

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070720.D
 Acq On : 15 Oct 2021 17:09
 Operator : VA/SY
 Sample : M4068-03 2.5PPBMDL
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Oct 18 08:43:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:43:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	379524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	704011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	661217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295319	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255710	56.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.780%
35) Dibromofluoromethane	7.914	113	223542	49.590	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.180%
50) Toluene-d8	10.332	98	793891	45.943	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.880%
62) 4-Bromofluorobenzene	12.620	95	259798	43.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.320%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	12935	2.915	ug/l	92
3) Chloromethane	2.209	50	18908	2.872	ug/l	92
4) Vinyl Chloride	2.344	62	19214	2.848	ug/l	93
5) Bromomethane	2.773	94	15296	3.718	ug/l	89
6) Chloroethane	2.926	64	12251	2.883	ug/l	89
7) Trichlorofluoromethane	3.268	101	22088	2.896	ug/l	93
8) Diethyl Ether	3.720	74	5969	2.937	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.097	101	13519	2.963	ug/l	97
10) Methyl Iodide	4.285	142	9444	2.263	ug/l #	40
11) Tert butyl alcohol	5.197	59	783	3.112	ug/l #	83
12) 1,1-Dichloroethene	4.068	96	11315	2.743	ug/l #	87
13) Acrolein	3.920	56	3764	15.454	ug/l	96
14) Allyl chloride	4.709	41	20768	2.660	ug/l #	90
15) Acrylonitrile	5.415	53	13624	12.732	ug/l	94
16) Acetone	4.156	43	13503	12.454	ug/l	97
17) Carbon Disulfide	4.409	76	39712	2.642	ug/l #	90
18) Methyl Acetate	4.715	43	12374	3.283	ug/l #	68
19) Methyl tert-butyl Ether	5.473	73	21135	2.370	ug/l #	85
20) Methylene Chloride	4.956	84	52643	7.523	ug/l	89
21) trans-1,2-Dichloroethene	5.462	96	6129	1.295	ug/l	96
22) Diisopropyl ether	6.356	45	32343	2.127	ug/l #	77
23) Vinyl Acetate	6.309	43	53750	7.483	ug/l #	89
24) 1,1-Dichloroethane	6.262	63	26370	2.784	ug/l	99
25) 2-Butanone	7.203	43	15763	11.769	ug/l #	70
26) 2,2-Dichloropropane	7.209	77	18932	2.527	ug/l	95
27) cis-1,2-Dichloroethene	7.197	96	12951	2.552	ug/l	81
28) Bromochloromethane	7.544	49	10712	2.845	ug/l #	82
29) Tetrahydrofuran	7.561	42	10185	12.421	ug/l #	84
30) Chloroform	7.709	83	26866	2.903	ug/l	86
31) Cyclohexane	7.979	56	28930	3.181	ug/l #	69
32) 1,1,1-Trichloroethane	7.903	97	21607	2.752	ug/l #	92
36) 1,1-Dichloropropene	8.108	75	18881	2.407	ug/l	97
37) Ethyl Acetate	7.291	43	8586	2.642	ug/l #	86
38) Carbon Tetrachloride	8.091	117	19946	2.655	ug/l	94
39) Methylcyclohexane	9.355	83	19574	2.213	ug/l #	88
40) Benzene	8.350	78	56412	2.498	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	4245	2.276	ug/l #	64
42) 1,2-Dichloroethane	8.420	62	17720	2.764	ug/l	97
43) Isopropyl Acetate	8.450	43	16996	2.742	ug/l #	83
44) Trichloroethene	9.103	130	14129	2.664	ug/l	95
45) 1,2-Dichloropropane	9.379	63	13999	2.346	ug/l	92
46) Dibromomethane	9.473	93	6694	2.342	ug/l	90
47) Bromodichloromethane	9.661	83	19089	2.518	ug/l	88
48) Methyl methacrylate	9.450	41	6097	2.008	ug/l #	89
49) 1,4-Dioxane	9.461	88	1450	47.253	ug/l #	78
51) 4-Methyl-2-Pentanone	10.220	43	34974	10.706	ug/l #	83
52) Toluene	10.397	92	32379	2.408	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	15440	2.280	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	16882	2.083	ug/l #	82
55) 1,1,2-Trichloroethane	10.797	97	10061	2.563	ug/l #	83
56) Ethyl methacrylate	10.655	69	9631	2.056	ug/l #	72
57) 1,3-Dichloropropane	10.938	76	17338	2.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	19169	9.273	ug/l	92
59) 2-Hexanone	10.979	43	23021	10.011	ug/l	88
60) Dibromochloromethane	11.126	129	11046	2.449	ug/l	91
61) 1,2-Dibromoethane	11.238	107	8212	2.287	ug/l	99
64) Tetrachloroethene	10.879	164	11855	2.668	ug/l #	78
65) Chlorobenzene	11.661	112	33656	2.482	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.738	131	12746	2.540	ug/l	94
67) Ethyl Benzene	11.738	91	53867	2.173	ug/l	94
68) m/p-Xylenes	11.844	106	37939	4.039	ug/l	98
69) o-Xylene	12.173	106	16620	1.950	ug/l	94
70) Styrene	12.185	104	28146	1.900	ug/l	96
71) Bromoform	12.349	173	6298	2.417	ug/l #	95
73) Isopropylbenzene	12.473	105	43555	2.070	ug/l	98
74) N-amyl acetate	12.279	43	11822	2.158	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	11841	2.845	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	13139	5.150	ug/l #	100
77) Bromobenzene	12.749	156	13540	2.842	ug/l	92
78) n-propylbenzene	12.808	91	63494	2.321	ug/l	97
79) 2-Chlorotoluene	12.896	91	36668	2.320	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	39087	2.197	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.626	75	135585	116.394	ug/l #	17
82) 4-Chlorotoluene	12.996	91	39280	2.349	ug/l	96
83) tert-Butylbenzene	13.214	119	31957	2.174	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	36847	2.083	ug/l	98
85) sec-Butylbenzene	13.391	105	48202	2.086	ug/l	97
86) p-Isopropyltoluene	13.502	119	36002	1.938	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	26035	2.603	ug/l	96
88) 1,4-Dichlorobenzene	13.585	146	27270	2.761	ug/l	88
89) n-Butylbenzene	13.826	91	40764	2.175	ug/l	96
90) Hexachloroethane	14.096	117	10980	2.740	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	22329	2.612	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	1997	3.008	ug/l	89
93) 1,2,4-Trichlorobenzene	15.149	180	11789	2.410	ug/l	93
94) Hexachlorobutadiene	15.255	225	8856	2.761	ug/l	99
95) Naphthalene	15.385	128	20912	2.518	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.573	180	12283	2.827	ug/l	94

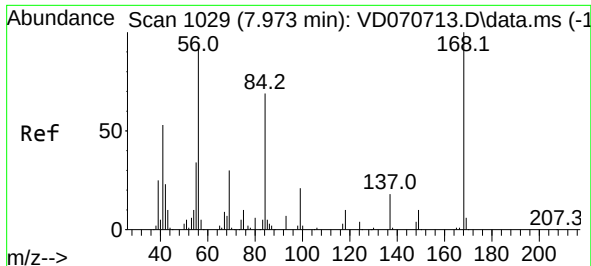
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QLast Update : Mon Oct 18 08:43:14 2021
Response via : Initial Calibration

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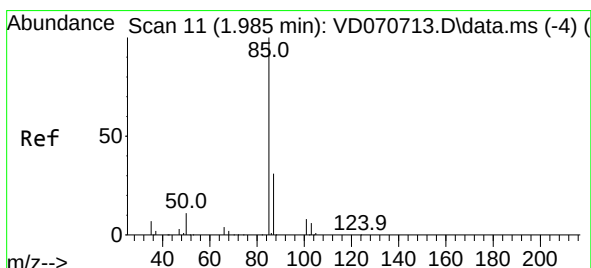
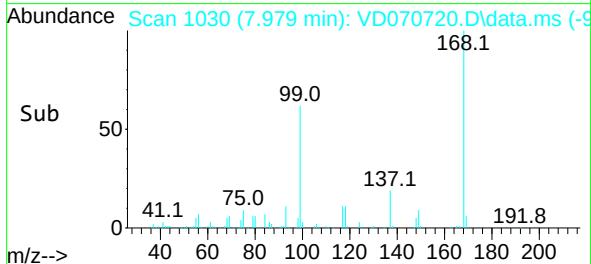
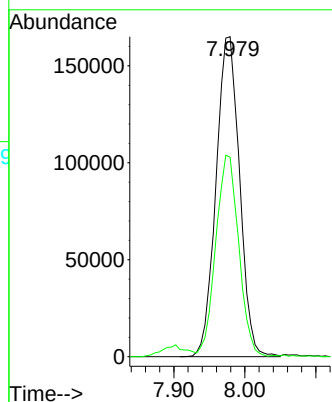
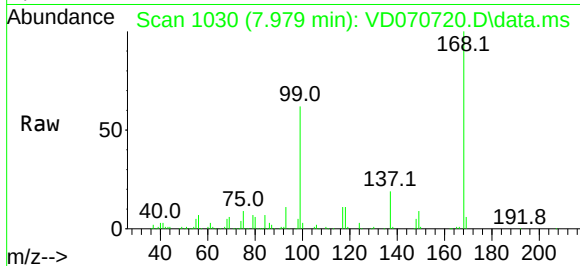
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070720.D
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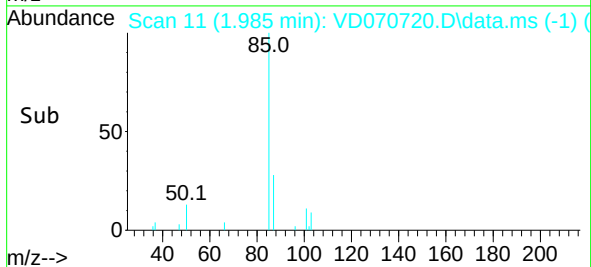
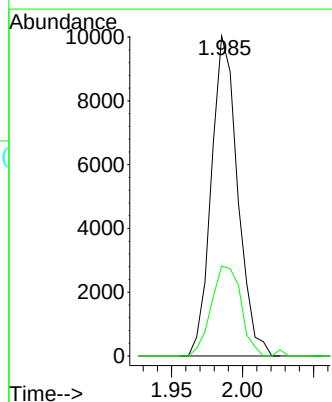
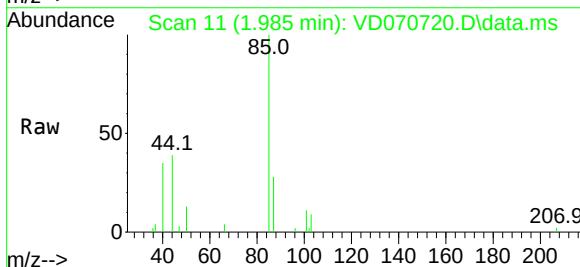
Instrument :
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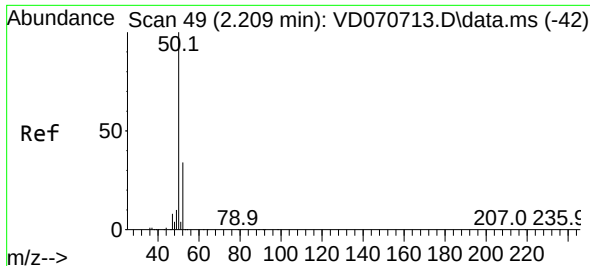
Tgt Ion:168 Resp: 379524
Ion Ratio Lower Upper
168 100
99 62.1 51.4 77.0



#2
Dichlorodifluoromethane
Concen: 2.915 ug/l
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 85 Resp: 12935
Ion Ratio Lower Upper
85 100
87 28.1 16.4 49.2

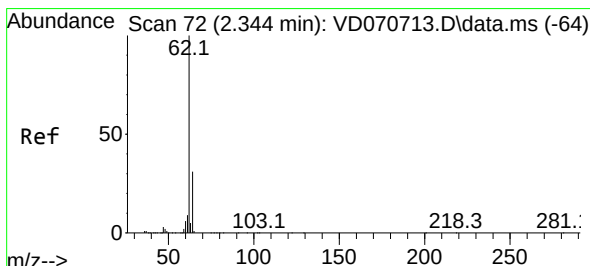
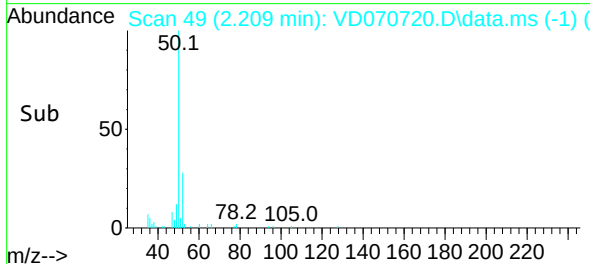
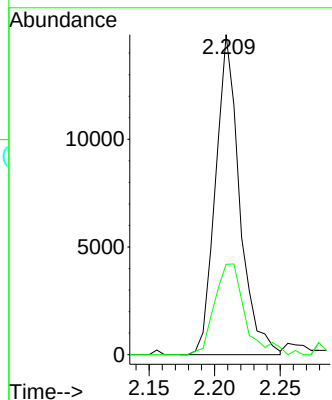
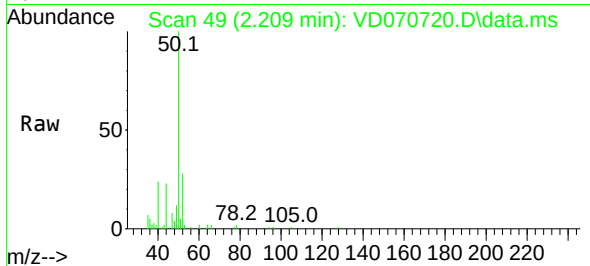




#3
Chloromethane
Concen: 2.872 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

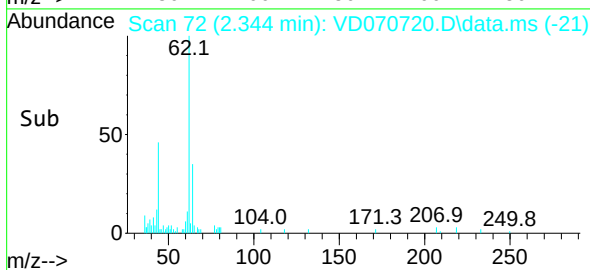
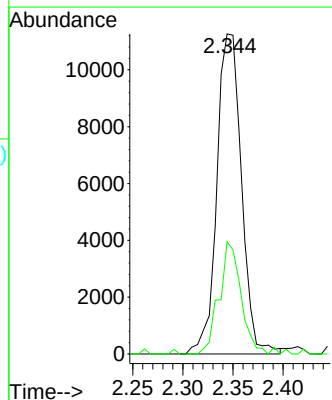
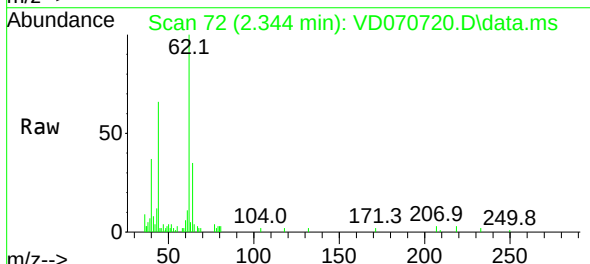
Instrument :
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ClientSampleId :
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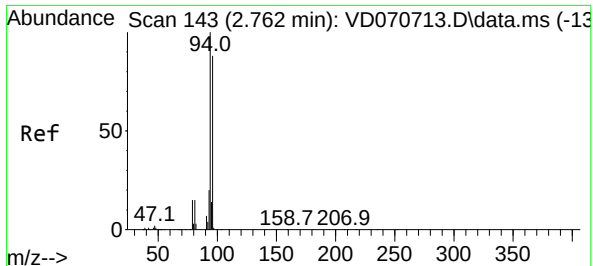
Tgt Ion: 50 Resp: 18908
Ion Ratio Lower Upper
50 100
52 28.2 26.0 39.0



#4
Vinyl Chloride
Concen: 2.848 ug/l
RT: 2.344 min Scan# 72
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 62 Resp: 19214
Ion Ratio Lower Upper
62 100
64 35.1 24.9 37.3

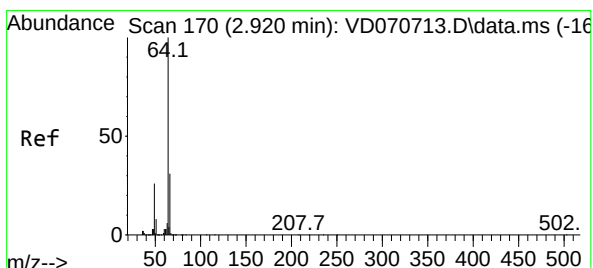
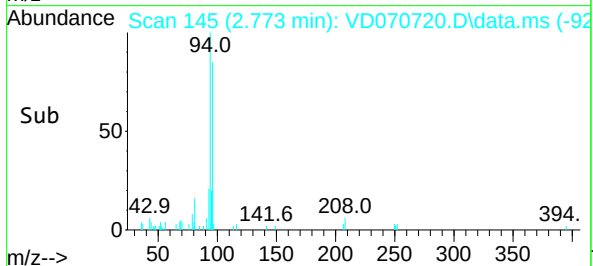
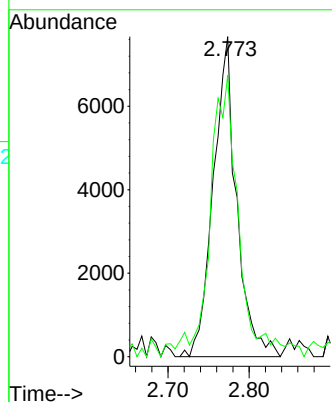
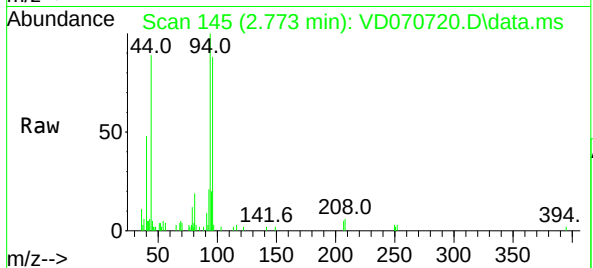




#5
Bromomethane
Concen: 3.718 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

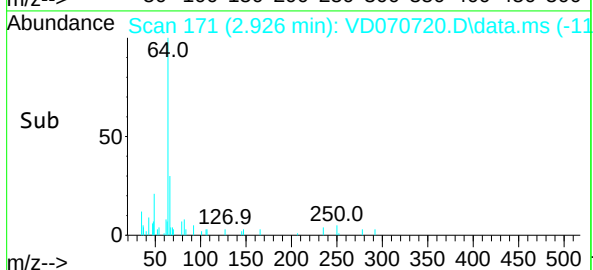
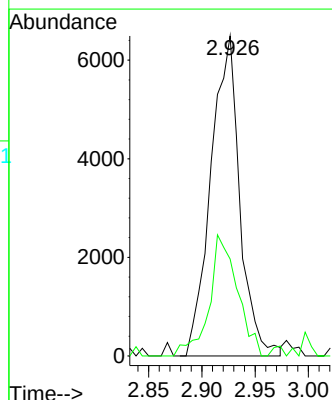
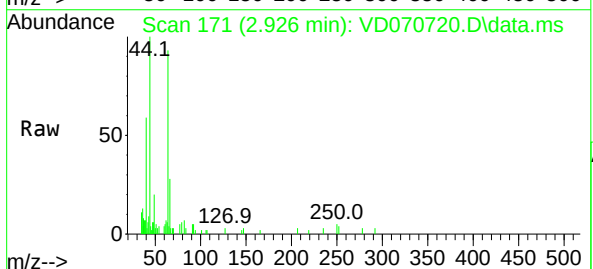
Instrument :
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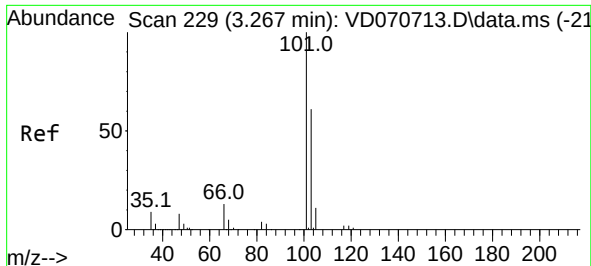
Tgt Ion: 94 Resp: 15296
Ion Ratio Lower Upper
94 100
96 84.2 75.5 113.3



#6
Chloroethane
Concen: 2.883 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 64 Resp: 12251
Ion Ratio Lower Upper
64 100
66 27.2 26.6 40.0

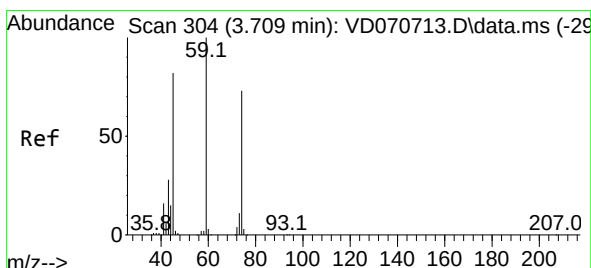
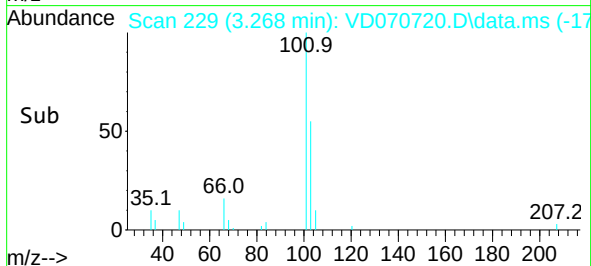
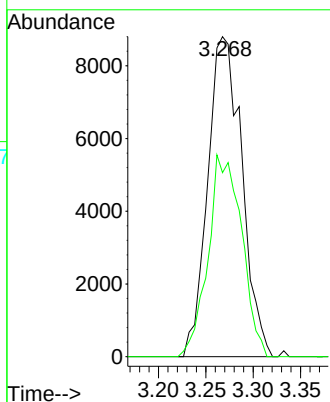
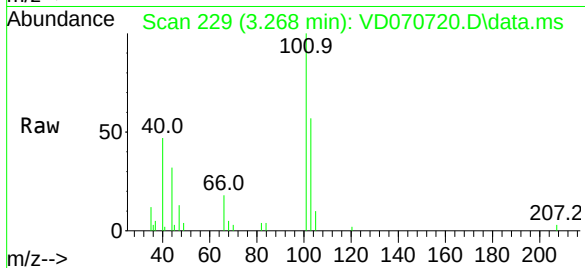




#7
Trichlorofluoromethane
Concen: 2.896 ug/l
RT: 3.268 min Scan# 229
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

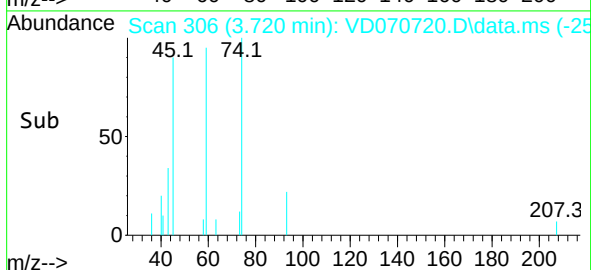
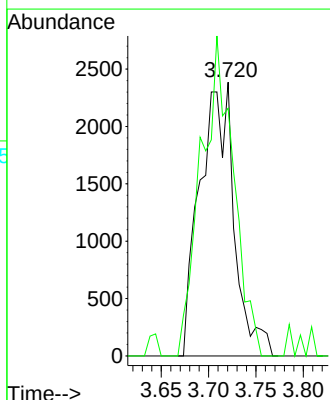
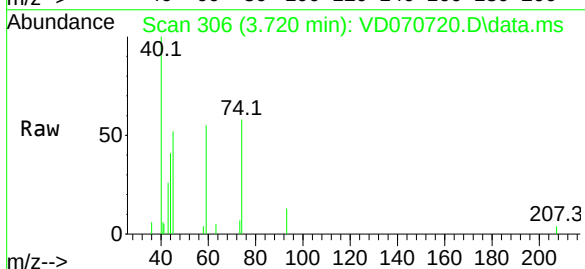
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

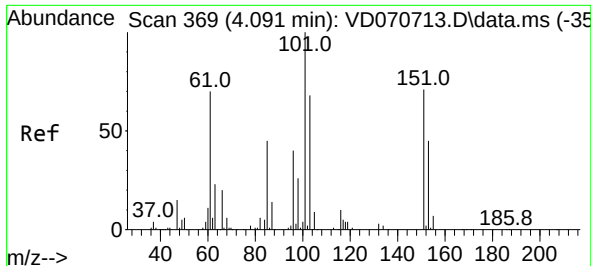
Tgt Ion:101 Resp: 22088
Ion Ratio Lower Upper
101 100
103 57.5 50.1 75.1



#8
Diethyl Ether
Concen: 2.937 ug/l
RT: 3.720 min Scan# 306
Delta R.T. 0.012 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 74 Resp: 5969
Ion Ratio Lower Upper
74 100
45 110.9 45.1 135.5

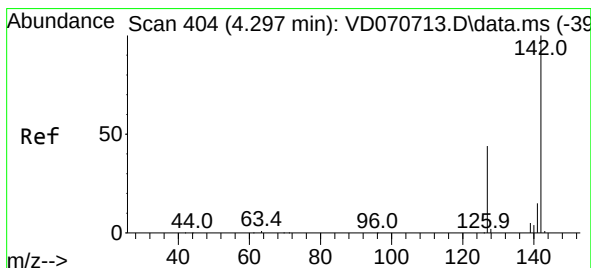
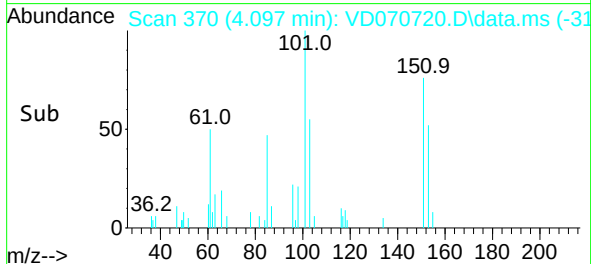
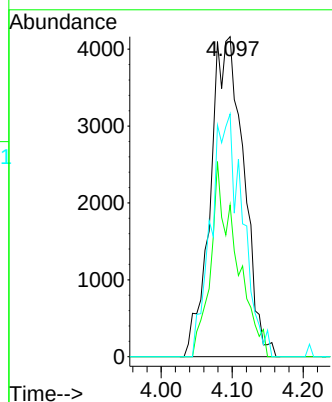
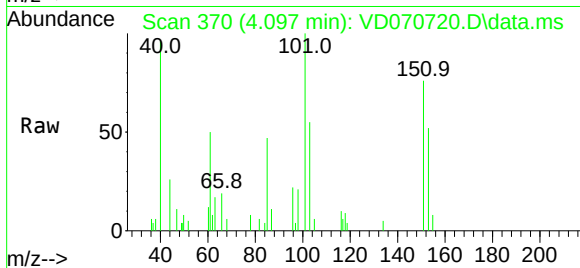




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.963 ug/l
RT: 4.097 min Scan# 370
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

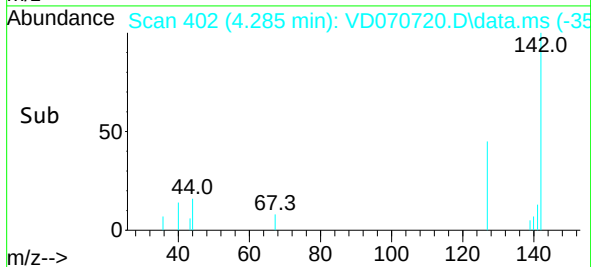
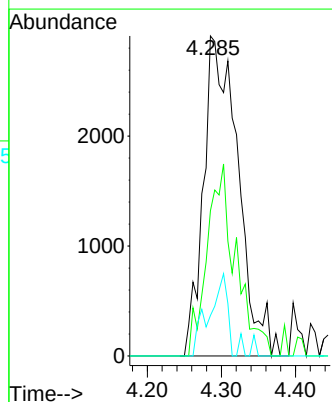
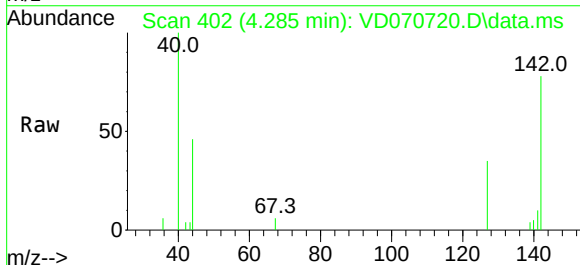
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

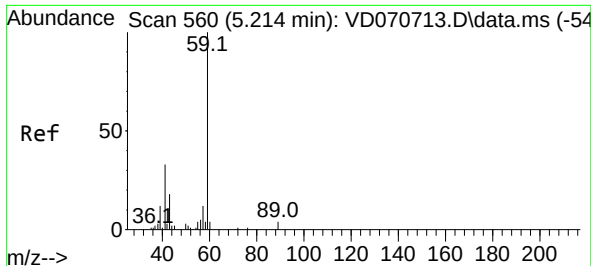
Tgt Ion:101	Resp:	13519
Ion Ratio	Lower	Upper
101	100	
85	46.6	35.5 53.3
151	72.2	55.8 83.8



#10
Methyl Iodide
Concen: 2.263 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

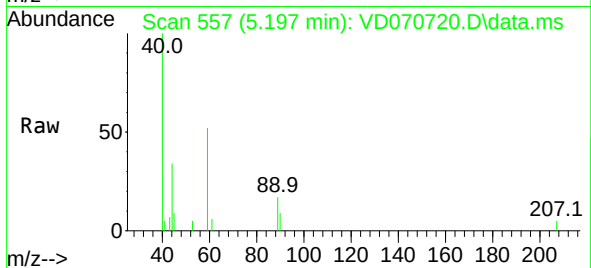
Tgt Ion:142	Resp:	9444
Ion Ratio	Lower	Upper
142	100	
127	0.0	37.5 56.3#
141	3.7	12.1 18.1#



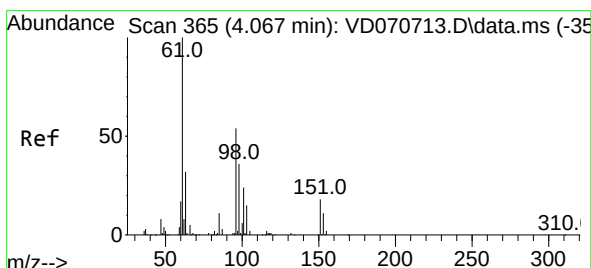
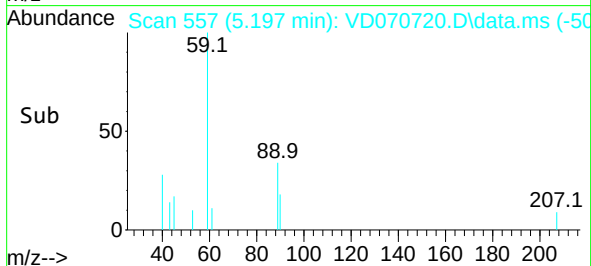
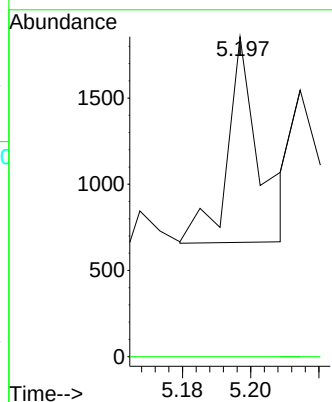


#11
Tert butyl alcohol
Concen: 3.112 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

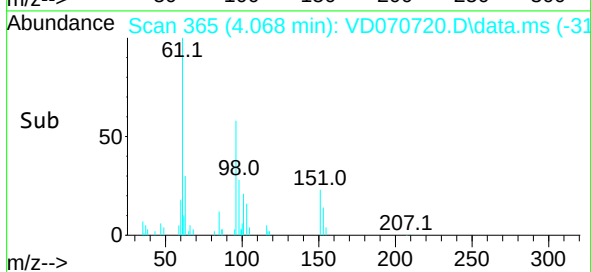
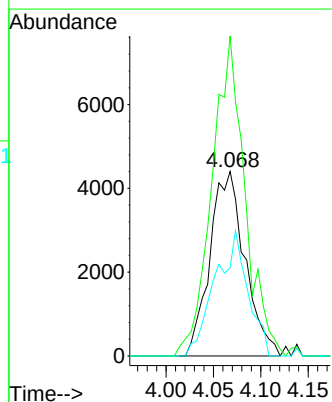
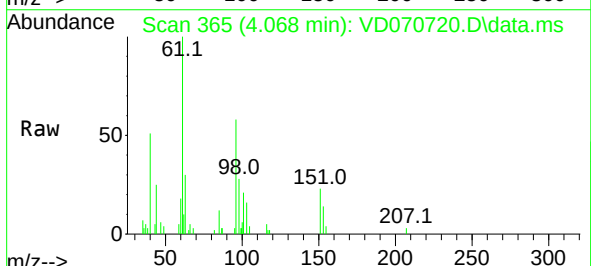


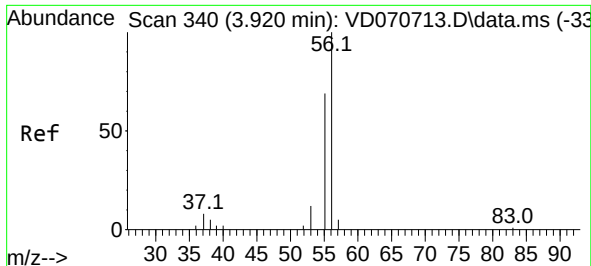
Tgt Ion: 59 Resp: 783
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 2.743 ug/l
RT: 4.068 min Scan# 365
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 96 Resp: 11315
Ion Ratio Lower Upper
96 100
61 169.8 125.9 188.9
98 47.9 52.3 78.5#

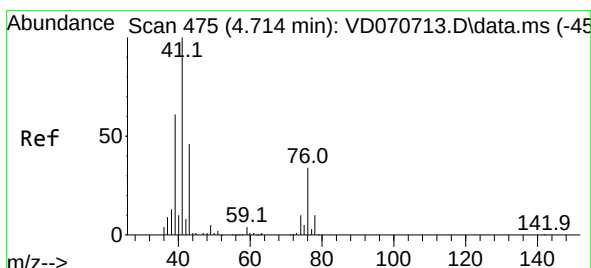
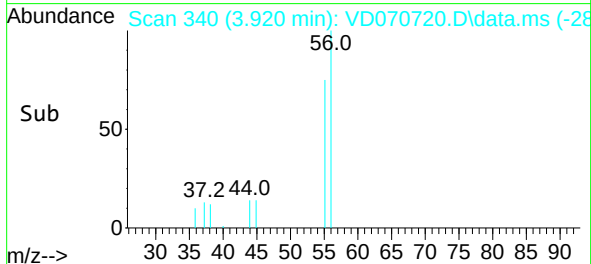
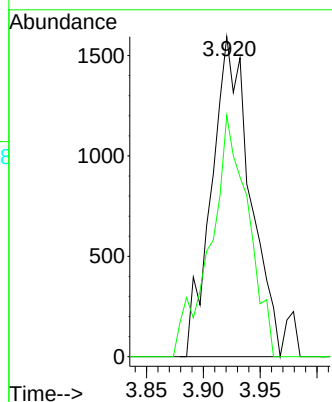
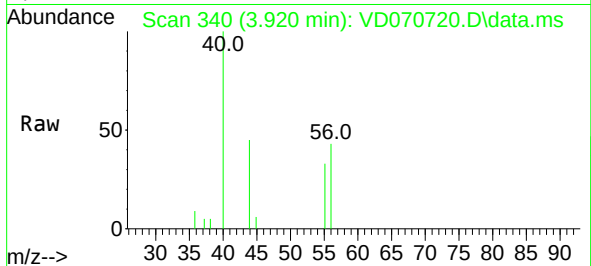




#13
Acrolein
Concen: 15.454 ug/l
RT: 3.920 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

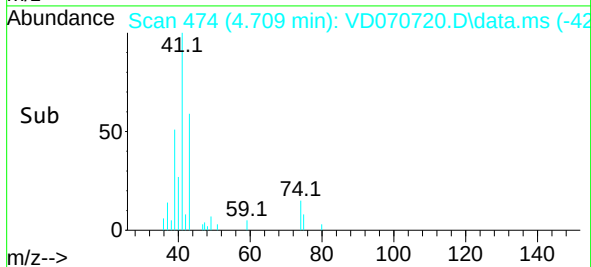
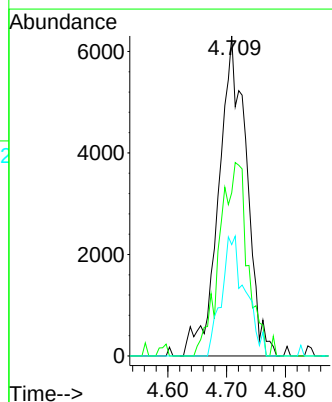
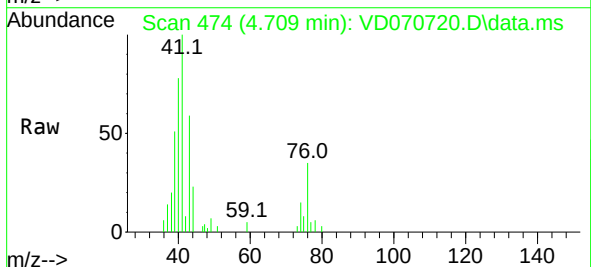
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

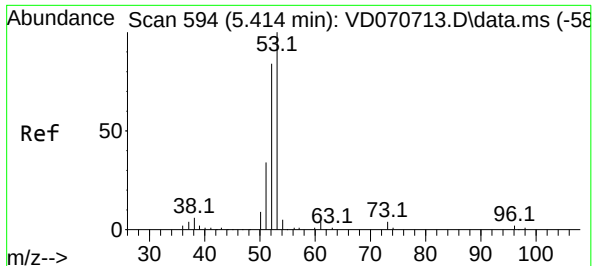
Tgt Ion: 56 Resp: 3764
Ion Ratio Lower Upper
56 100
55 74.1 56.8 85.2



#14
Allyl chloride
Concen: 2.660 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 41 Resp: 20768
Ion Ratio Lower Upper
41 100
39 60.9 46.4 69.6
76 32.2 34.6 51.8#

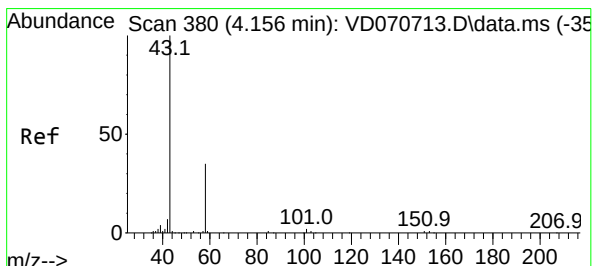
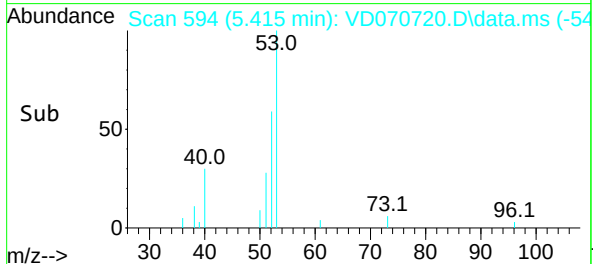
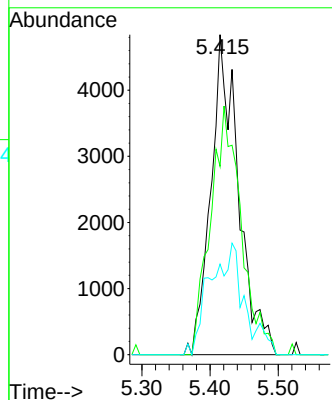
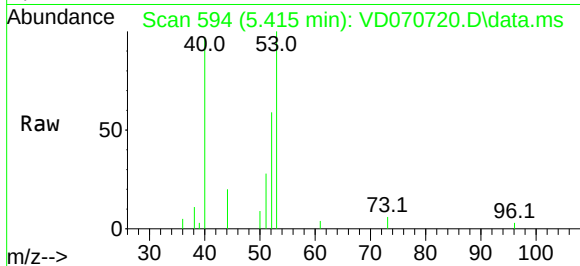




#15
Acrylonitrile
Concen: 12.732 ug/l
RT: 5.415 min Scan# 594
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

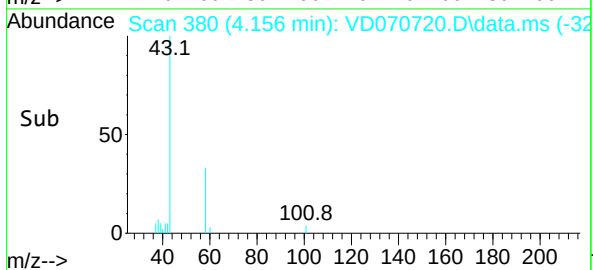
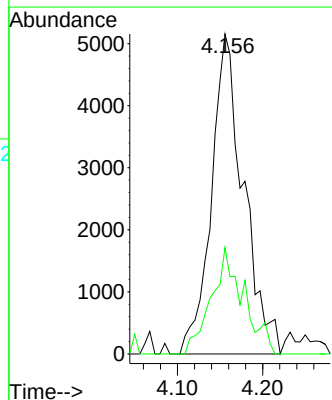
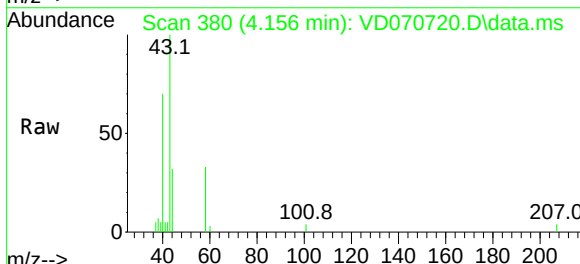
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

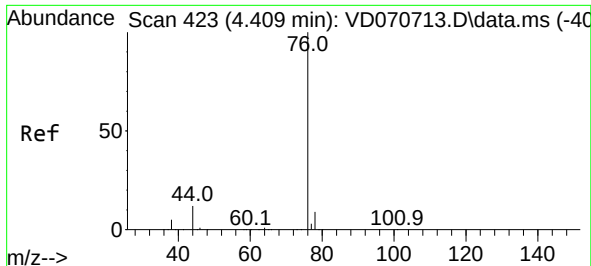
Tgt Ion:	53	Resp:	13624
Ion	Ratio	Lower	Upper
53	100		
52	86.2	64.6	97.0
51	40.1	28.7	43.1



#16
Acetone
Concen: 12.454 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:	43	Resp:	13503
Ion	Ratio	Lower	Upper
43	100		
58	33.3	28.2	42.2

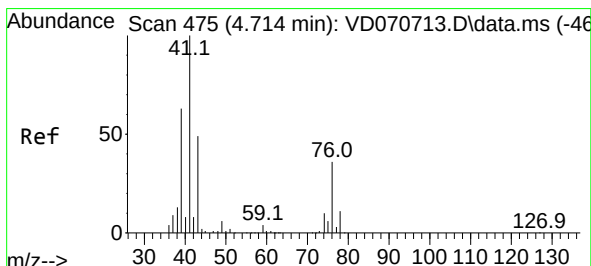
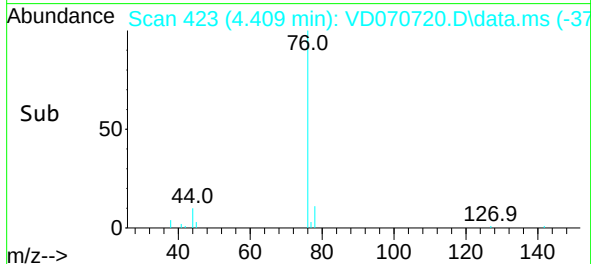
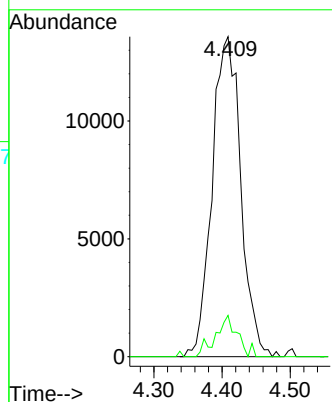
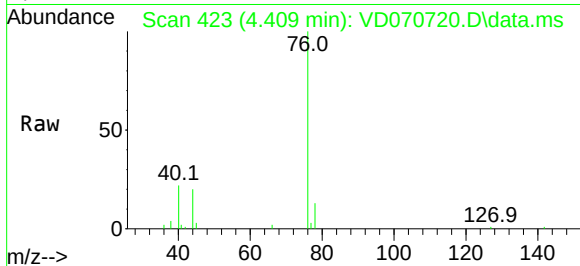




#17
Carbon Disulfide
Concen: 2.642 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

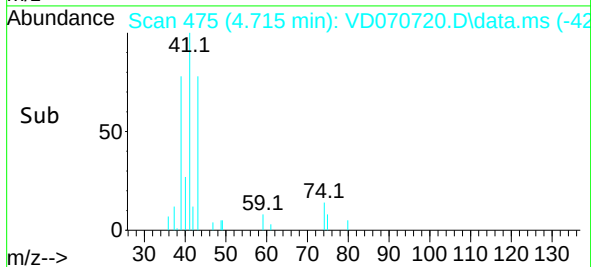
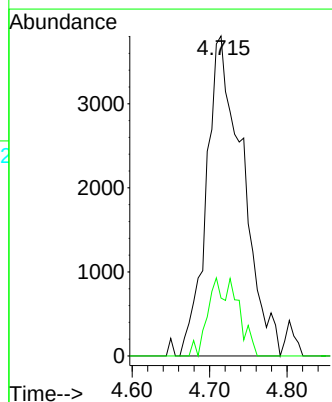
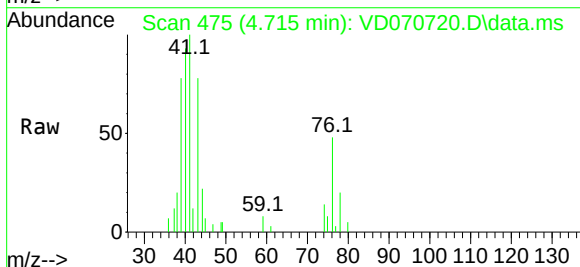
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

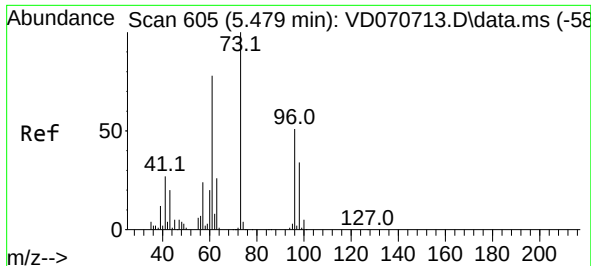
Tgt Ion: 76 Resp: 39712
Ion Ratio Lower Upper
76 100
78 12.9 7.4 11.2#



#18
Methyl Acetate
Concen: 3.283 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 43 Resp: 12374
Ion Ratio Lower Upper
43 100
74 11.4 22.6 33.8#

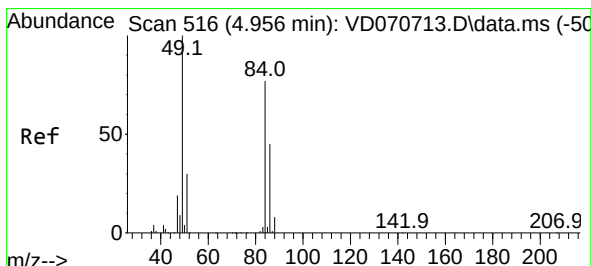
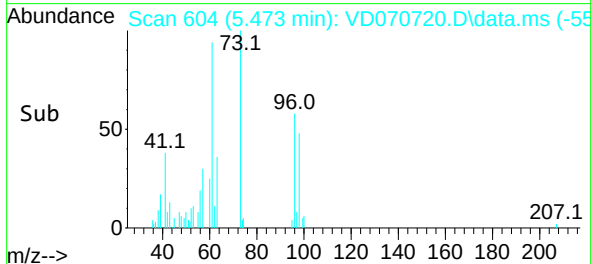
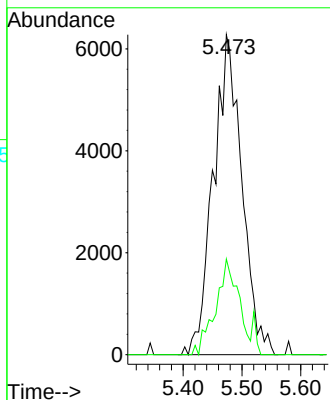
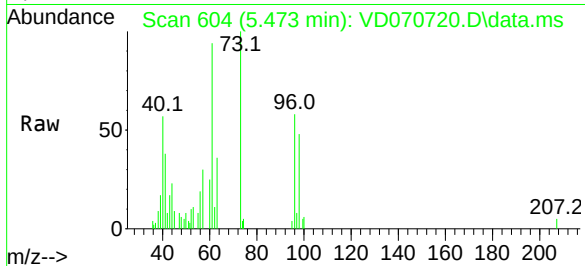




#19
Methyl tert-butyl Ether
Concen: 2.370 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

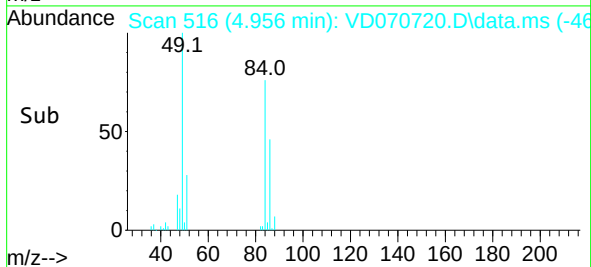
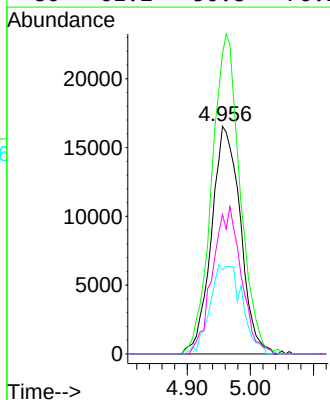
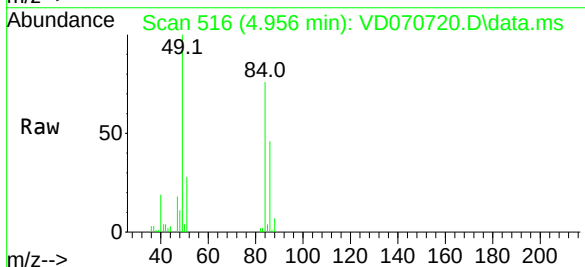
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

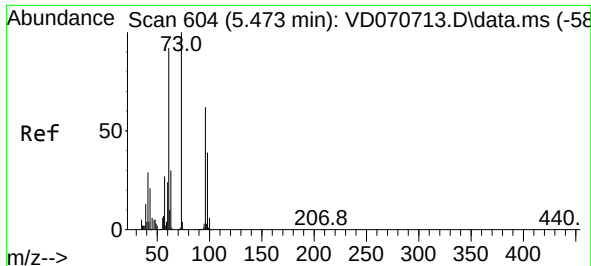
Tgt Ion: 73 Resp: 21135
Ion Ratio Lower Upper
73 100
57 29.9 18.1 27.1#



#20
Methylene Chloride
Concen: 7.523 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 84 Resp: 52643
Ion Ratio Lower Upper
84 100
49 131.9 91.4 137.2
51 37.0 26.7 40.1
86 61.2 50.8 76.2

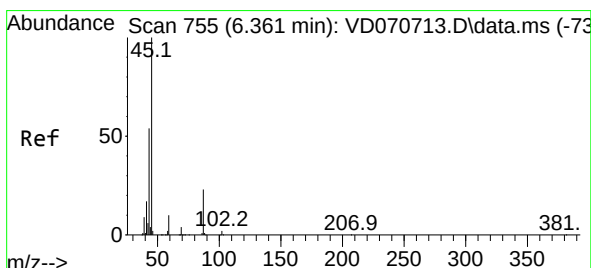
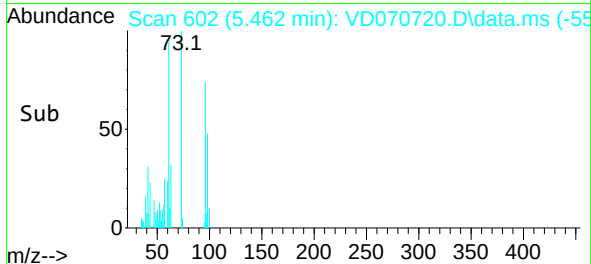
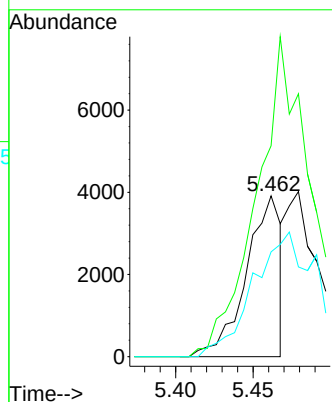
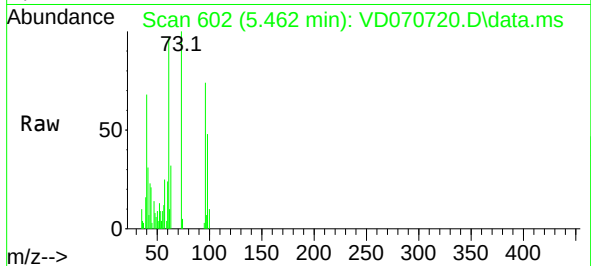




#21
trans-1,2-Dichloroethene
Concen: 1.295 ug/l
RT: 5.462 min Scan# 602
Delta R.T. -0.012 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

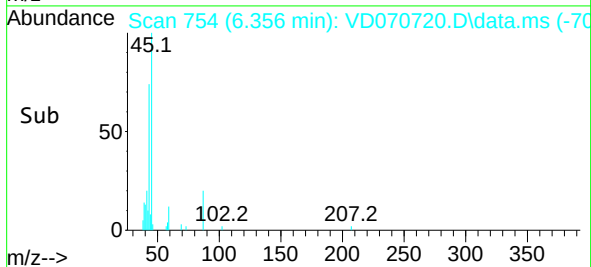
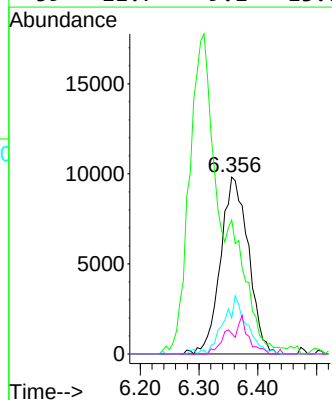
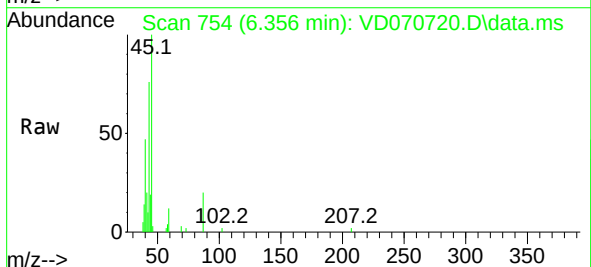
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

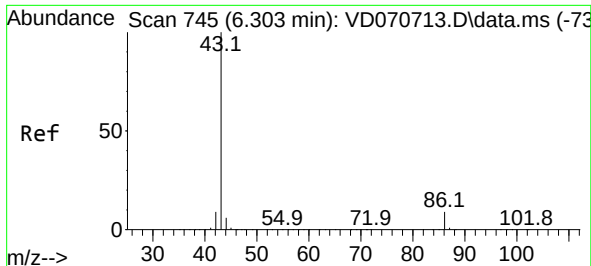
Tgt Ion: 96 Resp: 6129
Ion Ratio Lower Upper
96 100
61 131.1 111.1 166.7
98 65.2 51.9 77.9



#22
Diisopropyl ether
Concen: 2.127 ug/l
RT: 6.356 min Scan# 754
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 45 Resp: 32343
Ion Ratio Lower Upper
45 100
43 72.3 40.6 61.0#
87 20.3 24.6 37.0#
59 11.7 9.1 13.7

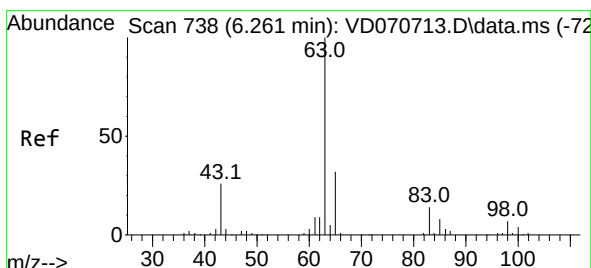
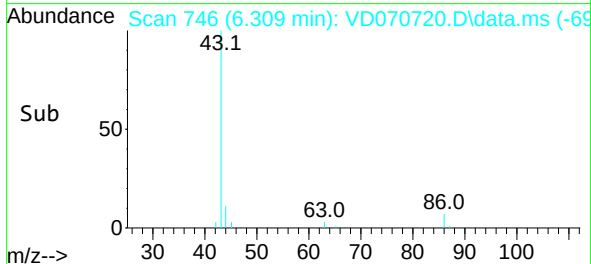
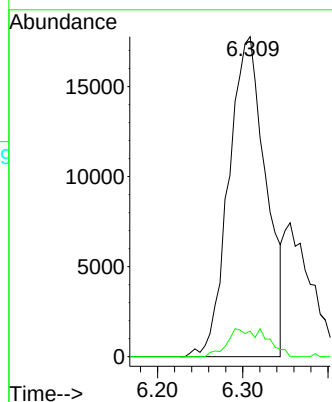
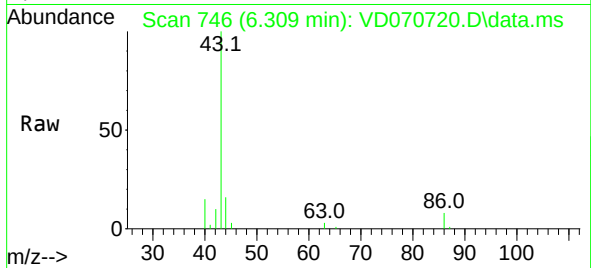




#23
 Vinyl Acetate
 Concen: 7.483 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD070720.D
 Acq: 15 Oct 2021 17:09

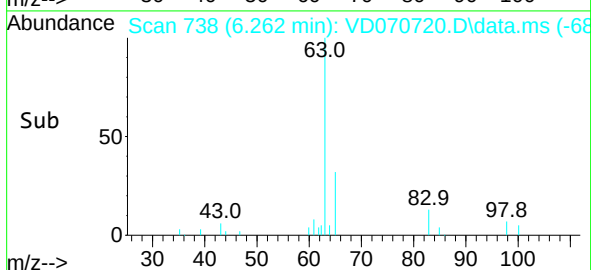
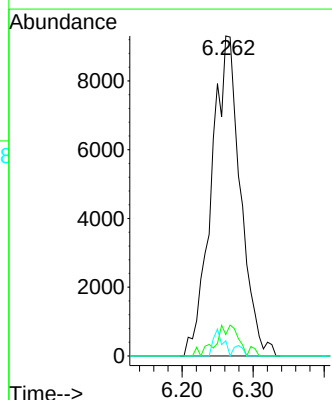
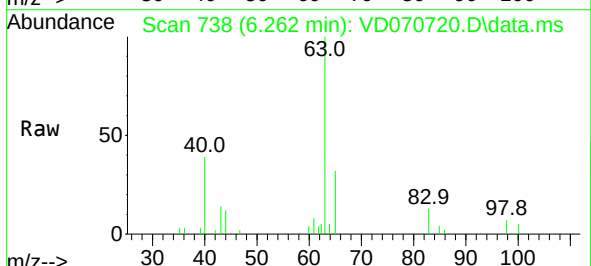
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

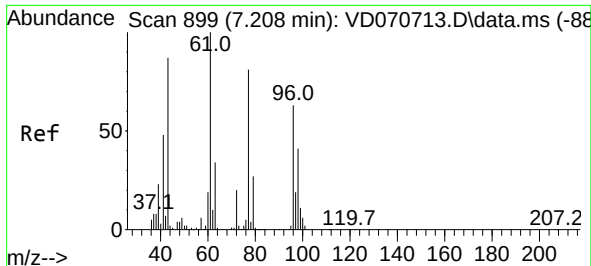
Tgt Ion: 43 Resp: 53750
 Ion Ratio Lower Upper
 43 100
 86 7.9 9.8 14.6#



#24
 1,1-Dichloroethane
 Concen: 2.784 ug/l
 RT: 6.262 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD070720.D
 Acq: 15 Oct 2021 17:09

Tgt Ion: 63 Resp: 26370
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.6 10.9
 100 4.7 2.4 7.2

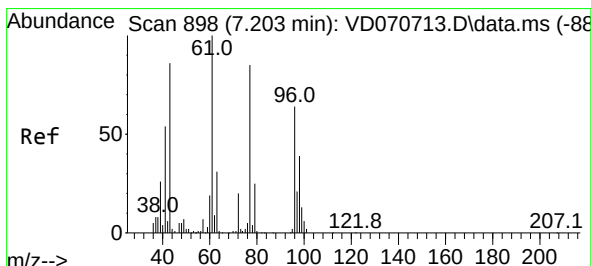
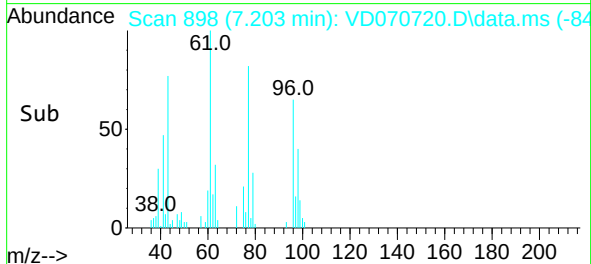
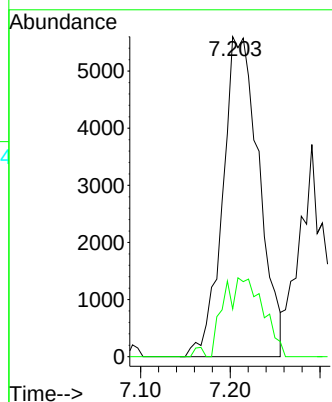
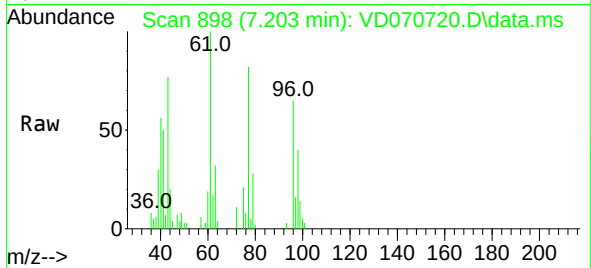




#25
2-Butanone
Concen: 11.769 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

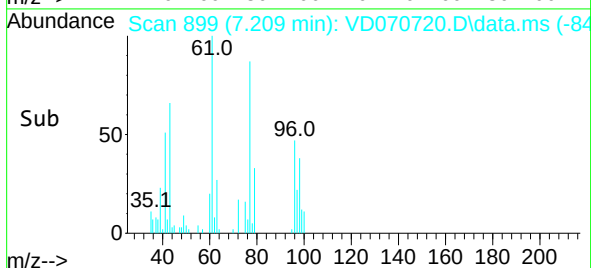
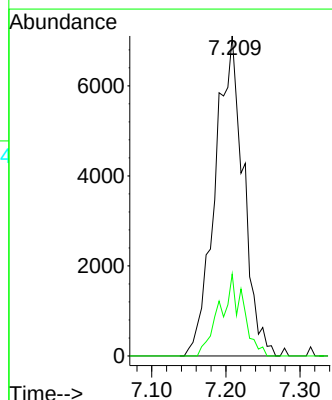
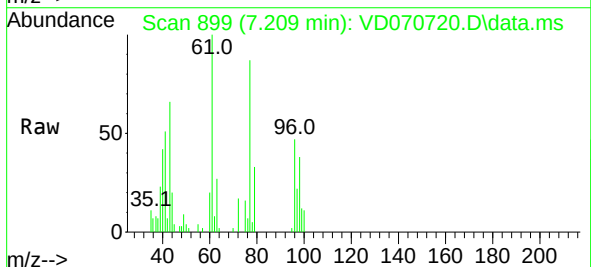
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

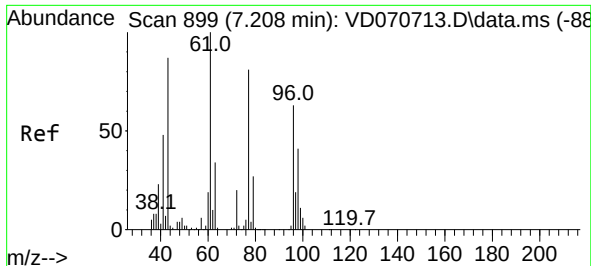
Tgt Ion: 43 Resp: 15763
Ion Ratio Lower Upper
43 100
72 14.9 25.2 37.8#



#26
2,2-Dichloropropane
Concen: 2.527 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 77 Resp: 18932
Ion Ratio Lower Upper
77 100
97 21.2 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 2.552 ug/l

RT: 7.197 min Scan# 897

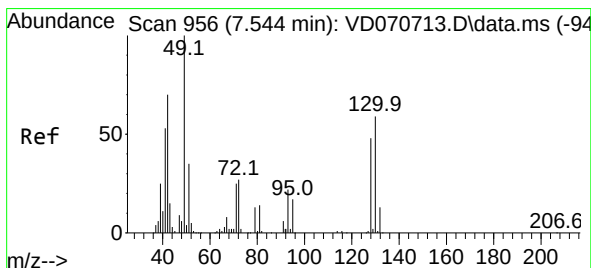
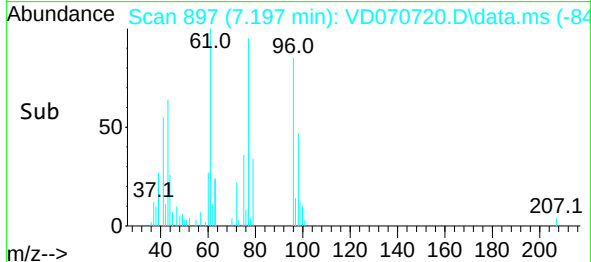
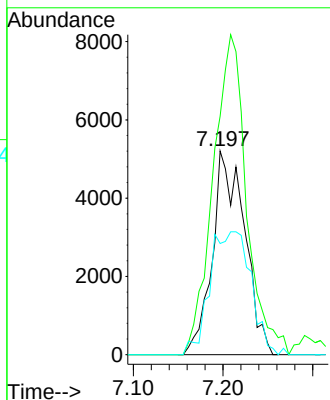
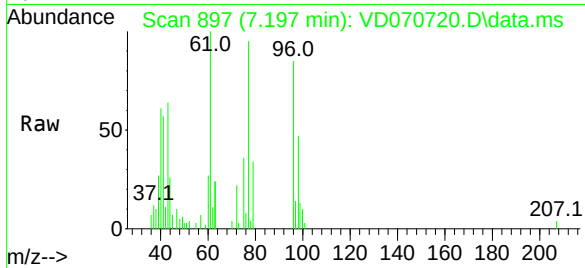
Delta R.T. -0.012 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	96	Resp:	12951
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	278.2
98	77.6	0.0	128.6

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021



#28

Bromochloromethane

Concen: 2.845 ug/l

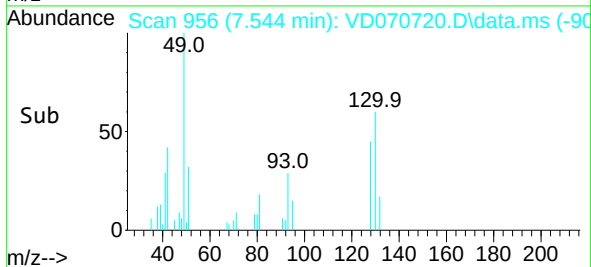
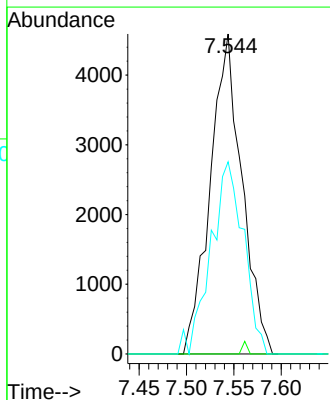
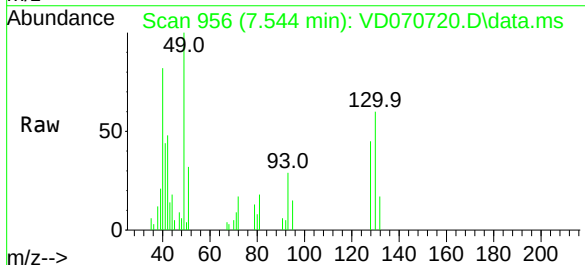
RT: 7.544 min Scan# 956

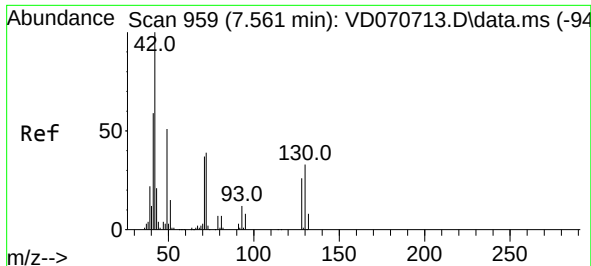
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	49	Resp:	10712
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.8
130	62.1	62.4	93.6#





#29

Tetrahydrofuran

Concen: 12.421 ug/l

RT: 7.561 min Scan# 959

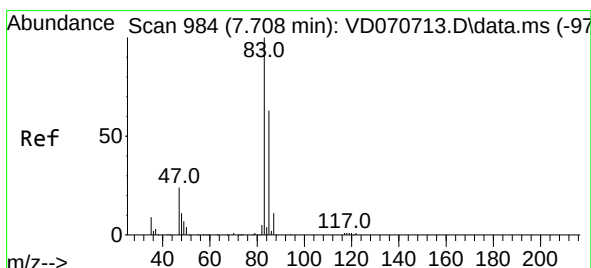
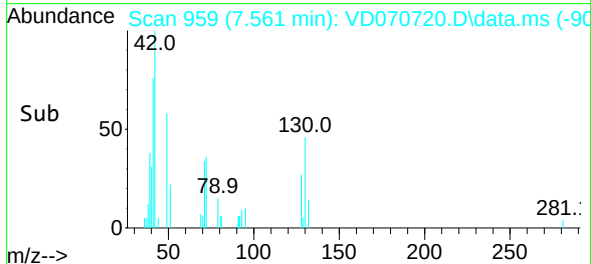
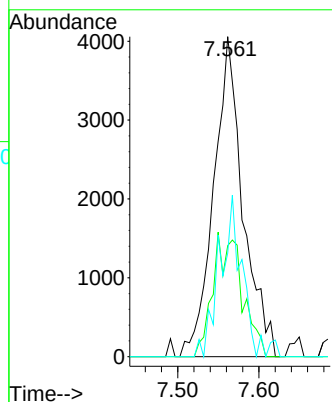
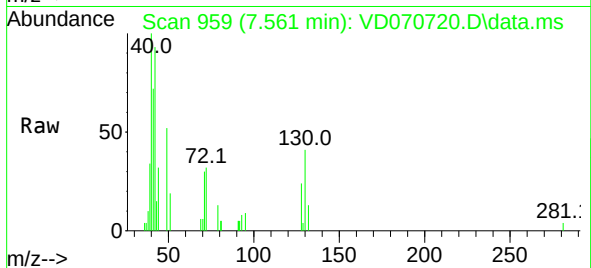
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	42	Resp:	10185
Ion	Ratio	Lower	Upper
42	100		
72	38.5	40.2	60.4#
71	36.9	37.2	55.8#

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021



#30

Chloroform

Concen: 2.903 ug/l

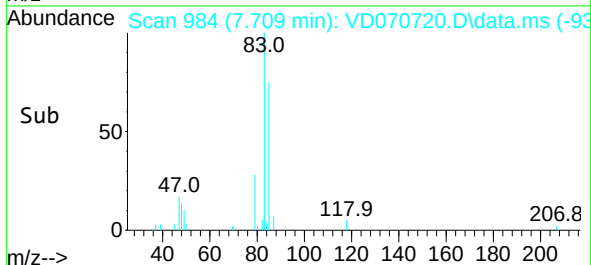
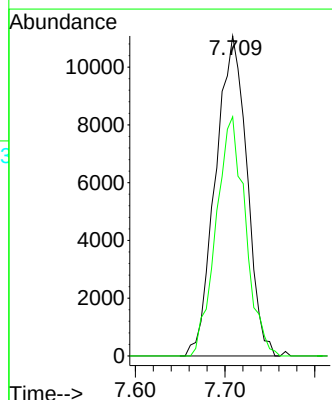
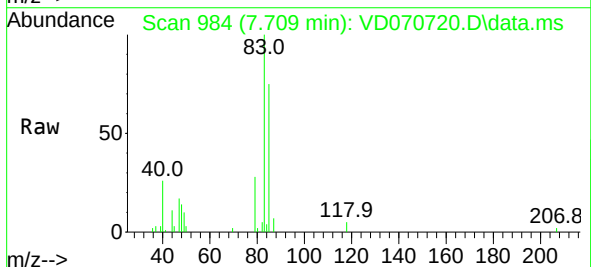
RT: 7.709 min Scan# 984

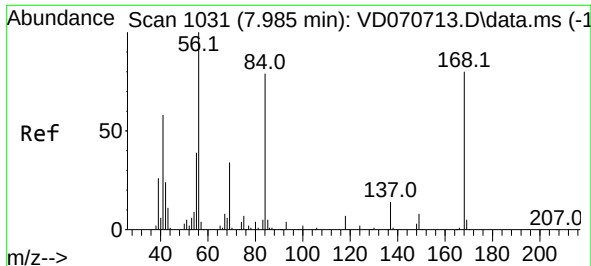
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	83	Resp:	26866
Ion	Ratio	Lower	Upper
83	100		
85	74.8	51.2	76.8





#31

Cyclohexane

Concen: 3.181 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

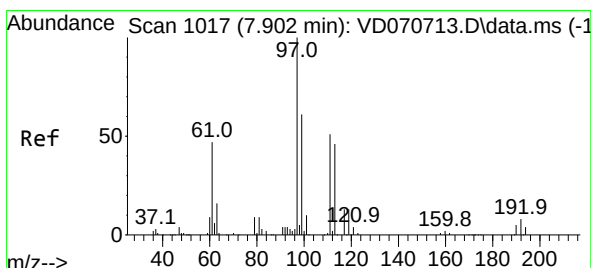
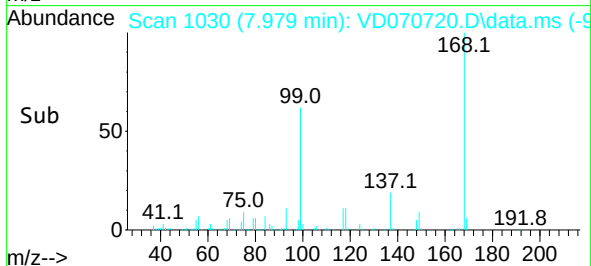
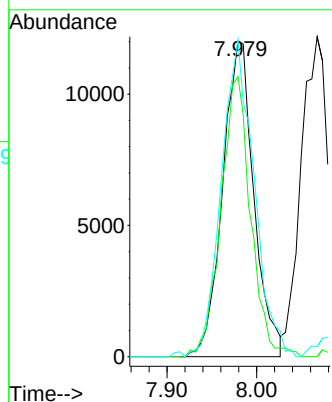
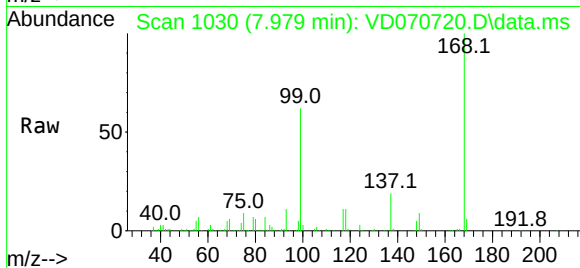
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:	56	Resp:	28930
Ion Ratio	Lower	Upper	
56	100		
69	88.6	27.4	41.2#
84	98.8	73.6	110.4



#32

1,1,1-Trichloroethane

Concen: 2.752 ug/l

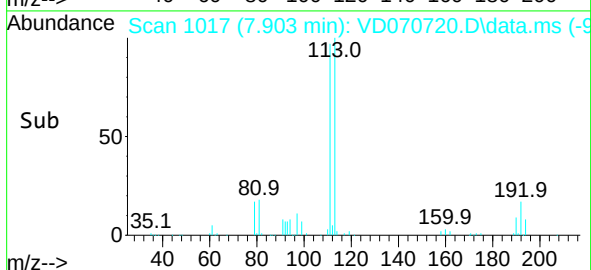
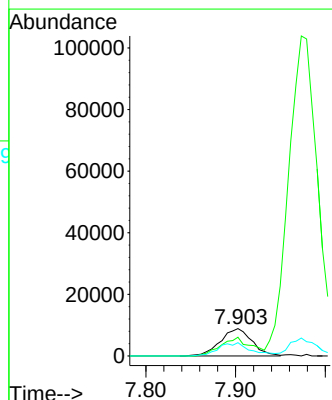
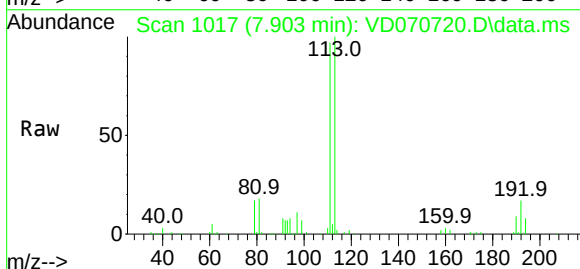
RT: 7.903 min Scan# 1017

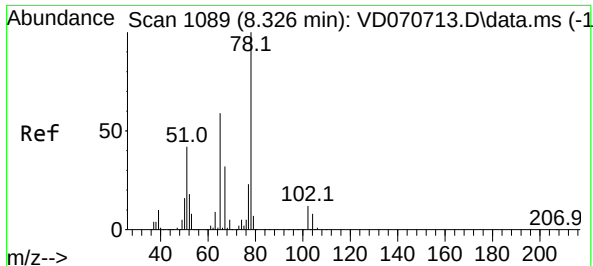
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	97	Resp:	21607
Ion Ratio	Lower	Upper	
97	100		
99	66.1	50.7	76.1
61	49.2	32.5	48.7#

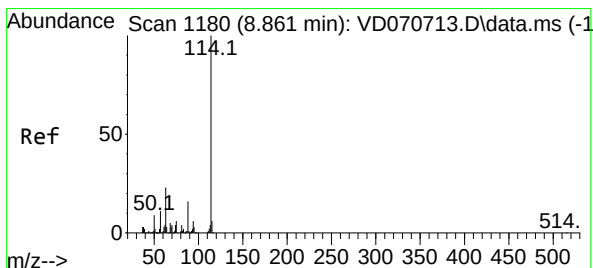
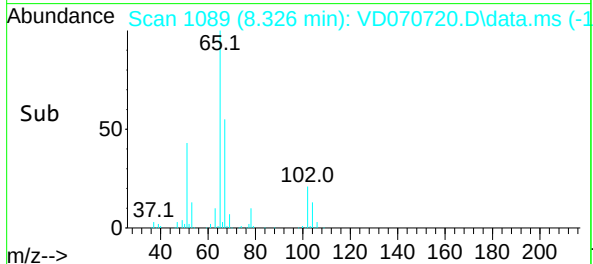
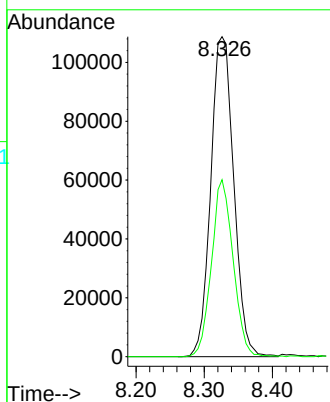
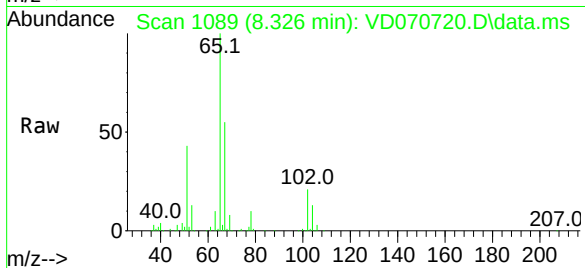




#33
1,2-Dichloroethane-d4
Concen: 56.885 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

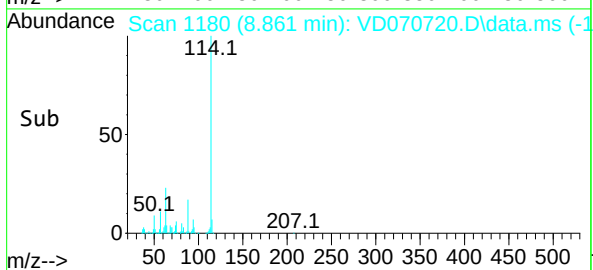
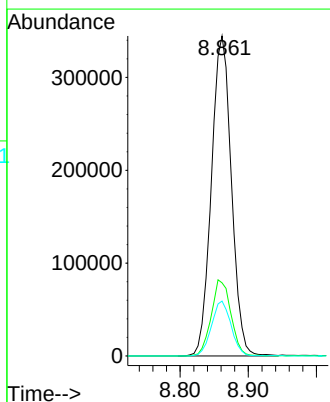
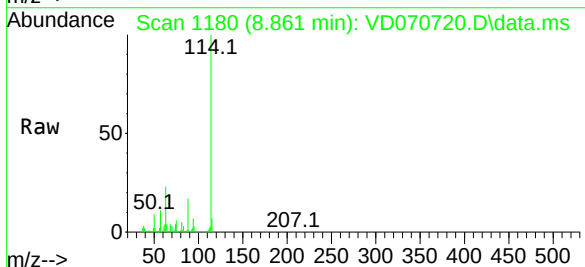
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

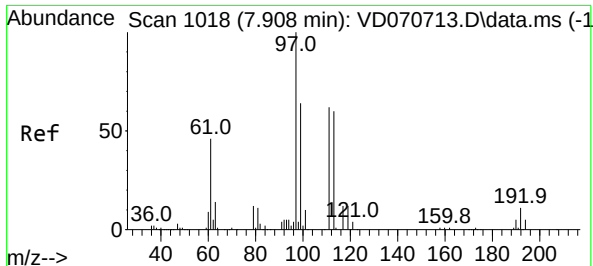
Tgt Ion: 65 Resp: 255710
Ion Ratio Lower Upper
65 100
67 51.9 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 114 Resp: 704011
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 17.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.590 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:113 Resp: 223542

Ion Ratio Lower Upper

113 100

111 101.8 83.1 124.7

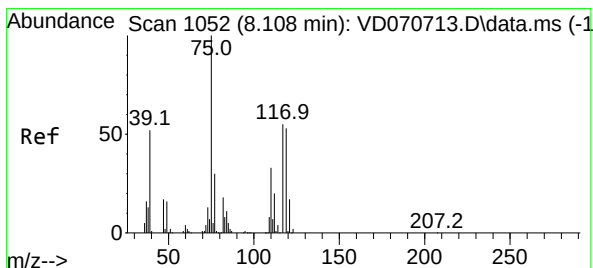
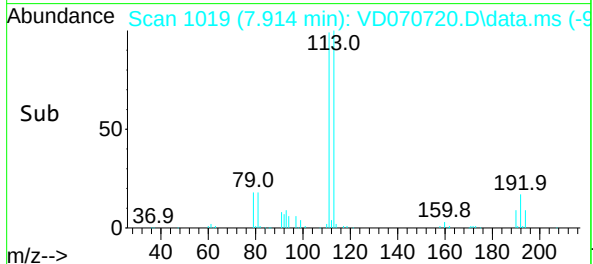
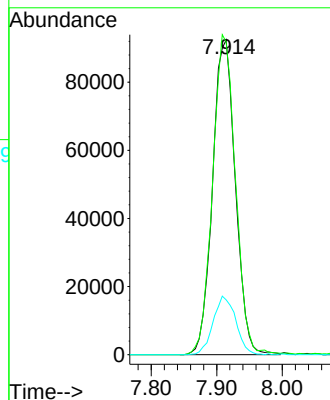
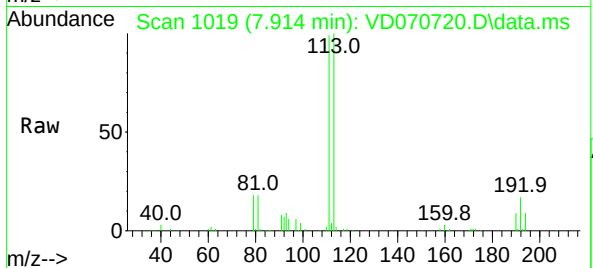
192 18.4 12.7 19.1

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2021



#36

1,1-Dichloropropene

Concen: 2.407 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

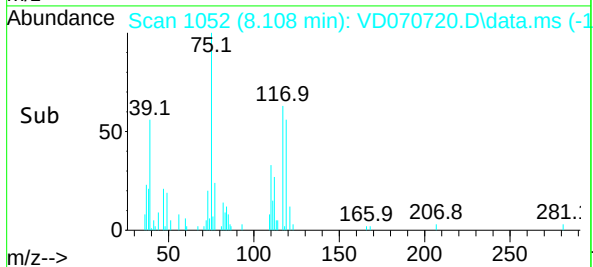
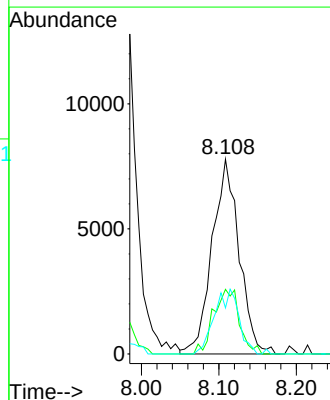
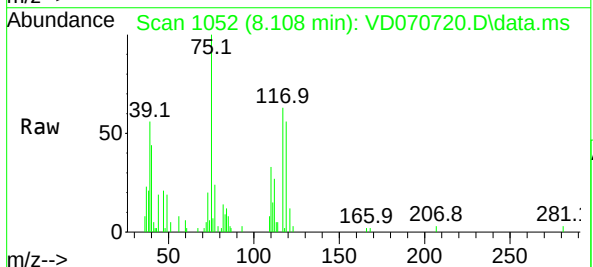
Tgt Ion: 75 Resp: 18881

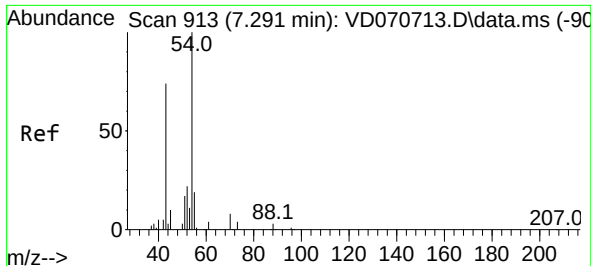
Ion Ratio Lower Upper

75 100

110 31.7 17.2 51.6

77 29.9 24.2 36.4





#37

Ethyl Acetate

Concen: 2.642 ug/l

RT: 7.291 min Scan# 913

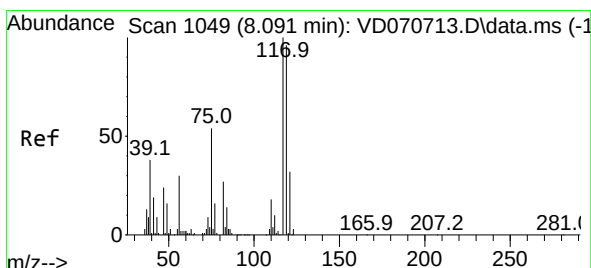
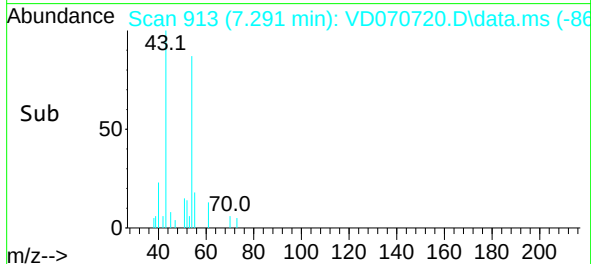
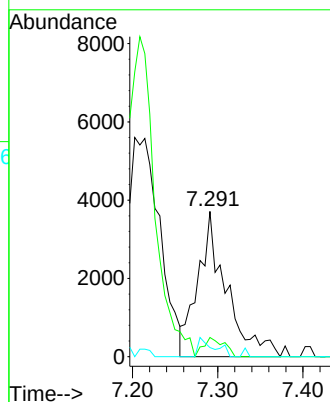
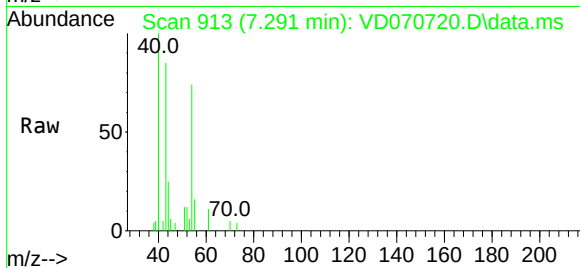
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:	43	Resp:	8586
Ion	Ratio	Lower	Upper
43	100		
61	9.5	12.9	19.3#
70	7.3	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 2.655 ug/l

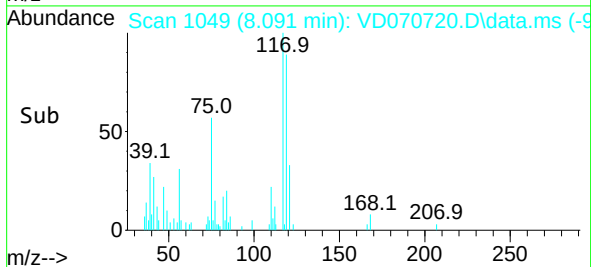
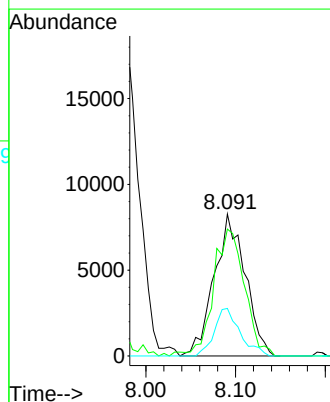
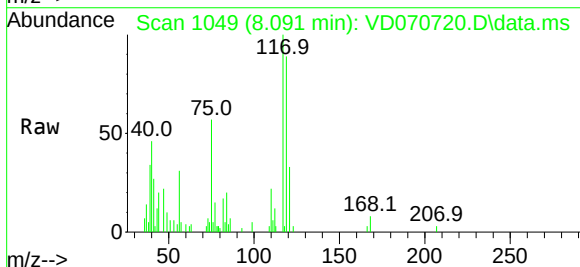
RT: 8.091 min Scan# 1049

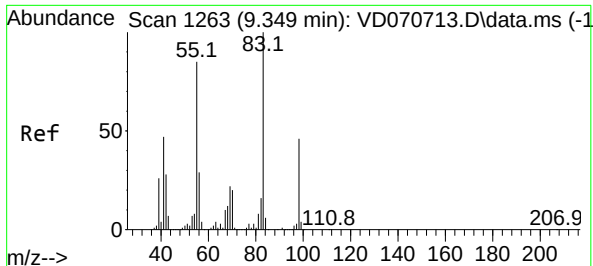
Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	117	Resp:	19946
Ion	Ratio	Lower	Upper
117	100		
119	89.5	77.4	116.0
121	33.5	25.4	38.0





#39

Methylcyclohexane

Concen: 2.213 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.006 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

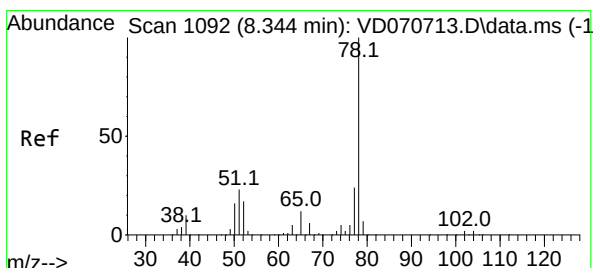
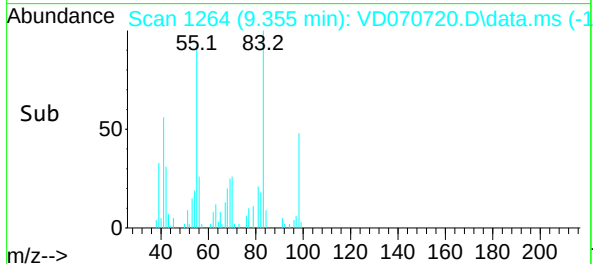
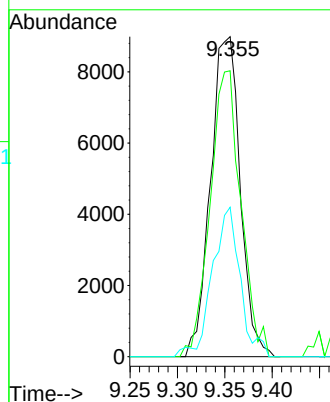
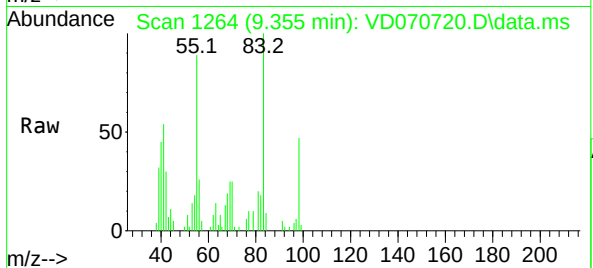
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:	83	Resp:	19574
Ion	Ratio	Lower	Upper
83	100		
55	89.3	58.2	87.4#
98	46.7	36.9	55.3



#40

Benzene

Concen: 2.498 ug/l

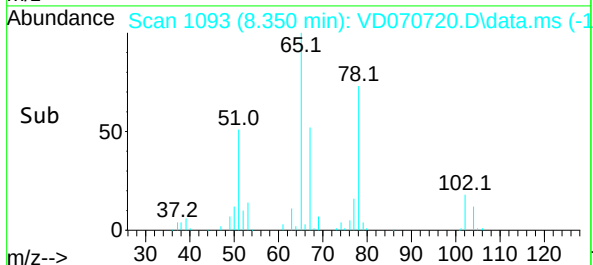
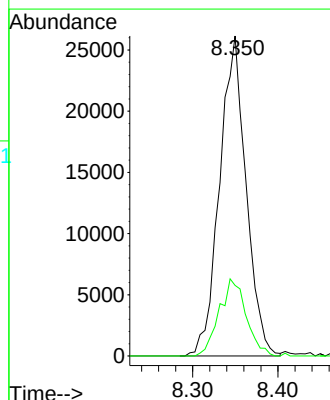
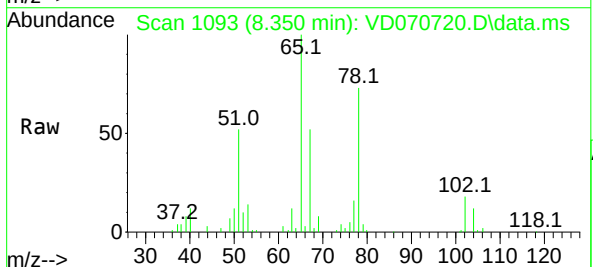
RT: 8.350 min Scan# 1093

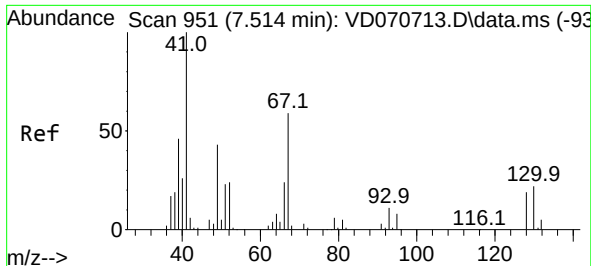
Delta R.T. 0.006 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion:	78	Resp:	56412
Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.9	28.3

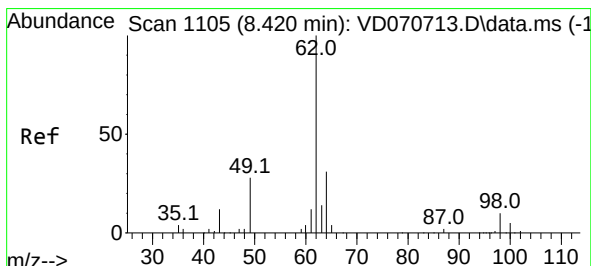
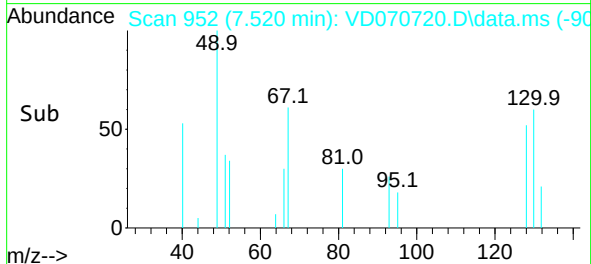
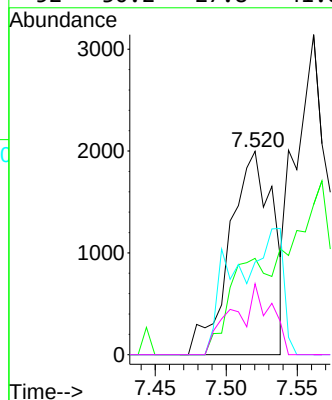
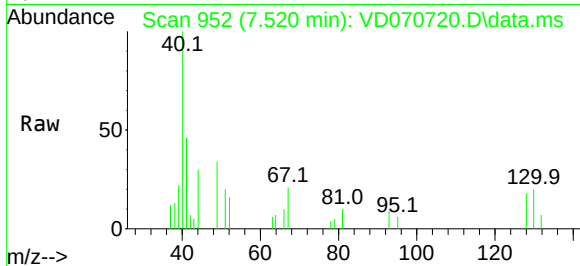




#41
Methacrylonitrile
Concen: 2.276 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

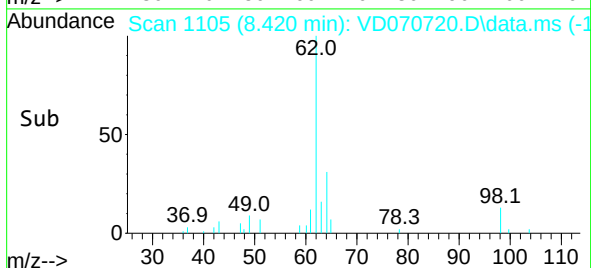
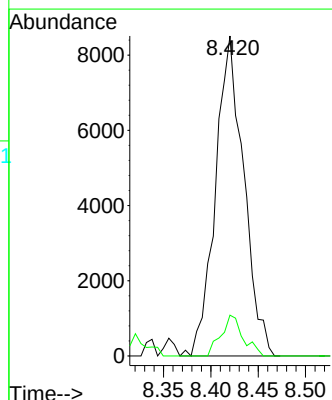
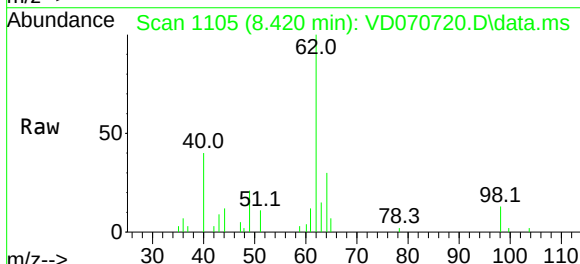
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

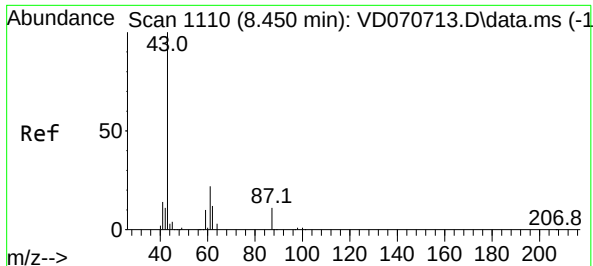
Tgt Ion:	41	Resp:	4245
Ion	Ratio	Lower	Upper
41	100		
39	44.8	45.2	67.8#
67	37.5	75.8	113.6#
52	30.2	27.8	41.8



#42
1,2-Dichloroethane
Concen: 2.764 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:	62	Resp:	17720
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0





#43

Isopropyl Acetate

Concen: 2.742 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

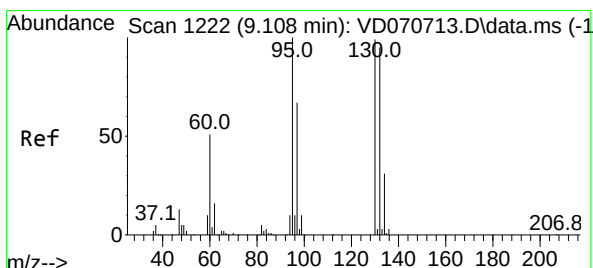
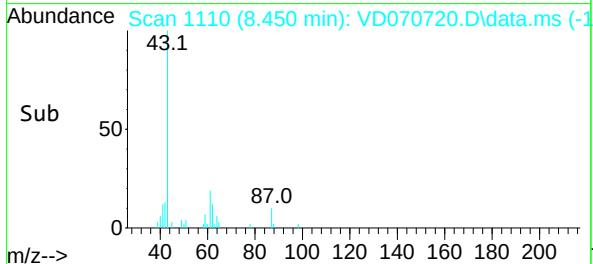
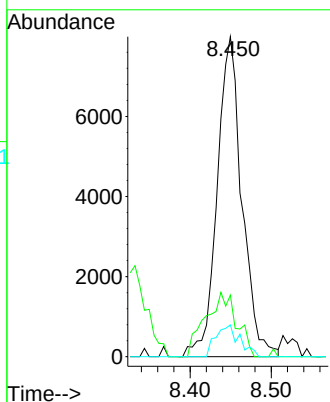
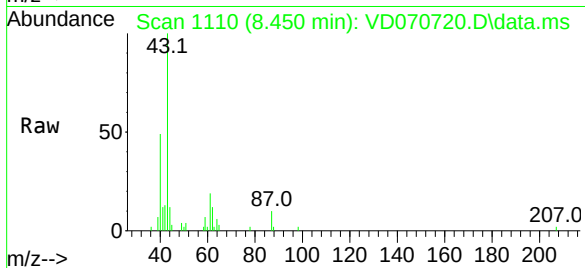
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion: 43	Resp: 16996
Ion Ratio	Lower Upper
43 100	
61 25.4	29.0 43.4#
87 9.5	11.8 17.6#



#44

Trichloroethene

Concen: 2.664 ug/l

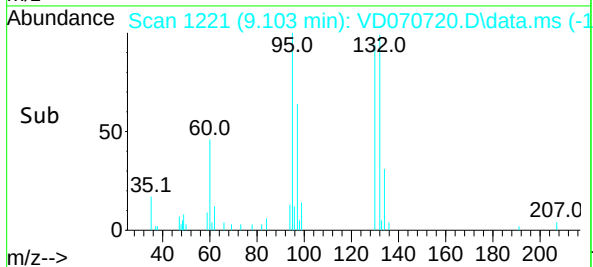
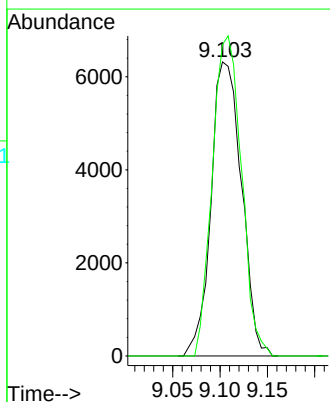
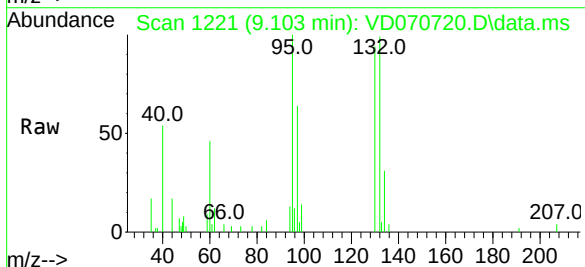
RT: 9.103 min Scan# 1221

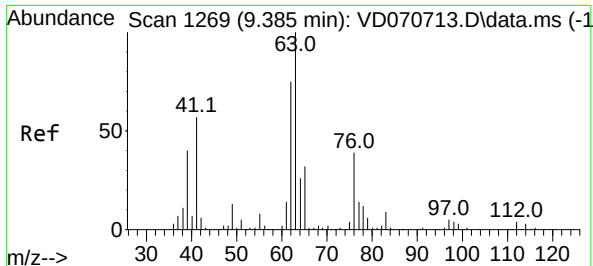
Delta R.T. -0.006 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion: 130	Resp: 14129
Ion Ratio	Lower Upper
130 100	
95 105.9	0.0 200.8



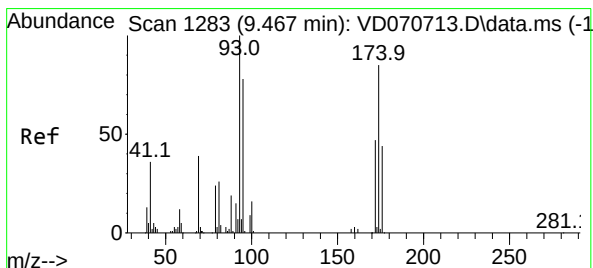
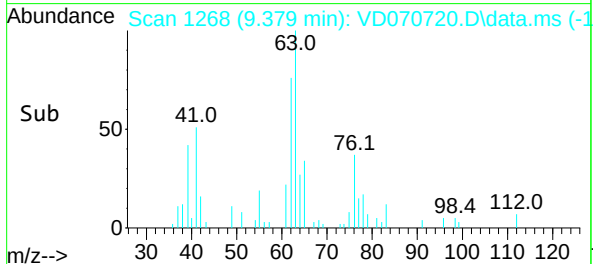
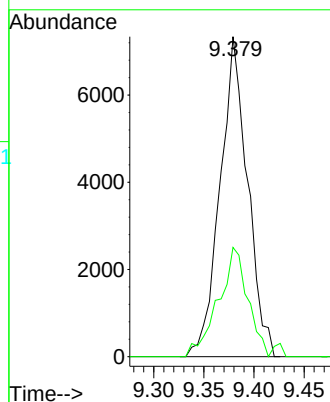
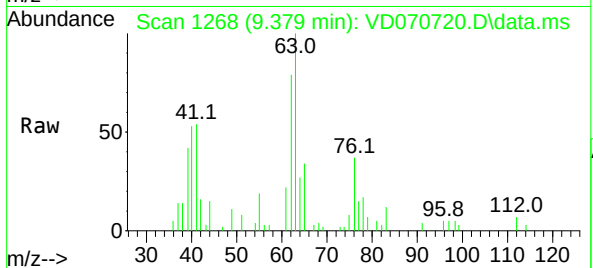


#45

1,2-Dichloropropane
Concen: 2.346 ug/l
RT: 9.379 min Scan# 1268
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

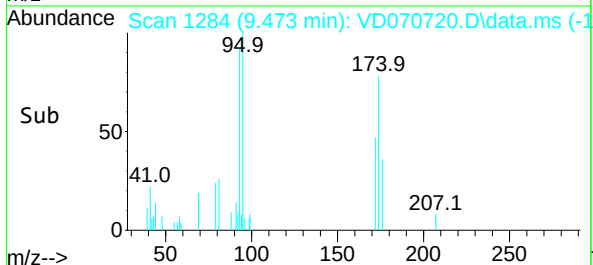
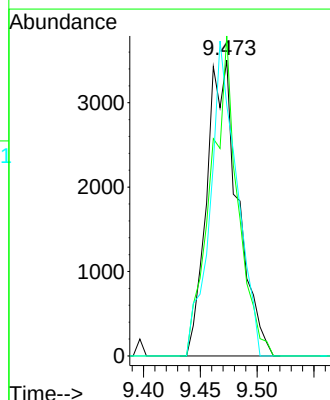
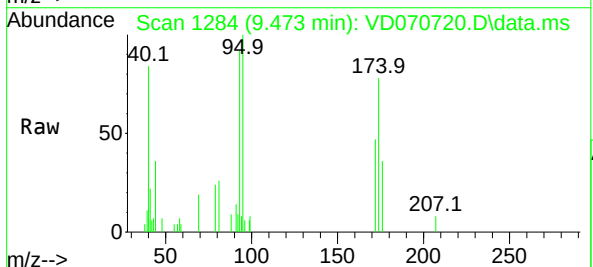
Tgt Ion: 63 Resp: 13999
Ion Ratio Lower Upper
63 100
65 34.1 23.8 35.8

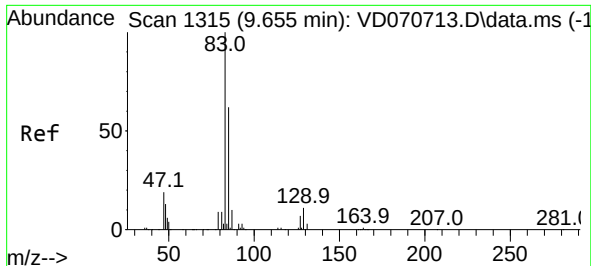


#46

Dibromomethane
Concen: 2.342 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 93 Resp: 6694
Ion Ratio Lower Upper
93 100
95 92.9 66.5 99.7
174 91.8 66.7 100.1

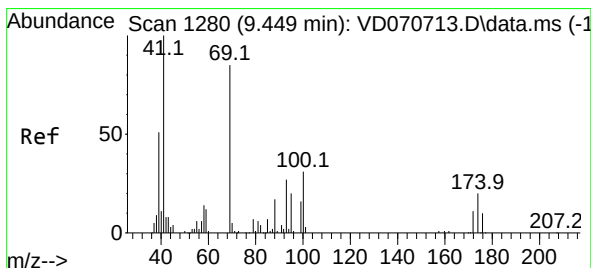
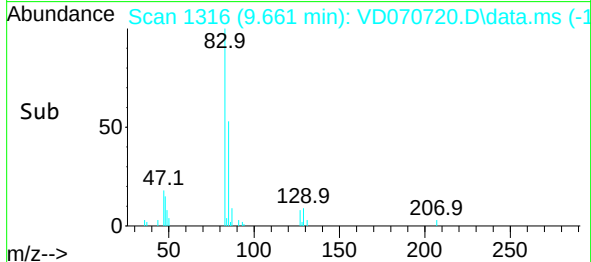
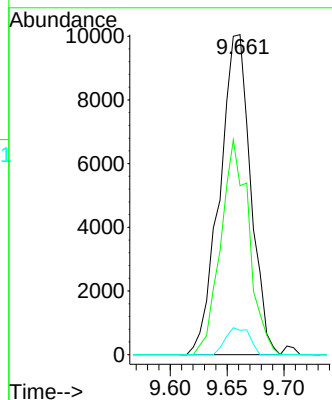
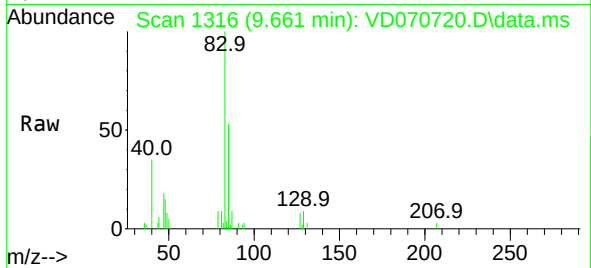




#47
Bromodichloromethane
Concen: 2.518 ug/l
RT: 9.661 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

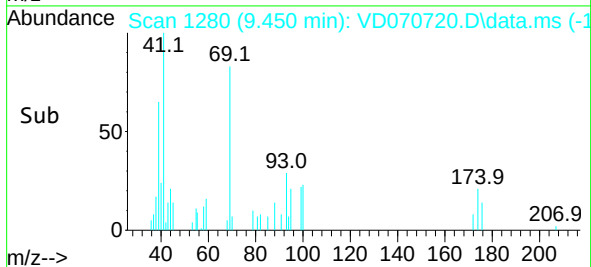
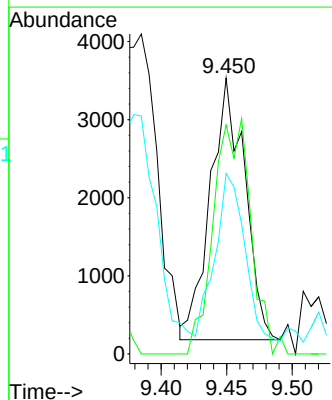
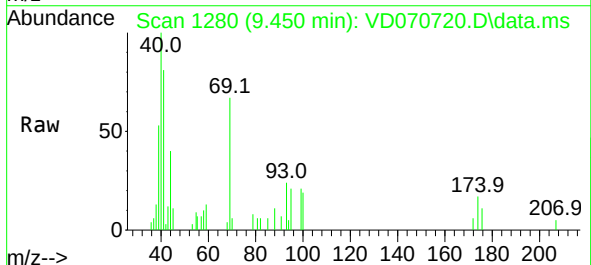
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

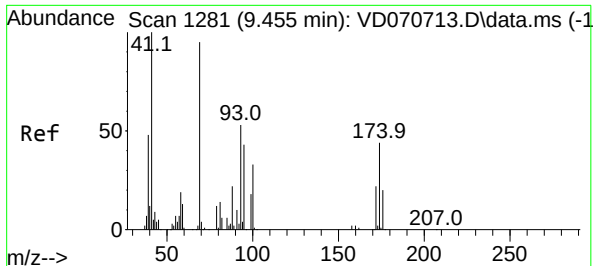
Tgt Ion: 83 Resp: 19089
Ion Ratio Lower Upper
83 100
85 52.8 50.7 76.1
127 7.7 6.5 9.7



#48
Methyl methacrylate
Concen: 2.008 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 41 Resp: 6097
Ion Ratio Lower Upper
41 100
69 97.1 78.5 117.7
39 65.5 34.9 52.3#

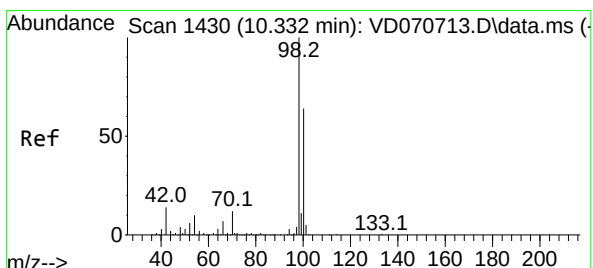
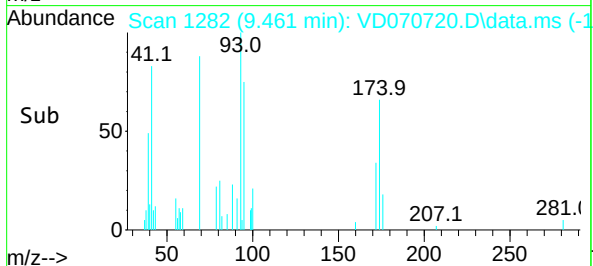
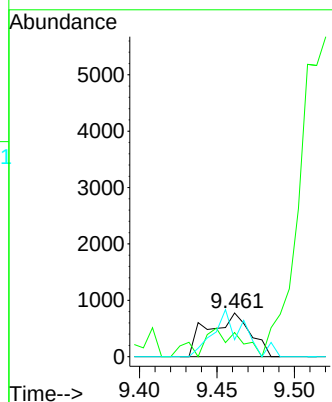
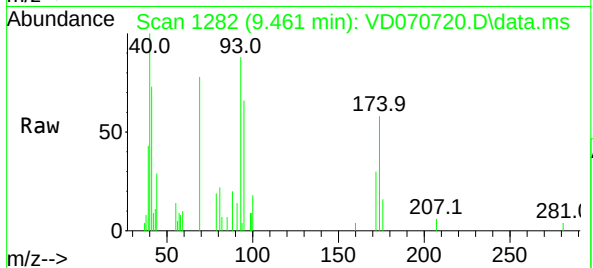




#49
1,4-Dioxane
Concen: 47.253 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

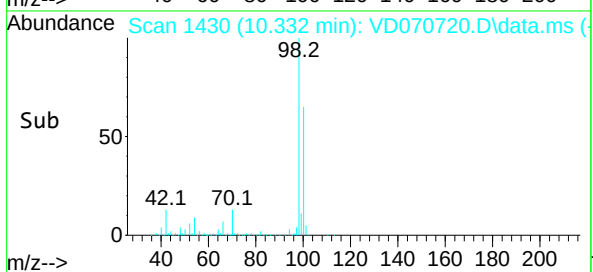
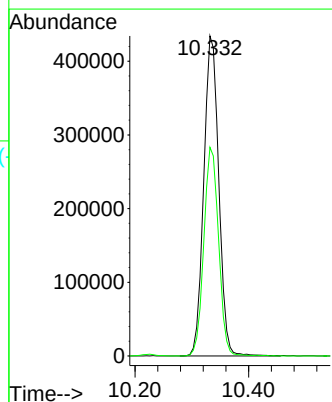
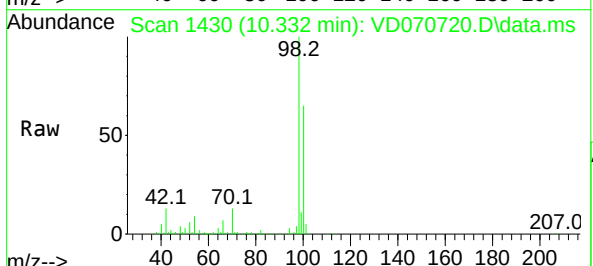
Instrument :
MSVOA_D
ClientSampleId :
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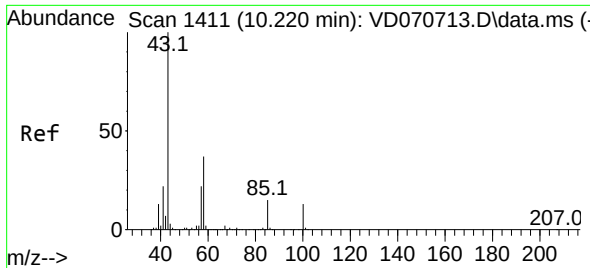
Tgt Ion: 88 Resp: 1450
Ion Ratio Lower Upper
88 100
43 60.9 25.1 37.7#
58 78.8 57.4 86.0



#50
Toluene-d8
Concen: 45.943 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 98 Resp: 793891
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

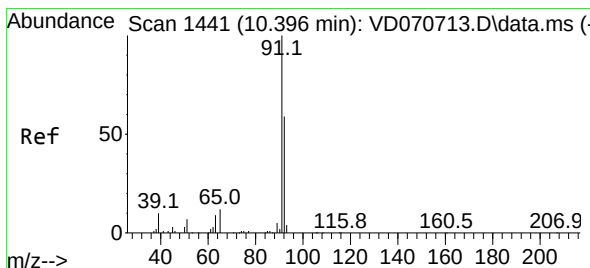
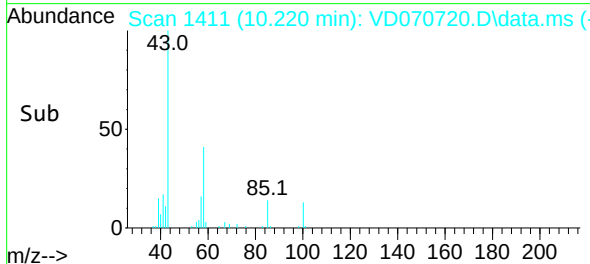
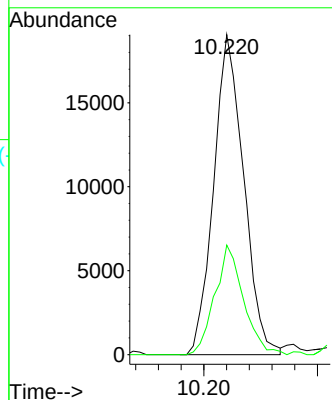
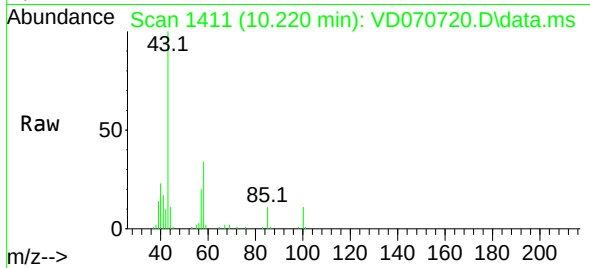




#51
4-Methyl-2-Pentanone
Concen: 10.706 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

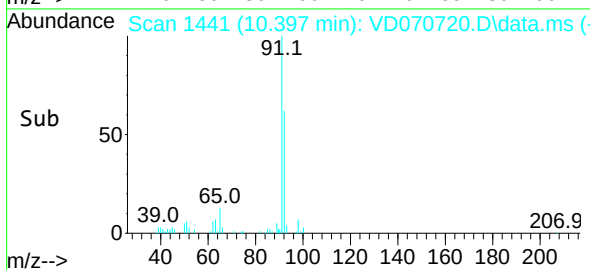
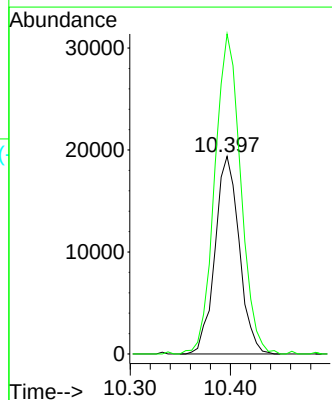
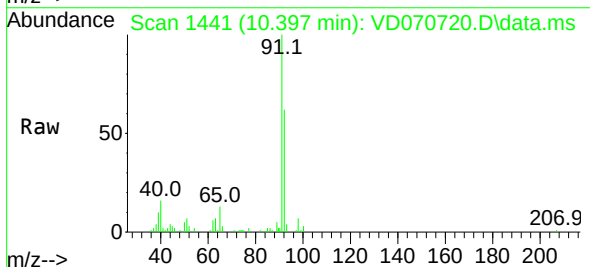
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

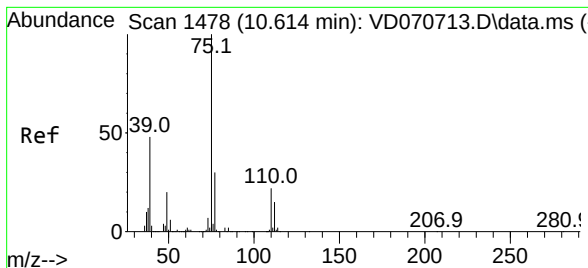
Tgt Ion: 43 Resp: 34974
Ion Ratio Lower Upper
43 100
58 32.6 35.0 52.6#



#52
Toluene
Concen: 2.408 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 92 Resp: 32379
Ion Ratio Lower Upper
92 100
91 173.7 136.3 204.5

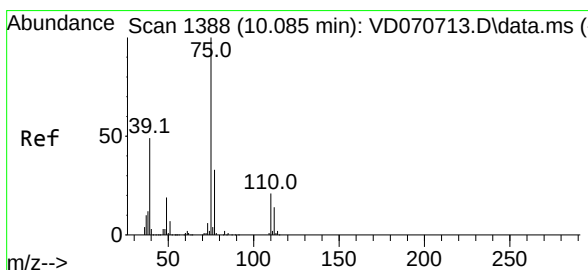
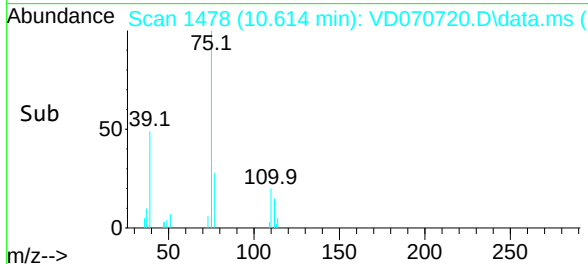
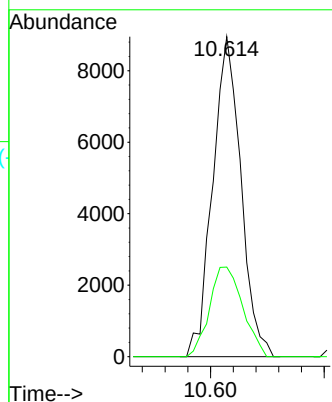
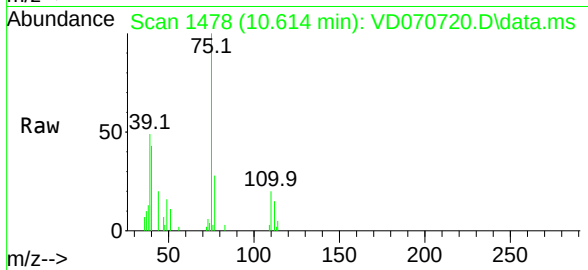




#53
t-1,3-Dichloropropene
Concen: 2.280 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

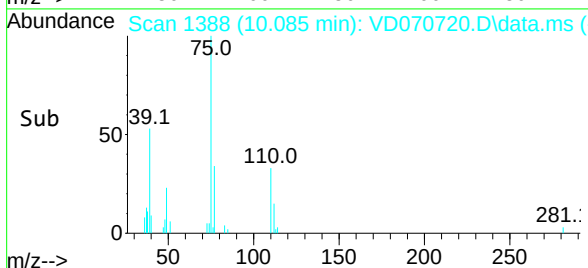
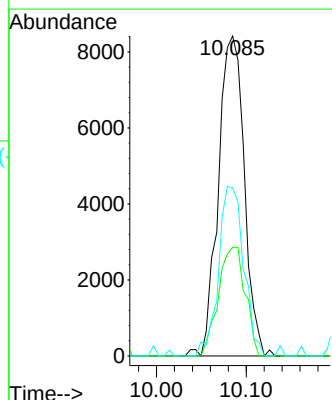
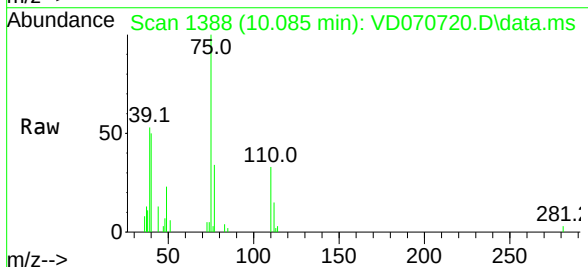
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

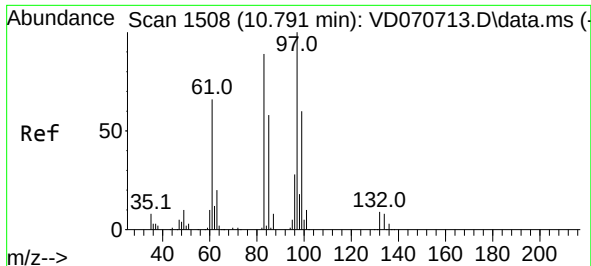
Tgt Ion: 75 Resp: 15440
Ion Ratio Lower Upper
75 100
77 28.0 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 2.083 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 75 Resp: 16882
Ion Ratio Lower Upper
75 100
77 33.9 25.2 37.8
39 52.6 27.8 41.6#

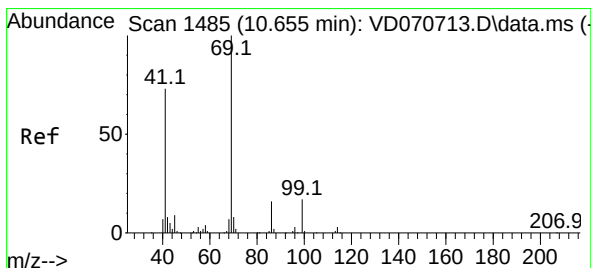
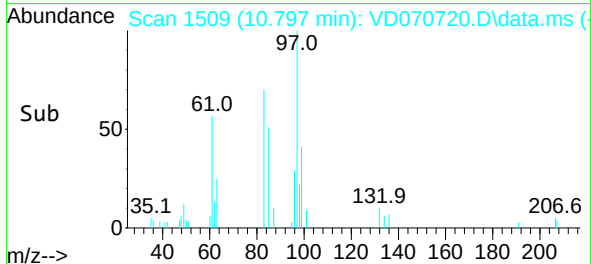
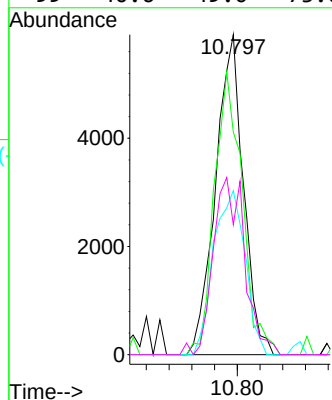
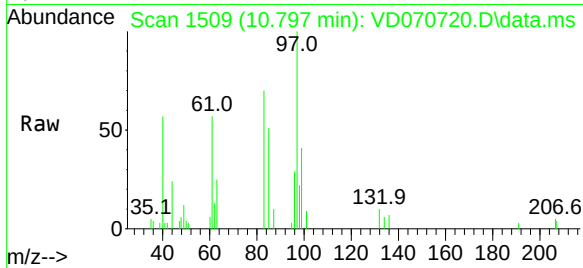




#55
1,1,2-Trichloroethane
Concen: 2.563 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

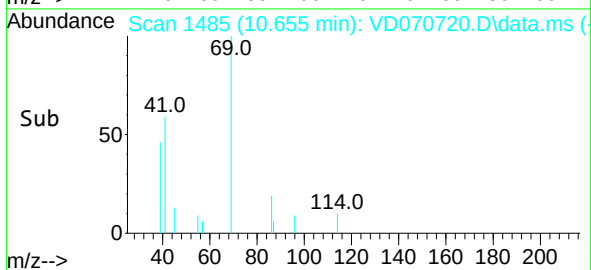
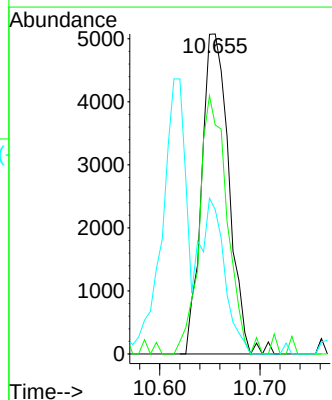
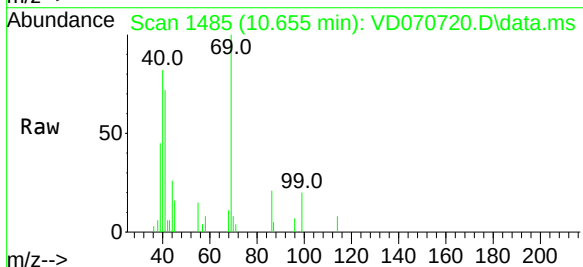
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

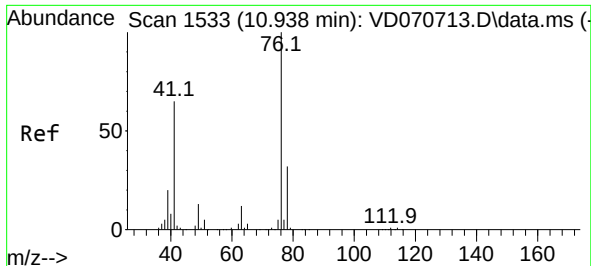
Tgt Ion:	97	Resp:	10061
Ion	Ratio	Lower	Upper
97	100		
83	69.5	69.1	103.7
85	51.3	43.0	64.6
99	40.6	49.0	73.6#



#56
Ethyl methacrylate
Concen: 2.056 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:	69	Resp:	9631
Ion	Ratio	Lower	Upper
69	100		
41	80.5	44.7	67.1#
39	31.4	19.5	29.3#

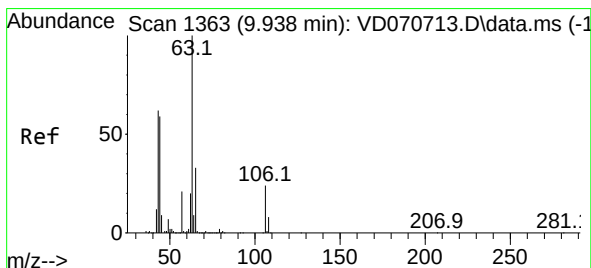
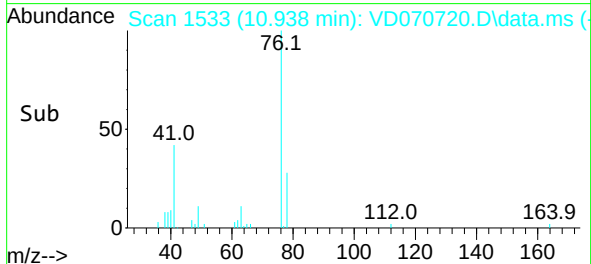
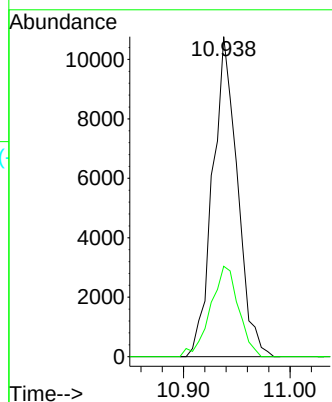
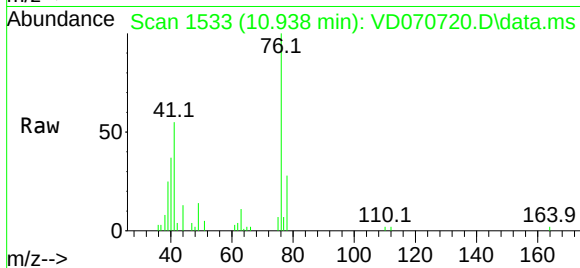




#57
1,3-Dichloropropane
Concen: 2.490 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

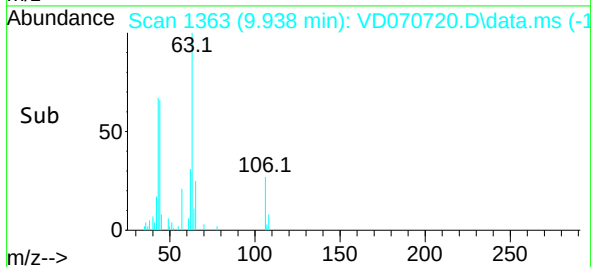
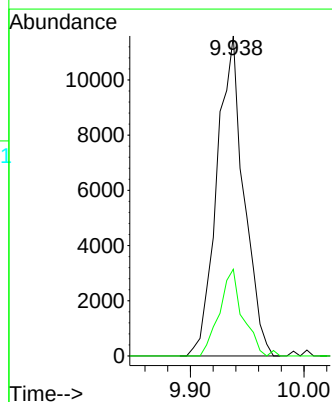
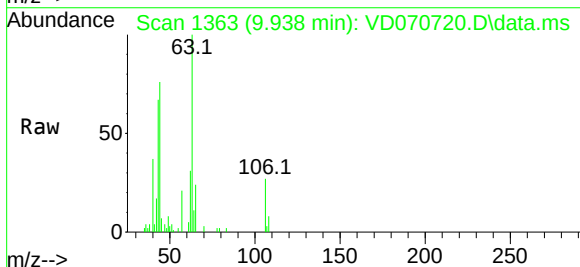
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

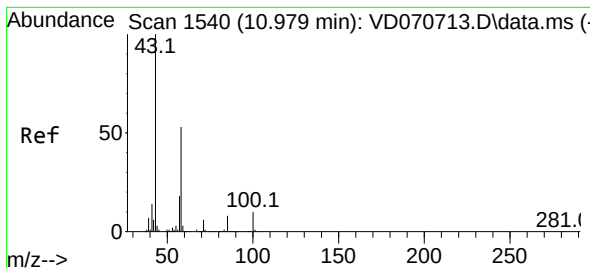
Tgt Ion: 76 Resp: 17338
Ion Ratio Lower Upper
76 100
78 32.0 25.3 37.9



#58
2-Chloroethyl Vinyl ether
Concen: 9.273 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 63 Resp: 19169
Ion Ratio Lower Upper
63 100
106 23.5 22.3 33.5

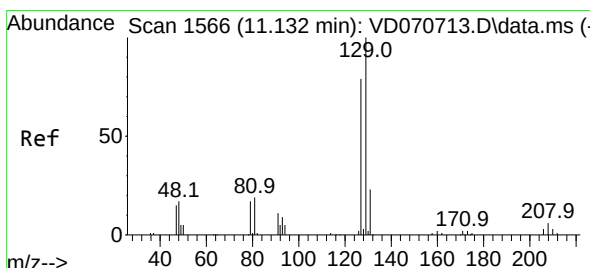
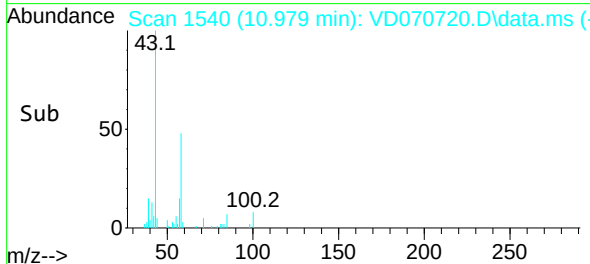
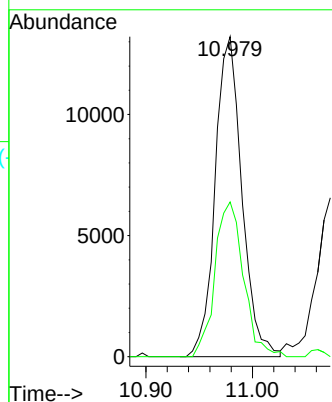
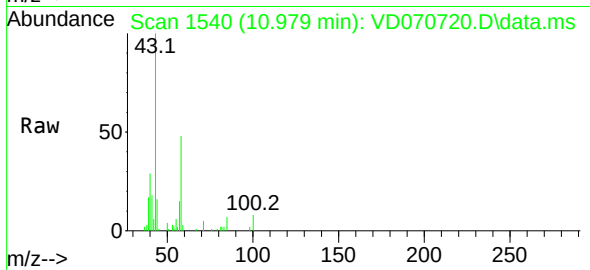




#59
2-Hexanone
Concen: 10.011 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

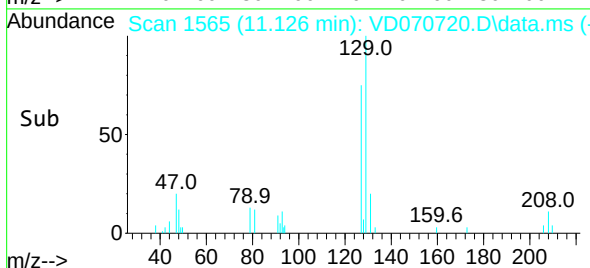
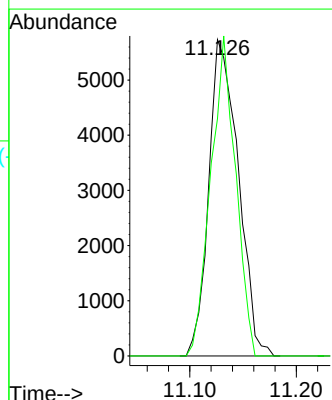
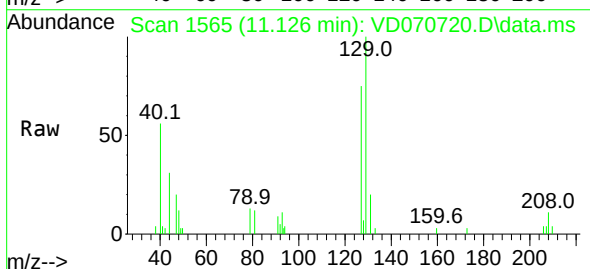
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

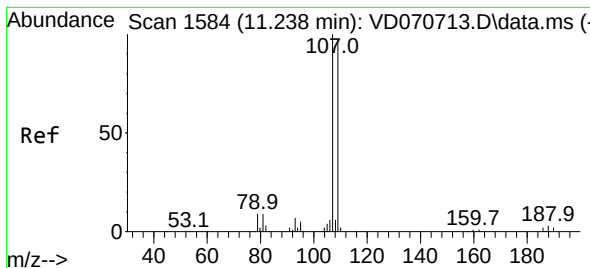
Tgt Ion: 43 Resp: 23021
Ion Ratio Lower Upper
43 100
58 51.6 30.4 91.3



#60
Dibromochloromethane
Concen: 2.449 ug/l
RT: 11.126 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 129 Resp: 11046
Ion Ratio Lower Upper
129 100
127 85.2 38.6 115.8

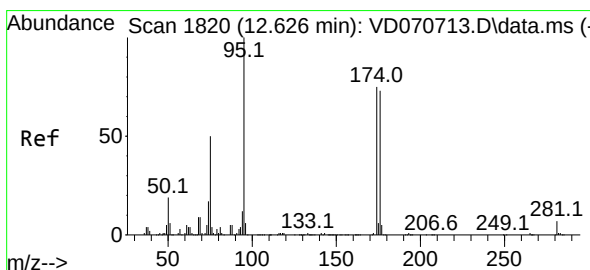
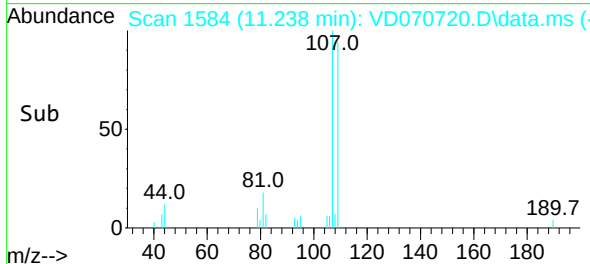
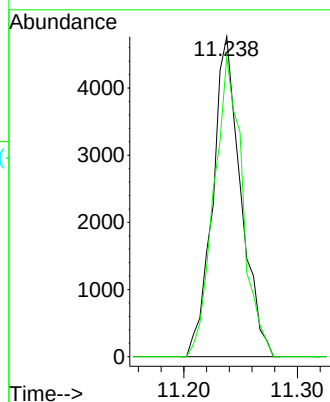
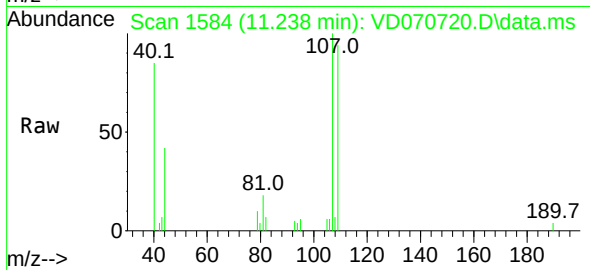




#61
1,2-Dibromoethane
Concen: 2.287 ug/l
RT: 11.238 min Scan# 1584
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

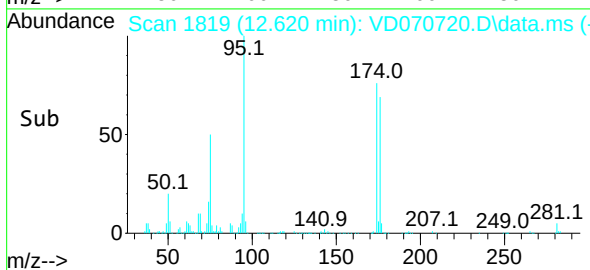
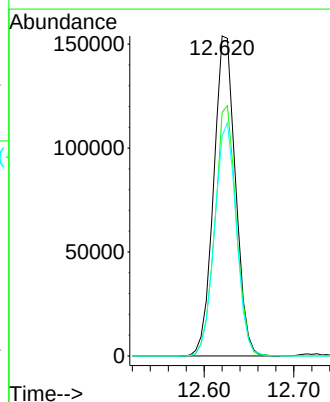
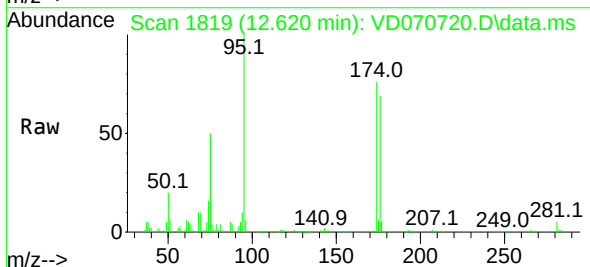
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

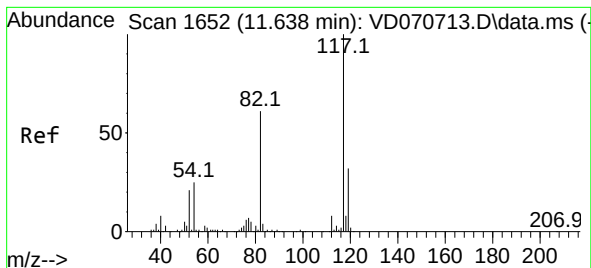
Tgt Ion:107 Resp: 8212
Ion Ratio Lower Upper
107 100
109 94.8 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 43.663 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 95 Resp: 259798
Ion Ratio Lower Upper
95 100
174 76.7 0.0 138.0
176 72.7 0.0 135.6

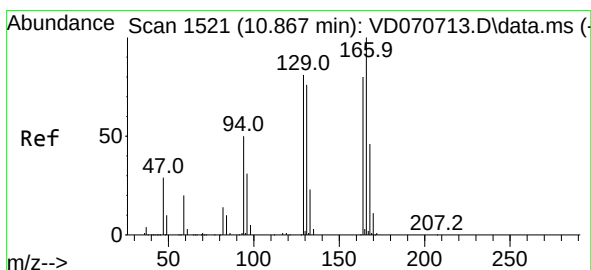
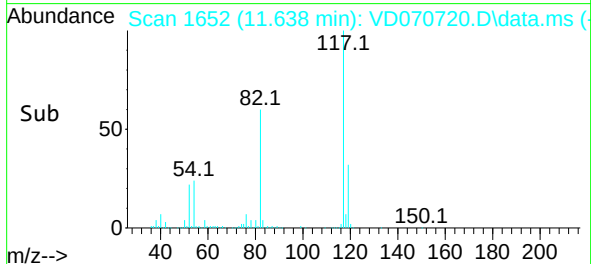
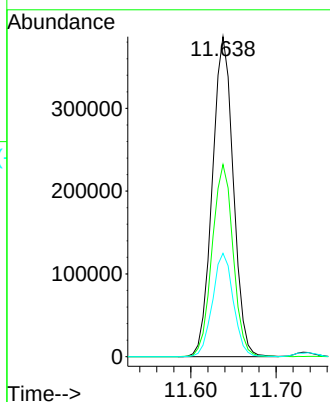
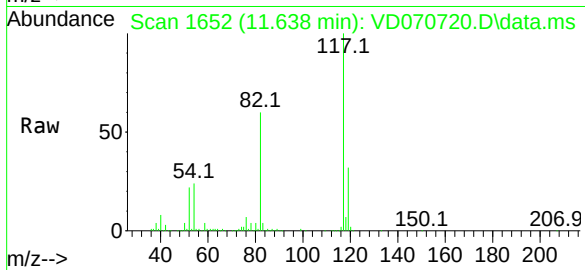




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

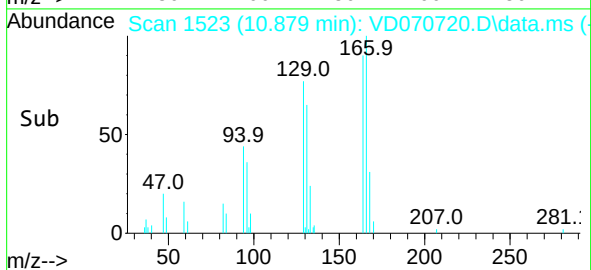
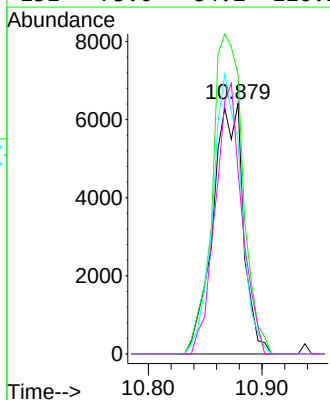
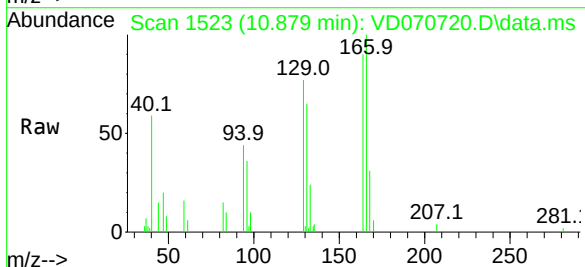
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

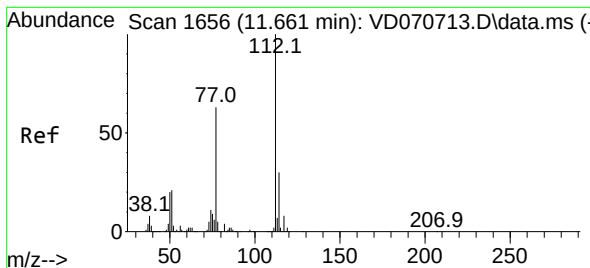
Tgt Ion:117 Resp: 661217
Ion Ratio Lower Upper
117 100
82 60.0 45.4 68.2
119 32.3 24.7 37.1



#64
Tetrachloroethene
Concen: 2.668 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.012 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:164 Resp: 11855
Ion Ratio Lower Upper
164 100
166 111.5 105.8 158.6
129 85.5 83.8 125.6
131 73.0 84.2 126.2#

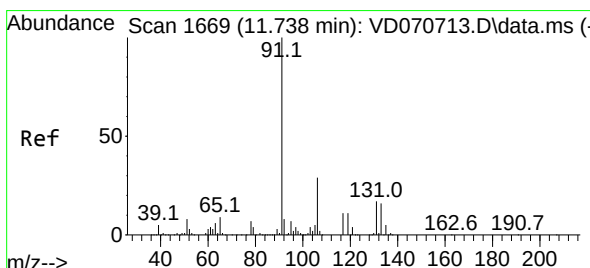
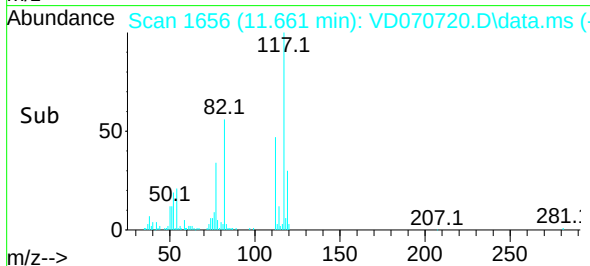
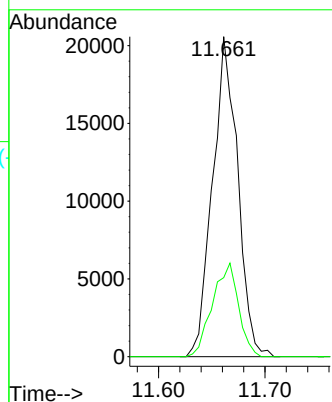
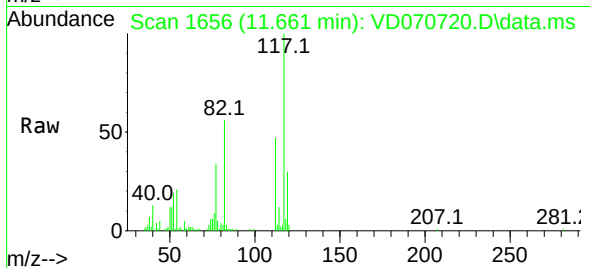




#65
Chlorobenzene
Concen: 2.482 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

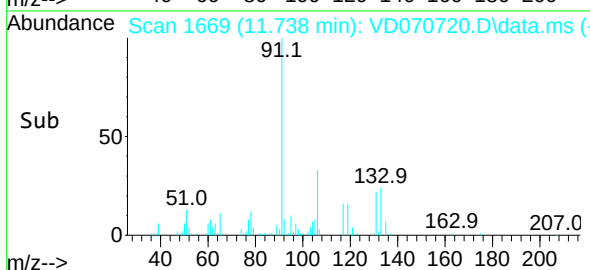
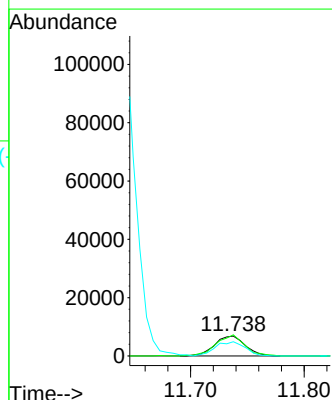
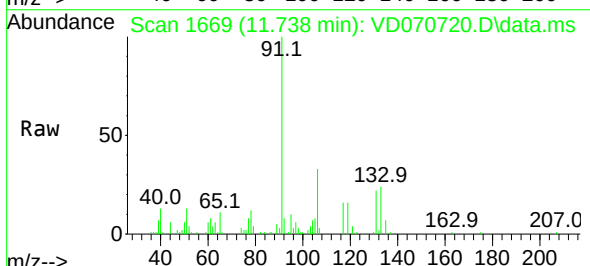
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

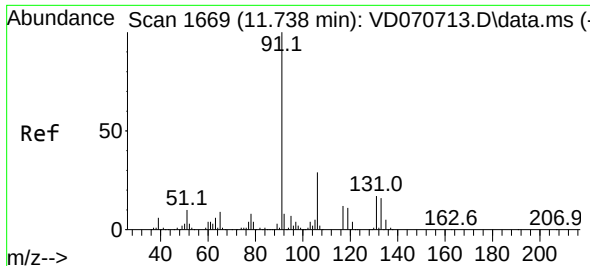
Tgt Ion:112 Resp: 33656
Ion Ratio Lower Upper
112 100
114 24.7 25.3 37.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 2.540 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:131 Resp: 12746
Ion Ratio Lower Upper
131 100
133 99.9 46.8 140.3
119 69.9 32.6 97.7

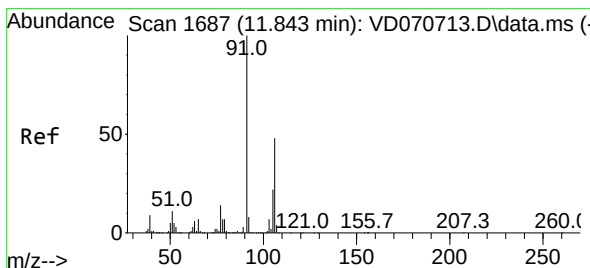
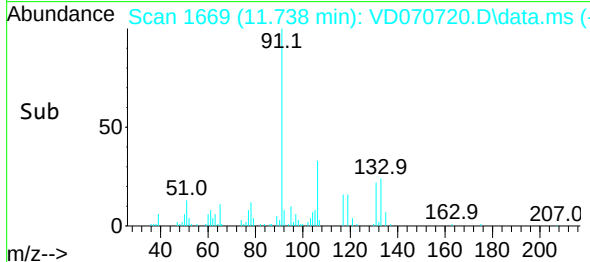
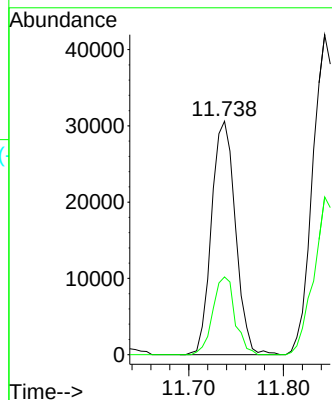
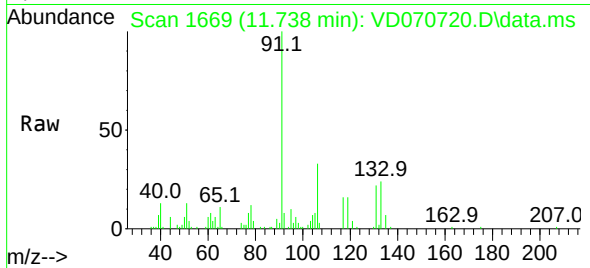




#67
Ethyl Benzene
Concen: 2.173 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

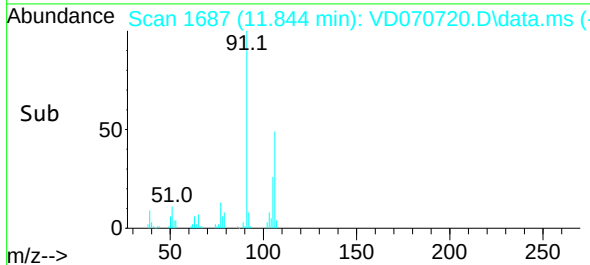
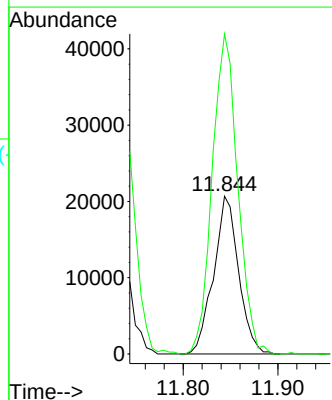
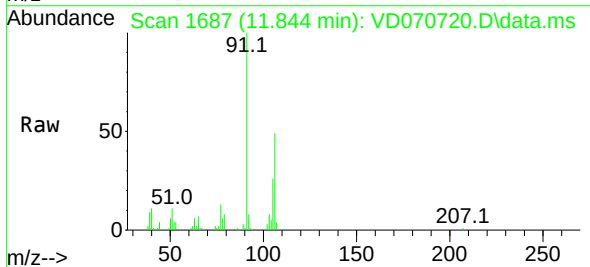
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

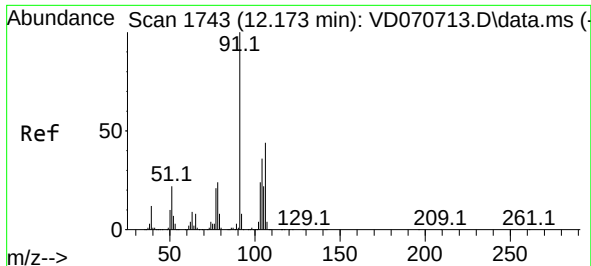
Tgt Ion: 91 Resp: 53867
Ion Ratio Lower Upper
91 100
106 33.3 24.2 36.2



#68
m/p-Xylenes
Concen: 4.039 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 106 Resp: 37939
Ion Ratio Lower Upper
106 100
91 206.8 162.7 244.1

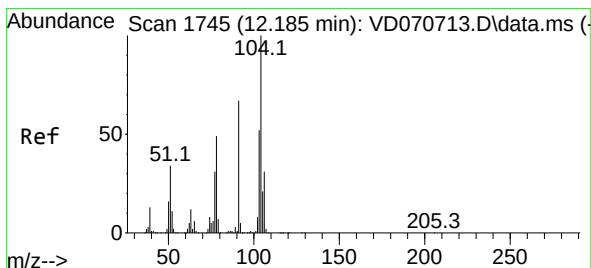
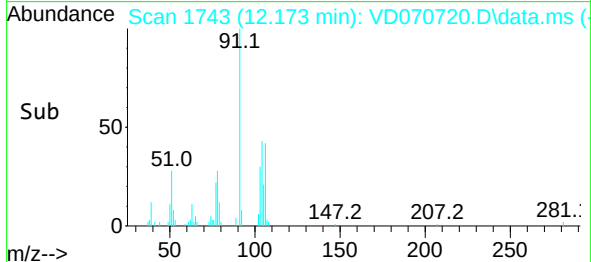
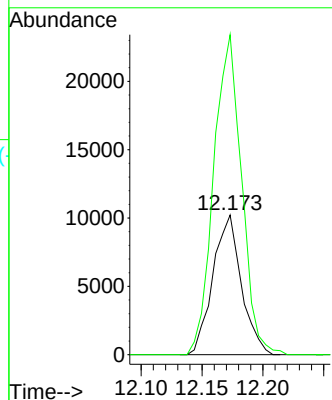
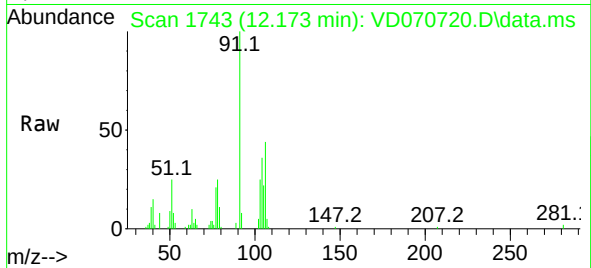




#69
o-Xylene
Concen: 1.950 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

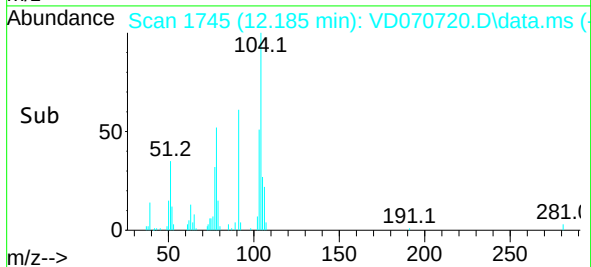
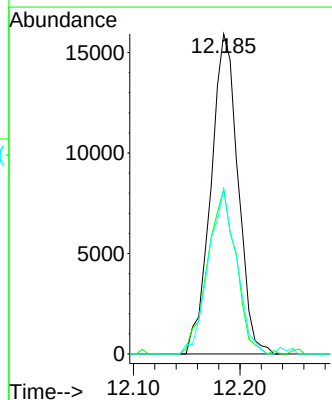
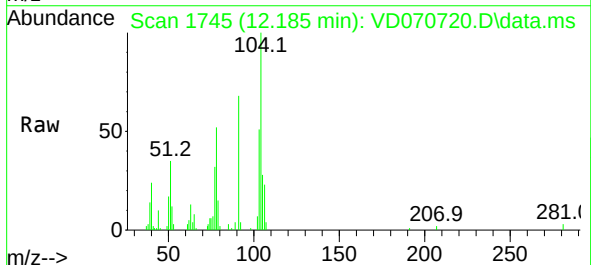
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

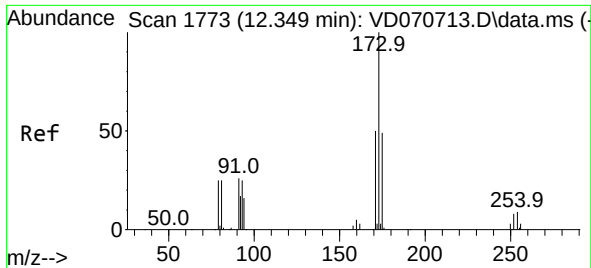
Tgt Ion:106 Resp: 16620
Ion Ratio Lower Upper
106 100
91 224.7 107.8 323.6



#70
Styrene
Concen: 1.900 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:104 Resp: 28146
Ion Ratio Lower Upper
104 100
78 54.1 39.8 59.6
103 53.2 43.4 65.2

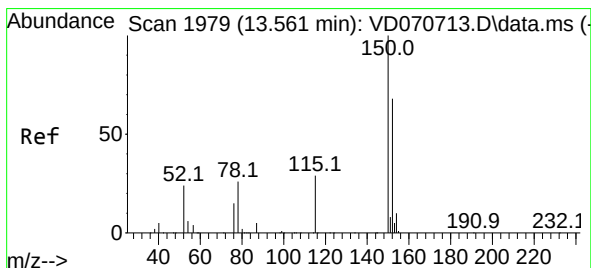
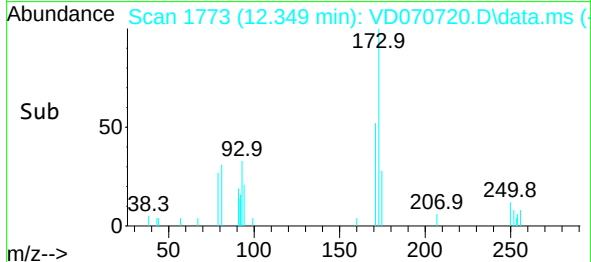
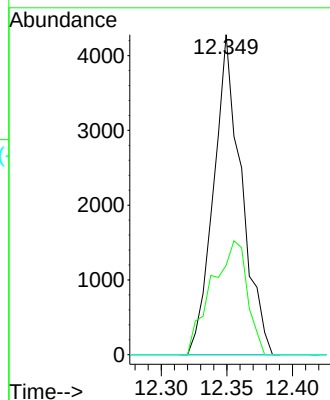
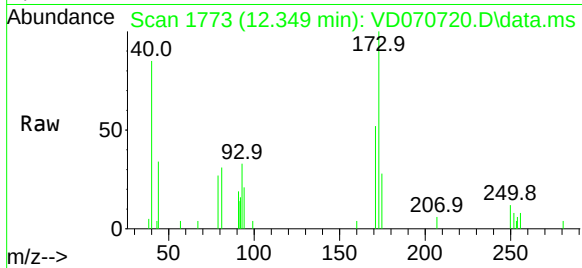




#71
Bromoform
Concen: 2.417 ug/l
RT: 12.349 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

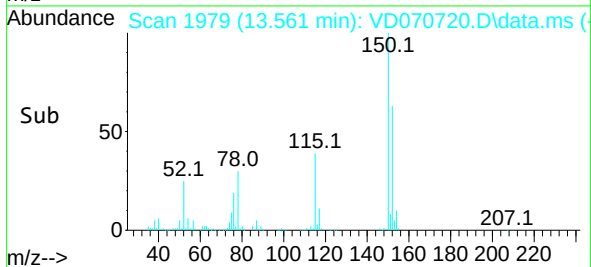
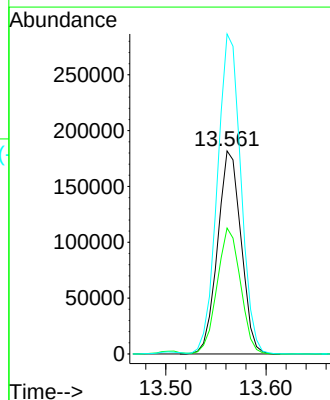
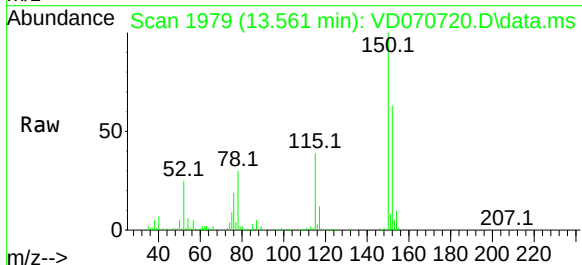
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

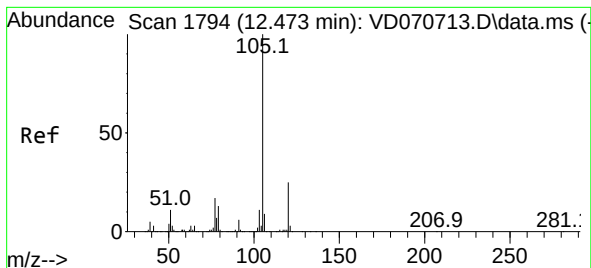
Tgt Ion:173 Resp: 6298
Ion Ratio Lower Upper
173 100
175 45.6 24.4 73.4
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:152 Resp: 295319
Ion Ratio Lower Upper
152 100
115 61.8 31.9 95.7
150 158.2 0.0 350.0





#73

Isopropylbenzene

Concen: 2.070 ug/l

RT: 12.473 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VD070720.D

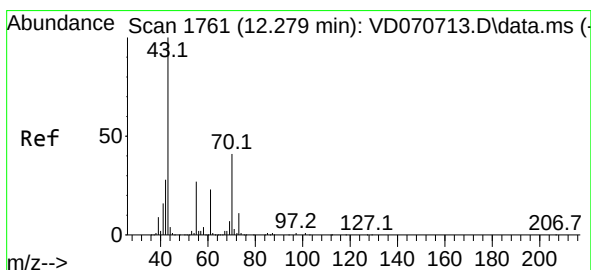
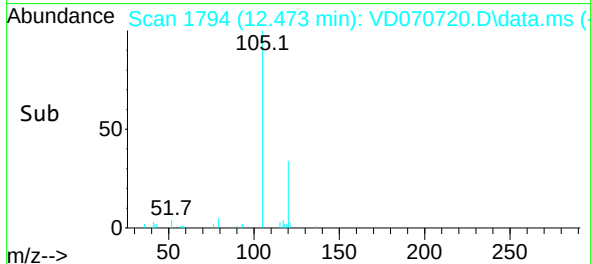
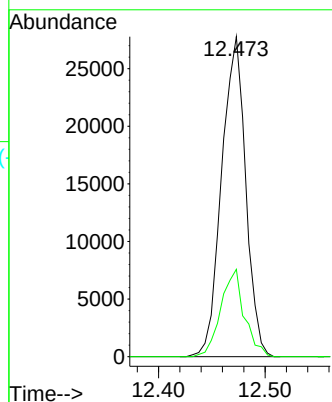
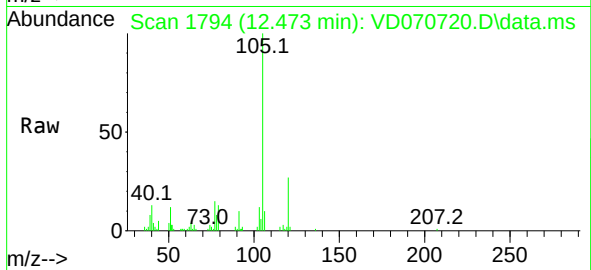
Acq: 15 Oct 2021 17:09

Tgt Ion:105 Resp: 43555

Ion Ratio Lower Upper

105 100

120 26.7 12.8 38.3



#74

N-ethyl acetate

Concen: 2.158 ug/l

RT: 12.279 min Scan# 1761

Delta R.T. 0.000 min

Lab File: VD070720.D

Acq: 15 Oct 2021 17:09

Tgt Ion: 43 Resp: 11822

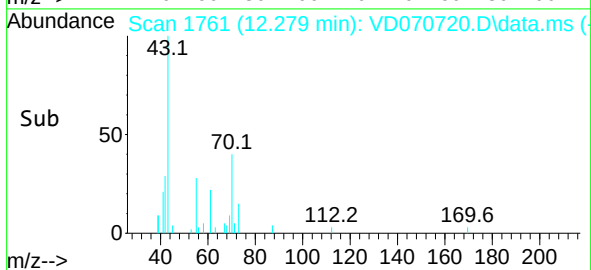
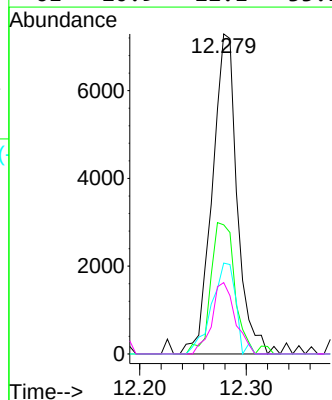
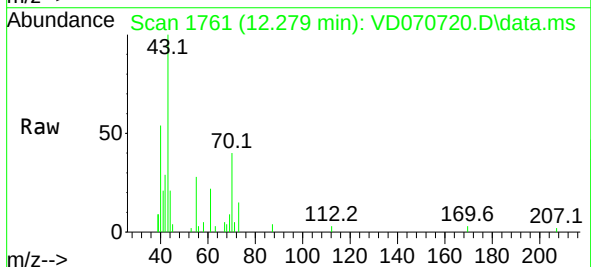
Ion Ratio Lower Upper

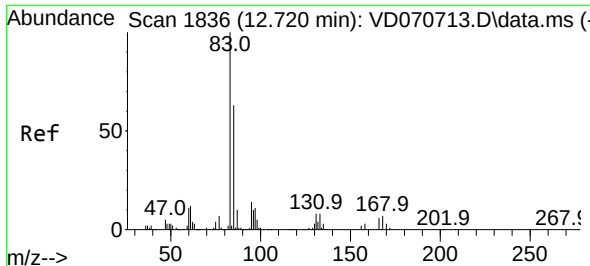
43 100

70 39.5 40.0 60.0#

55 27.3 23.8 35.6

61 20.9 22.1 33.1#

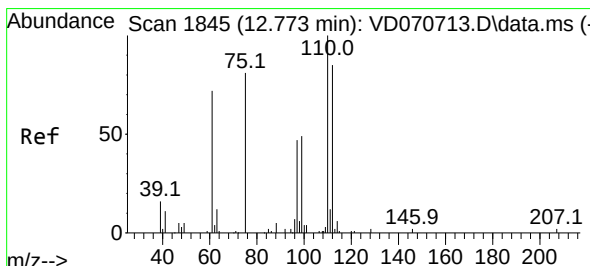
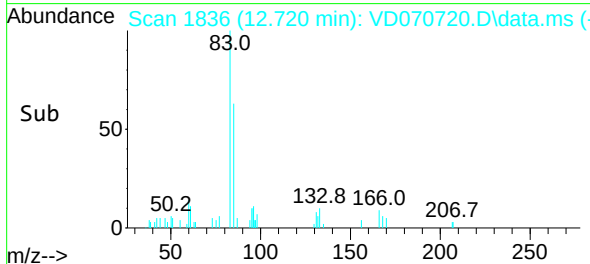
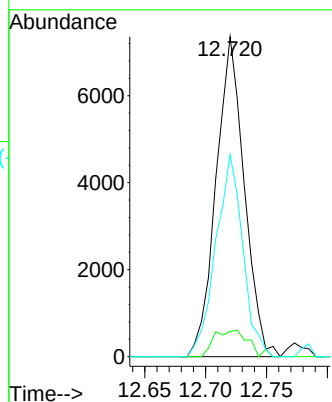
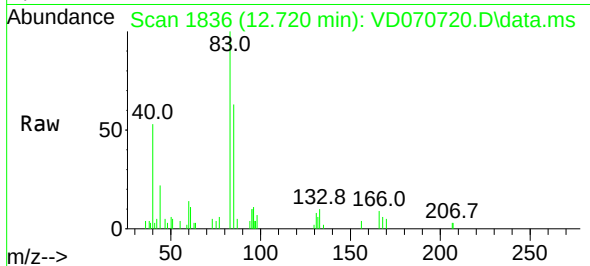




#75
1,1,2,2-Tetrachloroethane
Concen: 2.845 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

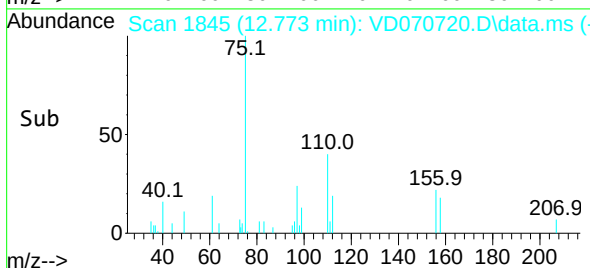
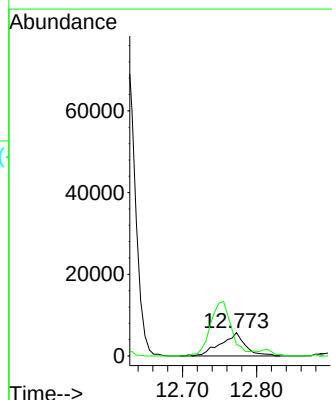
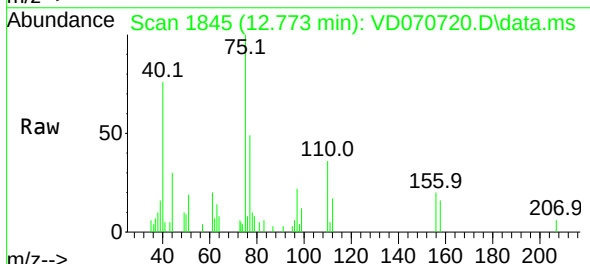
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

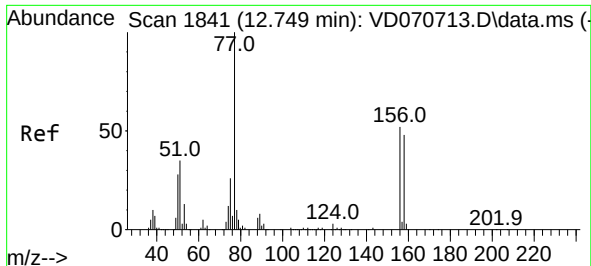
Tgt Ion: 83 Resp: 11841
Ion Ratio Lower Upper
83 100
131 10.1 4.9 14.7
85 60.6 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 5.150 ug/l
RT: 12.773 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 75 Resp: 13139
Ion Ratio Lower Upper
75 100
77 202.4 0.0 0.0#

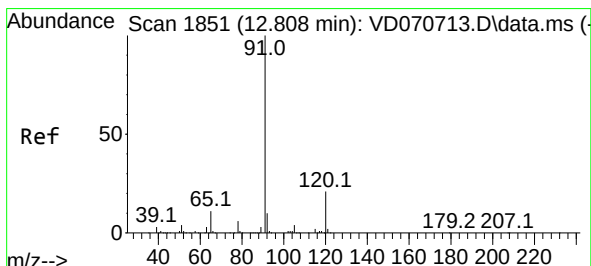
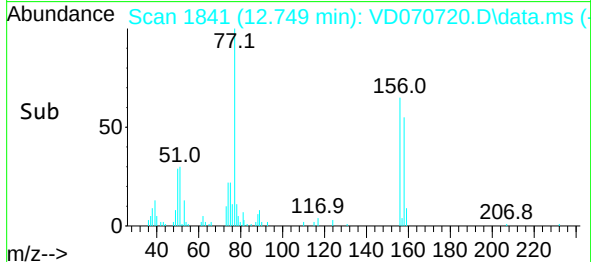
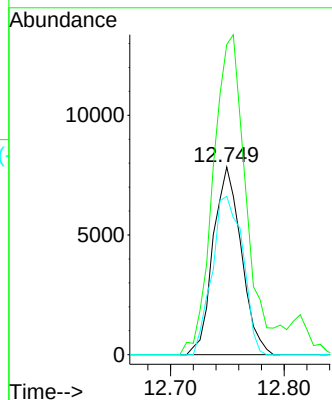
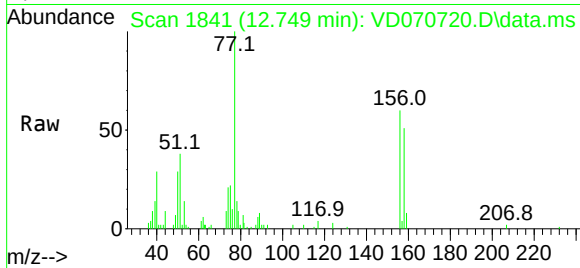




#77
Bromobenzene
Concen: 2.842 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

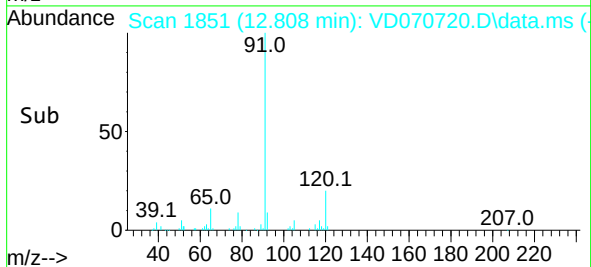
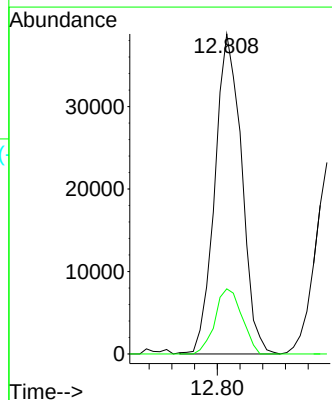
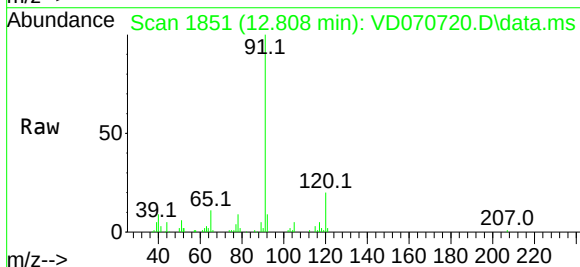
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

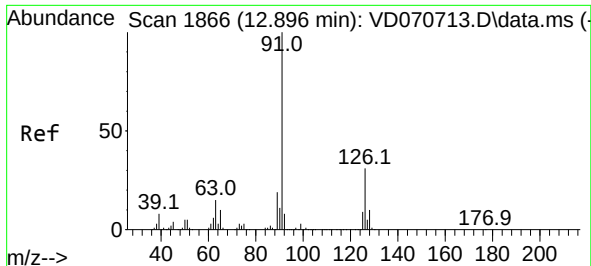
Tgt Ion:156 Resp: 13540
Ion Ratio Lower Upper
156 100
77 196.4 105.7 317.1
158 91.7 48.9 146.6



#78
n-propylbenzene
Concen: 2.321 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 91 Resp: 63494
Ion Ratio Lower Upper
91 100
120 20.4 10.9 32.6

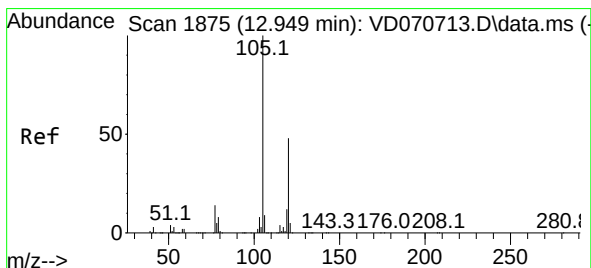
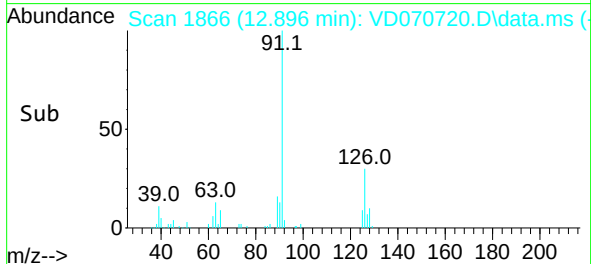
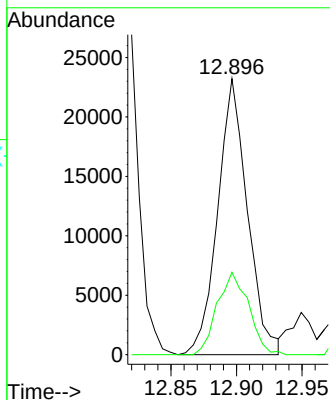
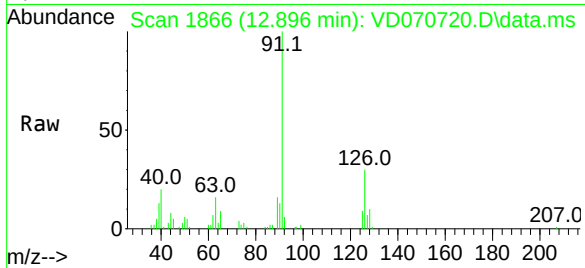




#79
2-Chlorotoluene
Concen: 2.320 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

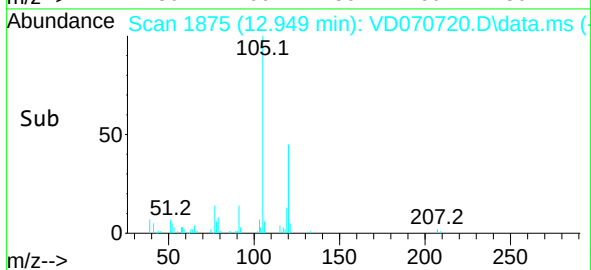
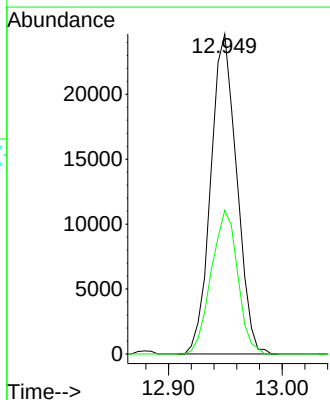
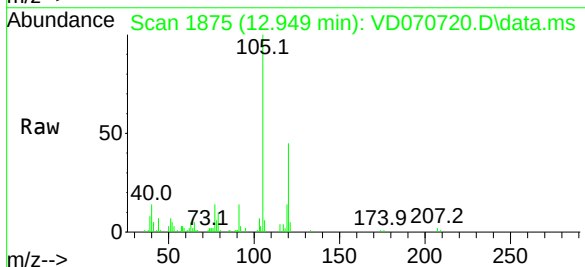
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

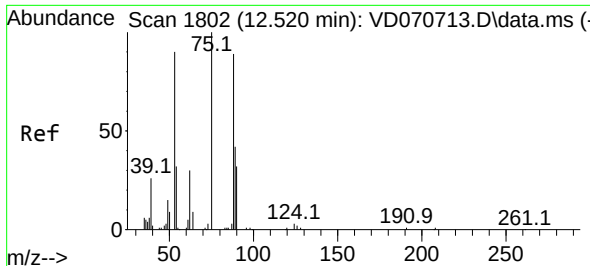
Tgt Ion: 91 Resp: 36668
Ion Ratio Lower Upper
91 100
126 31.6 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 2.197 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 105 Resp: 39087
Ion Ratio Lower Upper
105 100
120 45.7 24.4 73.2

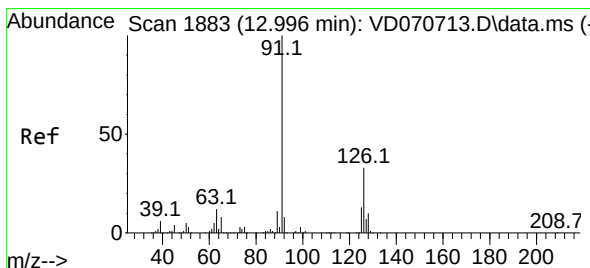
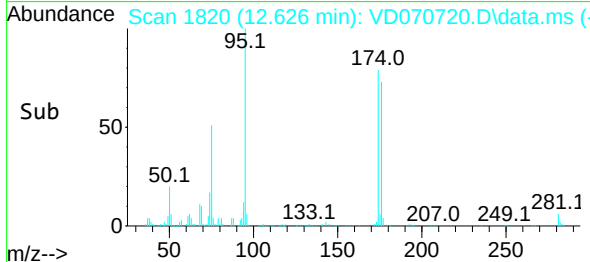
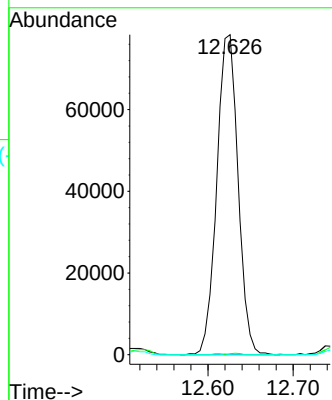
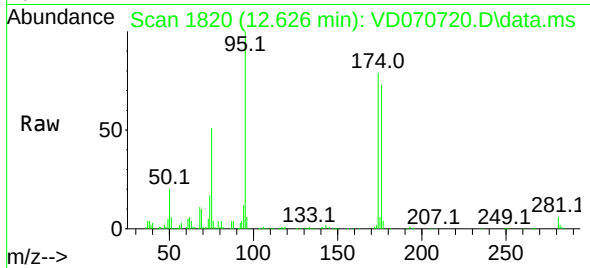




#81
trans-1,4-Dichloro-2-butene
Concen: 116.394 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

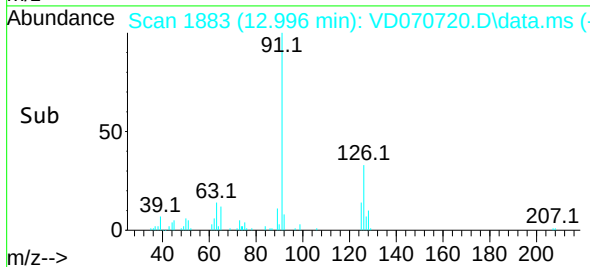
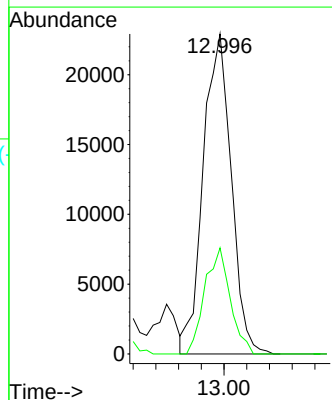
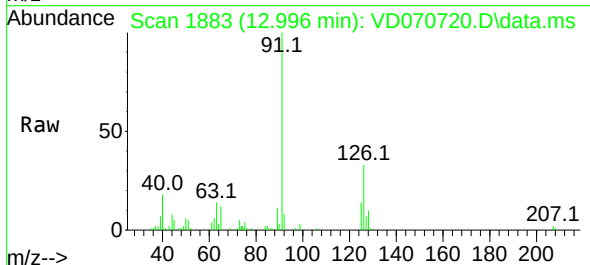
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

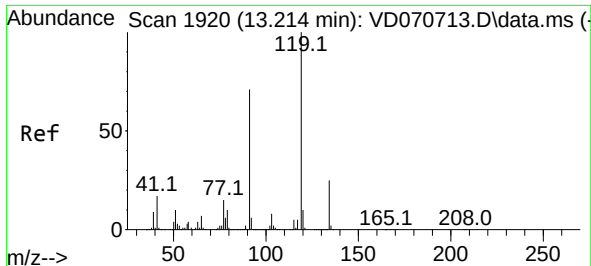
Tgt Ion: 75 Resp: 135585
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#82
4-Chlorotoluene
Concen: 2.349 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 91 Resp: 39280
Ion Ratio Lower Upper
91 100
126 30.0 16.2 48.6

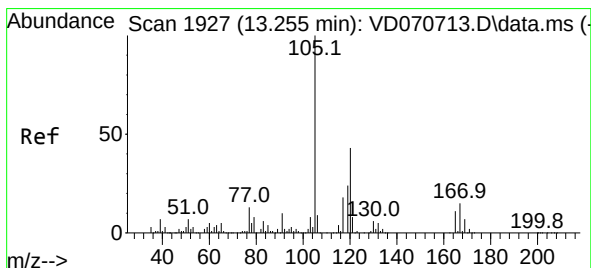
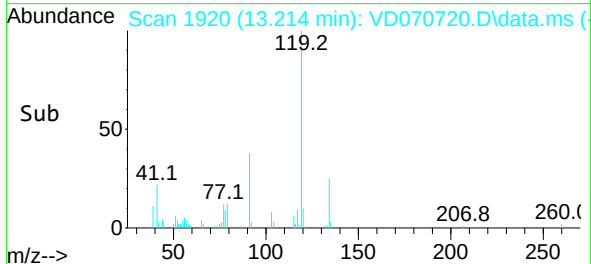
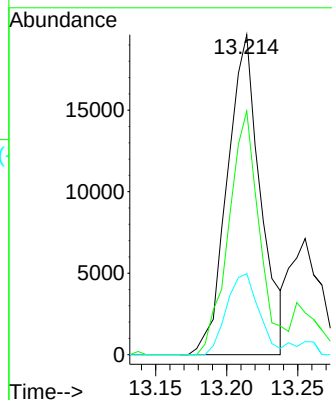
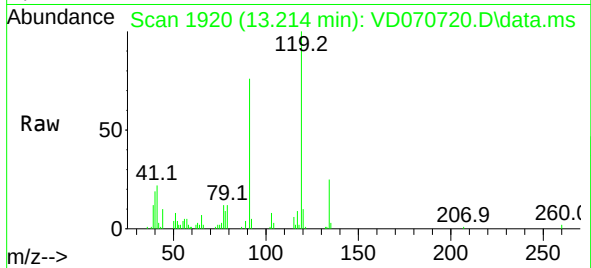




#83
tert-Butylbenzene
Concen: 2.174 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

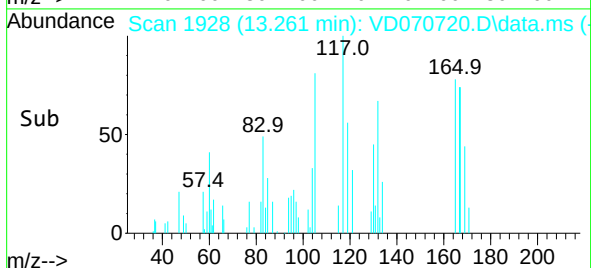
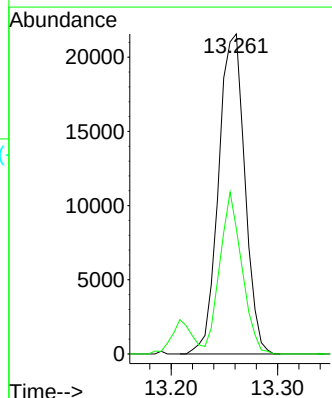
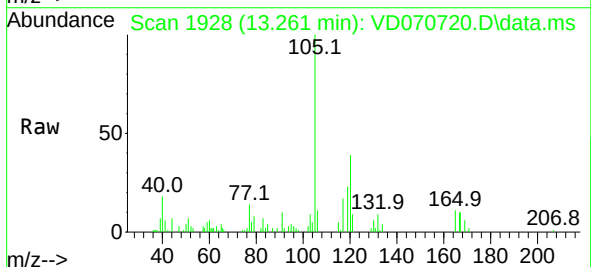
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

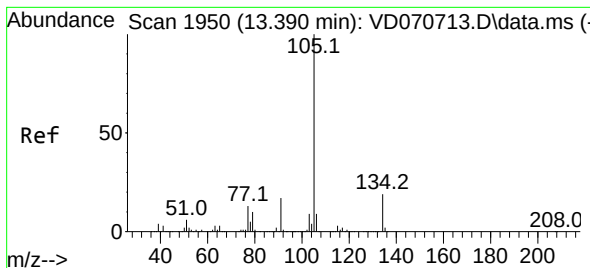
Tgt Ion:119 Resp: 31957
Ion Ratio Lower Upper
119 100
91 71.5 33.1 99.3
134 24.5 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 2.083 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:105 Resp: 36847
Ion Ratio Lower Upper
105 100
120 42.5 21.9 65.8

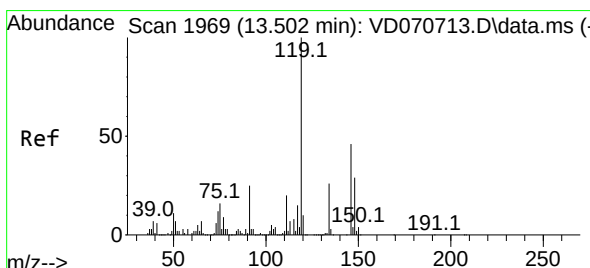
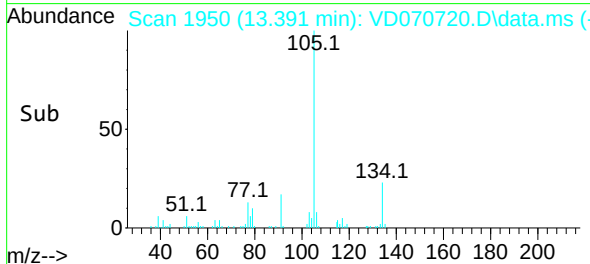
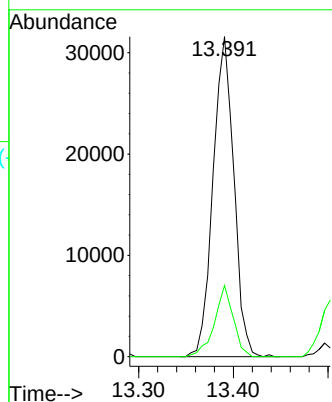
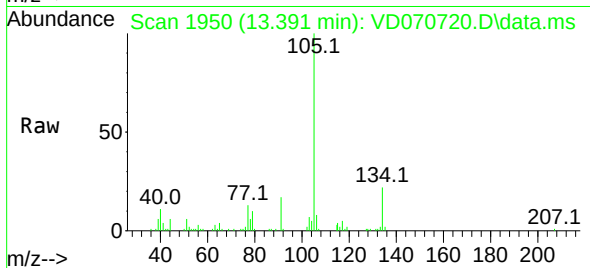




#85
 sec-Butylbenzene
 Concen: 2.086 ug/l
 RT: 13.391 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070720.D
 Acq: 15 Oct 2021 17:09

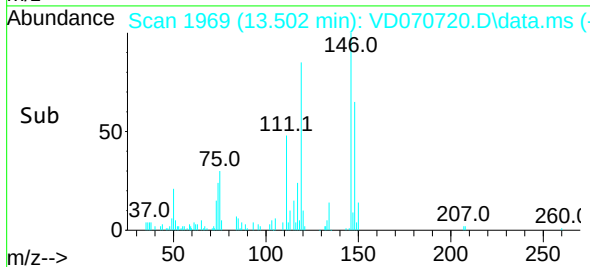
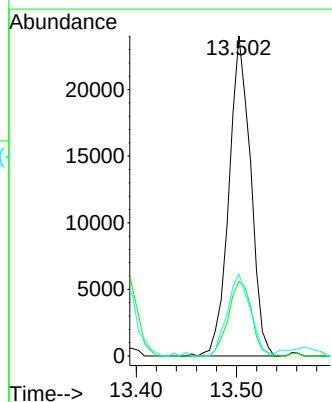
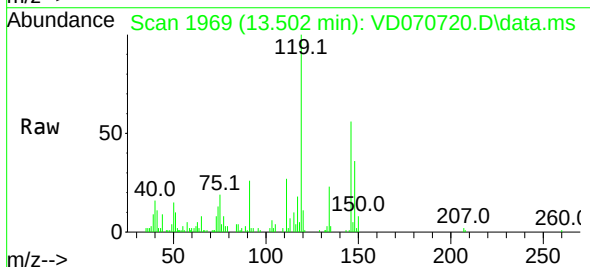
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

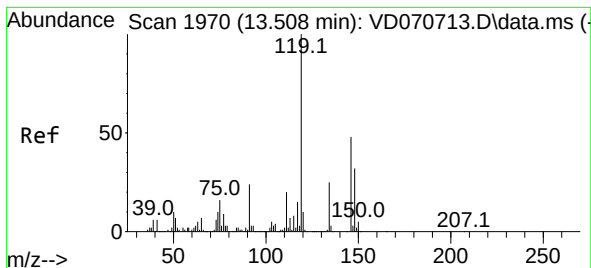
Tgt Ion:105 Resp: 48202
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 1.938 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD070720.D
 Acq: 15 Oct 2021 17:09

Tgt Ion:119 Resp: 36002
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 27.3 11.9 35.5



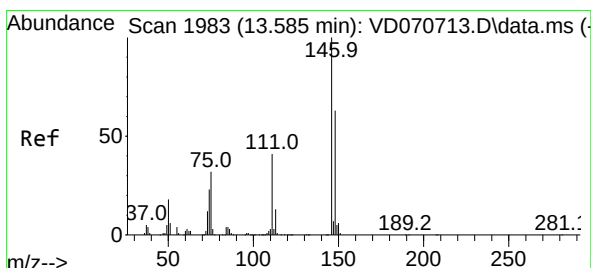
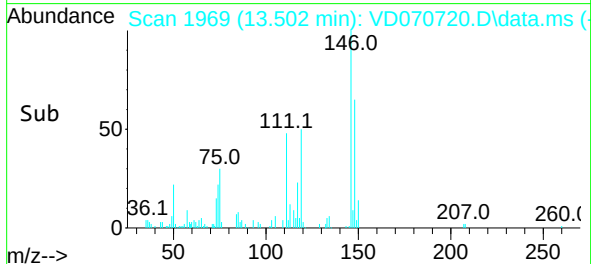
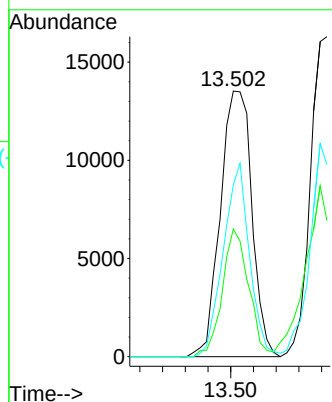
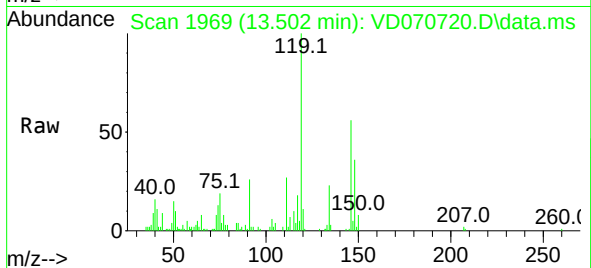


#87

1,3-Dichlorobenzene
Concen: 2.603 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

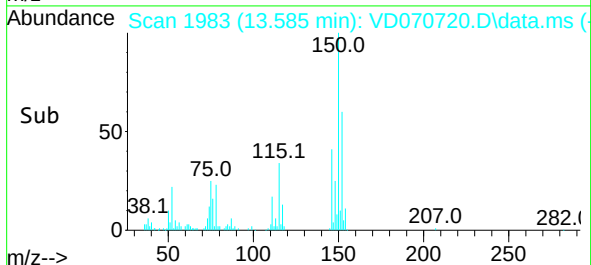
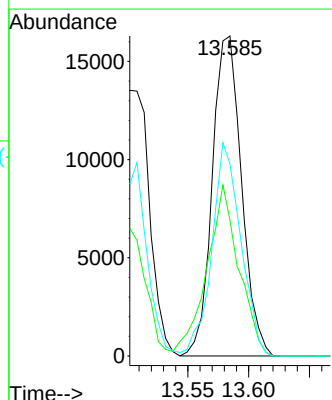
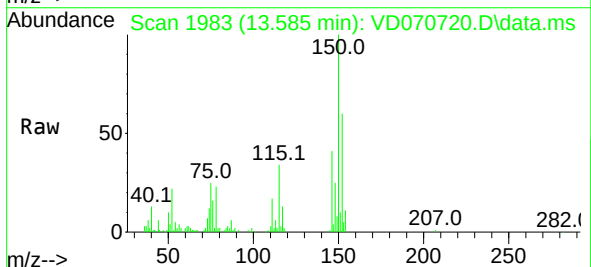
Tgt Ion:146 Resp: 26035
Ion Ratio Lower Upper
146 100
111 40.3 21.4 64.2
148 60.8 31.8 95.3

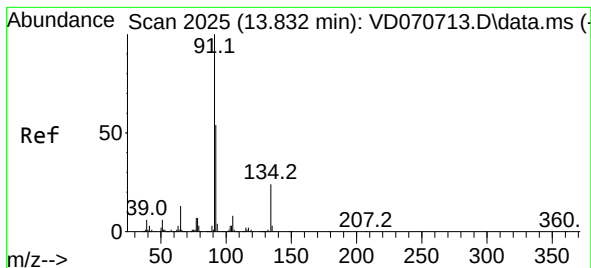


#88

1,4-Dichlorobenzene
Concen: 2.761 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:146 Resp: 27270
Ion Ratio Lower Upper
146 100
111 58.6 21.1 63.4
148 66.0 31.6 94.8

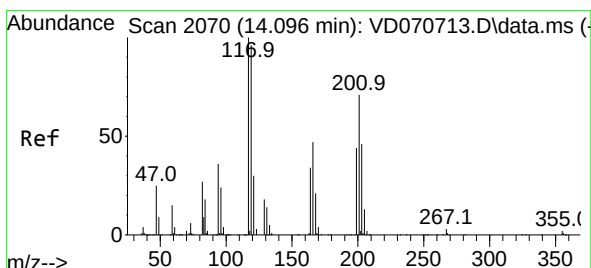
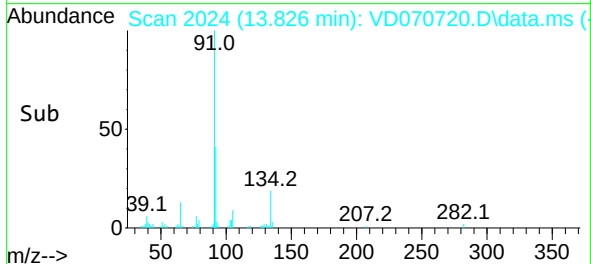
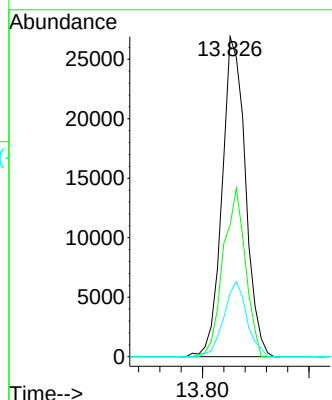
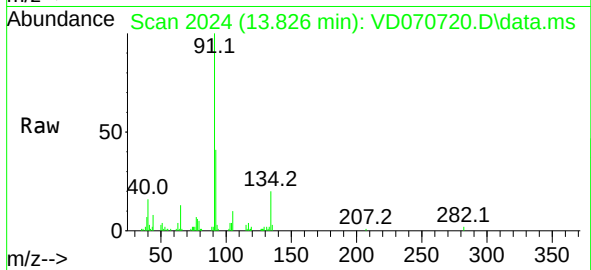




#89
n-Butylbenzene
Concen: 2.175 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

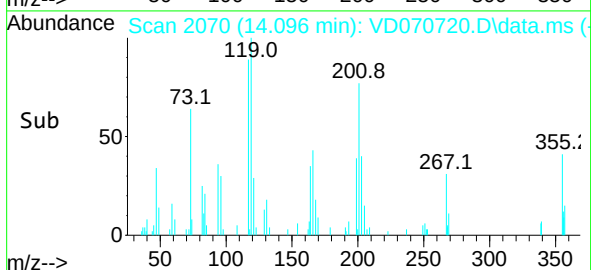
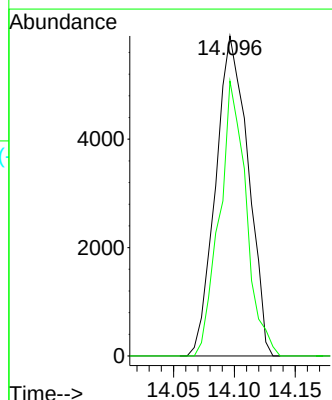
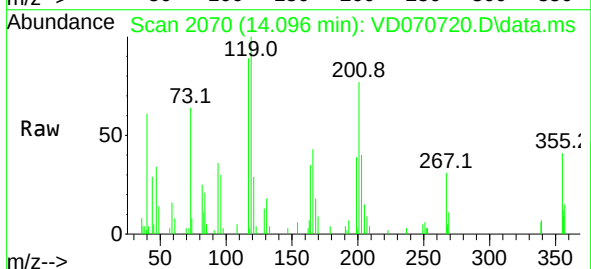
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

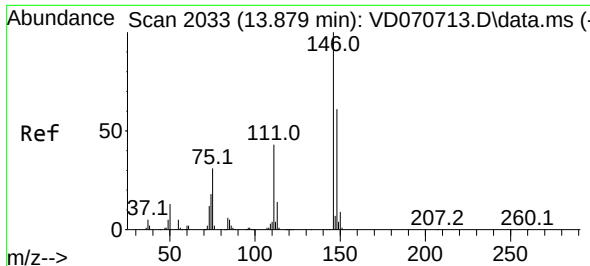
Tgt Ion:	91	Resp:	40764
Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.8	80.4
134	23.1	12.2	36.4



#90
Hexachloroethane
Concen: 2.740 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:	117	Resp:	10980
Ion	Ratio	Lower	Upper
117	100		
201	70.7	31.9	95.9

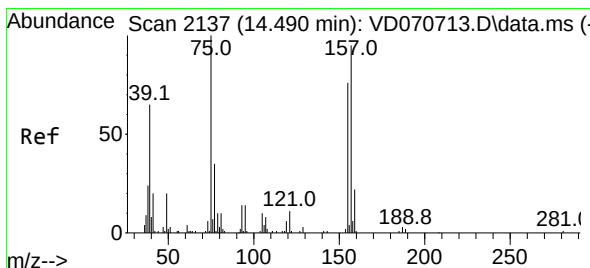
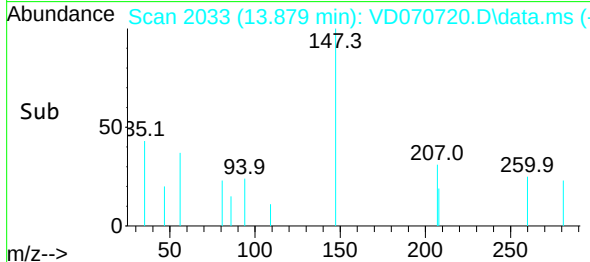
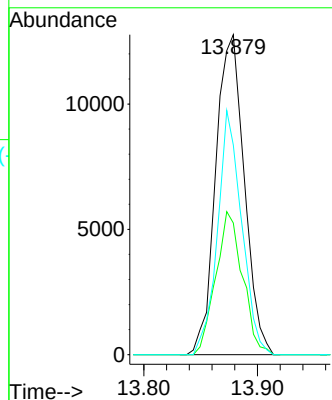
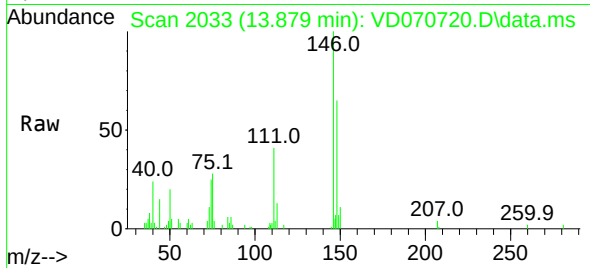




#91
1,2-Dichlorobenzene
Concen: 2.612 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

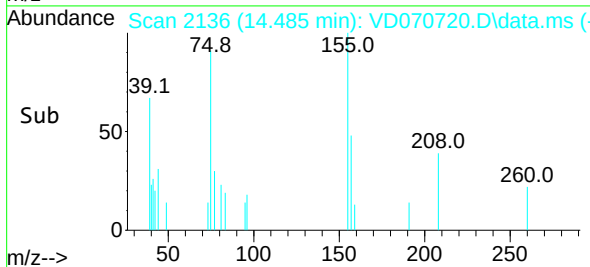
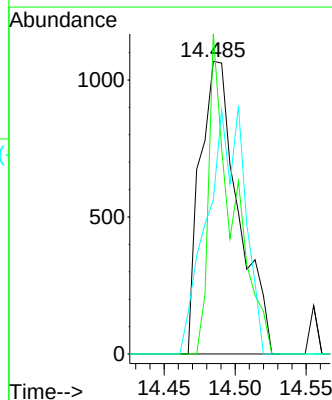
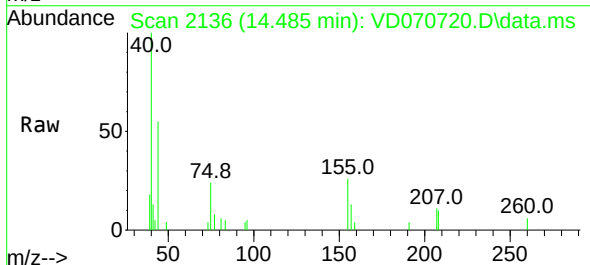
Instrument :
MSVOA_D
ClientSampleId :
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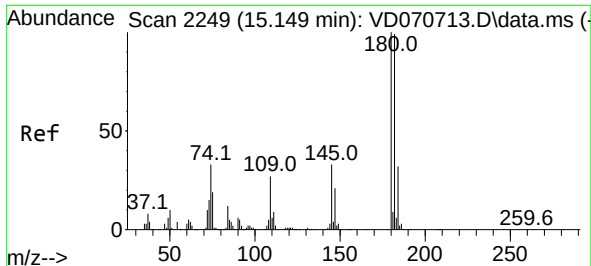
Tgt Ion:146 Resp: 22329
Ion Ratio Lower Upper
146 100
111 42.0 22.8 68.4
148 64.6 32.4 97.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.008 ug/l
RT: 14.485 min Scan# 2136
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion: 75 Resp: 1997
Ion Ratio Lower Upper
75 100
155 68.7 38.1 114.5
157 83.0 47.6 142.9

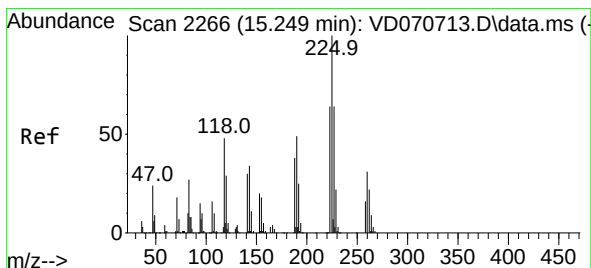
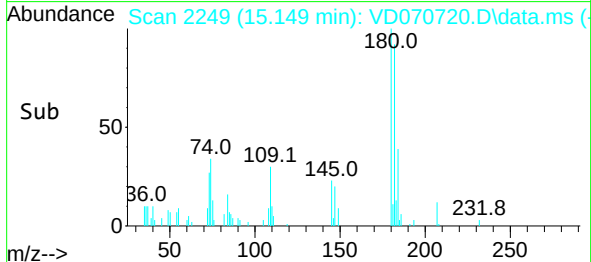
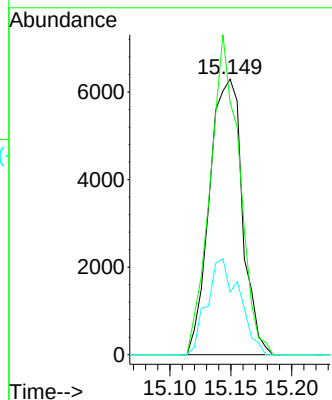
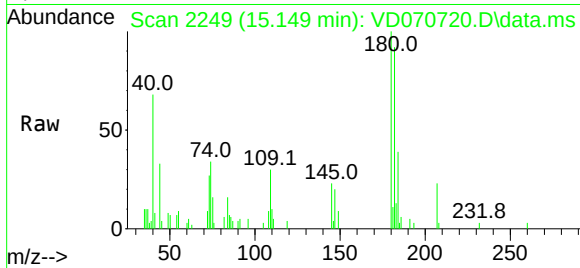




#93
1,2,4-Trichlorobenzene
Concen: 2.410 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

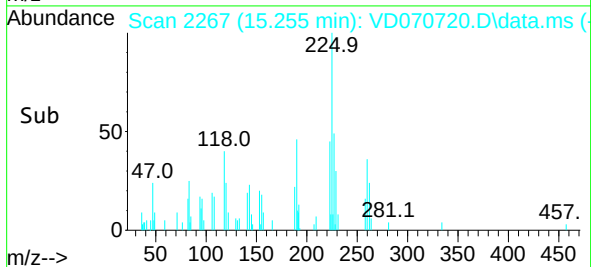
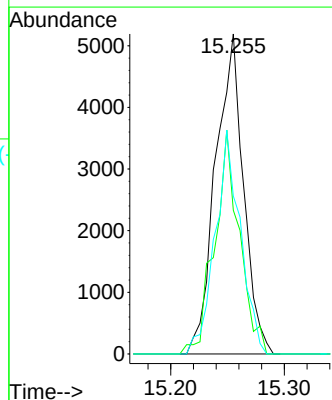
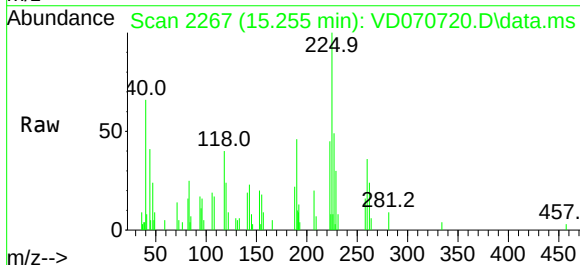
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

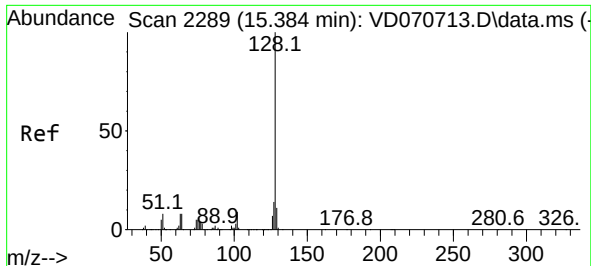
Tgt Ion:180 Resp: 11789
Ion Ratio Lower Upper
180 100
182 103.6 47.5 142.5
145 34.3 16.9 50.7



#94
Hexachlorobutadiene
Concen: 2.761 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. 0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:225 Resp: 8856
Ion Ratio Lower Upper
225 100
223 62.3 31.2 93.6
227 63.3 32.2 96.6

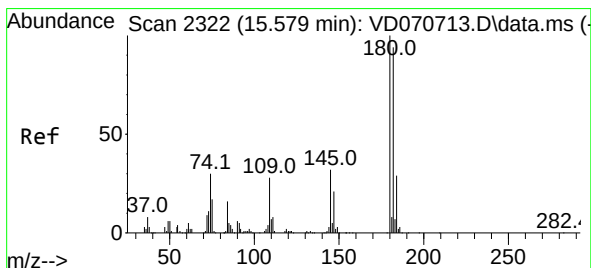
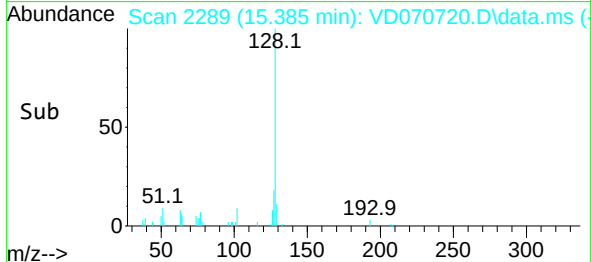
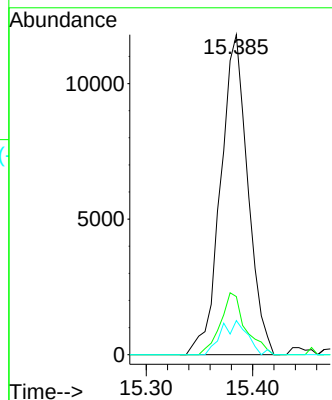
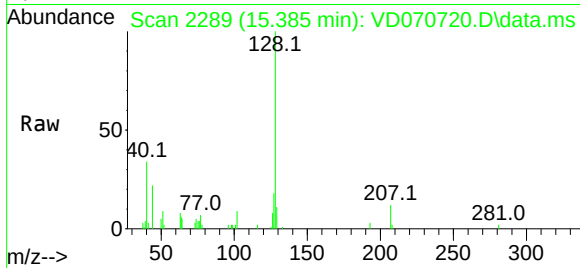




#95
Naphthalene
Concen: 2.518 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:128	Resp:	20912
Ion Ratio	Lower	Upper
128	100	
127	17.7	10.9 16.3#
129	10.4	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.827 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. -0.006 min
Lab File: VD070720.D
Acq: 15 Oct 2021 17:09

Tgt Ion:180	Resp:	12283
Ion Ratio	Lower	Upper
180	100	
182	85.7	46.2 138.5
145	32.2	17.1 51.3

