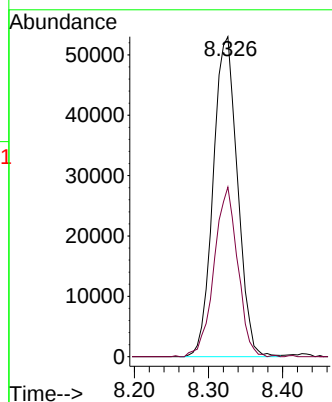
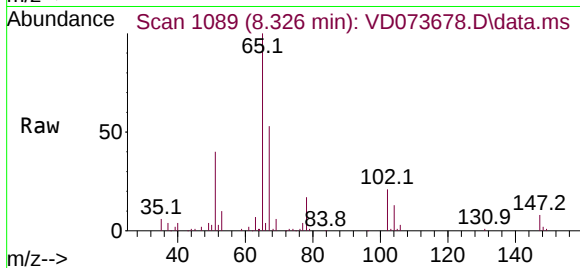
MDL-SOIL-03-QT2-2022

Tgt Ion: 65 Resp: 120931

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

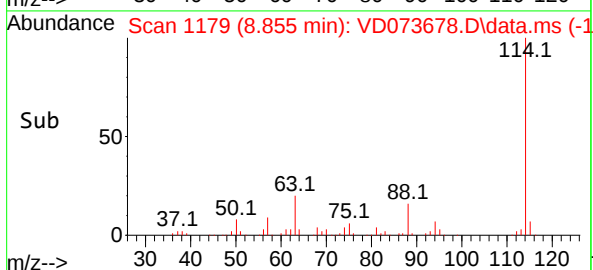
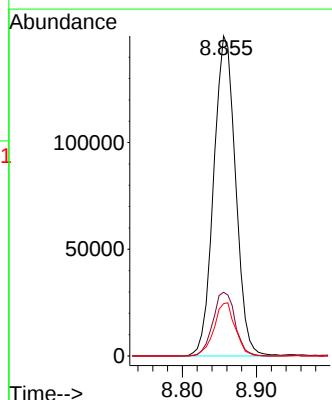
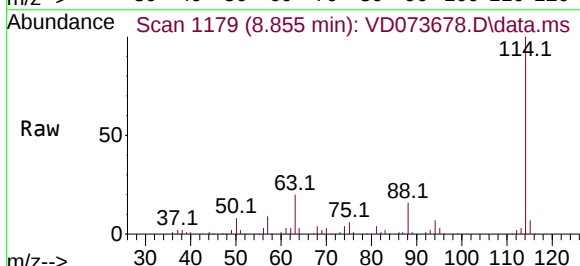
Tgt Ion: 114 Resp: 307627

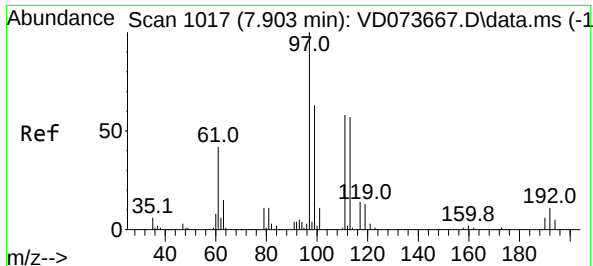
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 16.3 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.060 ug/l

RT: 7.908 min Scan# 1017

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

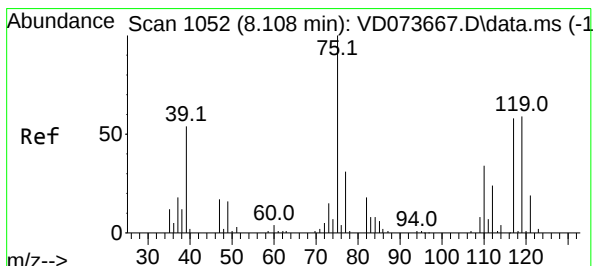
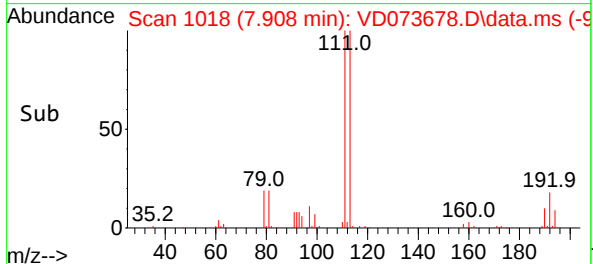
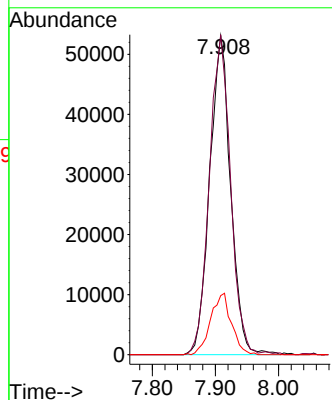
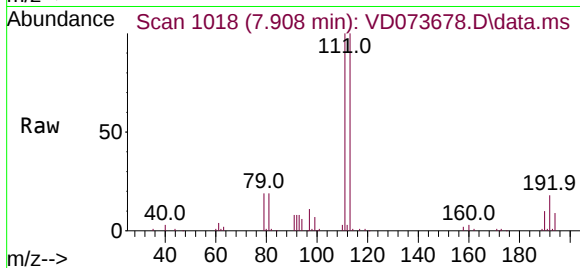
Tgt Ion:113 Resp: 122361

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.6

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.173 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

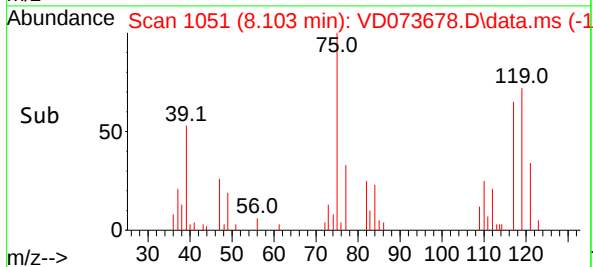
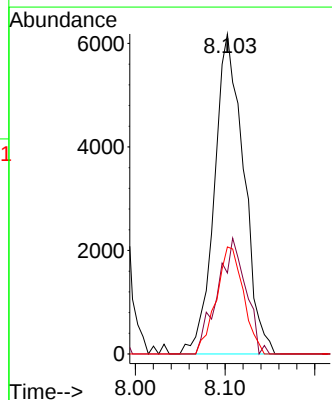
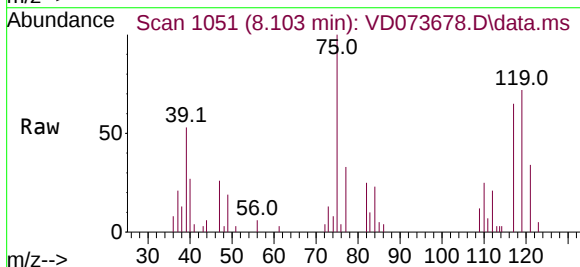
Tgt Ion: 75 Resp: 14038

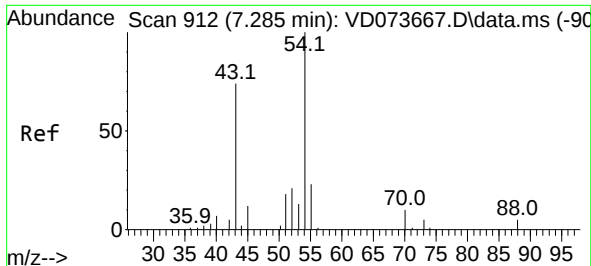
Ion Ratio Lower Upper

75 100

110 34.7 18.0 54.0

77 31.0 25.6 38.4





#37

Ethyl Acetate

Concen: 4.492 ug/l

RT: 7.291 min Scan# 912

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

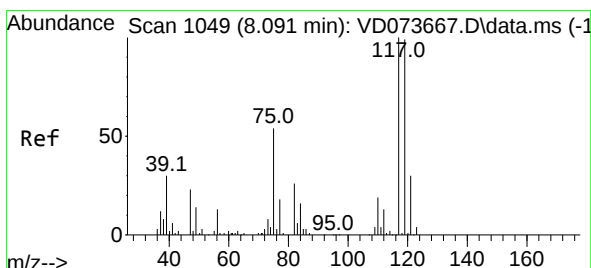
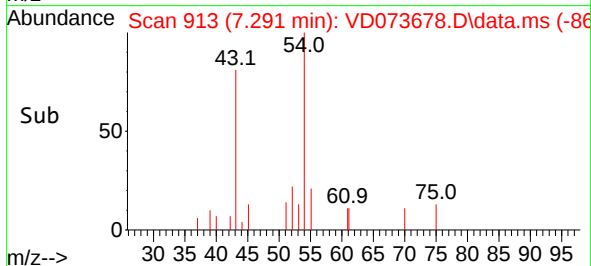
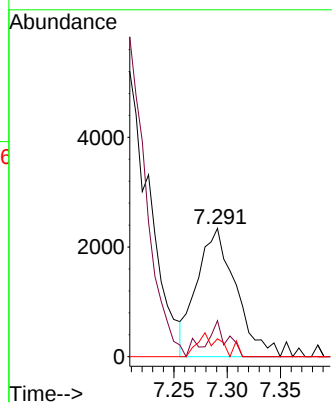
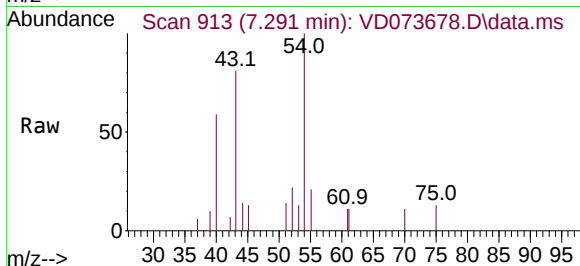
Tgt Ion: 43 Resp: 5931

Ion Ratio Lower Upper

43 100

61 15.3 10.6 16.0

70 9.8 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 4.481 ug/l

RT: 8.091 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

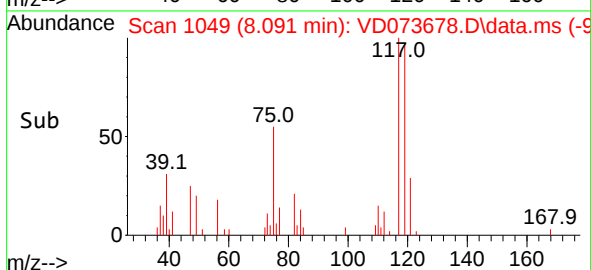
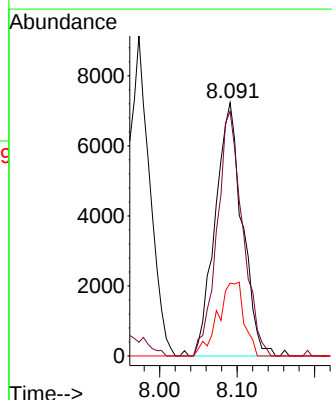
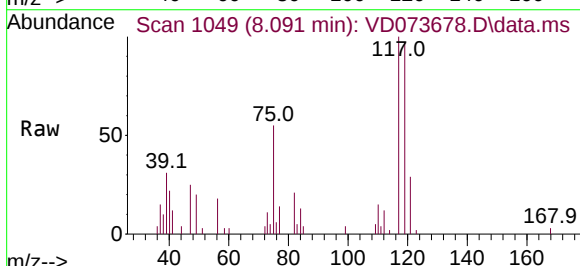
Tgt Ion: 117 Resp: 17552

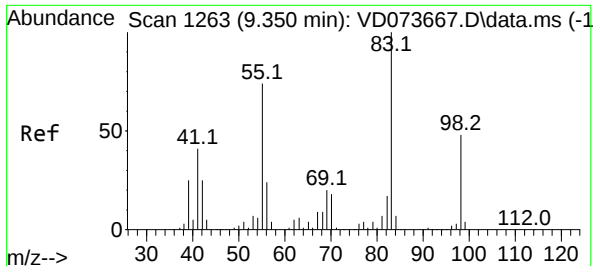
Ion Ratio Lower Upper

117 100

119 96.6 79.2 118.8

121 28.7 23.8 35.8





#39

Methylcyclohexane

Concen: 3.859 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

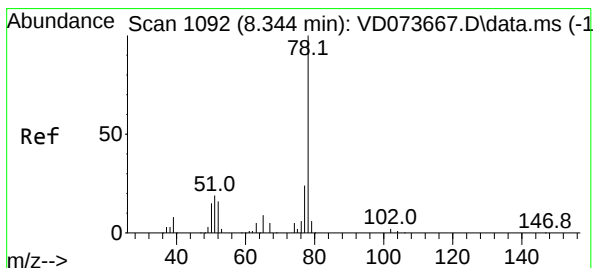
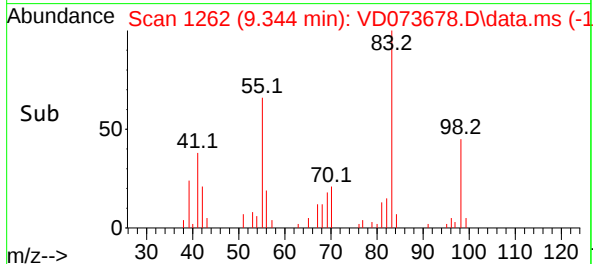
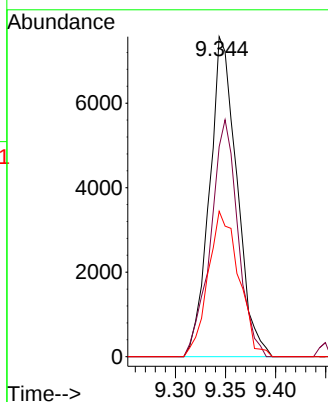
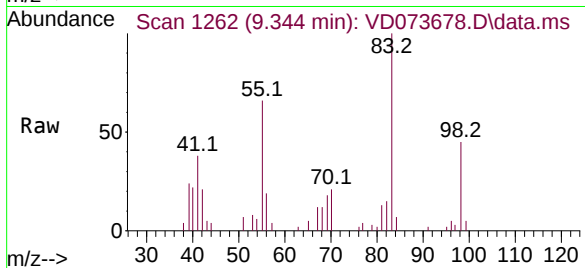
Tgt Ion: 83 Resp: 14414

Ion Ratio Lower Upper

83 100

55 65.6 59.0 88.4

98 45.4 38.3 57.5



#40

Benzene

Concen: 4.217 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073678.D

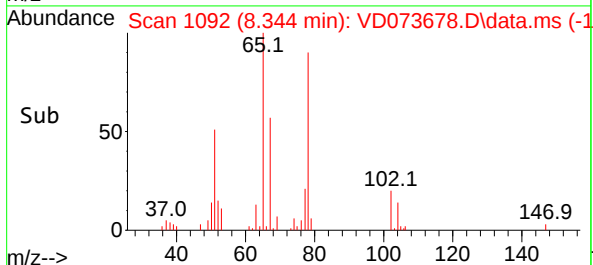
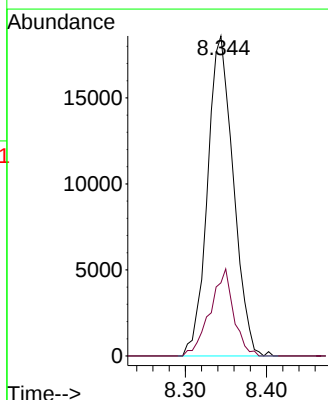
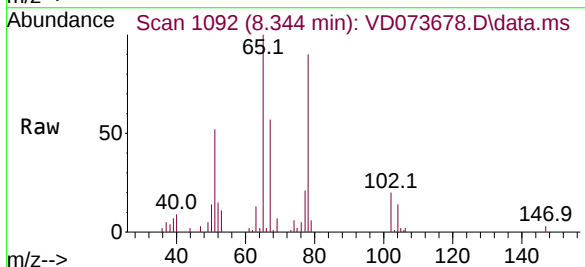
Acq: 23 Jun 2022 21:08

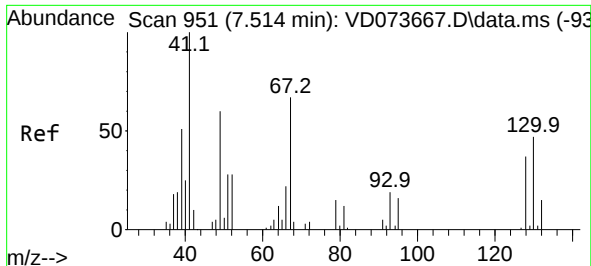
Tgt Ion: 78 Resp: 41064

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

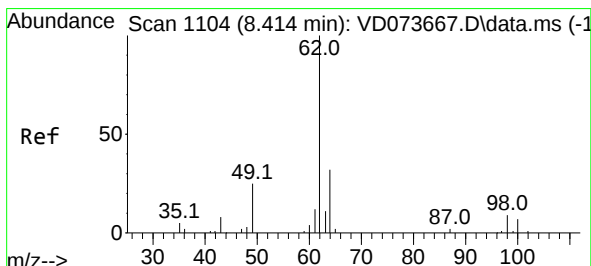
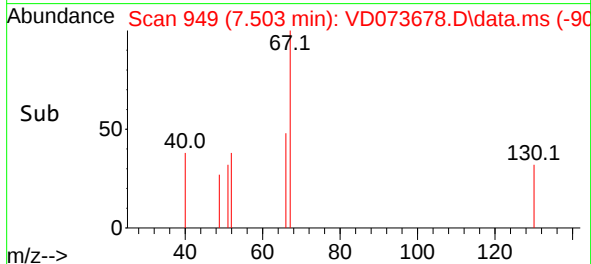
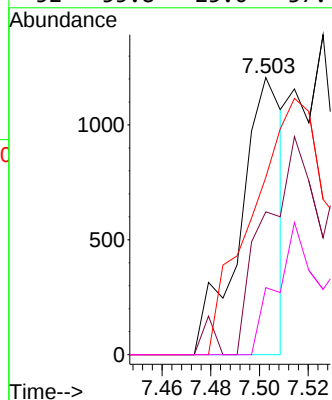
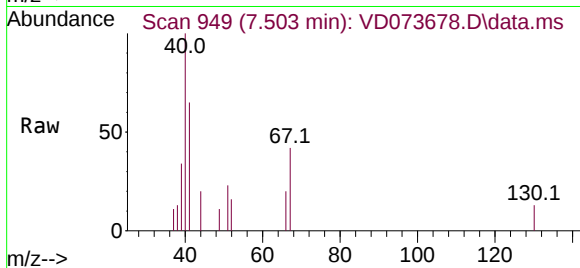




#41
Methacrylonitrile
Concen: 1.859 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.012 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

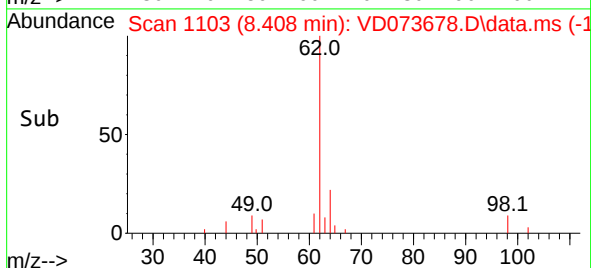
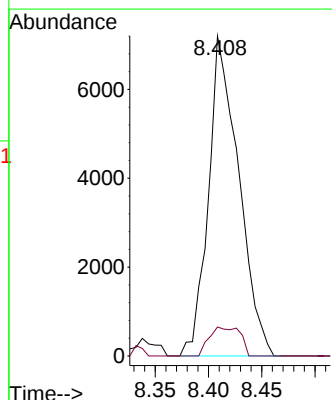
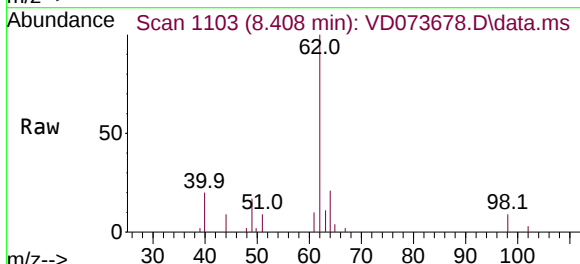
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

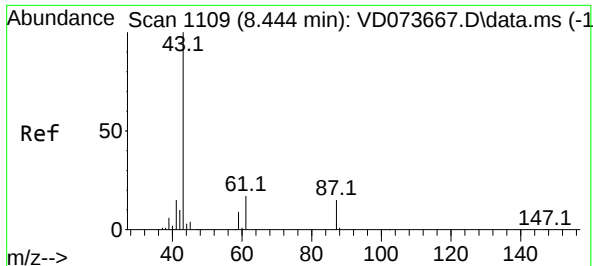
Tgt Ion: 41 Resp: 1482
Ion Ratio Lower Upper
41 100
39 97.5 42.1 63.1#
67 168.0 58.6 87.8#
52 55.8 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 4.855 ug/l
RT: 8.408 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 62 Resp: 14246
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 4.296 ug/l

RT: 8.438 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

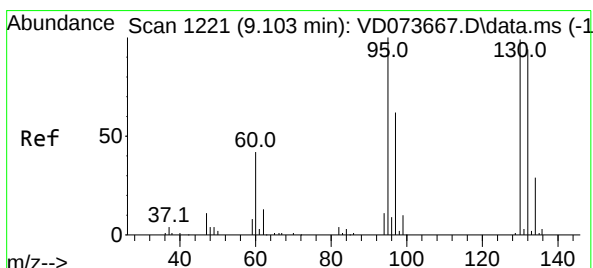
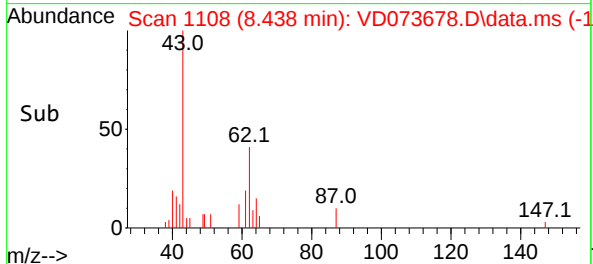
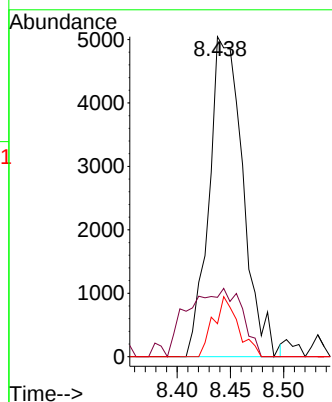
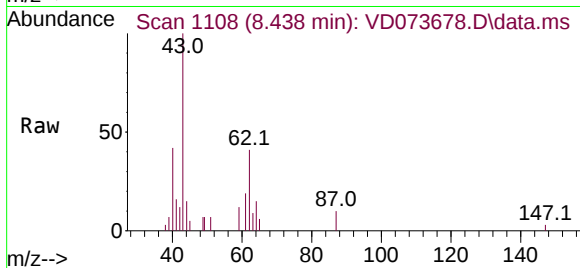
Tgt Ion: 43 Resp: 11129

Ion Ratio Lower Upper

43 100

61 35.1 25.4 38.0

87 13.8 11.9 17.9



#44

Trichloroethene

Concen: 4.301 ug/l

RT: 9.103 min Scan# 1221

Delta R.T. -0.000 min

Lab File: VD073678.D

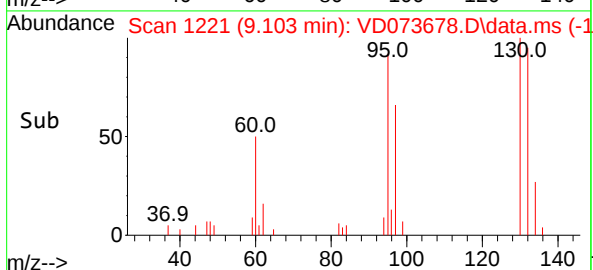
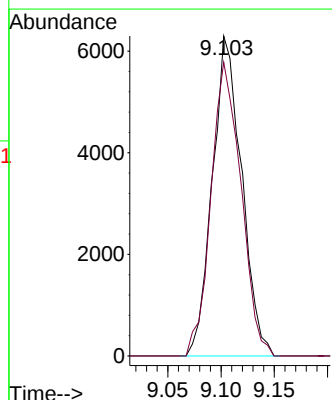
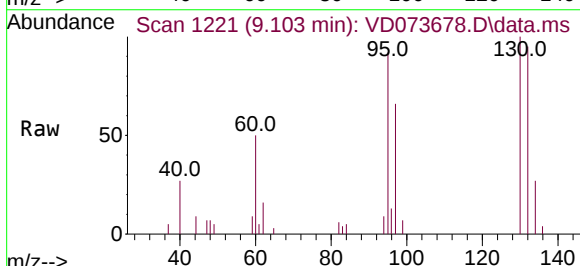
Acq: 23 Jun 2022 21:08

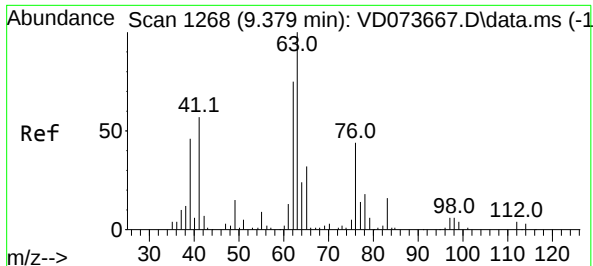
Tgt Ion: 130 Resp: 12031

Ion Ratio Lower Upper

130 100

95 91.8 0.0 202.8





#45

1,2-Dichloropropane

Concen: 4.214 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

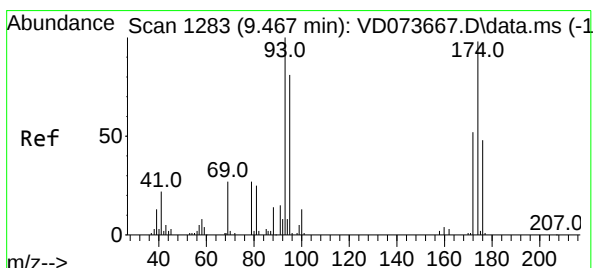
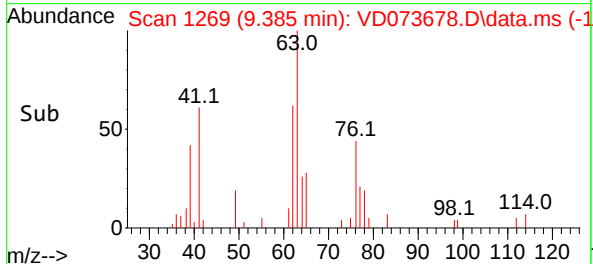
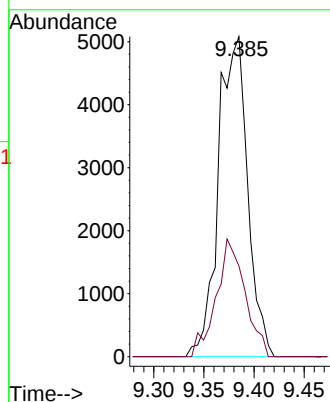
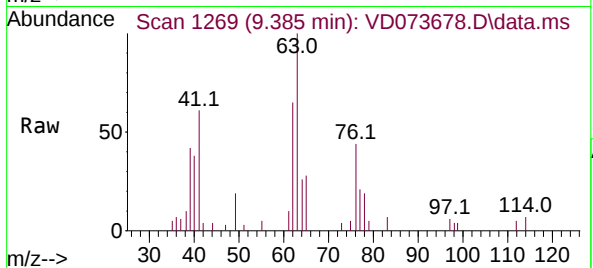
MDL-SOIL-03-QT2-2022

Tgt Ion: 63 Resp: 10287

Ion Ratio Lower Upper

63 100

65 28.3 25.5 38.3



#46

Dibromomethane

Concen: 4.282 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

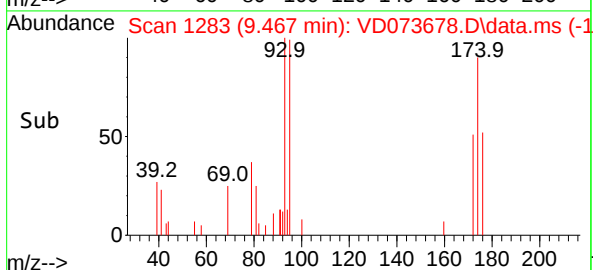
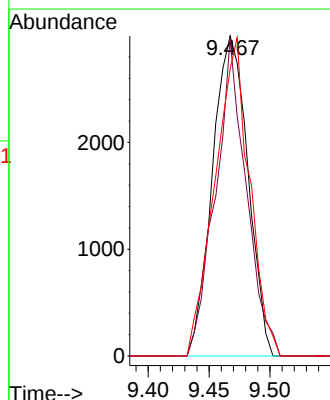
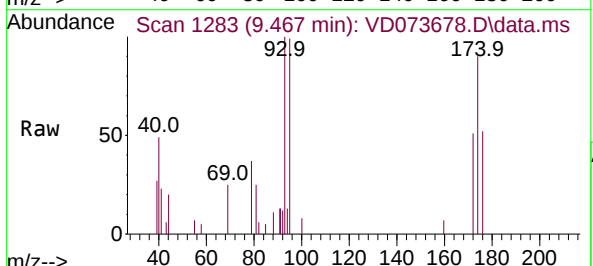
Tgt Ion: 93 Resp: 6069

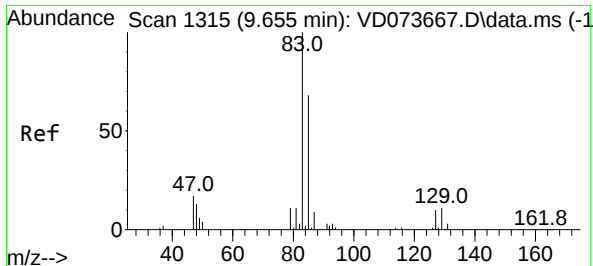
Ion Ratio Lower Upper

93 100

95 86.0 67.8 101.8

174 96.6 82.3 123.5





#47

Bromodichloromethane

Concen: 4.433 ug/l

RT: 9.655 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

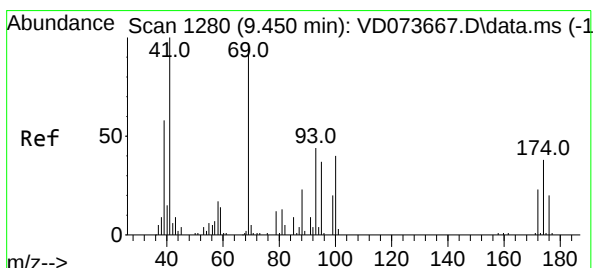
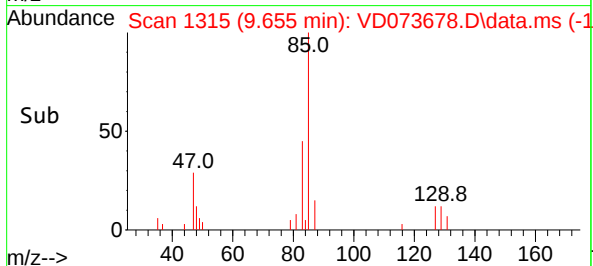
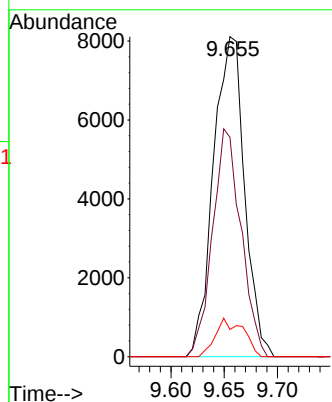
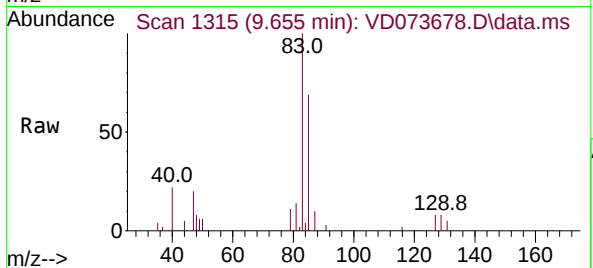
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 83	Resp: 16468
Ion Ratio	Lower Upper
83 100	
85 68.5	54.5 81.7
127 8.5	7.7 11.5



#48

Methyl methacrylate

Concen: 3.149 ug/l

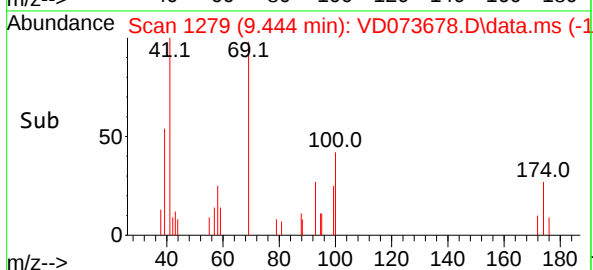
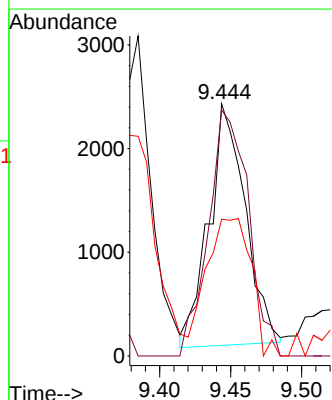
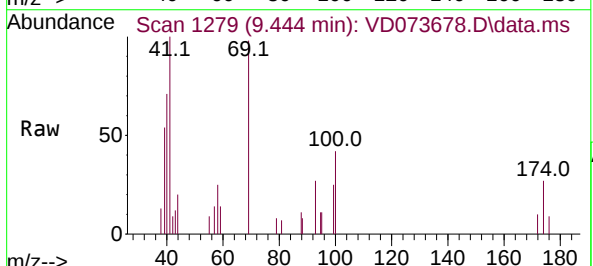
RT: 9.444 min Scan# 1279

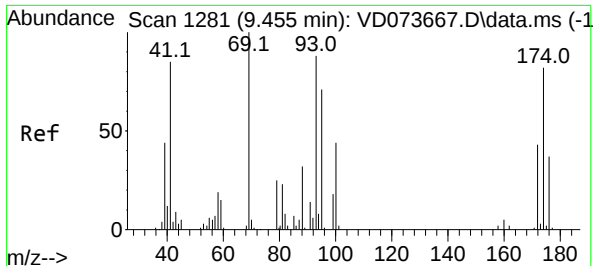
Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Tgt Ion: 41	Resp: 4141
Ion Ratio	Lower Upper
41 100	
69 112.0	69.6 104.4#
39 70.4	45.5 68.3#





#49

1,4-Dioxane

Concen: 64.266 ug/l

RT: 9.450 min Scan# 1281

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

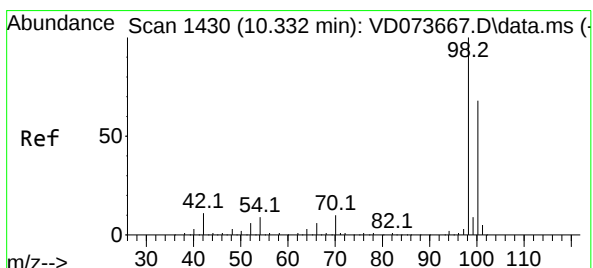
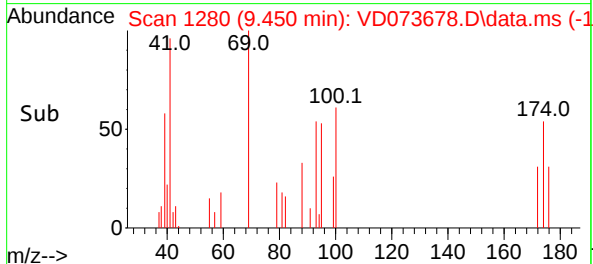
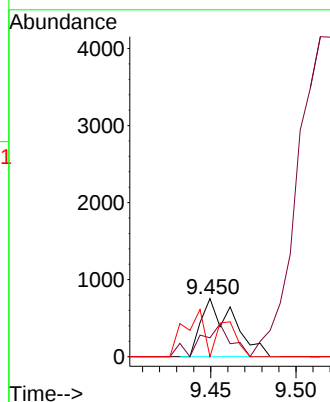
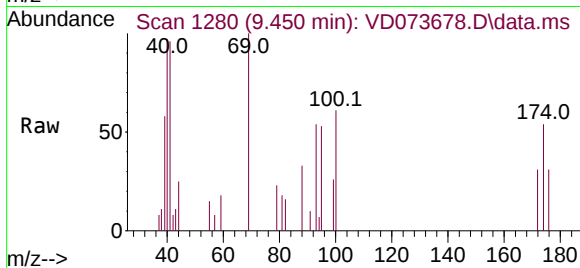
Tgt Ion: 88 Resp: 1017

Ion Ratio Lower Upper

88 100

43 51.2 24.5 36.7#

58 36.3 54.4 81.6#



#50

Toluene-d8

Concen: 47.318 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073678.D

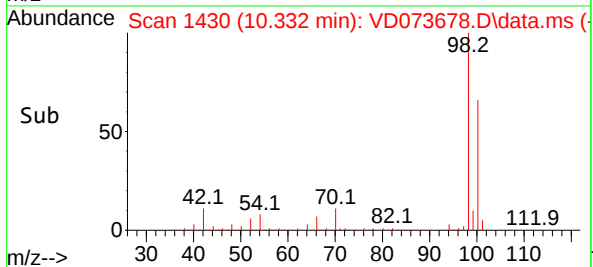
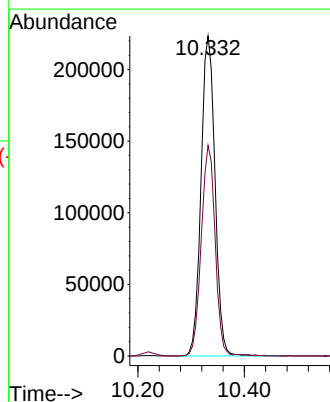
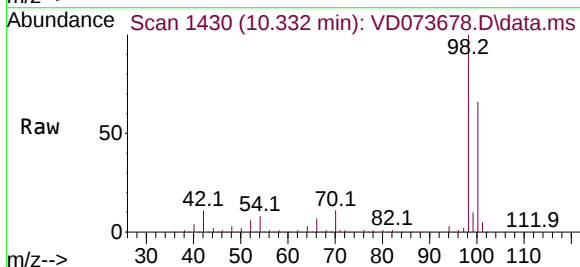
Acq: 23 Jun 2022 21:08

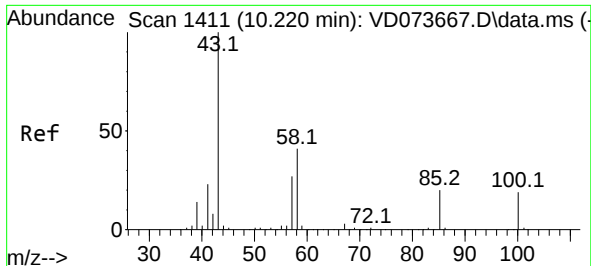
Tgt Ion: 98 Resp: 407140

Ion Ratio Lower Upper

98 100

100 65.4 54.0 81.0





#51

4-Methyl-2-Pentanone

Concen: 20.169 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

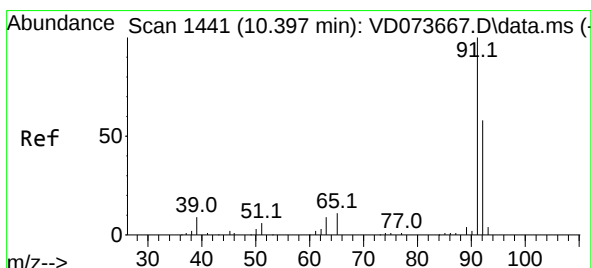
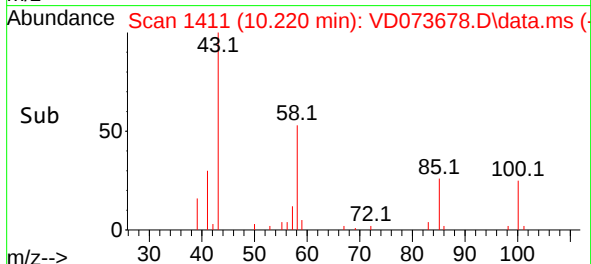
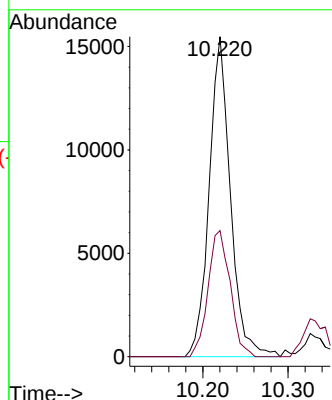
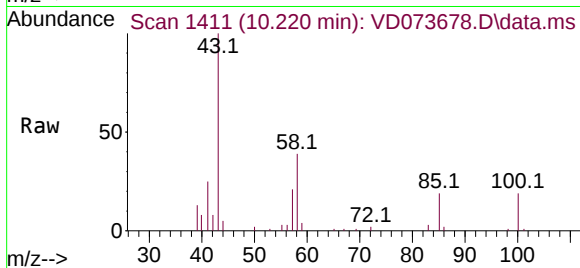
MDL-SOIL-03-QT2-2022

Tgt Ion: 43 Resp: 26852

Ion Ratio Lower Upper

43 100

58 41.0 32.3 48.5



#52

Toluene

Concen: 4.369 ug/l

RT: 10.397 min Scan# 1441

Delta R.T. -0.000 min

Lab File: VD073678.D

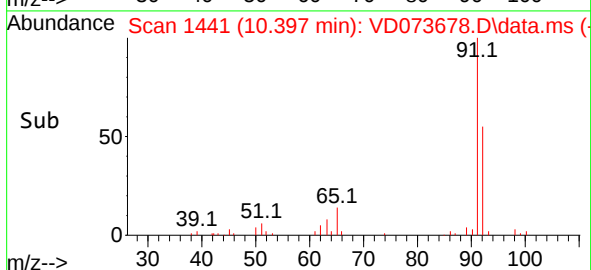
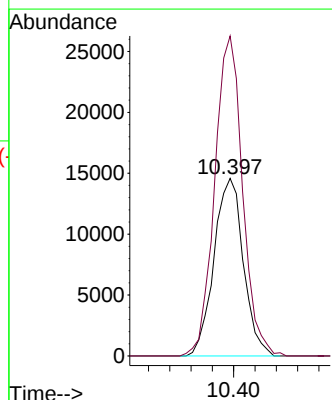
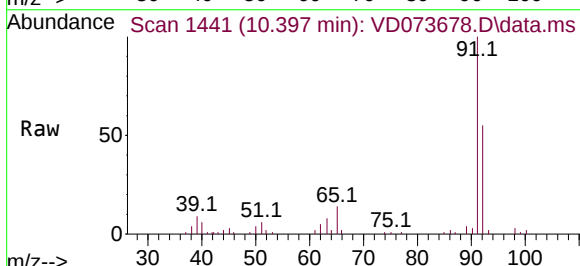
Acq: 23 Jun 2022 21:08

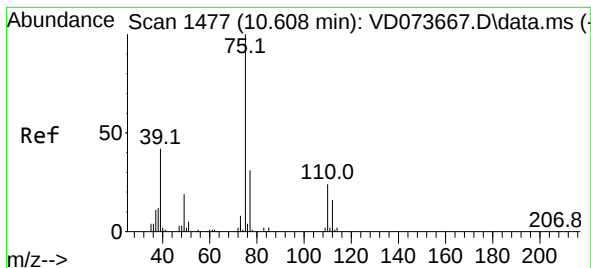
Tgt Ion: 92 Resp: 27875

Ion Ratio Lower Upper

92 100

91 171.1 136.1 204.1

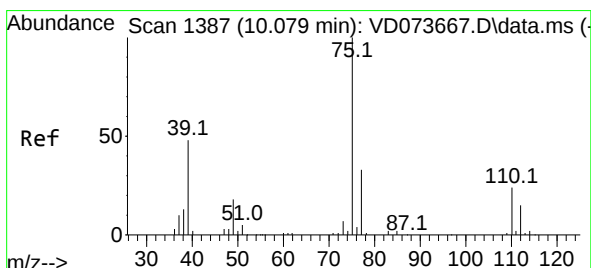
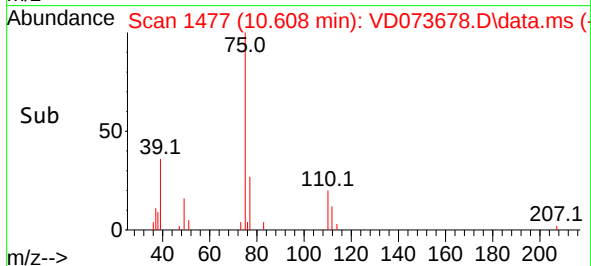
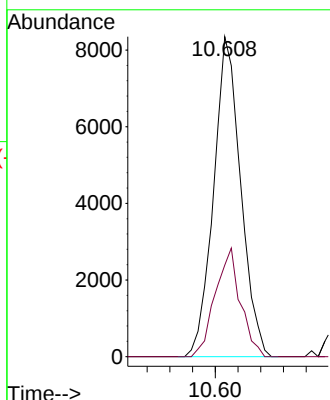
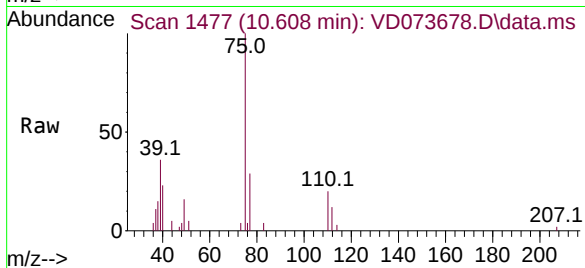




#53
t-1,3-Dichloropropene
Concen: 4.094 ug/l
RT: 10.608 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

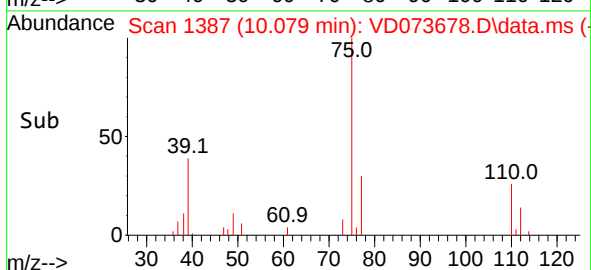
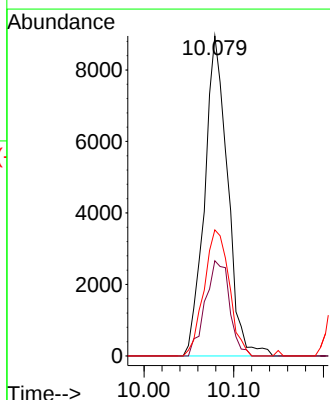
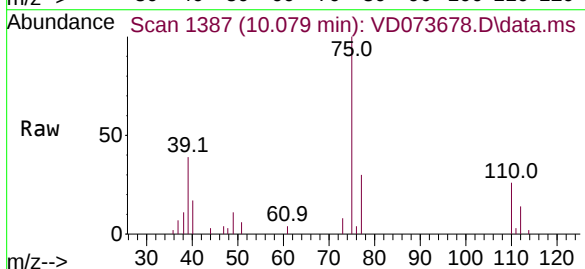
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2022

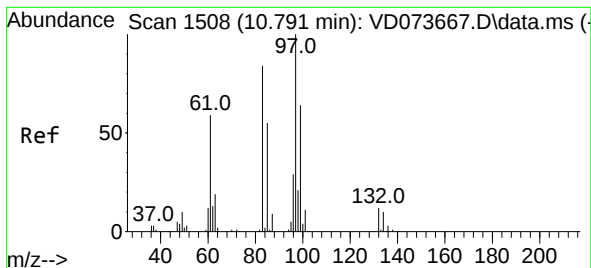
Tgt Ion: 75 Resp: 13835
Ion Ratio Lower Upper
75 100
77 28.6 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 4.145 ug/l
RT: 10.079 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 75 Resp: 15944
Ion Ratio Lower Upper
75 100
77 29.8 26.2 39.2
39 39.4 38.0 57.0

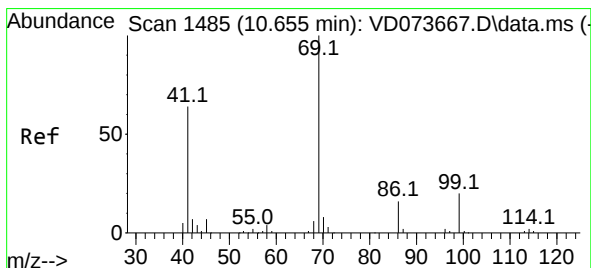
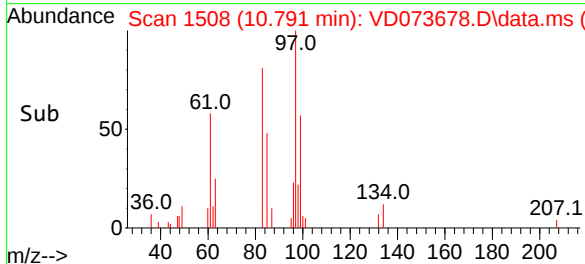
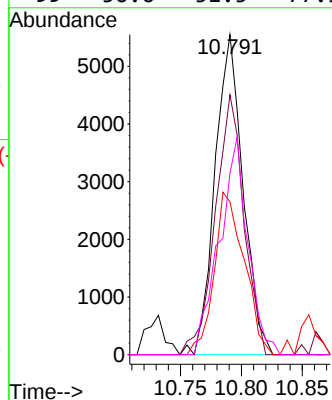
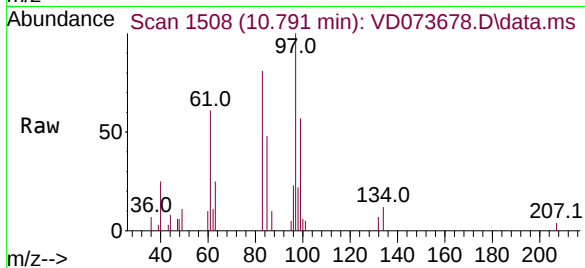




#55
1,1,2-Trichloroethane
Concen: 4.447 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

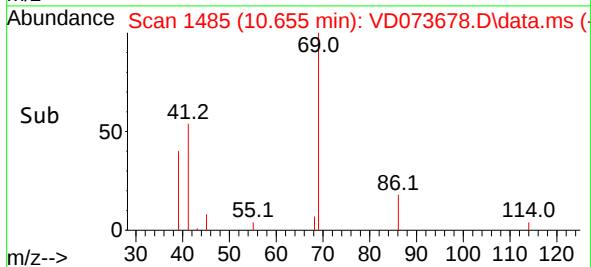
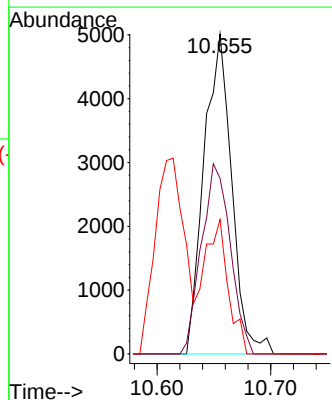
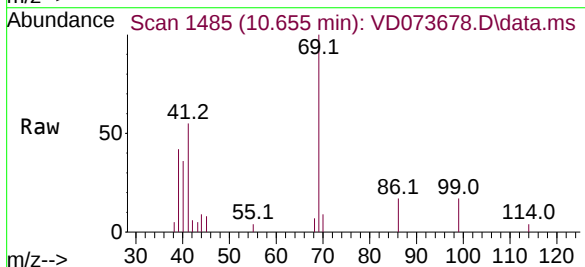
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2022

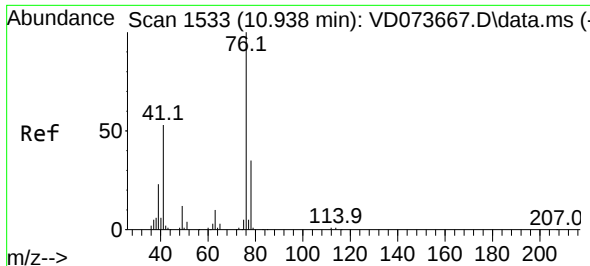
Tgt Ion: 97	Resp: 8885
Ion Ratio	Lower Upper
97 100	
83 81.2	67.1 100.7
85 47.7	44.0 66.0
99 56.6	51.5 77.3



#56
Ethyl methacrylate
Concen: 3.774 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 69	Resp: 8499
Ion Ratio	Lower Upper
69 100	
41 61.9	51.6 77.4
39 36.3	29.2 43.8





#57

1,3-Dichloropropane

Concen: 4.054 ug/l

RT: 10.932 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

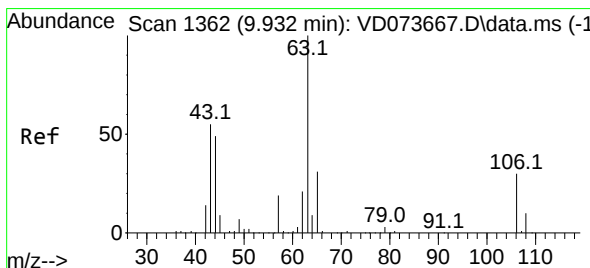
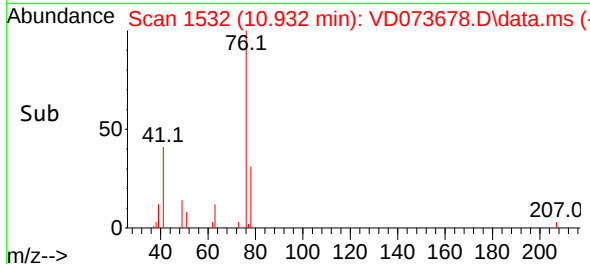
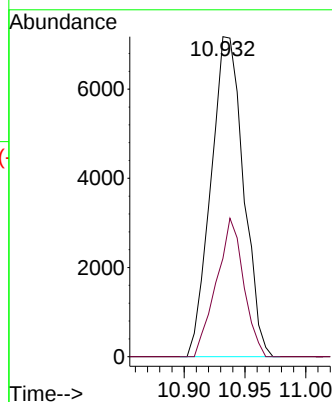
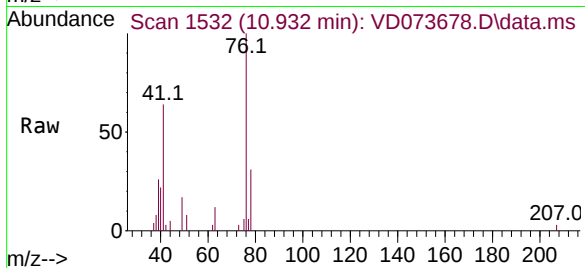
MDL-SOIL-03-QT2-2022

Tgt Ion: 76 Resp: 13356

Ion Ratio Lower Upper

76 100

78 36.1 27.1 40.7



#58

2-Chloroethyl Vinyl ether

Concen: 20.024 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VD073678.D

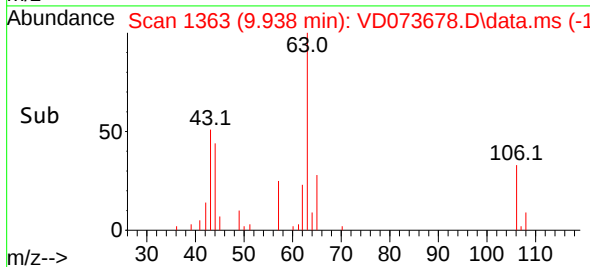
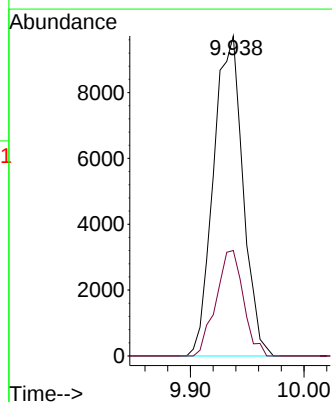
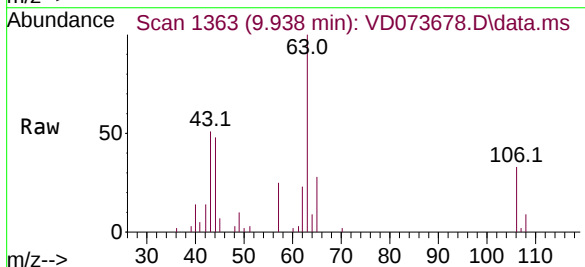
Acq: 23 Jun 2022 21:08

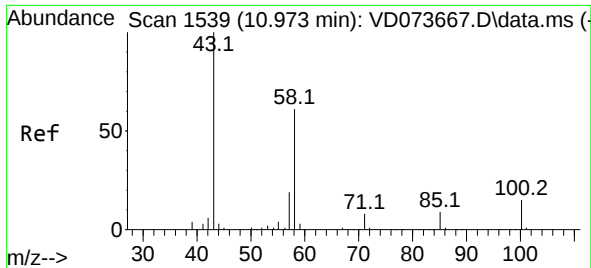
Tgt Ion: 63 Resp: 17498

Ion Ratio Lower Upper

63 100

106 30.7 25.2 37.8

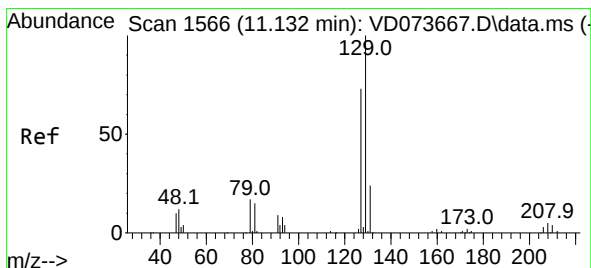
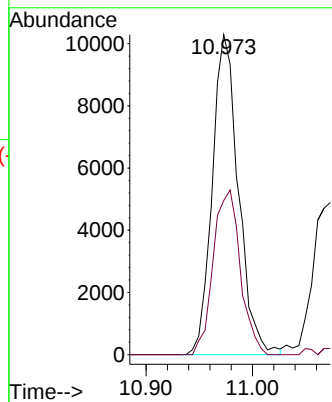
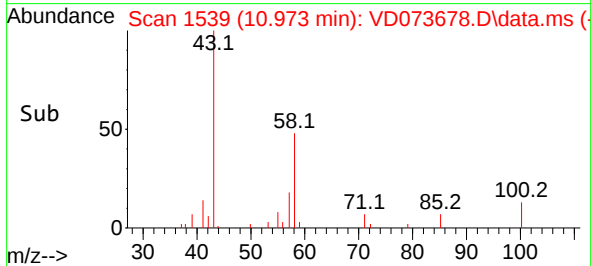
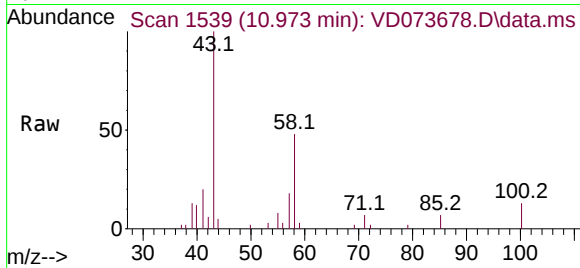




#59
2-Hexanone
Concen: 19.508 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

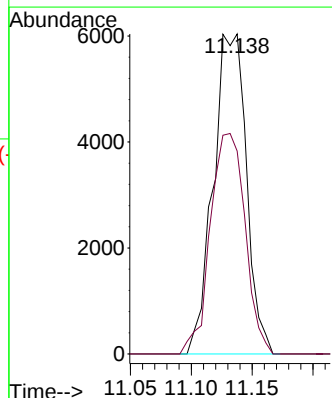
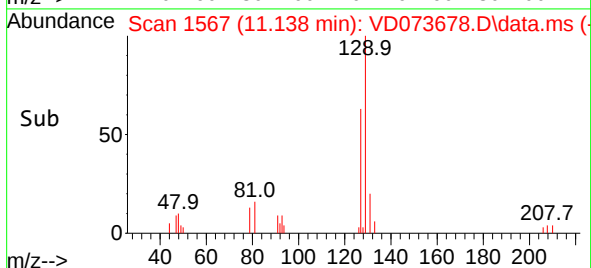
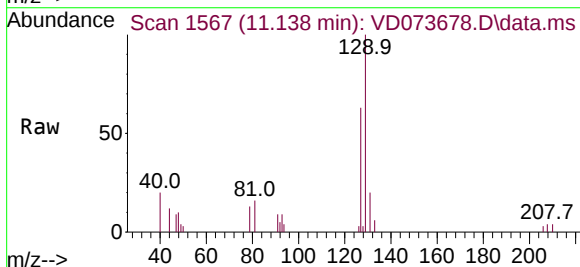
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

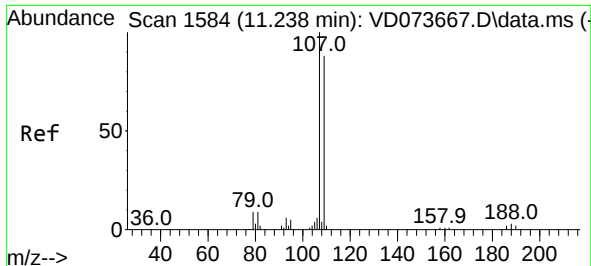
Tgt Ion: 43 Resp: 17534
Ion Ratio Lower Upper
43 100
58 53.2 28.8 86.4



#60
Dibromochloromethane
Concen: 4.342 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:129 Resp: 11433
Ion Ratio Lower Upper
129 100
127 72.1 36.8 110.4

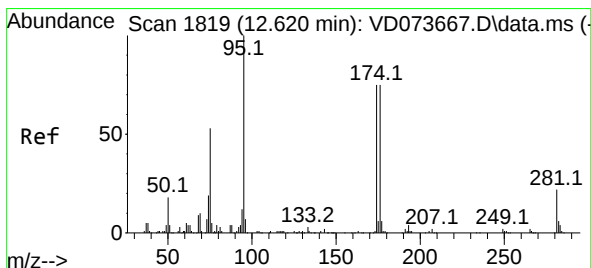
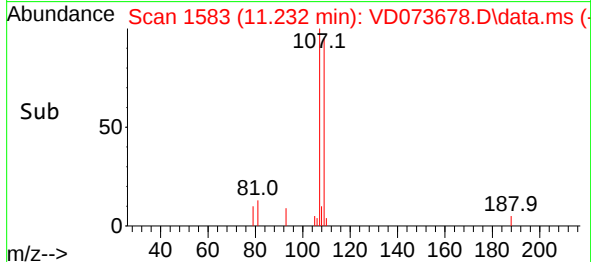
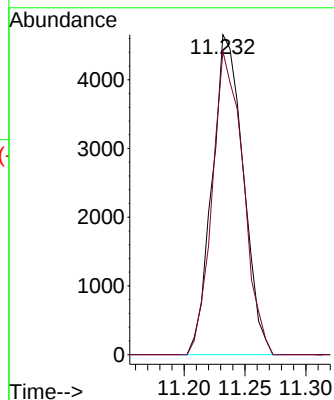
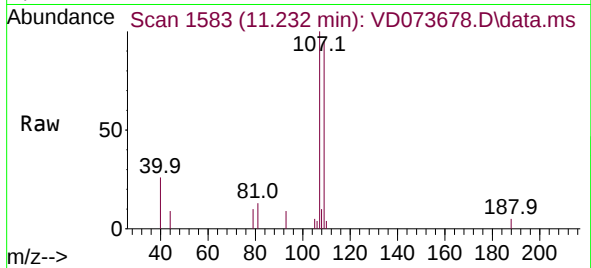




#61
1,2-Dibromoethane
Concen: 4.372 ug/l
RT: 11.232 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

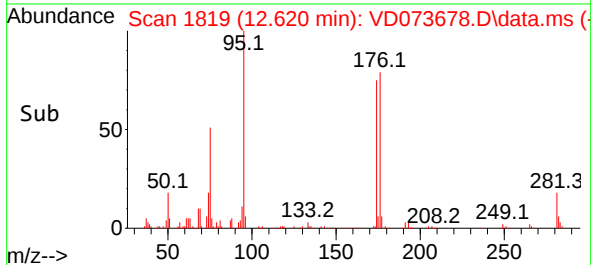
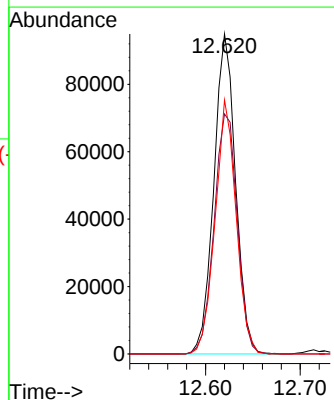
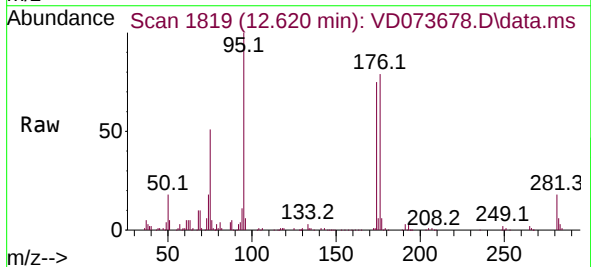
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

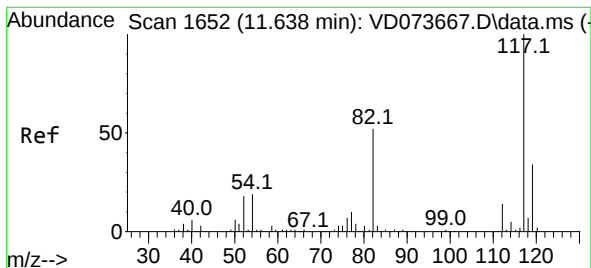
Tgt Ion:107 Resp: 8268
Ion Ratio Lower Upper
107 100
109 94.4 73.8 110.8



#62
4-Bromofluorobenzene
Concen: 46.814 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 95 Resp: 151079
Ion Ratio Lower Upper
95 100
174 80.3 0.0 158.4
176 76.9 0.0 154.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

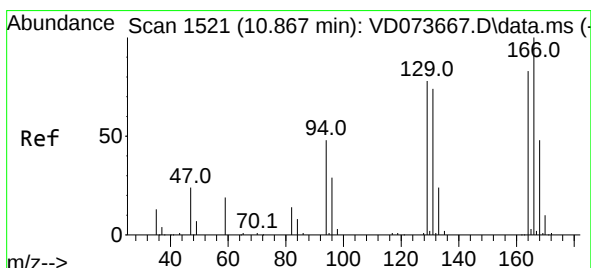
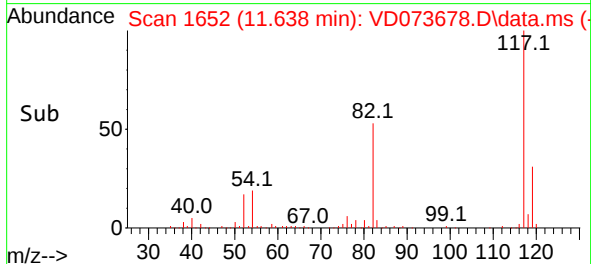
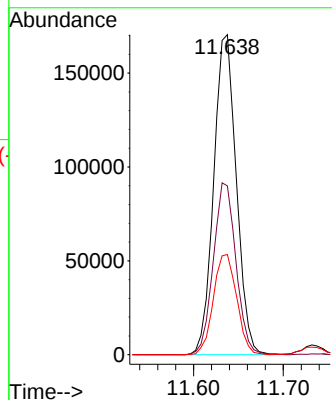
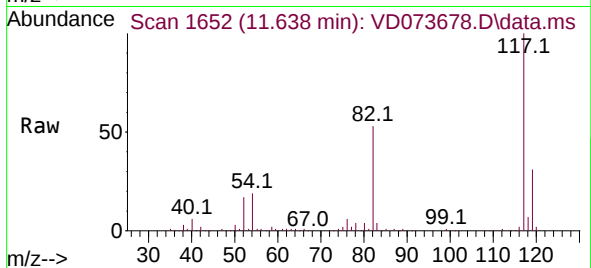
Tgt Ion:117 Resp: 298186

Ion Ratio Lower Upper

117 100

82 52.8 41.5 62.3

119 31.3 27.1 40.7



#64

Tetrachloroethene

Concen: 4.563 ug/l

RT: 10.873 min Scan# 1522

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Tgt Ion:164 Resp: 10774

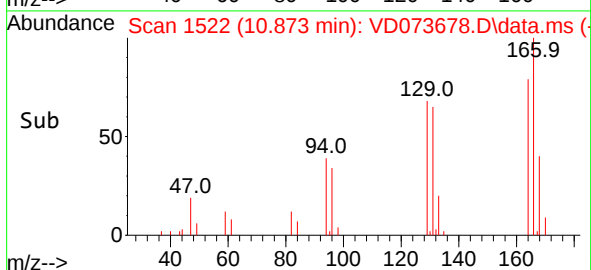
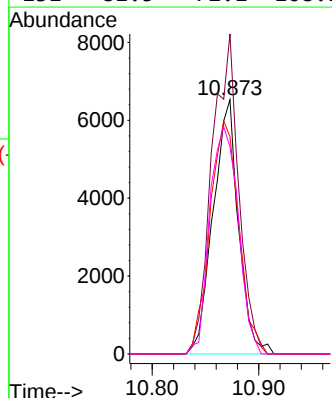
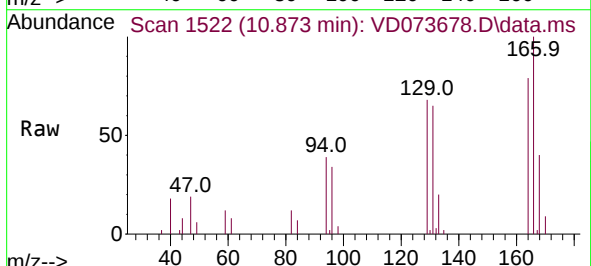
Ion Ratio Lower Upper

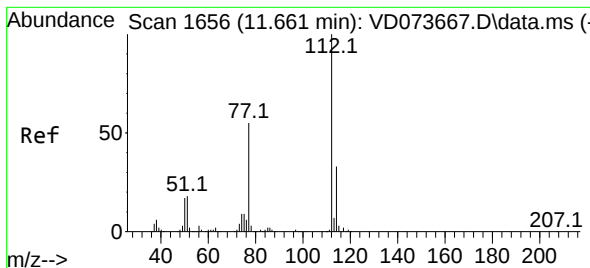
164 100

166 125.8 97.0 145.4

129 85.4 75.2 112.8

131 81.5 72.1 108.1





#65

Chlorobenzene

Concen: 4.172 ug/l

RT: 11.661 min Scan# 1656

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

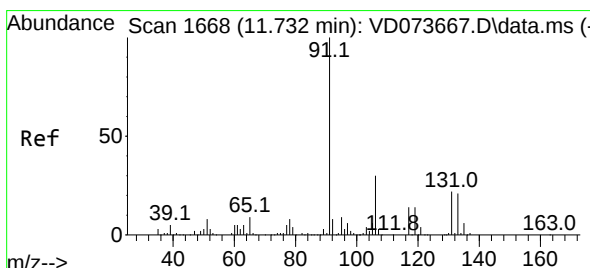
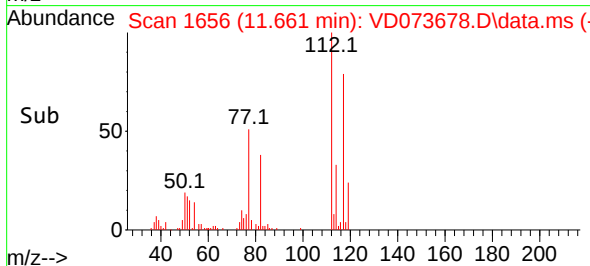
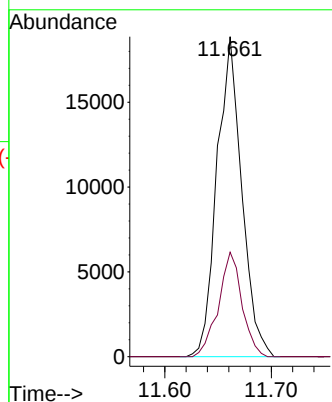
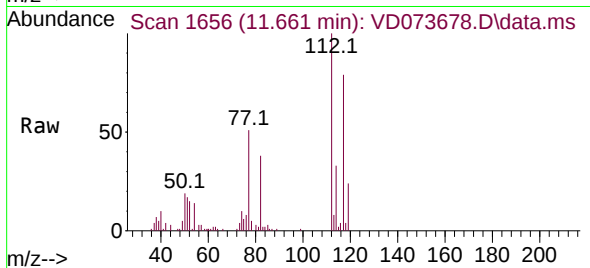
MDL-SOIL-03-QT2-2022

Tgt Ion:112 Resp: 30449

Ion Ratio Lower Upper

112 100

114 32.6 26.6 39.8



#66

1,1,1,2-Tetrachloroethane

Concen: 4.298 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

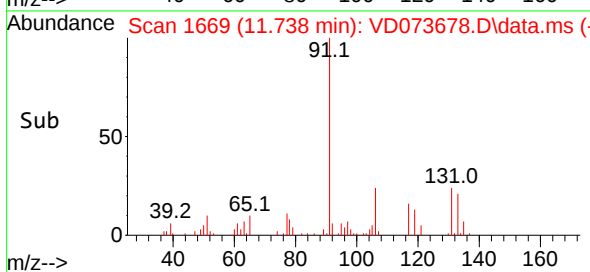
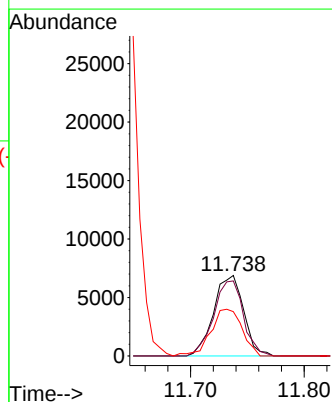
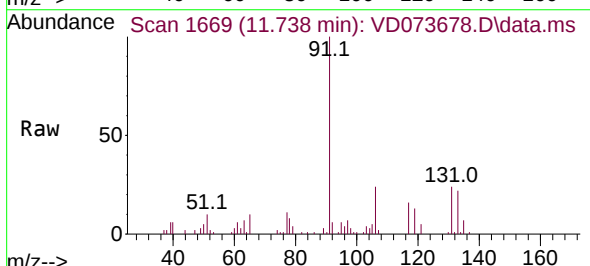
Tgt Ion:131 Resp: 12604

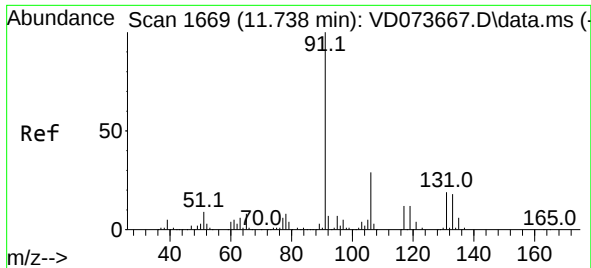
Ion Ratio Lower Upper

131 100

133 93.0 47.1 141.4

119 60.6 31.4 94.3

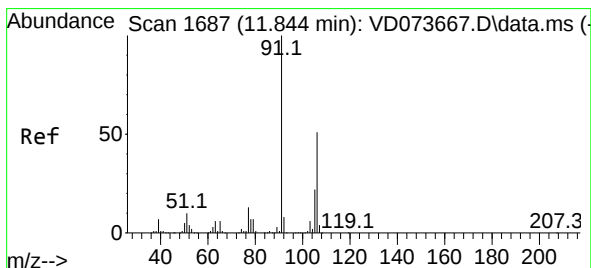
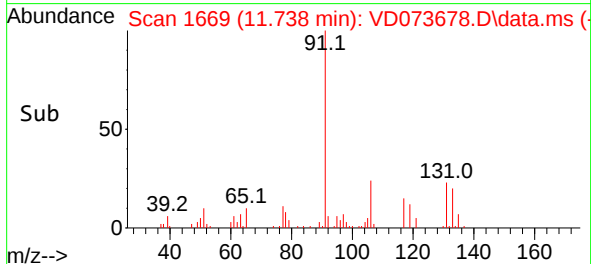
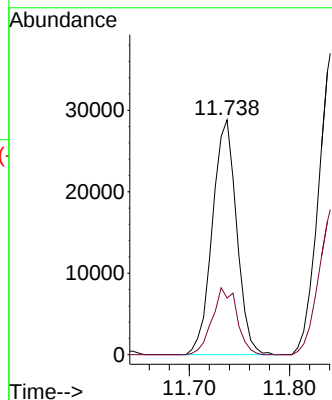
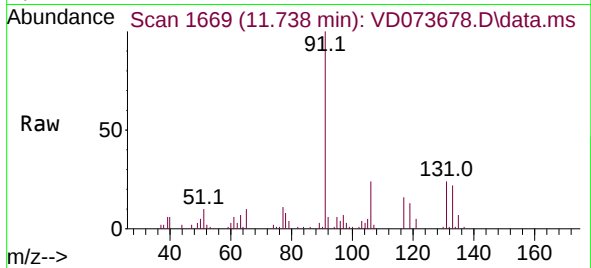




#67
Ethyl Benzene
Concen: 3.801 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

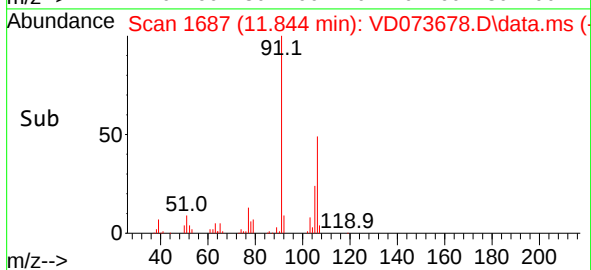
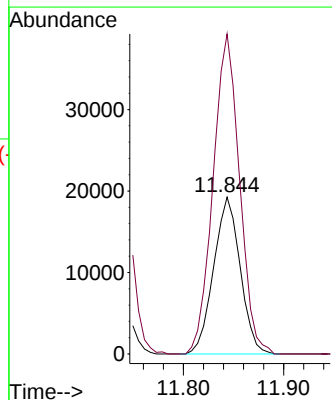
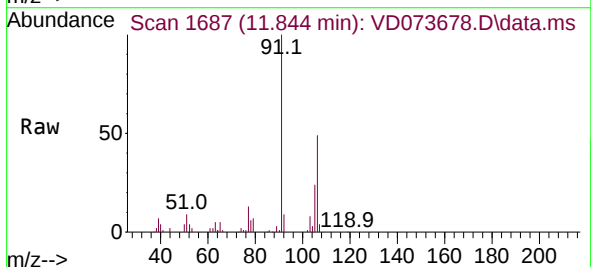
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

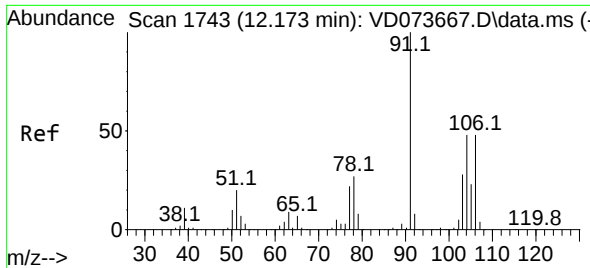
Tgt Ion: 91 Resp: 48410
Ion Ratio Lower Upper
91 100
106 24.1 23.5 35.3



#68
m/p-Xylenes
Concen: 7.193 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 106 Resp: 35400
Ion Ratio Lower Upper
106 100
91 203.2 161.4 242.2

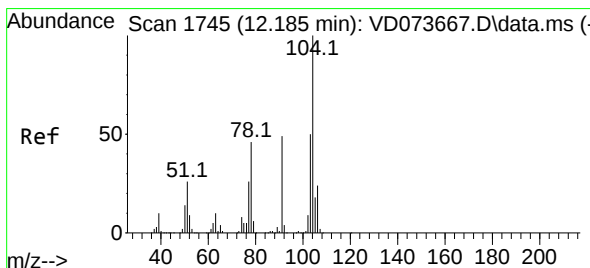
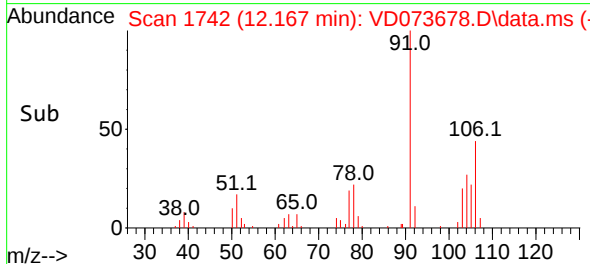
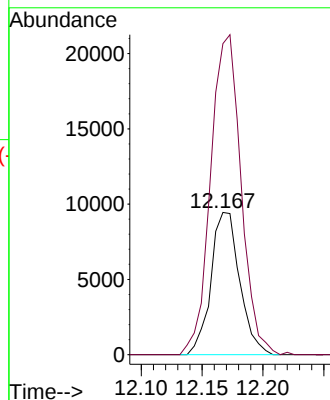
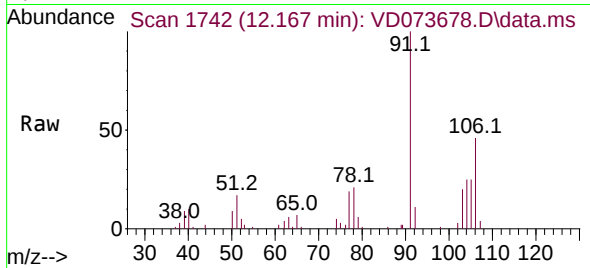




#69
o-Xylene
Concen: 3.401 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

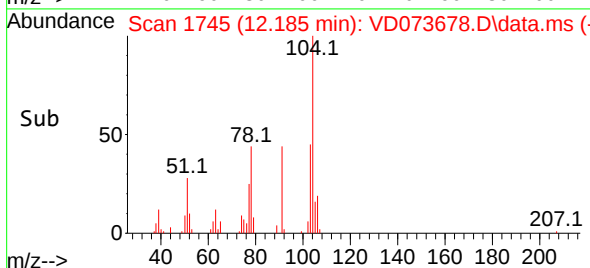
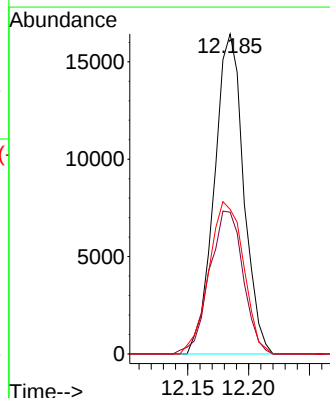
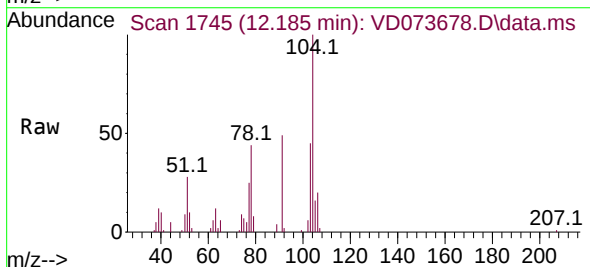
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

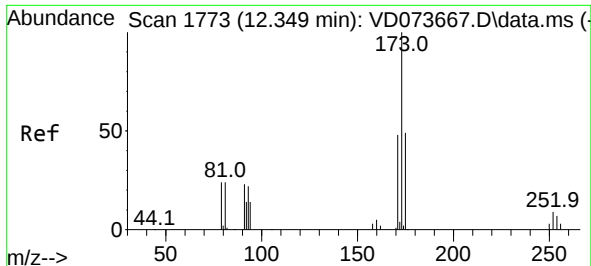
Tgt Ion:106 Resp: 15527
Ion Ratio Lower Upper
106 100
91 238.0 107.6 322.8



#70
Styrene
Concen: 3.439 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:104 Resp: 27471
Ion Ratio Lower Upper
104 100
78 51.1 39.8 59.8
103 56.1 43.3 64.9

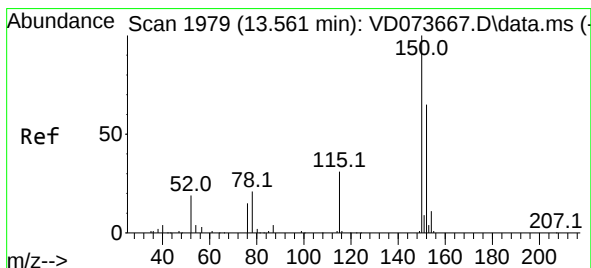
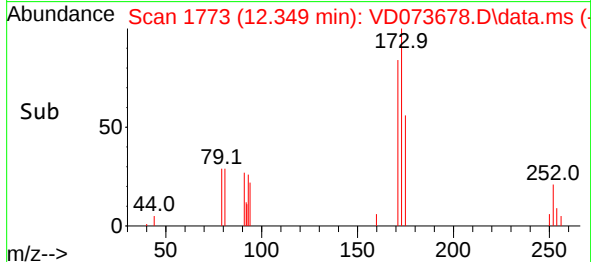
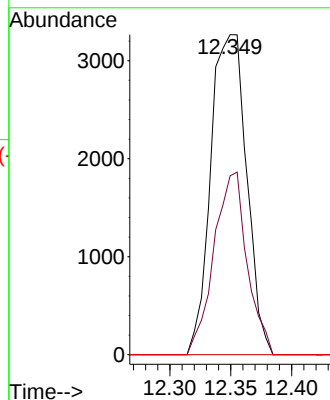
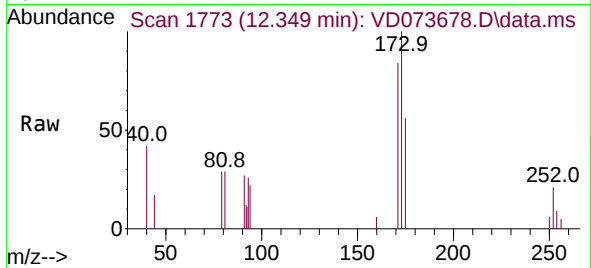




#71
Bromoform
Concen: 4.192 ug/l
RT: 12.349 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

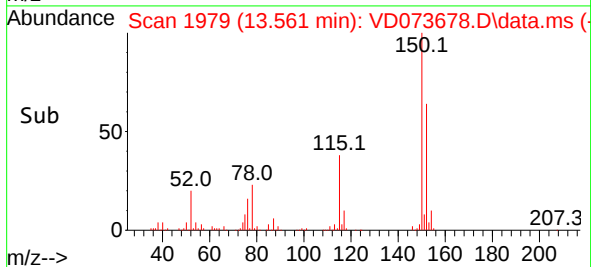
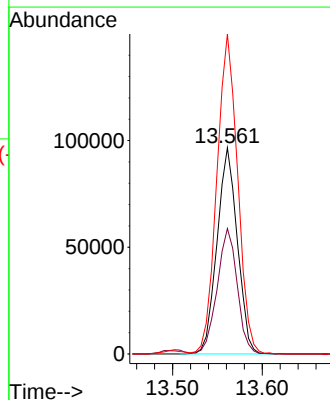
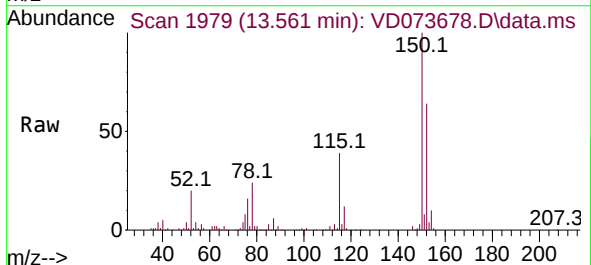
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

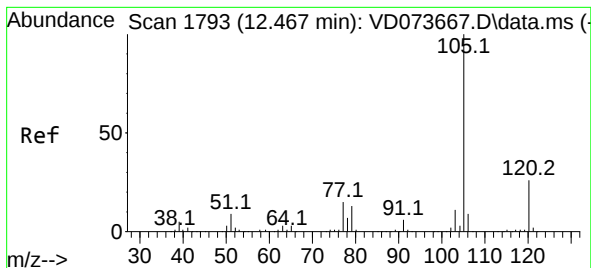
Tgt Ion:173 Resp: 6692
Ion Ratio Lower Upper
173 100
175 52.8 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:152 Resp: 151774
Ion Ratio Lower Upper
152 100
115 60.2 30.6 91.6
150 158.8 0.0 355.0





#73

Isopropylbenzene

Concen: 3.514 ug/l

RT: 12.467 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

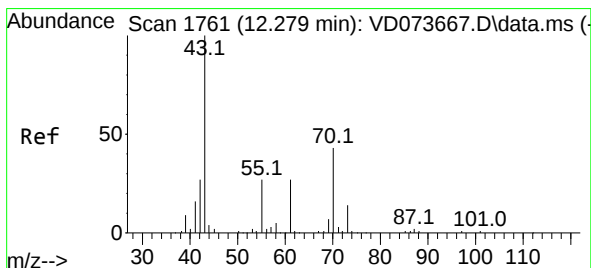
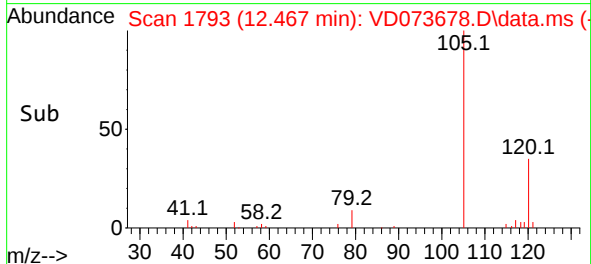
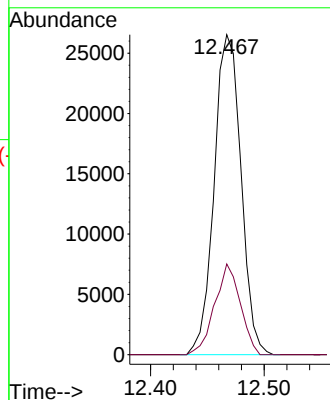
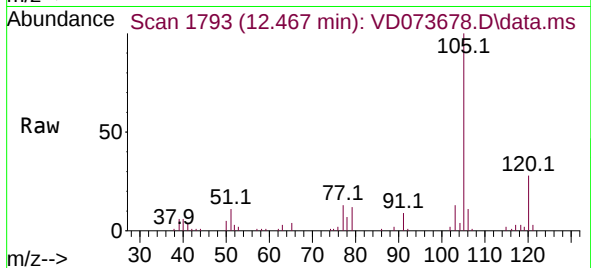
MDL-SOIL-03-QT2-2022

Tgt Ion:105 Resp: 43556

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6



#74

N-ethyl acetate

Concen: 3.315 ug/l

RT: 12.279 min Scan# 1761

Delta R.T. -0.000 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Tgt Ion: 43 Resp: 8406

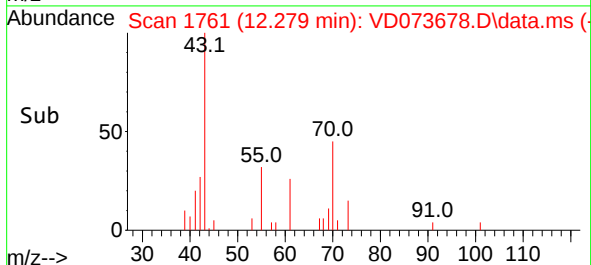
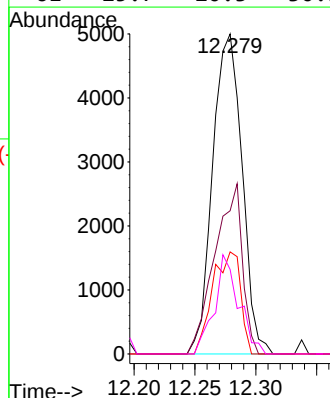
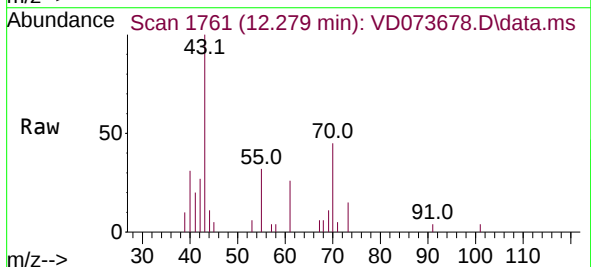
Ion Ratio Lower Upper

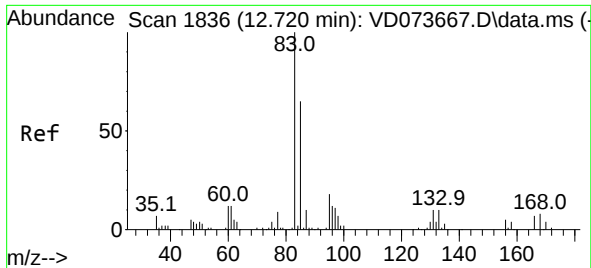
43 100

70 50.0 35.0 52.6

55 30.3 21.0 31.4

61 25.7 20.3 30.5

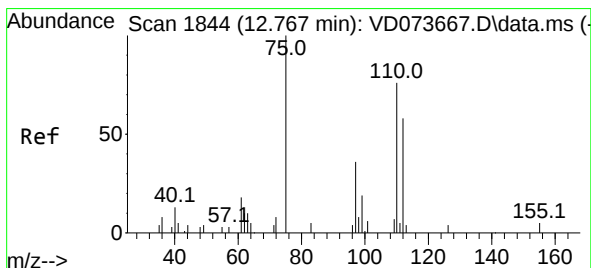
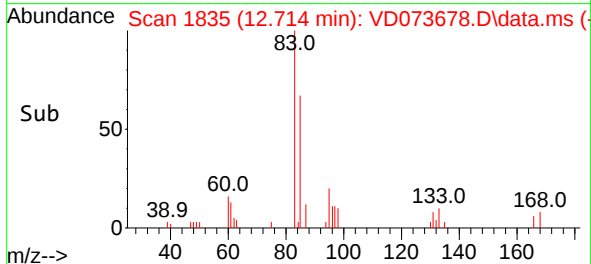
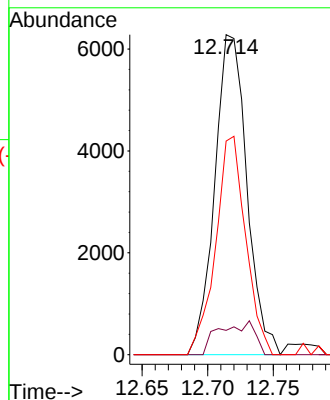
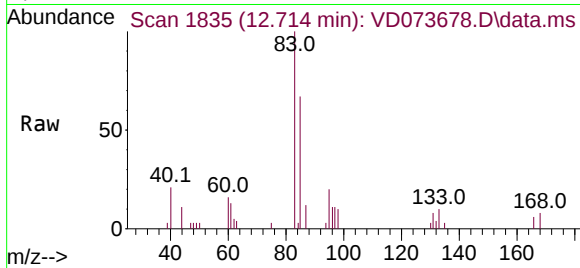




#75
 1,1,2,2-Tetrachloroethane
 Concen: 4.581 ug/l
 RT: 12.714 min Scan# 1835
 Delta R.T. -0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

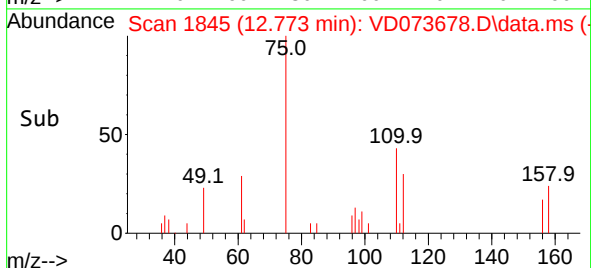
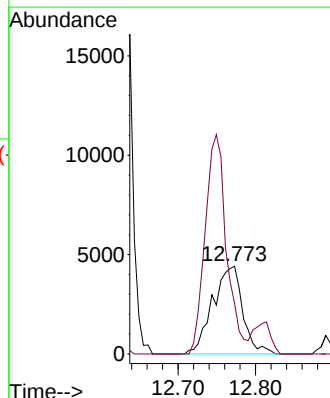
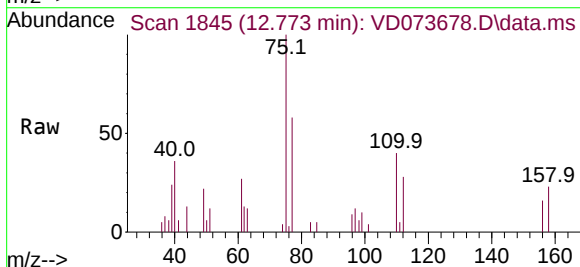
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT2-2022

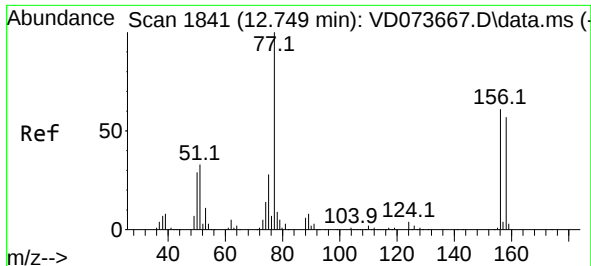
Tgt Ion: 83 Resp: 10712
 Ion Ratio Lower Upper
 83 100
 131 11.5 5.5 16.7
 85 63.8 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 8.026 ug/l
 RT: 12.773 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

Tgt Ion: 75 Resp: 11855
 Ion Ratio Lower Upper
 75 100
 77 0.0 195.3 586.0#

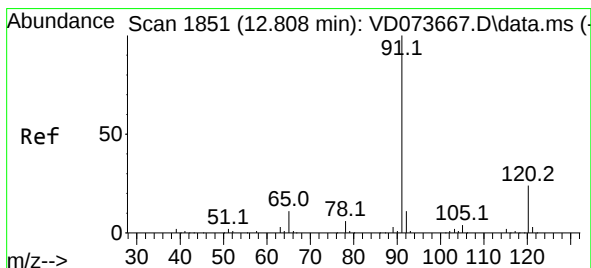
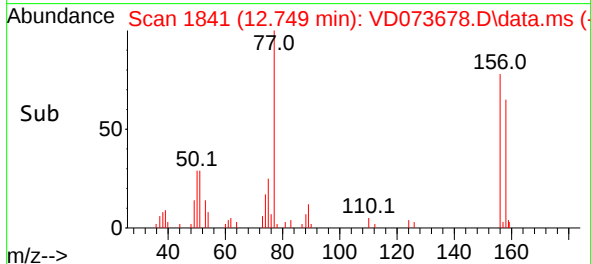
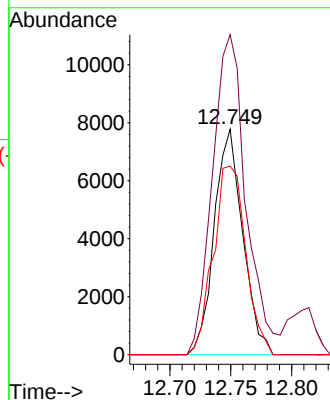
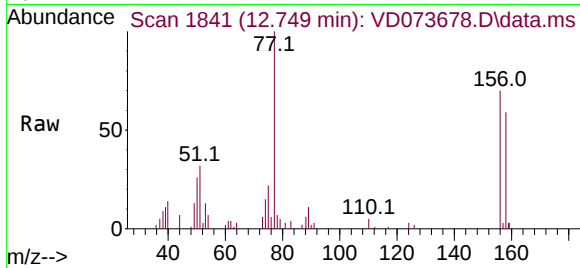




#77
Bromobenzene
Concen: 4.256 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

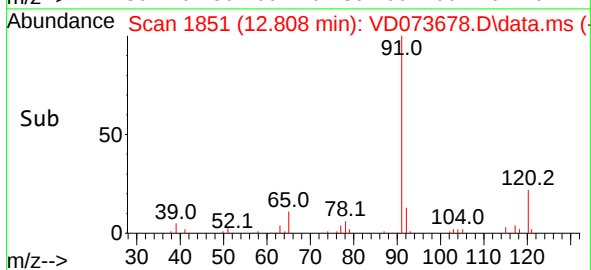
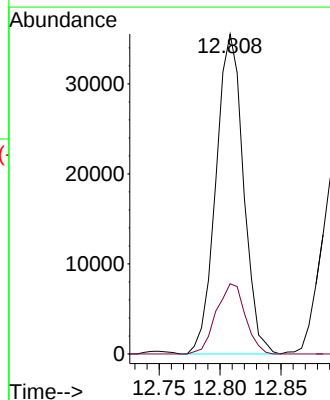
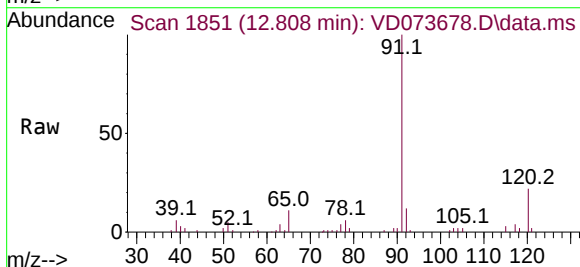
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

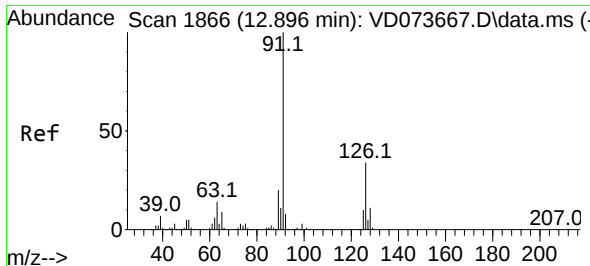
Tgt Ion	Ratio	Lower	Upper
156	100		
77	167.5	90.9	272.7
158	95.3	48.4	145.2



#78
n-propylbenzene
Concen: 3.688 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.3

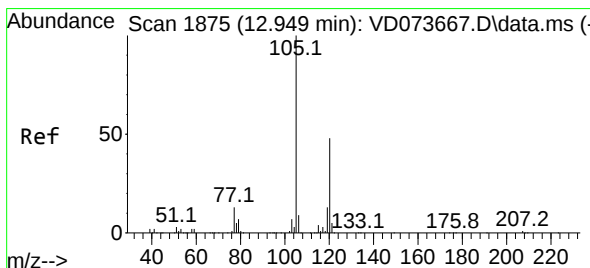
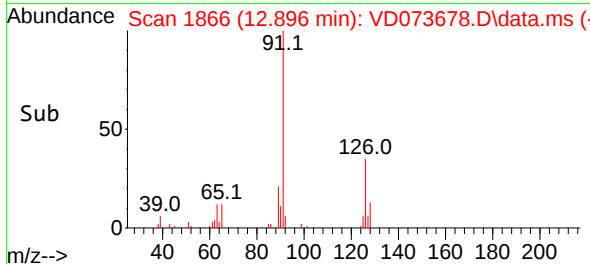
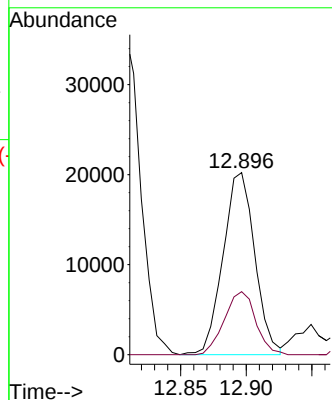
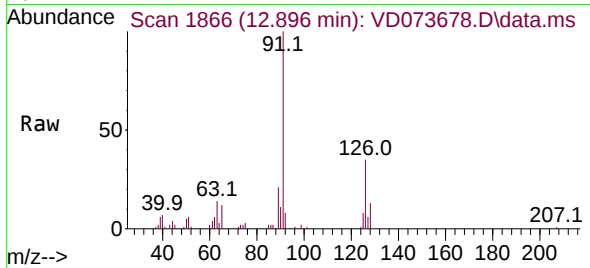




#79
2-Chlorotoluene
Concen: 3.862 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

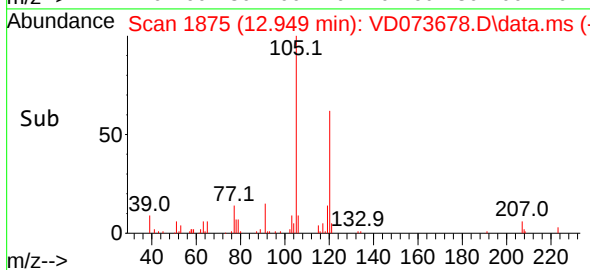
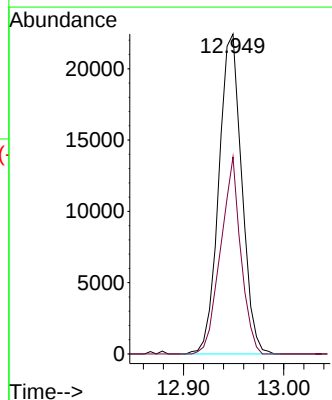
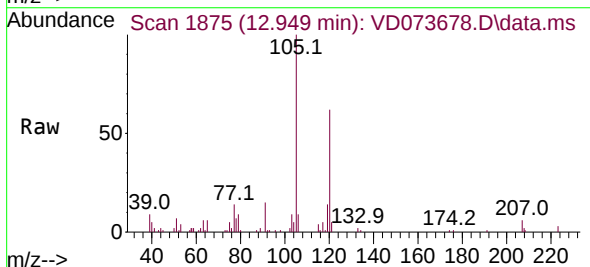
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT2-2022

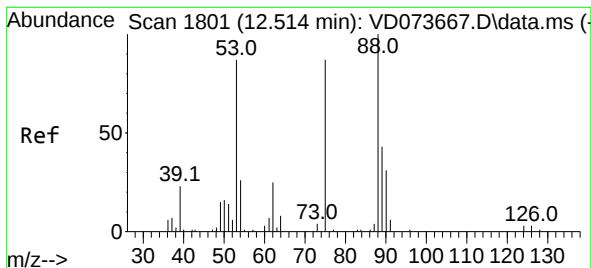
Tgt Ion: 91 Resp: 34075
Ion Ratio Lower Upper
91 100
126 34.2 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 3.347 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 105 Resp: 35559
Ion Ratio Lower Upper
105 100
120 54.1 24.5 73.5

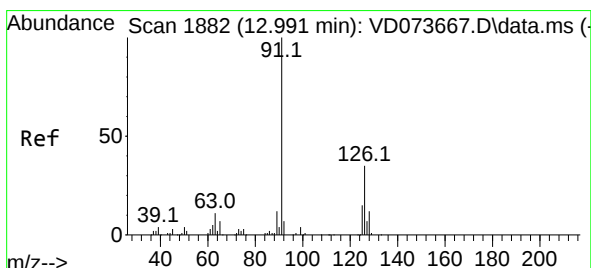
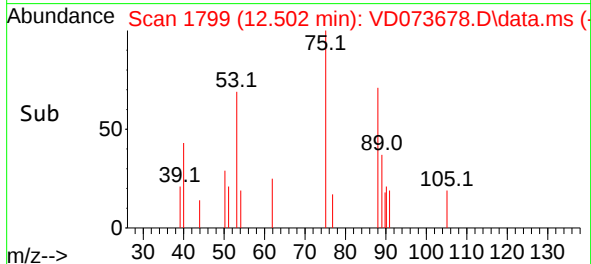
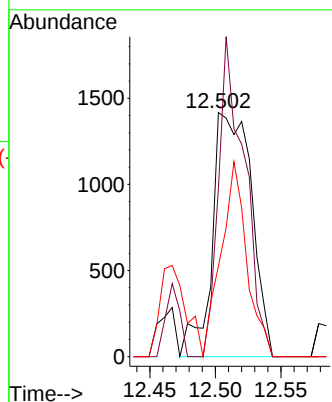
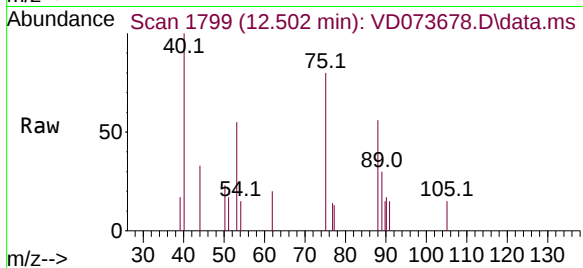




#81
trans-1,4-Dichloro-2-butene
Concen: 4.093 ug/l
RT: 12.502 min Scan# 1799
Delta R.T. -0.012 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

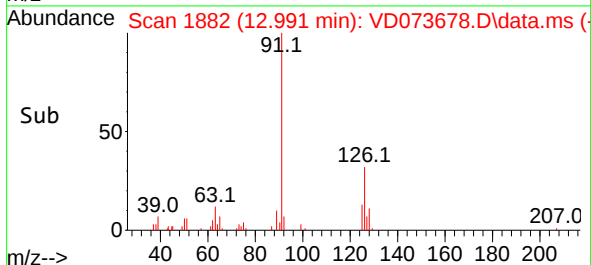
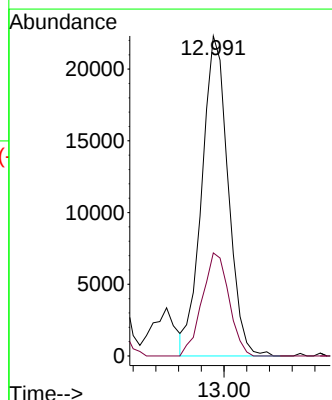
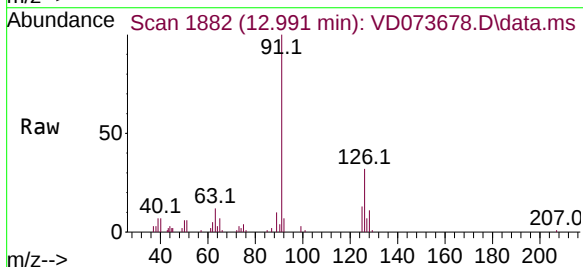
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

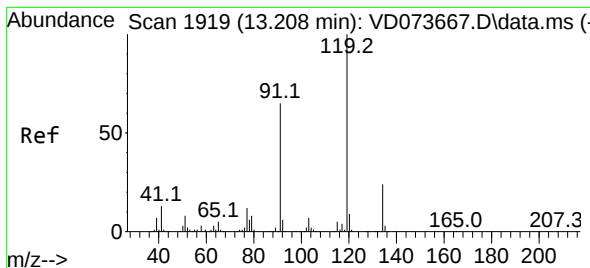
Tgt Ion: 75 Resp: 2961
Ion Ratio Lower Upper
75 100
53 85.8 77.0 115.6
89 52.1 37.8 56.8



#82
4-Chlorotoluene
Concen: 3.818 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 91 Resp: 35815
Ion Ratio Lower Upper
91 100
126 32.9 16.8 50.4





#83

tert-Butylbenzene

Concen: 3.432 ug/l

RT: 13.214 min Scan# 1919

Delta R.T. 0.006 min

Lab File: VD073678.D

Acq: 23 Jun 2022 21:08

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

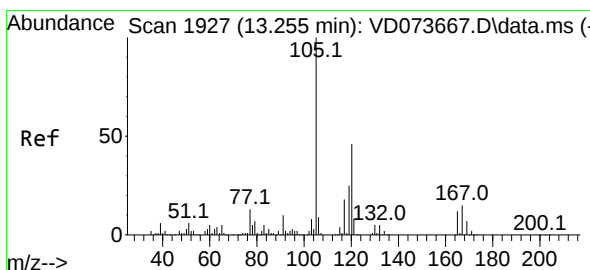
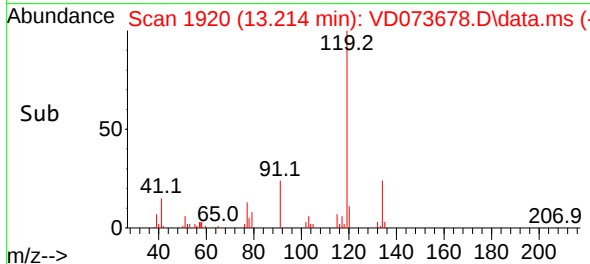
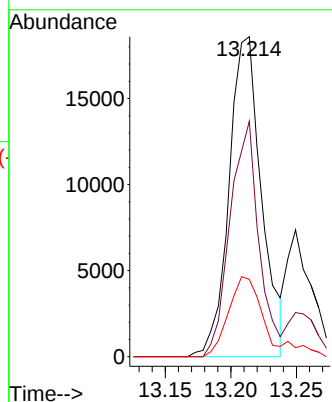
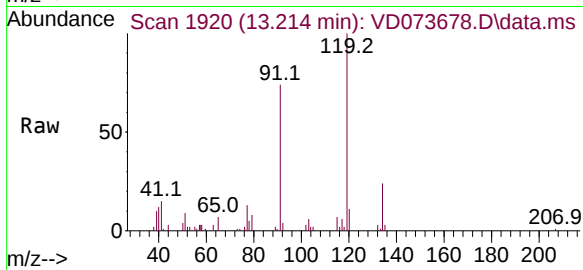
Tgt Ion:119 Resp: 32053

Ion Ratio Lower Upper

119 100

91 65.2 32.1 96.5

134 25.2 12.4 37.4



#84

1,2,4-Trimethylbenzene

Concen: 3.441 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VD073678.D

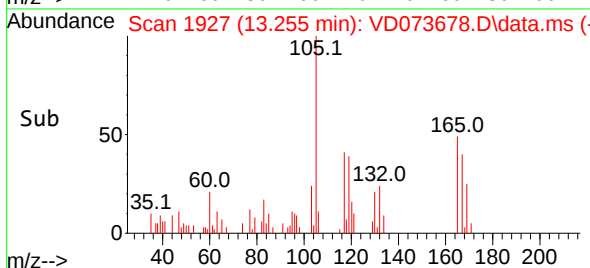
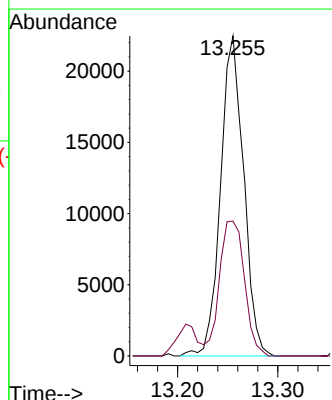
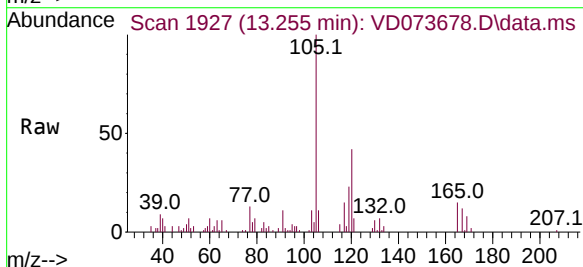
Acq: 23 Jun 2022 21:08

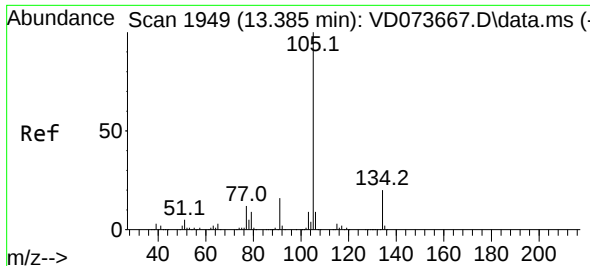
Tgt Ion:105 Resp: 35908

Ion Ratio Lower Upper

105 100

120 45.6 22.6 67.8

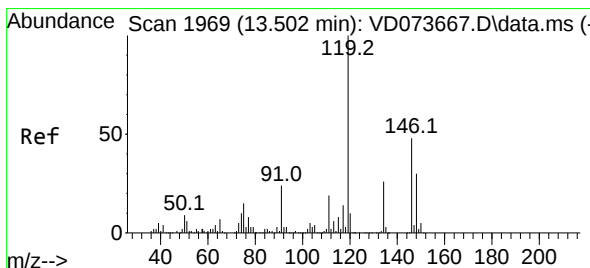
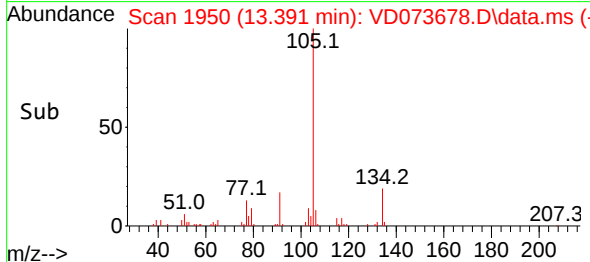
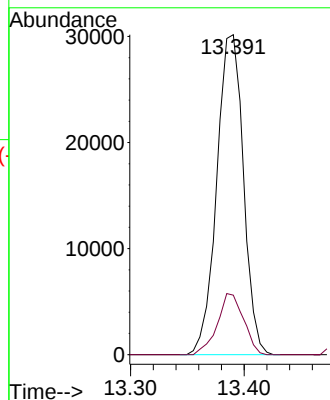
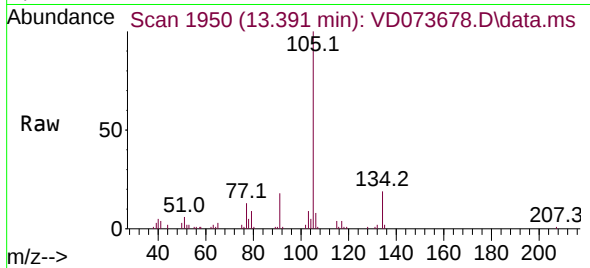




#85
 sec-Butylbenzene
 Concen: 3.580 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.006 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

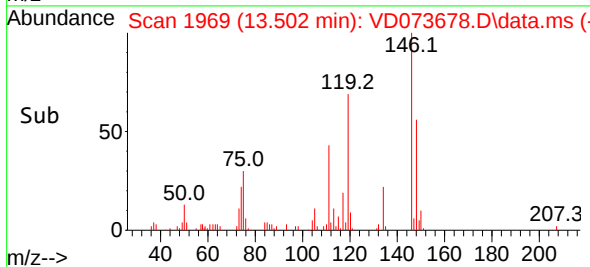
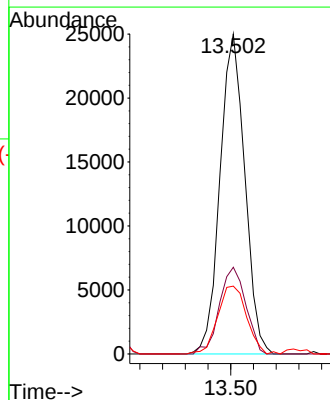
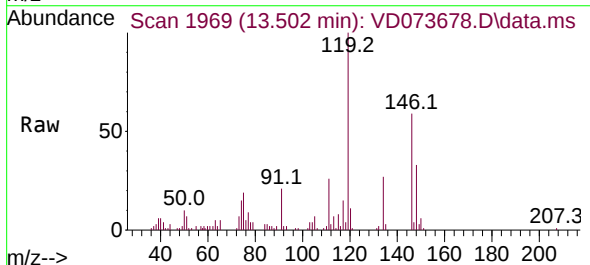
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

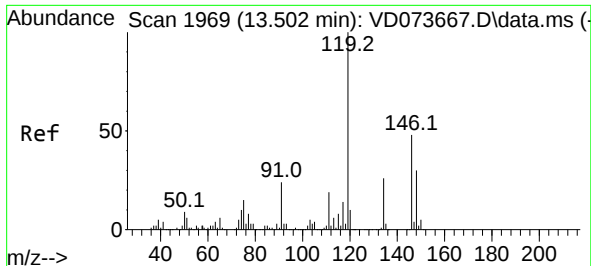
Tgt Ion:105 Resp: 49175
 Ion Ratio Lower Upper
 105 100
 134 18.8 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 3.310 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD073678.D
 Acq: 23 Jun 2022 21:08

Tgt Ion:119 Resp: 37851
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.0 39.0
 91 24.8 12.1 36.3

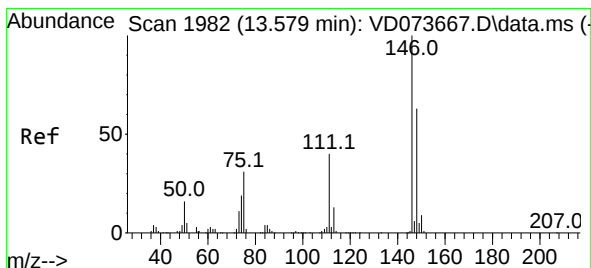
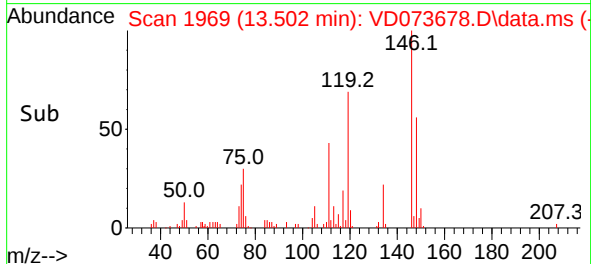
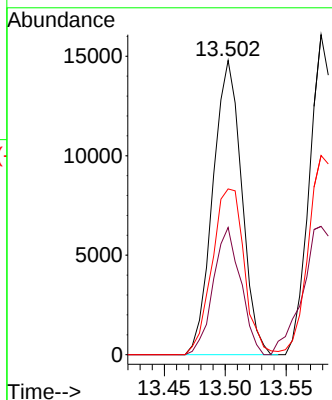
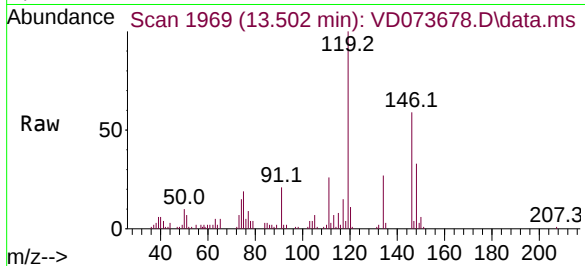




#87
1,3-Dichlorobenzene
Concen: 3.928 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

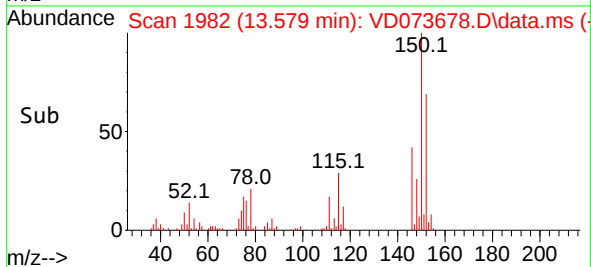
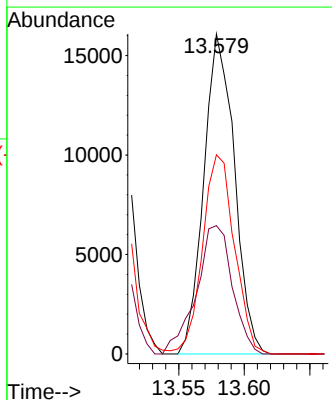
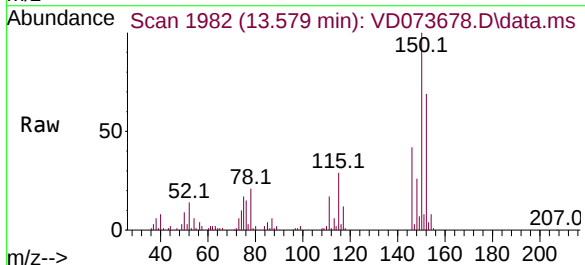
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

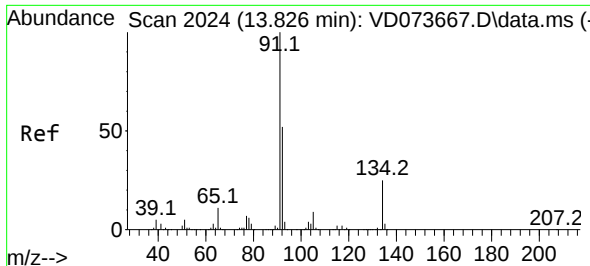
Tgt Ion:146	Resp:	24378
Ion	Ratio	Lower Upper
146	100	
111	41.1	20.3 60.9
148	62.9	31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 4.249 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:146	Resp:	26097
Ion	Ratio	Lower Upper
146	100	
111	47.2	19.6 58.8
148	64.9	31.8 95.3

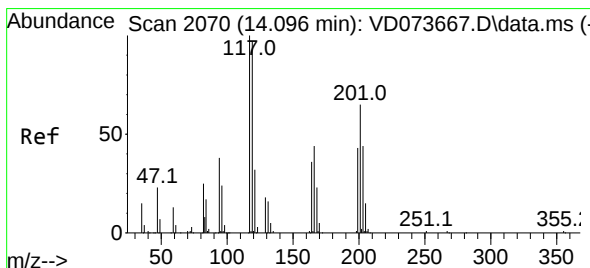
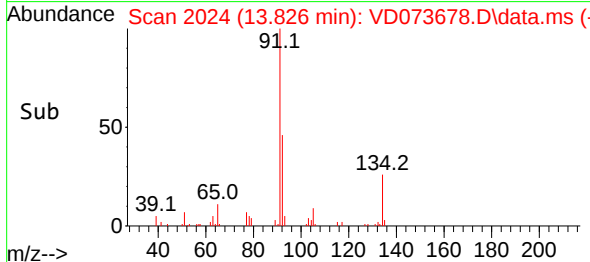
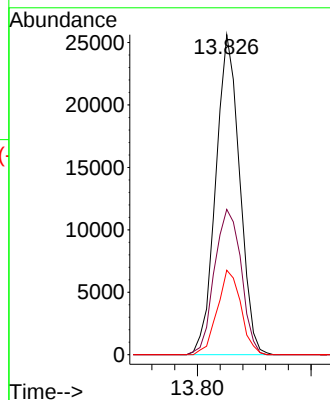
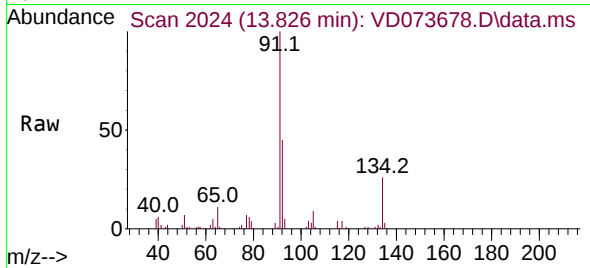




#89
n-Butylbenzene
Concen: 3.497 ug/l
RT: 13.826 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

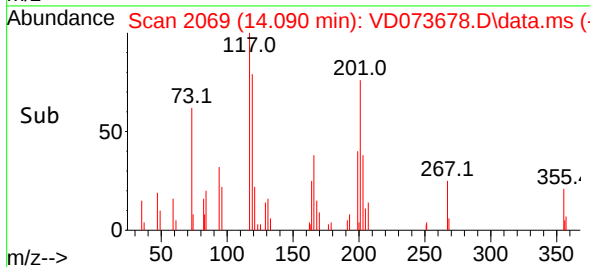
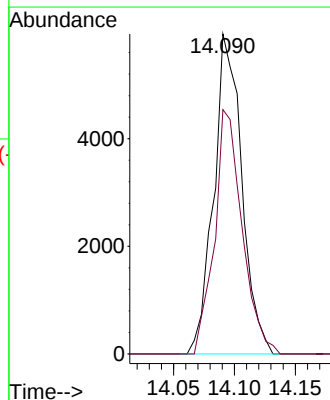
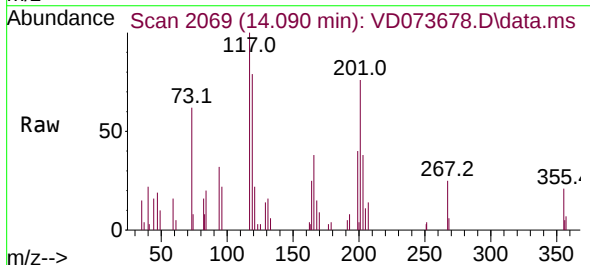
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

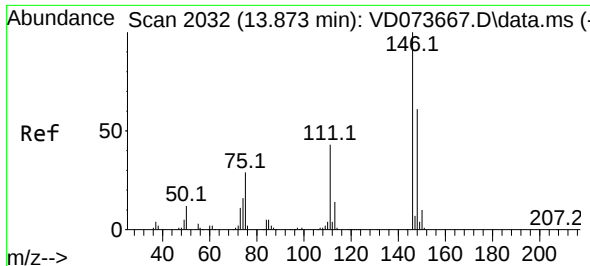
Tgt Ion: 91 Resp: 37450
Ion Ratio Lower Upper
91 100
92 50.7 26.4 79.2
134 26.1 12.7 38.0



#90
Hexachloroethane
Concen: 4.038 ug/l
RT: 14.090 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 117 Resp: 9518
Ion Ratio Lower Upper
117 100
201 75.2 33.8 101.4

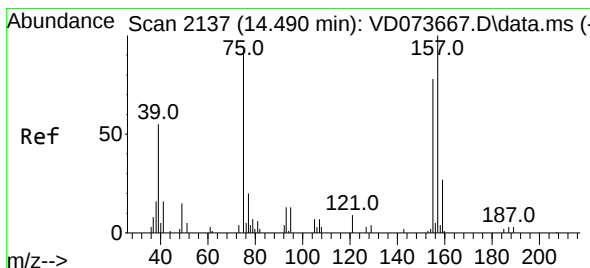
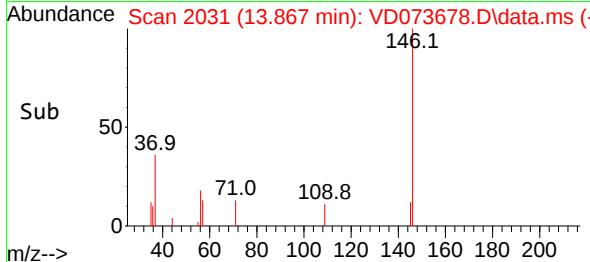
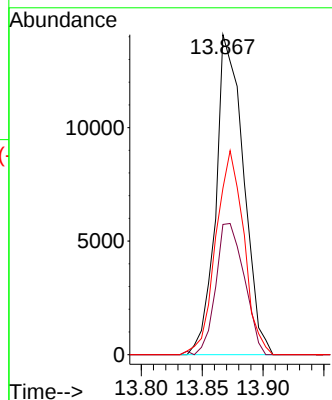
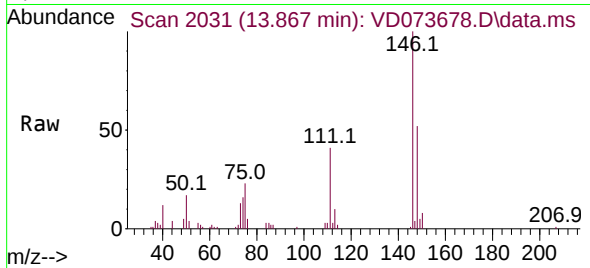




#91
1,2-Dichlorobenzene
Concen: 4.170 ug/l
RT: 13.867 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

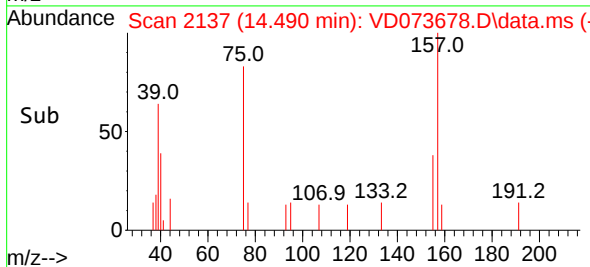
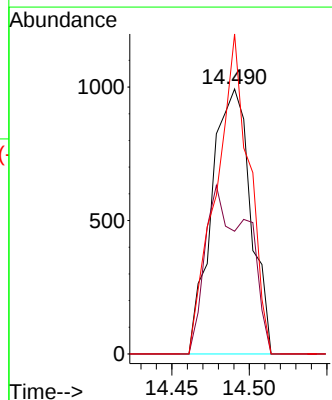
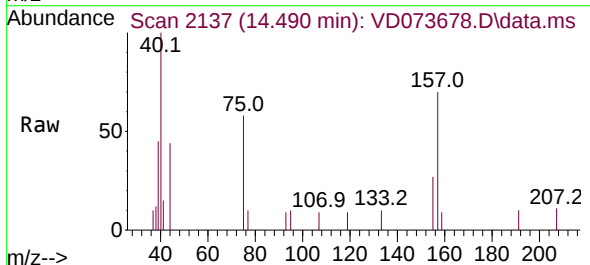
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

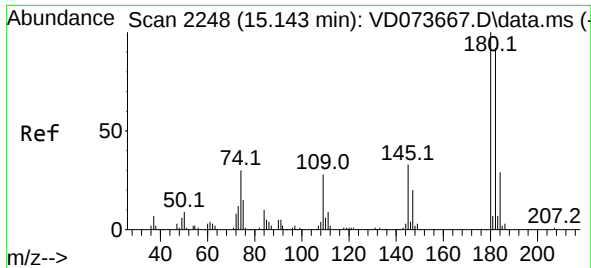
Tgt Ion:146	Resp:	22267
Ion Ratio	Lower	Upper
146	100	
111	42.3	21.1 63.3
148	64.5	31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.455 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion: 75	Resp:	1739
Ion Ratio	Lower	Upper
75	100	
155	68.2	41.2 123.6
157	102.2	55.5 166.5

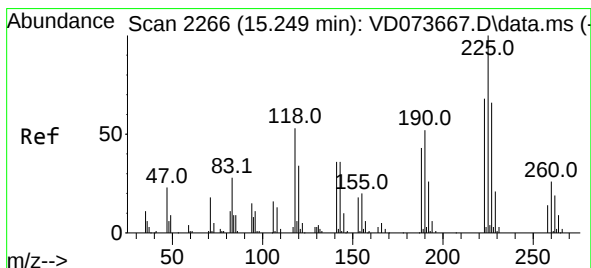
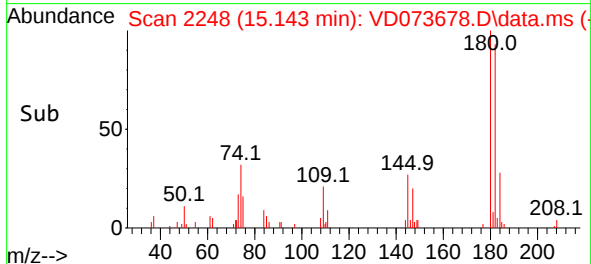
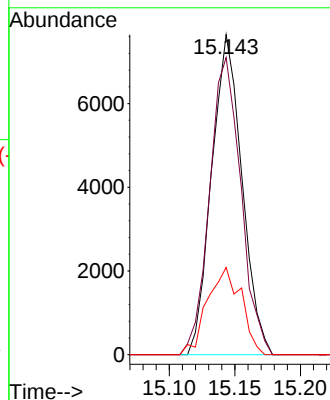
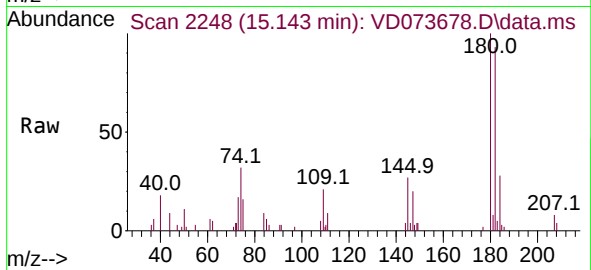




#93
1,2,4-Trichlorobenzene
Concen: 3.850 ug/l
RT: 15.143 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

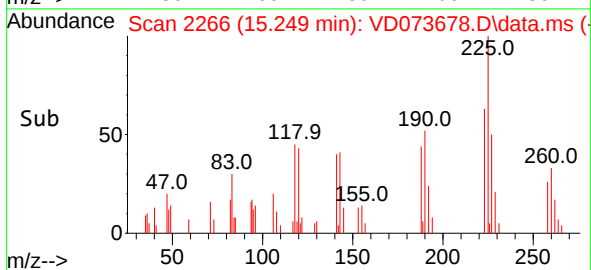
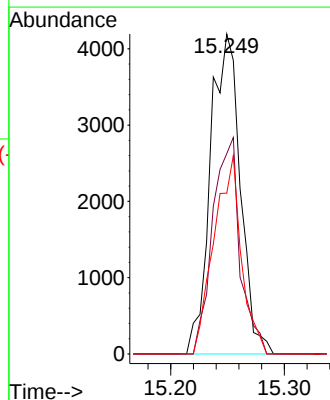
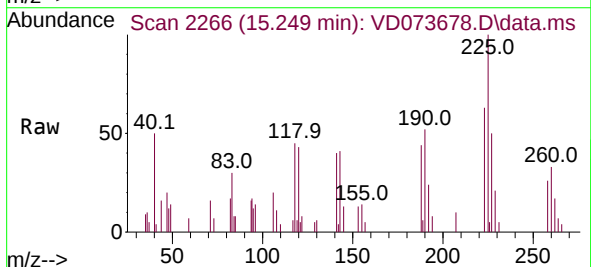
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

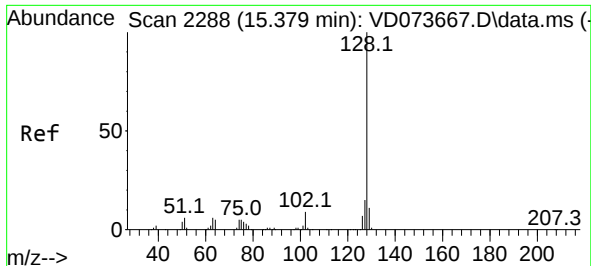
Tgt Ion:	180	Resp:	12279
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.0	144.0
145	30.5	16.2	48.5



#94
Hexachlorobutadiene
Concen: 4.234 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:	225	Resp:	7657
Ion Ratio	Lower	Upper	
225	100		
223	61.8	32.6	97.8
227	56.6	32.6	97.8

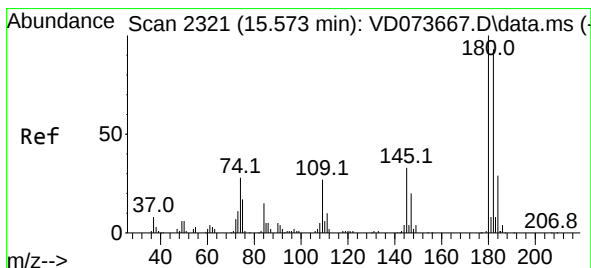
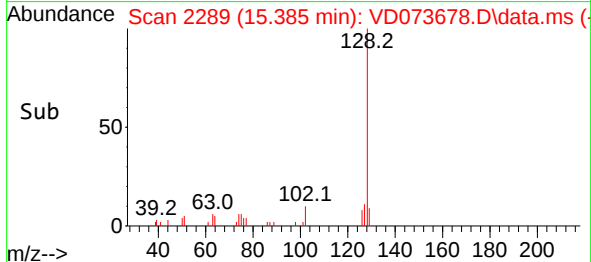
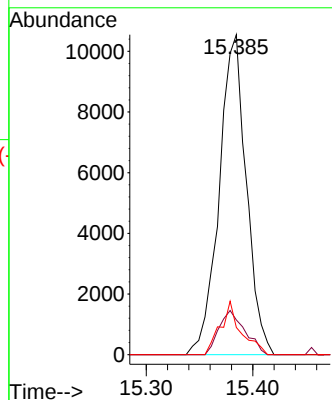
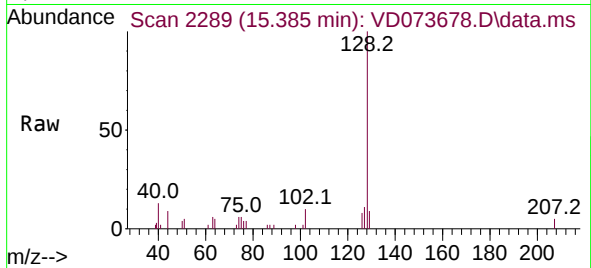




#95
Naphthalene
Concen: 3.276 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:128	Resp:	18677
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.6 16.0
129	12.7	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.984 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VD073678.D
Acq: 23 Jun 2022 21:08

Tgt Ion:180	Resp:	11100
Ion Ratio	Lower	Upper
180	100	
182	87.1	49.0 147.0
145	35.6	17.6 52.8

