

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
 Data File : VD073677.D
 Acq On : 23 Jun 2022 20:39
 Operator : VA/SY
 Sample : N3214-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jun 24 07:28:07 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	184229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	313047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	297747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	146432	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	117458	51.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.820%	
35) Dibromofluoromethane	7.909	113	119966	49.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.380%	
50) Toluene-d8	10.332	98	397046	45.345	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.700%	
62) 4-Bromofluorobenzene	12.620	95	144303	43.941	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.880%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	5864	3.151	ug/l	99
3) Chloromethane	2.209	50	4636	2.756	ug/l	98
4) Vinyl Chloride	2.338	62	4483	2.701	ug/l	97
5) Bromomethane	2.774	94	4187	3.279	ug/l	99
6) Chloroethane	2.921	64	3109	2.782	ug/l	90
7) Trichlorofluoromethane	3.268	101	11524	2.969	ug/l	91
8) Diethyl Ether	3.703	74	2809	2.822	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.097	101	6858	3.080	ug/l	94
10) Methyl Iodide	4.291	142	5643	2.663	ug/l #	94
11) Tert butyl alcohol	5.168	59	21439	42.612	ug/l #	100
12) 1,1-Dichloroethene	4.056	96	5465	2.887	ug/l	97
13) Acrolein	3.915	56	117	3.060	ug/l #	58
14) Allyl chloride	4.715	41	7178	2.572	ug/l	98
15) Acrylonitrile	5.415	53	6216	13.047	ug/l	99
16) Acetone	4.156	43	6875	17.202	ug/l	99
17) Carbon Disulfide	4.409	76	12612	2.640	ug/l	99
18) Methyl Acetate	4.721	43	4611	3.740	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	12263	2.487	ug/l	99
20) Methylene Chloride	4.956	84	15847	5.452	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	5831	2.589	ug/l #	81
22) Diisopropyl ether	6.362	45	13970	2.229	ug/l #	86
23) Vinyl Acetate	6.297	43	24433	7.437	ug/l	99
24) 1,1-Dichloroethane	6.262	63	10343	2.478	ug/l #	91
25) 2-Butanone	7.209	43	8911	15.627	ug/l #	84
26) 2,2-Dichloropropane	7.197	77	11833	3.010	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	6798	2.567	ug/l	86
28) Bromochloromethane	7.532	49	4591	3.117	ug/l #	87
29) Tetrahydrofuran	7.562	42	4085	11.784	ug/l #	81
30) Chloroform	7.703	83	12086	2.573	ug/l #	80
31) Cyclohexane	7.973	56	11529	3.396	ug/l #	76
32) 1,1,1-Trichloroethane	7.897	97	11979	2.839	ug/l	99
36) 1,1-Dichloropropene	8.109	75	8507	2.485	ug/l	95
37) Ethyl Acetate	7.291	43	3124	2.325	ug/l #	74
38) Carbon Tetrachloride	8.091	117	10457	2.624	ug/l #	81
39) Methylcyclohexane	9.350	83	8904	2.343	ug/l	95
40) Benzene	8.344	78	24514	2.474	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1775	2.188	ug/l #	77
42) 1,2-Dichloroethane	8.414	62	8328	2.789	ug/l	98
43) Isopropyl Acetate	8.438	43	6501	2.466	ug/l #	80
44) Trichloroethene	9.103	130	6752	2.372	ug/l	84
45) 1,2-Dichloropropane	9.379	63	5904	2.376	ug/l	92
46) Dibromomethane	9.467	93	3514	2.436	ug/l	97
47) Bromodichloromethane	9.656	83	9365	2.477	ug/l #	96
48) Methyl methacrylate	9.456	41	3225	2.410	ug/l	89
49) 1,4-Dioxane	9.444	88	613	38.066	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	15248	11.255	ug/l	95
52) Toluene	10.397	92	15746	2.425	ug/l	94
53) t-1,3-Dichloropropene	10.608	75	8006	2.328	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	8618	2.201	ug/l	95
55) 1,1,2-Trichloroethane	10.785	97	4955	2.437	ug/l #	84
56) Ethyl methacrylate	10.656	69	4410	1.925	ug/l	98
57) 1,3-Dichloropropane	10.932	76	7406	2.209	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	10760	12.100	ug/l	97
59) 2-Hexanone	10.973	43	10367	11.334	ug/l	97
60) Dibromochloromethane	11.132	129	6991	2.609	ug/l	96
61) 1,2-Dibromoethane	11.238	107	5142	2.672	ug/l	100
64) Tetrachloroethene	10.867	164	7100	3.012	ug/l	92
65) Chlorobenzene	11.661	112	19373	2.658	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	7566	2.584	ug/l	95
67) Ethyl Benzene	11.732	91	29181	2.295	ug/l	95
68) m/p-Xylenes	11.844	106	21667	4.409	ug/l	93
69) o-Xylene	12.173	106	9610	2.108	ug/l	100
70) Styrene	12.185	104	15799	1.981	ug/l	98
71) Bromoform	12.350	173	3664	2.299	ug/l #	94
73) Isopropylbenzene	12.467	105	25651	2.145	ug/l	97
74) N-amyl acetate	12.279	43	4787	1.957	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	5835	2.587	ug/l	99
76) 1,2,3-Trichloropropane	12.761	75	7246	5.085	ug/l	18
77) Bromobenzene	12.749	156	7350	2.556	ug/l	91
78) n-propylbenzene	12.808	91	34372	2.352	ug/l	99
79) 2-Chlorotoluene	12.891	91	20789	2.442	ug/l	97
80) 1,3,5-Trimethylbenzene	12.944	105	20563	2.006	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.620	75	73227	104.911	ug/l #	11
82) 4-Chlorotoluene	12.991	91	20481	2.263	ug/l	96
83) tert-Butylbenzene	13.208	119	18431	2.045	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	20576	2.043	ug/l	93
85) sec-Butylbenzene	13.385	105	28176	2.126	ug/l	99
86) p-Isopropyltoluene	13.502	119	22729	2.060	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	15881	2.652	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	16339	2.757	ug/l	92
89) n-Butylbenzene	13.826	91	23272	2.253	ug/l	97
90) Hexachloroethane	14.096	117	5488	2.413	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	12730	2.471	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1000	2.655	ug/l	77
93) 1,2,4-Trichlorobenzene	15.149	180	7068	2.297	ug/l	94
94) Hexachlorobutadiene	15.249	225	5103	2.925	ug/l	95
95) Naphthalene	15.379	128	10981	1.996	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	6567	2.443	ug/l	94

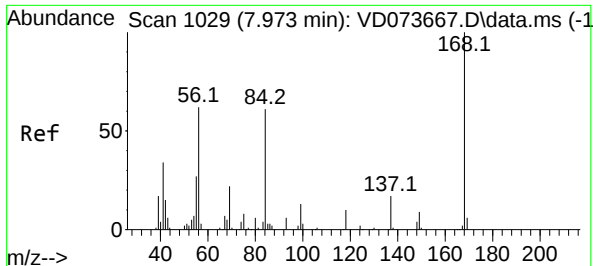
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062322\
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Response via : Initial Calibration

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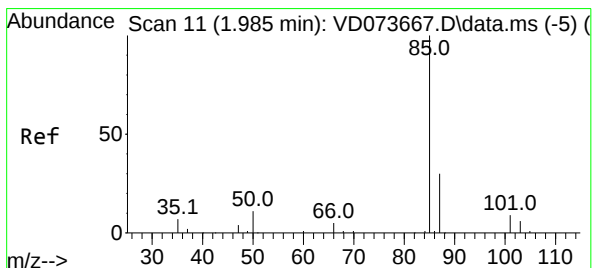
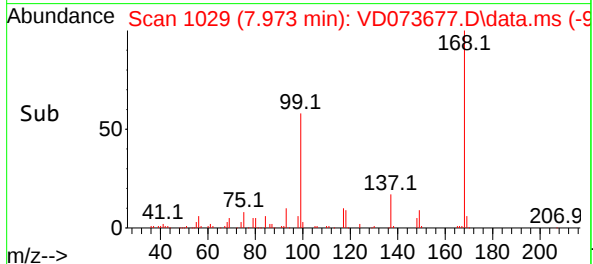
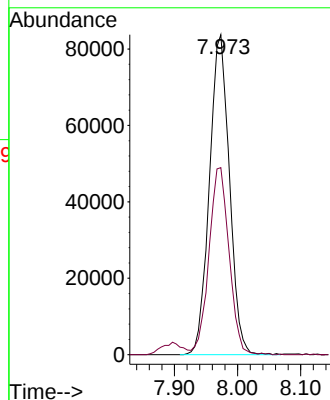
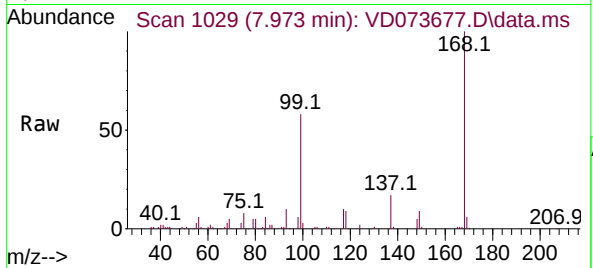
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

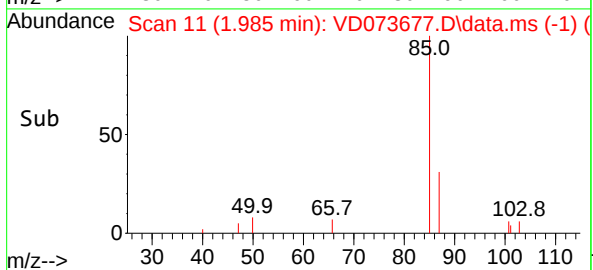
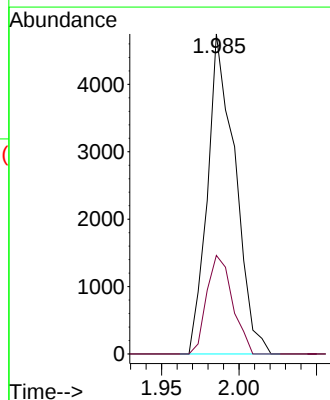
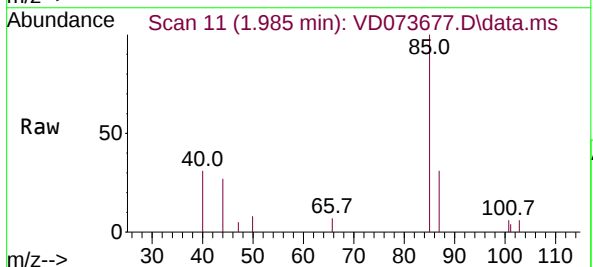
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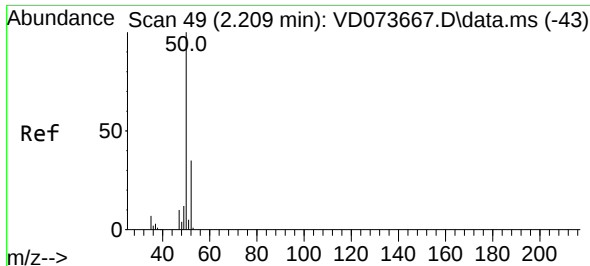
Tgt Ion:168 Resp: 184229
Ion Ratio Lower Upper
168 100
99 58.2 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 3.151 ug/l
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 85 Resp: 5864
Ion Ratio Lower Upper
85 100
87 30.8 15.2 45.5

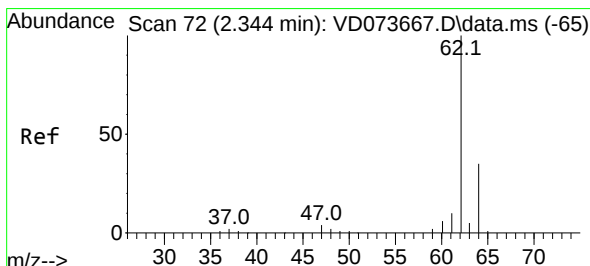
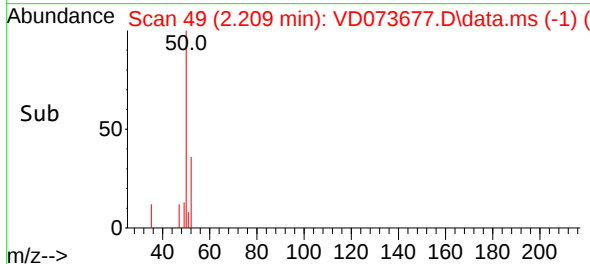
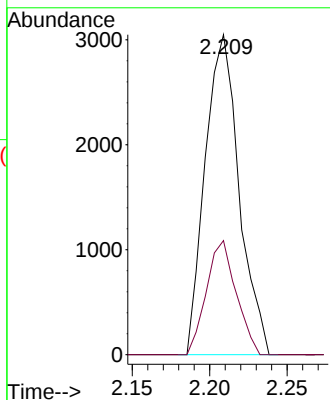
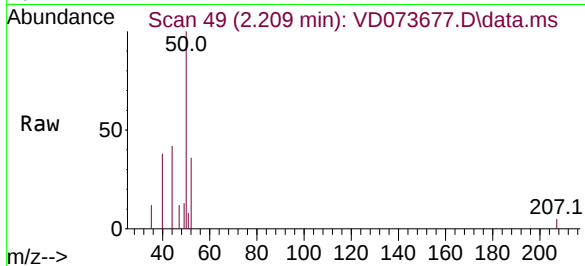




#3
Chloromethane
Concen: 2.756 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

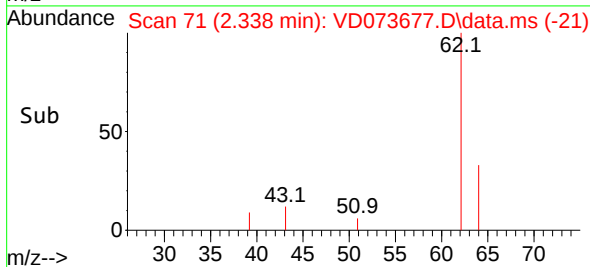
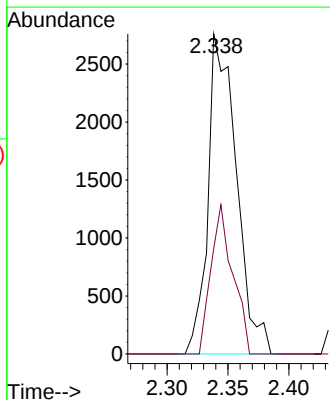
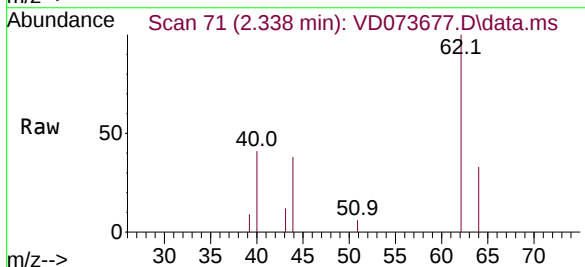
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ClientSampleId :
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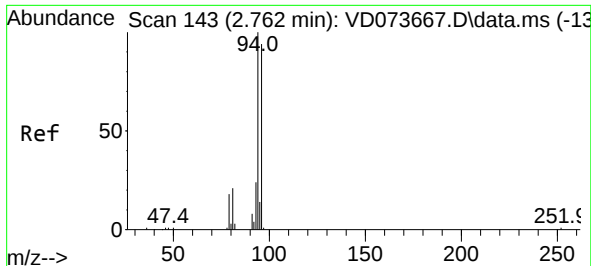
Tgt Ion: 50 Resp: 4636
Ion Ratio Lower Upper
50 100
52 35.7 27.8 41.6



#4
Vinyl Chloride
Concen: 2.701 ug/l
RT: 2.338 min Scan# 71
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 62 Resp: 4483
Ion Ratio Lower Upper
62 100
64 33.0 27.8 41.6

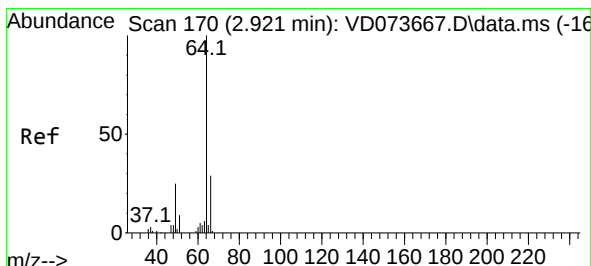
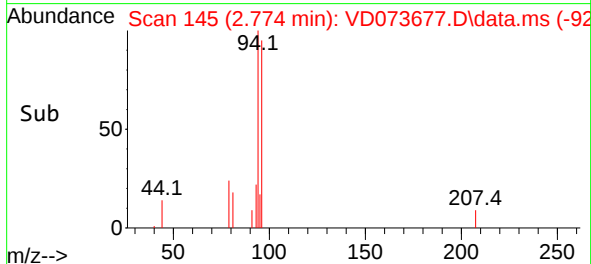
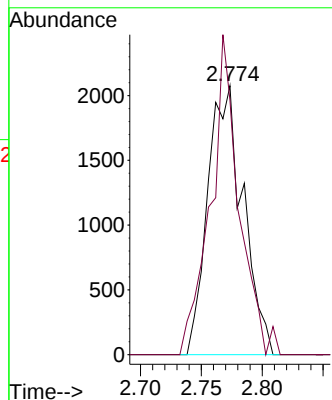
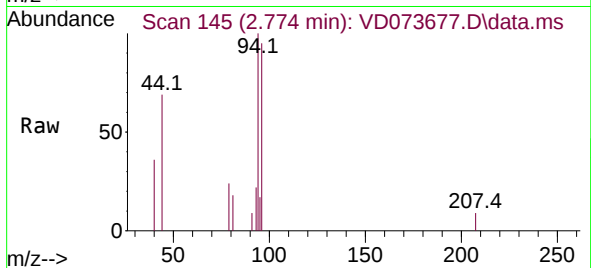




#5
Bromomethane
Concen: 3.279 ug/l
RT: 2.774 min Scan# 143
Delta R.T. 0.012 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

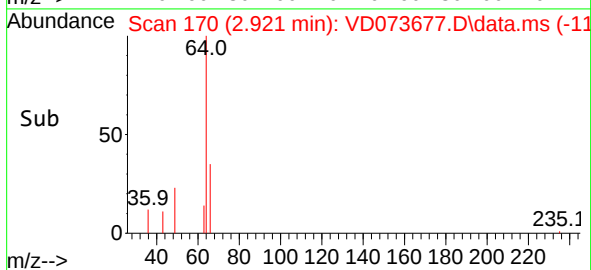
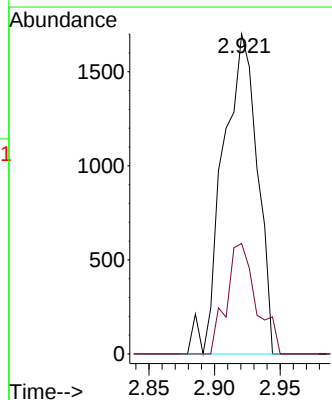
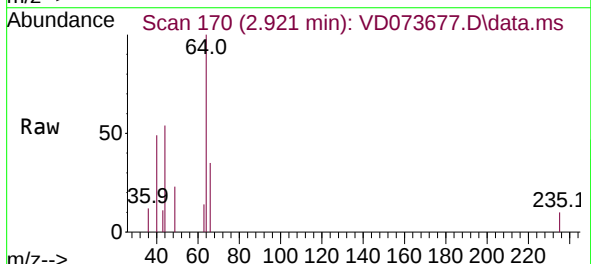
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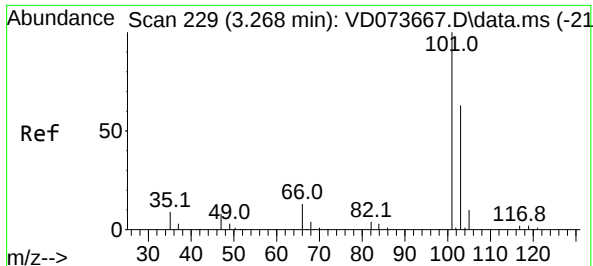
Tgt Ion: 94 Resp: 4187
Ion Ratio Lower Upper
94 100
96 94.6 75.1 112.7



#6
Chloroethane
Concen: 2.782 ug/l
RT: 2.921 min Scan# 170
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 64 Resp: 3109
Ion Ratio Lower Upper
64 100
66 34.5 23.3 34.9

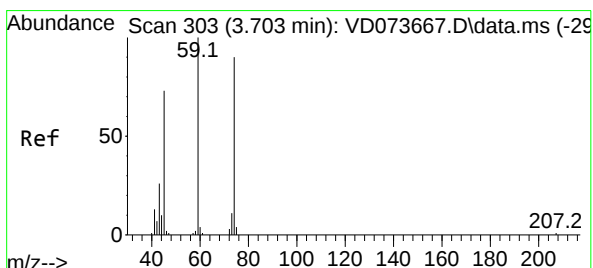
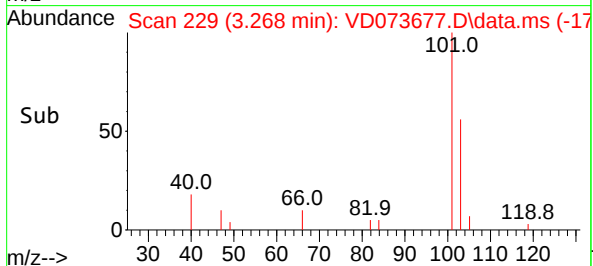
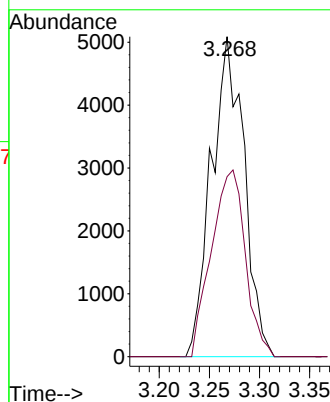
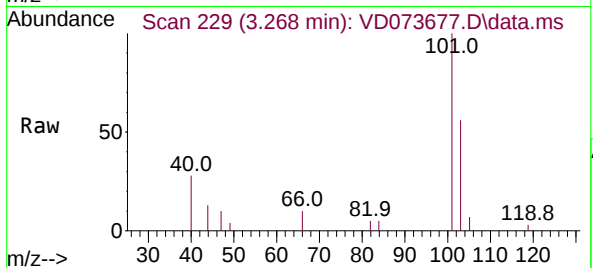




#7
Trichlorofluoromethane
Concen: 2.969 ug/l
RT: 3.268 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

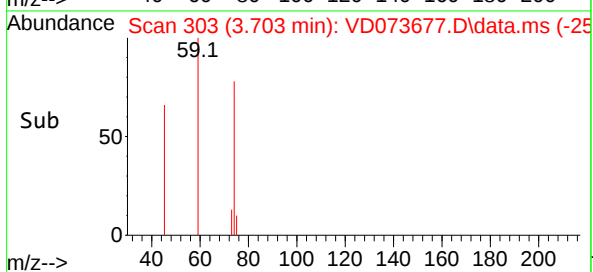
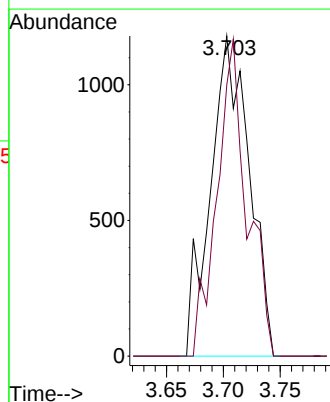
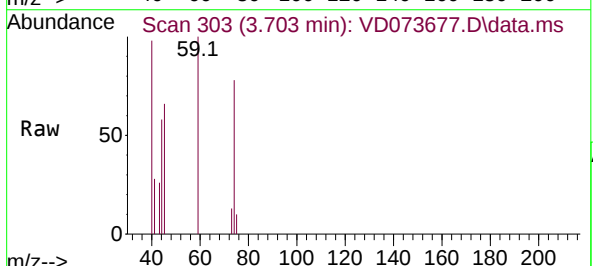
Instrument :
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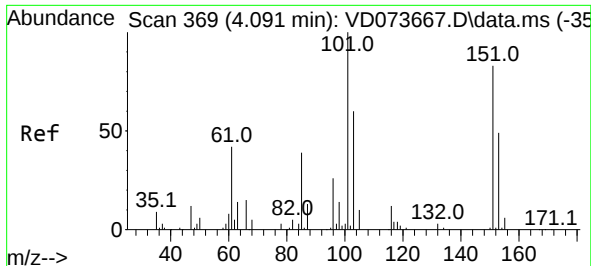
Tgt Ion:101 Resp: 11524
Ion Ratio Lower Upper
101 100
103 56.2 50.4 75.6



#8
Diethyl Ether
Concen: 2.822 ug/l
RT: 3.703 min Scan# 303
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 74 Resp: 2809
Ion Ratio Lower Upper
74 100
45 76.7 45.0 134.8

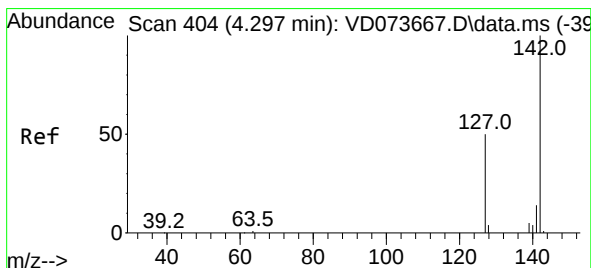
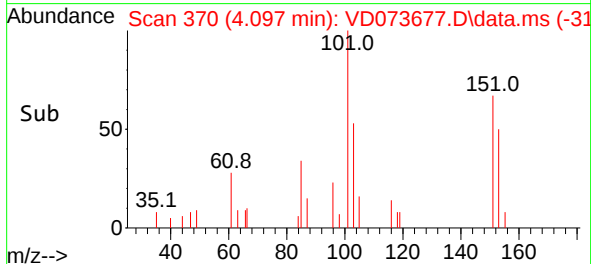
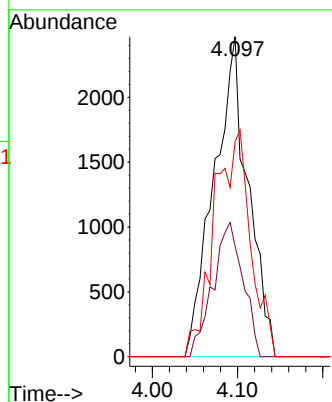
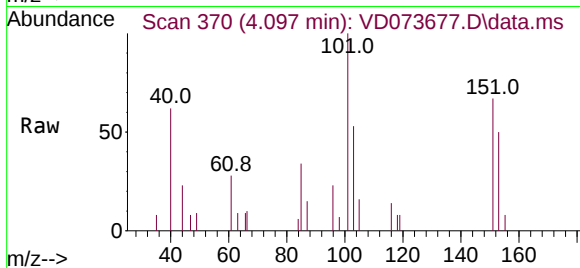




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.080 ug/l
RT: 4.097 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

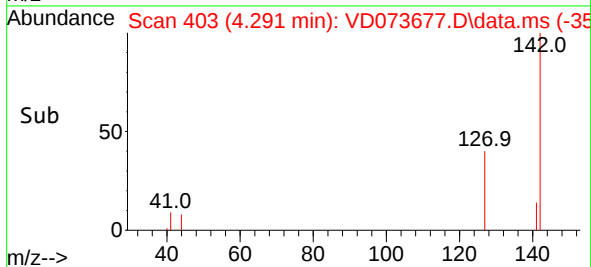
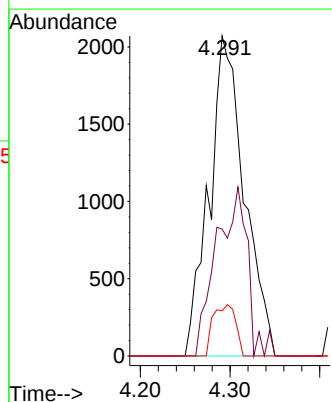
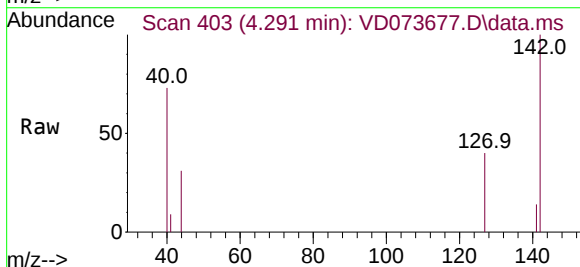
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

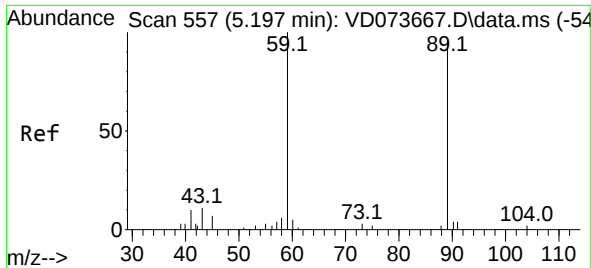
Tgt Ion:101 Resp: 6858
Ion Ratio Lower Upper
101 100
85 37.1 34.8 52.2
151 75.4 63.4 95.0



#10
Methyl Iodide
Concen: 2.663 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:142 Resp: 5643
Ion Ratio Lower Upper
142 100
127 46.7 39.4 59.2
141 10.2 11.9 17.9#

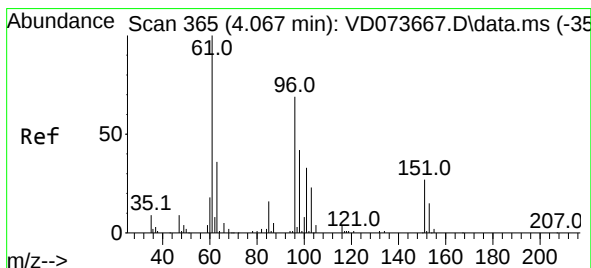
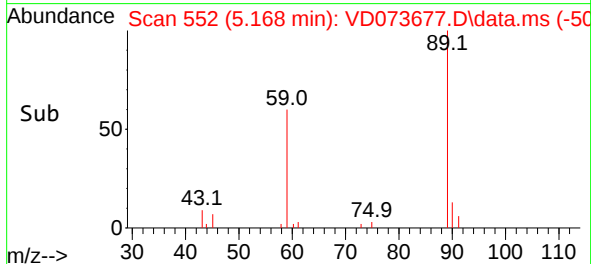
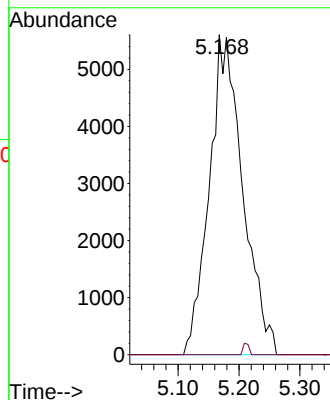
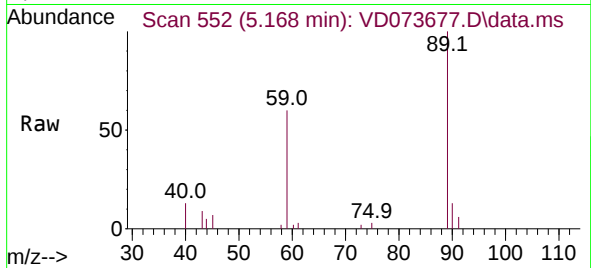




#11
Tert butyl alcohol
Concen: 42.612 ug/l
RT: 5.168 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

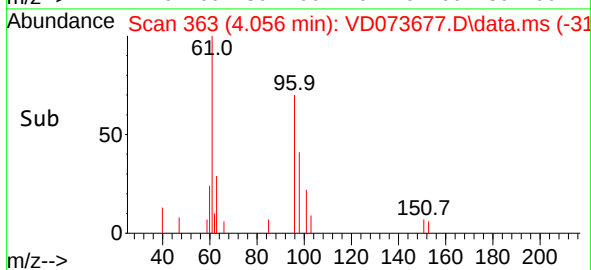
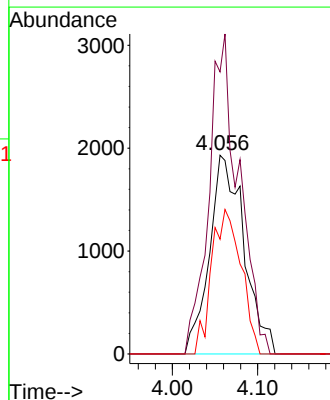
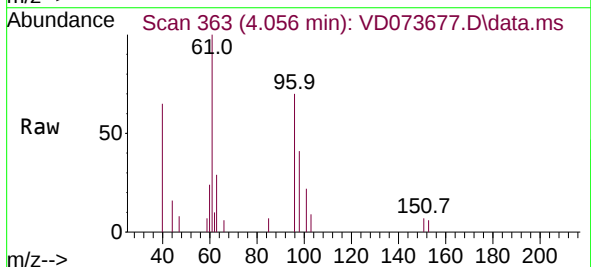
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

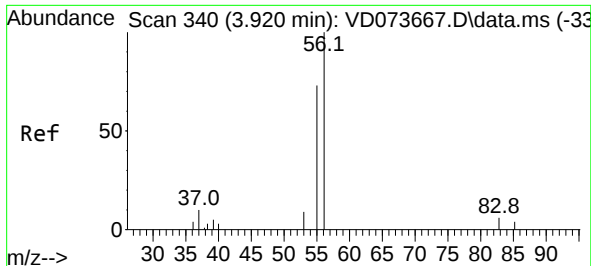
Tgt Ion: 59 Resp: 21439
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 2.887 ug/l
RT: 4.056 min Scan# 363
Delta R.T. -0.012 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 96 Resp: 5465
Ion Ratio Lower Upper
96 100
61 141.9 116.3 174.5
98 57.7 48.7 73.1





#13

Acrolein

Concen: 3.060 ug/l

RT: 3.915 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

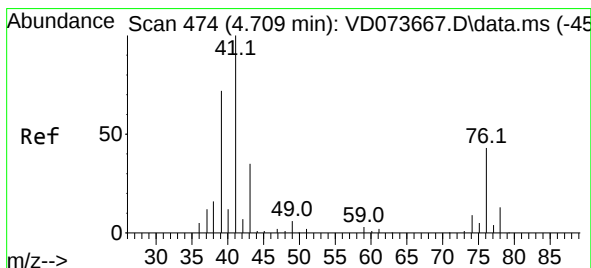
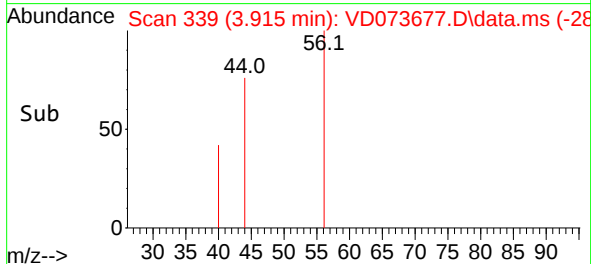
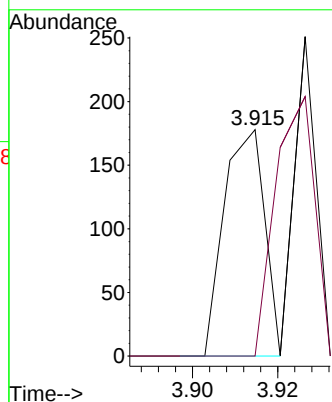
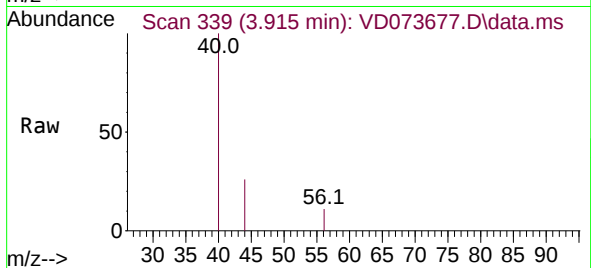
MDL-SOIL-03-QT2-2022

Tgt Ion: 56 Resp: 117

Ion Ratio Lower Upper

56 100

55 111.1 60.3 90.5#



#14

Allyl chloride

Concen: 2.572 ug/l

RT: 4.715 min Scan# 475

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

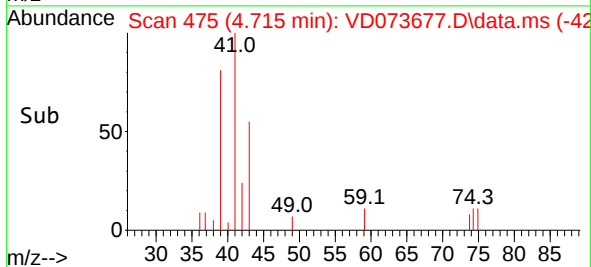
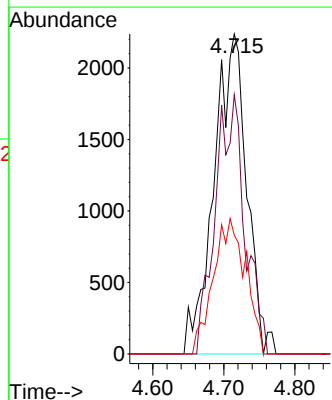
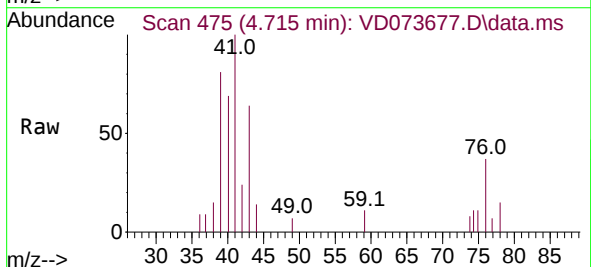
Tgt Ion: 41 Resp: 7178

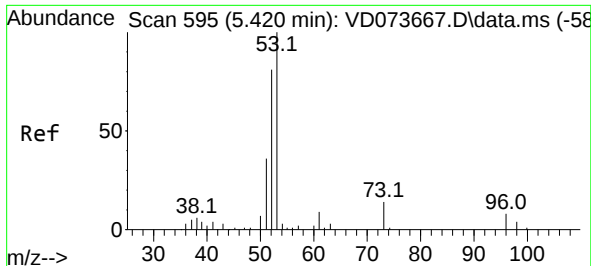
Ion Ratio Lower Upper

41 100

39 72.8 56.6 85.0

76 42.1 32.7 49.1

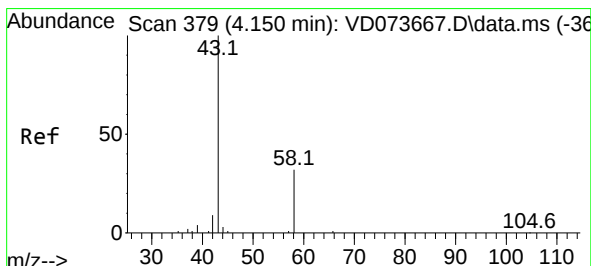
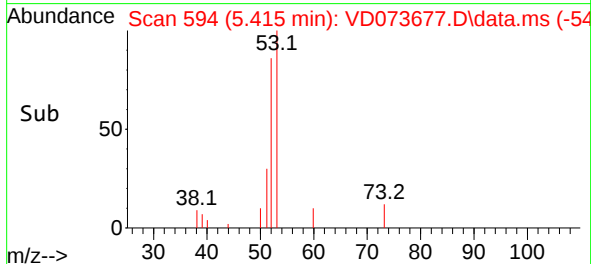
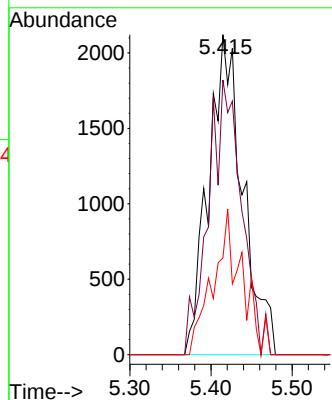
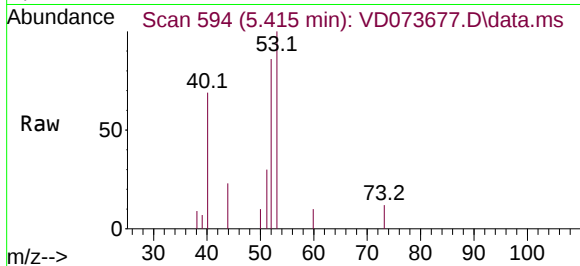




#15
Acrylonitrile
Concen: 13.047 ug/l
RT: 5.415 min Scan# 594
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

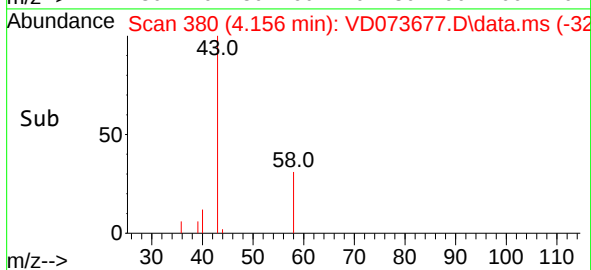
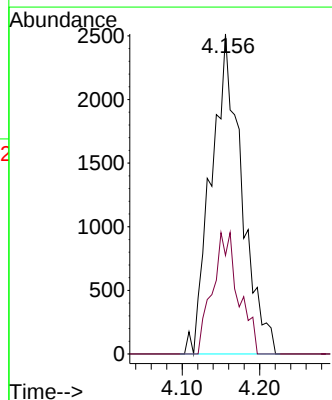
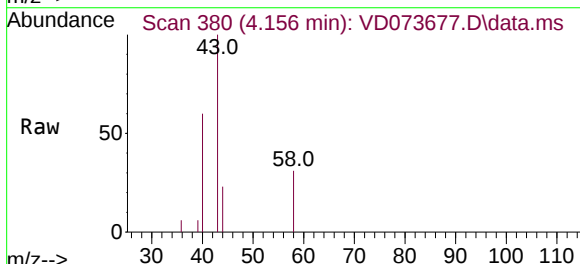
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

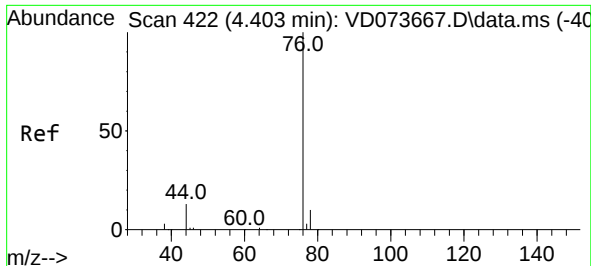
Tgt Ion:	53	Resp:	6216
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.7	30.2	45.2



#16
Acetone
Concen: 17.202 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:	43	Resp:	6875
Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.2	37.8





#17

Carbon Disulfide

Concen: 2.640 ug/l

RT: 4.409 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

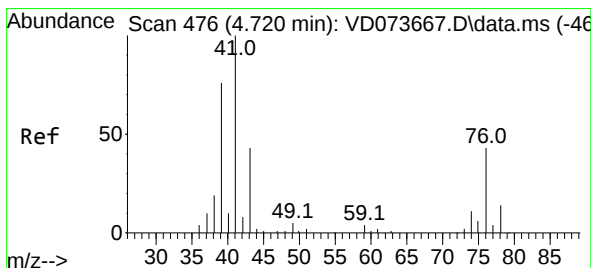
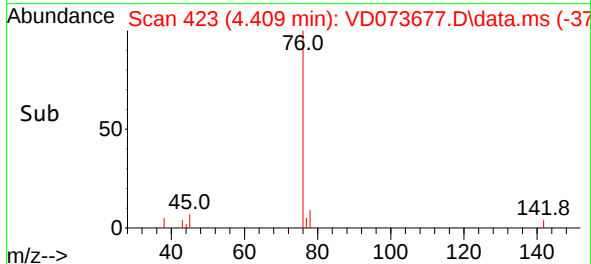
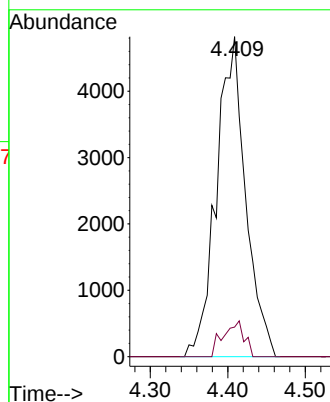
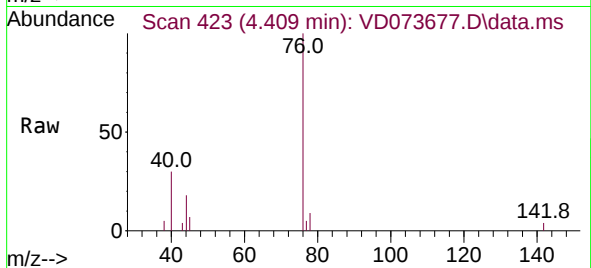
MDL-SOIL-03-QT2-2022

Tgt Ion: 76 Resp: 12612

Ion Ratio Lower Upper

76 100

78 9.2 7.7 11.5



#18

Methyl Acetate

Concen: 3.740 ug/l

RT: 4.721 min Scan# 476

Delta R.T. 0.000 min

Lab File: VD073677.D

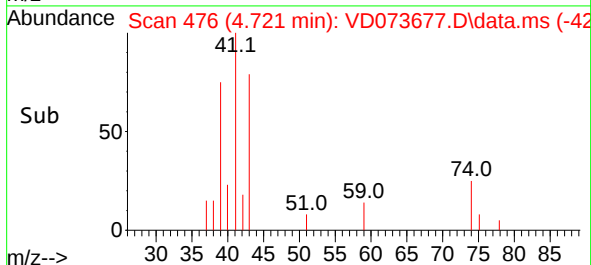
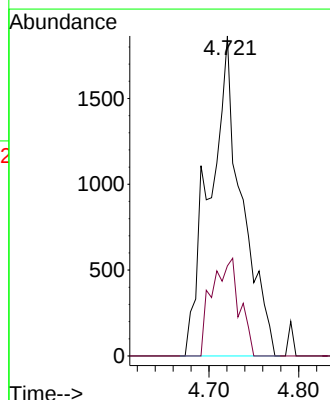
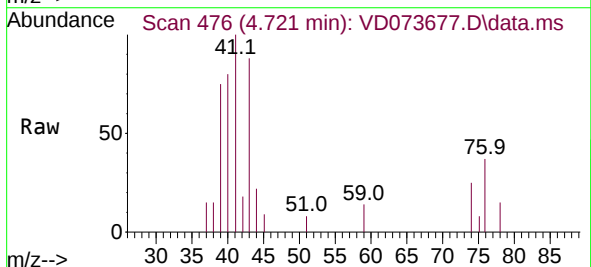
Acq: 23 Jun 2022 20:39

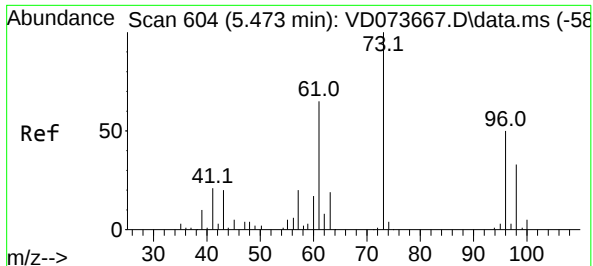
Tgt Ion: 43 Resp: 4611

Ion Ratio Lower Upper

43 100

74 26.4 20.2 30.4





#19

Methyl tert-butyl Ether

Concen: 2.487 ug/l

RT: 5.479 min Scan# 604

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

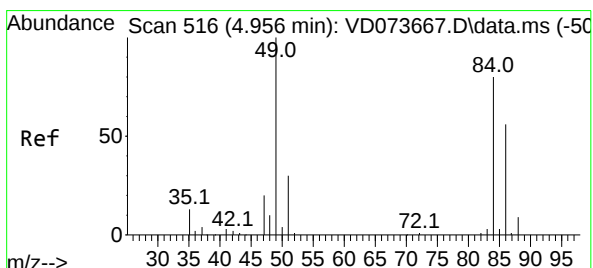
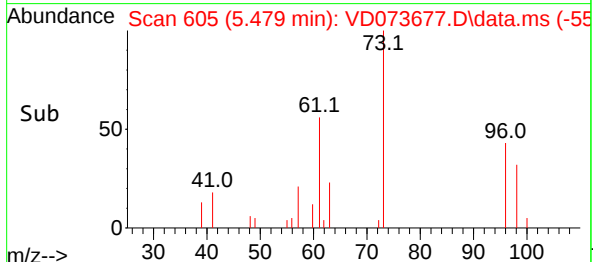
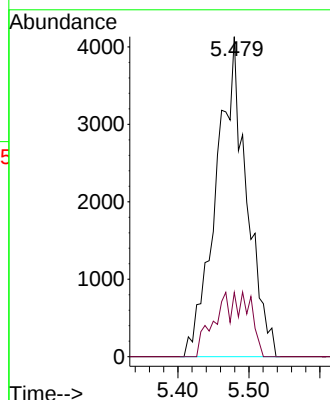
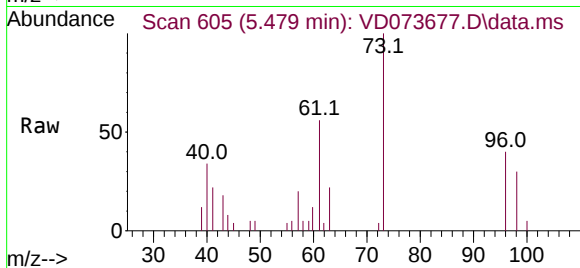
MDL-SOIL-03-QT2-2022

Tgt Ion: 73 Resp: 12263

Ion Ratio Lower Upper

73 100

57 20.0 16.3 24.5



#20

Methylene Chloride

Concen: 5.452 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Tgt Ion: 84 Resp: 15847

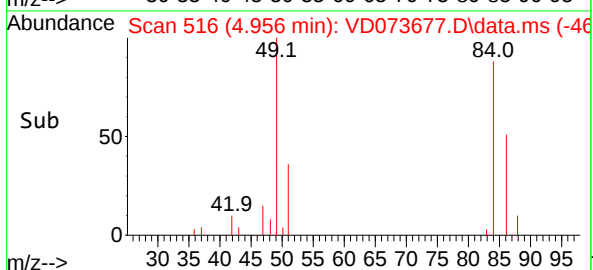
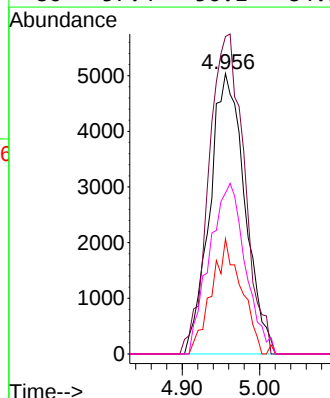
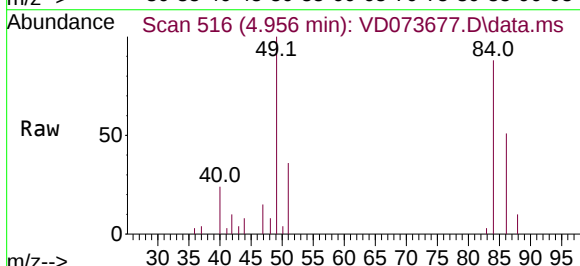
Ion Ratio Lower Upper

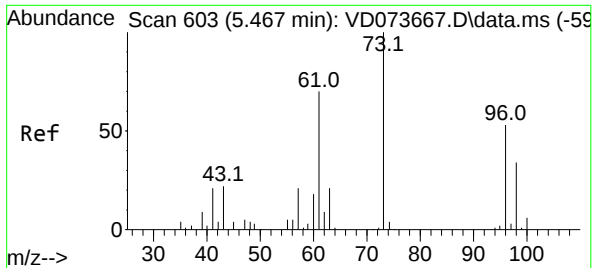
84 100

49 113.2 100.6 150.8

51 41.1 29.8 44.6

86 57.4 56.1 84.1

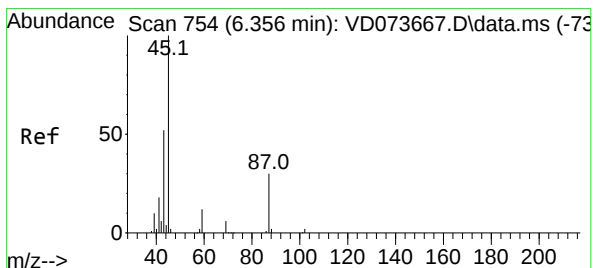
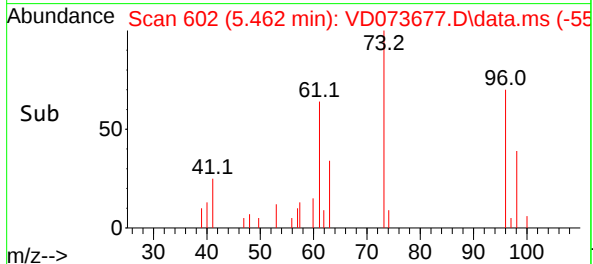
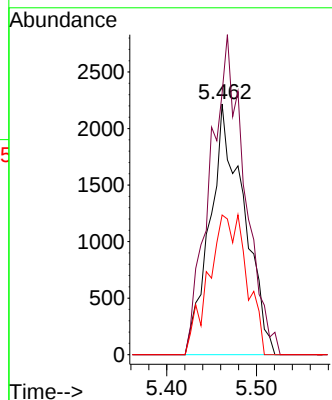
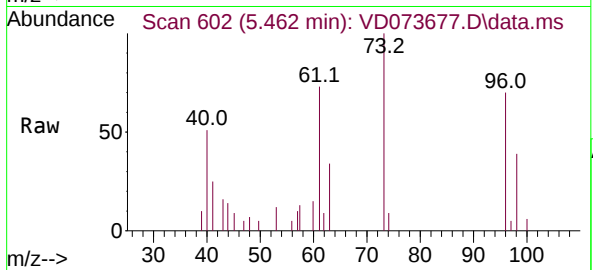




#21
trans-1,2-Dichloroethene
Concen: 2.589 ug/l
RT: 5.462 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

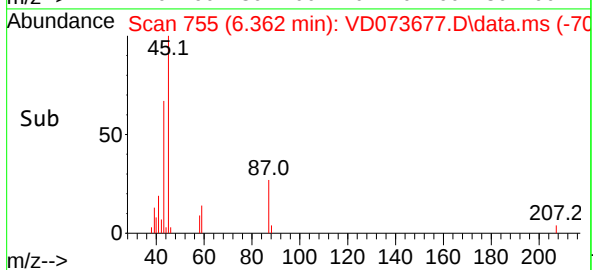
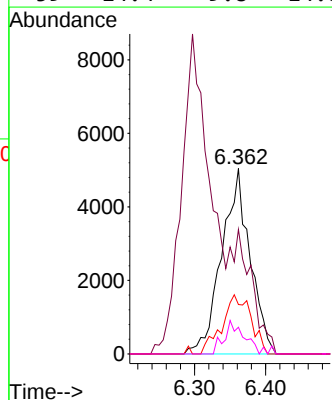
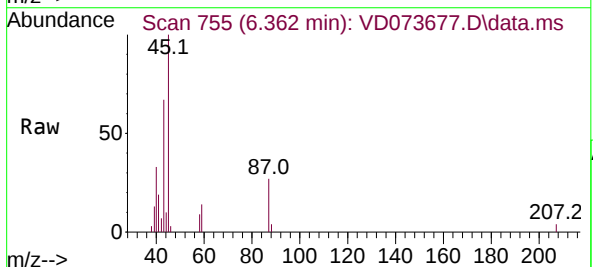
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

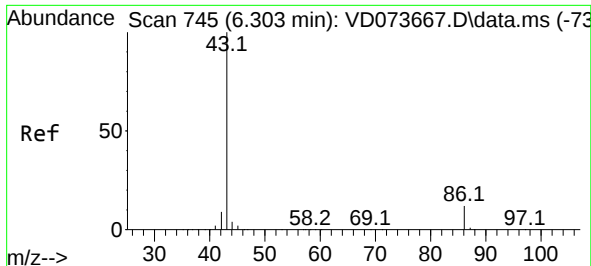
Tgt Ion: 96 Resp: 5831
Ion Ratio Lower Upper
96 100
61 104.3 105.0 157.6#
98 55.7 50.6 75.8



#22
Diisopropyl ether
Concen: 2.229 ug/l
RT: 6.362 min Scan# 755
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 45 Resp: 13970
Ion Ratio Lower Upper
45 100
43 67.1 42.1 63.1#
87 26.6 24.2 36.4
59 14.4 9.8 14.8

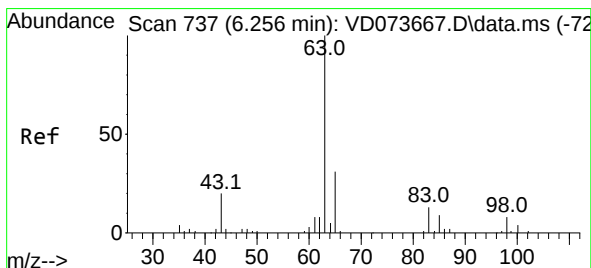
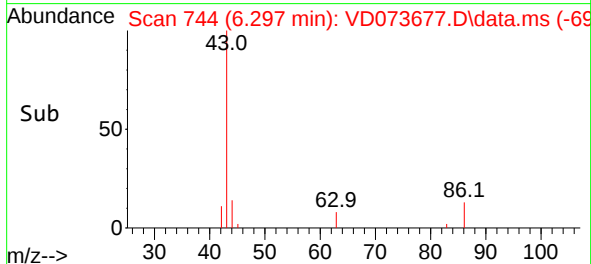
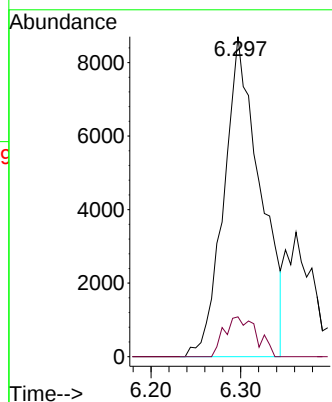
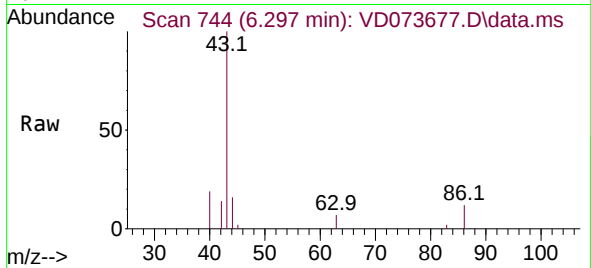




#23
 Vinyl Acetate
 Concen: 7.437 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

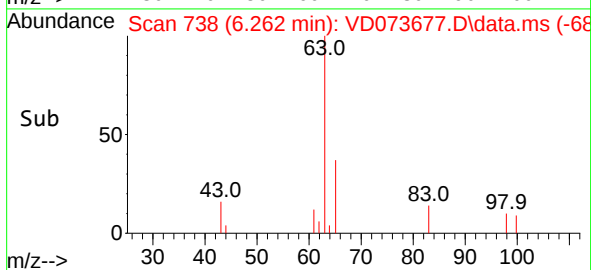
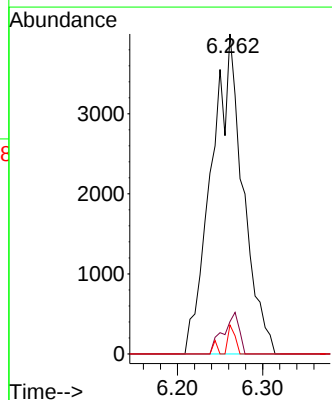
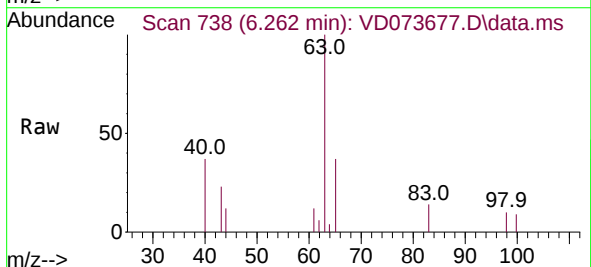
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

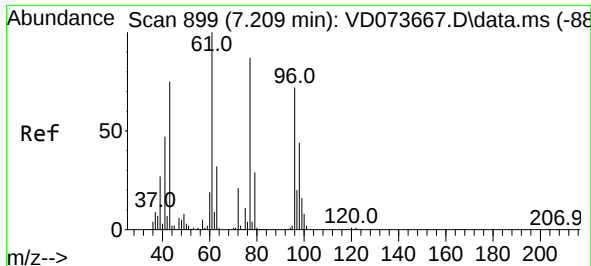
Tgt Ion: 43 Resp: 24433
 Ion Ratio Lower Upper
 43 100
 86 12.4 9.7 14.5



#24
 1,1-Dichloroethane
 Concen: 2.478 ug/l
 RT: 6.262 min Scan# 738
 Delta R.T. 0.006 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

Tgt Ion: 63 Resp: 10343
 Ion Ratio Lower Upper
 63 100
 98 10.1 4.0 12.2
 100 9.0 2.1 6.5#

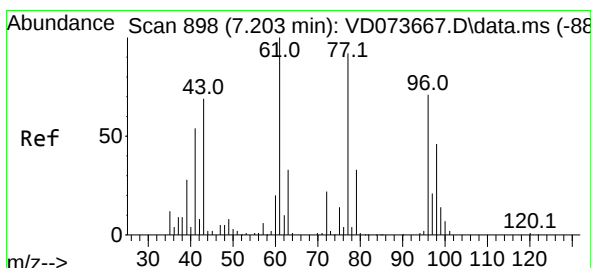
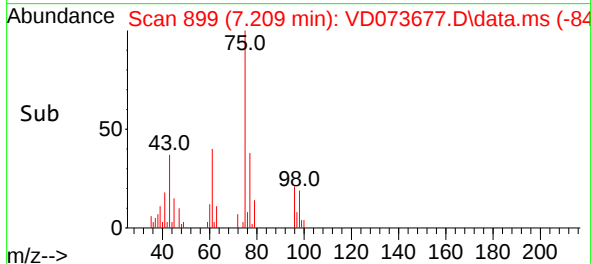
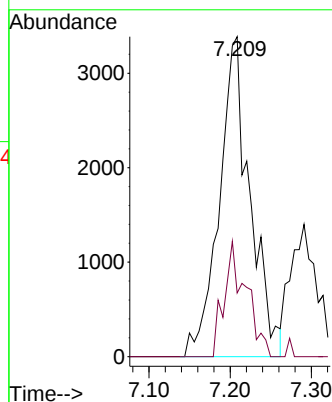
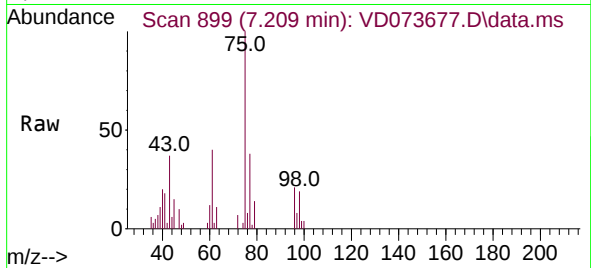




#25
2-Butanone
Concen: 15.627 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

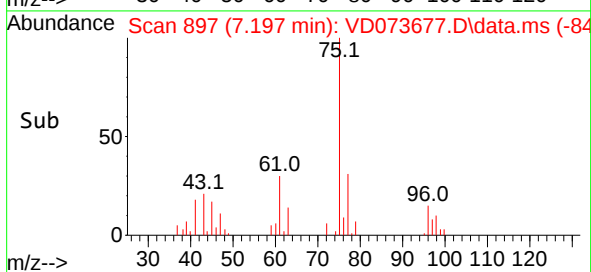
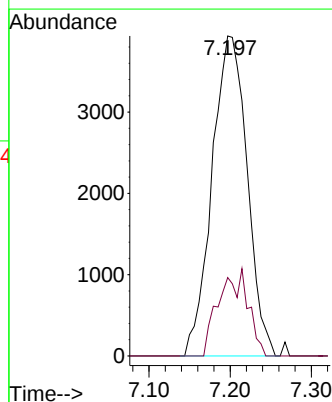
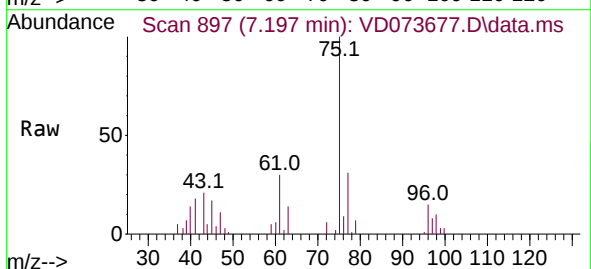
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

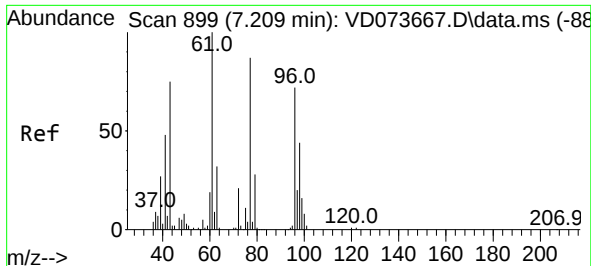
Tgt Ion: 43 Resp: 8911
Ion Ratio Lower Upper
43 100
72 19.9 22.6 33.8#



#26
2,2-Dichloropropane
Concen: 3.010 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 77 Resp: 11833
Ion Ratio Lower Upper
77 100
97 22.6 11.2 33.6

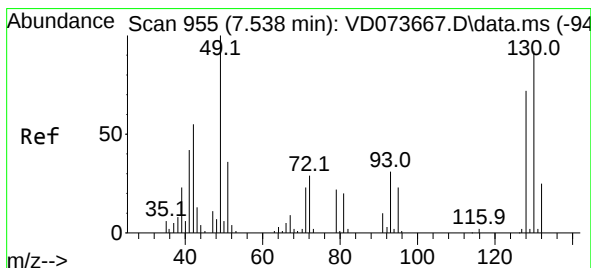
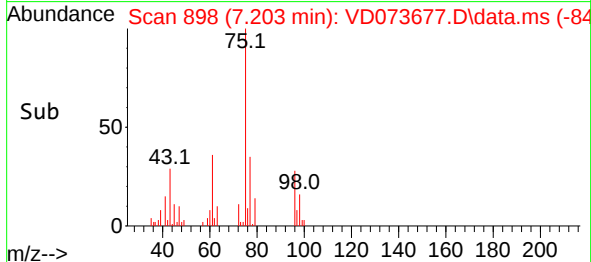
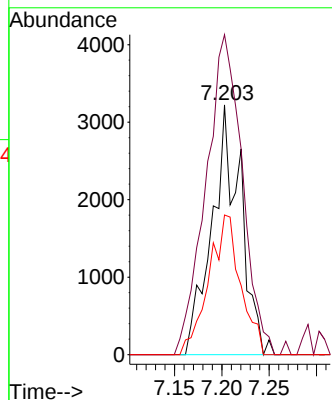
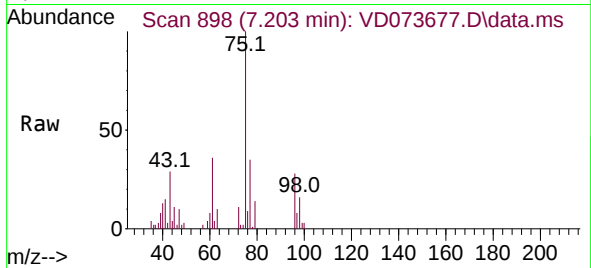




#27
 cis-1,2-Dichloroethene
 Concen: 2.567 ug/l
 RT: 7.203 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

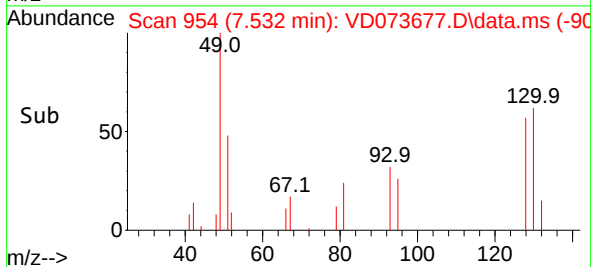
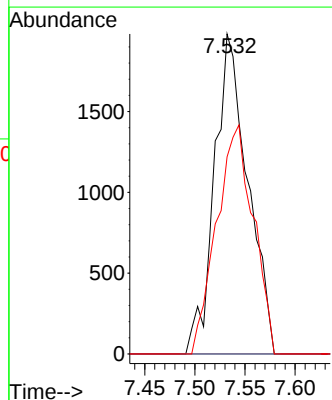
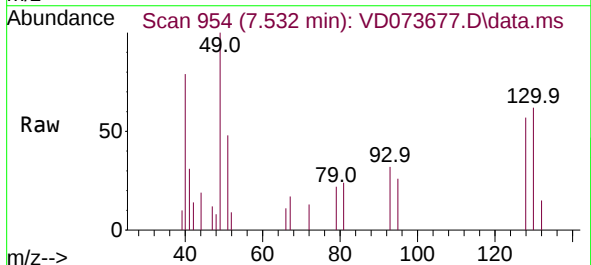
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

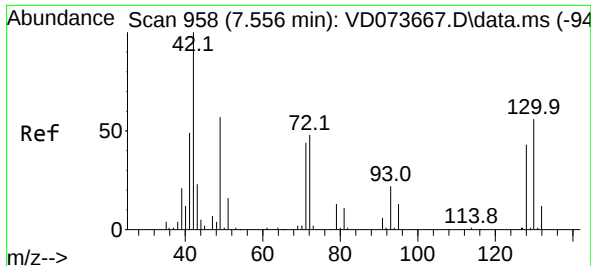
Tgt Ion: 96	Resp: 6798		
Ion Ratio	Lower	Upper	
96	100		
61	162.1	0.0	276.0
98	61.9	0.0	128.0



#28
 Bromochloromethane
 Concen: 3.117 ug/l
 RT: 7.532 min Scan# 954
 Delta R.T. -0.006 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

Tgt Ion: 49	Resp: 4591		
Ion Ratio	Lower	Upper	
49 100			
129 0.0	0.0	5.0	
130 78.7	73.2	109.8	





#29

Tetrahydrofuran

Concen: 11.784 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

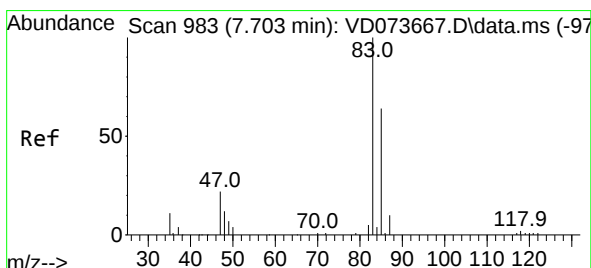
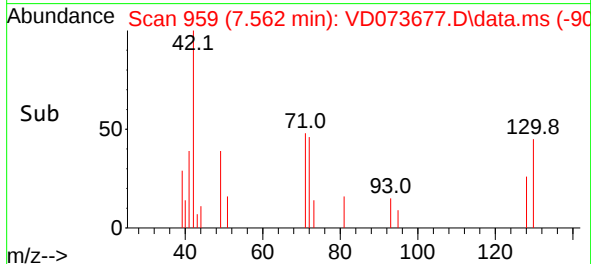
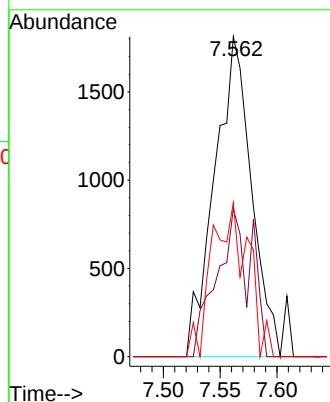
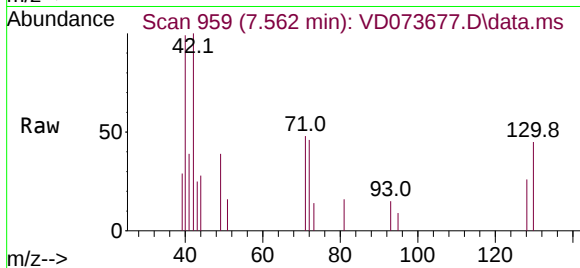
Tgt Ion: 42 Resp: 4085

Ion Ratio Lower Upper

42 100

72 42.9 37.8 56.6

71 23.2 35.5 53.3#



#30

Chloroform

Concen: 2.573 ug/l

RT: 7.703 min Scan# 983

Delta R.T. 0.000 min

Lab File: VD073677.D

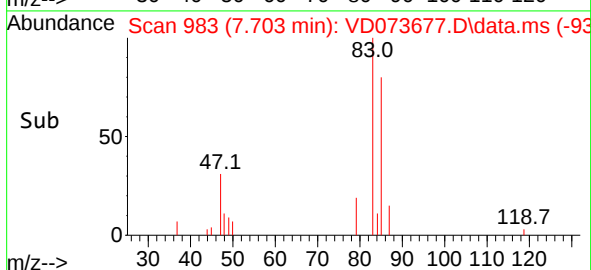
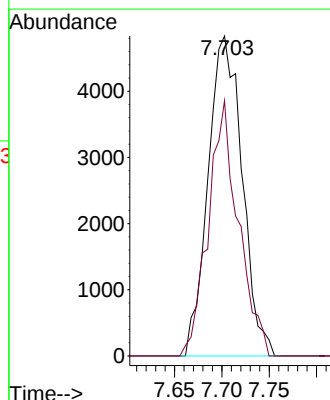
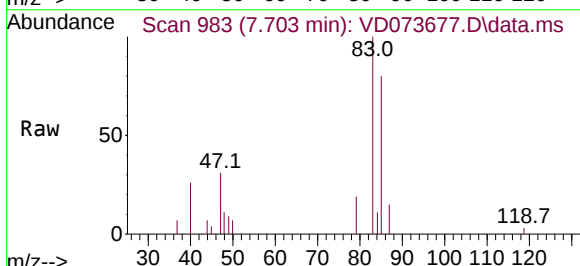
Acq: 23 Jun 2022 20:39

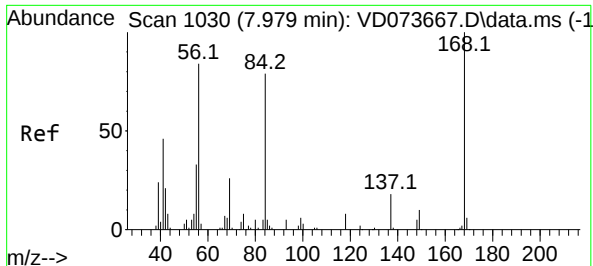
Tgt Ion: 83 Resp: 12086

Ion Ratio Lower Upper

83 100

85 79.8 51.1 76.7#

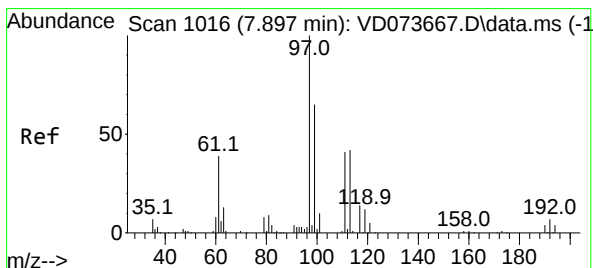
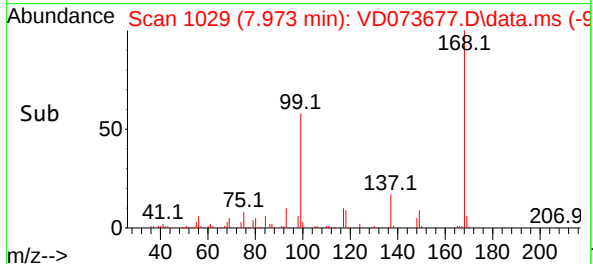
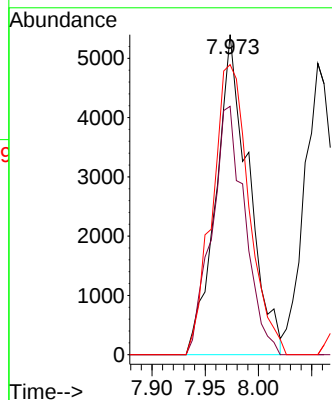
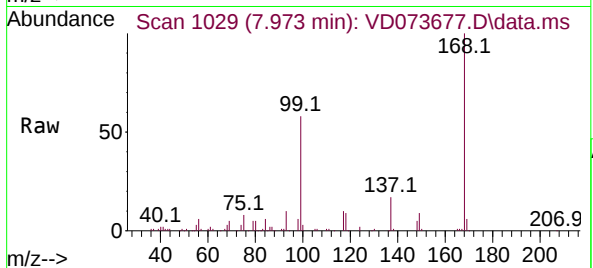




#31
Cyclohexane
Concen: 3.396 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

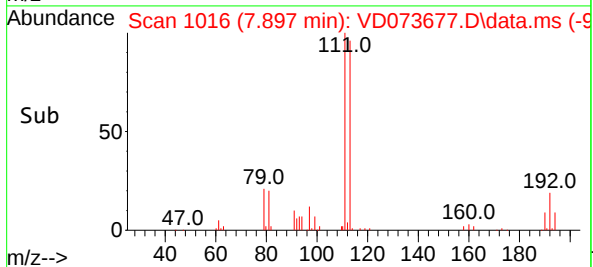
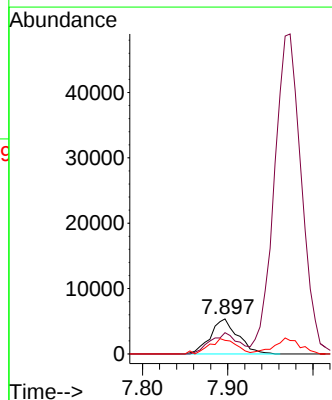
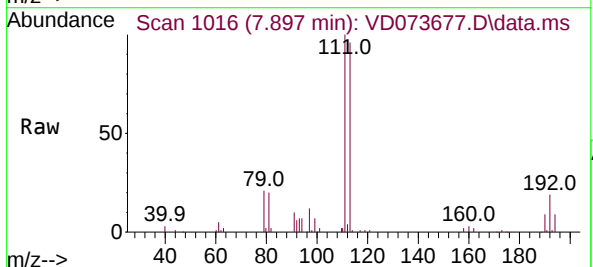
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

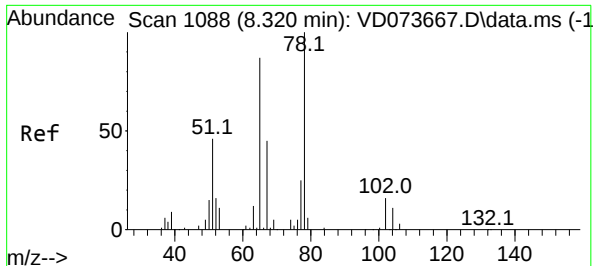
Tgt Ion: 56 Resp: 11529
Ion Ratio Lower Upper
56 100
69 77.6 25.2 37.8#
84 90.7 75.4 113.2



#32
1,1,1-Trichloroethane
Concen: 2.839 ug/l
RT: 7.897 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 97 Resp: 11979
Ion Ratio Lower Upper
97 100
99 63.0 51.2 76.8
61 42.5 33.4 50.0





#33

1,2-Dichloroethane-d4

Concen: 51.910 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

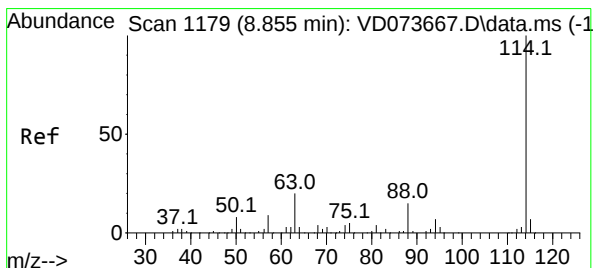
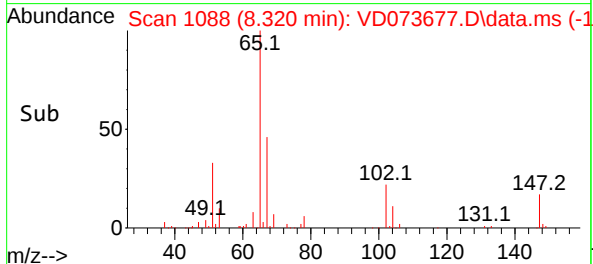
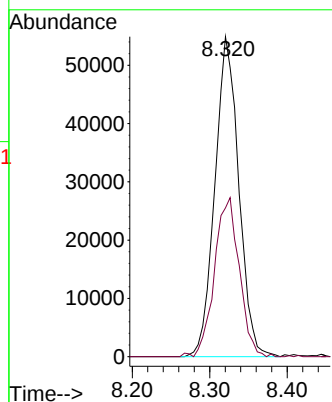
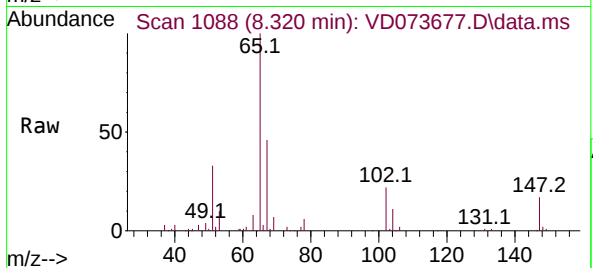
MDL-SOIL-03-QT2-2022

Tgt Ion: 65 Resp: 117458

Ion Ratio Lower Upper

65 100

67 51.6 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

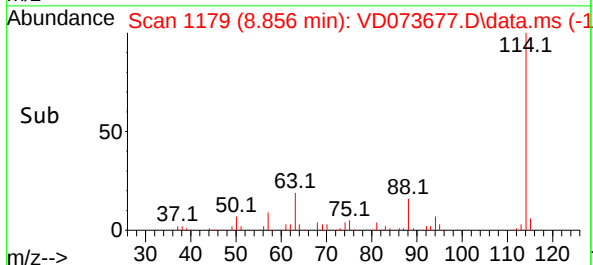
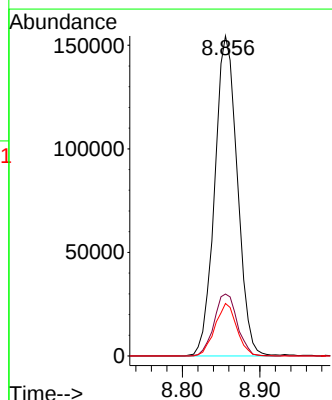
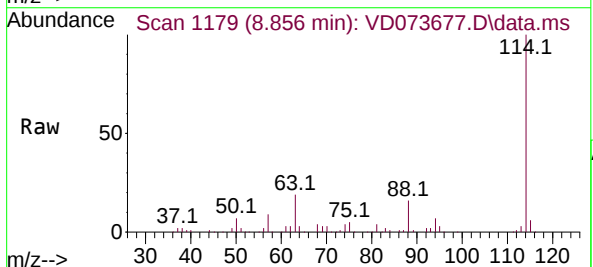
Tgt Ion: 114 Resp: 313047

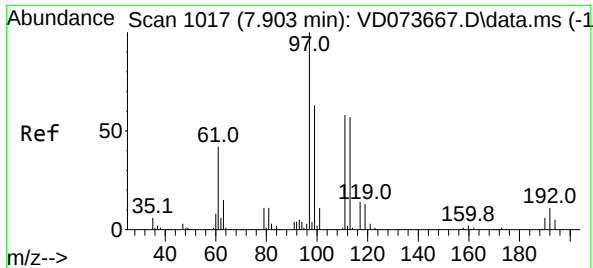
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.2

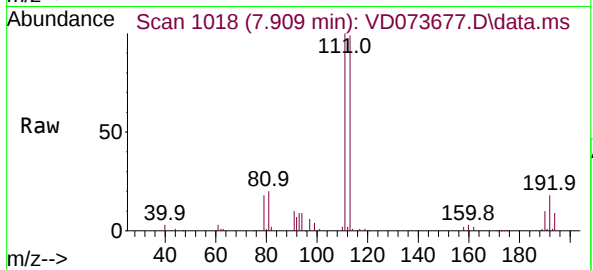
88 16.4 0.0 29.4



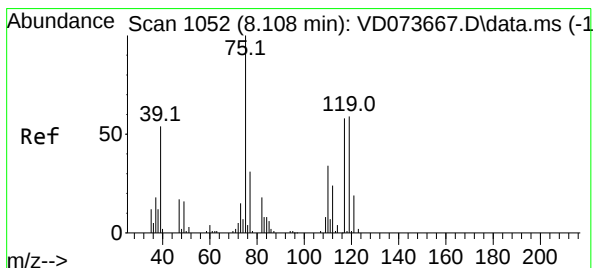
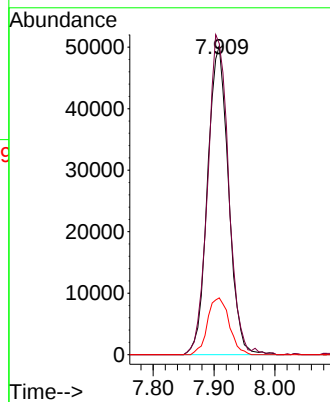
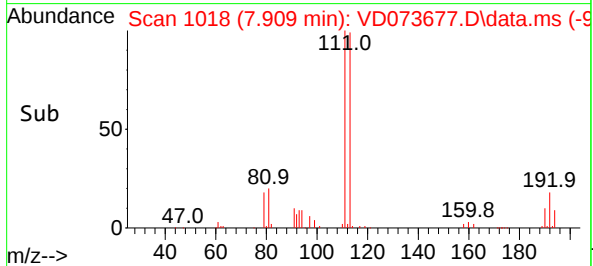


#35
Dibromofluoromethane
Concen: 49.194 ug/l
RT: 7.909 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

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

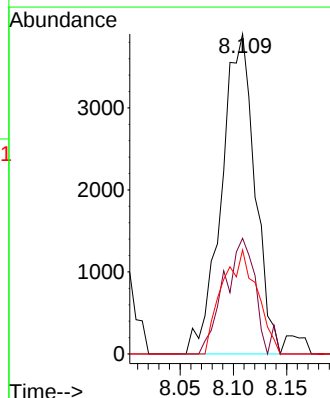
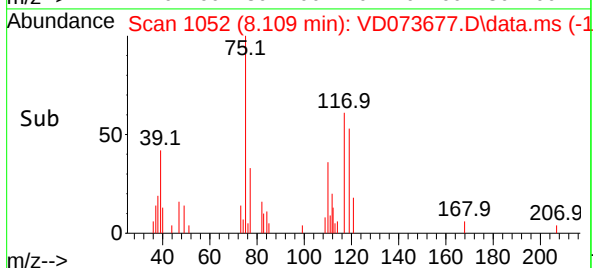
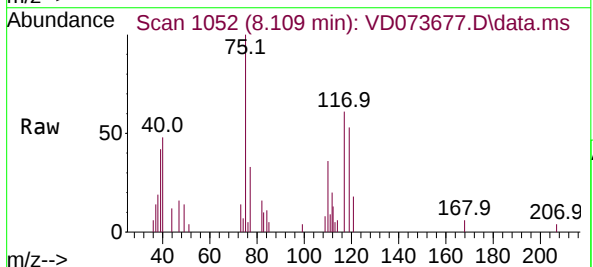


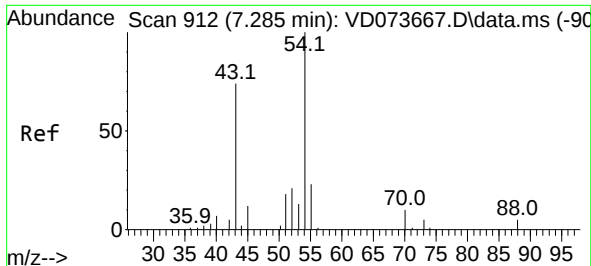
Tgt Ion:113 Resp: 119966
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.6
192 19.0 14.8 22.2



#36
1,1-Dichloropropene
Concen: 2.485 ug/l
RT: 8.109 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 75 Resp: 8507
Ion Ratio Lower Upper
75 100
110 32.8 18.0 54.0
77 34.0 25.6 38.4





#37

Ethyl Acetate

Concen: 2.325 ug/l

RT: 7.291 min Scan# 912

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

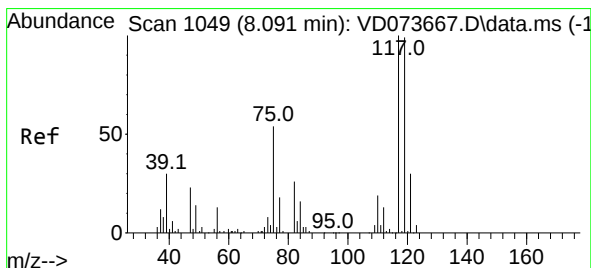
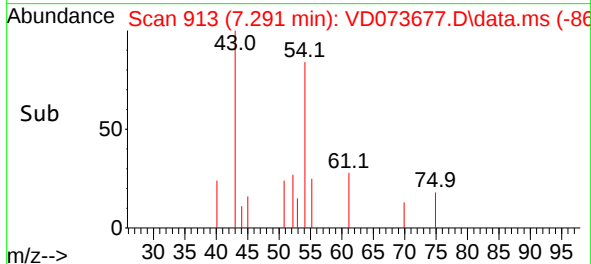
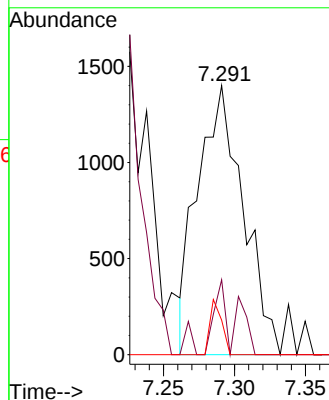
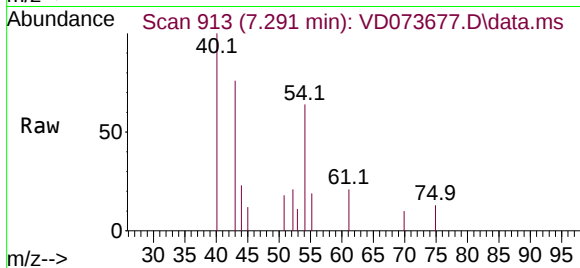
Tgt Ion: 43 Resp: 3124

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 5.3 9.9 14.9#



#38

Carbon Tetrachloride

Concen: 2.624 ug/l

RT: 8.091 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

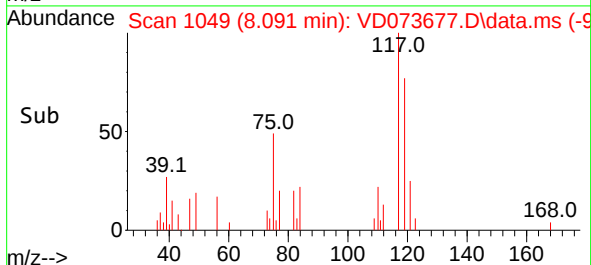
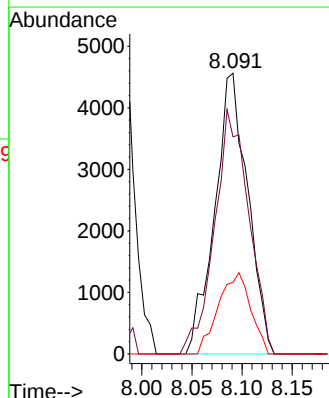
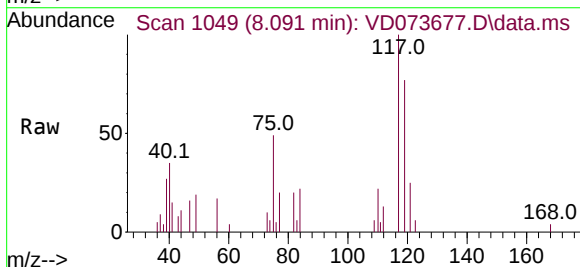
Tgt Ion: 117 Resp: 10457

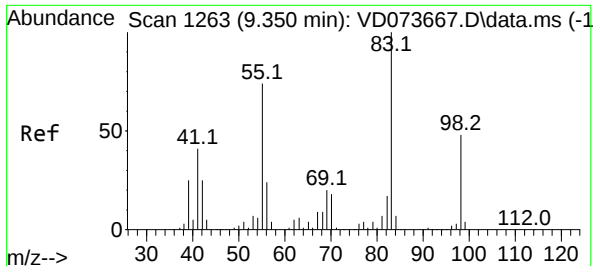
Ion Ratio Lower Upper

117 100

119 77.3 79.2 118.8#

121 25.5 23.8 35.8





#39

Methylcyclohexane

Concen: 2.343 ug/l

RT: 9.350 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

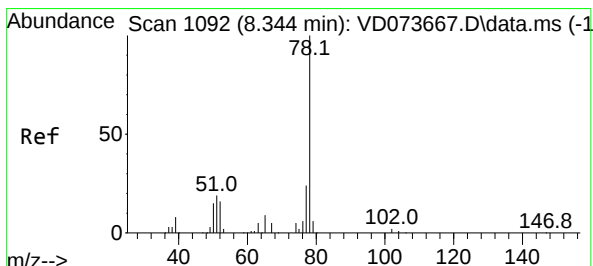
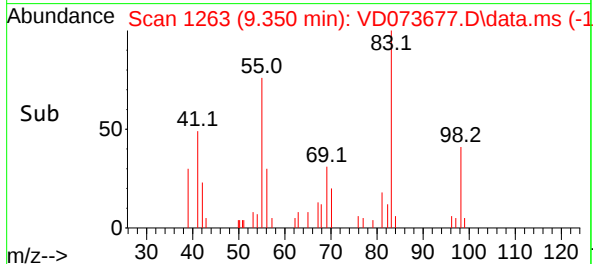
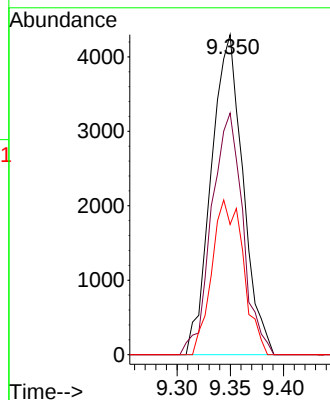
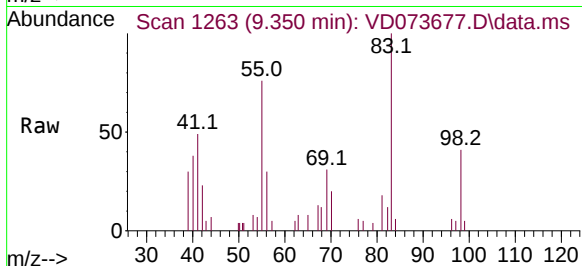
Tgt Ion: 83 Resp: 8904

Ion Ratio Lower Upper

83 100

55 75.5 59.0 88.4

98 40.7 38.3 57.5



#40

Benzene

Concen: 2.474 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD073677.D

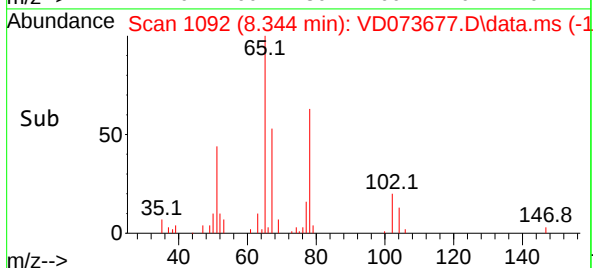
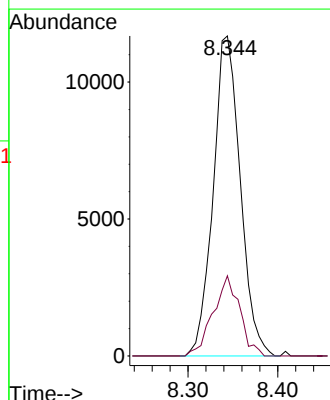
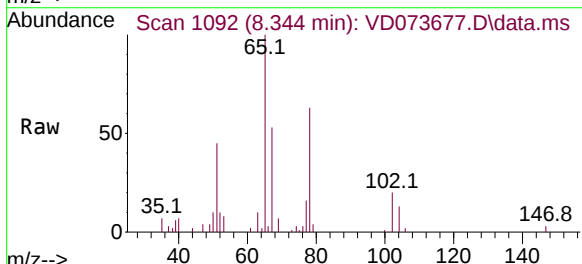
Acq: 23 Jun 2022 20:39

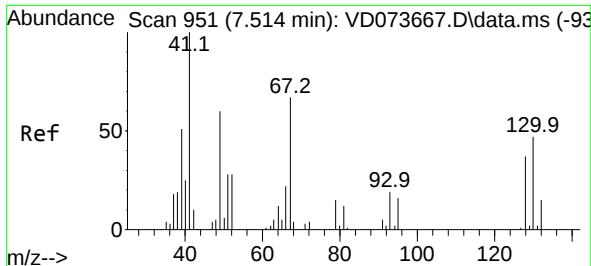
Tgt Ion: 78 Resp: 24514

Ion Ratio Lower Upper

78 100

77 25.0 19.0 28.4

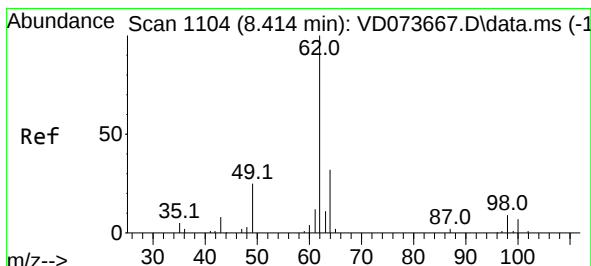
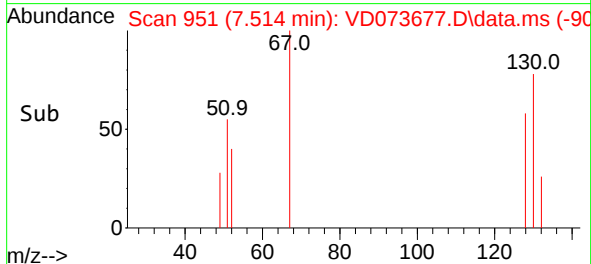
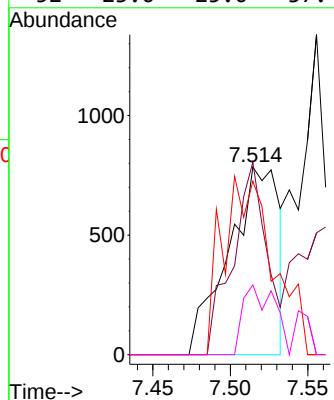
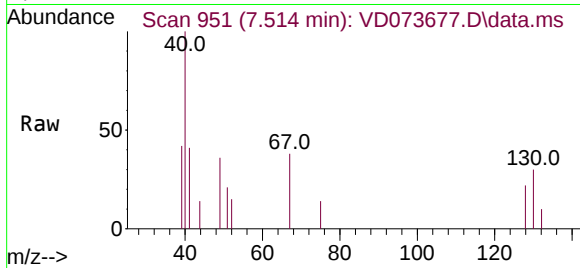




#41
Methacrylonitrile
Concen: 2.188 ug/l
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

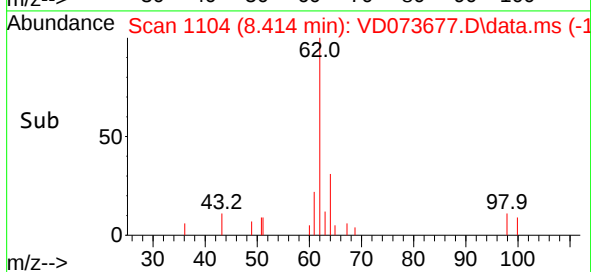
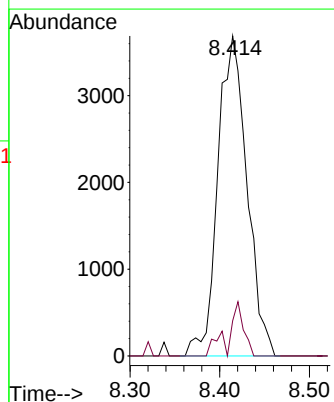
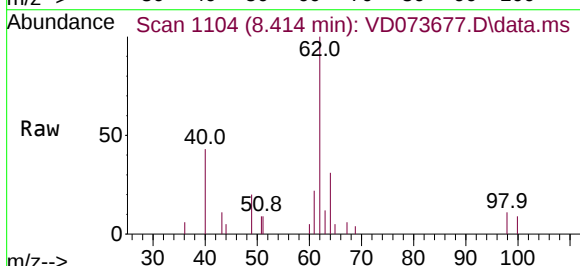
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

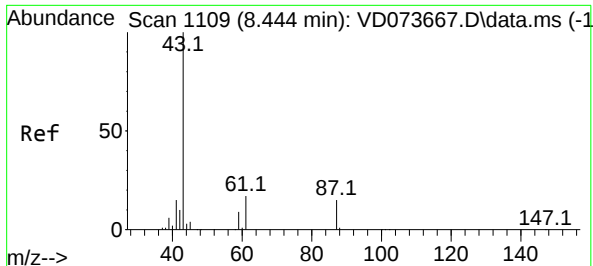
Tgt Ion: 41 Resp: 1775
Ion Ratio Lower Upper
41 100
39 69.7 42.1 63.1#
67 95.3 58.6 87.8#
52 23.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 2.789 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 62 Resp: 8328
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 2.466 ug/l

RT: 8.438 min Scan# 1108

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

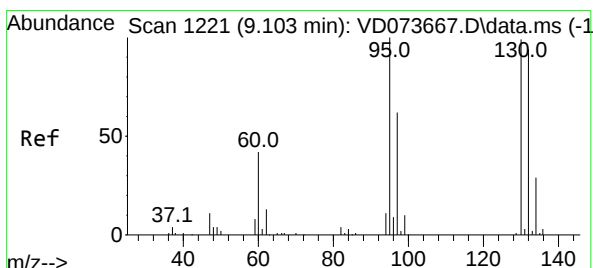
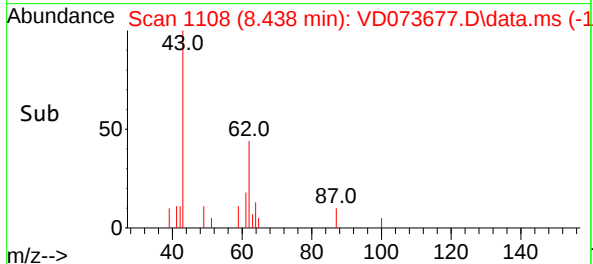
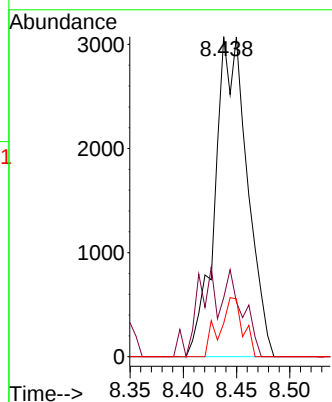
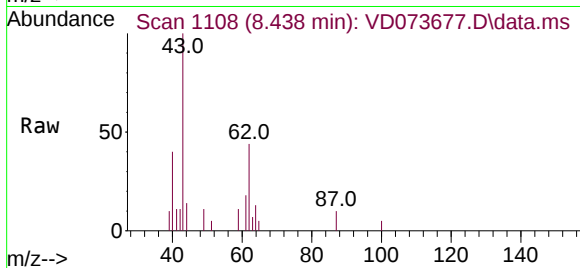
Tgt Ion: 43 Resp: 6501

Ion Ratio Lower Upper

43 100

61 16.3 25.4 38.0#

87 13.3 11.9 17.9



#44

Trichloroethene

Concen: 2.372 ug/l

RT: 9.103 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VD073677.D

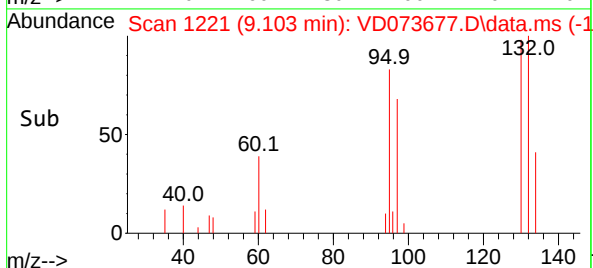
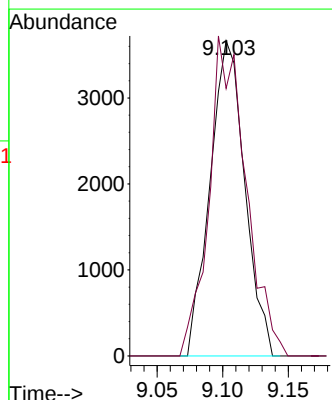
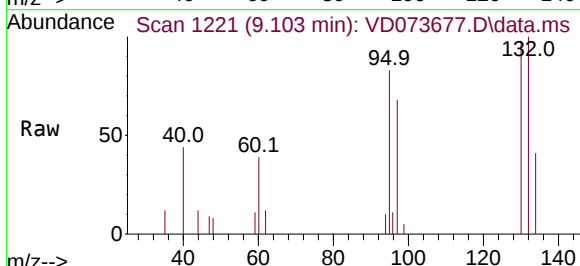
Acq: 23 Jun 2022 20:39

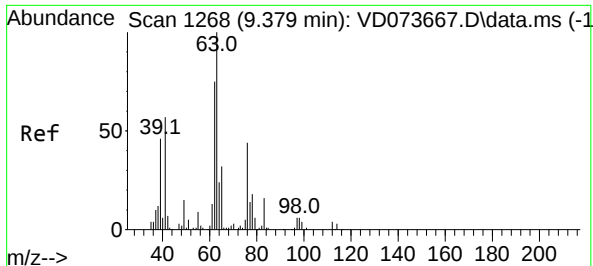
Tgt Ion:130 Resp: 6752

Ion Ratio Lower Upper

130 100

95 84.9 0.0 202.8





#45

1,2-Dichloropropane

Concen: 2.376 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

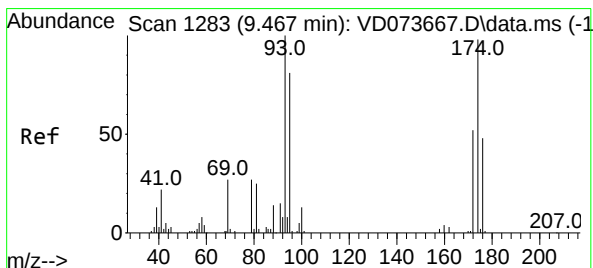
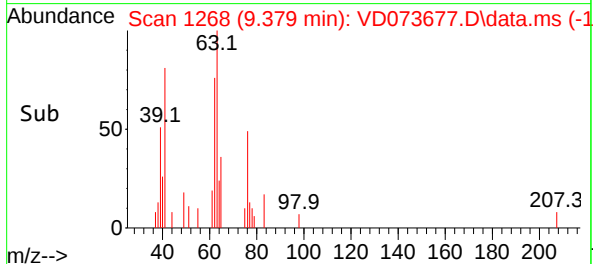
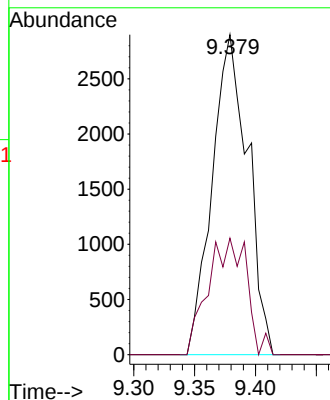
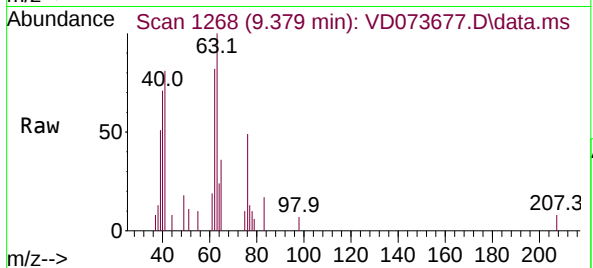
MDL-SOIL-03-QT2-2022

Tgt Ion: 63 Resp: 5904

Ion Ratio Lower Upper

63 100

65 36.4 25.5 38.3



#46

Dibromomethane

Concen: 2.436 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

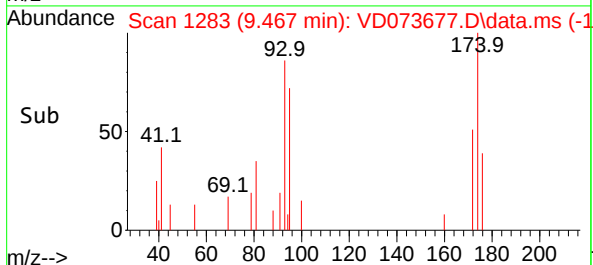
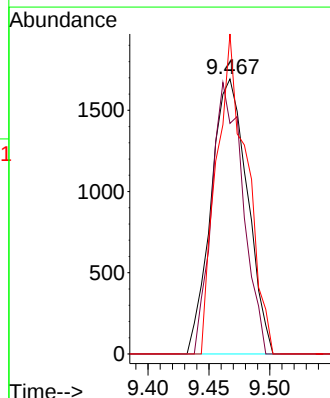
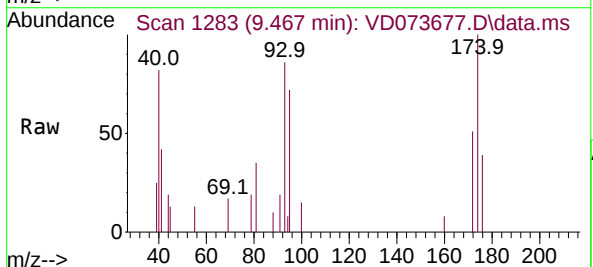
Tgt Ion: 93 Resp: 3514

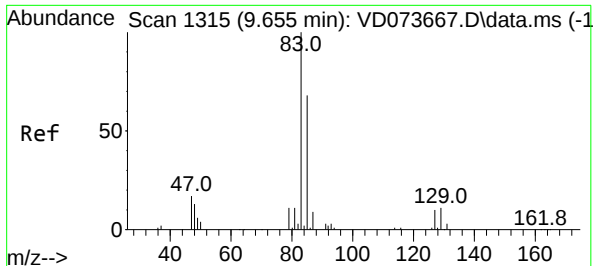
Ion Ratio Lower Upper

93 100

95 84.7 67.8 101.8

174 97.0 82.3 123.5





#47

Bromodichloromethane

Concen: 2.477 ug/l

RT: 9.656 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

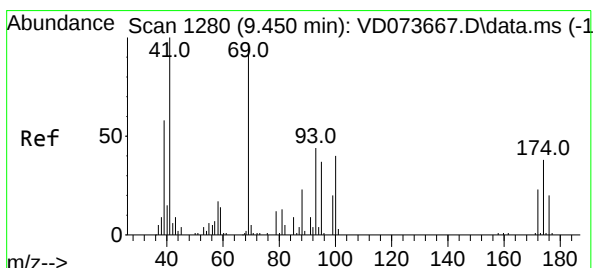
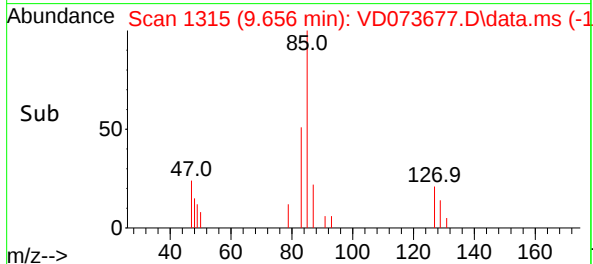
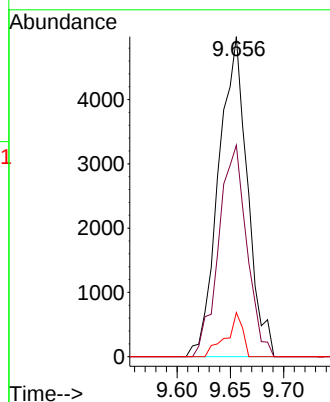
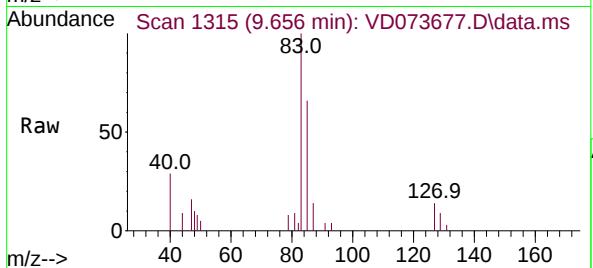
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 83	Resp: 9365
Ion Ratio	Lower Upper
83	100
85	66.1 54.5 81.7
127	13.8 7.7 11.5



#48

Methyl methacrylate

Concen: 2.410 ug/l

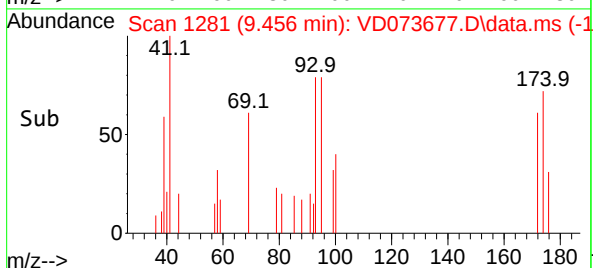
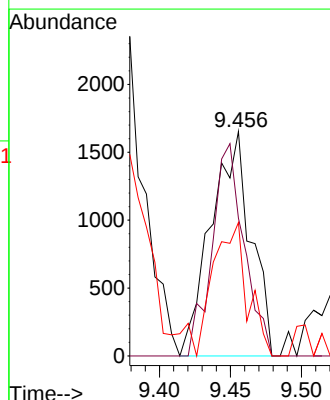
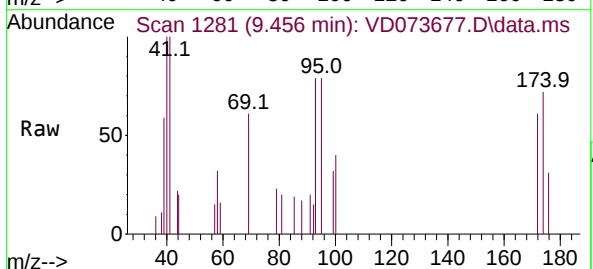
RT: 9.456 min Scan# 1281

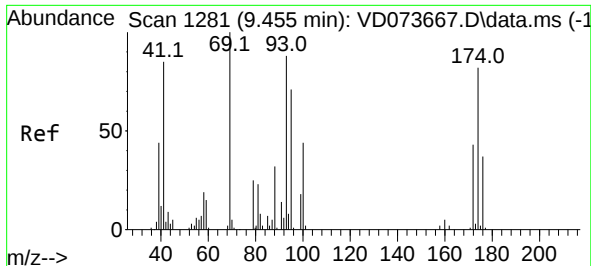
Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Tgt Ion: 41	Resp: 3225
Ion Ratio	Lower Upper
41	100
69	76.1 69.6 104.4
39	50.4 45.5 68.3





#49

1,4-Dioxane

Concen: 38.066 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.012 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

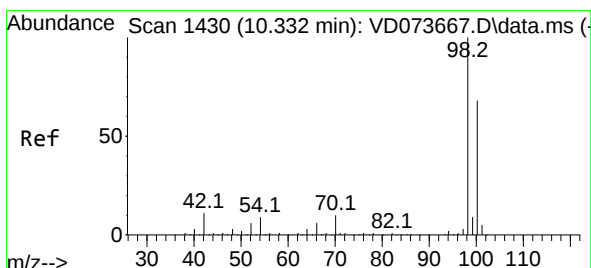
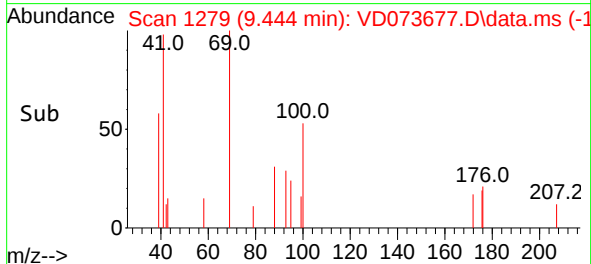
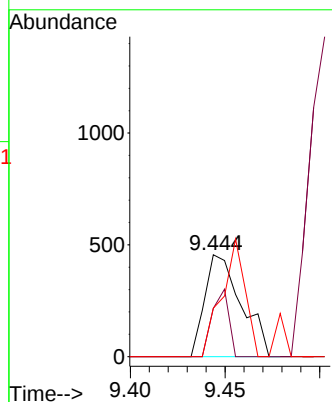
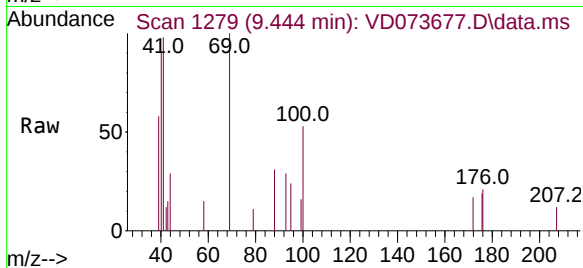
Tgt Ion: 88 Resp: 613

Ion Ratio Lower Upper

88 100

43 29.9 24.5 36.7

58 73.7 54.4 81.6



#50

Toluene-d8

Concen: 45.345 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073677.D

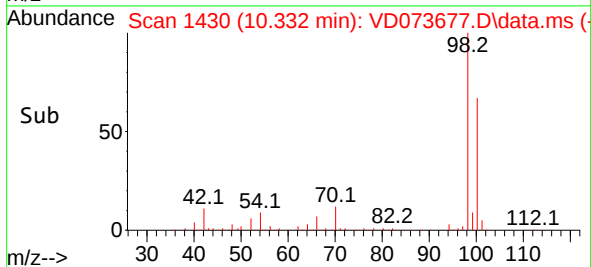
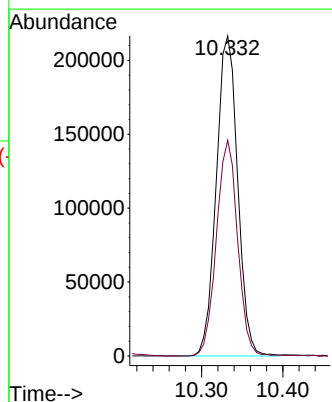
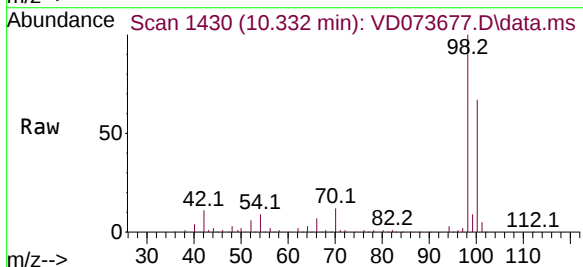
Acq: 23 Jun 2022 20:39

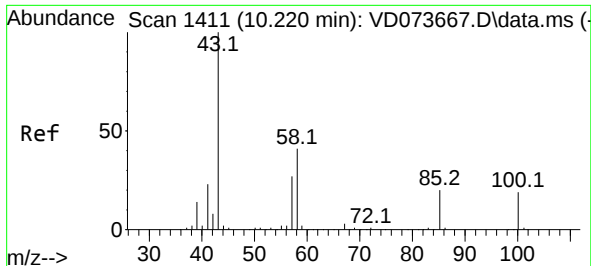
Tgt Ion: 98 Resp: 397046

Ion Ratio Lower Upper

98 100

100 66.8 54.0 81.0

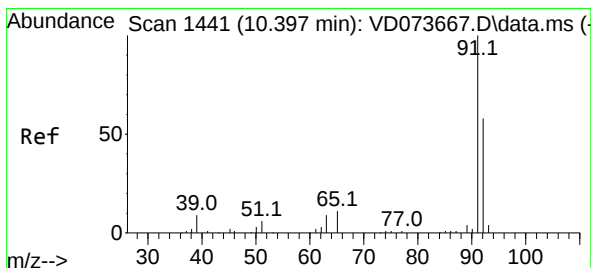
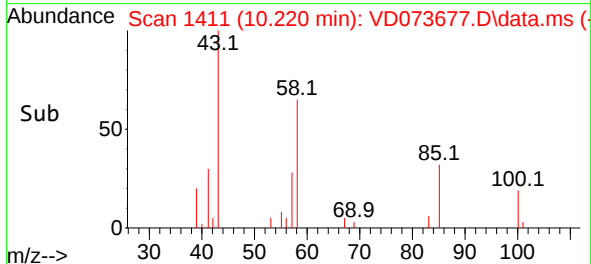
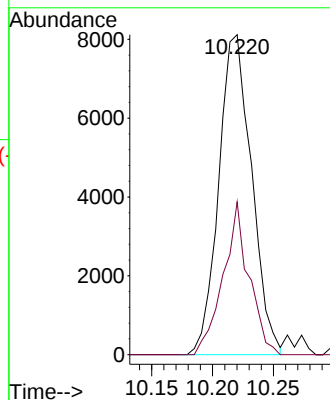
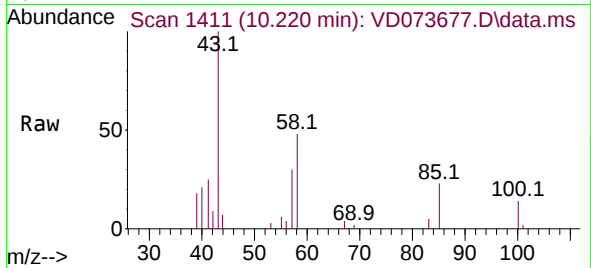




#51
4-Methyl-2-Pentanone
Concen: 11.255 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

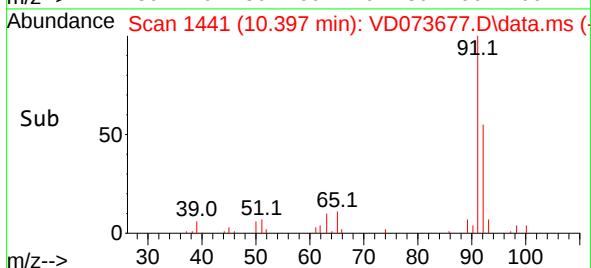
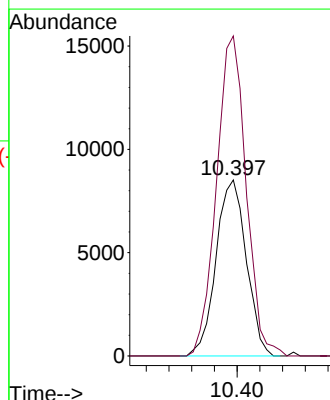
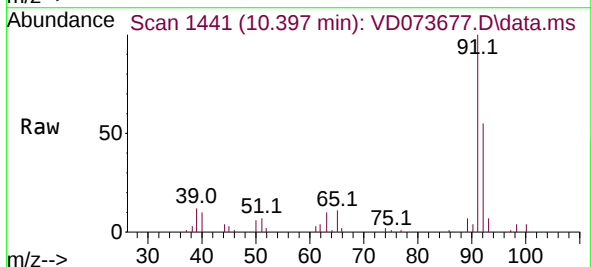
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

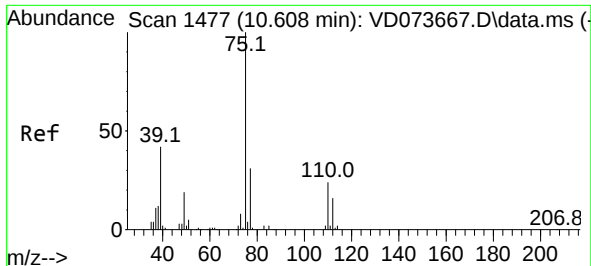
Tgt Ion: 43 Resp: 15248
Ion Ratio Lower Upper
43 100
58 37.5 32.3 48.5



#52
Toluene
Concen: 2.425 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 92 Resp: 15746
Ion Ratio Lower Upper
92 100
91 178.2 136.1 204.1

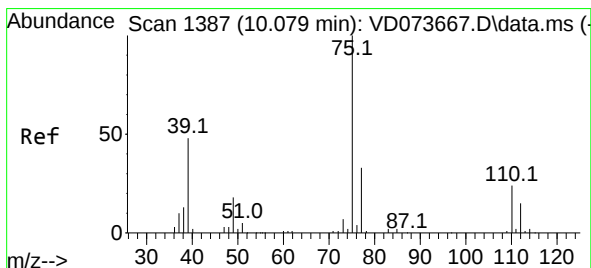
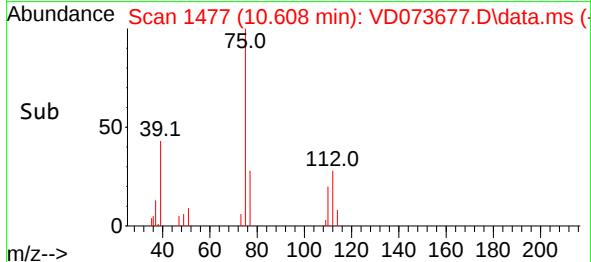
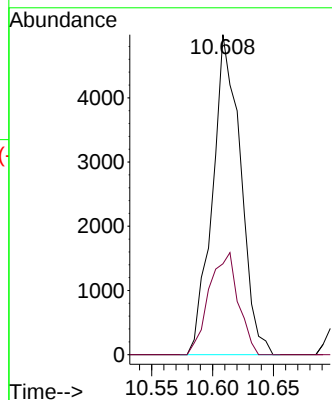
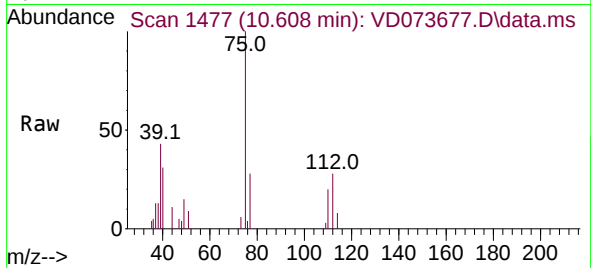




#53
t-1,3-Dichloropropene
Concen: 2.328 ug/l
RT: 10.608 min Scan# 1477
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

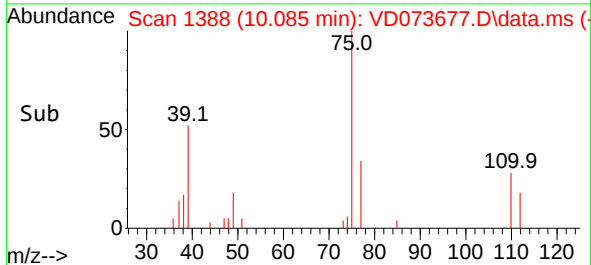
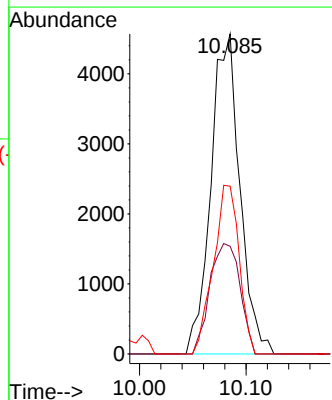
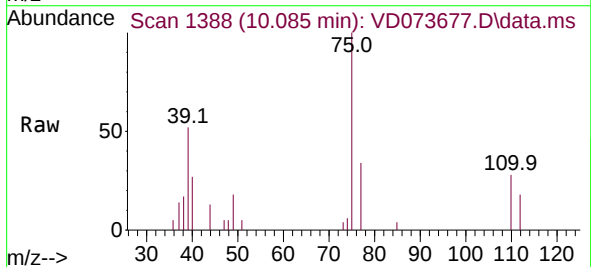
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

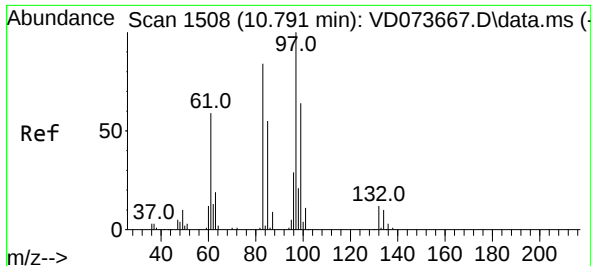
Tgt Ion: 75 Resp: 8006
Ion Ratio Lower Upper
75 100
77 28.4 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 2.201 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 75 Resp: 8618
Ion Ratio Lower Upper
75 100
77 33.6 26.2 39.2
39 52.5 38.0 57.0

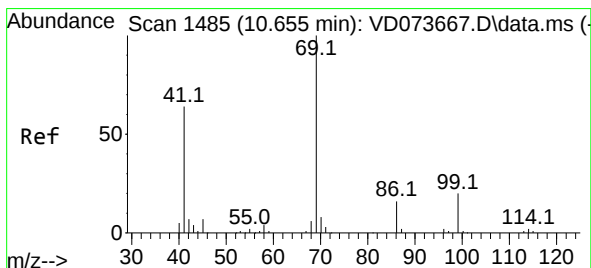
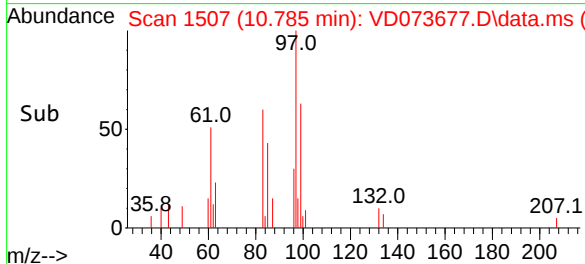
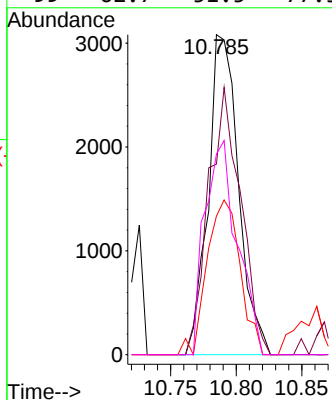
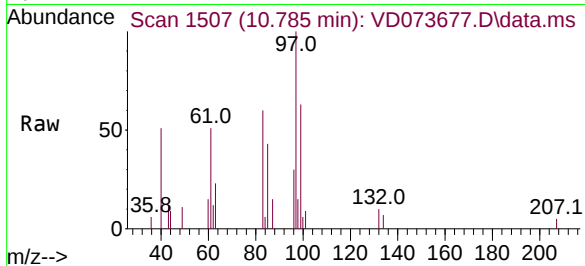




#55
1,1,2-Trichloroethane
Concen: 2.437 ug/l
RT: 10.785 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

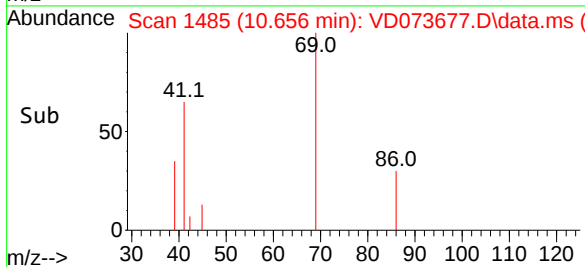
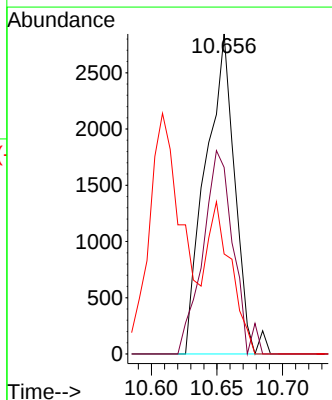
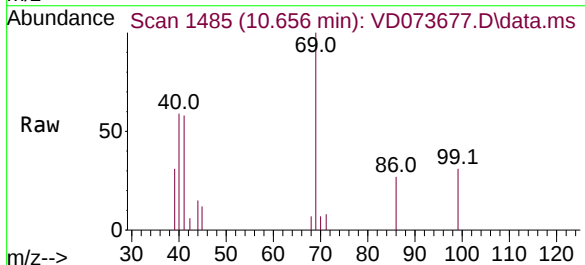
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

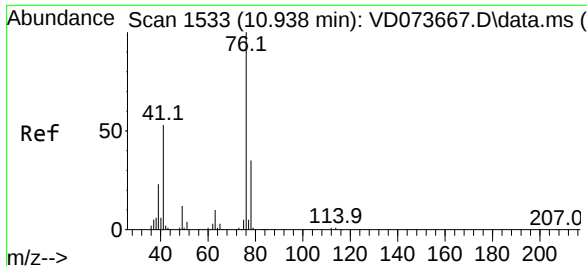
Tgt Ion: 97	Resp: 4955
Ion Ratio	Lower Upper
97 100	
83 59.6	67.1 100.7#
85 43.3	44.0 66.0#
99 62.7	51.5 77.3



#56
Ethyl methacrylate
Concen: 1.925 ug/l
RT: 10.656 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 69	Resp: 4410
Ion Ratio	Lower Upper
69 100	
41 66.2	51.6 77.4
39 37.8	29.2 43.8





#57

1,3-Dichloropropane

Concen: 2.209 ug/l

RT: 10.932 min Scan# 1533

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

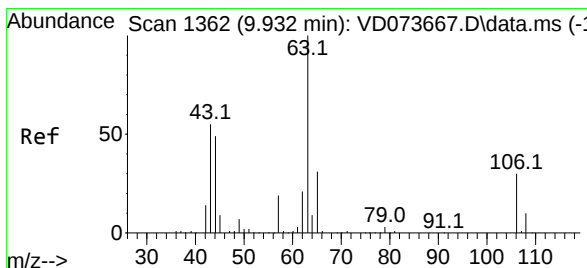
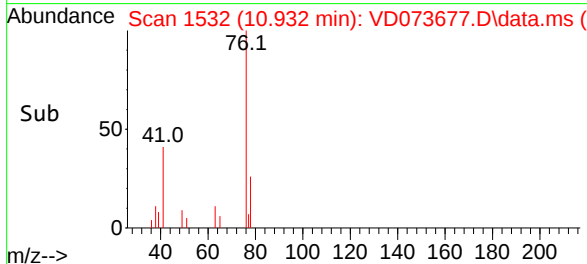
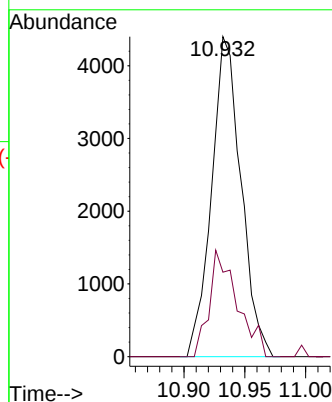
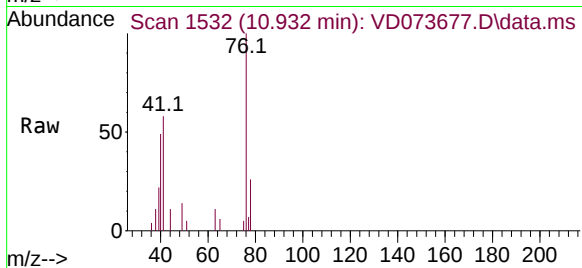
MDL-SOIL-03-QT2-2022

Tgt Ion: 76 Resp: 7406

Ion Ratio Lower Upper

76 100

78 31.7 27.1 40.7



#58

2-Chloroethyl Vinyl ether

Concen: 12.100 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VD073677.D

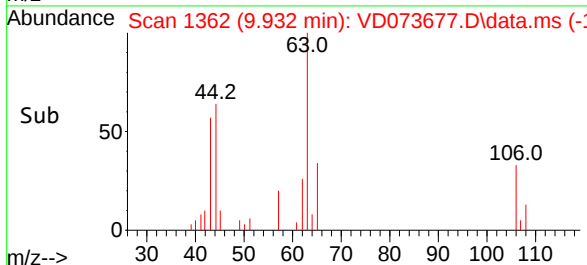
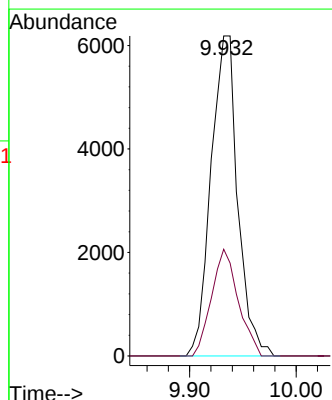
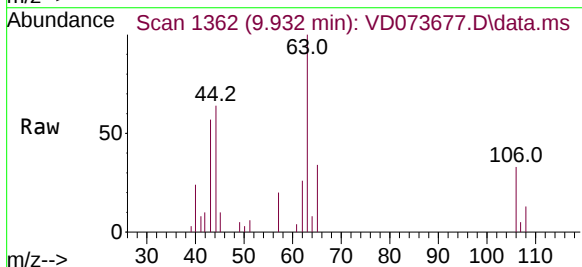
Acq: 23 Jun 2022 20:39

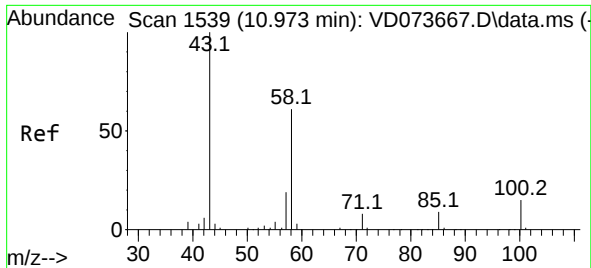
Tgt Ion: 63 Resp: 10760

Ion Ratio Lower Upper

63 100

106 33.3 25.2 37.8

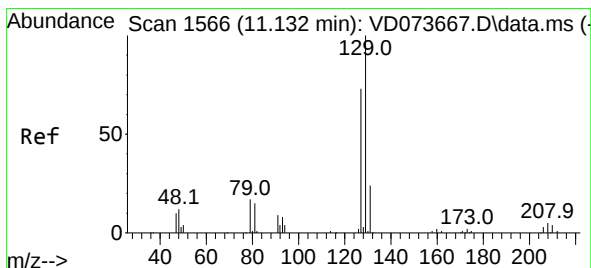
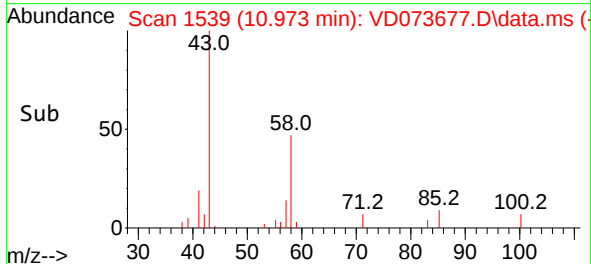
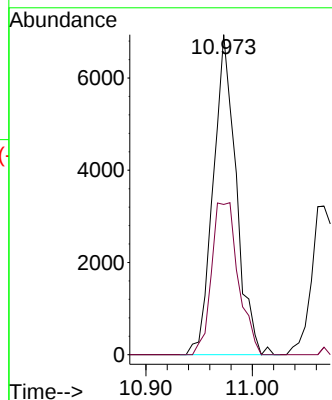
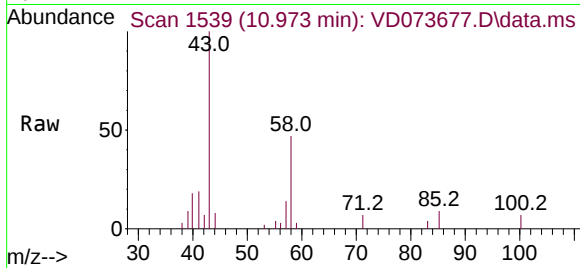




#59
2-Hexanone
Concen: 11.334 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

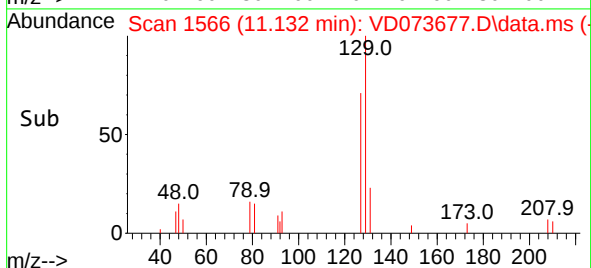
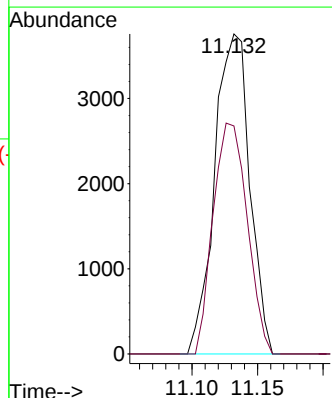
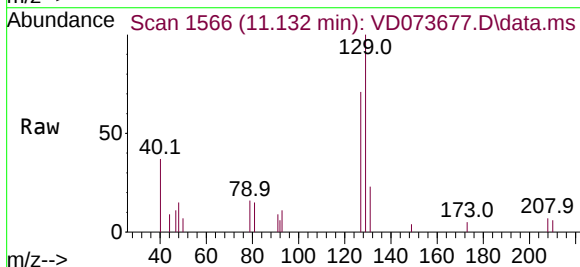
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

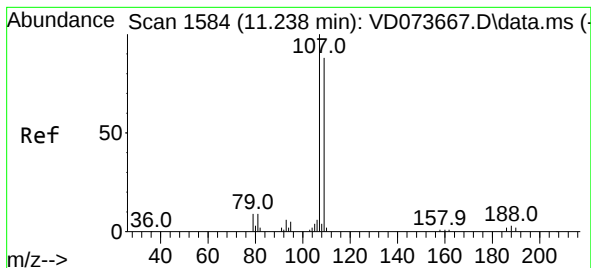
Tgt Ion: 43 Resp: 10367
Ion Ratio Lower Upper
43 100
58 55.5 28.8 86.4



#60
Dibromochloromethane
Concen: 2.609 ug/l
RT: 11.132 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 129 Resp: 6991
Ion Ratio Lower Upper
129 100
127 70.2 36.8 110.4





#61

1,2-Dibromoethane

Concen: 2.672 ug/l

RT: 11.238 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

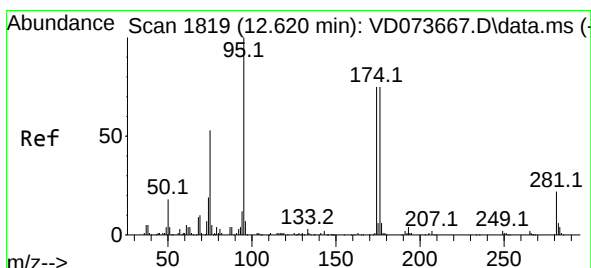
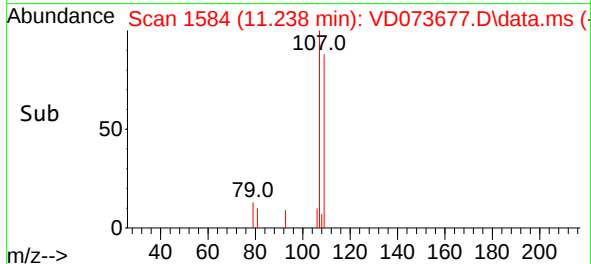
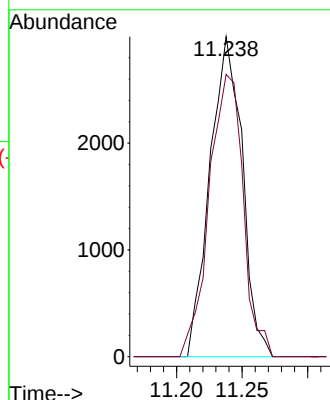
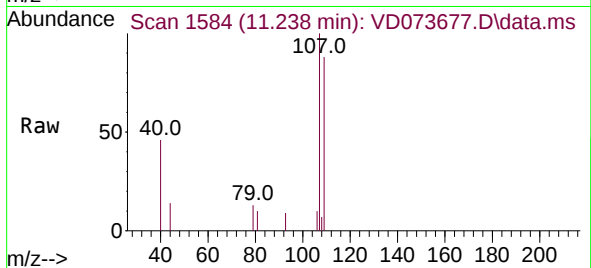
MDL-SOIL-03-QT2-2022

Tgt Ion:107 Resp: 5142

Ion Ratio Lower Upper

107 100

109 92.3 73.8 110.8



#62

4-Bromofluorobenzene

Concen: 43.941 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

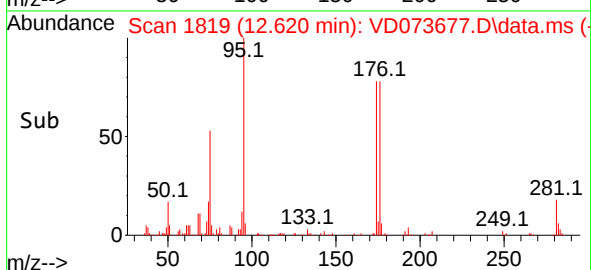
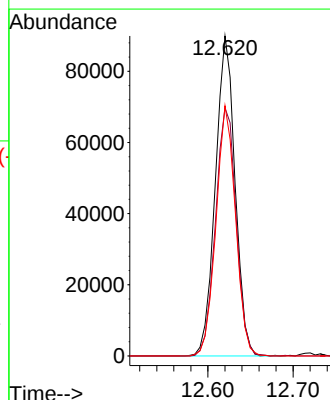
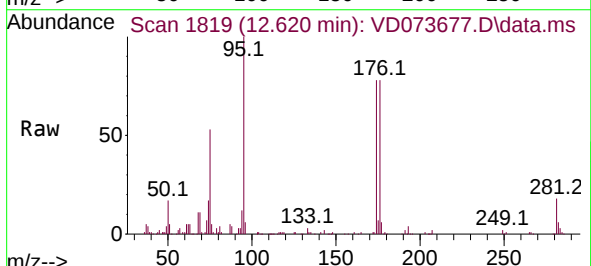
Tgt Ion: 95 Resp: 144303

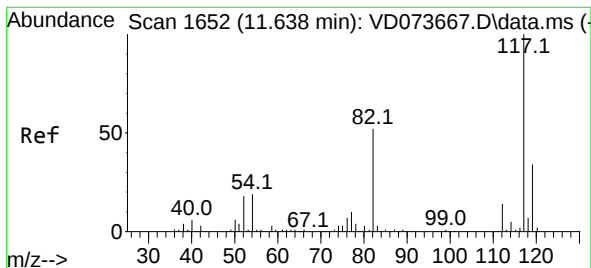
Ion Ratio Lower Upper

95 100

174 81.4 0.0 158.4

176 77.7 0.0 154.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

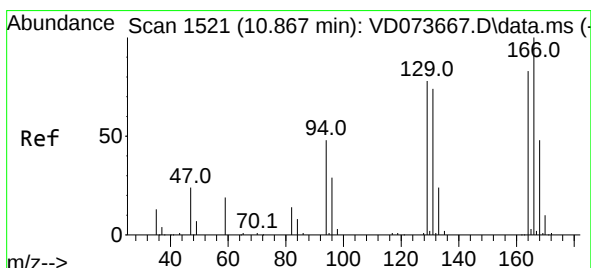
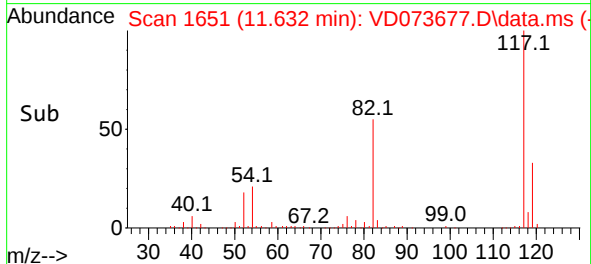
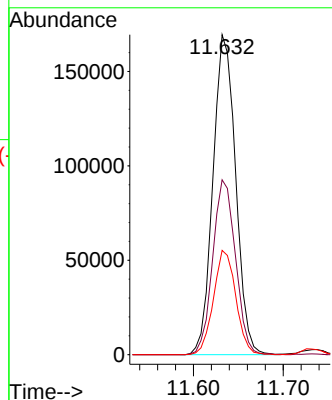
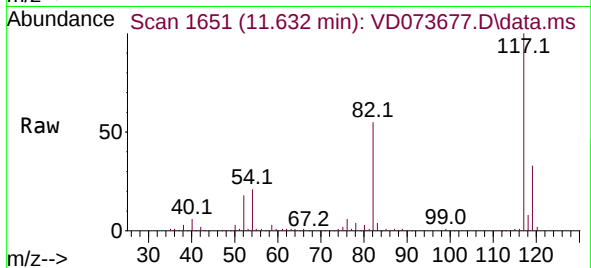
Tgt Ion:117 Resp: 297747

Ion Ratio Lower Upper

117 100

82 54.6 41.5 62.3

119 32.6 27.1 40.7



#64

Tetrachloroethene

Concen: 3.012 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Tgt Ion:164 Resp: 7100

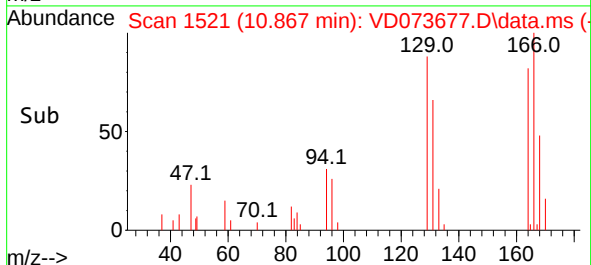
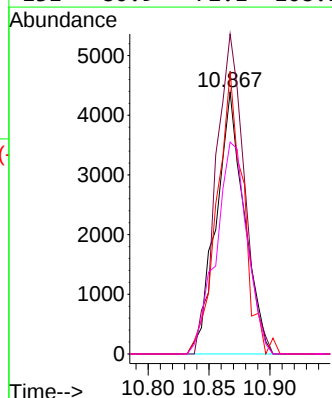
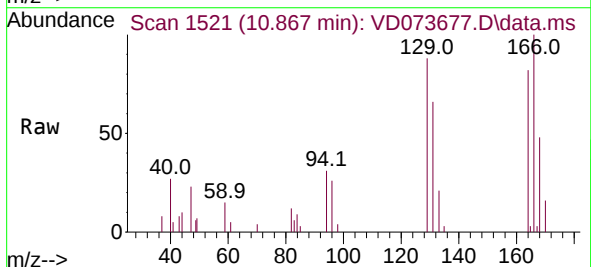
Ion Ratio Lower Upper

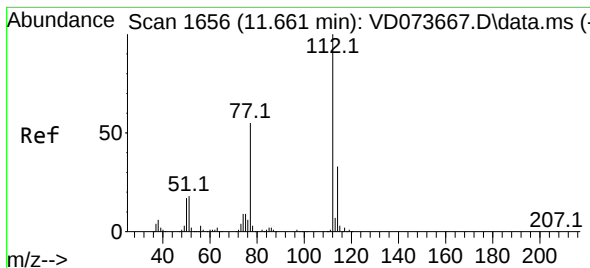
164 100

166 122.1 97.0 145.4

129 107.9 75.2 112.8

131 80.9 72.1 108.1





#65

Chlorobenzene

Concen: 2.658 ug/l

RT: 11.661 min Scan# 1656

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

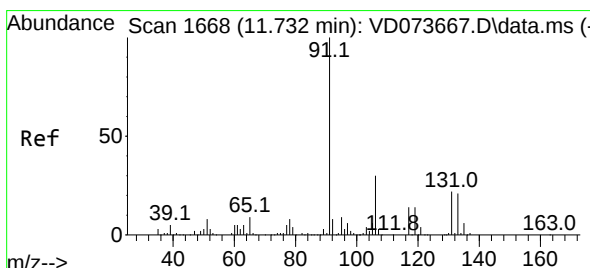
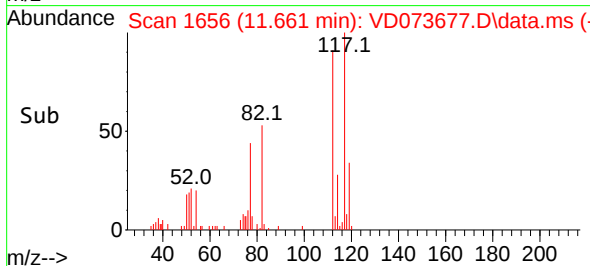
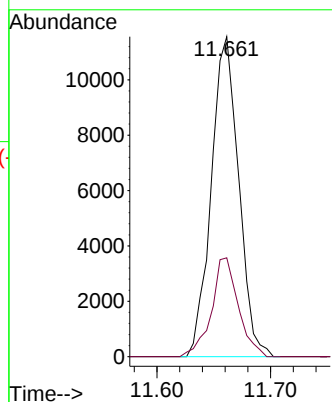
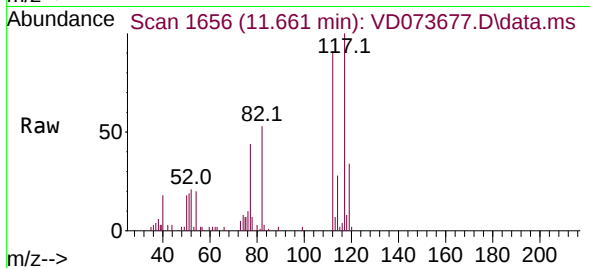
MDL-SOIL-03-QT2-2022

Tgt Ion:112 Resp: 19373

Ion Ratio Lower Upper

112 100

114 30.9 26.6 39.8



#66

1,1,1,2-Tetrachloroethane

Concen: 2.584 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

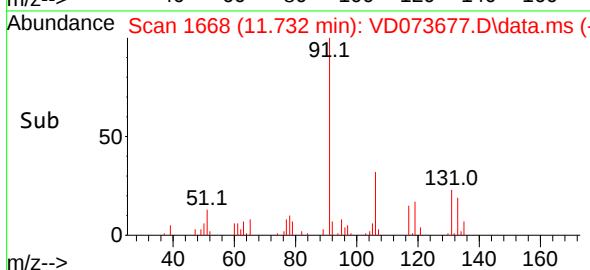
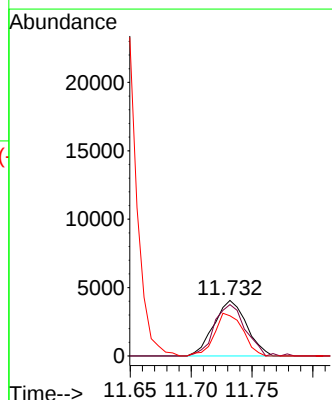
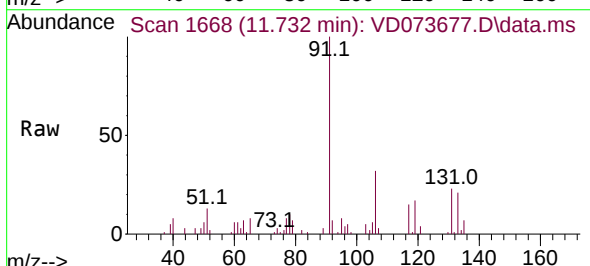
Tgt Ion:131 Resp: 7566

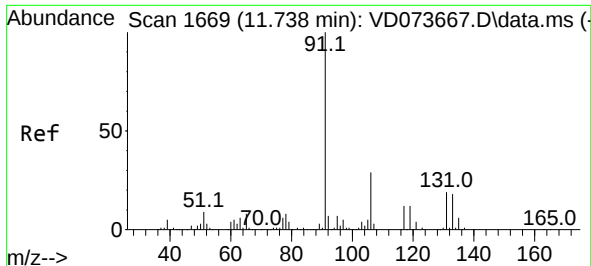
Ion Ratio Lower Upper

131 100

133 88.5 47.1 141.4

119 66.5 31.4 94.3





#67

Ethyl Benzene

Concen: 2.295 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

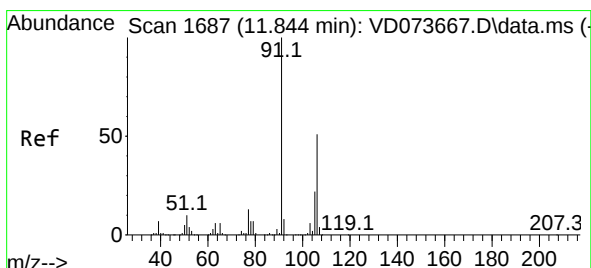
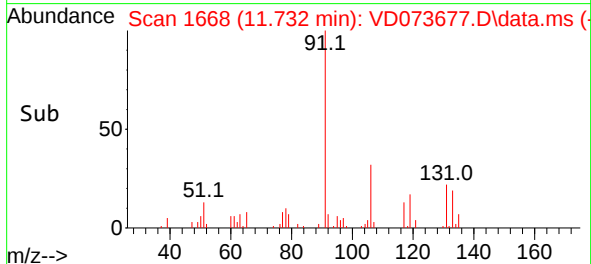
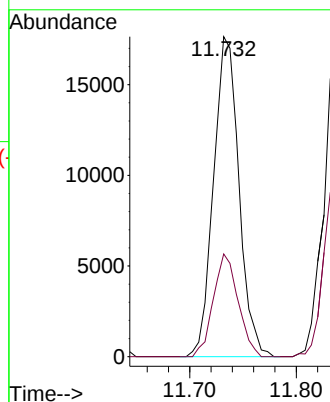
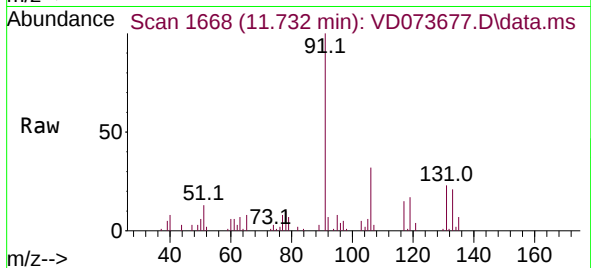
MDL-SOIL-03-QT2-2022

Tgt Ion: 91 Resp: 29181

Ion Ratio Lower Upper

91 100

106 32.1 23.5 35.3



#68

m/p-Xylenes

Concen: 4.409 ug/l

RT: 11.844 min Scan# 1687

Delta R.T. 0.000 min

Lab File: VD073677.D

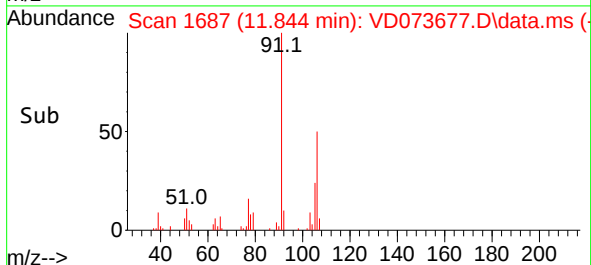
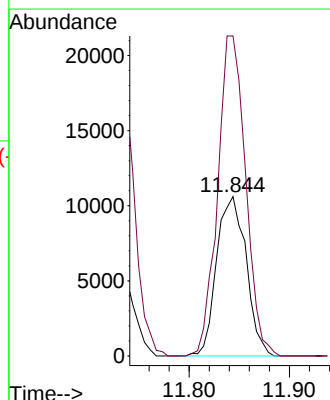
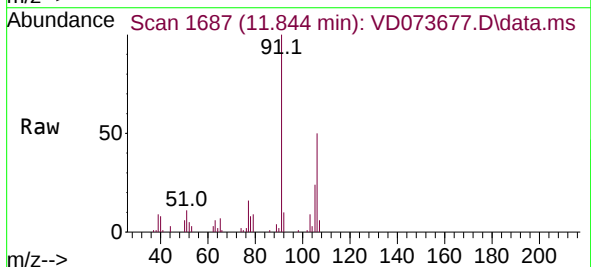
Acq: 23 Jun 2022 20:39

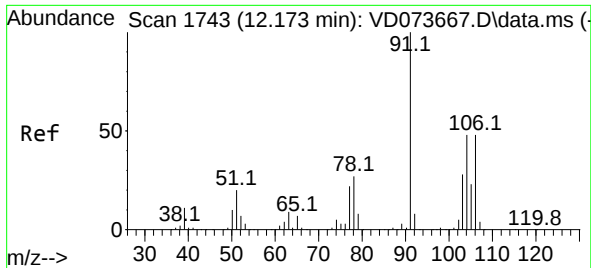
Tgt Ion: 106 Resp: 21667

Ion Ratio Lower Upper

106 100

91 190.5 161.4 242.2

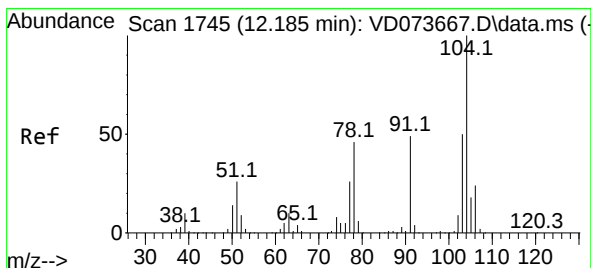
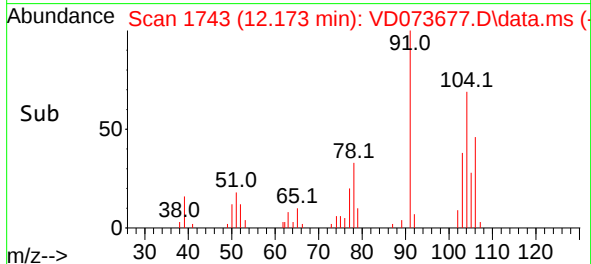
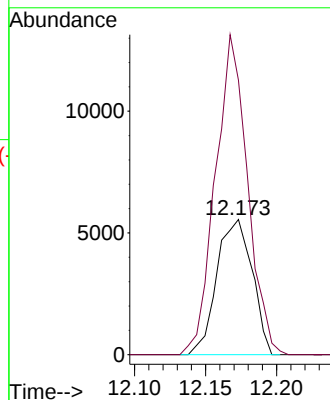
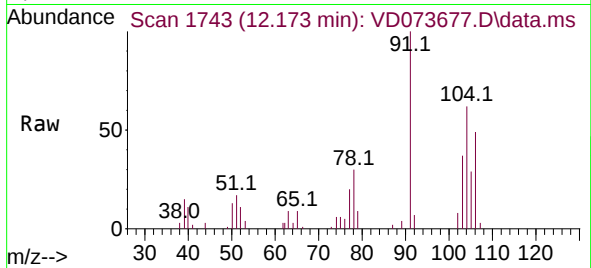




#69
o-Xylene
Concen: 2.108 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

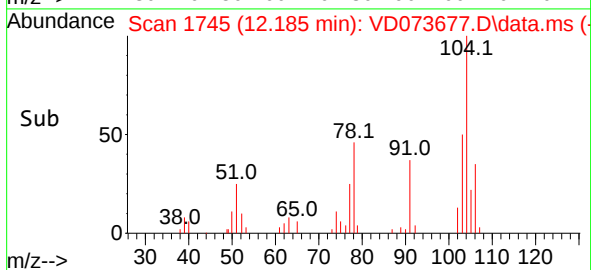
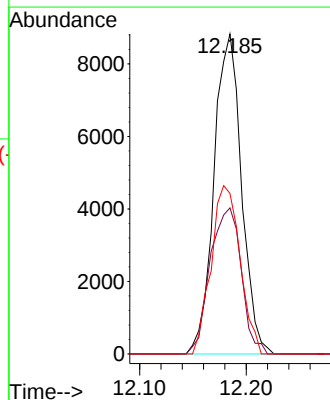
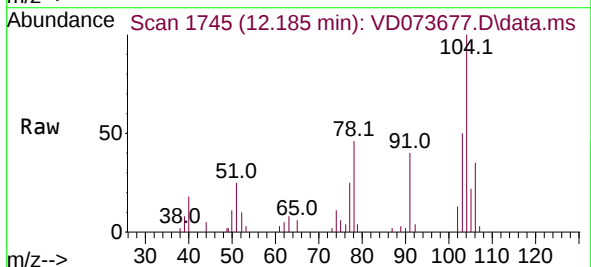
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

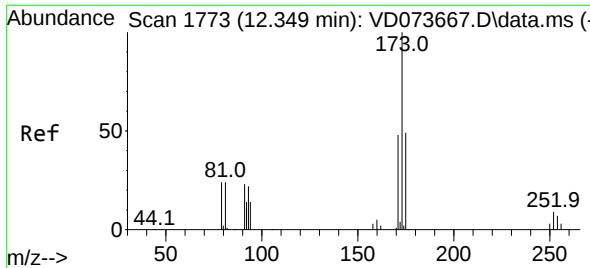
Tgt Ion:106 Resp: 9610
Ion Ratio Lower Upper
106 100
91 215.7 107.6 322.8



#70
Styrene
Concen: 1.981 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:104 Resp: 15799
Ion Ratio Lower Upper
104 100
78 51.6 39.8 59.8
103 55.5 43.3 64.9

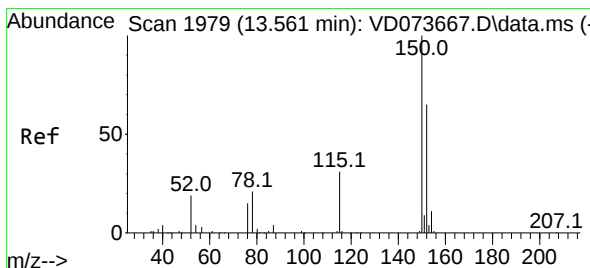
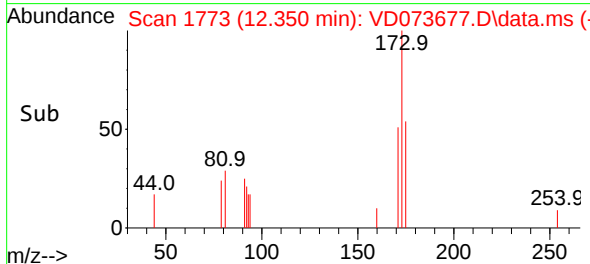
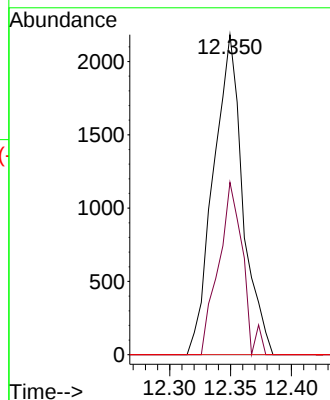
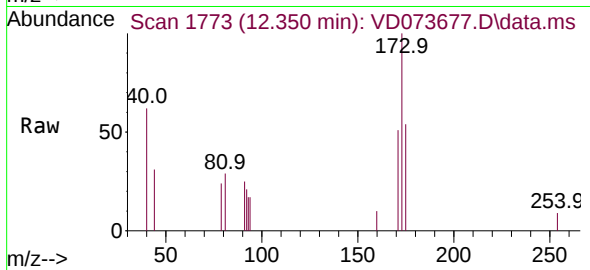




#71
Bromoform
Concen: 2.299 ug/l
RT: 12.350 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

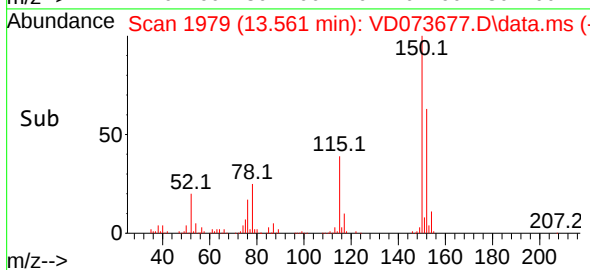
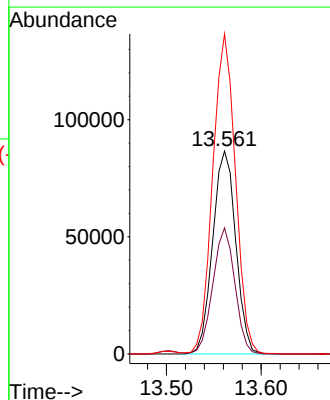
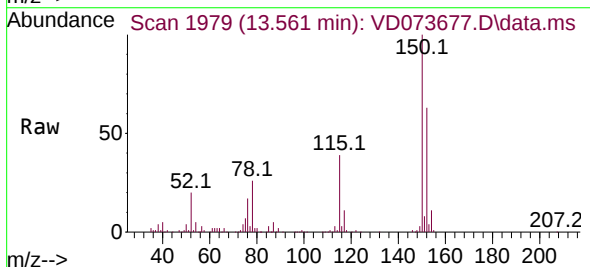
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

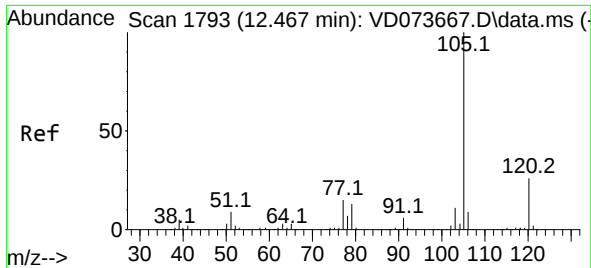
Tgt Ion:173 Resp: 3664
Ion Ratio Lower Upper
173 100
175 44.1 24.0 72.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:152 Resp: 146432
Ion Ratio Lower Upper
152 100
115 59.4 30.6 91.6
150 155.6 0.0 355.0

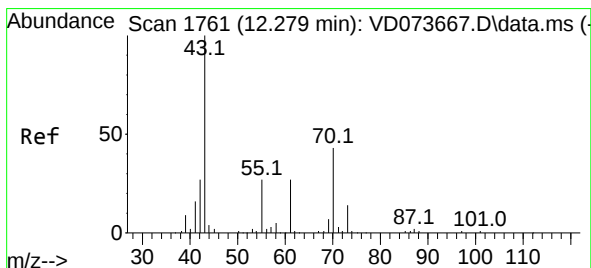
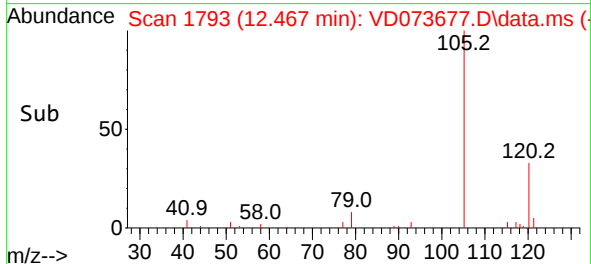
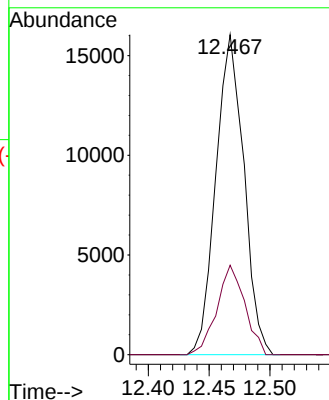
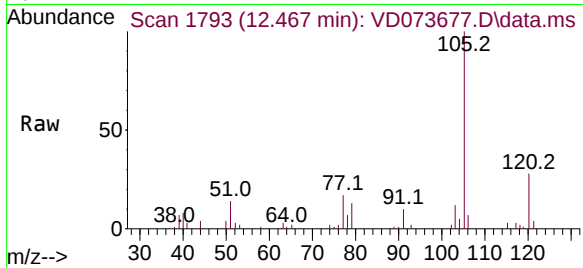




#73
Isopropylbenzene
Concen: 2.145 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

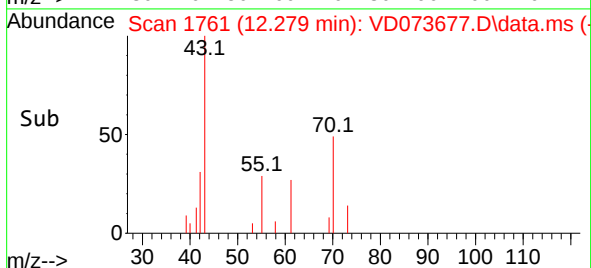
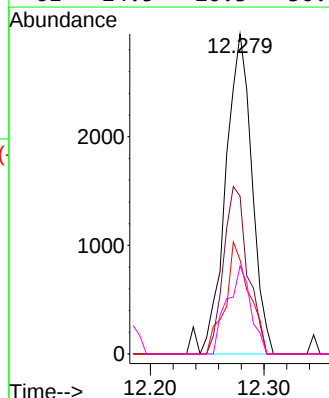
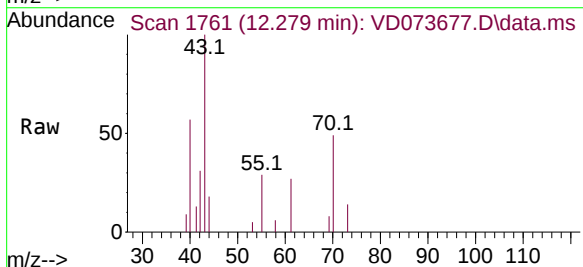
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

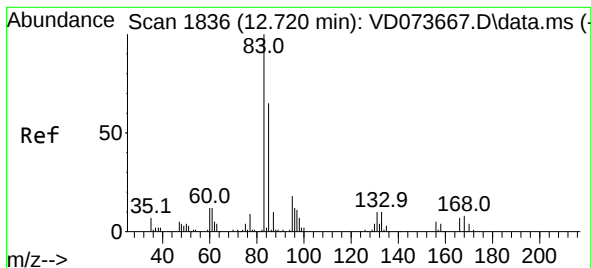
Tgt Ion:105 Resp: 25651
Ion Ratio Lower Upper
105 100
120 28.0 13.2 39.6



#74
N-ethyl acetate
Concen: 1.957 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 43 Resp: 4787
Ion Ratio Lower Upper
43 100
70 47.7 35.0 52.6
55 31.6 21.0 31.4#
61 24.5 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 2.587 ug/l

RT: 12.714 min Scan# 1835

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

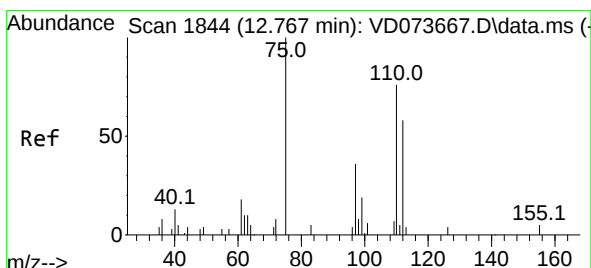
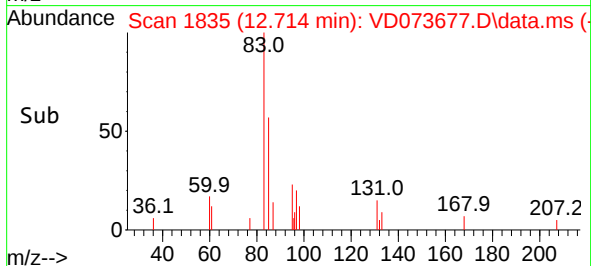
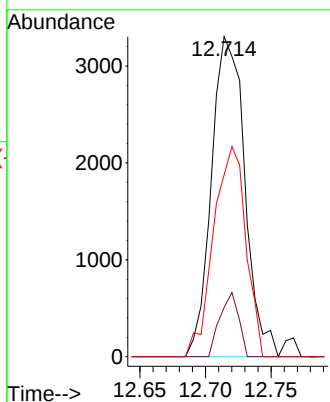
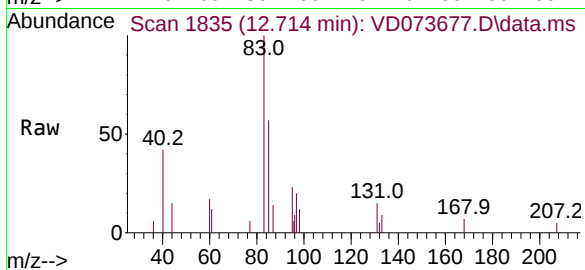
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 83	Resp: 5835
Ion Ratio	Lower Upper
83	100
131	11.3 5.5 16.7
85	63.6 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 5.085 ug/l

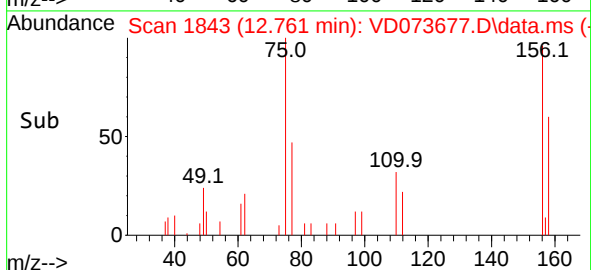
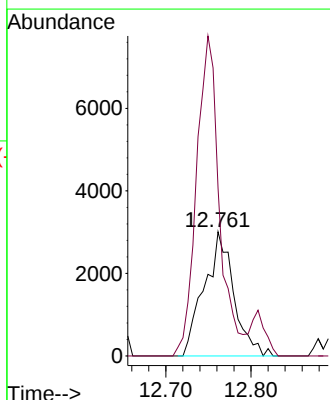
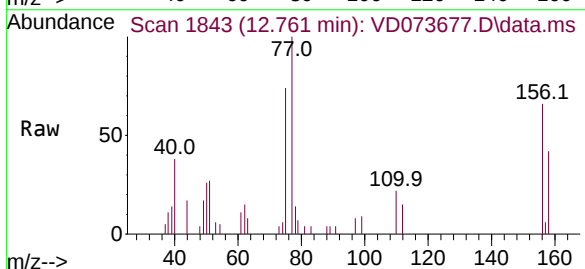
RT: 12.761 min Scan# 1843

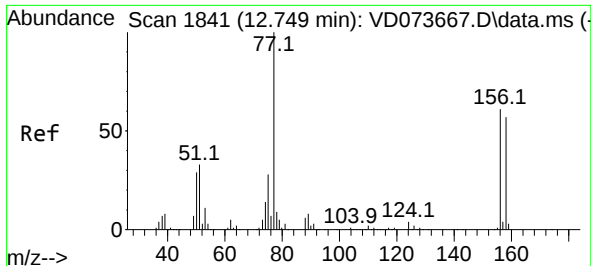
Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Tgt Ion: 75	Resp: 7246
Ion Ratio	Lower Upper
75	100
77	199.2 195.3 586.0

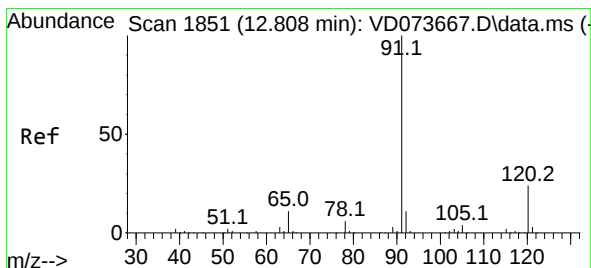
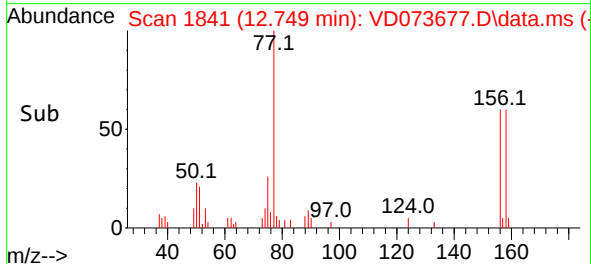
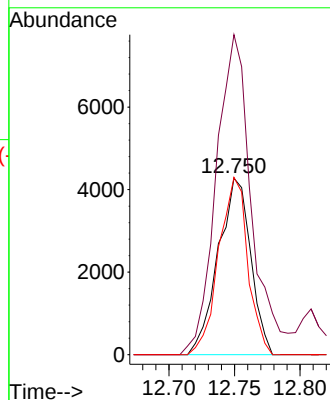
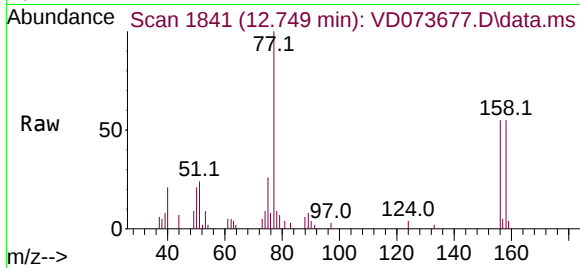




#77
Bromobenzene
Concen: 2.556 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

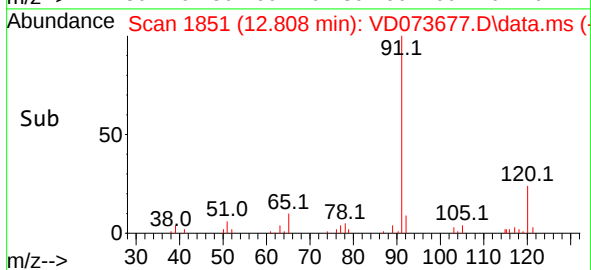
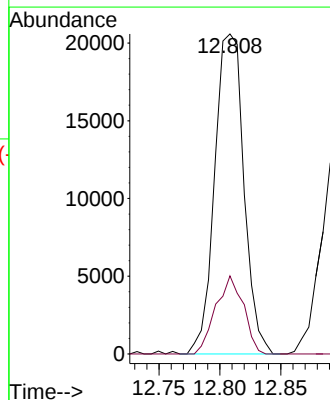
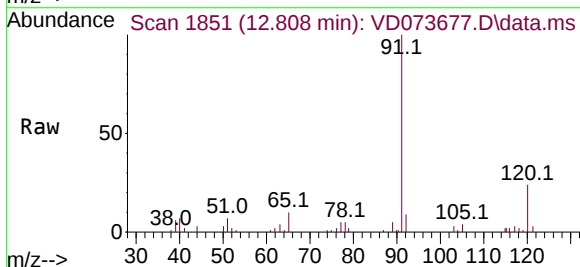
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

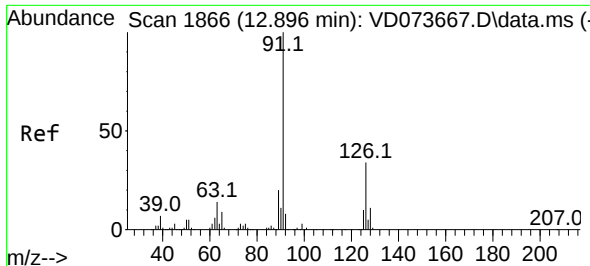
Tgt Ion:156 Resp: 7350
Ion Ratio Lower Upper
156 100
77 196.4 90.9 272.7
158 90.1 48.4 145.2



#78
n-propylbenzene
Concen: 2.352 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 91 Resp: 34372
Ion Ratio Lower Upper
91 100
120 23.0 11.8 35.3





#79

2-Chlorotoluene

Concen: 2.442 ug/l

RT: 12.891 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

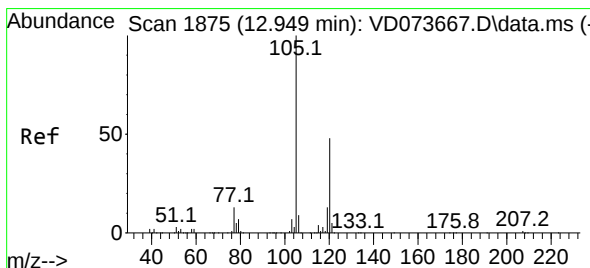
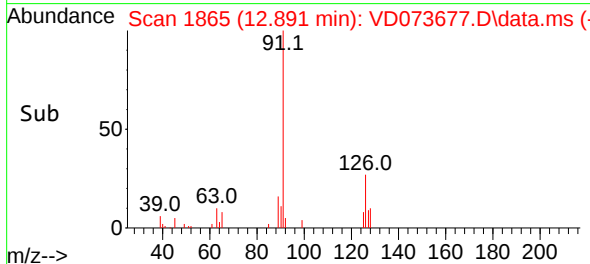
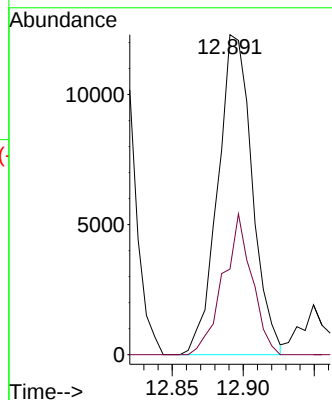
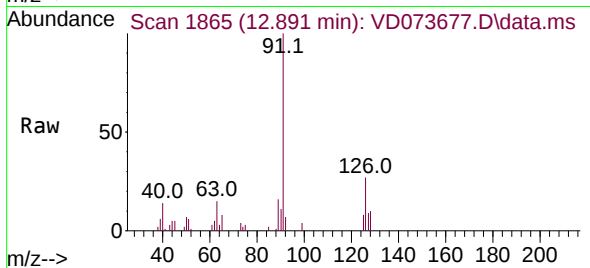
MDL-SOIL-03-QT2-2022

Tgt Ion: 91 Resp: 20789

Ion Ratio Lower Upper

91 100

126 36.6 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 2.006 ug/l

RT: 12.944 min Scan# 1874

Delta R.T. -0.006 min

Lab File: VD073677.D

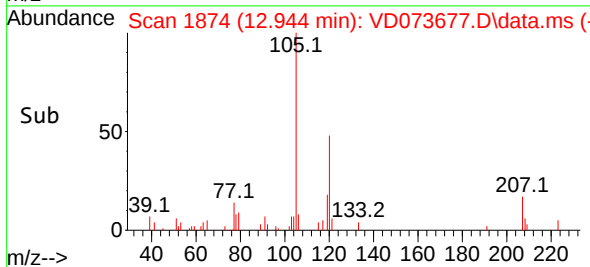
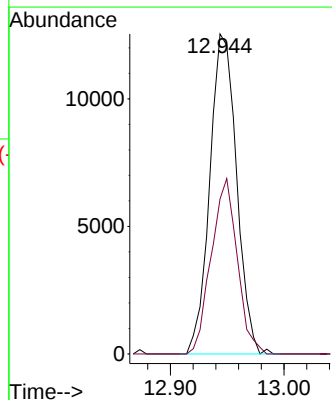
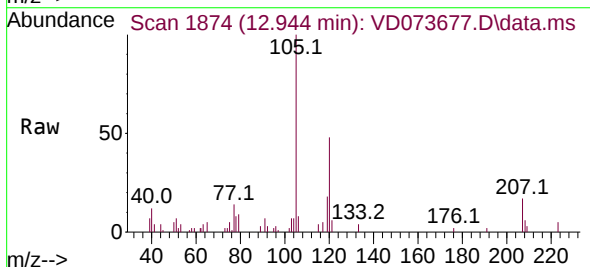
Acq: 23 Jun 2022 20:39

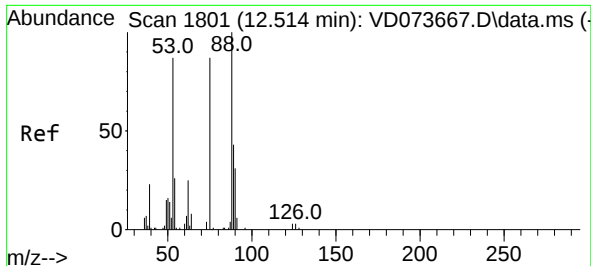
Tgt Ion: 105 Resp: 20563

Ion Ratio Lower Upper

105 100

120 53.3 24.5 73.5

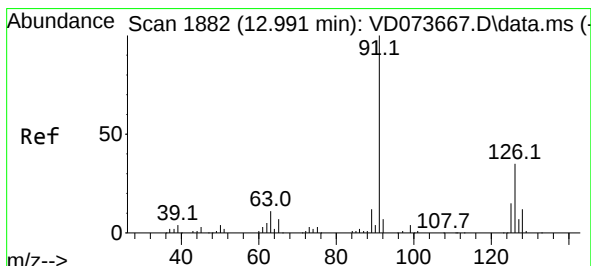
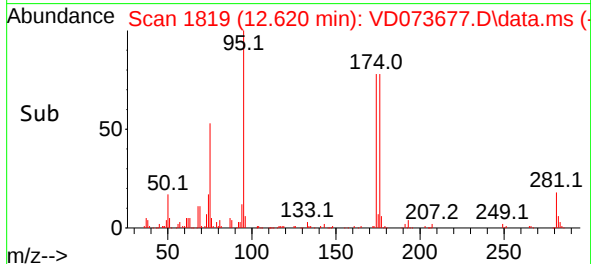
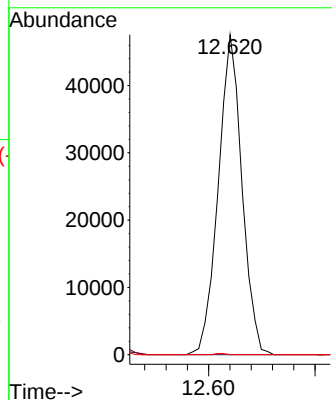
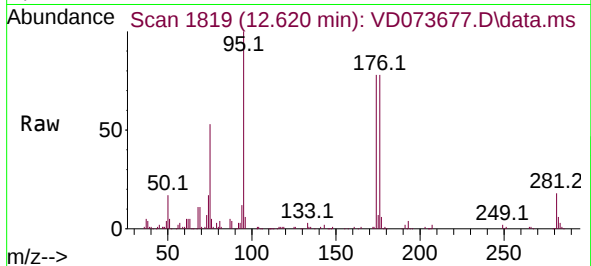




#81
trans-1,4-Dichloro-2-butene
Concen: 104.911 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

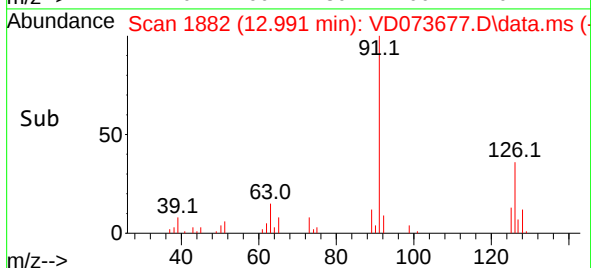
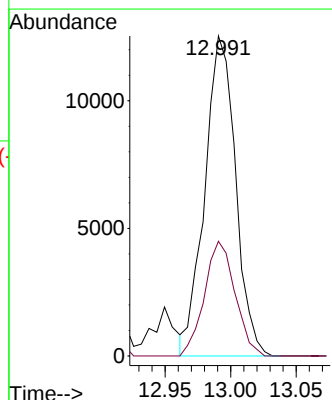
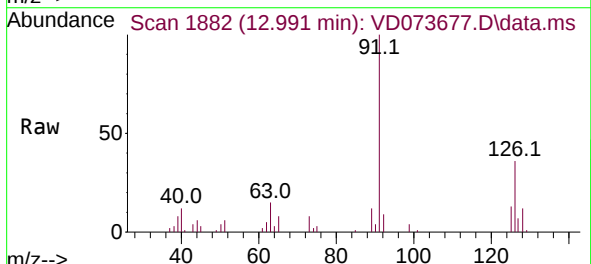
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

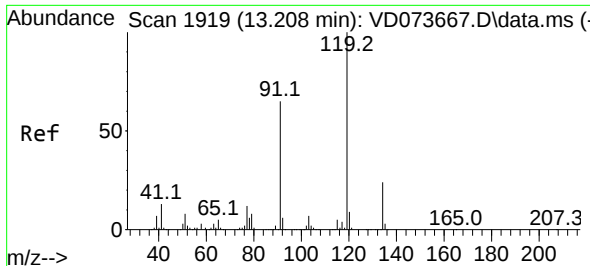
Tgt Ion: 75 Resp: 73227
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.6#
89 0.2 37.8 56.8#



#82
4-Chlorotoluene
Concen: 2.263 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion: 91 Resp: 20481
Ion Ratio Lower Upper
91 100
126 35.6 16.8 50.4

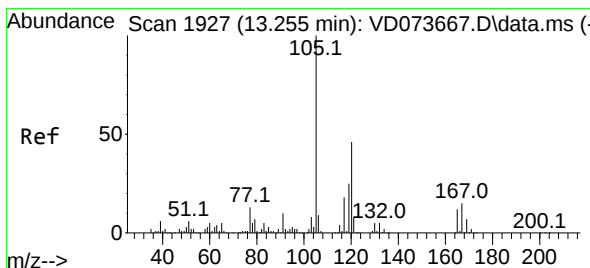
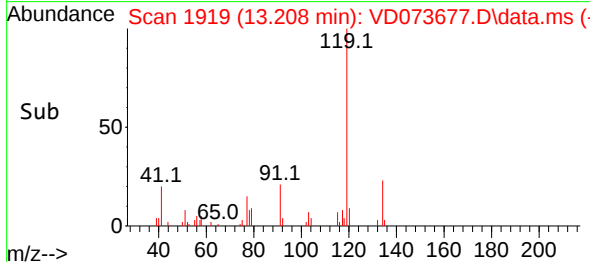
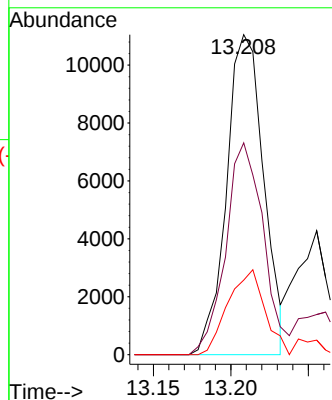
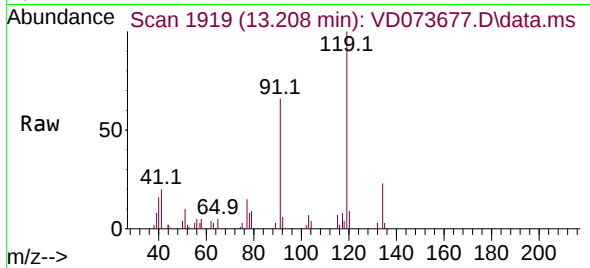




#83
tert-Butylbenzene
Concen: 2.045 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

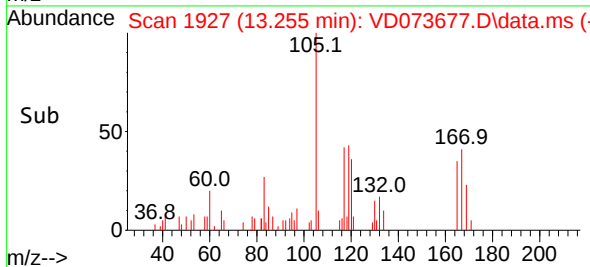
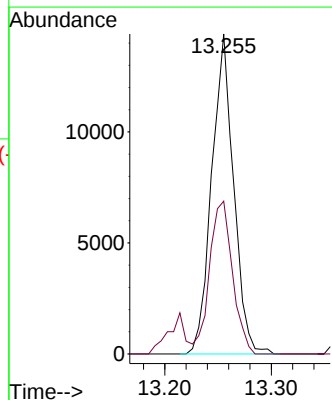
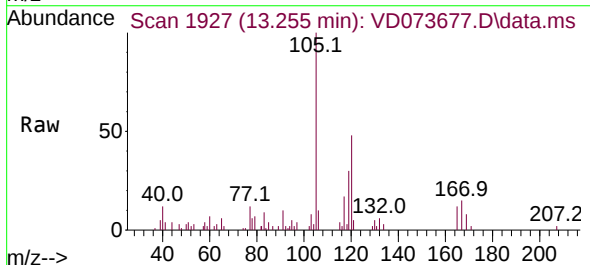
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

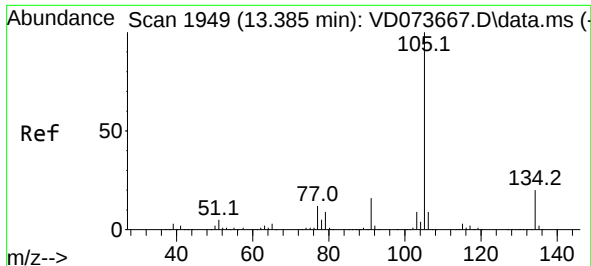
Tgt Ion:	119	Resp:	18431
Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.1	96.5
134	26.2	12.4	37.4



#84
1,2,4-Trimethylbenzene
Concen: 2.043 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:	105	Resp:	20576
Ion	Ratio	Lower	Upper
105	100		
120	50.0	22.6	67.8

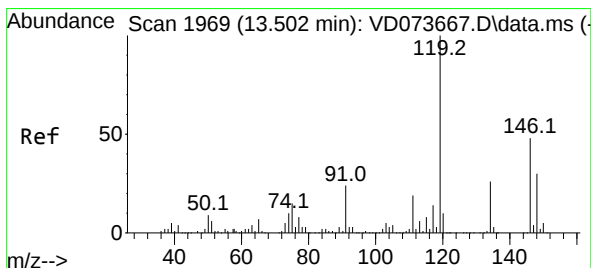
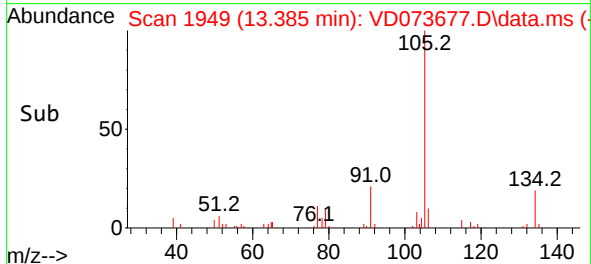
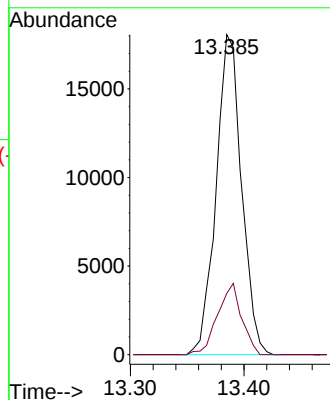
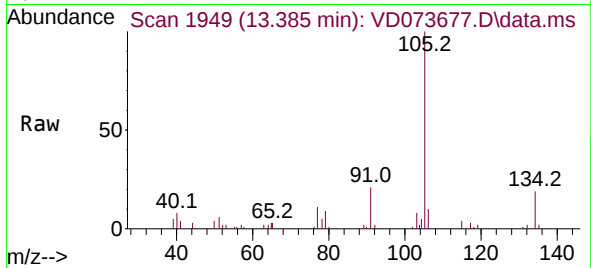




#85
 sec-Butylbenzene
 Concen: 2.126 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

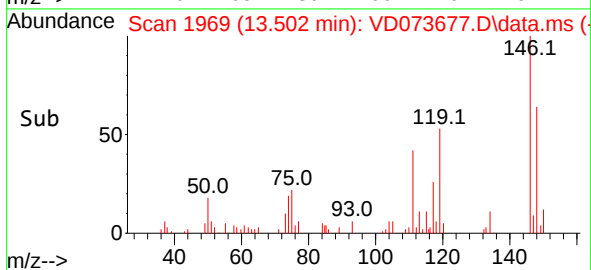
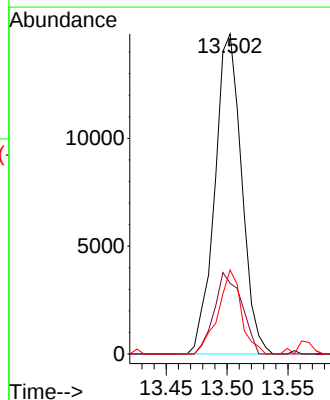
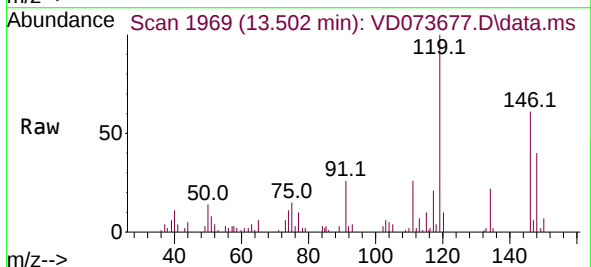
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

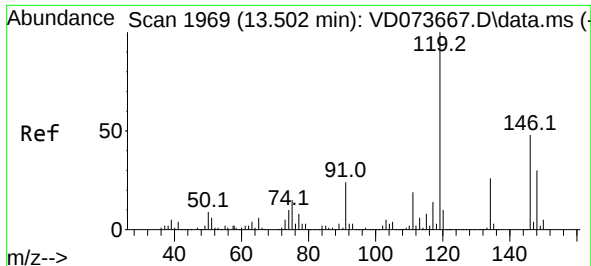
Tgt Ion:105 Resp: 28176
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 2.060 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073677.D
 Acq: 23 Jun 2022 20:39

Tgt Ion:119 Resp: 22729
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 22.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 2.652 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

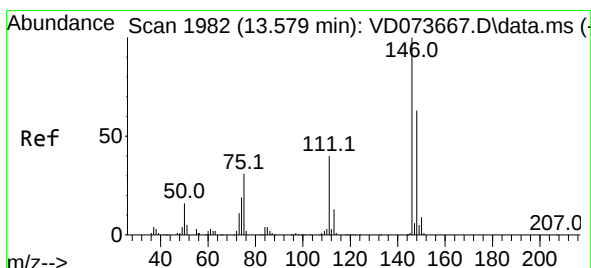
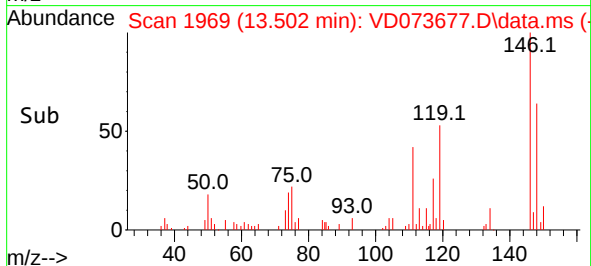
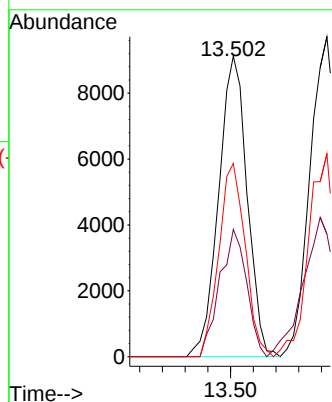
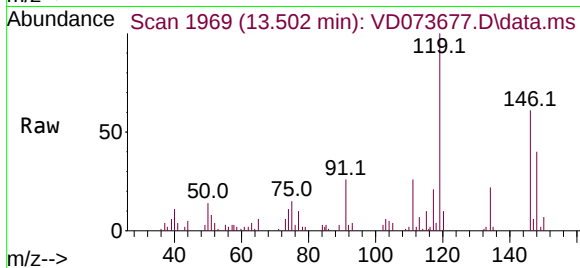
Tgt Ion:146 Resp: 15881

Ion Ratio Lower Upper

146 100

111 39.8 20.3 60.9

148 59.6 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 2.757 ug/l

RT: 13.585 min Scan# 1983

Delta R.T. 0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

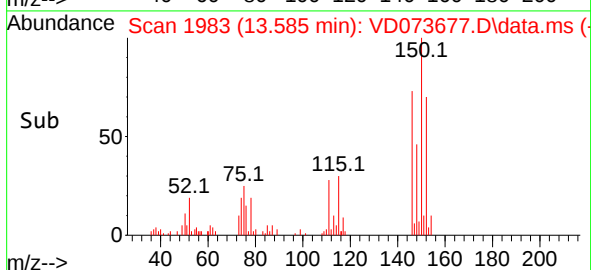
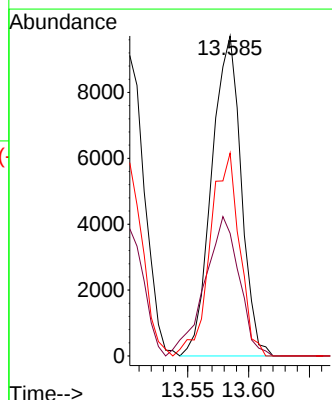
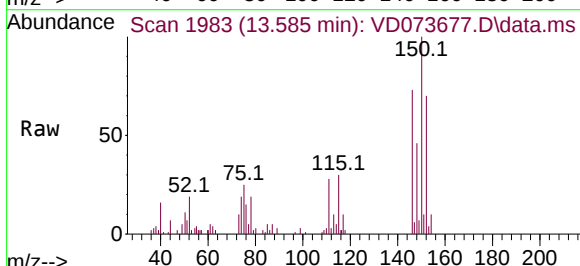
Tgt Ion:146 Resp: 16339

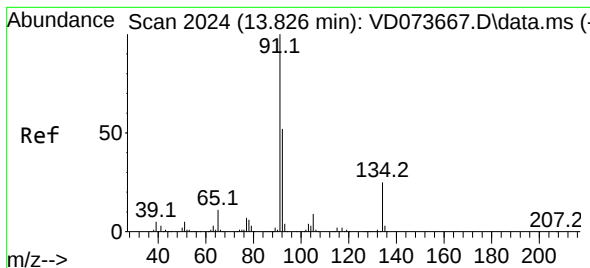
Ion Ratio Lower Upper

146 100

111 51.0 19.6 58.8

148 63.1 31.8 95.3





#89

n-Butylbenzene

Concen: 2.253 ug/l

RT: 13.826 min Scan# 2024

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

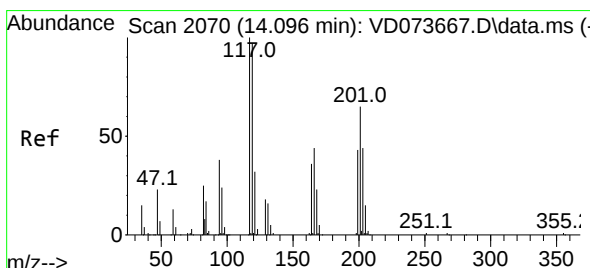
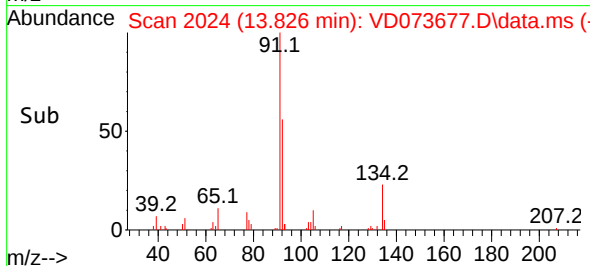
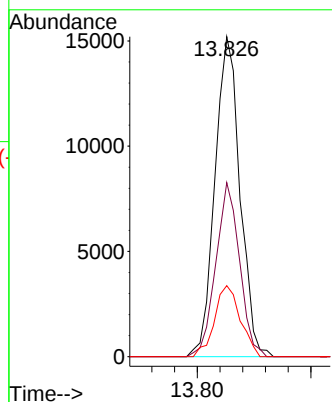
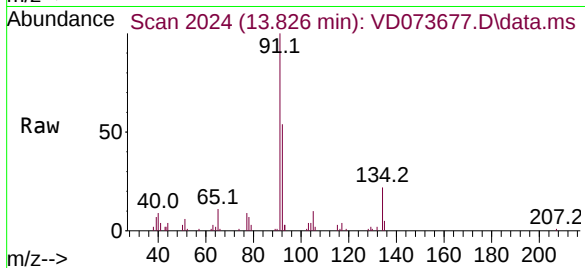
Tgt Ion: 91 Resp: 23272

Ion Ratio Lower Upper

91 100

92 51.6 26.4 79.2

134 22.9 12.7 38.0



#90

Hexachloroethane

Concen: 2.413 ug/l

RT: 14.096 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VD073677.D

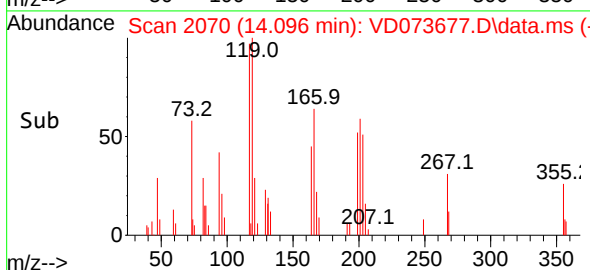
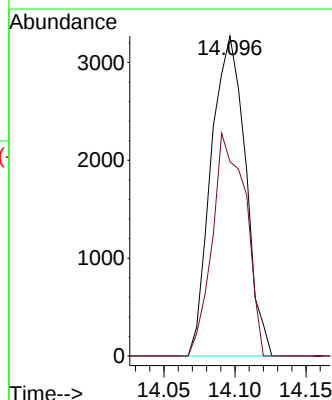
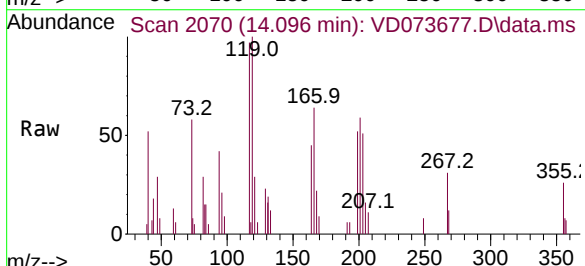
Acq: 23 Jun 2022 20:39

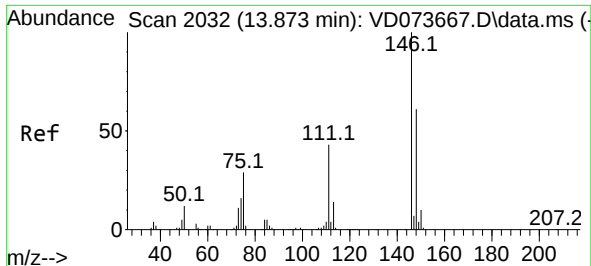
Tgt Ion: 117 Resp: 5488

Ion Ratio Lower Upper

117 100

201 67.7 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 2.471 ug/l

RT: 13.873 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

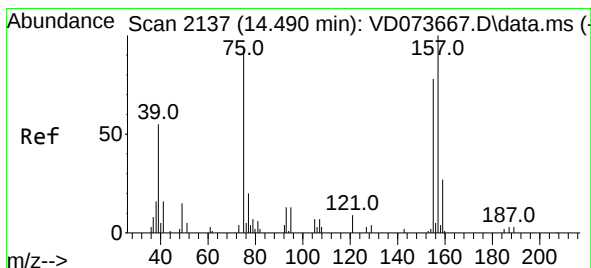
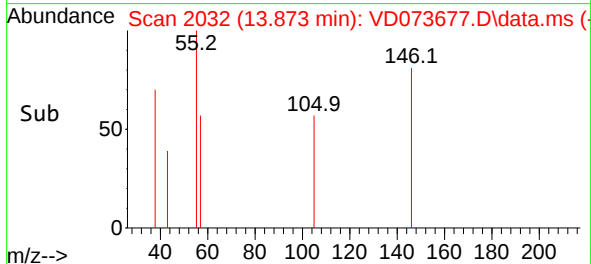
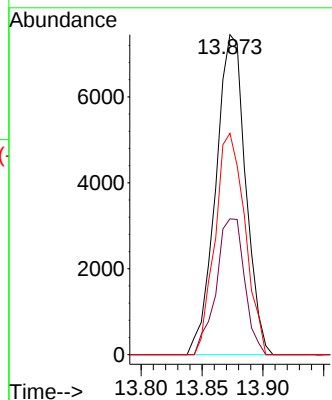
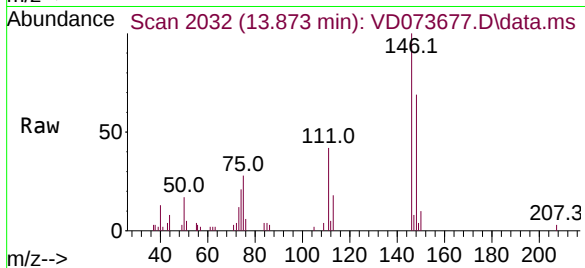
Tgt Ion:146 Resp: 12730

Ion Ratio Lower Upper

146 100

111 40.3 21.1 63.3

148 69.0 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.655 ug/l

RT: 14.485 min Scan# 2136

Delta R.T. -0.006 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

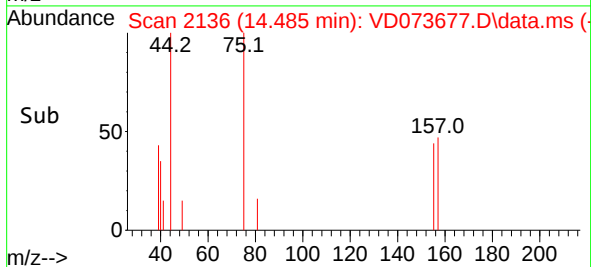
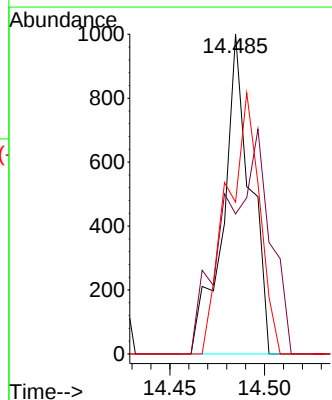
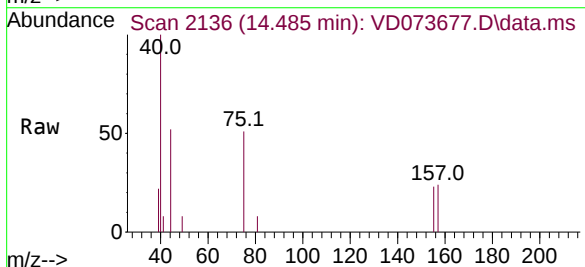
Tgt Ion: 75 Resp: 1000

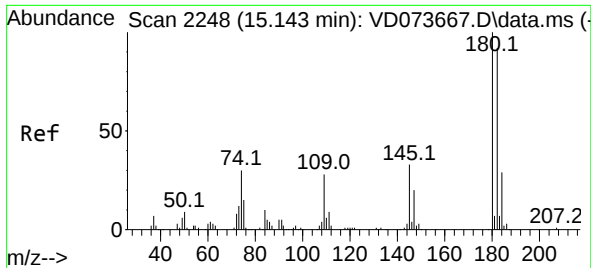
Ion Ratio Lower Upper

75 100

155 114.9 41.2 123.6

157 97.4 55.5 166.5

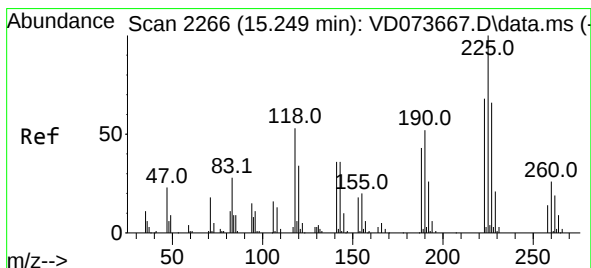
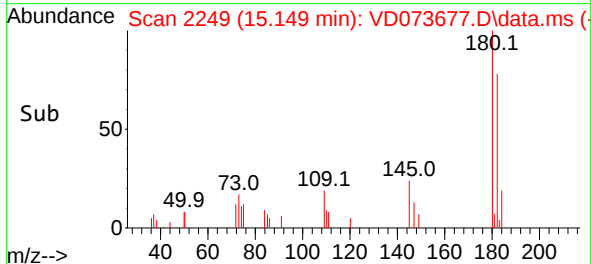
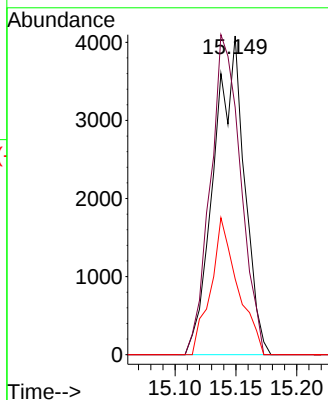
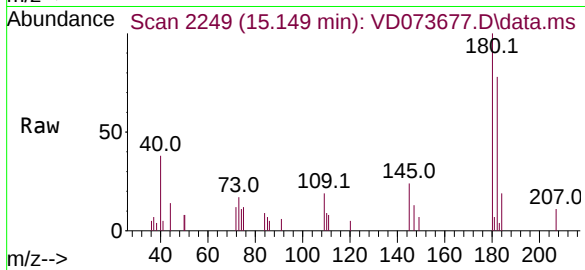




#93
1,2,4-Trichlorobenzene
Concen: 2.297 ug/l
RT: 15.149 min Scan# 2248
Delta R.T. 0.006 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

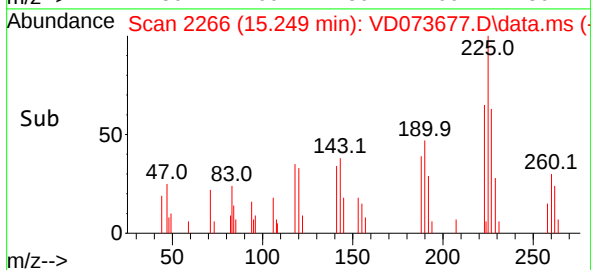
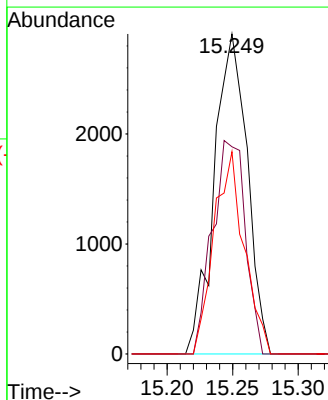
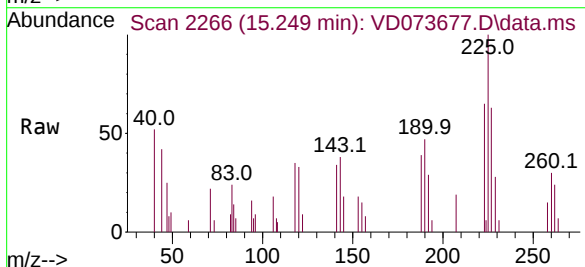
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT2-2022

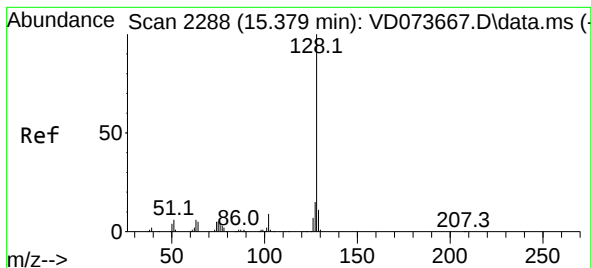
Tgt Ion:180 Resp: 7068
Ion Ratio Lower Upper
180 100
182 100.3 48.0 144.0
145 38.2 16.2 48.5



#94
Hexachlorobutadiene
Concen: 2.925 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. 0.000 min
Lab File: VD073677.D
Acq: 23 Jun 2022 20:39

Tgt Ion:225 Resp: 5103
Ion Ratio Lower Upper
225 100
223 66.2 32.6 97.8
227 57.9 32.6 97.8





#95

Naphthalene

Concen: 1.996 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

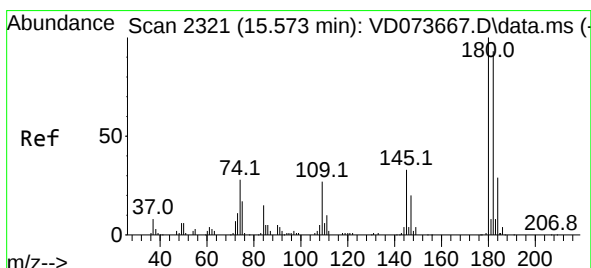
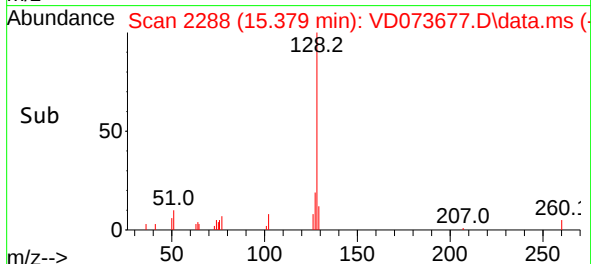
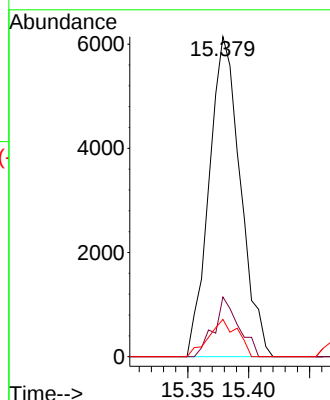
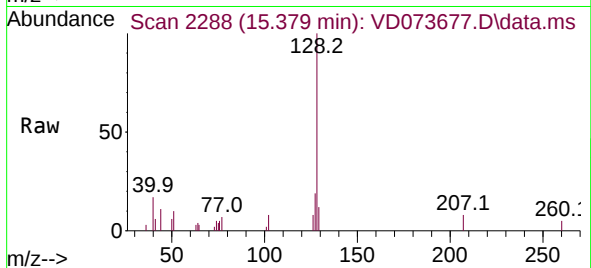
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:128	Resp:	10981
Ion Ratio	Lower	Upper
128	100	
127	14.7	10.6 16.0
129	10.7	8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 2.443 ug/l

RT: 15.573 min Scan# 2321

Delta R.T. 0.000 min

Lab File: VD073677.D

Acq: 23 Jun 2022 20:39

Tgt Ion:180	Resp:	6567
Ion Ratio	Lower	Upper
180	100	
182	91.7	49.0 147.0
145	31.8	17.6 52.8

