

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070721.D
 Acq On : 15 Oct 2021 17:37
 Operator : VA/SY
 Sample : M4068-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 18 08:44:06 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	377295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	695401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	661733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300524	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	253430	56.711	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.420%	
35) Dibromofluoromethane	7.914	113	223554	50.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.420%	
50) Toluene-d8	10.332	98	819377	48.005	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	12.626	95	265422	45.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.320%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	18256	4.139	ug/l	99
3) Chloromethane	2.209	50	29953	4.576	ug/l	98
4) Vinyl Chloride	2.344	62	29015	4.326	ug/l	97
5) Bromomethane	2.773	94	22247	5.440	ug/l	83
6) Chloroethane	2.920	64	18217	4.313	ug/l	94
7) Trichlorofluoromethane	3.273	101	34297	4.523	ug/l	98
8) Diethyl Ether	3.709	74	8286	4.101	ug/l	60
9) 1,1,2-Trichlorotrifluo...	4.085	101	19774	4.360	ug/l	98
10) Methyl Iodide	4.297	142	12711	3.063	ug/l #	82
11) Tert butyl alcohol	5.220	59	7426	29.684	ug/l #	83
12) 1,1-Dichloroethene	4.062	96	16826	4.103	ug/l	88
13) Acrolein	3.926	56	5084	20.997	ug/l	87
14) Allyl chloride	4.709	41	28874	3.719	ug/l	90
15) Acrylonitrile	5.414	53	22973	21.595	ug/l	96
16) Acetone	4.150	43	21070	19.548	ug/l #	87
17) Carbon Disulfide	4.409	76	61294	4.102	ug/l #	89
18) Methyl Acetate	4.726	43	19507	5.207	ug/l #	86
19) Methyl tert-butyl Ether	5.467	73	34448	3.885	ug/l	94
20) Methylene Chloride	4.962	84	61931	8.902	ug/l #	81
21) trans-1,2-Dichloroethene	5.467	96	18827	4.002	ug/l	90
22) Diisopropyl ether	6.356	45	56107	3.712	ug/l #	90
23) Vinyl Acetate	6.303	43	120091	16.818	ug/l #	91
24) 1,1-Dichloroethane	6.256	63	43266	4.595	ug/l	95
25) 2-Butanone	7.208	43	25300	19.000	ug/l	90
26) 2,2-Dichloropropane	7.197	77	29491	3.960	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	21002	4.163	ug/l	90
28) Bromochloromethane	7.544	49	18020	4.814	ug/l #	13
29) Tetrahydrofuran	7.555	42	16001	19.630	ug/l #	85
30) Chloroform	7.714	83	40219	4.372	ug/l	90
31) Cyclohexane	7.985	56	39357	4.353	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	33124	4.244	ug/l	94
36) 1,1-Dichloropropene	8.114	75	29147	3.762	ug/l	98
37) Ethyl Acetate	7.297	43	11228	3.498	ug/l #	65
38) Carbon Tetrachloride	8.097	117	28384	3.825	ug/l	98
39) Methylcyclohexane	9.350	83	29988	3.433	ug/l	89
40) Benzene	8.350	78	86979	3.898	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	7409	4.022	ug/l #	57
42) 1,2-Dichloroethane	8.420	62	27649	4.366	ug/l	99
43) Isopropyl Acetate	8.450	43	23973	3.916	ug/l	94
44) Trichloroethene	9.108	130	23157	4.420	ug/l	92
45) 1,2-Dichloropropane	9.385	63	23968	4.066	ug/l	100
46) Dibromomethane	9.467	93	11542	4.089	ug/l	95
47) Bromodichloromethane	9.655	83	29351	3.919	ug/l #	89
48) Methyl methacrylate	9.450	41	11624	3.876	ug/l #	79
49) 1,4-Dioxane	9.450	88	2872	94.752	ug/l #	89
51) 4-Methyl-2-Pentanone	10.220	43	60183	18.650	ug/l	87
52) Toluene	10.397	92	52346	3.941	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	25361	3.791	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	29858	3.729	ug/l #	84
55) 1,1,2-Trichloroethane	10.796	97	16188	4.175	ug/l #	87
56) Ethyl methacrylate	10.649	69	16756	3.621	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	27203	3.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	39949	19.564	ug/l	95
59) 2-Hexanone	10.973	43	36968	16.276	ug/l	81
60) Dibromochloromethane	11.138	129	18520	4.156	ug/l	99
61) 1,2-Dibromoethane	11.238	107	12802	3.609	ug/l	93
64) Tetrachloroethene	10.873	164	18486	4.157	ug/l #	74
65) Chlorobenzene	11.661	112	53804	3.965	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	19825	3.948	ug/l	95
67) Ethyl Benzene	11.738	91	85518	3.446	ug/l	99
68) m/p-Xylenes	11.849	106	59085	6.285	ug/l	94
69) o-Xylene	12.167	106	28104	3.296	ug/l	96
70) Styrene	12.185	104	46172	3.115	ug/l	99
71) Bromoform	12.349	173	10211	3.916	ug/l #	90
73) Isopropylbenzene	12.467	105	69411	3.241	ug/l	99
74) N-amyl acetate	12.279	43	18837	3.379	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.714	83	19085	4.506	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	21624	8.328	ug/l #	100
77) Bromobenzene	12.749	156	19686	4.061	ug/l	99
78) n-propylbenzene	12.808	91	99248	3.566	ug/l	99
79) 2-Chlorotoluene	12.896	91	59316	3.688	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	59947	3.312	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	4777	4.030	ug/l #	90
82) 4-Chlorotoluene	12.990	91	60884	3.578	ug/l	100
83) tert-Butylbenzene	13.208	119	50256	3.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	55234	3.069	ug/l	100
85) sec-Butylbenzene	13.390	105	75490	3.211	ug/l	99
86) p-Isopropyltoluene	13.502	119	59476	3.147	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	38077	3.740	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	42994	4.277	ug/l	94
89) n-Butylbenzene	13.832	91	62517	3.277	ug/l	98
90) Hexachloroethane	14.096	117	17299	4.241	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	34721	3.991	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3196	4.731	ug/l	91
93) 1,2,4-Trichlorobenzene	15.137	180	19125	3.843	ug/l	97
94) Hexachlorobutadiene	15.255	225	13378	4.099	ug/l	97
95) Naphthalene	15.384	128	28647	3.390	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.579	180	16029	3.625	ug/l	95

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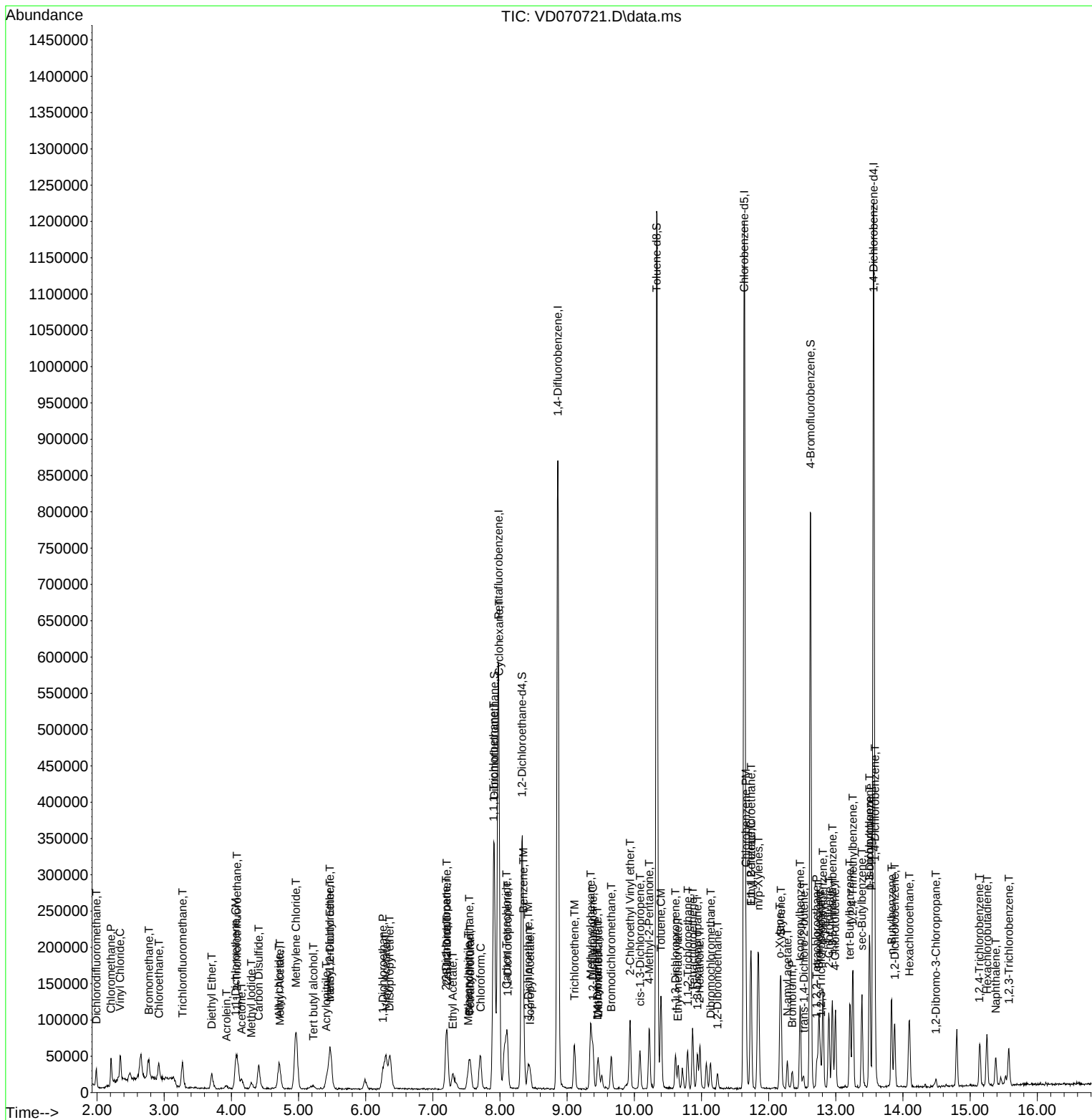
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

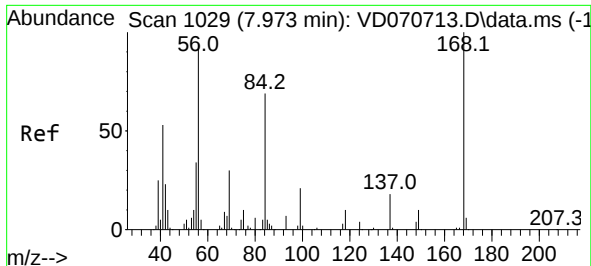
Quant Time: Oct 18 08:44:06 2021
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QLast Update : Mon Oct 18 08:43:14 2021
Response via : Initial Calibration

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

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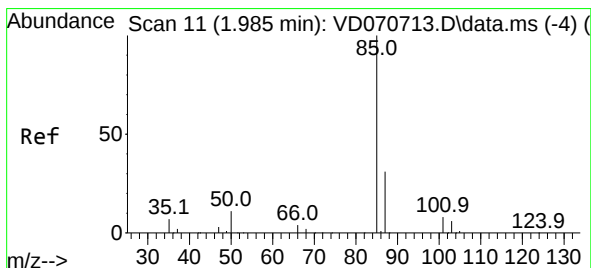
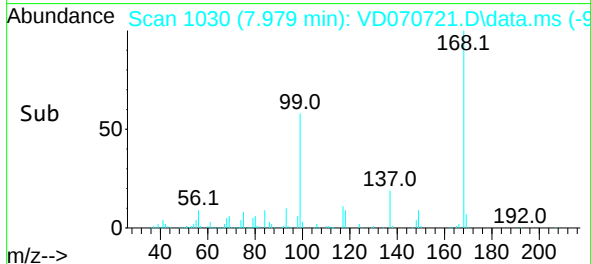
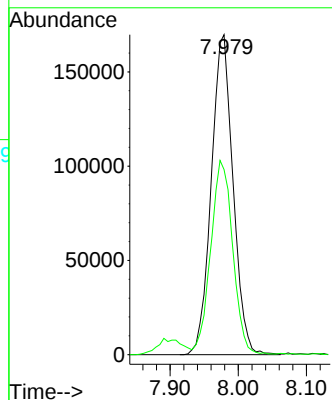
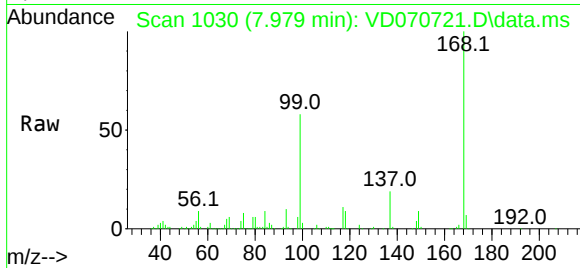




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070721.D
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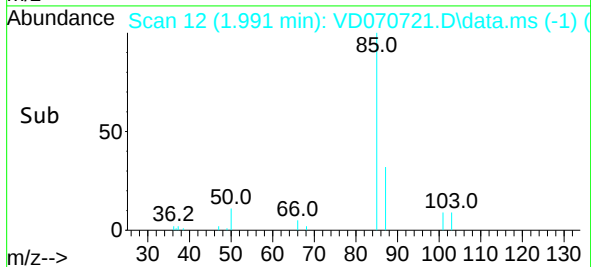
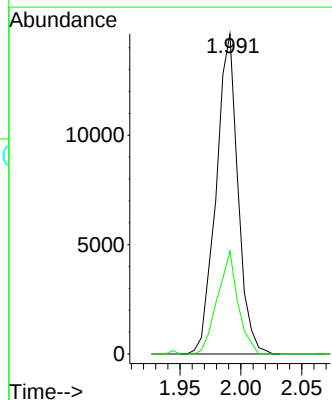
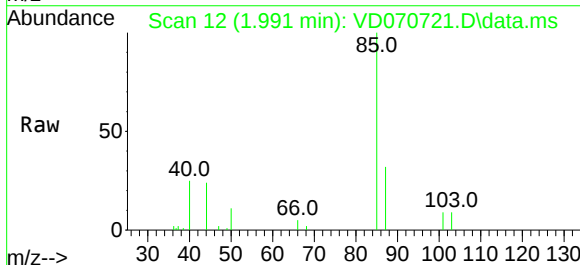
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

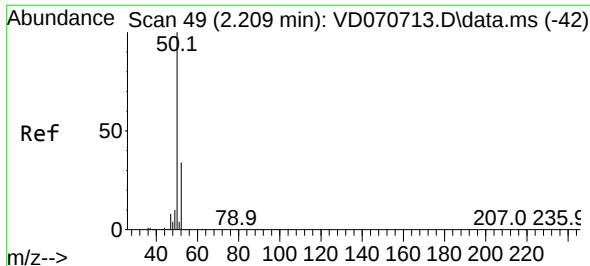
Tgt Ion:168 Resp: 377295
Ion Ratio Lower Upper
168 100
99 57.4 51.4 77.0



#2
Dichlorodifluoromethane
Concen: 4.139 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 85 Resp: 18256
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.2

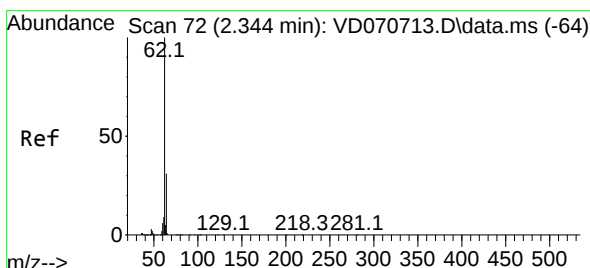
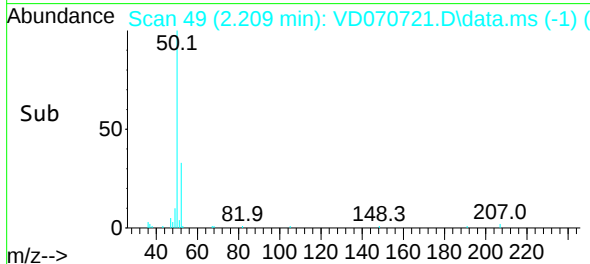
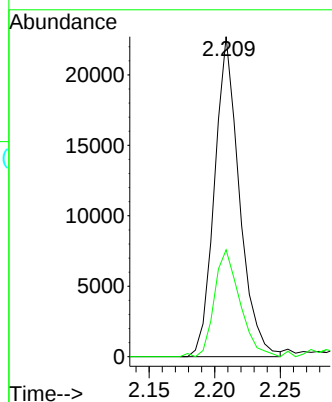
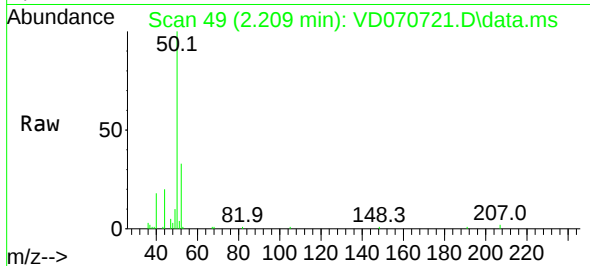




#3
Chloromethane
Concen: 4.576 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

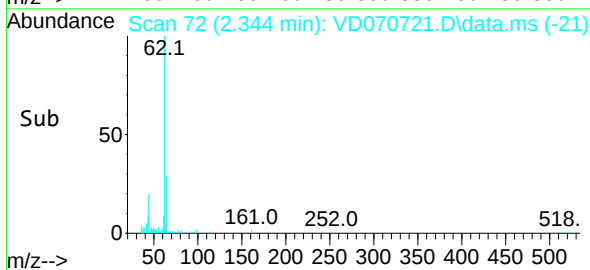
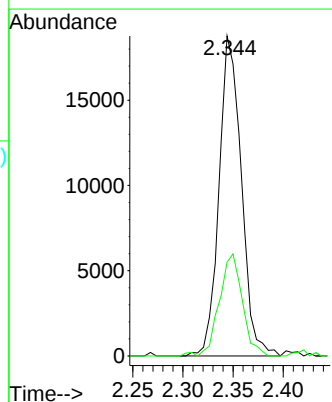
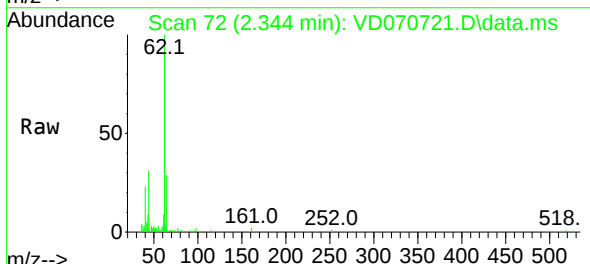
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2021

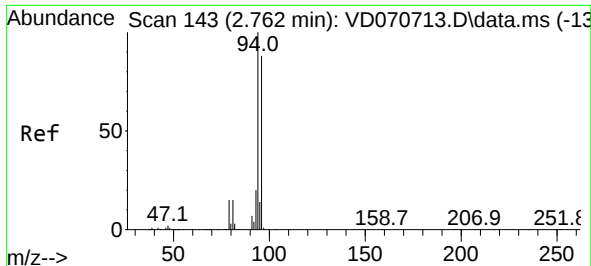
Tgt Ion: 50 Resp: 29953
Ion Ratio Lower Upper
50 100
52 33.4 26.0 39.0



#4
Vinyl Chloride
Concen: 4.326 ug/l
RT: 2.344 min Scan# 72
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

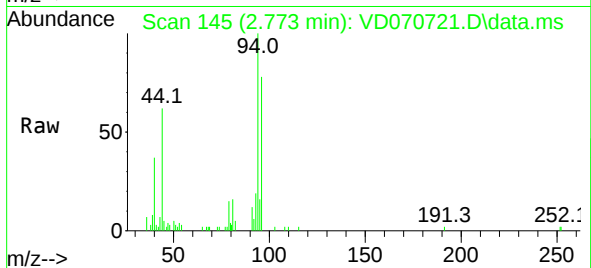
Tgt Ion: 62 Resp: 29015
Ion Ratio Lower Upper
62 100
64 29.3 24.9 37.3



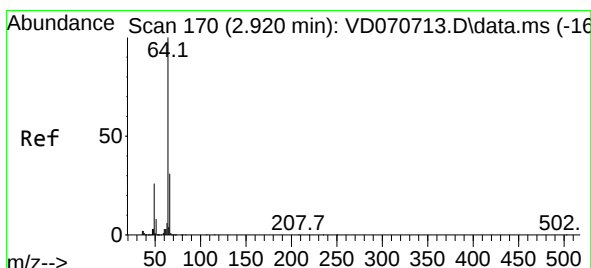
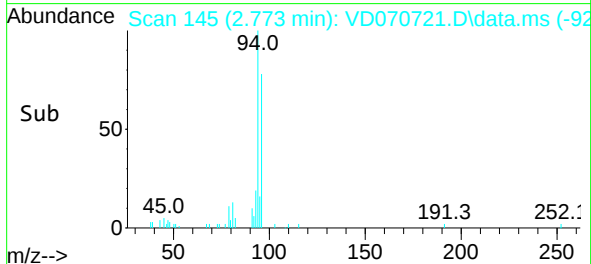
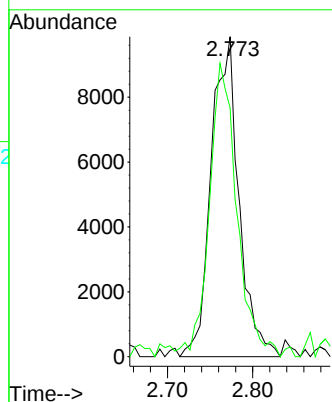


#5
Bromomethane
Concen: 5.440 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

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

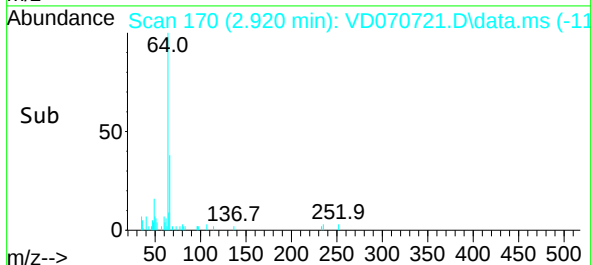
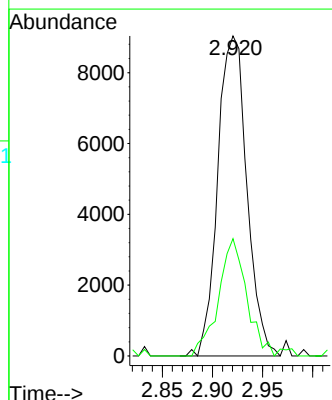
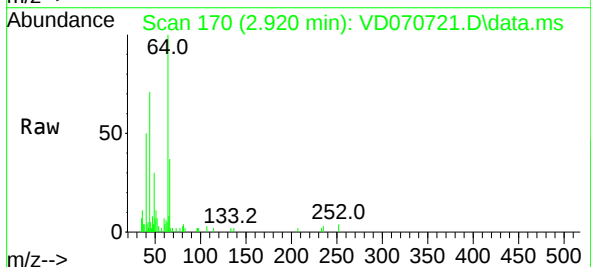


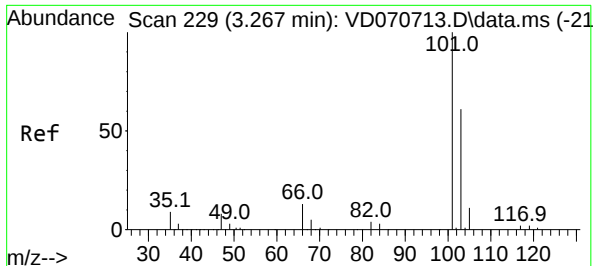
Tgt Ion: 94 Resp: 22247
Ion Ratio Lower Upper
94 100
96 77.7 75.5 113.3



#6
Chloroethane
Concen: 4.313 ug/l
RT: 2.920 min Scan# 170
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 64 Resp: 18217
Ion Ratio Lower Upper
64 100
66 36.6 26.6 40.0

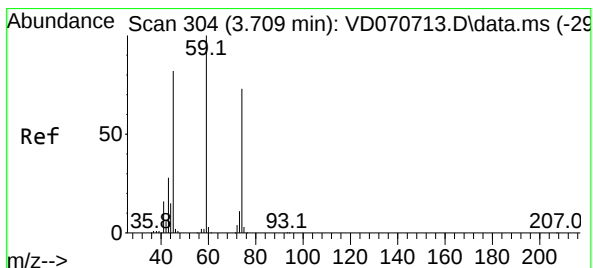
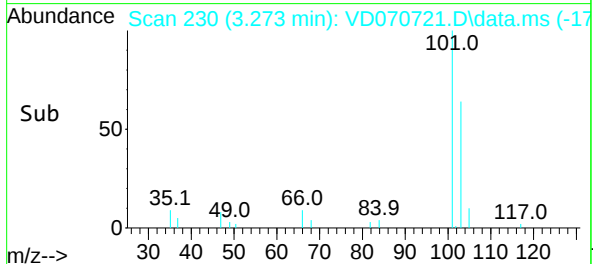
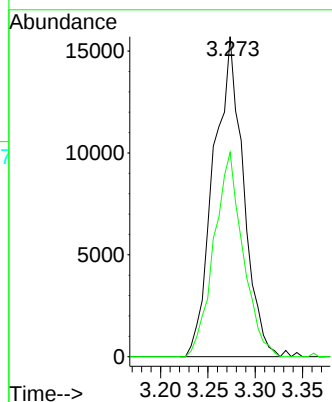
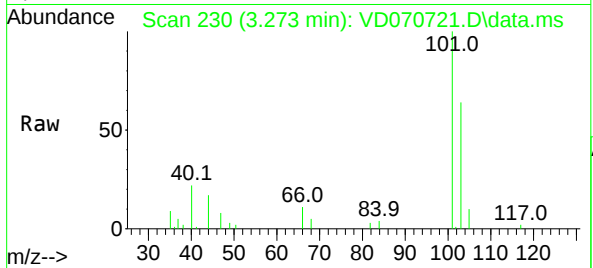




#7
 Trichlorofluoromethane
 Concen: 4.523 ug/l
 RT: 3.273 min Scan# 230
 Delta R.T. 0.006 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

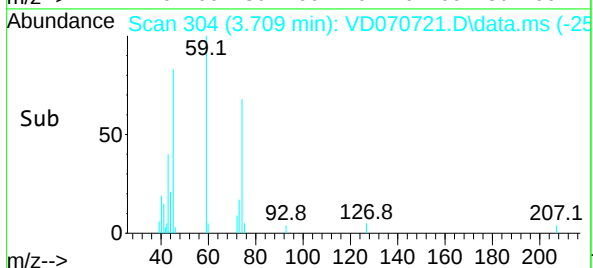
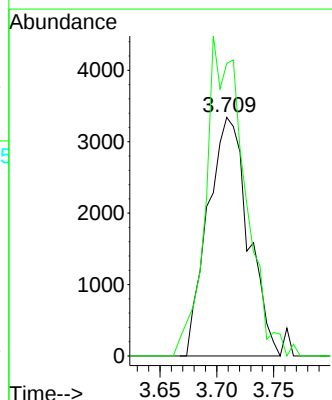
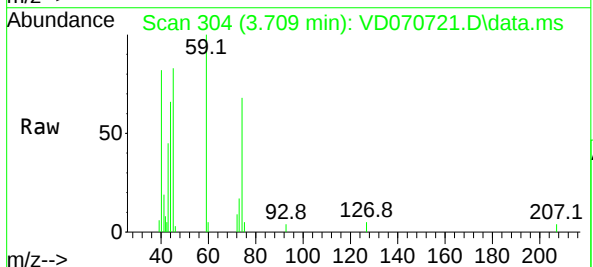
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

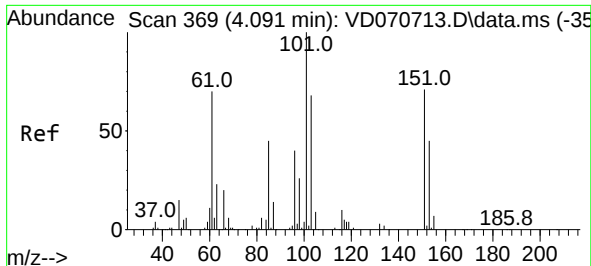
Tgt Ion:101 Resp: 34297
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.1 75.1



#8
 Diethyl Ether
 Concen: 4.101 ug/l
 RT: 3.709 min Scan# 304
 Delta R.T. 0.000 min
 Lab File: VD070721.D
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Tgt Ion: 74 Resp: 8286
 Ion Ratio Lower Upper
 74 100
 45 128.0 45.1 135.5

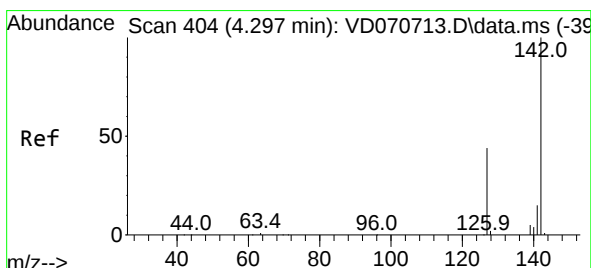
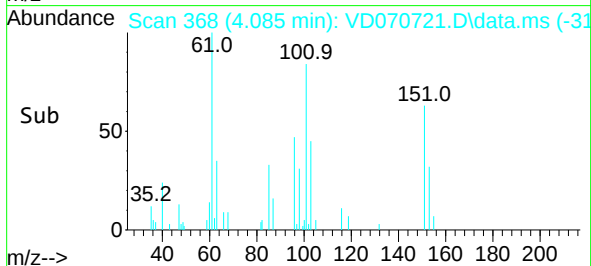
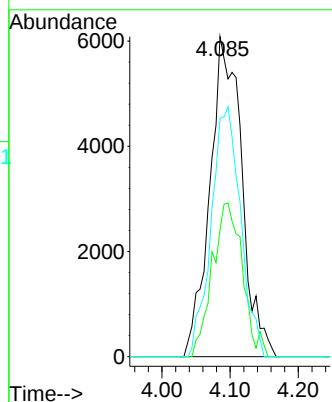
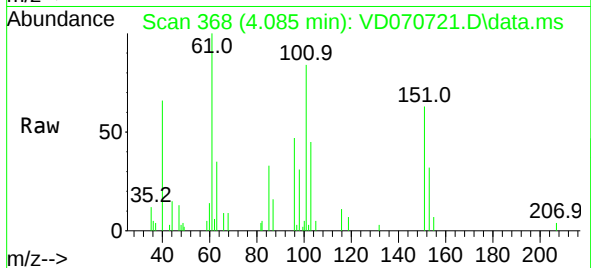




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.360 ug/l
RT: 4.085 min Scan# 368
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

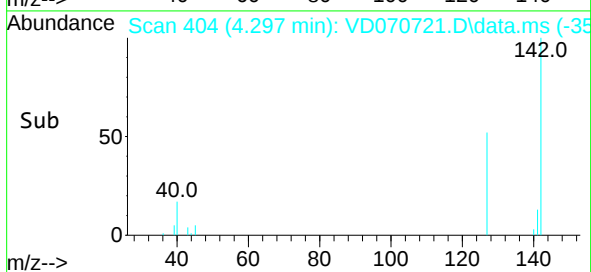
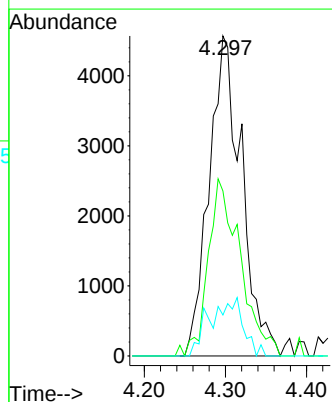
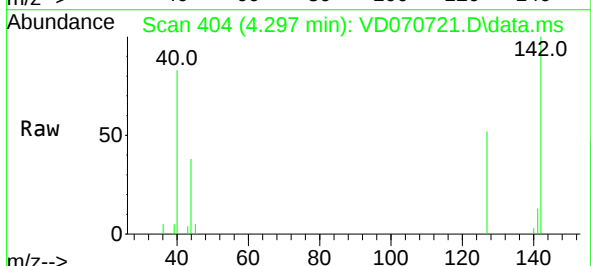
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

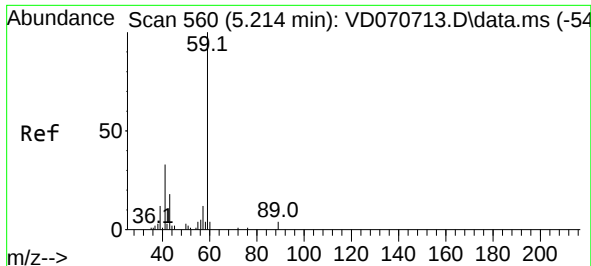
Tgt Ion:101	Resp:	19774
Ion Ratio	Lower	Upper
101	100	
85	45.3	35.5 53.3
151	72.0	55.8 83.8



#10
Methyl Iodide
Concen: 3.063 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:142	Resp:	12711
Ion Ratio	Lower	Upper
142	100	
127	54.9	37.5 56.3
141	0.0	12.1 18.1#

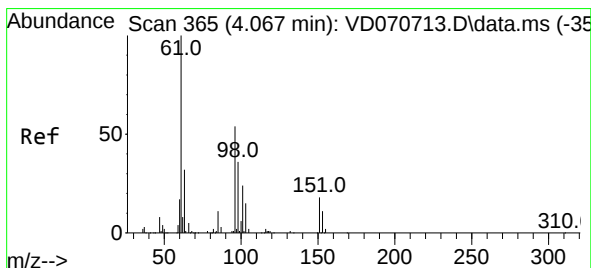
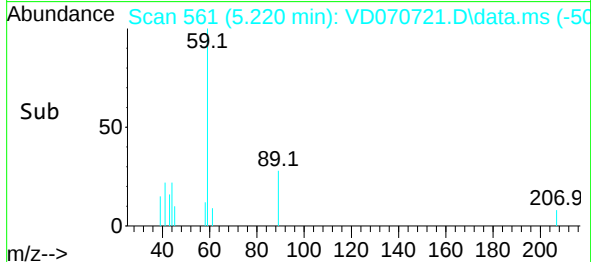
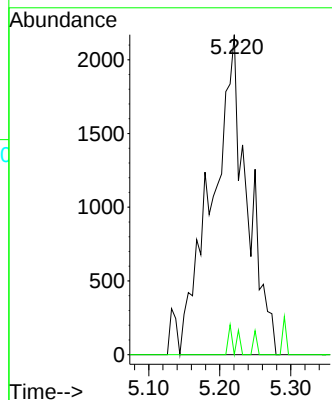
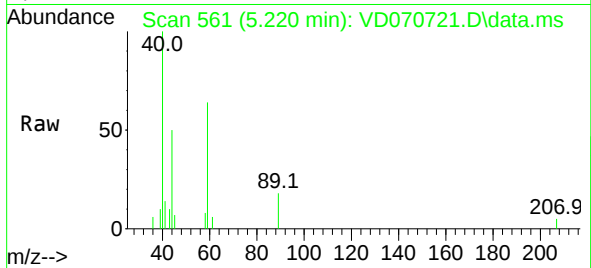




#11
Tert butyl alcohol
Concen: 29.684 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

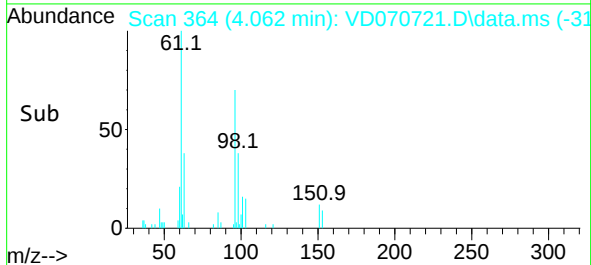
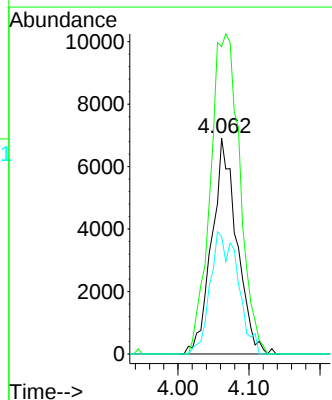
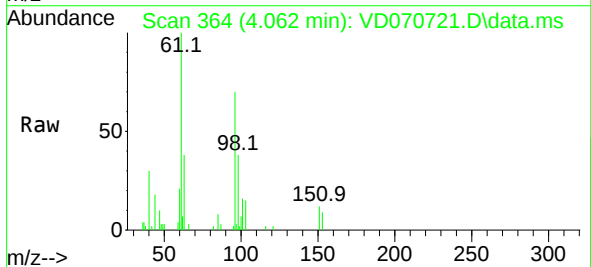
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

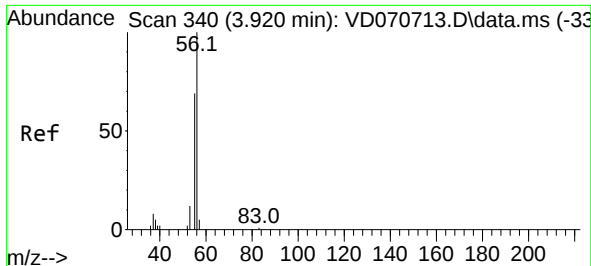
Tgt Ion: 59 Resp: 7426
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 4.103 ug/l
RT: 4.062 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 96 Resp: 16826
Ion Ratio Lower Upper
96 100
61 142.6 125.9 188.9
98 54.4 52.3 78.5

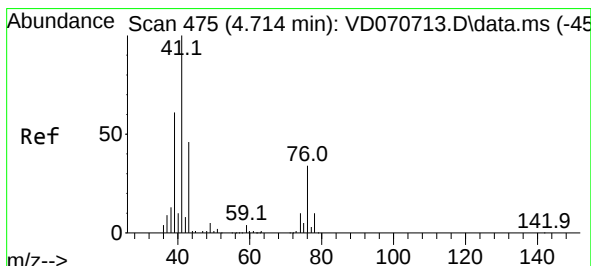
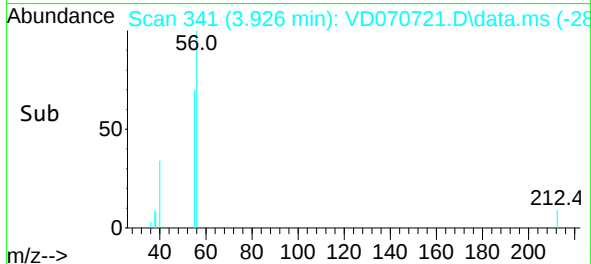
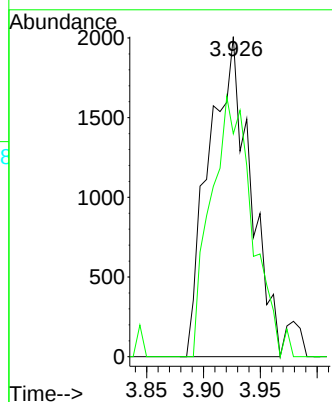
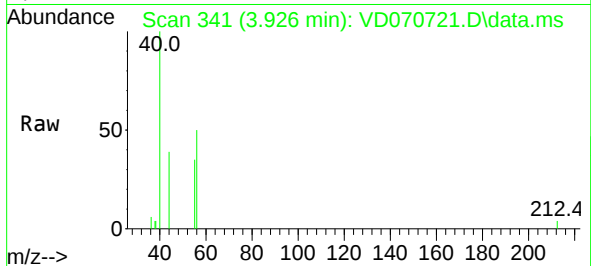




#13
Acrolein
Concen: 20.997 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

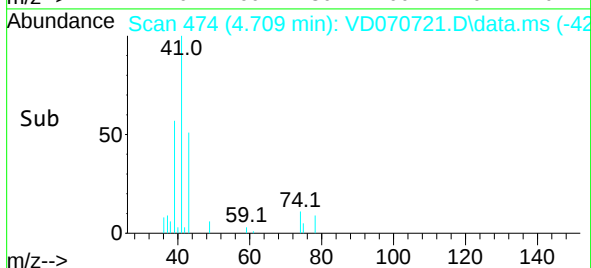
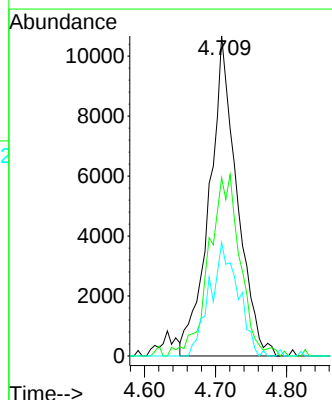
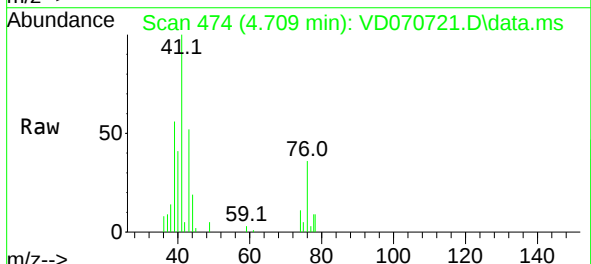
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

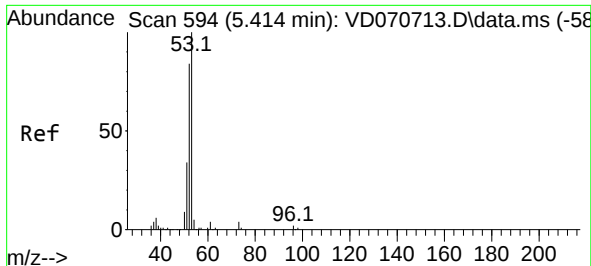
Tgt Ion: 56 Resp: 5084
Ion Ratio Lower Upper
56 100
55 81.6 56.8 85.2



#14
Allyl chloride
Concen: 3.719 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 41 Resp: 28874
Ion Ratio Lower Upper
41 100
39 64.3 46.4 69.6
76 36.0 34.6 51.8

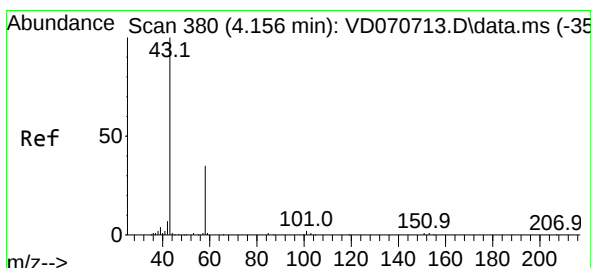
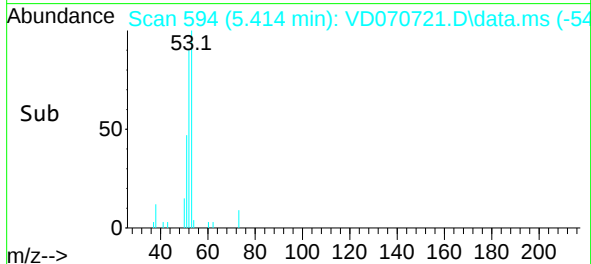
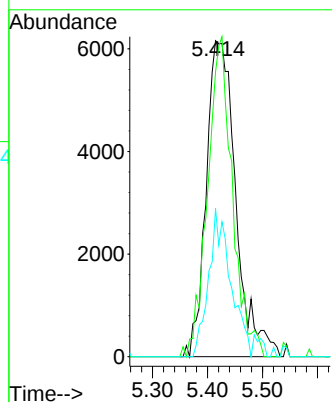
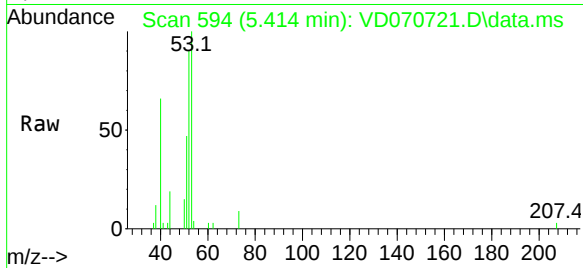




#15
Acrylonitrile
Concen: 21.595 ug/l
RT: 5.414 min Scan# 594
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

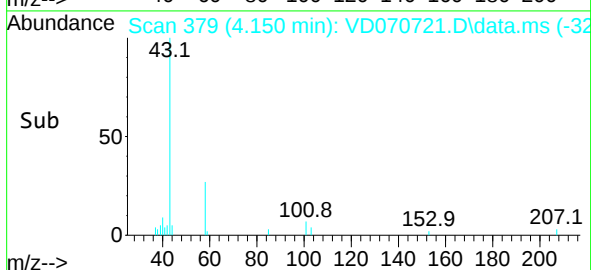
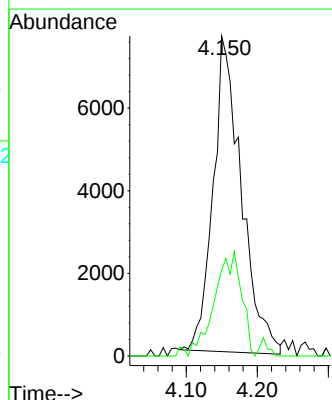
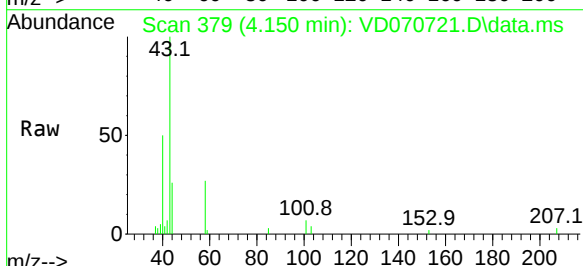
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

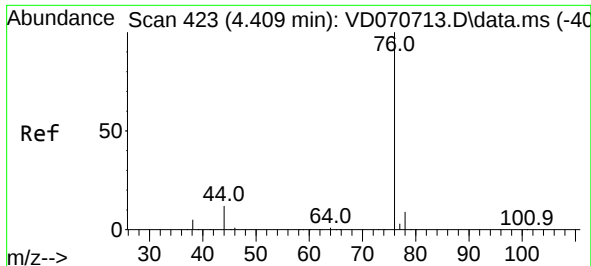
Tgt Ion:	53	Resp:	22973
Ion	Ratio	Lower	Upper
53	100		
52	84.9	64.6	97.0
51	34.9	28.7	43.1



#16
Acetone
Concen: 19.548 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	43	Resp:	21070
Ion	Ratio	Lower	Upper
43	100		
58	27.4	28.2	42.2#

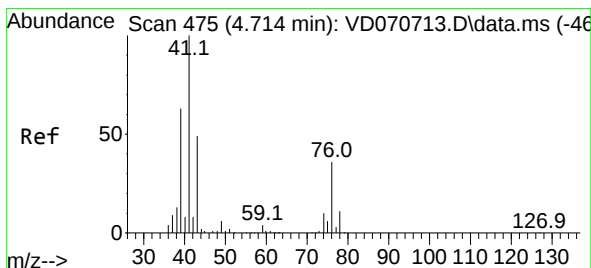
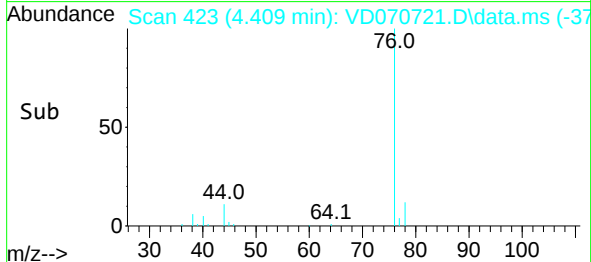
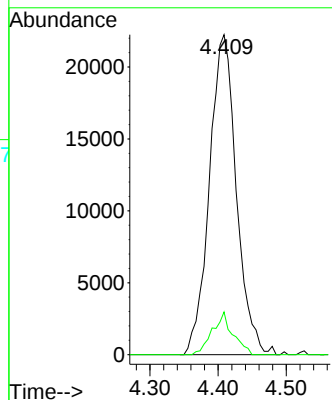
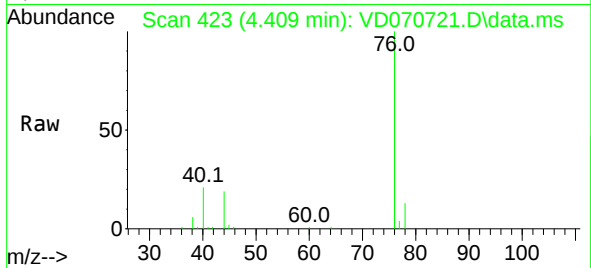




#17
Carbon Disulfide
Concen: 4.102 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

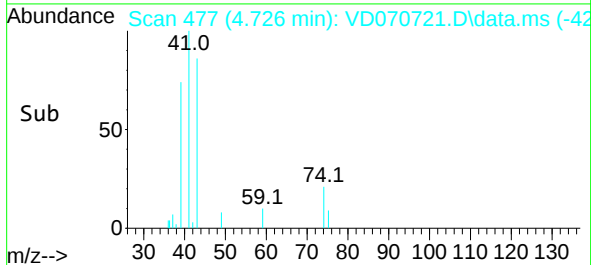
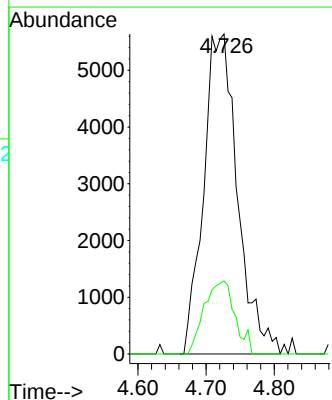
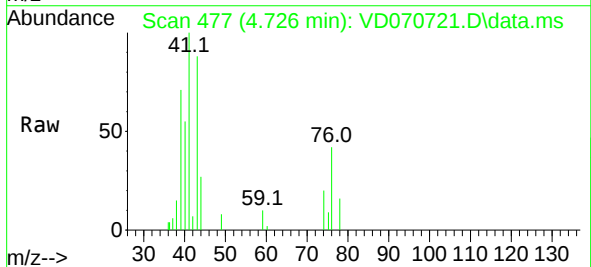
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

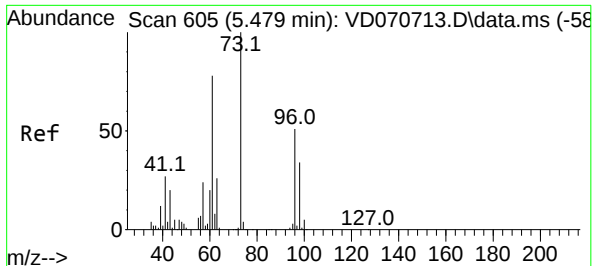
Tgt Ion: 76 Resp: 61294
Ion Ratio Lower Upper
76 100
78 13.4 7.4 11.2#



#18
Methyl Acetate
Concen: 5.207 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 43 Resp: 19507
Ion Ratio Lower Upper
43 100
74 20.6 22.6 33.8#



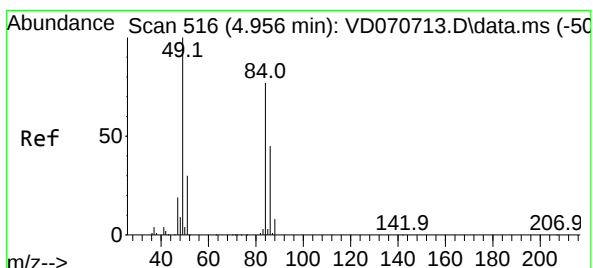
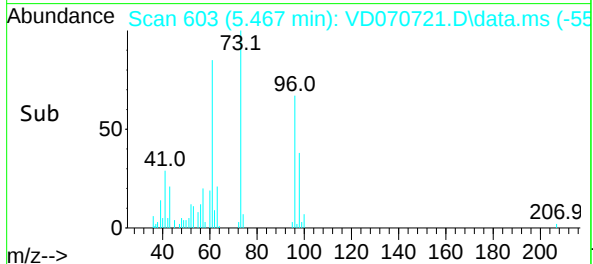
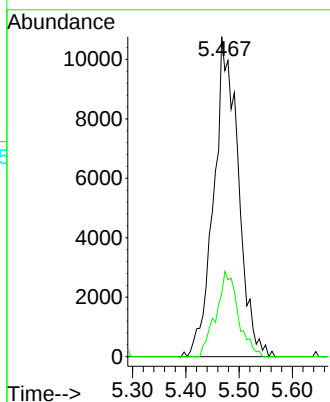
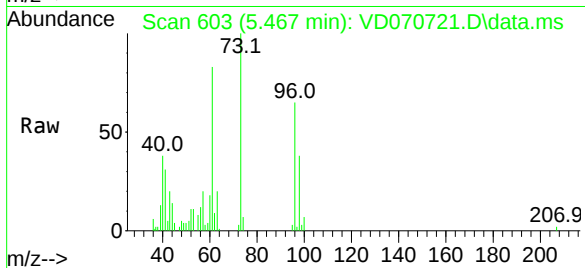


#19

Methyl tert-butyl Ether
 Concen: 3.885 ug/l
 RT: 5.467 min Scan# 603
 Delta R.T. -0.012 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

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

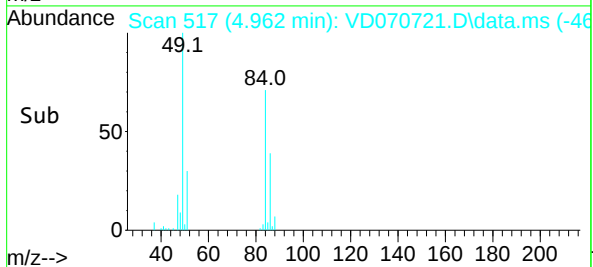
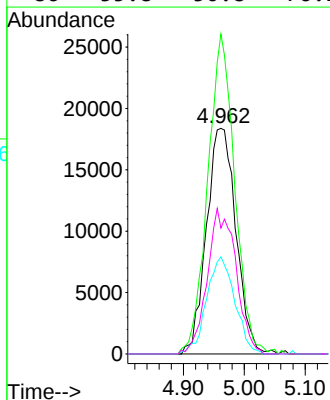
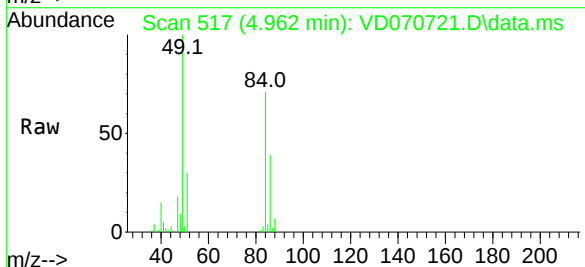
Tgt Ion: 73 Resp: 34448
 Ion Ratio Lower Upper
 73 100
 57 19.7 18.1 27.1



#20

Methylene Chloride
 Concen: 8.902 ug/l
 RT: 4.962 min Scan# 517
 Delta R.T. 0.005 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

Tgt Ion: 84 Resp: 61931
 Ion Ratio Lower Upper
 84 100
 49 141.8 91.4 137.2#
 51 43.1 26.7 40.1#
 86 55.8 50.8 76.2

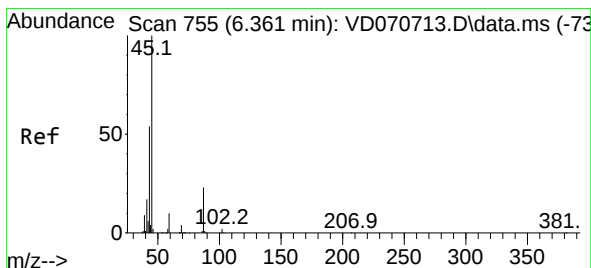
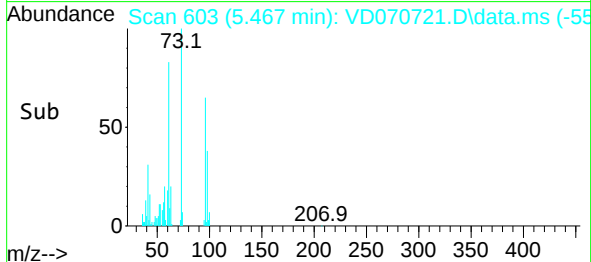
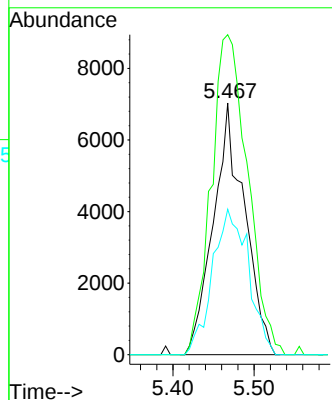
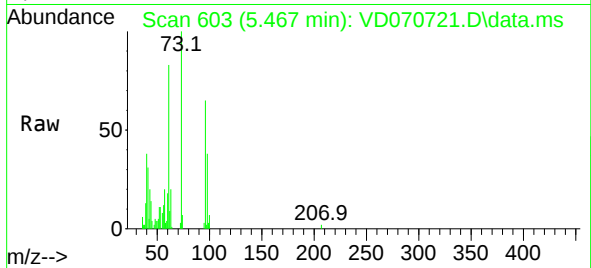




#21
trans-1,2-Dichloroethene
Concen: 4.002 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

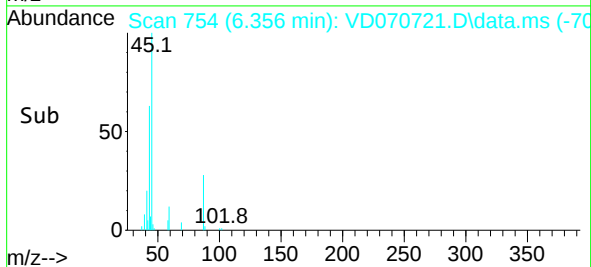
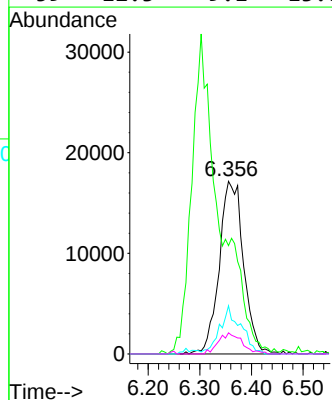
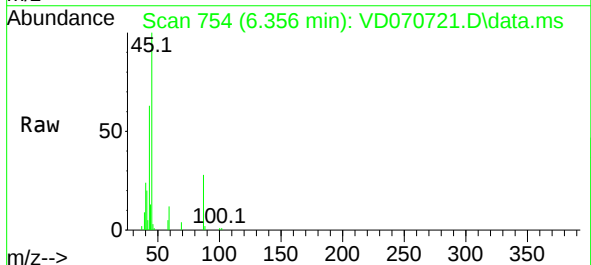
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

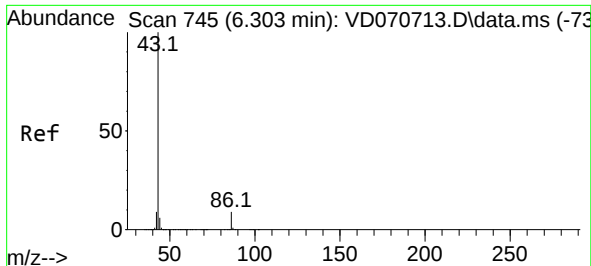
Tgt Ion: 96 Resp: 18827
Ion Ratio Lower Upper
96 100
61 127.1 111.1 166.7
98 57.8 51.9 77.9



#22
Diisopropyl ether
Concen: 3.712 ug/l
RT: 6.356 min Scan# 754
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 45 Resp: 56107
Ion Ratio Lower Upper
45 100
43 61.5 40.6 61.0#
87 27.9 24.6 37.0
59 12.3 9.1 13.7

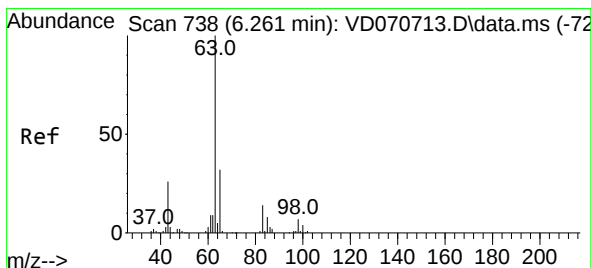
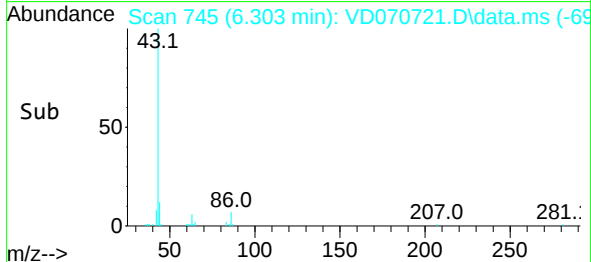
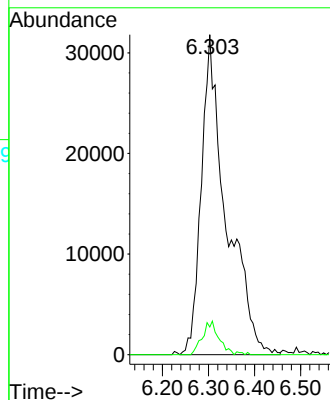
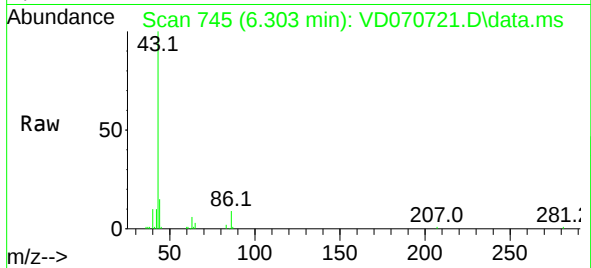




#23
 Vinyl Acetate
 Concen: 16.818 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

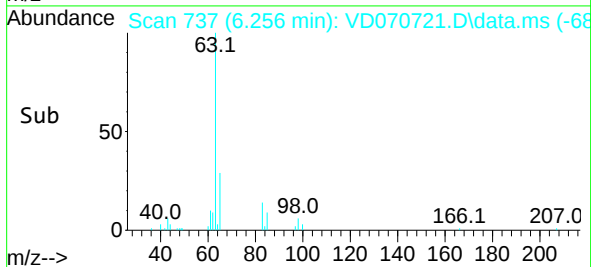
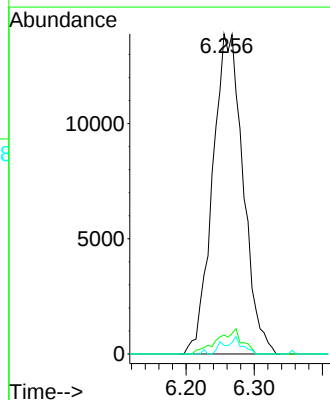
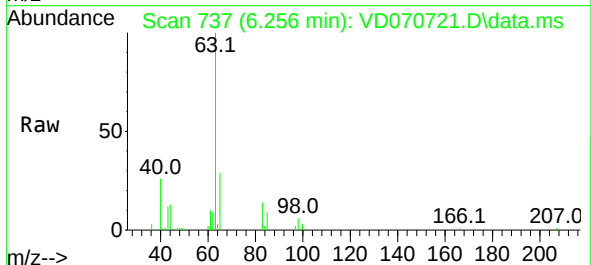
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

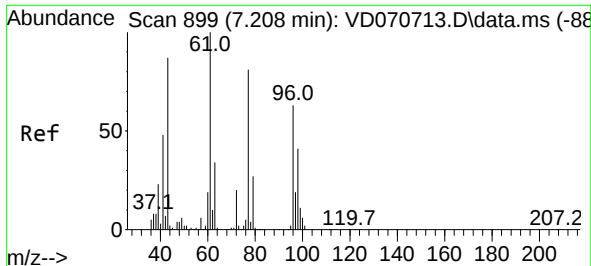
Tgt Ion: 43 Resp: 120091
 Ion Ratio Lower Upper
 43 100
 86 8.7 9.8 14.6#



#24
 1,1-Dichloroethane
 Concen: 4.595 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. -0.006 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

Tgt Ion: 63 Resp: 43266
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.6 10.9
 100 2.7 2.4 7.2

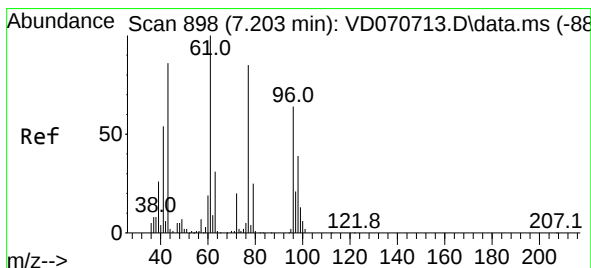
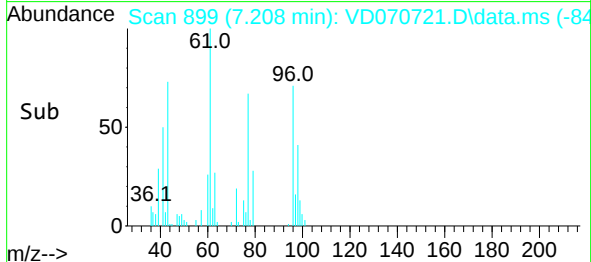
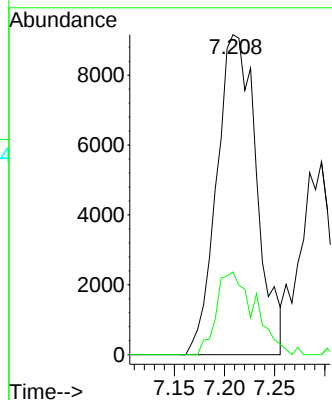
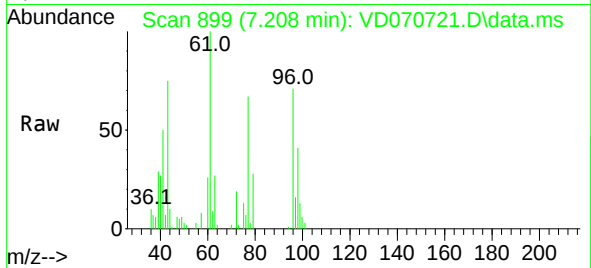




#25
2-Butanone
Concen: 19.000 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

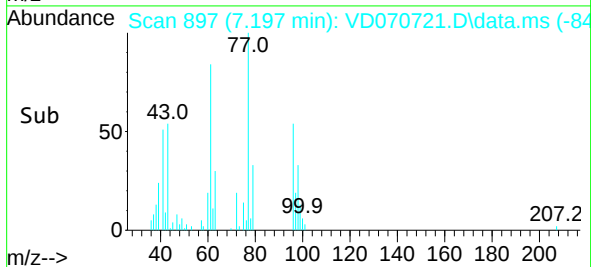
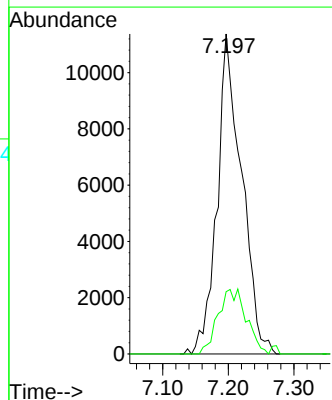
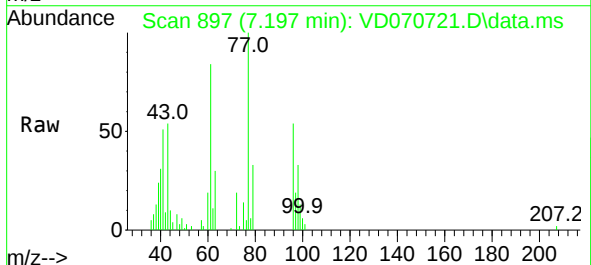
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

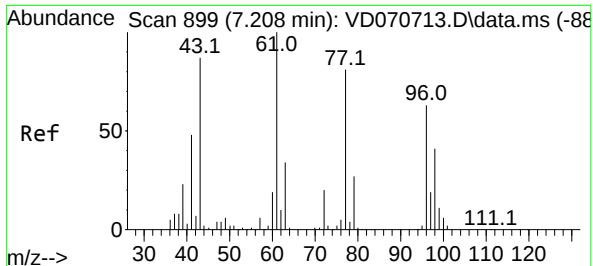
Tgt Ion: 43 Resp: 25300
Ion Ratio Lower Upper
43 100
72 25.8 25.2 37.8



#26
2,2-Dichloropropane
Concen: 3.960 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 77 Resp: 29491
Ion Ratio Lower Upper
77 100
97 23.4 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 4.163 ug/l

RT: 7.208 min Scan# 899

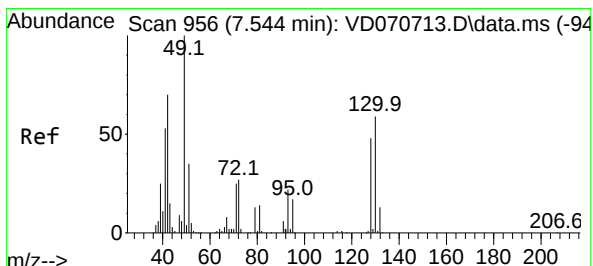
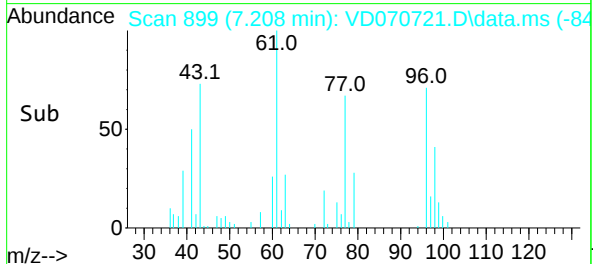
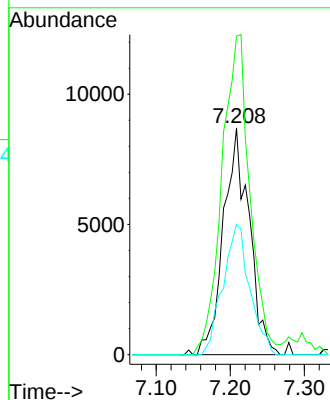
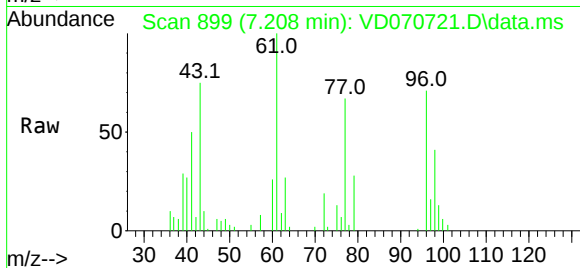
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	96	Resp:	21002
Ion	Ratio	Lower	Upper
96	100		
61	153.2	0.0	278.2
98	60.0	0.0	128.6

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



#28

Bromochloromethane

Concen: 4.814 ug/l

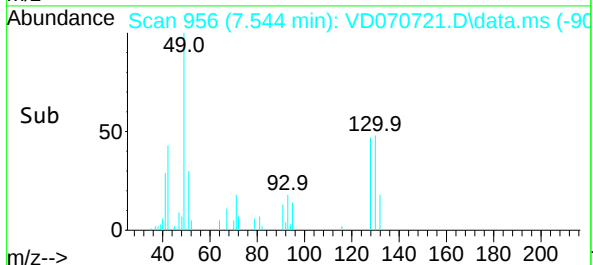
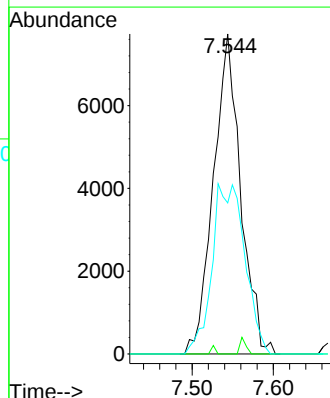
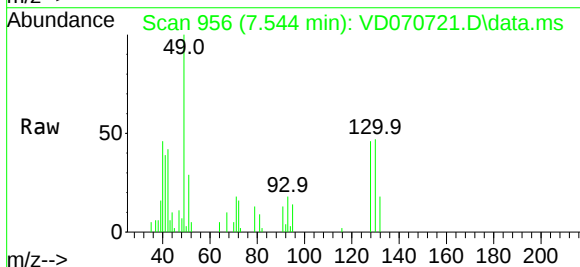
RT: 7.544 min Scan# 956

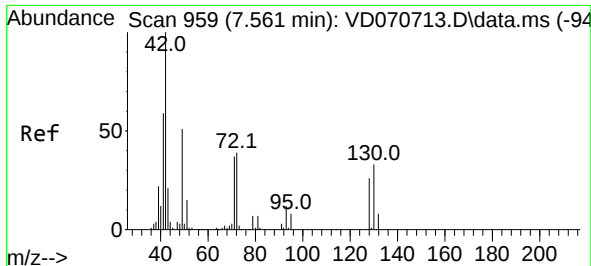
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	49	Resp:	18020
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.8
130	0.0	62.4	93.6#





#29

Tetrahydrofuran

Concen: 19.630 ug/l

RT: 7.555 min Scan# 958

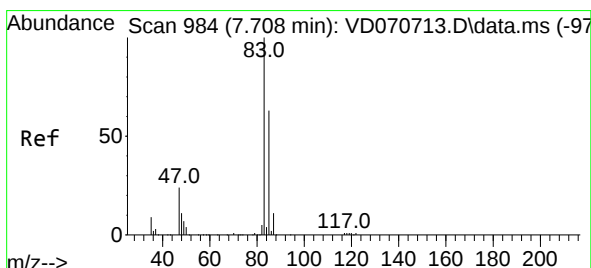
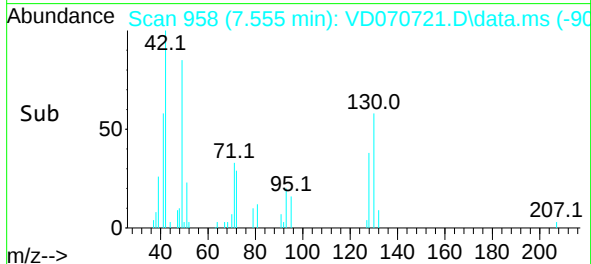
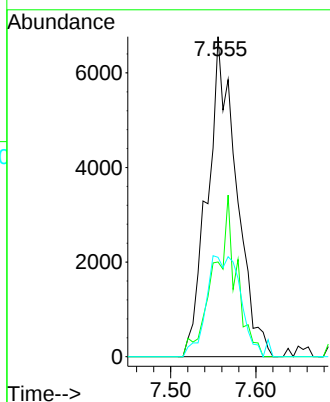
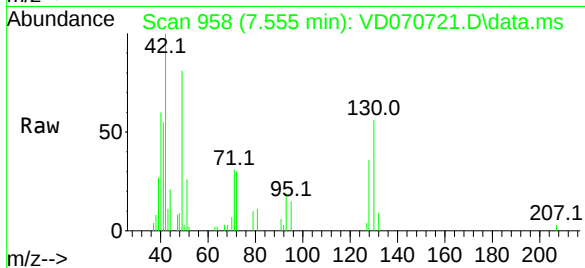
Delta R.T. -0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

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

Tgt Ion:	42	Resp:	16001
Ion	Ratio	Lower	Upper
42	100		
72	39.2	40.2	60.4#
71	37.2	37.2	55.8#



#30

Chloroform

Concen: 4.372 ug/l

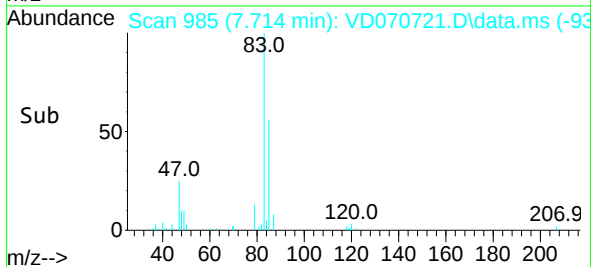
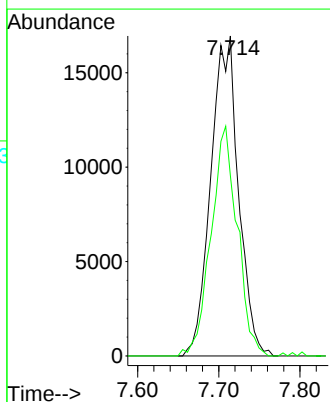
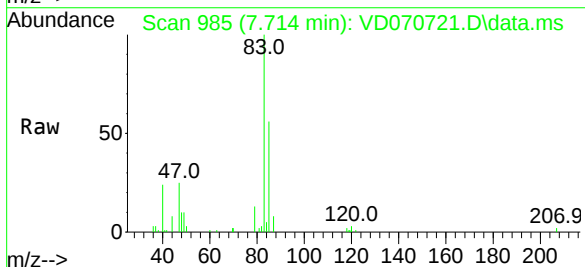
RT: 7.714 min Scan# 985

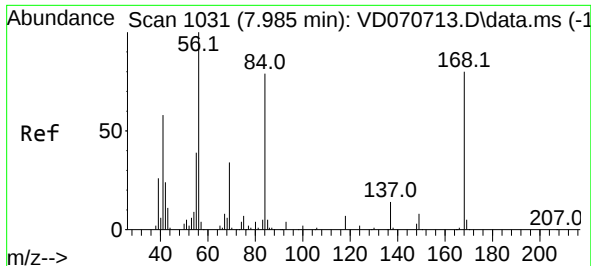
Delta R.T. 0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	83	Resp:	40219
Ion	Ratio	Lower	Upper
83	100		
85	56.4	51.2	76.8





#31

Cyclohexane

Concen: 4.353 ug/l

RT: 7.985 min Scan# 1031

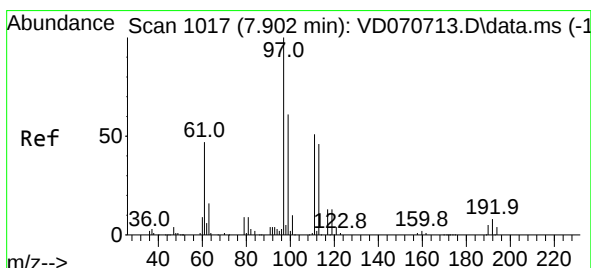
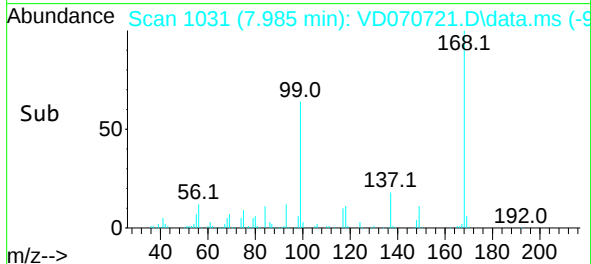
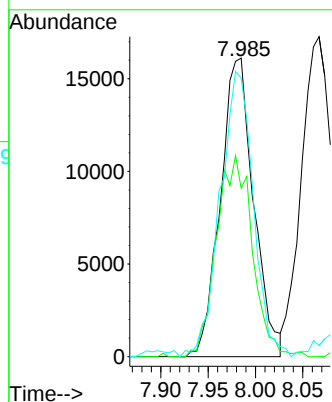
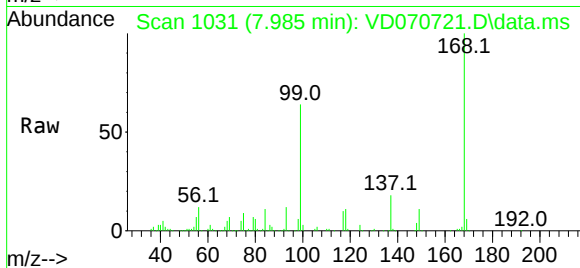
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	56	Resp:	39357
Ion	Ratio	Lower	Upper
56	100		
69	56.4	27.4	41.2#
84	93.3	73.6	110.4

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



#32

1,1,1-Trichloroethane

Concen: 4.244 ug/l

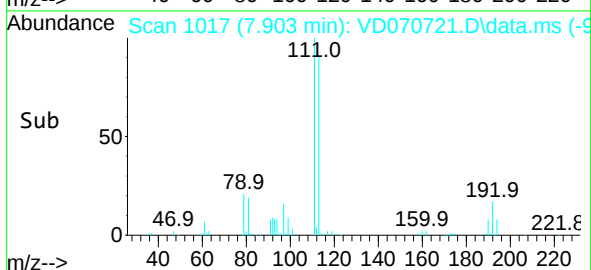
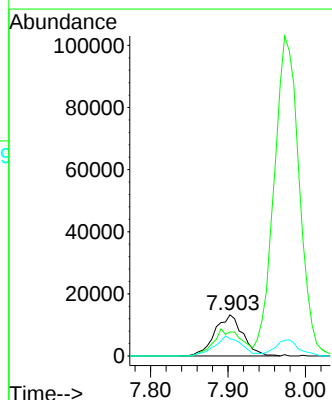
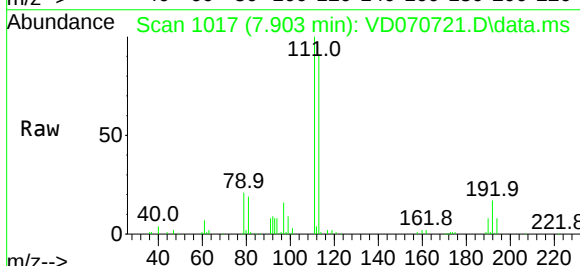
RT: 7.903 min Scan# 1017

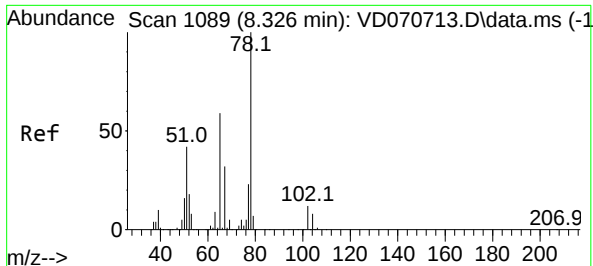
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	97	Resp:	33124
Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.7	76.1
61	46.8	32.5	48.7

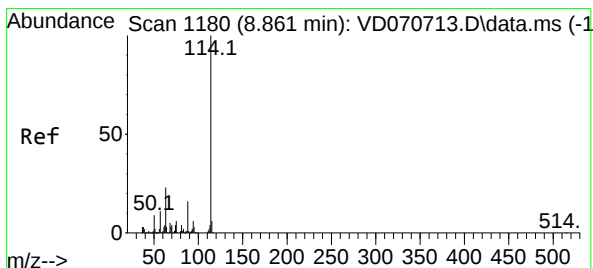
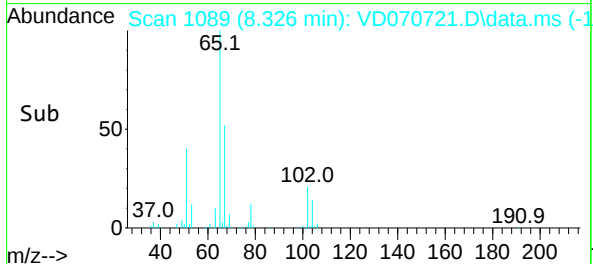
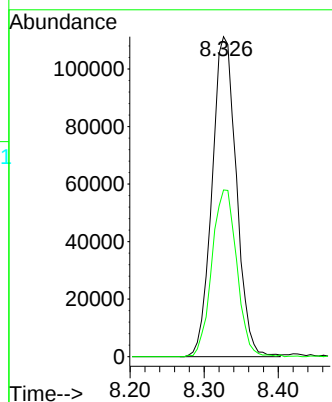
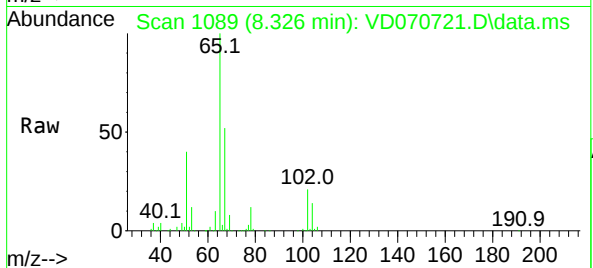




#33
1,2-Dichloroethane-d4
Concen: 56.711 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

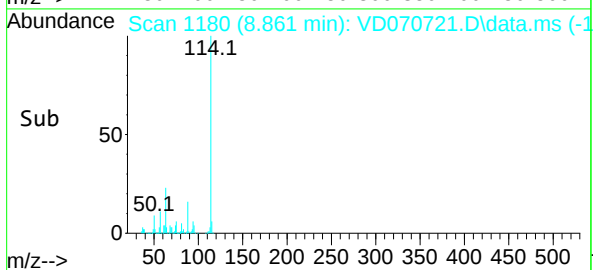
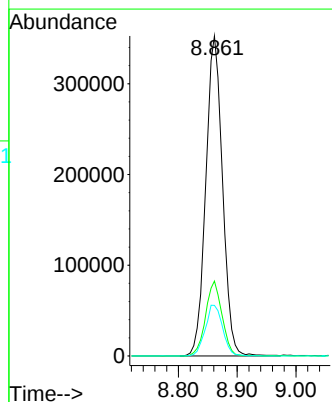
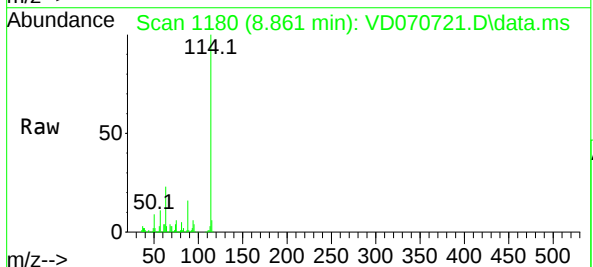
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

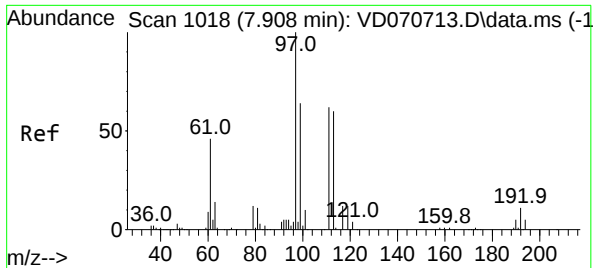
Tgt Ion: 65 Resp: 253430
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 114 Resp: 695401
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 15.8 0.0 32.6

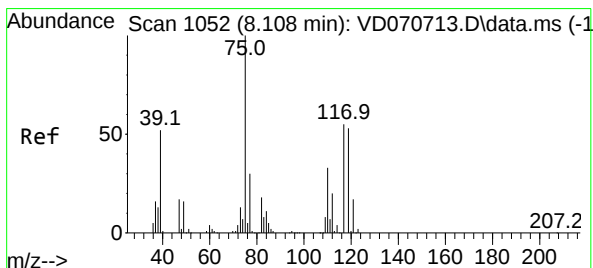
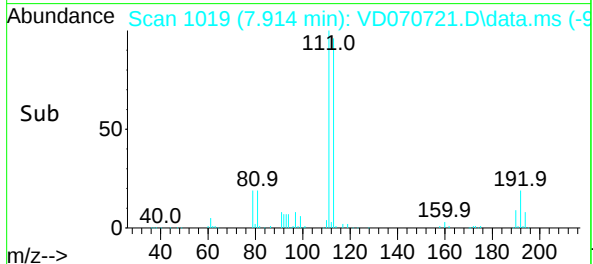
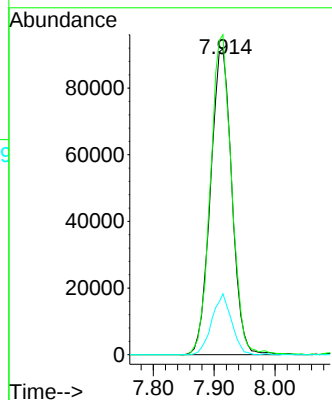
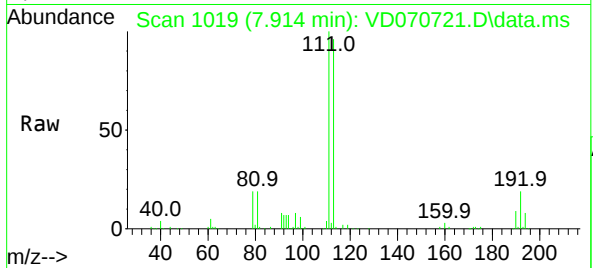




#35
Dibromofluoromethane
Concen: 50.206 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

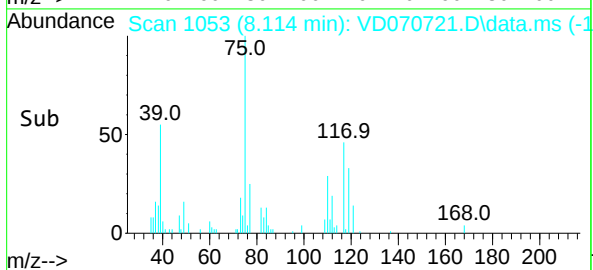
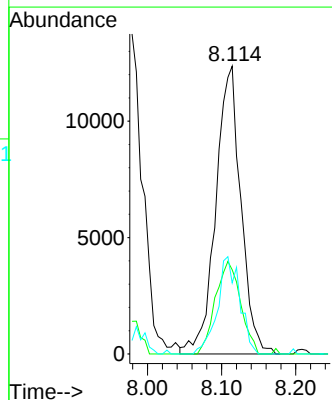
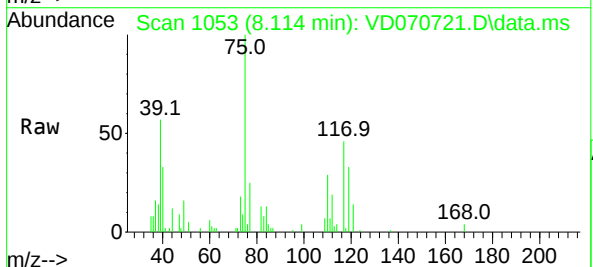
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

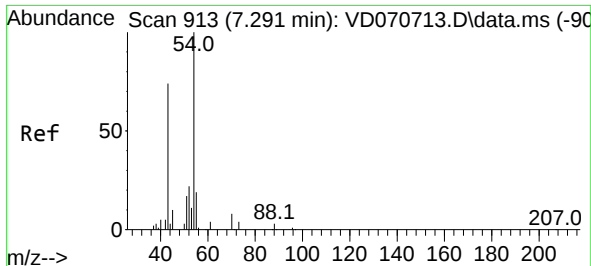
Tgt Ion:113 Resp: 223554
Ion Ratio Lower Upper
113 100
111 103.4 83.1 124.7
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.762 ug/l
RT: 8.114 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 75 Resp: 29147
Ion Ratio Lower Upper
75 100
110 32.2 17.2 51.6
77 30.1 24.2 36.4





#37

Ethyl Acetate

Concen: 3.498 ug/l

RT: 7.297 min Scan# 914

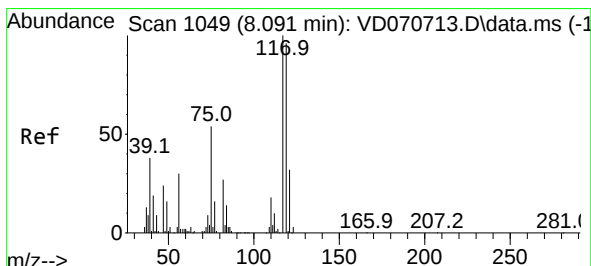
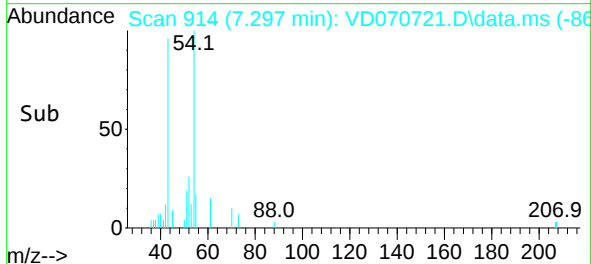
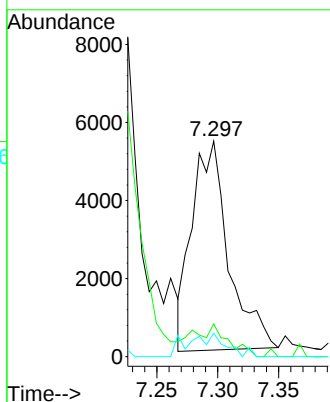
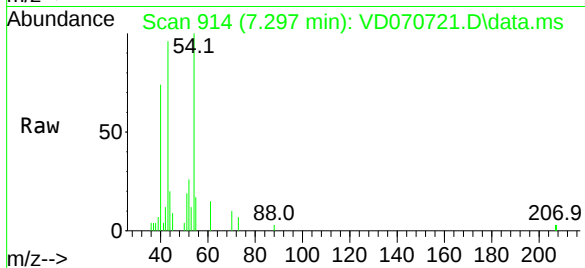
Delta R.T. 0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

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

Tgt Ion:	43	Resp:	11228
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 3.825 ug/l

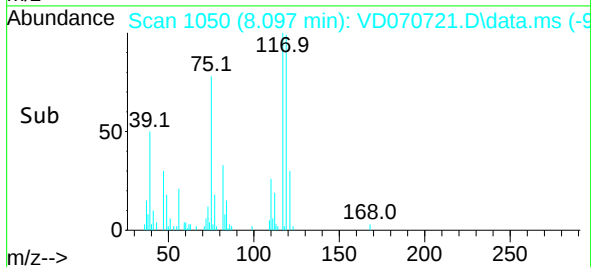
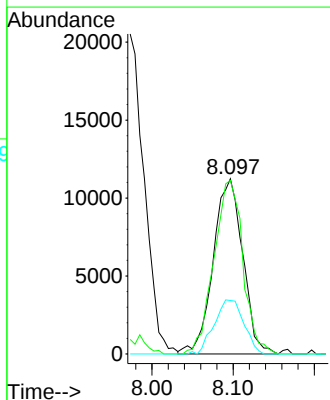
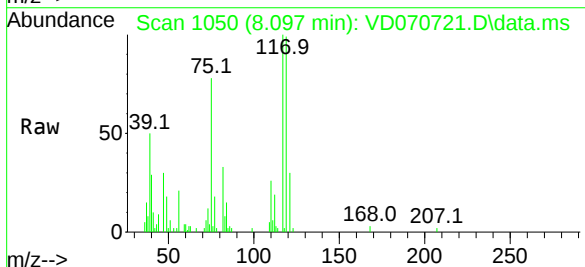
RT: 8.097 min Scan# 1050

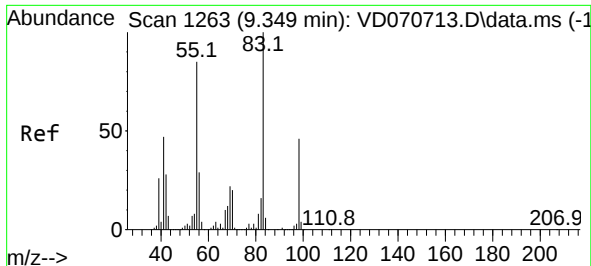
Delta R.T. 0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	117	Resp:	28384
Ion	Ratio	Lower	Upper
117	100		
119	99.2	77.4	116.0
121	30.5	25.4	38.0





#39

Methylcyclohexane

Concen: 3.433 ug/l

RT: 9.350 min Scan# 1263

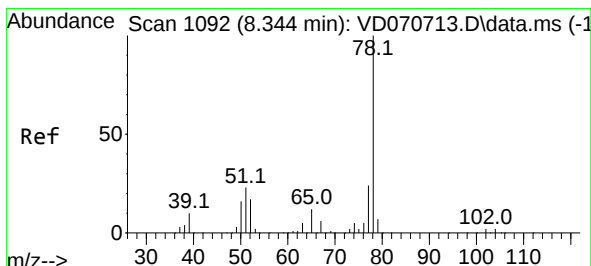
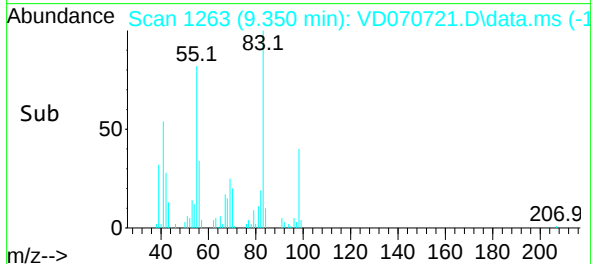
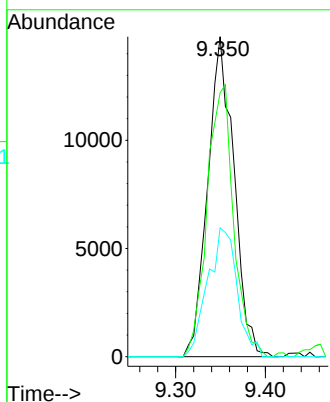
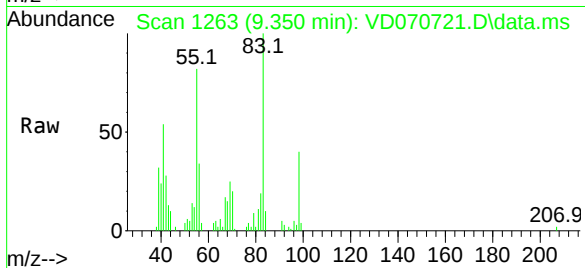
Delta R.T. 0.001 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	83	Resp:	29988
Ion	Ratio	Lower	Upper
83	100		
55	82.5	58.2	87.4
98	40.2	36.9	55.3

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



#40

Benzene

Concen: 3.898 ug/l

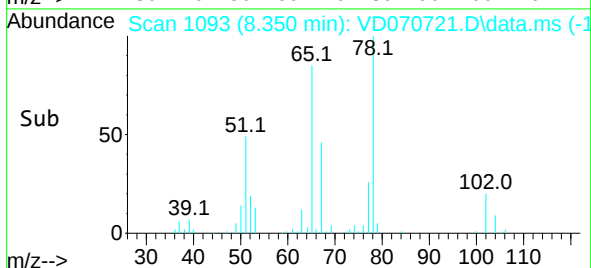
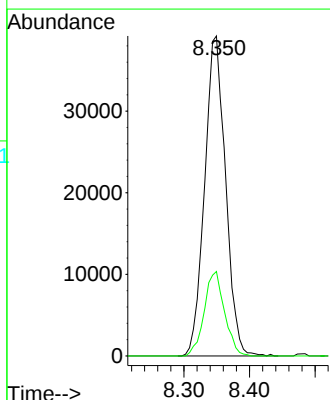
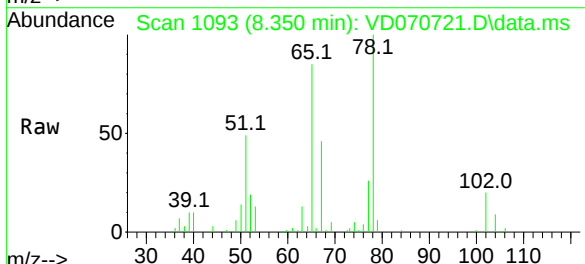
RT: 8.350 min Scan# 1093

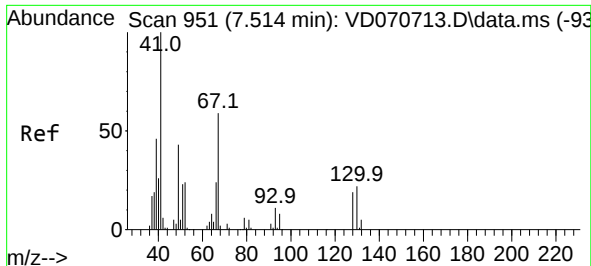
Delta R.T. 0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:	78	Resp:	86979
Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.9	28.3

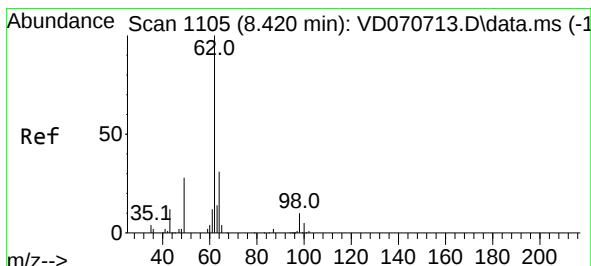
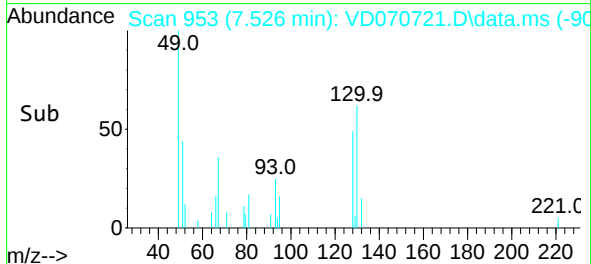
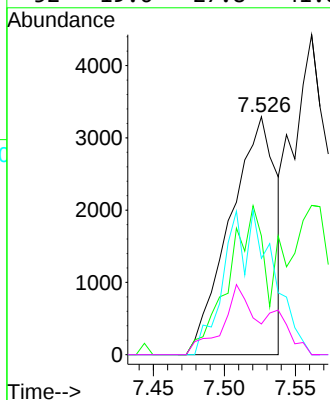
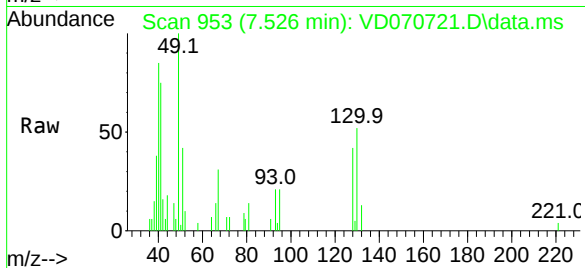




#41
Methacrylonitrile
Concen: 4.022 ug/l
RT: 7.526 min Scan# 953
Delta R.T. 0.012 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

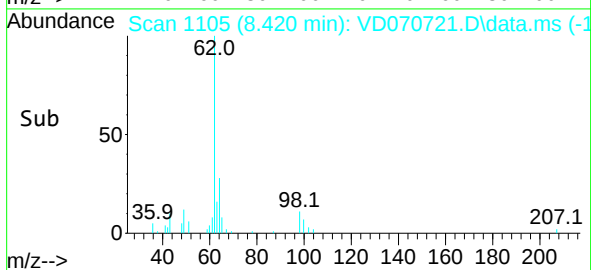
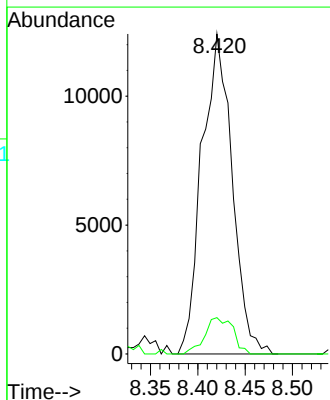
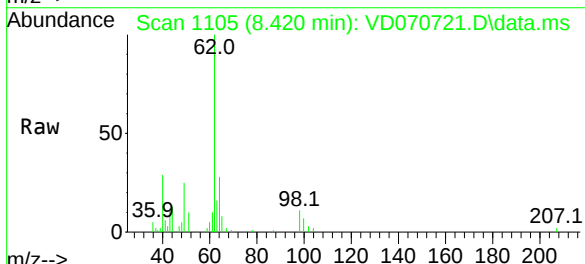
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

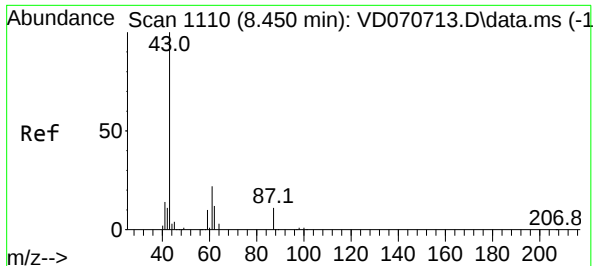
Tgt Ion:	41	Resp:	7409
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.2	67.8
67	29.2	75.8	113.6#
52	19.6	27.8	41.8#



#42
1,2-Dichloroethane
Concen: 4.366 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	62	Resp:	27649
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0

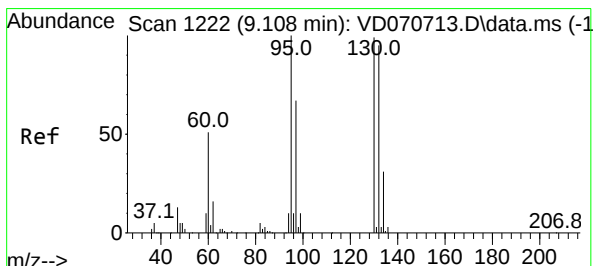
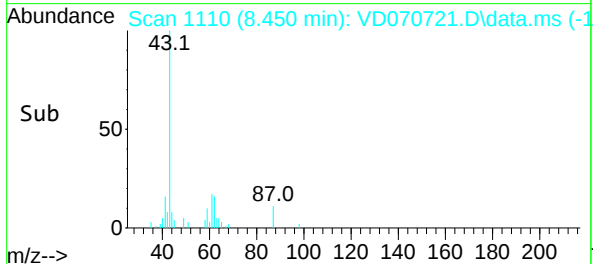
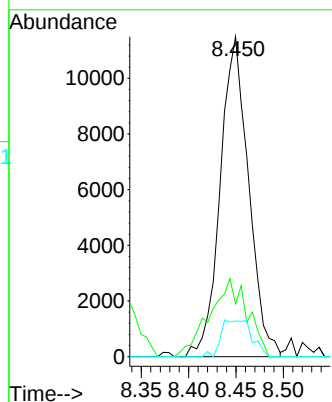
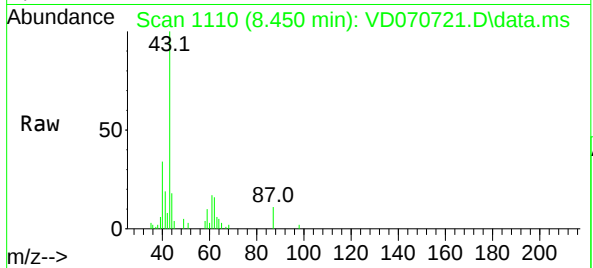




#43
Isopropyl Acetate
Concen: 3.916 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

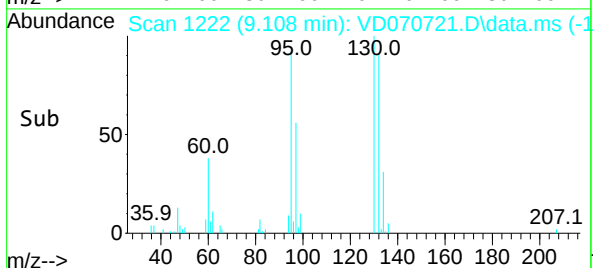
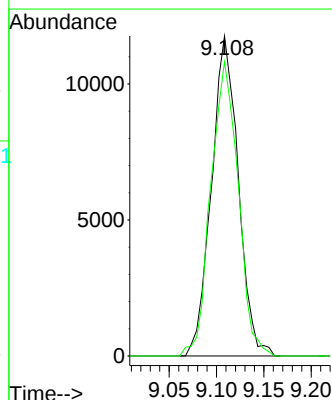
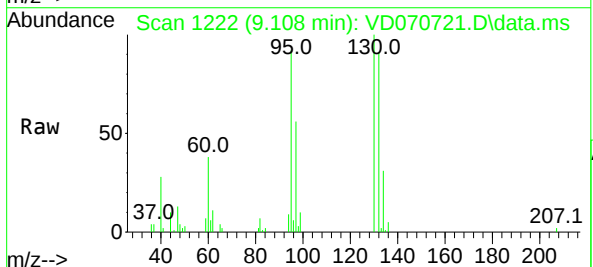
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

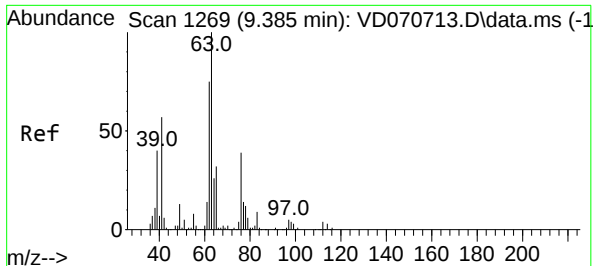
Tgt Ion: 43	Resp: 23973
Ion Ratio	Lower Upper
43 100	
61 32.3	29.0 43.4
87 12.3	11.8 17.6



#44
Trichloroethene
Concen: 4.420 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:130	Resp:	23157	
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	200.8



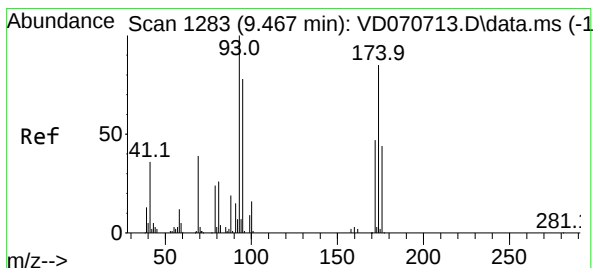
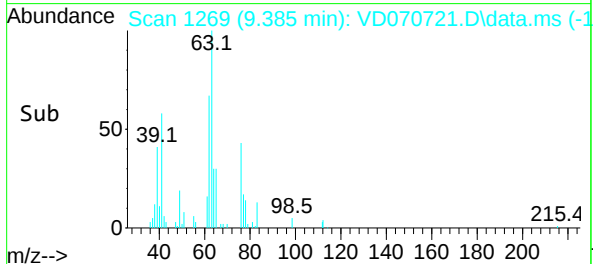
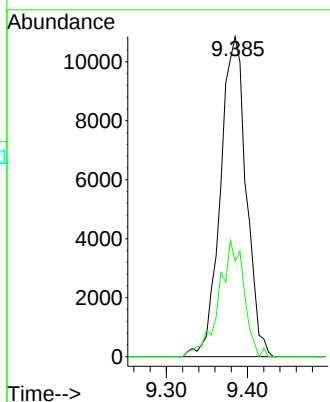
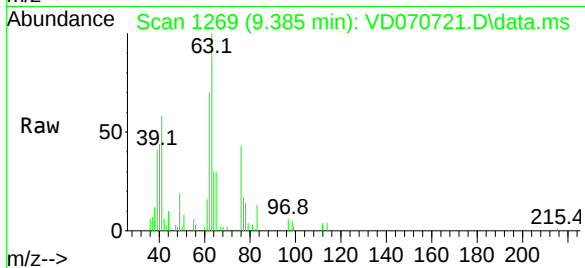


#45

1,2-Dichloropropane
Concen: 4.066 ug/l
RT: 9.385 min Scan# 1269
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

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

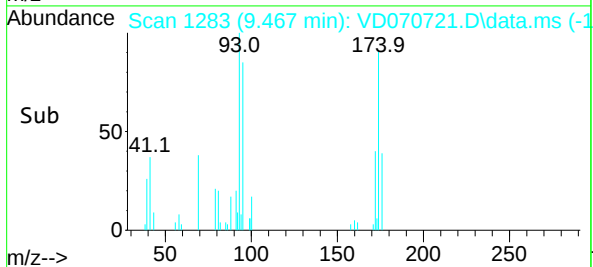
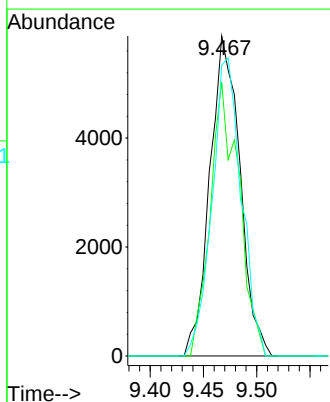
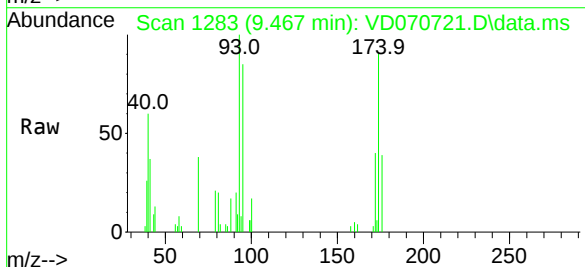
Tgt Ion: 63 Resp: 23968
Ion Ratio Lower Upper
63 100
65 29.9 23.8 35.8

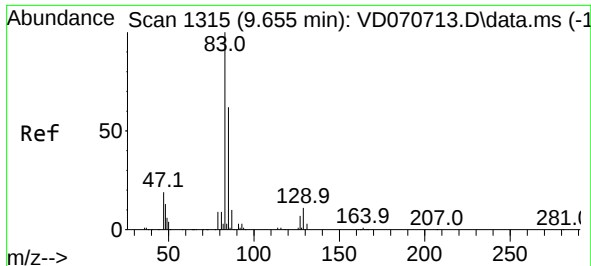


#46

Dibromomethane
Concen: 4.089 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 93 Resp: 11542
Ion Ratio Lower Upper
93 100
95 81.8 66.5 99.7
174 90.6 66.7 100.1

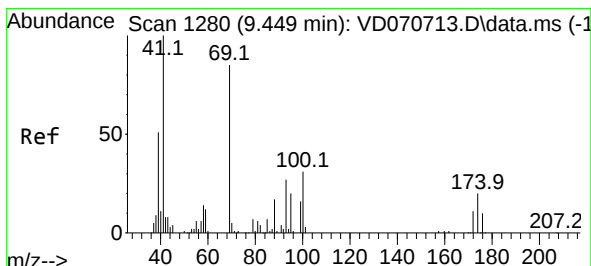
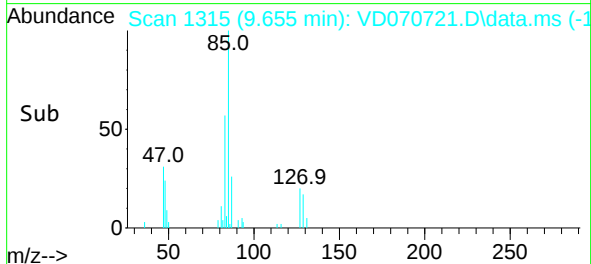
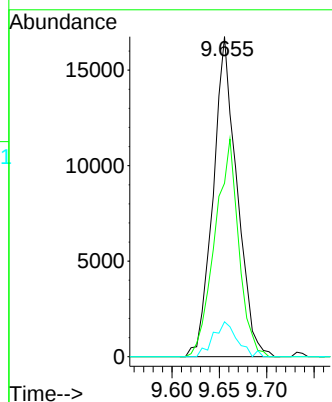
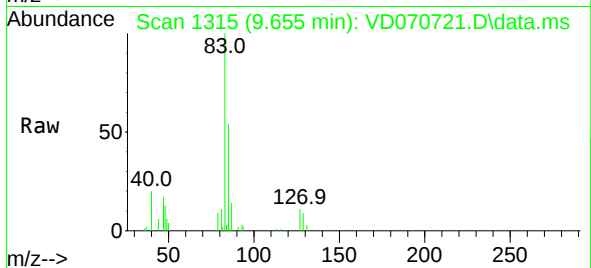




#47
Bromodichloromethane
Concen: 3.919 ug/l
RT: 9.655 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

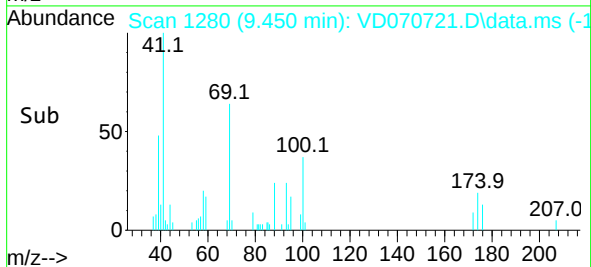
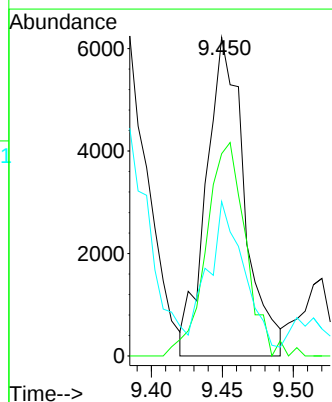
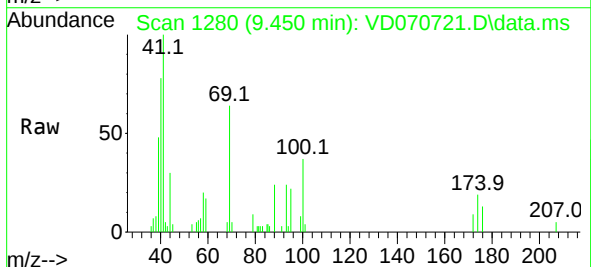
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

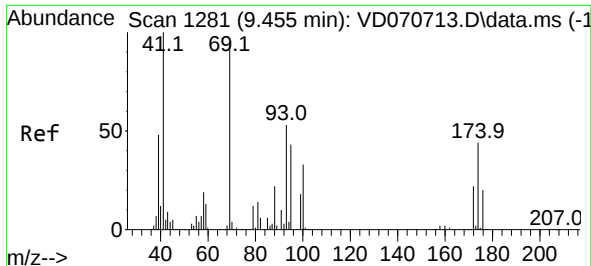
Tgt Ion:	83	Resp:	29351
Ion	Ratio	Lower	Upper
83	100		
85	54.2	50.7	76.1
127	10.9	6.5	9.7#



#48
Methyl methacrylate
Concen: 3.876 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	41	Resp:	11624
Ion	Ratio	Lower	Upper
41	100		
69	69.4	78.5	117.7#
39	41.4	34.9	52.3





#49

1,4-Dioxane

Concen: 94.752 ug/l

RT: 9.450 min Scan# 1280

Delta R.T. -0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion: 88 Resp: 2872

Ion Ratio Lower Upper

88 100

43 39.7 25.1 37.7#

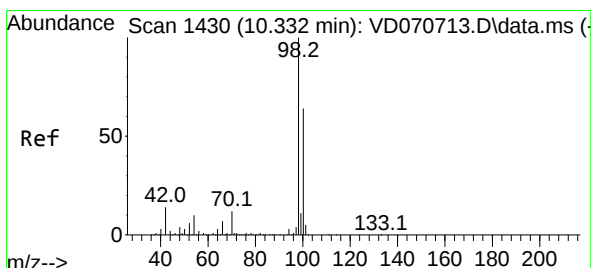
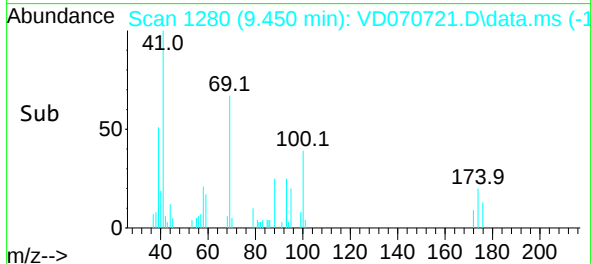
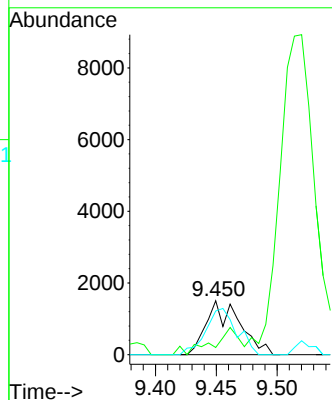
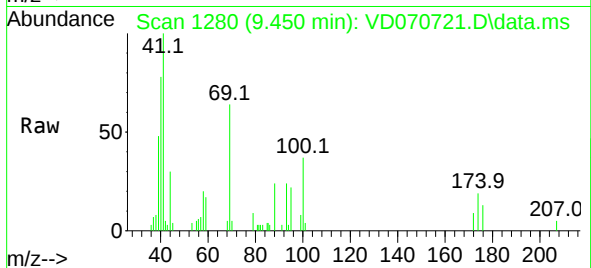
58 79.7 57.4 86.0

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT4-2021



#50

Toluene-d8

Concen: 48.005 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD070721.D

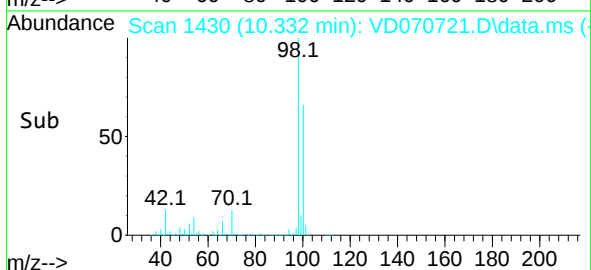
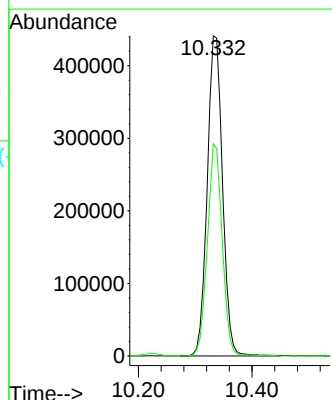
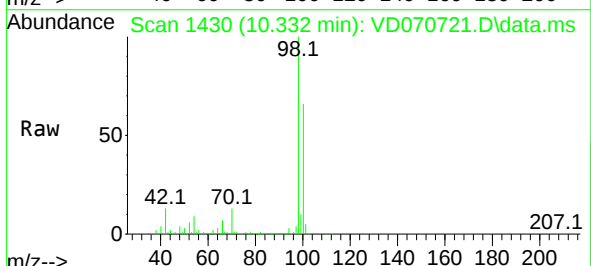
Acq: 15 Oct 2021 17:37

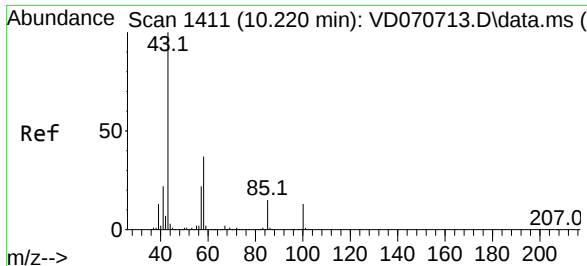
Tgt Ion: 98 Resp: 819377

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4

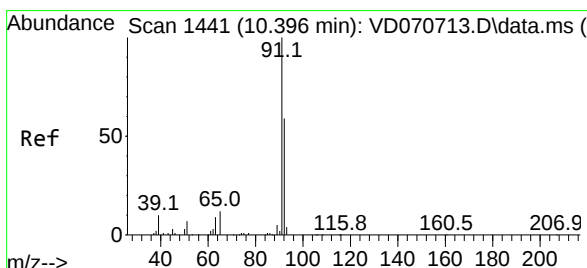
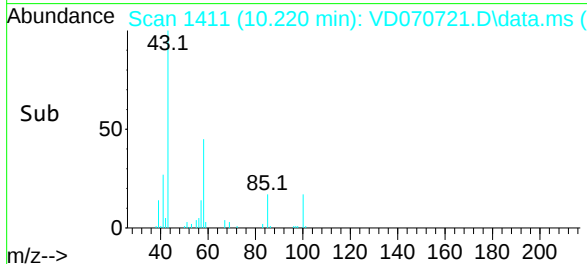
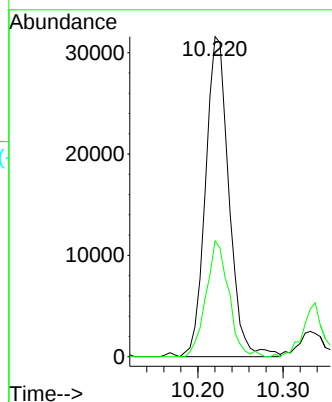
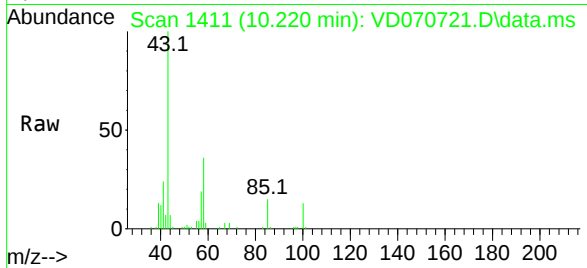




#51
4-Methyl-2-Pentanone
Concen: 18.650 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

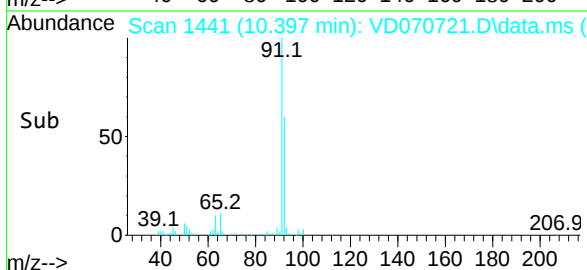
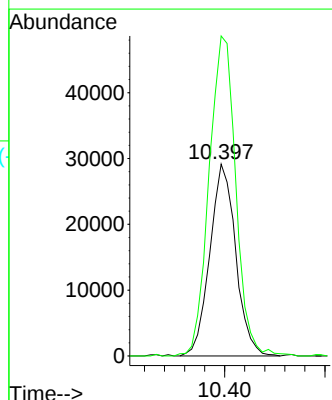
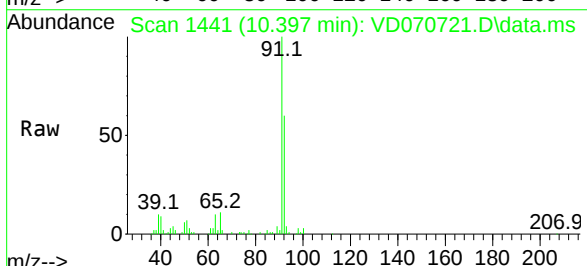
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

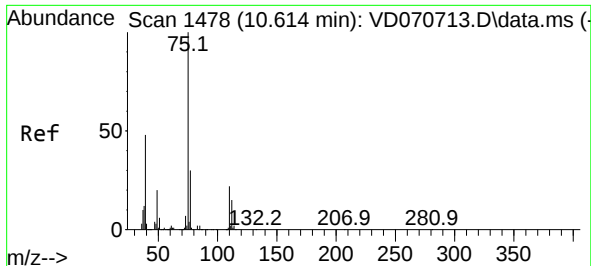
Tgt Ion: 43 Resp: 60183
Ion Ratio Lower Upper
43 100
58 35.1 35.0 52.6



#52
Toluene
Concen: 3.941 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 92 Resp: 52346
Ion Ratio Lower Upper
92 100
91 172.1 136.3 204.5

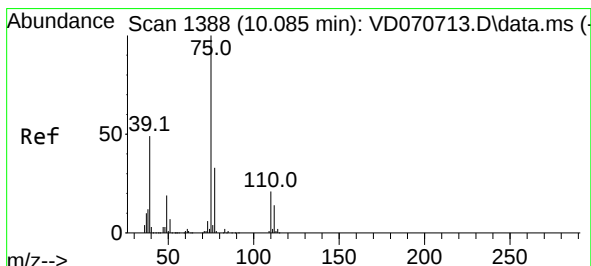
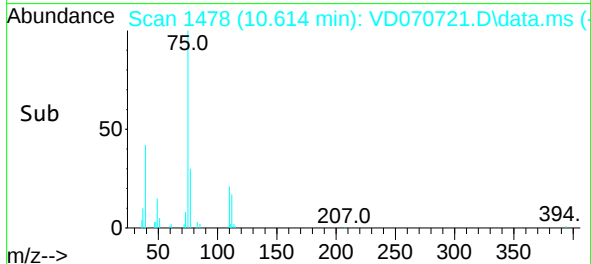
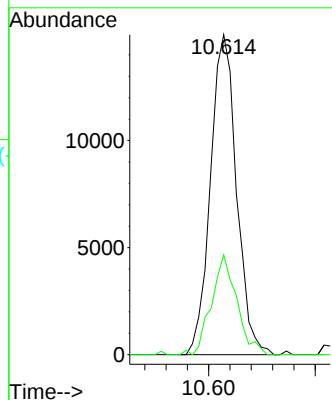
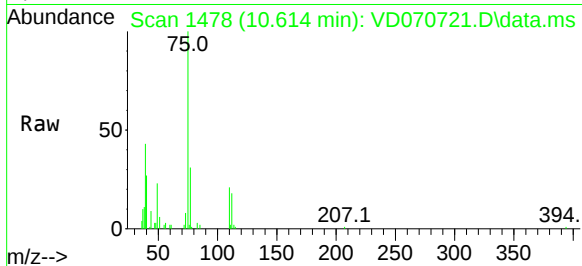




#53
t-1,3-Dichloropropene
Concen: 3.791 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

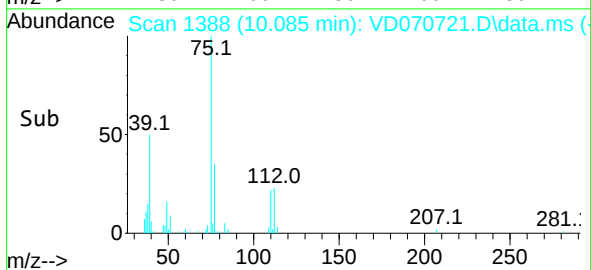
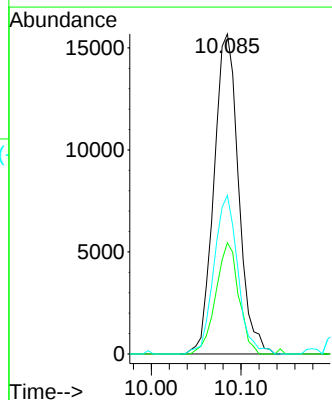
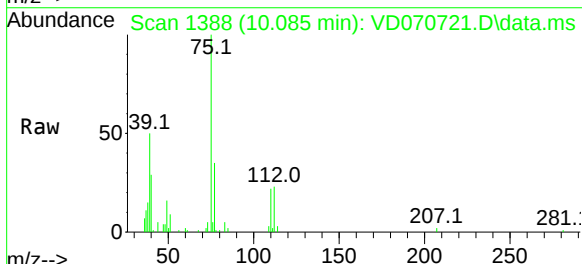
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

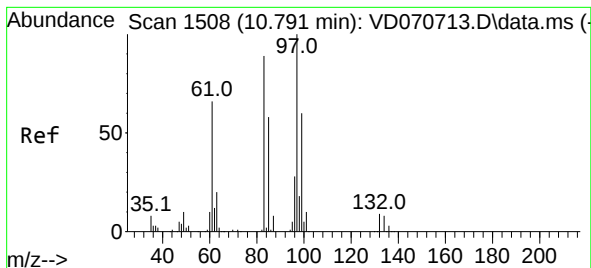
Tgt Ion: 75 Resp: 25361
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 3.729 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 75 Resp: 29858
Ion Ratio Lower Upper
75 100
77 34.8 25.2 37.8
39 49.6 27.8 41.6#

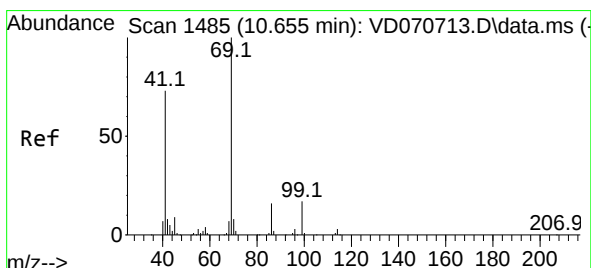
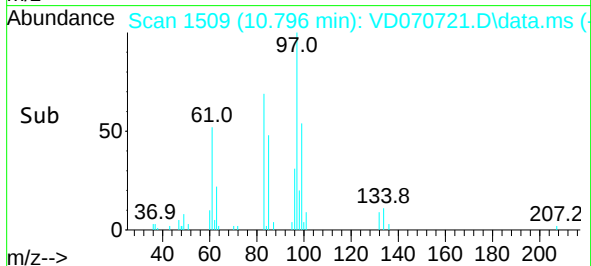
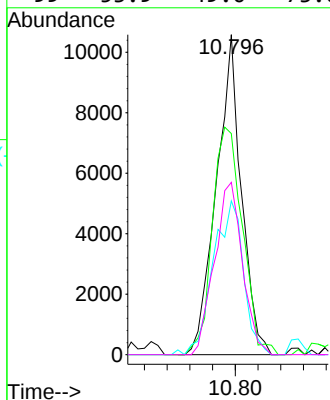
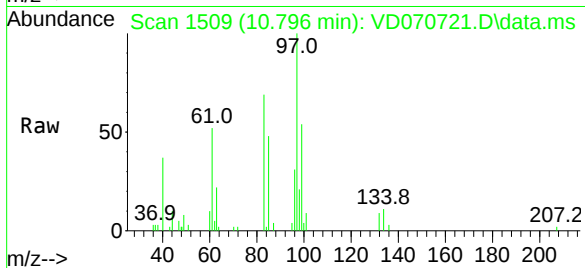




#55
1,1,2-Trichloroethane
Concen: 4.175 ug/l
RT: 10.796 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

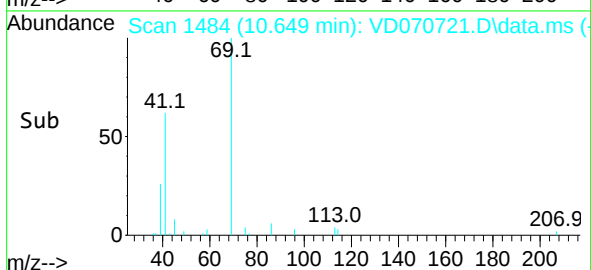
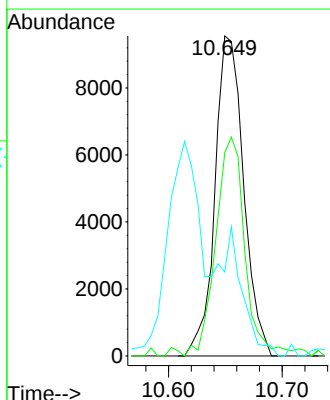
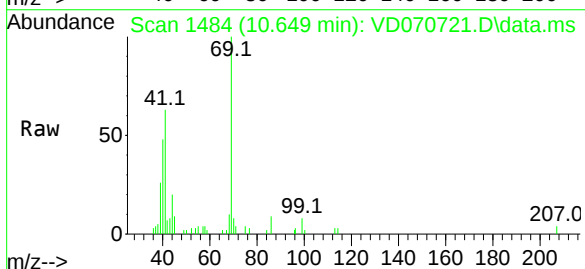
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

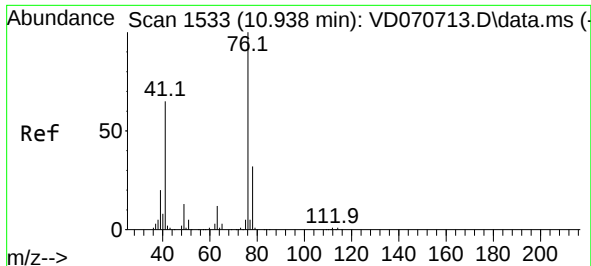
Tgt Ion: 97	Resp: 16188
Ion Ratio	Lower Upper
97 100	
83 69.1	69.1 103.7#
85 48.0	43.0 64.6
99 53.9	49.0 73.6



#56
Ethyl methacrylate
Concen: 3.621 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 69	Resp: 16756
Ion Ratio	Lower Upper
69 100	
41 69.9	44.7 67.1#
39 31.7	19.5 29.3#

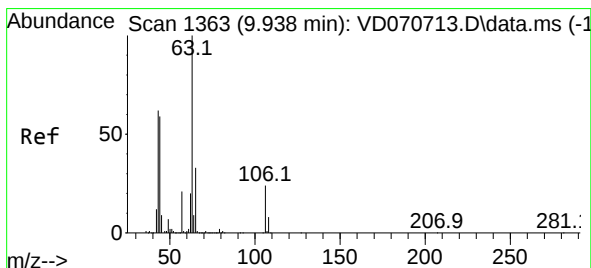
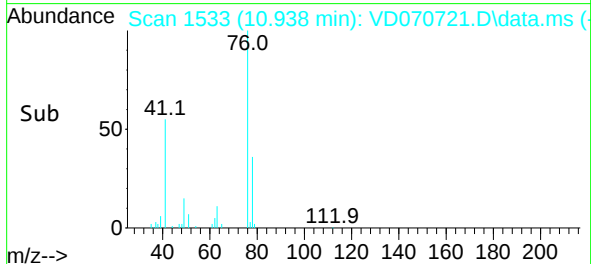
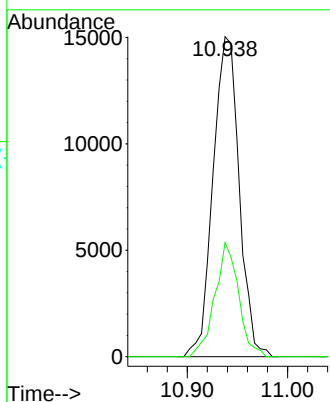
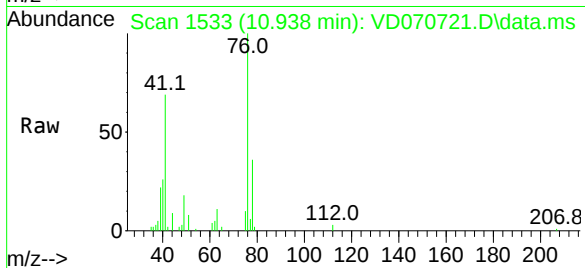




#57
1,3-Dichloropropane
Concen: 3.955 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

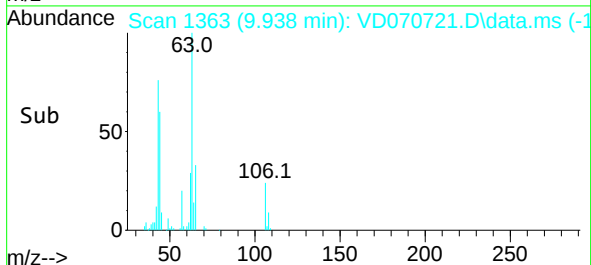
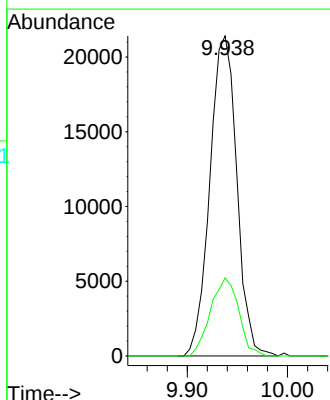
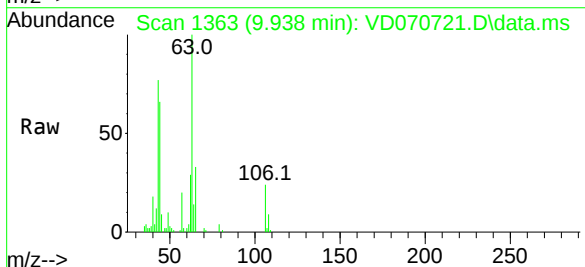
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

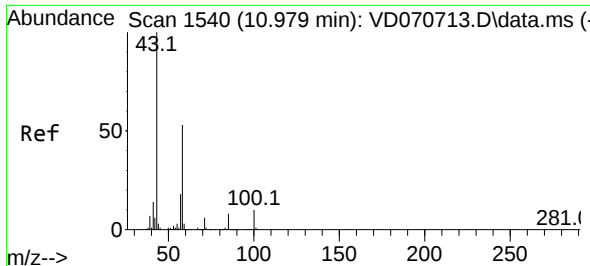
Tgt Ion: 76 Resp: 27203
Ion Ratio Lower Upper
76 100
78 32.4 25.3 37.9



#58
2-Chloroethyl Vinyl ether
Concen: 19.564 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 63 Resp: 39949
Ion Ratio Lower Upper
63 100
106 25.5 22.3 33.5

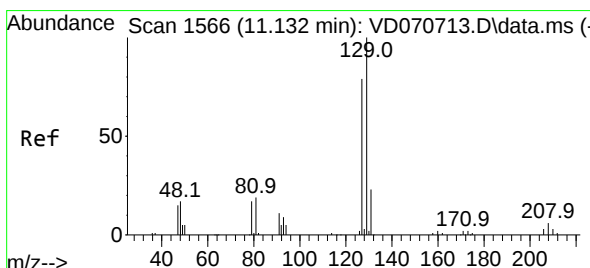
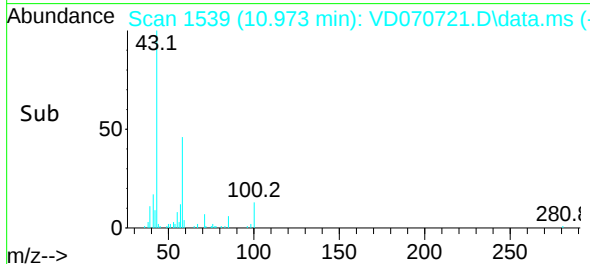
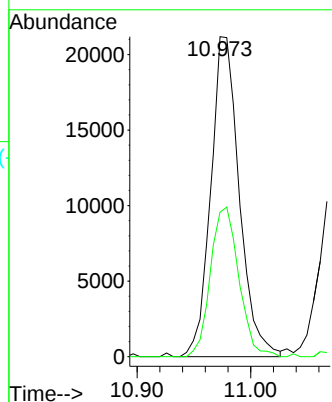
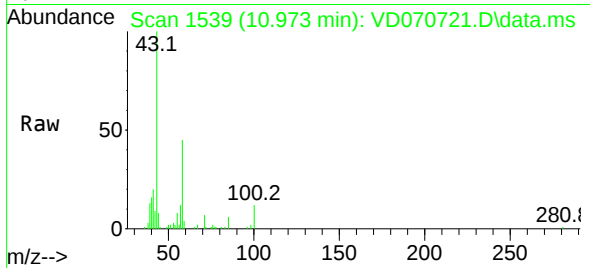




#59
2-Hexanone
Concen: 16.276 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

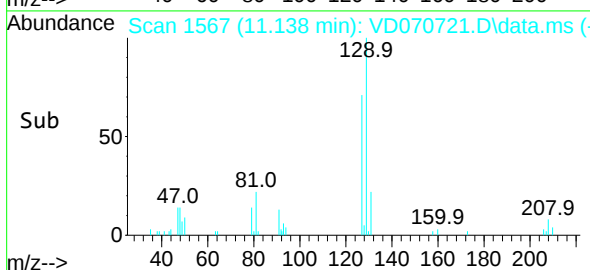
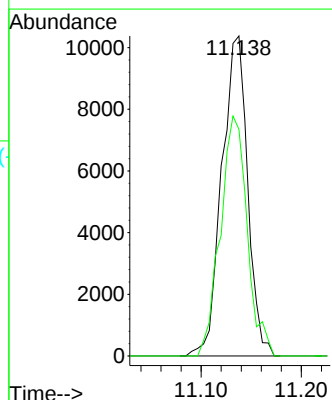
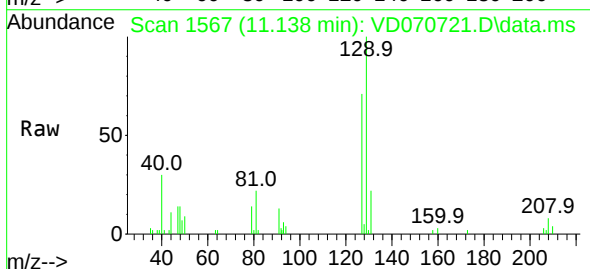
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

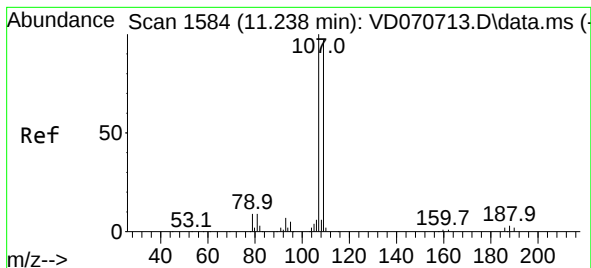
Tgt Ion: 43 Resp: 36968
Ion Ratio Lower Upper
43 100
58 46.4 30.4 91.3



#60
Dibromochloromethane
Concen: 4.156 ug/l
RT: 11.138 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 129 Resp: 18520
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8

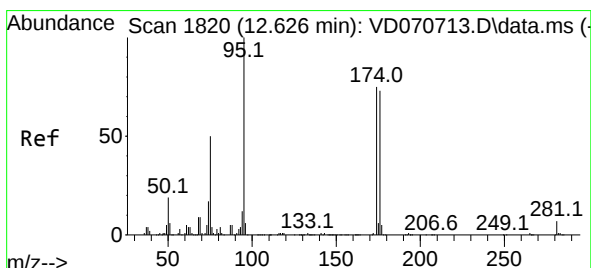
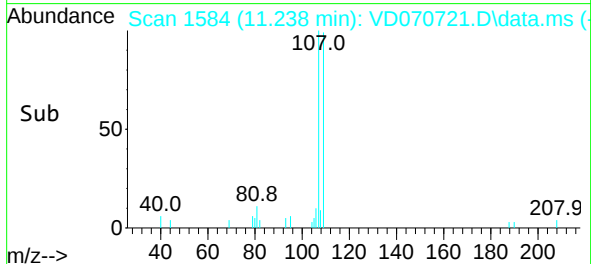
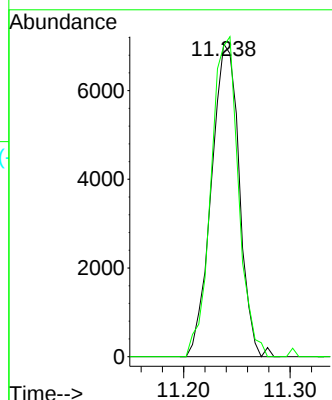
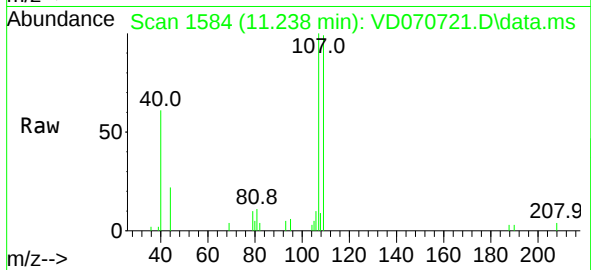




#61
1,2-Dibromoethane
Concen: 3.609 ug/l
RT: 11.238 min Scan# 1584
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

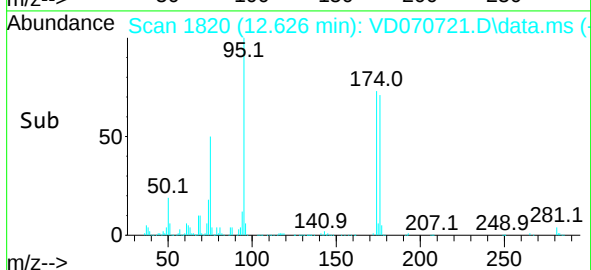
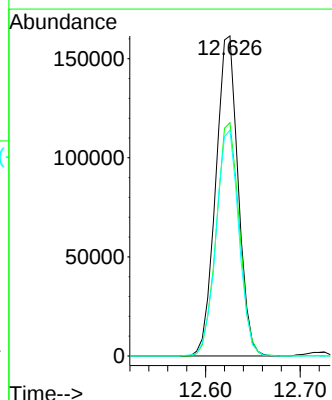
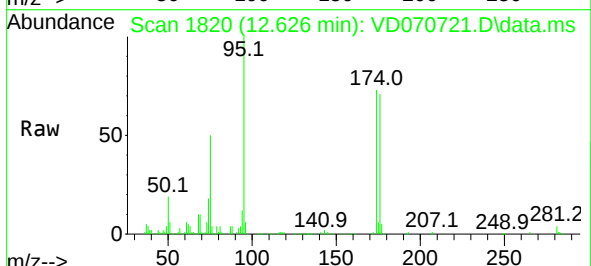
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

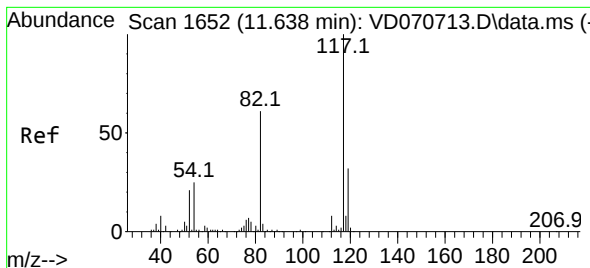
Tgt Ion:107 Resp: 12802
Ion Ratio Lower Upper
107 100
109 100.6 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 45.161 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 95 Resp: 265422
Ion Ratio Lower Upper
95 100
174 74.7 0.0 138.0
176 72.2 0.0 135.6

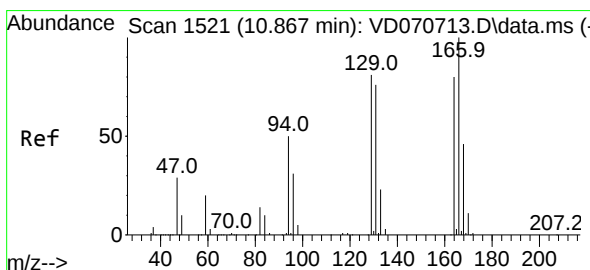
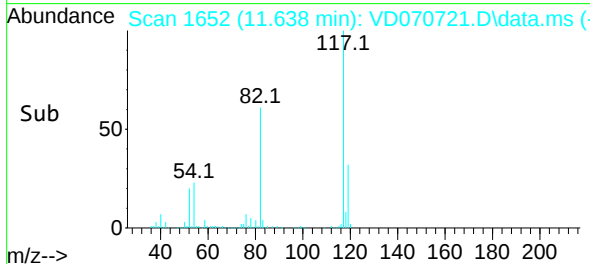
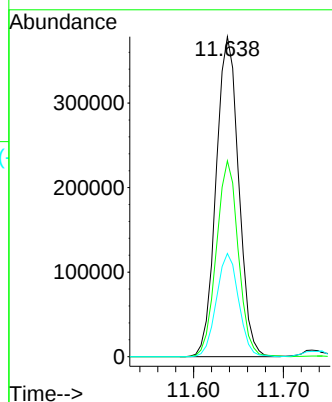
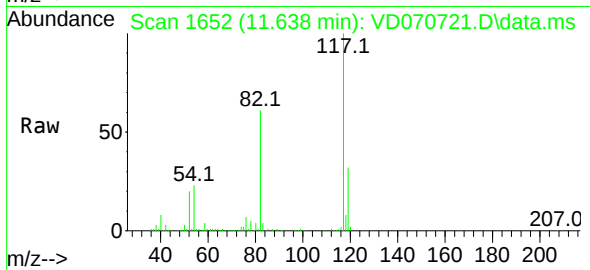




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

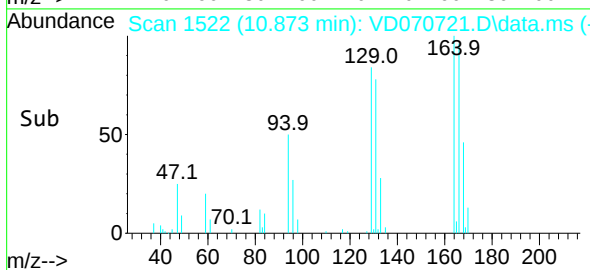
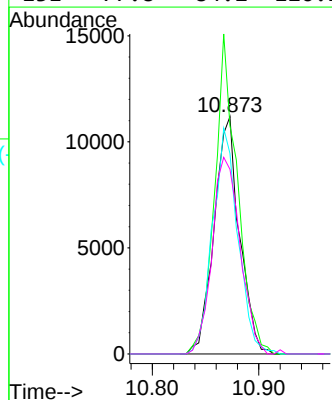
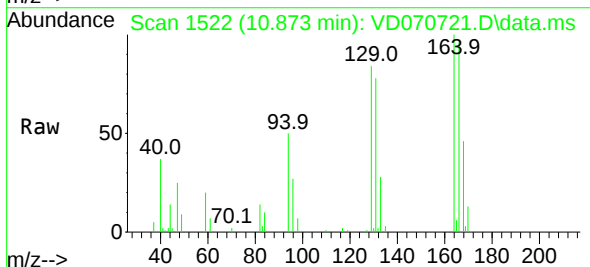
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

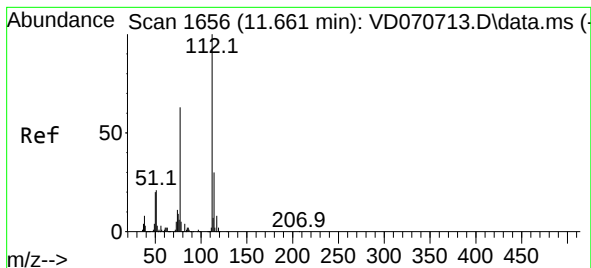
Tgt Ion:	117	Resp:	661733
Ion Ratio	Lower	Upper	
117	100		
82	61.2	45.4	68.2
119	32.3	24.7	37.1



#64
Tetrachloroethene
Concen: 4.157 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	164	Resp:	18486
Ion Ratio	Lower	Upper	
164	100		
166	96.1	105.8	158.6#
129	84.4	83.8	125.6
131	77.8	84.2	126.2#

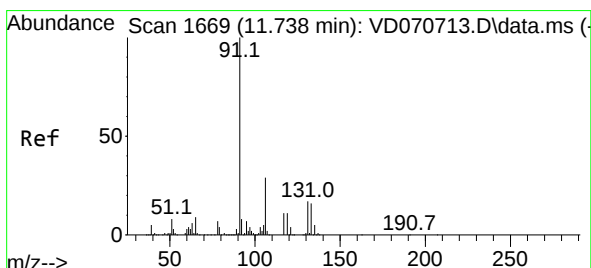
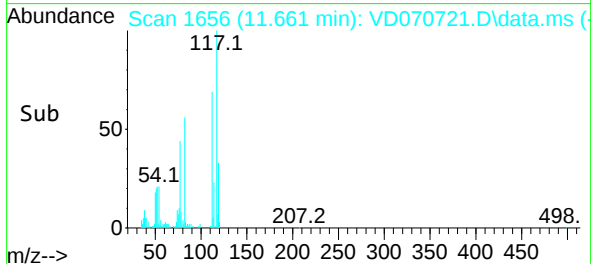
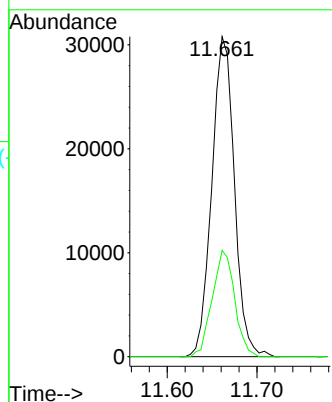
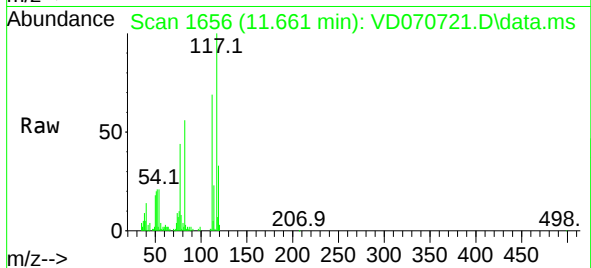




#65
Chlorobenzene
Concen: 3.965 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

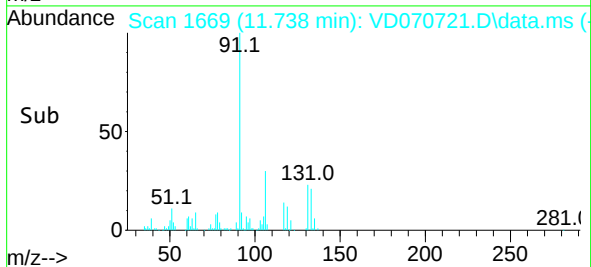
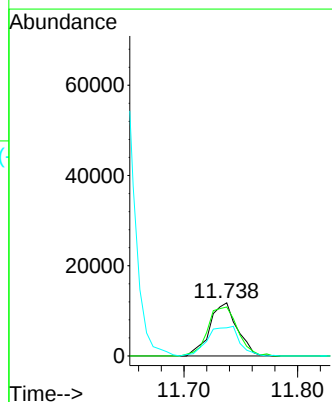
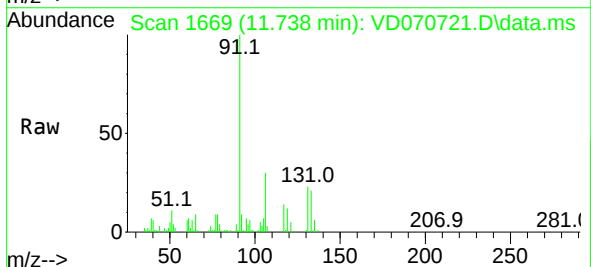
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

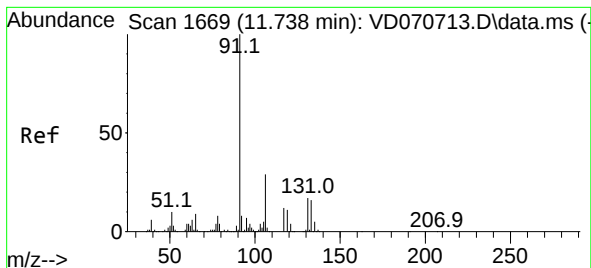
Tgt Ion:112 Resp: 53804
Ion Ratio Lower Upper
112 100
114 33.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 3.948 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:131 Resp: 19825
Ion Ratio Lower Upper
131 100
133 100.5 46.8 140.3
119 64.2 32.6 97.7

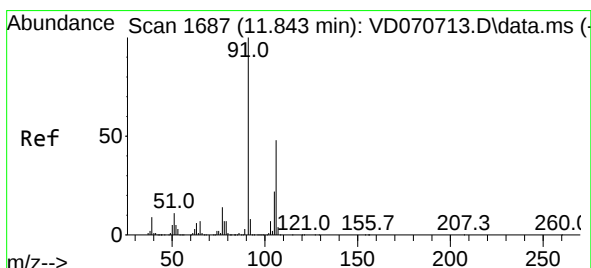
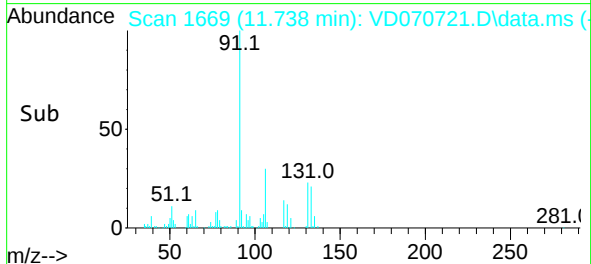
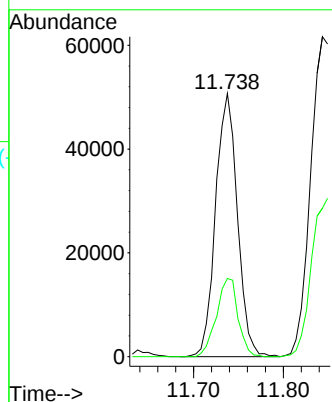
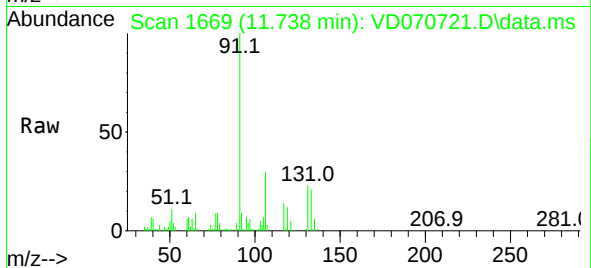




#67
Ethyl Benzene
Concen: 3.446 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

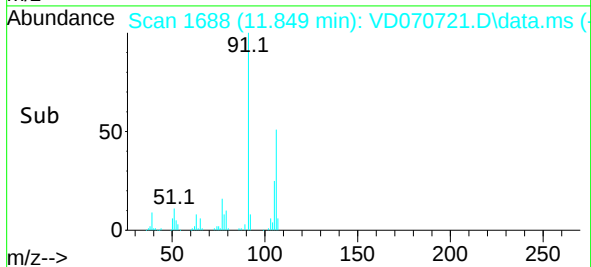
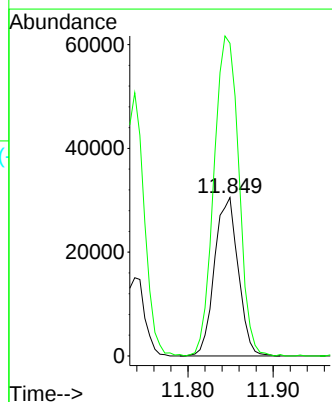
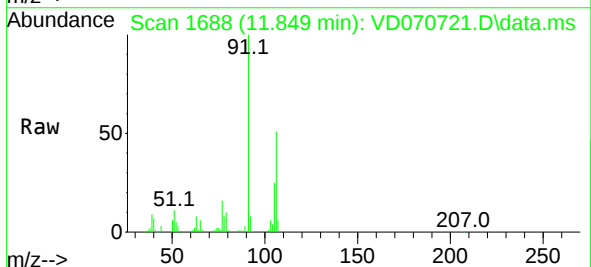
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

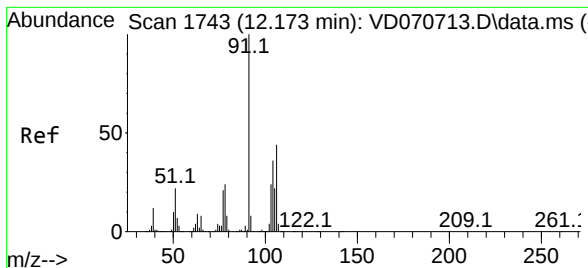
Tgt Ion: 91 Resp: 85518
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.2



#68
m/p-Xylenes
Concen: 6.285 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 106 Resp: 59085
Ion Ratio Lower Upper
106 100
91 212.2 162.7 244.1

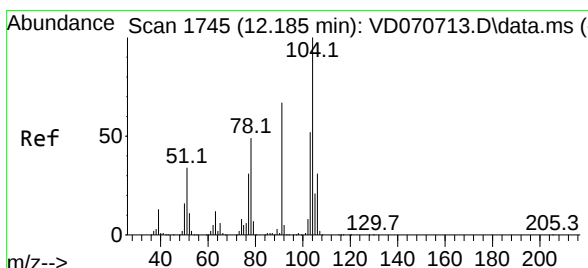
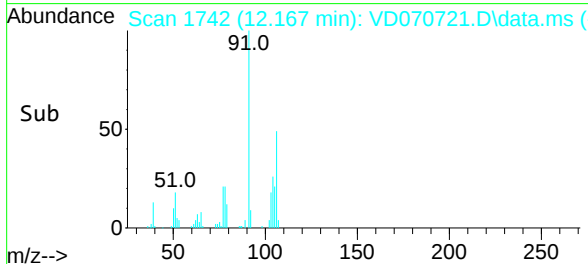
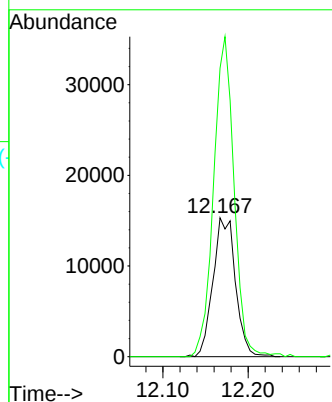
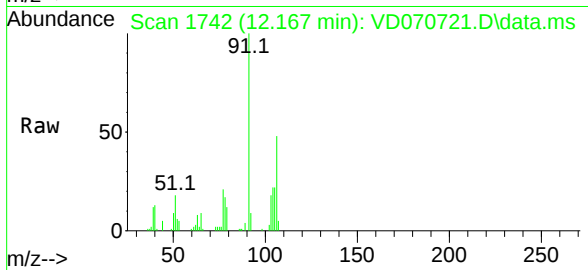




#69
o-Xylene
Concen: 3.296 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

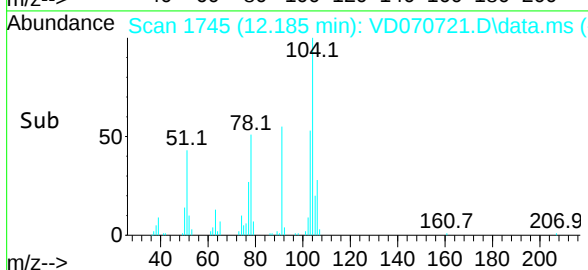
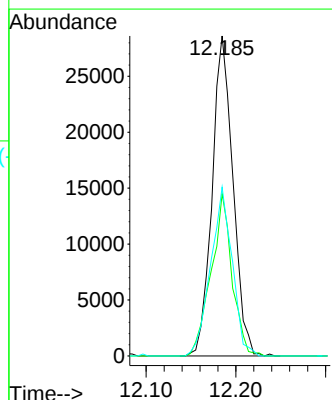
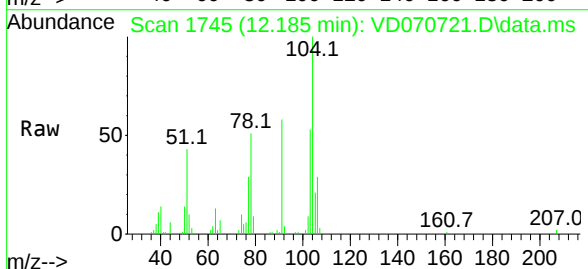
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

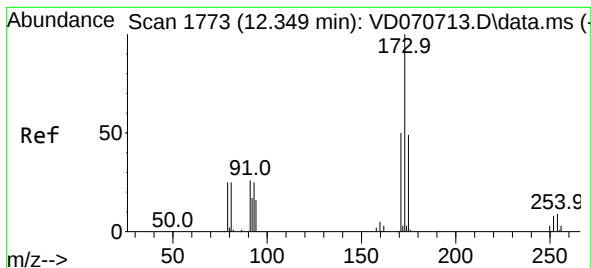
Tgt Ion:106 Resp: 28104
Ion Ratio Lower Upper
106 100
91 209.5 107.8 323.6



#70
Styrene
Concen: 3.115 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:104 Resp: 46172
Ion Ratio Lower Upper
104 100
78 50.8 39.8 59.6
103 54.7 43.4 65.2





#71

Bromoform

Concen: 3.916 ug/l

RT: 12.349 min Scan# 1773

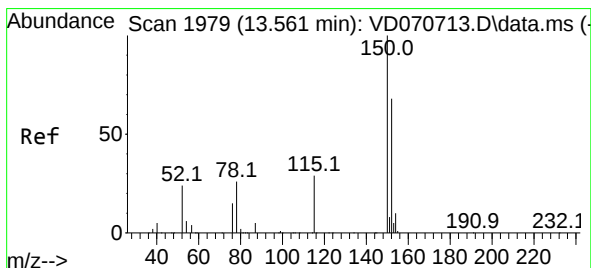
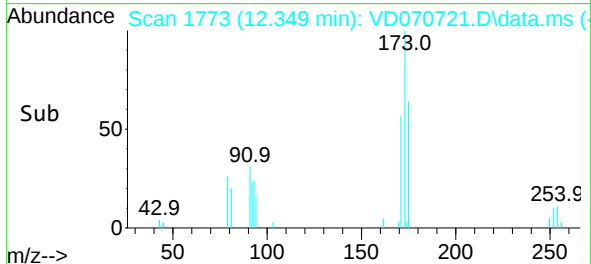
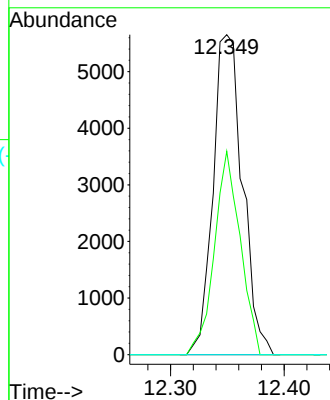
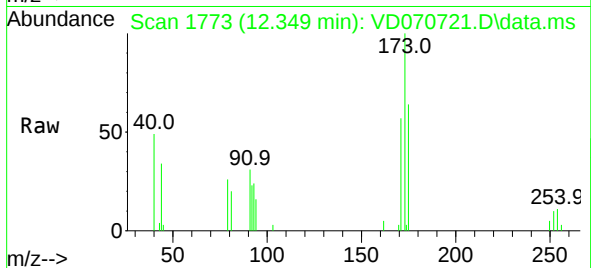
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:173	Resp:	10211
Ion Ratio	Lower	Upper
173	100	
175	55.7	24.4 73.4
254	0.0	0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

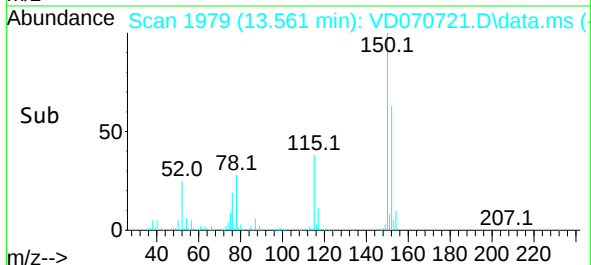
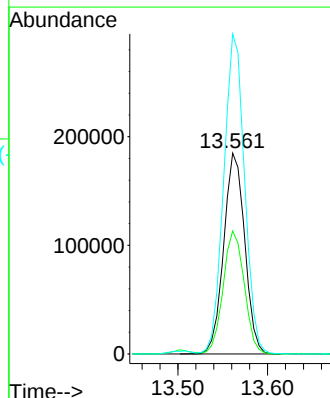
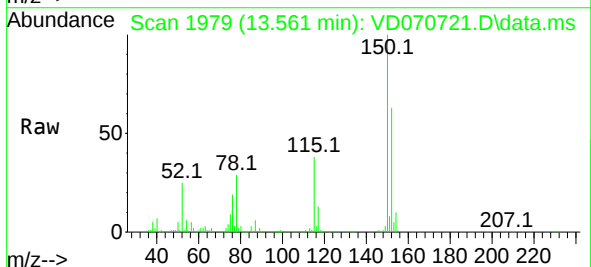
RT: 13.561 min Scan# 1979

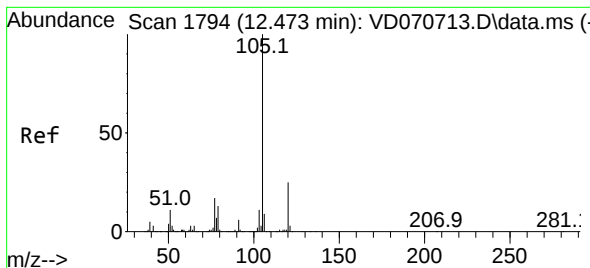
Delta R.T. 0.000 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:152	Resp:	300524
Ion Ratio	Lower	Upper
152	100	
115	61.5	31.9 95.7
150	157.9	0.0 350.0





#73

Isopropylbenzene

Concen: 3.241 ug/l

RT: 12.467 min Scan# 1793

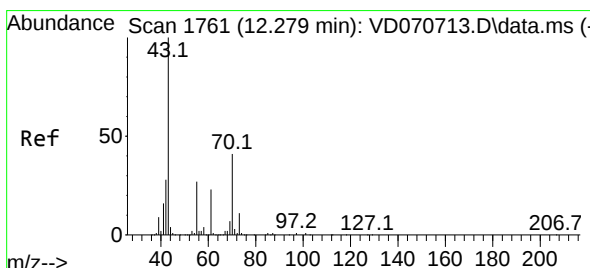
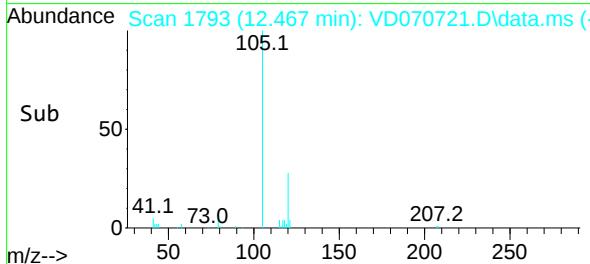
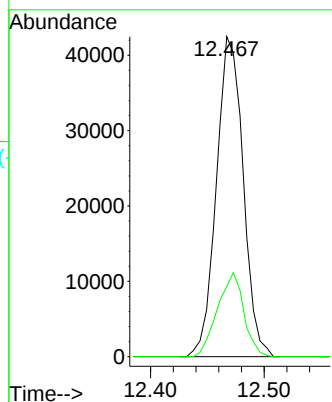
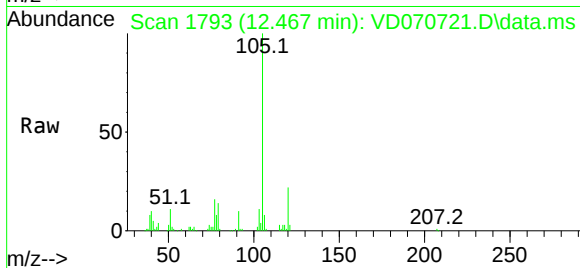
Delta R.T. -0.006 min

Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion:105 Resp: 69411

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3



#74

N-ethyl acetate

Concen: 3.379 ug/l

RT: 12.279 min Scan# 1761

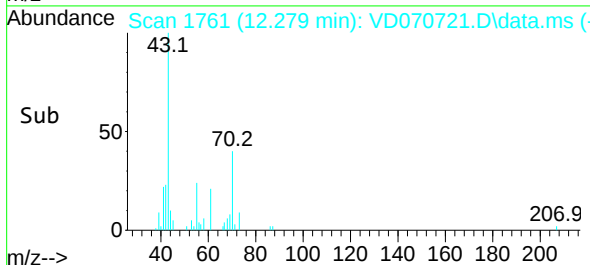
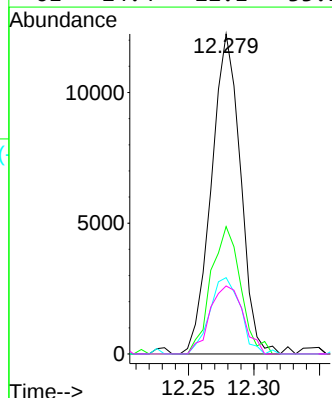
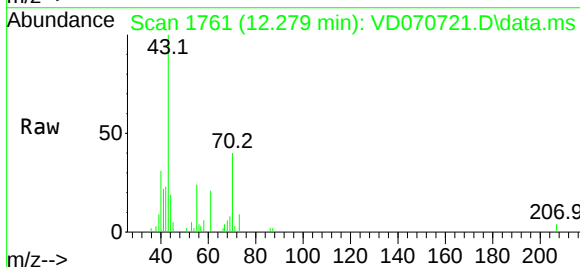
Delta R.T. 0.000 min

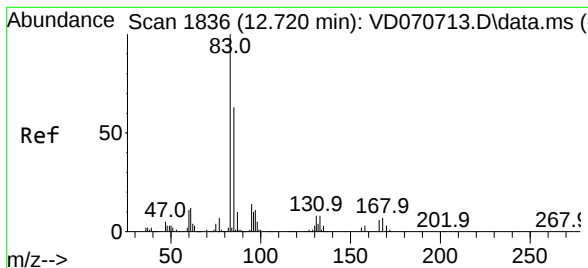
Lab File: VD070721.D

Acq: 15 Oct 2021 17:37

Tgt Ion: 43 Resp: 18837

Ion	Ratio	Lower	Upper
43	100		
70	40.6	40.0	60.0
55	25.3	23.8	35.6
61	24.4	22.1	33.1

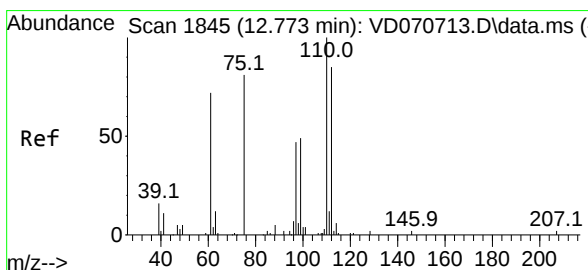
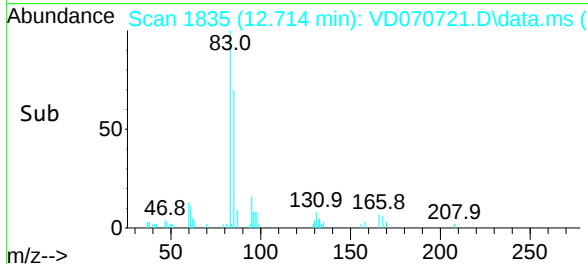
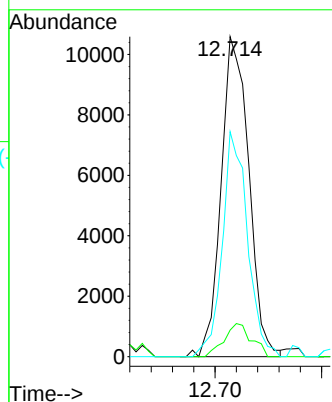
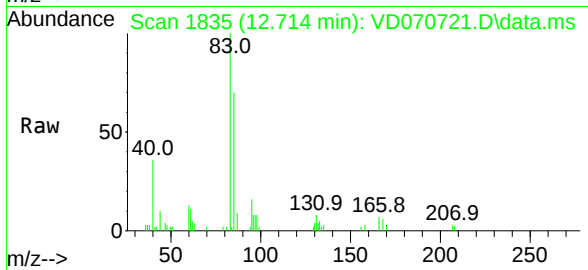




#75
1,1,2,2-Tetrachloroethane
Concen: 4.506 ug/l
RT: 12.714 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

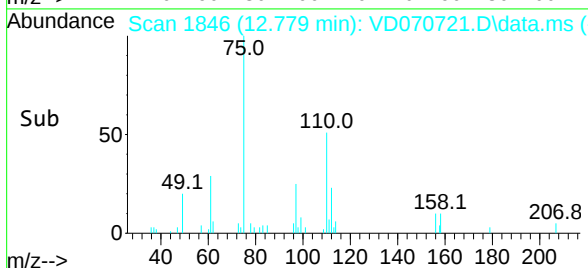
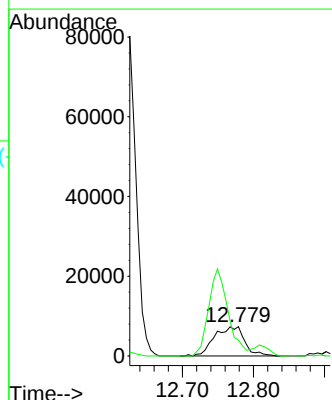
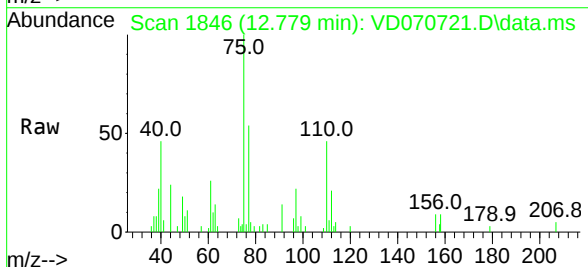
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

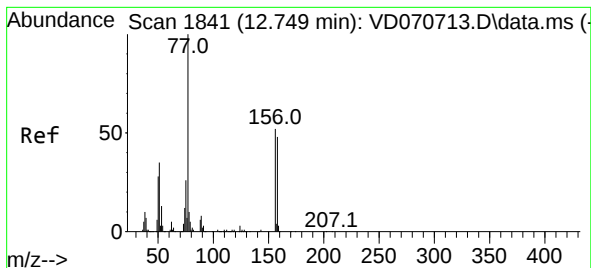
Tgt Ion: 83 Resp: 19085
Ion Ratio Lower Upper
83 100
131 10.2 4.9 14.7
85 64.0 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 8.328 ug/l
RT: 12.779 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 75 Resp: 21624
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

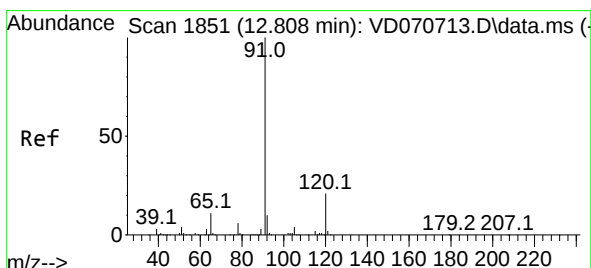
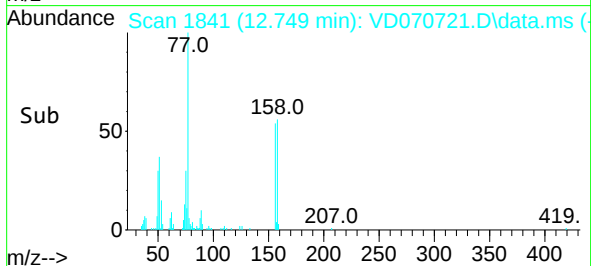
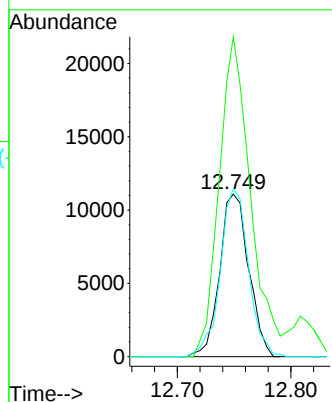
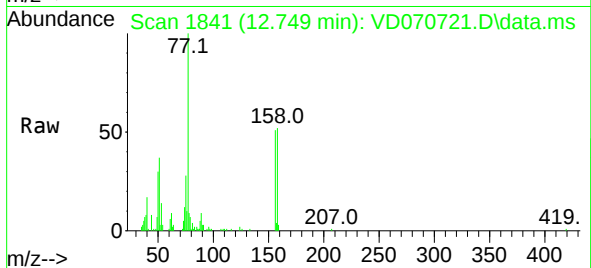




#77
Bromobenzene
Concen: 4.061 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

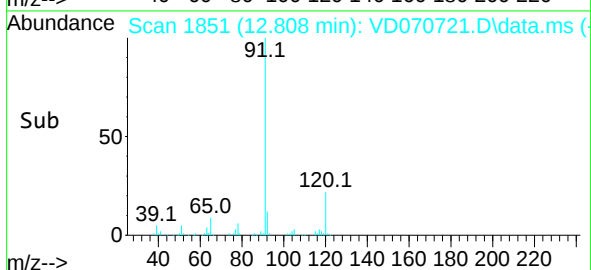
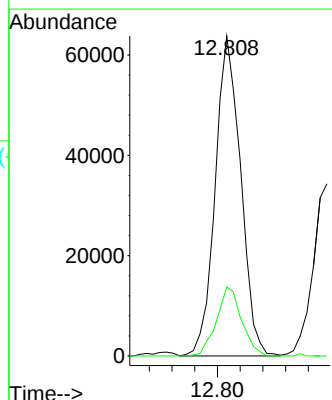
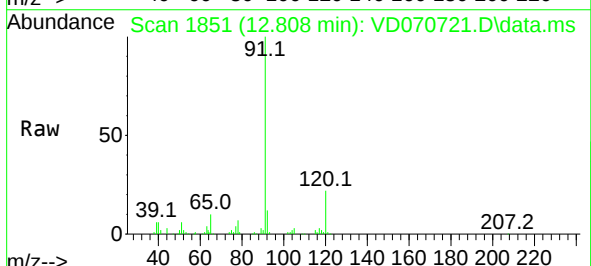
Instrument :
MSVOA_D
ClientSampleId :
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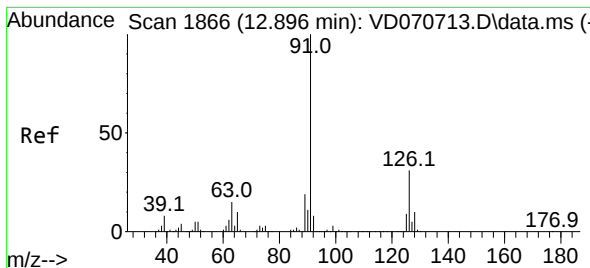
Tgt Ion:156 Resp: 19686
Ion Ratio Lower Upper
156 100
77 211.6 105.7 317.1
158 100.4 48.9 146.6



#78
n-propylbenzene
Concen: 3.566 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 91 Resp: 99248
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.6

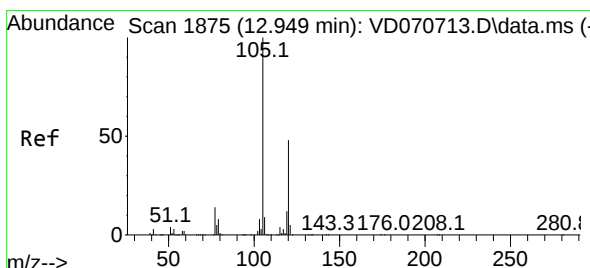
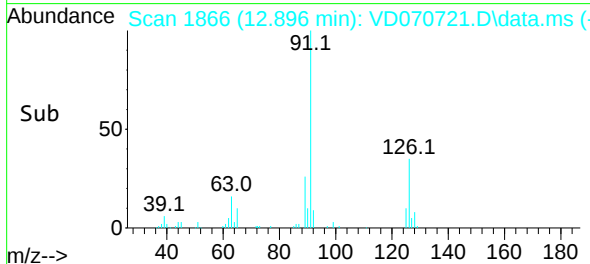
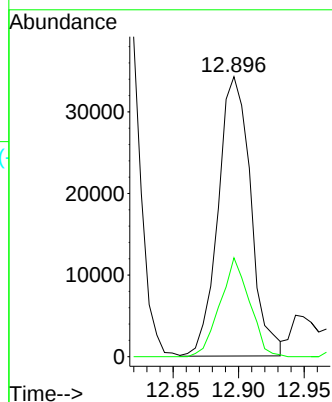
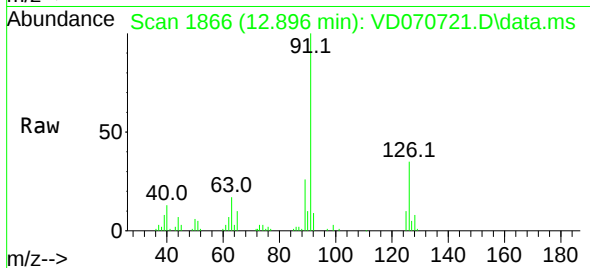




#79
2-Chlorotoluene
Concen: 3.688 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

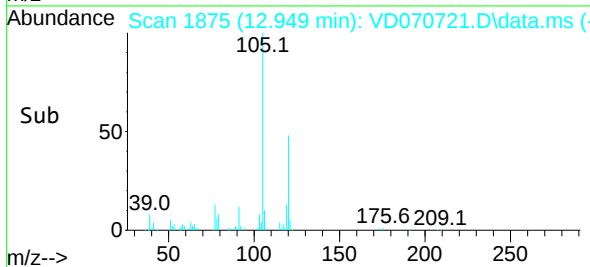
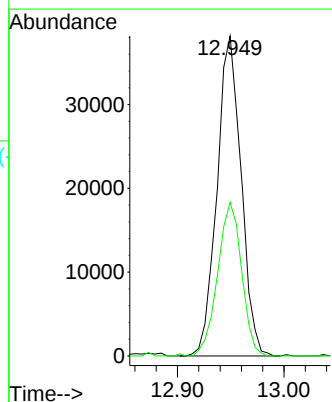
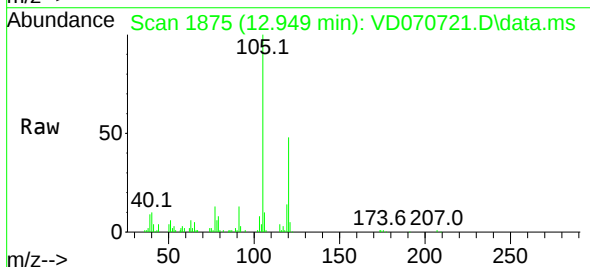
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

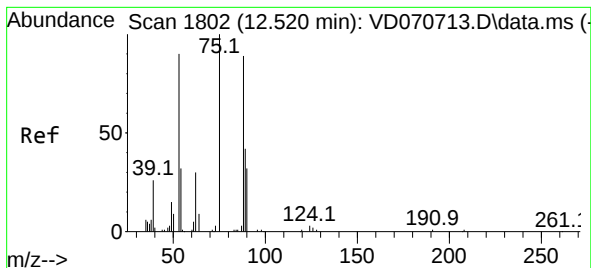
Tgt Ion: 91 Resp: 59316
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 3.312 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 105 Resp: 59947
Ion Ratio Lower Upper
105 100
120 47.7 24.4 73.2

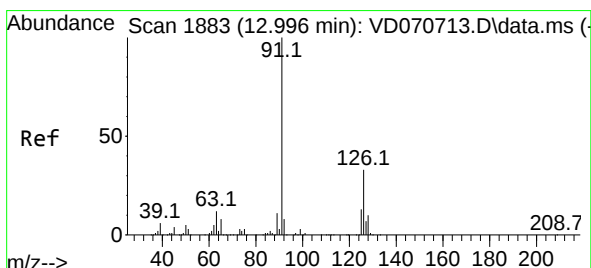
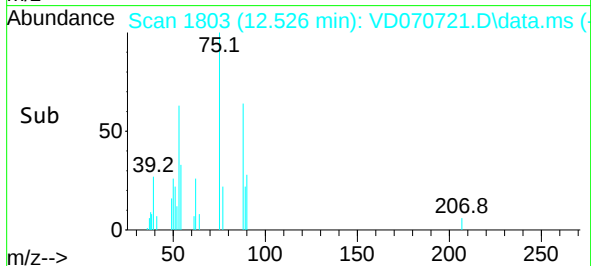
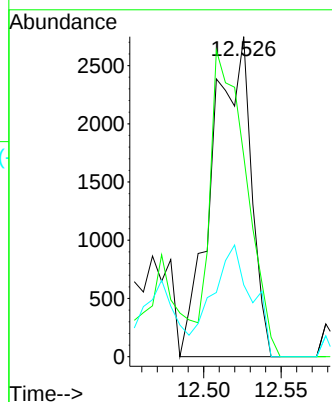
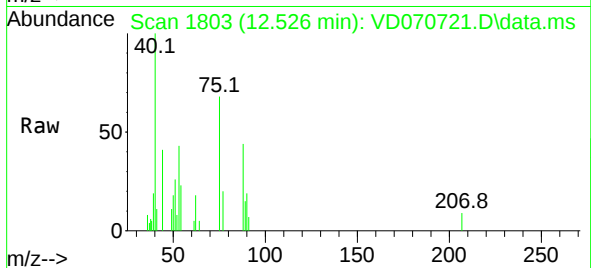




#81
trans-1,4-Dichloro-2-butene
Concen: 4.030 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

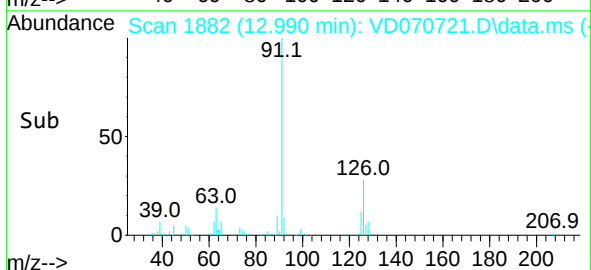
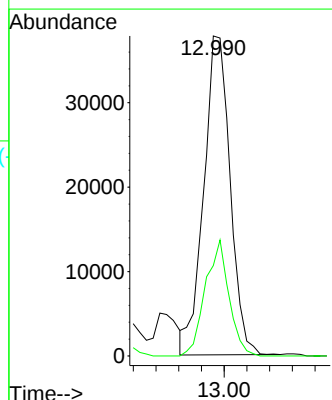
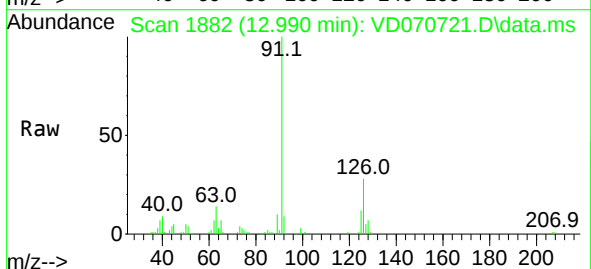
Instrument :
MSVOA_D
ClientSampleId :
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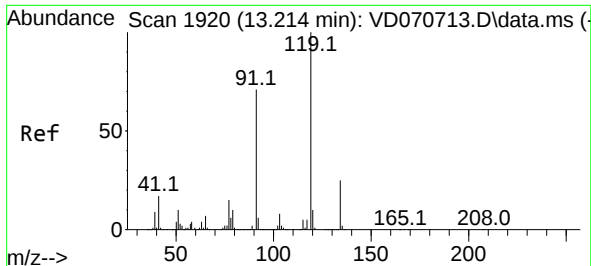
Tgt Ion: 75 Resp: 4777
Ion Ratio Lower Upper
75 100
53 87.4 64.5 96.7
89 35.2 35.3 52.9#



#82
4-Chlorotoluene
Concen: 3.578 ug/l
RT: 12.990 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 91 Resp: 60884
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.6

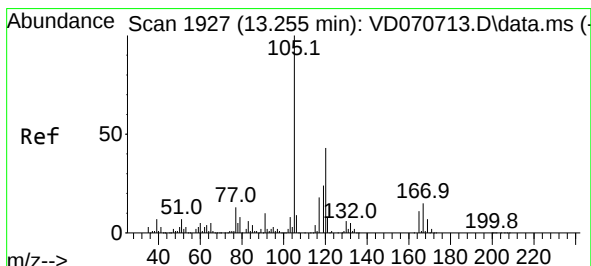
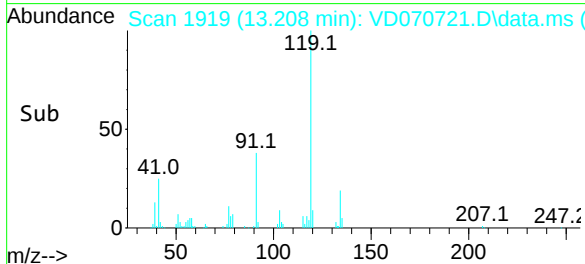
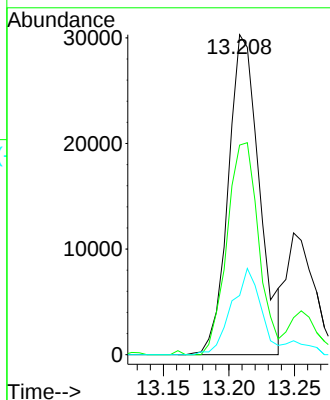
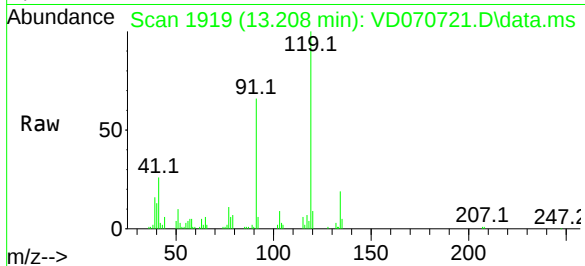




#83
tert-Butylbenzene
Concen: 3.359 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

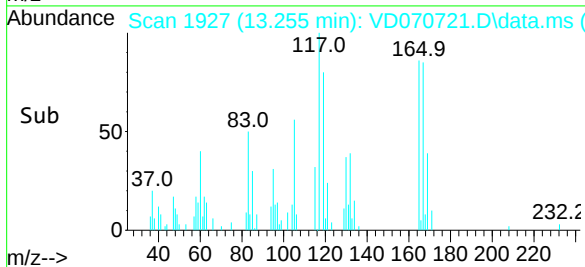
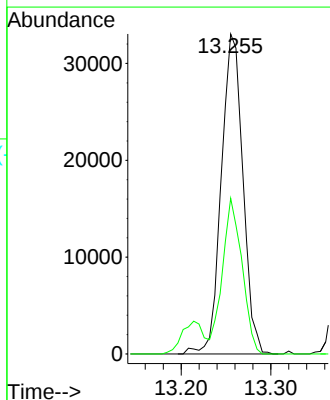
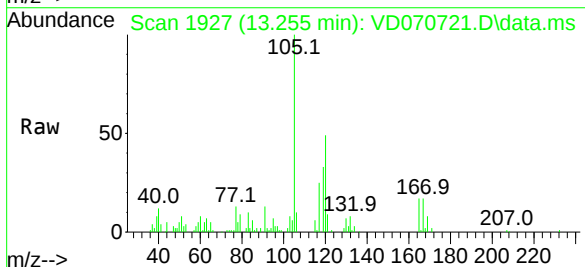
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

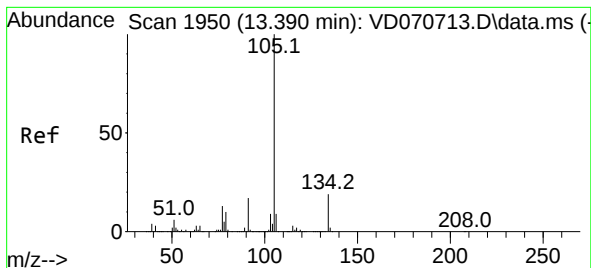
Tgt Ion:	119	Resp:	50256
Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.1	99.3
134	25.0	13.2	39.5



#84
1,2,4-Trimethylbenzene
Concen: 3.069 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	105	Resp:	55234
Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.8

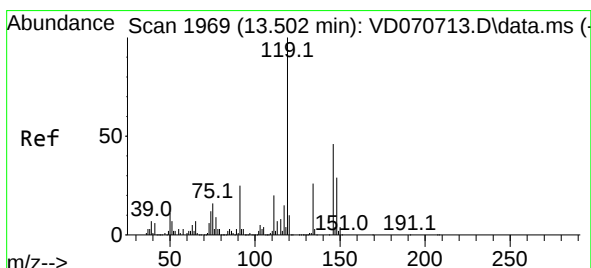
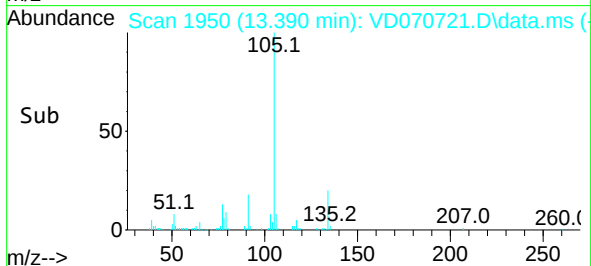
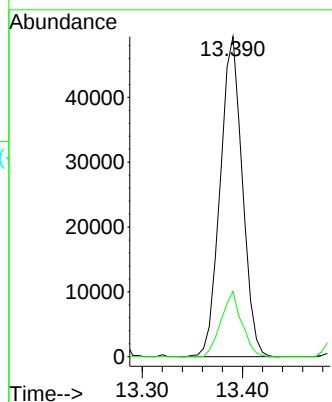
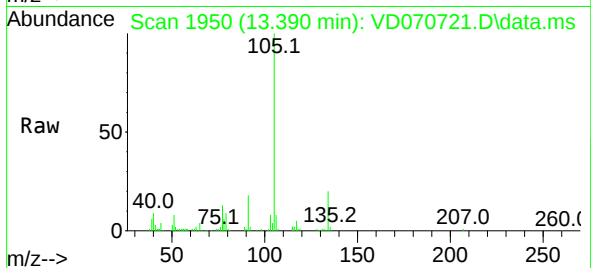




#85
 sec-Butylbenzene
 Concen: 3.211 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. 0.000 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

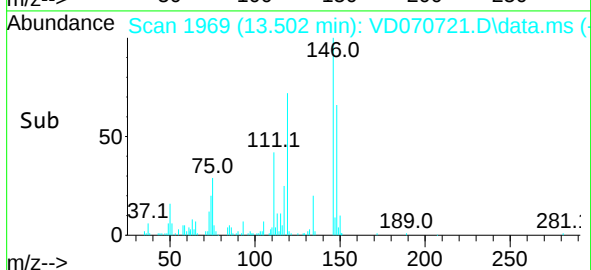
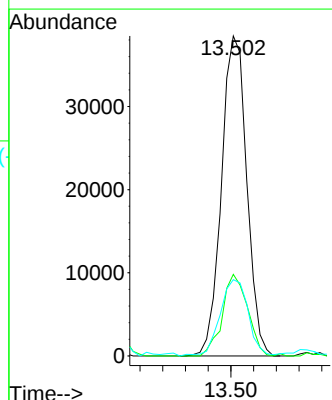
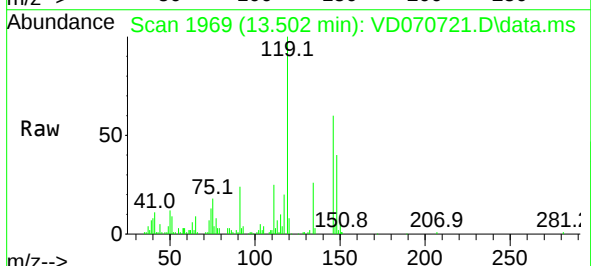
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

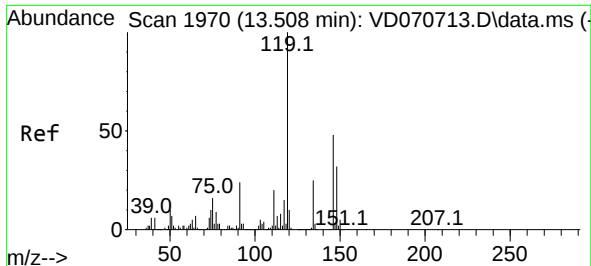
Tgt Ion:105 Resp: 75490
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 3.147 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD070721.D
 Acq: 15 Oct 2021 17:37

Tgt Ion:119 Resp: 59476
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 26.4 11.9 35.5



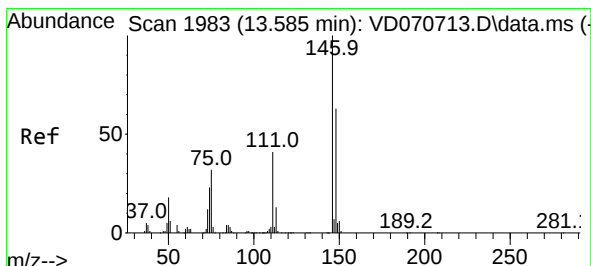
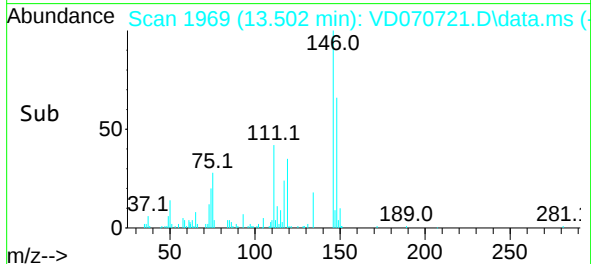
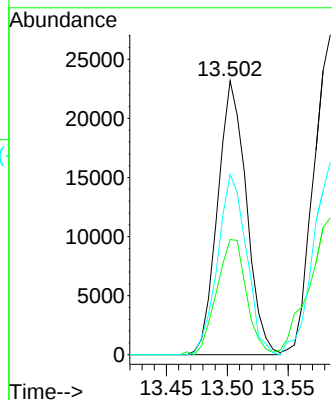
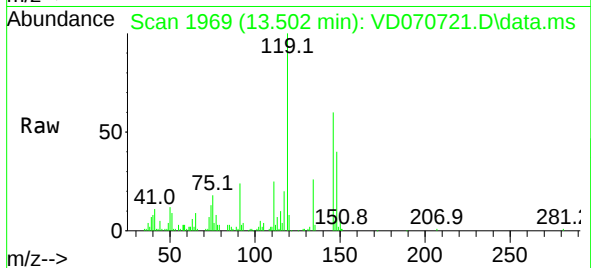


#87

1,3-Dichlorobenzene
Concen: 3.740 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

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

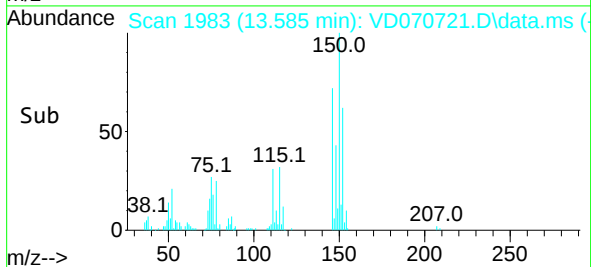
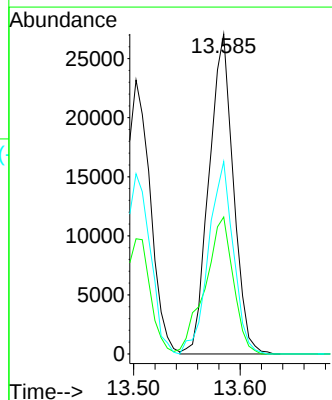
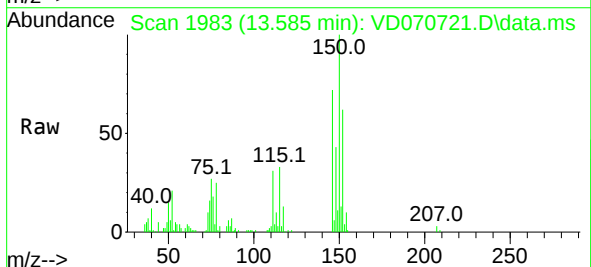
Tgt Ion:146 Resp: 38077
Ion Ratio Lower Upper
146 100
111 43.5 21.4 64.2
148 65.8 31.8 95.3

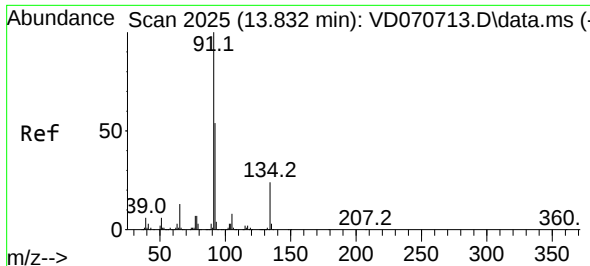


#88

1,4-Dichlorobenzene
Concen: 4.277 ug/l
RT: 13.585 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:146 Resp: 42994
Ion Ratio Lower Upper
146 100
111 49.7 21.1 63.4
148 61.2 31.6 94.8

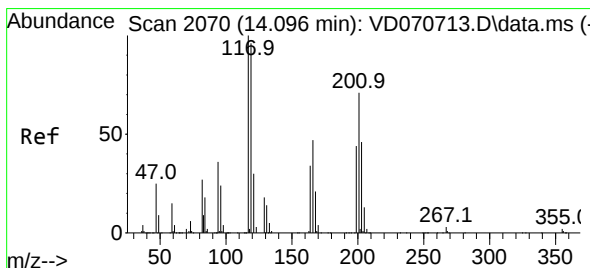
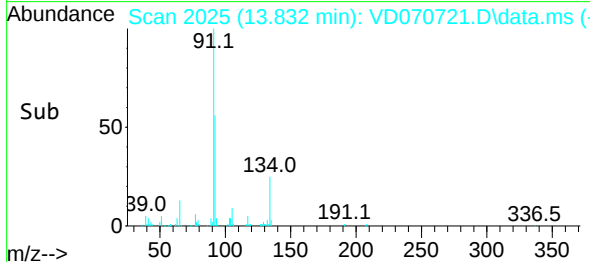
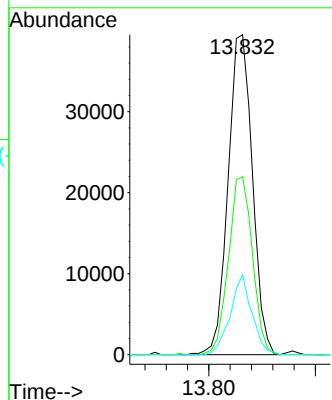
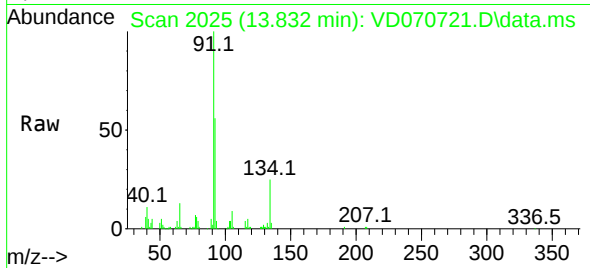




#89
n-Butylbenzene
Concen: 3.277 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

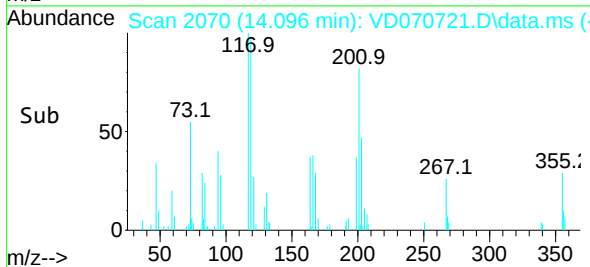
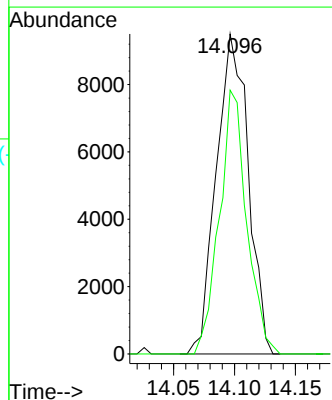
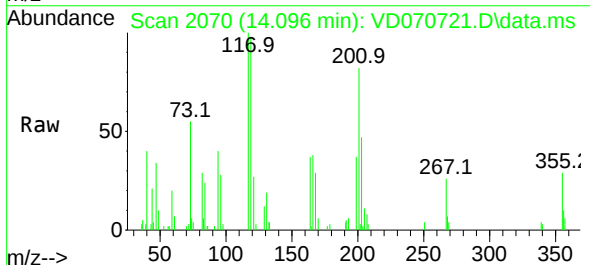
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

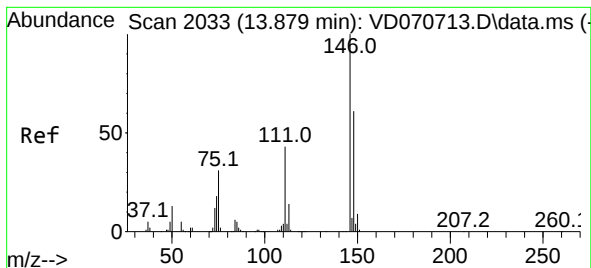
Tgt Ion:	91	Resp:	62517
Ion	Ratio	Lower	Upper
91	100		
92	54.8	26.8	80.4
134	22.2	12.2	36.4



#90
Hexachloroethane
Concen: 4.241 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	117	Resp:	17299
Ion	Ratio	Lower	Upper
117	100		
201	70.9	31.9	95.9

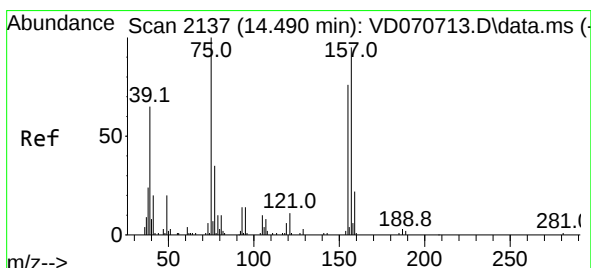
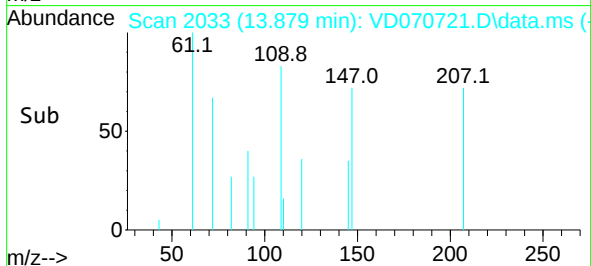
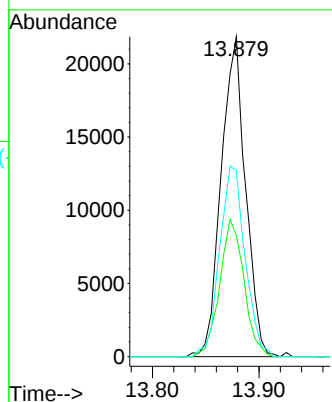
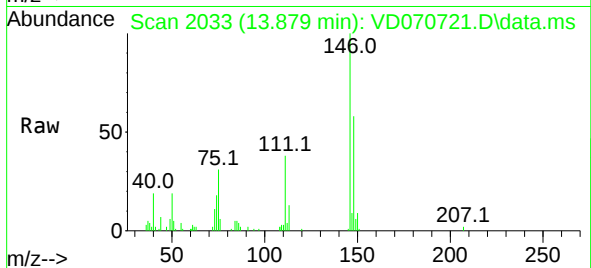




#91
1,2-Dichlorobenzene
Concen: 3.991 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

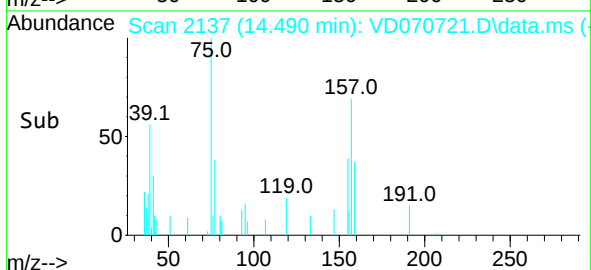
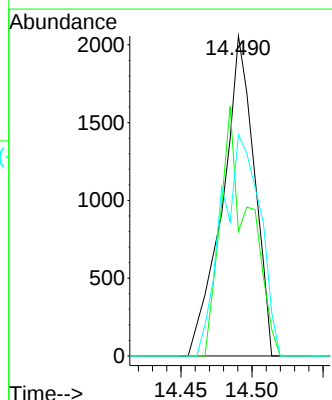
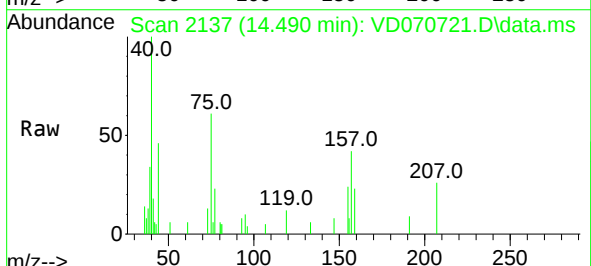
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

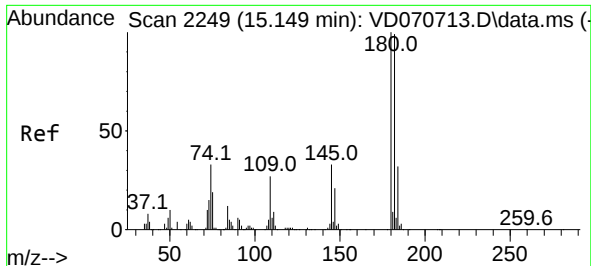
Tgt Ion:146 Resp: 34721
Ion Ratio Lower Upper
146 100
111 42.7 22.8 68.4
148 62.2 32.4 97.0



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.731 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion: 75 Resp: 3196
Ion Ratio Lower Upper
75 100
155 70.9 38.1 114.5
157 83.7 47.6 142.9

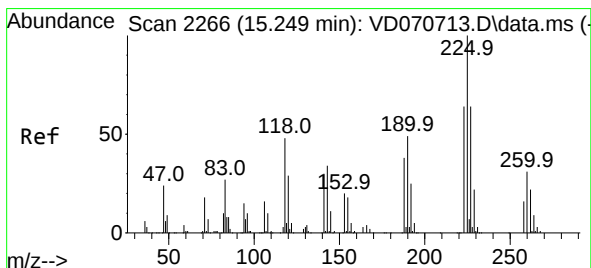
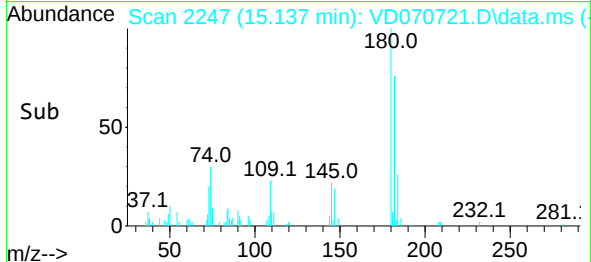
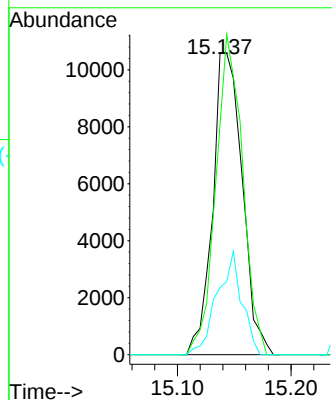
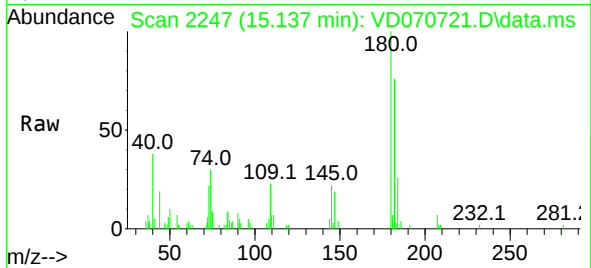




#93
1,2,4-Trichlorobenzene
Concen: 3.843 ug/l
RT: 15.137 min Scan# 2247
Delta R.T. -0.012 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

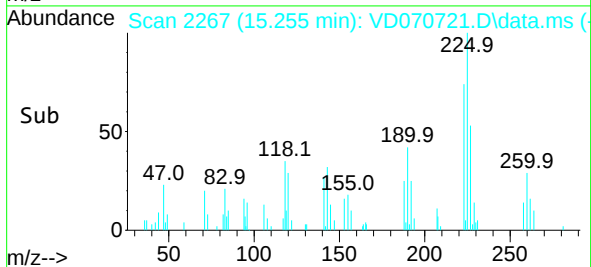
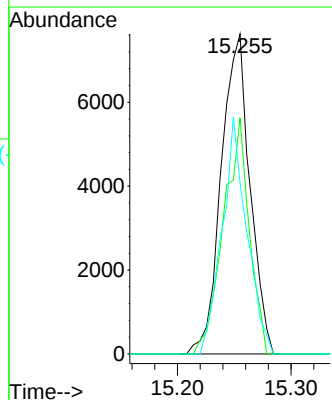
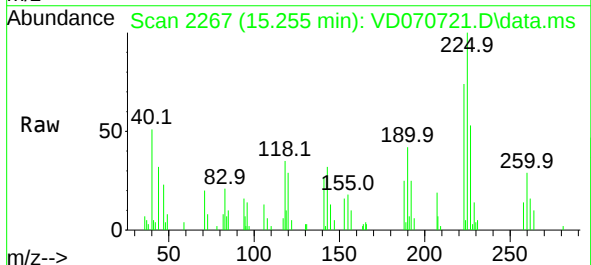
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT4-2021

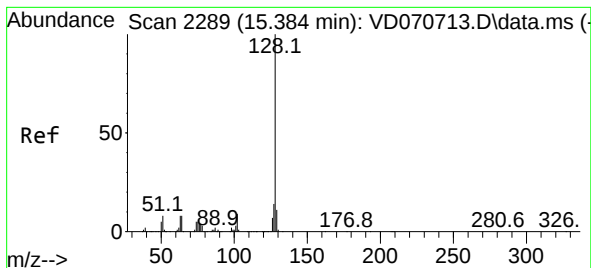
Tgt Ion:	180	Resp:	19125
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.5	142.5
145	28.7	16.9	50.7



#94
Hexachlorobutadiene
Concen: 4.099 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. 0.006 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:	225	Resp:	13378
Ion Ratio	Lower	Upper	
225	100		
223	66.3	31.2	93.6
227	64.2	32.2	96.6

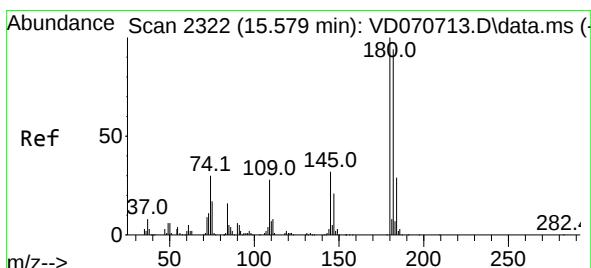
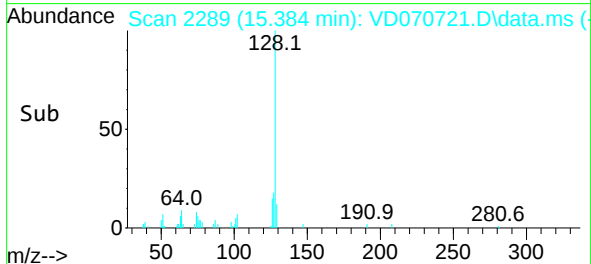
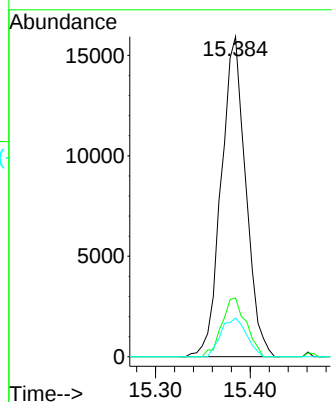
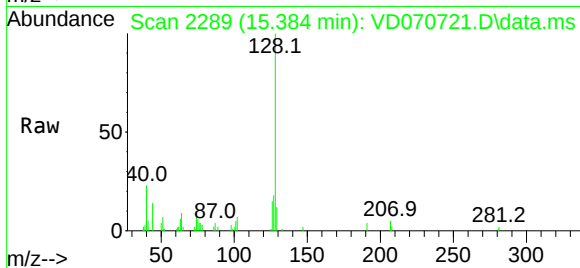




#95
Naphthalene
Concen: 3.390 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

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

Tgt Ion:128 Resp: 28647
Ion Ratio Lower Upper
128 100
127 18.2 10.9 16.3#
129 12.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.625 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VD070721.D
Acq: 15 Oct 2021 17:37

Tgt Ion:180 Resp: 16029
Ion Ratio Lower Upper
180 100
182 99.2 46.2 138.5
145 34.0 17.1 51.3

