

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022321\
 Data File : VW018228.D
 Acq On : 23 Feb 2021 15:37
 Operator : SY/VA
 Sample : M1344-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-03

Quant Time: Feb 24 00:34:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 23 18:34:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	433042	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	393986	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	204178	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	117271	24.51	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.04%		
7) Chloroethane-d5	2.892	69	90011	24.00	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.00%		
11) 1,1-Dichloroethene-d2	4.025	63	174127	17.93	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	71.72%		
21) 2-Butanone-d5	7.074	46	67411	64.81	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	129.62%		
24) Chloroform-d	7.647	84	246588	23.46	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.84%		
26) 1,2-Dichloroethane-d4	8.305	65	134835	25.71	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.84%		
32) Benzene-d6	8.275	84	509020	24.81	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.24%		
36) 1,2-Dichloropropane-d6	9.275	67	143128	25.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.56%		
41) Toluene-d8	10.323	98	481027	24.48	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.92%		
43) trans-1,3-Dichloroprop...	10.579	79	65859	25.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	102.56%		
47) 2-Hexanone-d5	10.921	63	58515	64.80	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	129.60%		
56) 1,1,2,2-Tetrachloroeth...	12.689	84	133504	28.71	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	114.84%		
66) 1,2-Dichlorobenzene-d4	13.853	152	185807	24.87	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	99.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.014	85	5617	1.09	ug/L	97
3) Chloromethane	2.215	50	4953	1.25	ug/L	96
5) Vinyl chloride	2.367	62	6891	1.21	ug/L #	57
6) Bromomethane	2.788	94	4876	1.24	ug/L	88
8) Chloroethane	2.928	64	3546	1.12	ug/L	97
9) Trichlorofluoromethane	3.263	101	3496	0.86	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	7931	1.43	ug/L #	77
12) 1,1-Dichloroethene	4.050	96	7356	1.37	ug/L #	1
13) Acetone	4.129	43	3013	4.30	ug/L	96
14) Carbon disulfide	4.391	76	16900	1.03	ug/L	95
15) Methyl Acetate	4.678	43	2448	1.33	ug/L	99
16) Methylene chloride	4.922	84	9837	1.67	ug/L	84
17) trans-1,2-Dichloroethene	5.428	96	6329	1.11	ug/L	79
18) Methyl tert-butyl Ether	5.428	73	6967	1.22	ug/L #	75
19) 1,1-Dichloroethane	6.220	63	10058	1.12	ug/L	94
20) cis-1,2-Dichloroethene	7.165	96	6843	1.15	ug/L	85
22) 2-Butanone	7.177	43	2436	2.18	ug/L #	65
23) Bromochloromethane	7.519	128	3290	1.16	ug/L #	74
25) Chloroform	7.677	83	11775	1.21	ug/L	86
27) 1,2-Dichloroethane	8.403	62	7721	1.31	ug/L	98

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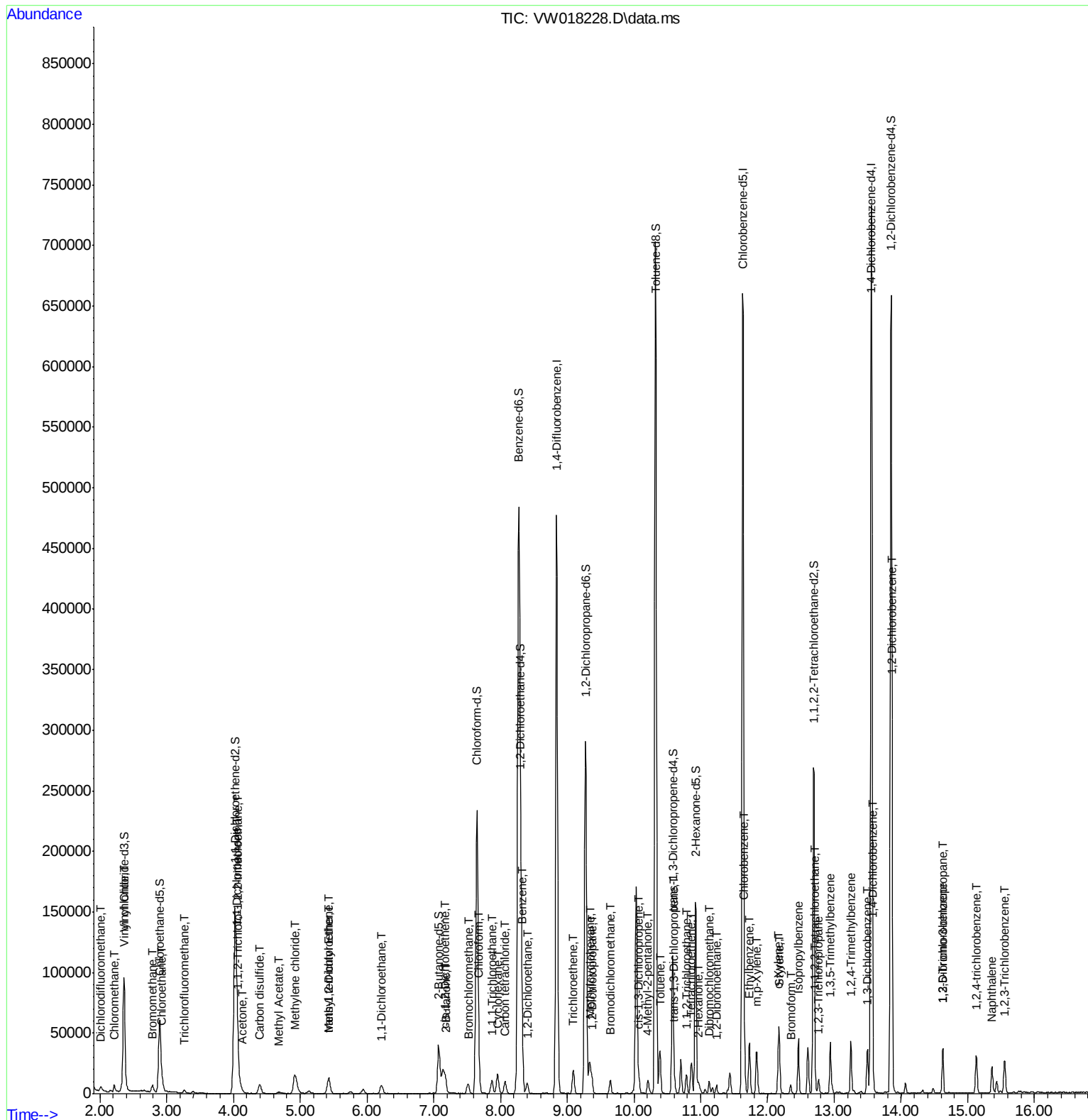
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.958	56	8402	1.06	ug/L #	88
30) 1,1,1-Trichloroethane	7.872	97	8886	1.12	ug/L	95
31) Carbon tetrachloride	8.074	117	8243	1.07	ug/L	97
33) Benzene	8.323	78	24625	1.17	ug/L	100
34) Trichloroethene	9.092	95	6933	1.18	ug/L	94
35) Methylcyclohexane	9.342	83	10797	1.11	ug/L	98
37) 1,2-Dichloropropane	9.372	63	5558	1.14	ug/L #	97
38) Bromodichloromethane	9.646	83	7895	1.16	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	8249	1.06	ug/L	95
40) 4-Methyl-2-pentanone	10.207	43	7210	2.92	ug/L #	91
42) Toluene	10.390	91	27778	1.20	ug/L	97
44) trans-1,3-Dichloropropene	10.604	75	10644	1.59	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	4943	1.24	ug/L	95
46) Tetrachloroethene	10.860	164	5798	1.11	ug/L	96
48) 2-Hexanone	10.969	43	5116	3.04	ug/L #	92
49) Dibromochloromethane	11.128	129	5701	1.16	ug/L	96
50) 1,2-Dibromoethane	11.238	107	5137	1.32	ug/L #	98
51) Chlorobenzene	11.652	112	18572	1.20	ug/L	95
52) Ethylbenzene	11.731	91	29611	1.13	ug/L	100
53) m,p-Xylene	11.841	106	11984	1.17	ug/L	96
54) o-Xylene	12.164	106	10608	1.10	ug/L	94
55) Styrene	12.176	104	17198	1.06	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.713	83	6492	1.46	ug/L #	95
59) Bromoform	12.347	173	3528	1.21	ug/L #	40
60) Isopropylbenzene	12.463	105	29104	1.09	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	4646	1.39	ug/L #	93
62) 1,3,5-Trimethylbenzene	12.939	105	24201	1.08	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	24931	1.12	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	14976	1.17	ug/L	96
65) 1,4-Dichlorobenzene	13.579	146	15421	1.20	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	14198	1.23	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.627	75	1899	2.61	ug/L #	8
69) 1,3,5-Trichlorobenzene	14.627	180	12462	1.26	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	10521	1.29	ug/L	97
71) Naphthalene	15.365	128	19333	1.35	ug/L	98
72) 1,2,3-Trichlorobenzene	15.554	180	9770	1.37	ug/L	96

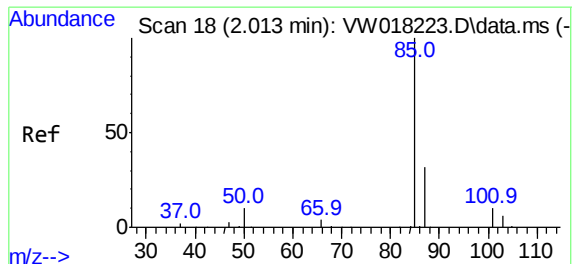
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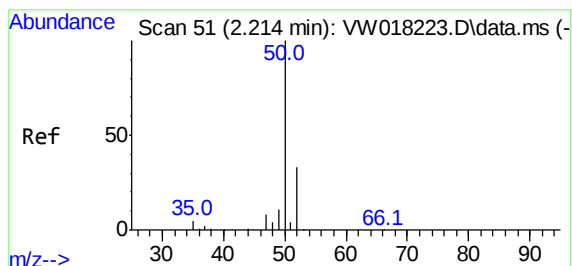
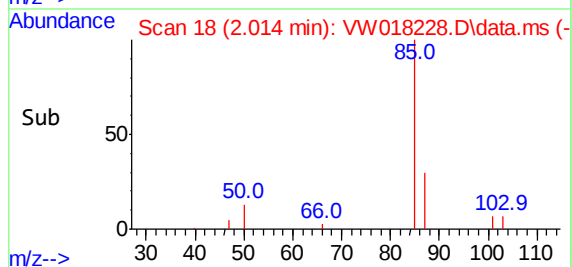
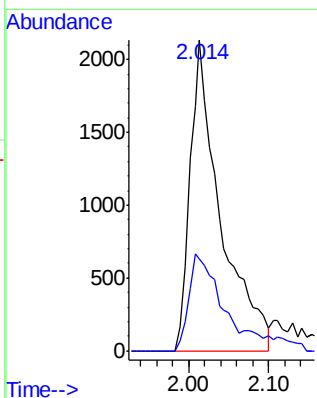
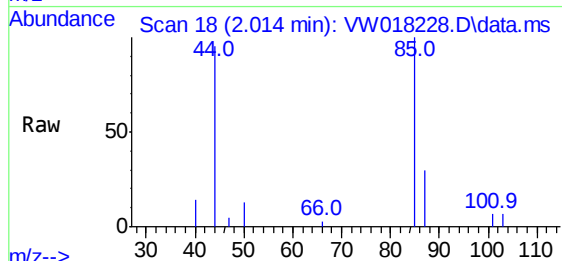




#2
Dichlorodifluoromethane
Concen: 1.09 ug/L
RT: 2.014 min Scan# 18
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

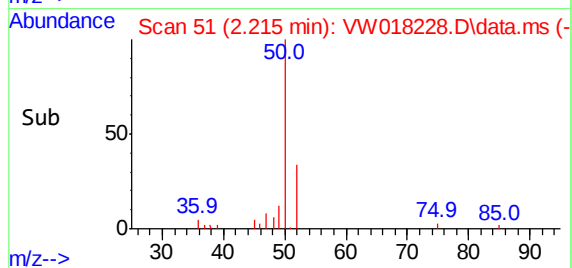
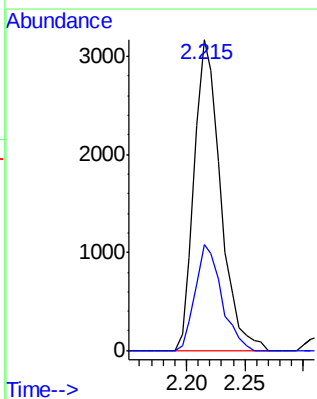
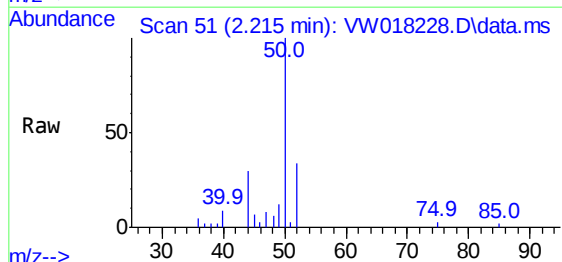
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

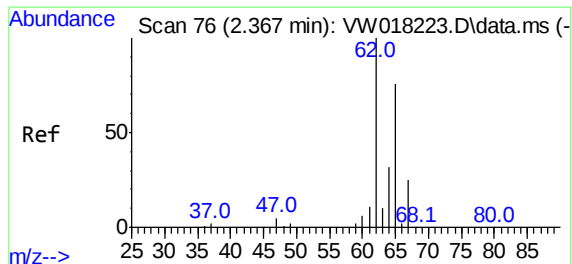
Tgt Ion: 85 Resp: 5617
Ion Ratio Lower Upper
85 100
87 30.9 23.3 34.9



#3
Chloromethane
Concen: 1.25 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 50 Resp: 4953
Ion Ratio Lower Upper
50 100
52 34.3 22.5 41.9

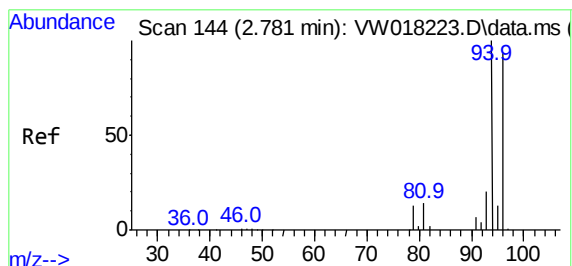
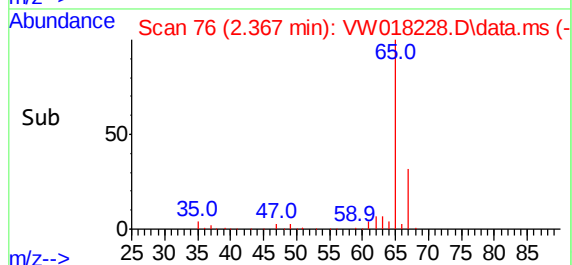
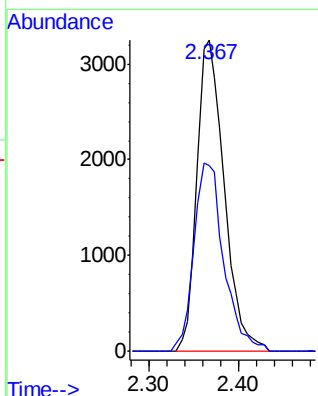
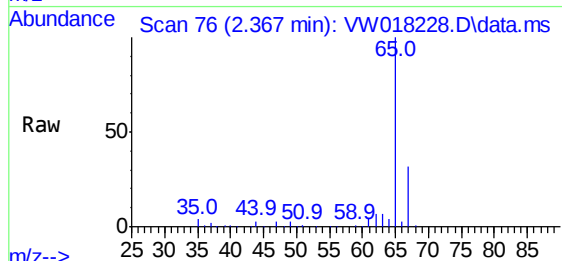




#5
 Vinyl chloride
 Concen: 1.21 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW018228.D
 Acq: 23 Feb 2021 15:37

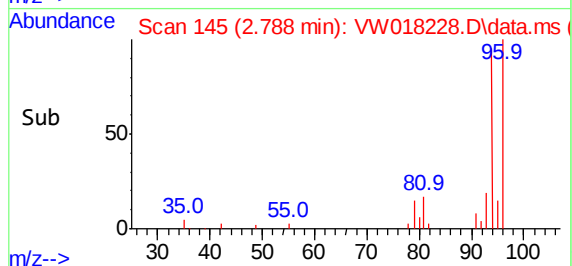
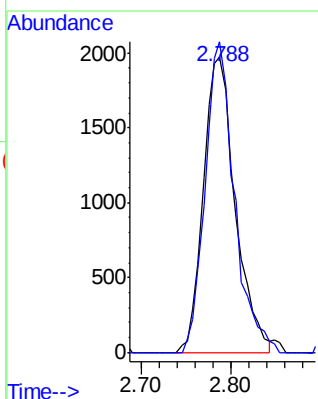
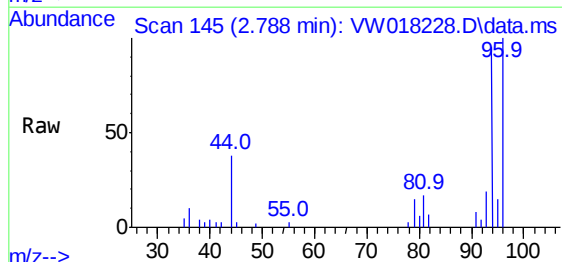
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT2-2021-03

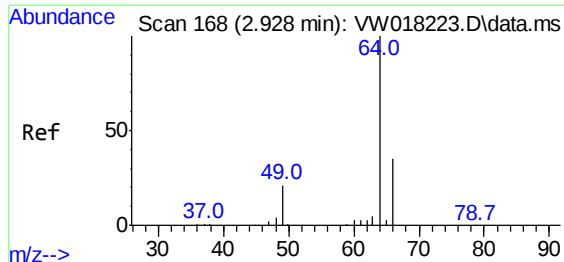
Tgt Ion: 62 Resp: 6891
 Ion Ratio Lower Upper
 62 100
 64 59.6 24.2 45.0#



#6
 Bromomethane
 Concen: 1.24 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. 0.006 min
 Lab File: VW018228.D
 Acq: 23 Feb 2021 15:37

Tgt Ion: 94 Resp: 4876
 Ion Ratio Lower Upper
 94 100
 96 105.2 65.3 121.3

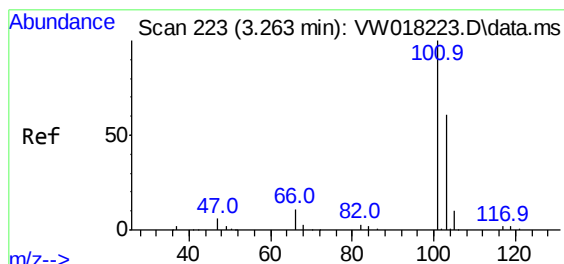
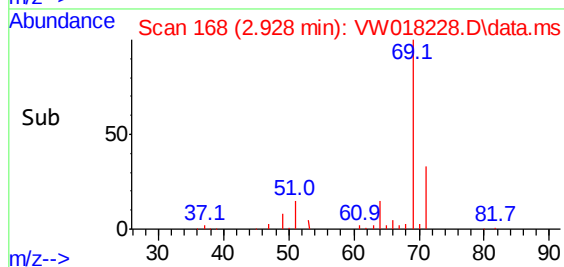
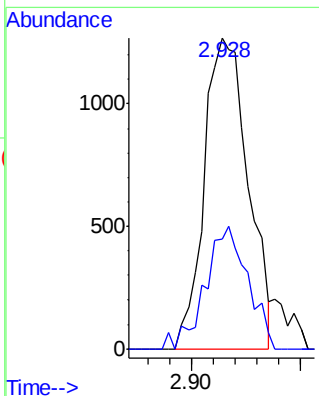
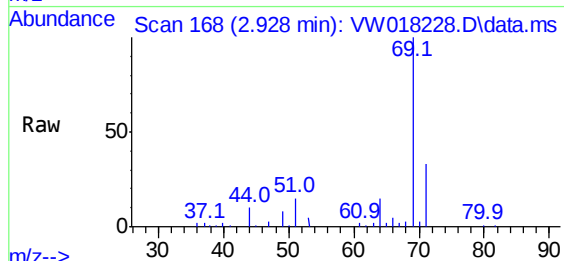




#8
Chloroethane
Concen: 1.12 ug/L
RT: 2.928 min Scan# 168
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

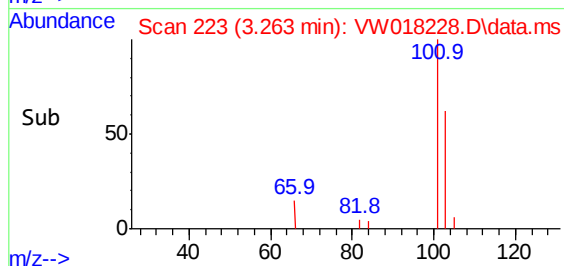
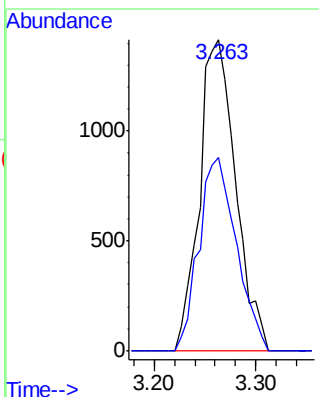
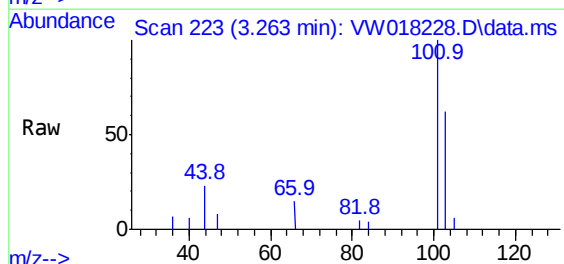
Instrument :
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ClientSampleId :
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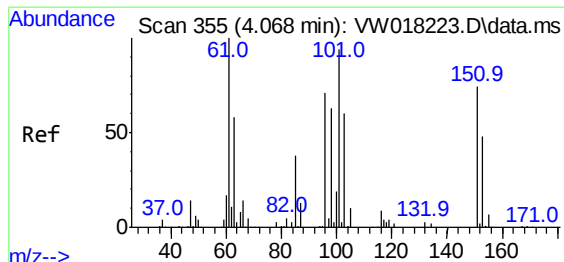
Tgt Ion: 64 Resp: 3546
Ion Ratio Lower Upper
64 100
66 35.3 23.4 43.6



#9
Trichlorofluoromethane
Concen: 0.86 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 101 Resp: 3496
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.43 ug/L

RT: 4.068 min Scan# 355

Delta R.T. 0.000 min

Lab File: VW018228.D

Acq: 23 Feb 2021 15:37

Tgt Ion: 101 Resp: 7931

Ion Ratio Lower Upper

101 100

85 17.7 38.2 57.2#

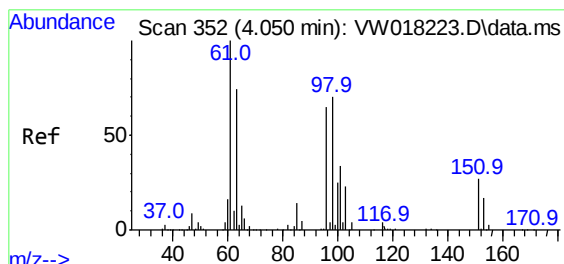
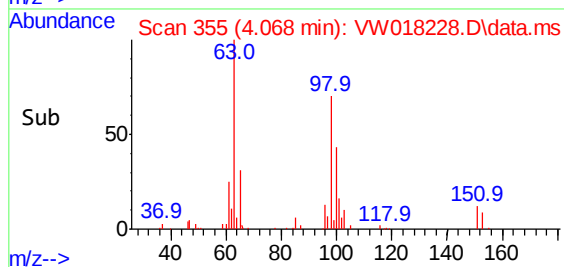
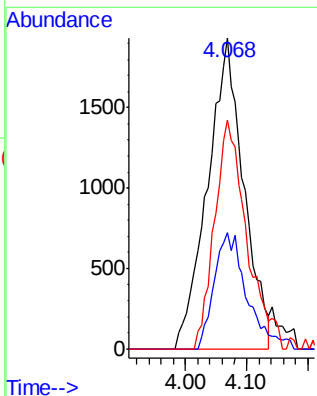
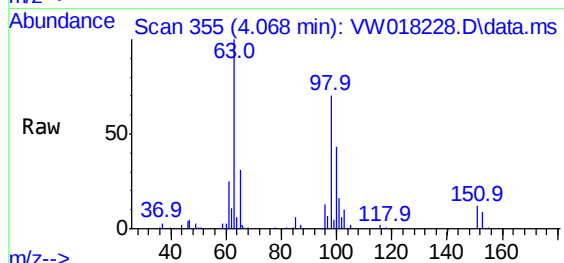
151 63.3 56.6 85.0

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2021-03



#12

1,1-Dichloroethene

Concen: 1.37 ug/L

RT: 4.050 min Scan# 352

Delta R.T. 0.000 min

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Acq: 23 Feb 2021 15:37

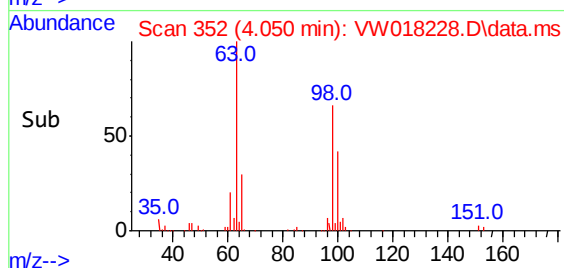
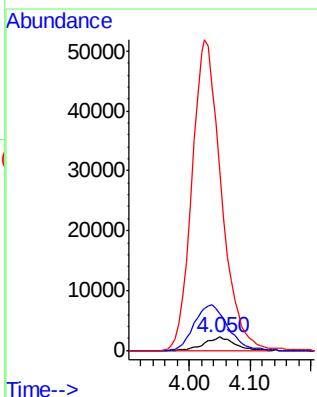
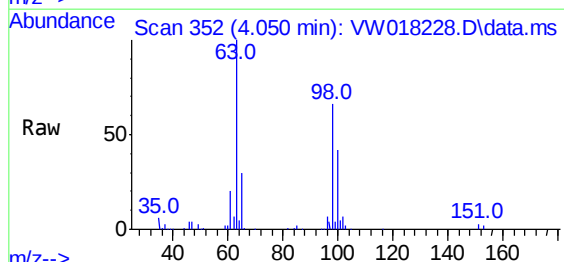
Tgt Ion: 96 Resp: 7356

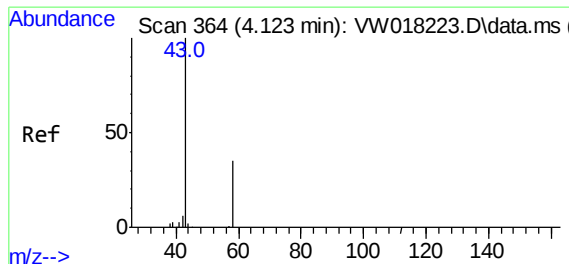
Ion Ratio Lower Upper

96 100

61 274.8 118.1 219.3#

63 1343.7 83.7 155.5#

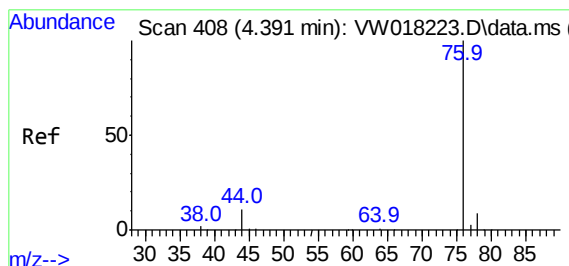
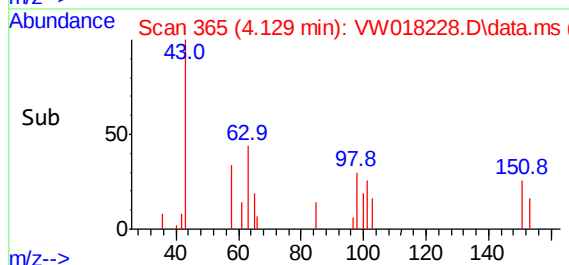
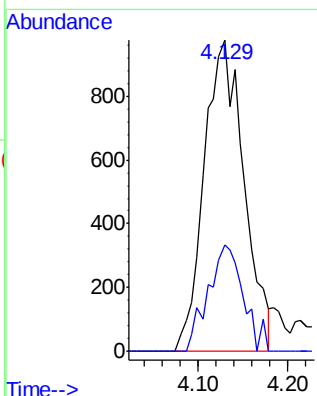
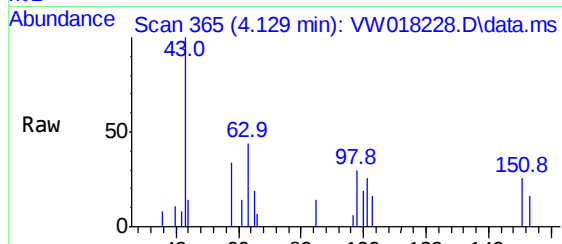




#13
Acetone
Concen: 4.30 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
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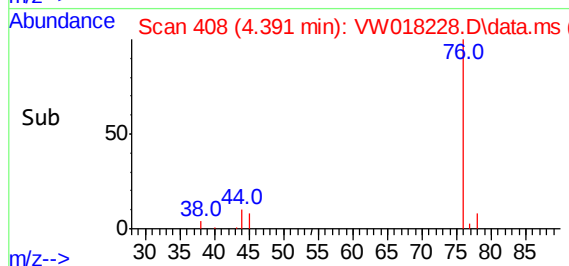
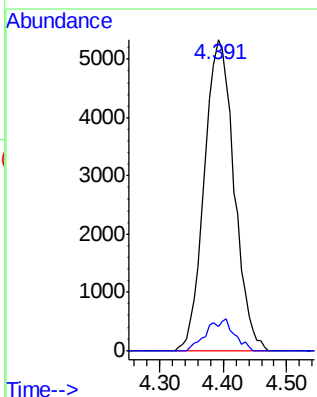
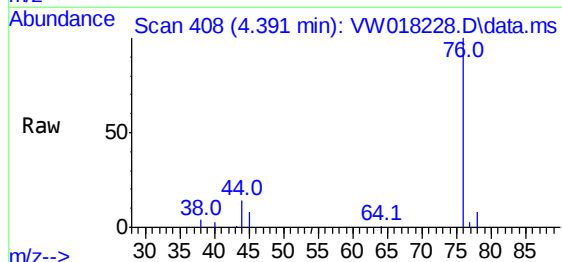
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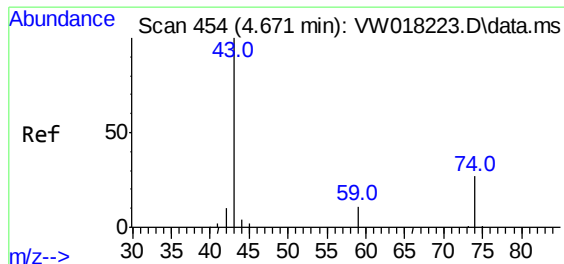
Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
58 28.8 0.0 53.8



#14
Carbon disulfide
Concen: 1.03 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 76 Resp: 16900
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0

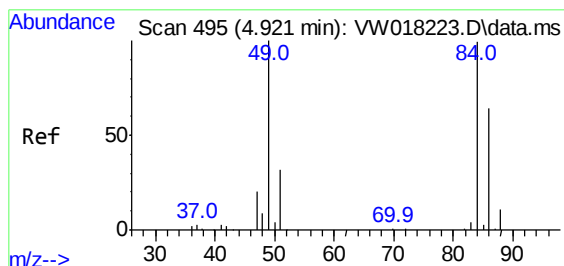
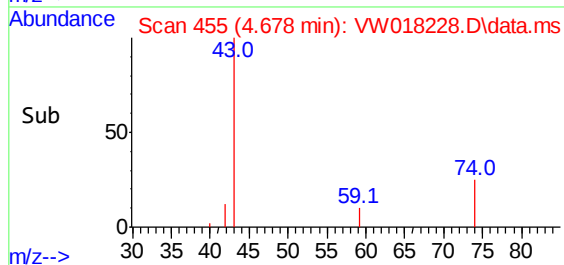
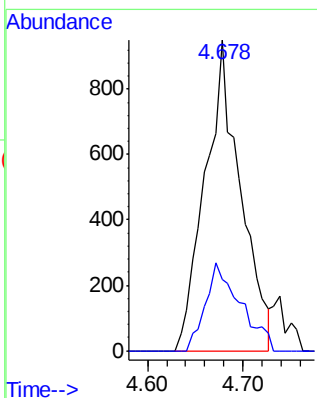
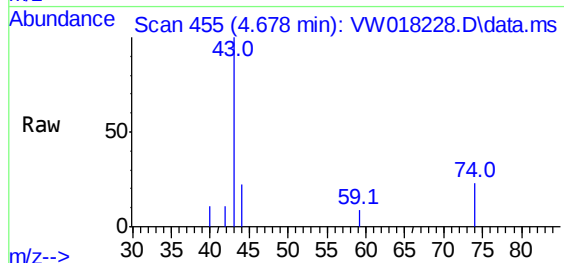




#15
Methyl Acetate
Concen: 1.33 ug/L
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

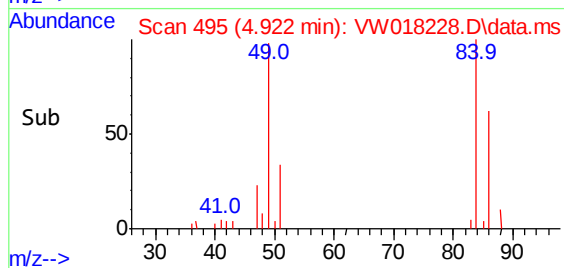
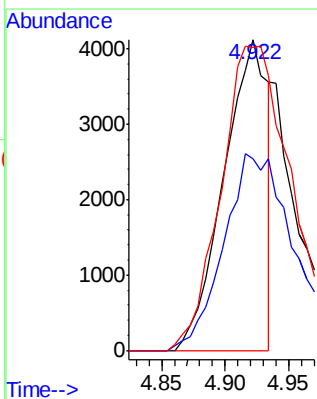
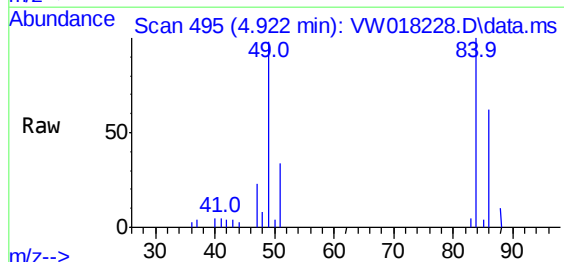
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

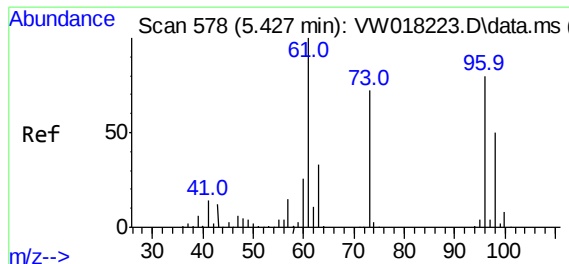
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
74 25.6 20.0 30.0



#16
Methylene chloride
Concen: 1.67 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 84 Resp: 9837
Ion Ratio Lower Upper
84 100
86 61.9 45.3 84.1
49 97.6 86.6 160.8



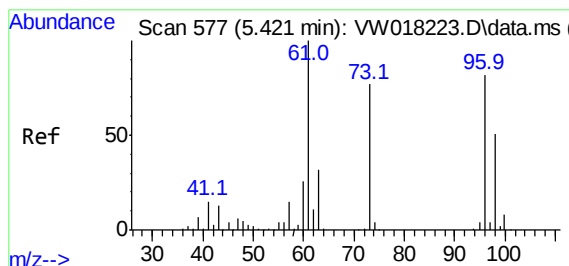
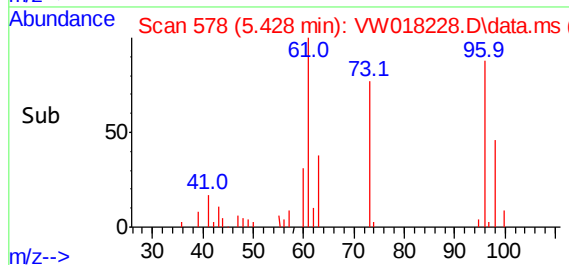
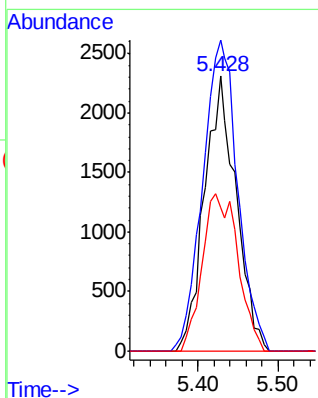
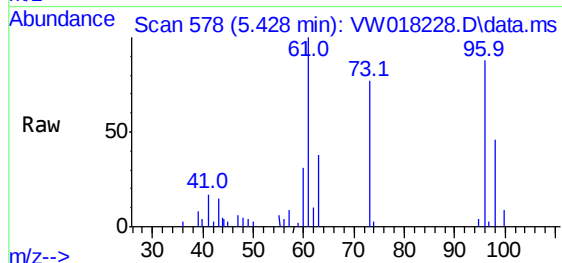


#17
trans-1,2-Dichloroethene
Concen: 1.11 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

Tgt Ion: 96 Resp: 6329

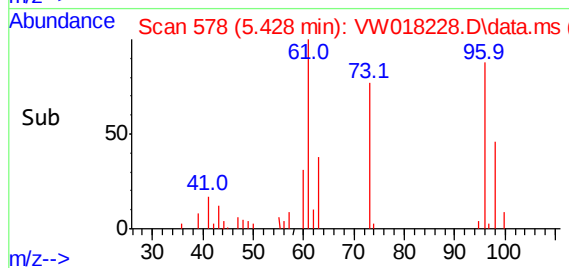
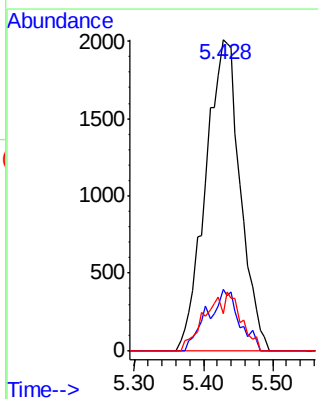
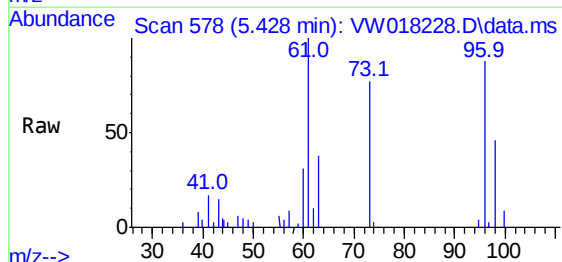
Ion	Ratio	Lower	Upper
96	100		
61	113.3	98.3	182.7
98	51.9	46.1	85.7

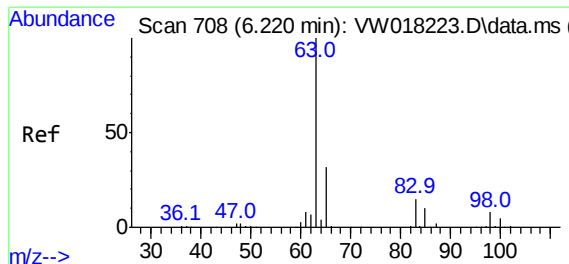


#18
Methyl tert-butyl Ether
Concen: 1.22 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 73 Resp: 6967

Ion	Ratio	Lower	Upper
73	100		
43	13.1	17.7	26.5#
57	6.5	17.0	25.4#

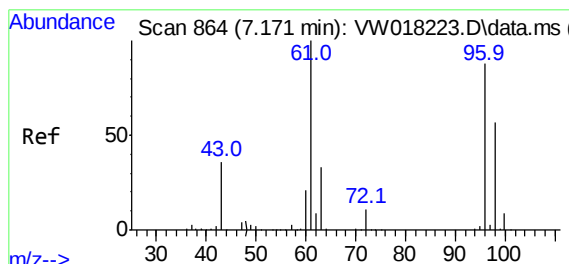
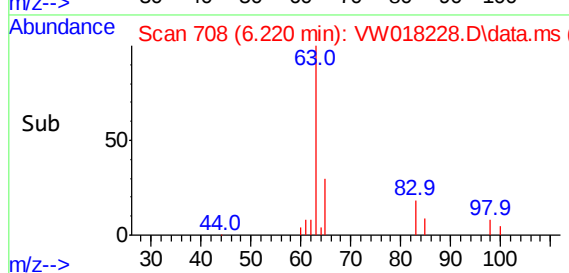
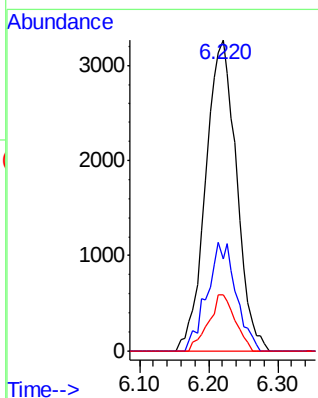
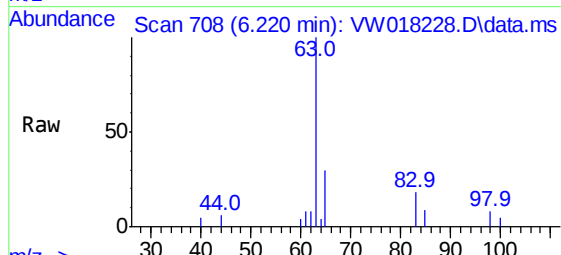




#19
1,1-Dichloroethane
Concen: 1.12 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

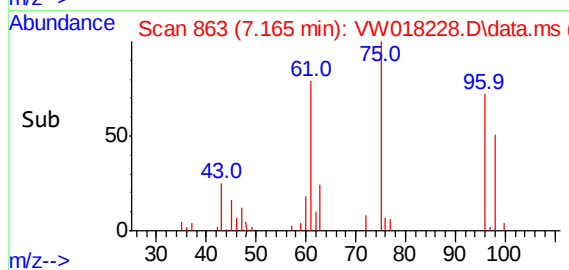
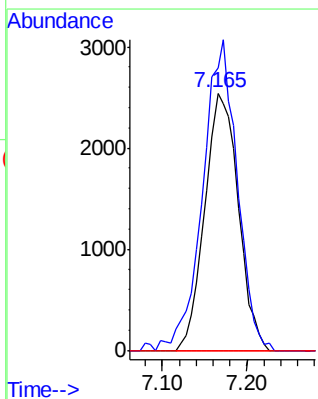
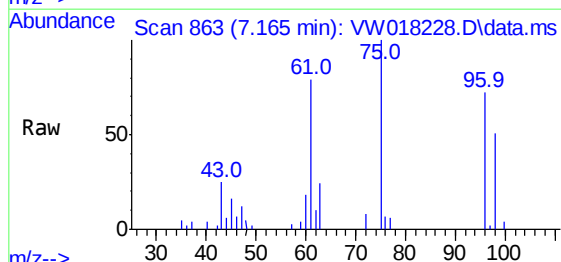
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

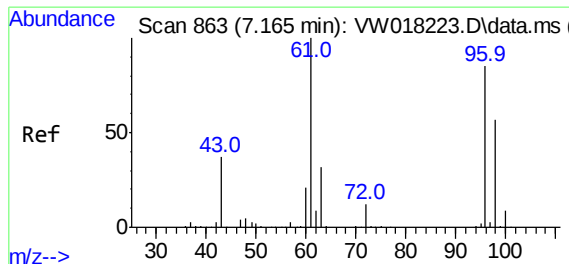
Tgt Ion:	63	Resp:	10058
Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.9	42.5
83	17.8	10.2	19.0



#20
cis-1,2-Dichloroethene
Concen: 1.15 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:	96	Resp:	6843
Ion	Ratio	Lower	Upper
96	100		
61	109.6	88.5	164.3
68	0.0	0.0	0.0

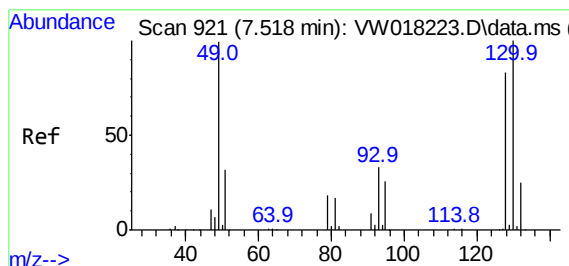
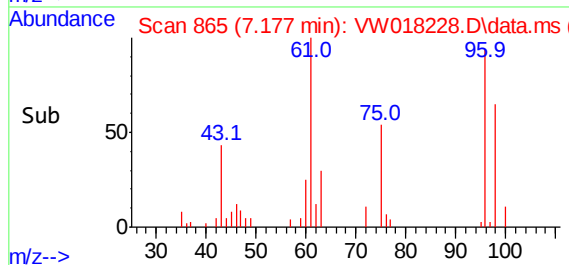
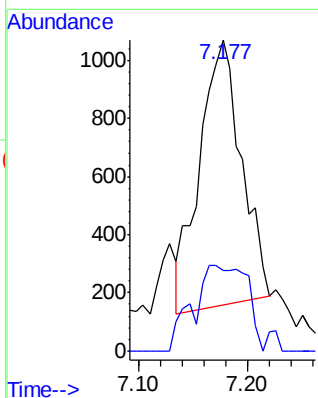
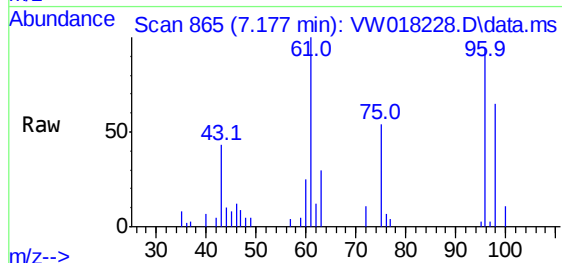




#22
2-Butanone
Concen: 2.18 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.013 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

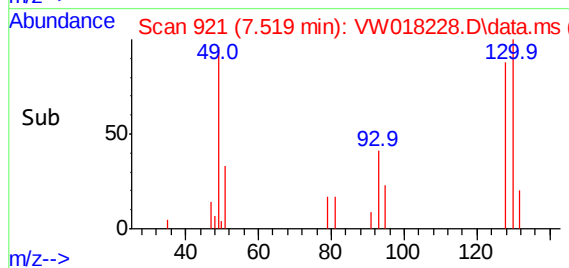
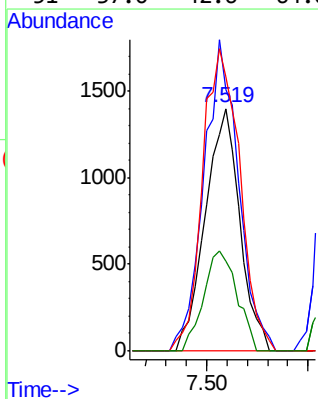
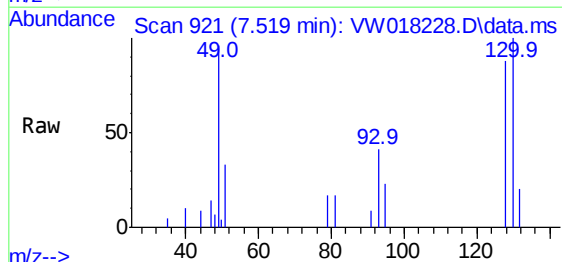
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

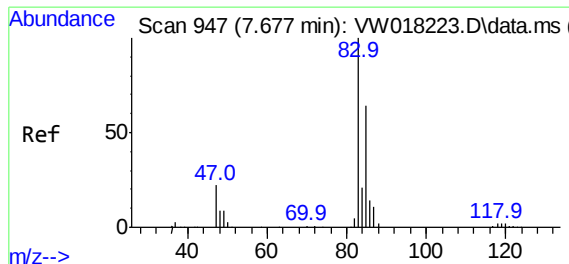
Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
72 11.0 14.9 44.7#



#23
Bromochloromethane
Concen: 1.16 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 128 Resp: 3290
Ion Ratio Lower Upper
128 100
49 108.0 116.3 215.9#
130 113.1 82.4 153.0
51 37.0 42.6 64.0#

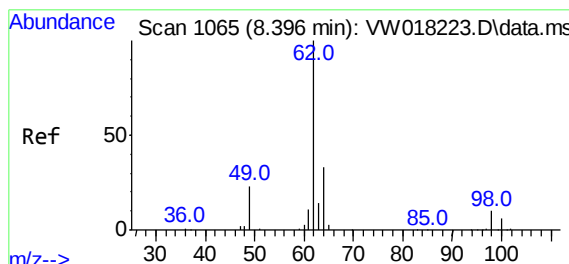
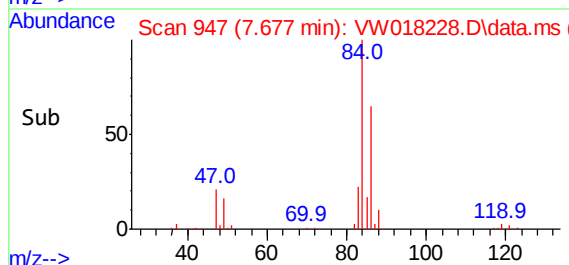
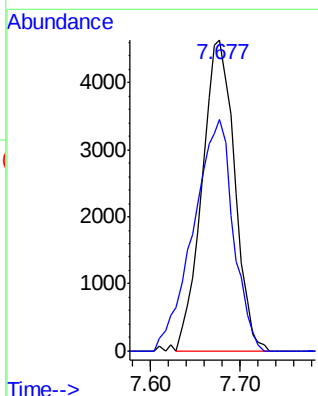
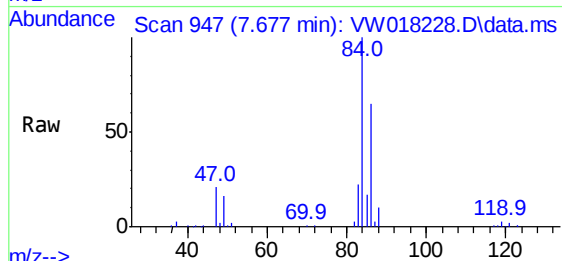




#25
Chloroform
Concen: 1.21 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

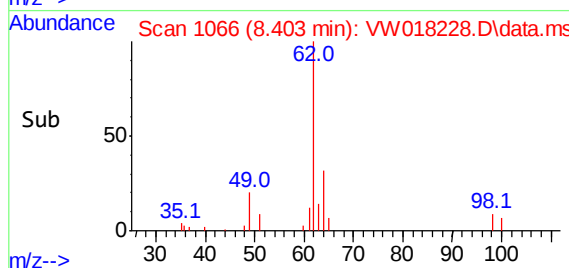
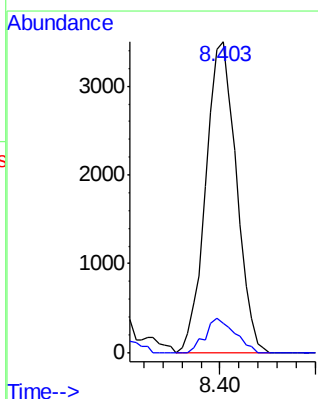
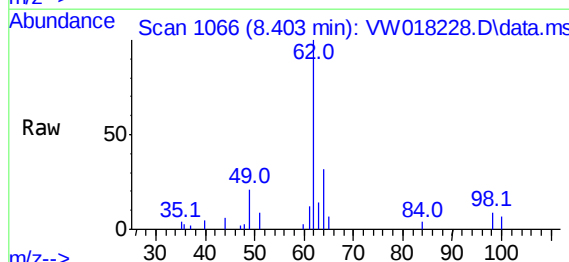
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

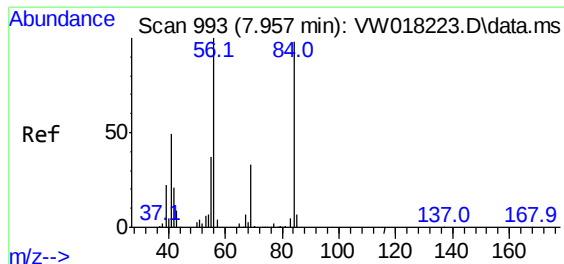
Tgt Ion: 83 Resp: 11775
Ion Ratio Lower Upper
83 100
85 74.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 1.31 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 62 Resp: 7721
Ion Ratio Lower Upper
62 100
98 9.3 6.9 10.3

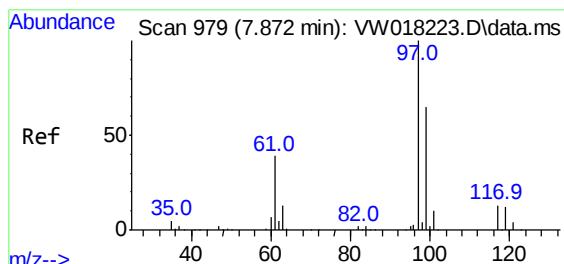
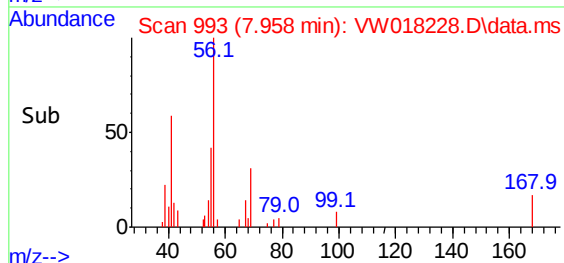
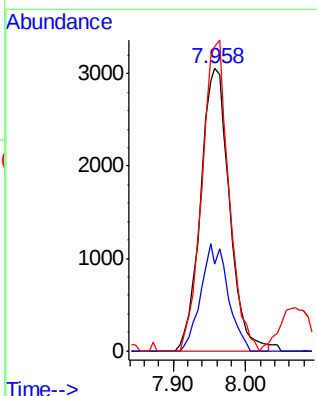
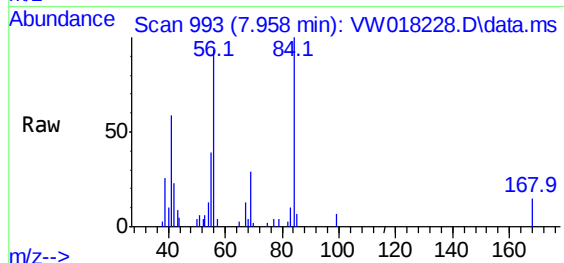




#29
Cyclohexane
Concen: 1.06 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

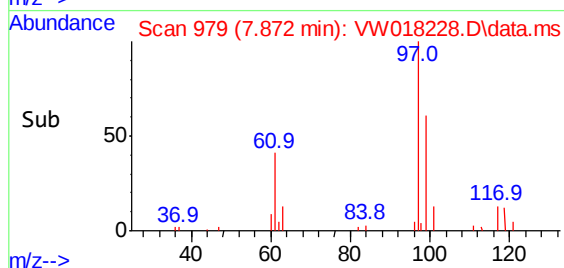
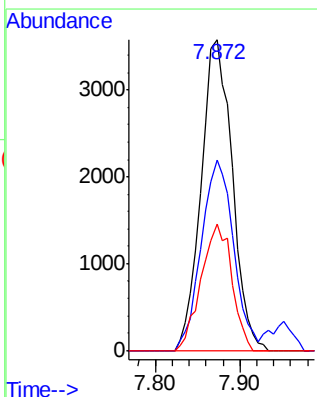
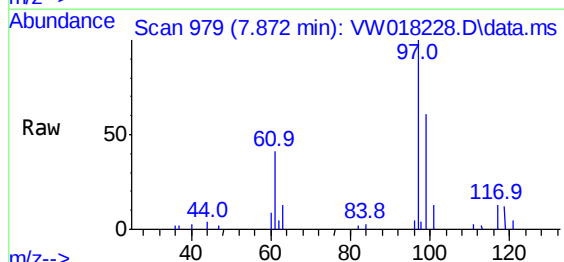
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

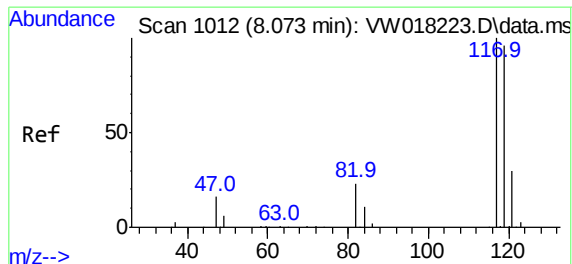
Tgt Ion: 56 Resp: 8402
Ion Ratio Lower Upper
56 100
69 20.1 24.5 36.7#
84 102.7 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 1.12 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 97 Resp: 8886
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 40.2 37.8 56.6

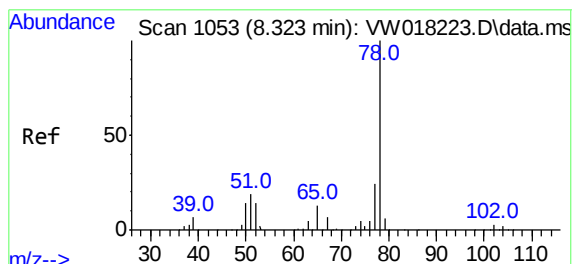
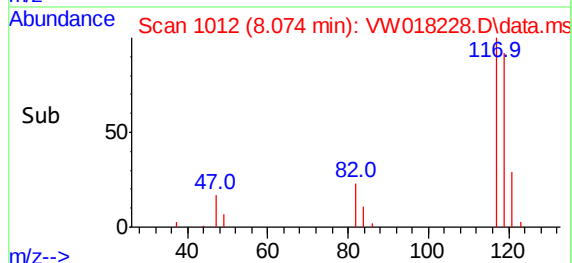
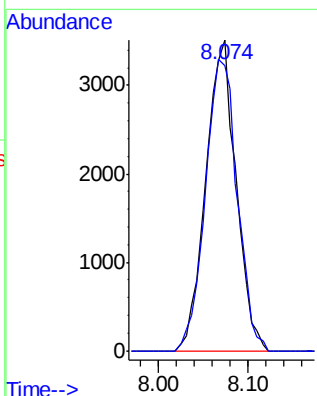
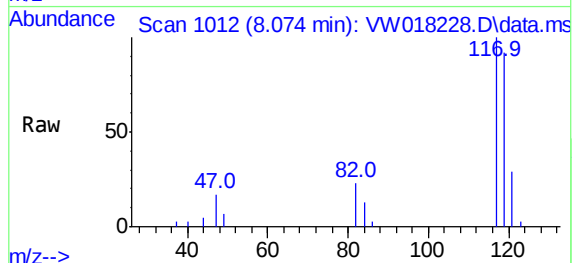




#31
Carbon tetrachloride
Concen: 1.07 ug/L
RT: 8.074 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

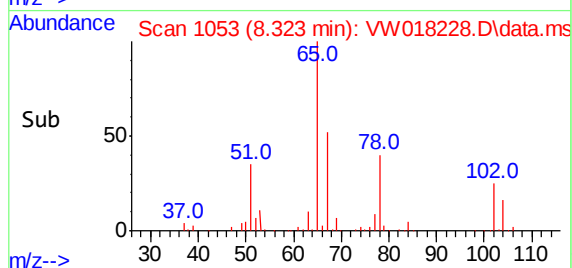
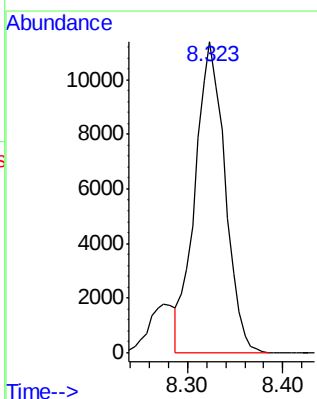
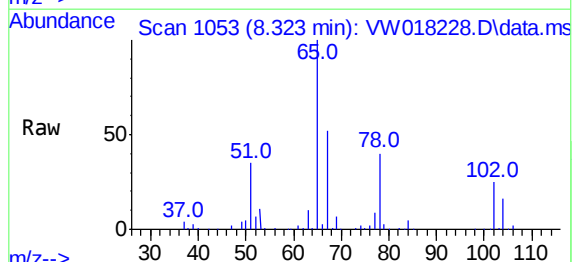
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

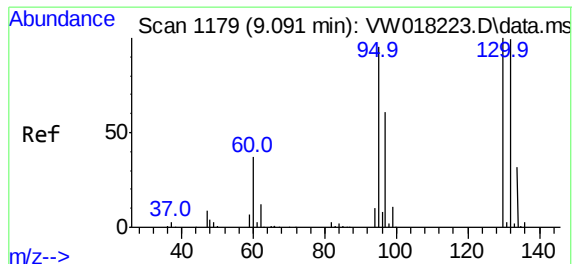
Tgt Ion:117 Resp: 8243
Ion Ratio Lower Upper
117 100
119 98.9 76.5 114.7



#33
Benzene
Concen: 1.17 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 78 Resp: 24625



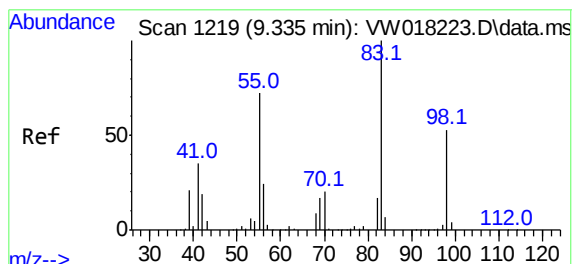
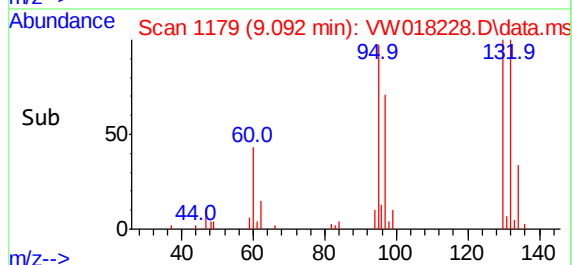
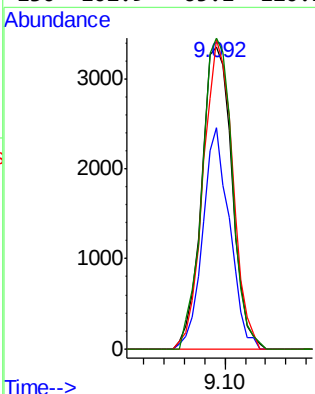
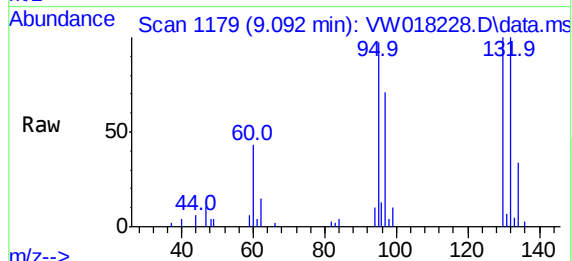


#34
Trichloroethene
Concen: 1.18 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

Tgt Ion: 95 Resp: 6933

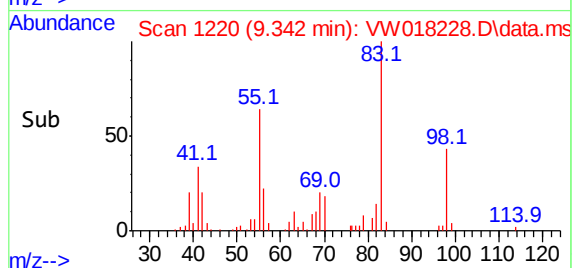
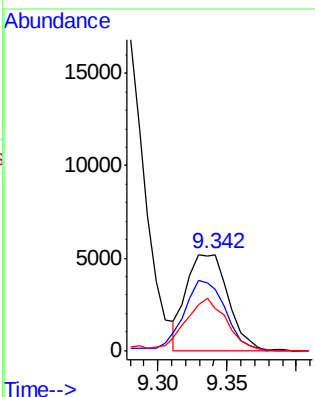
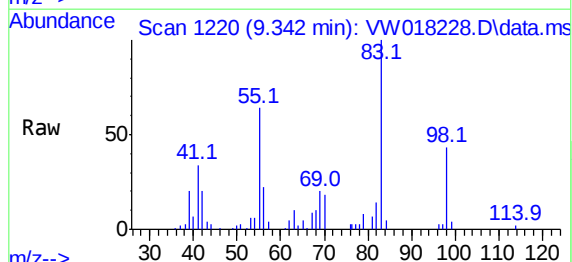
Ion	Ratio	Lower	Upper
95	100		
97	73.2	47.3	87.8
132	102.5	71.0	131.8
130	102.9	65.1	120.9

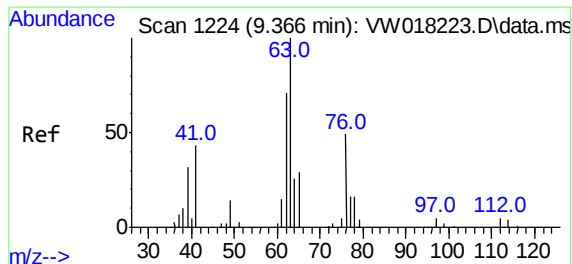


#35
Methylcyclohexane
Concen: 1.11 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 83 Resp: 10797

Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.9	88.3
98	53.4	40.1	60.1

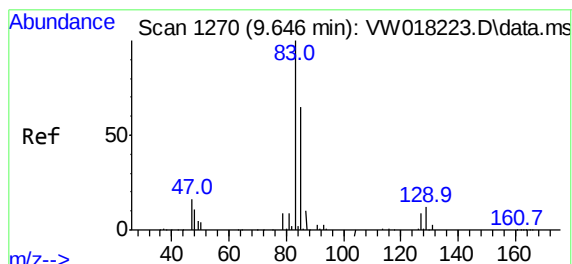
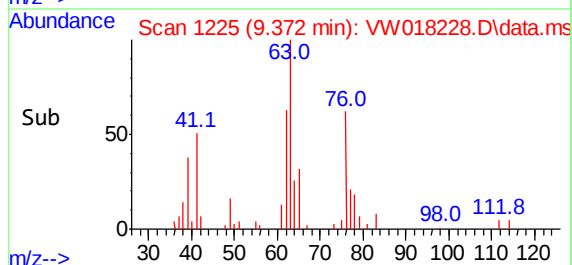
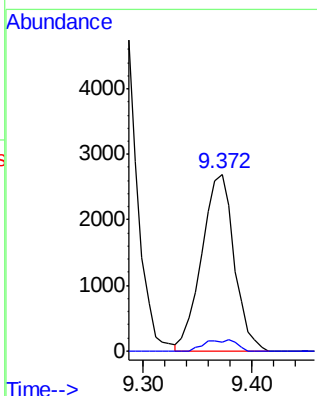
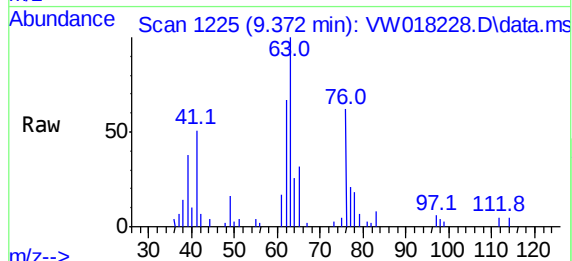




#37
1,2-Dichloropropane
Concen: 1.14 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

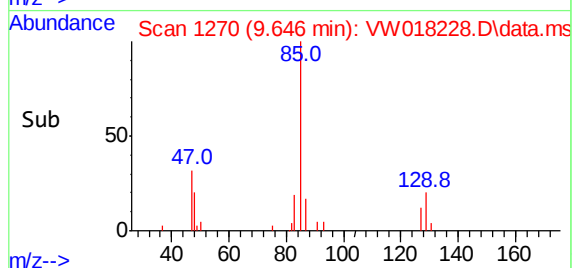
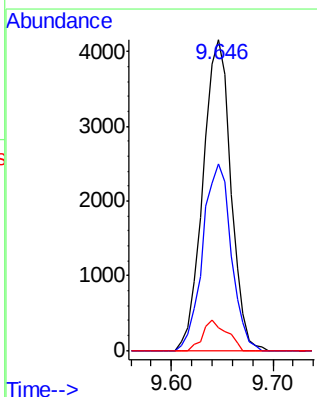
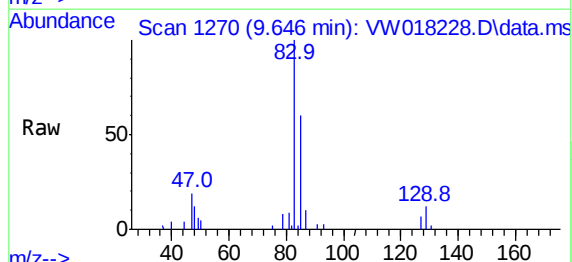
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

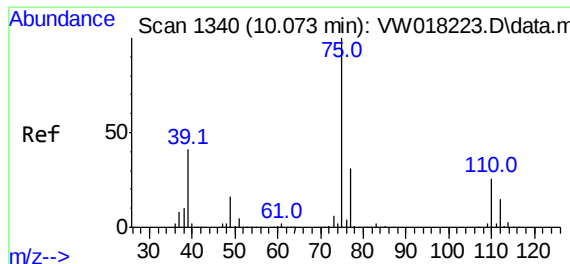
Tgt Ion: 63 Resp: 5558
Ion Ratio Lower Upper
63 100
112 3.8 3.9 5.9#



#38
Bromodichloromethane
Concen: 1.16 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 83 Resp: 7895
Ion Ratio Lower Upper
83 100
85 60.0 42.3 78.5
127 7.3 6.6 9.8

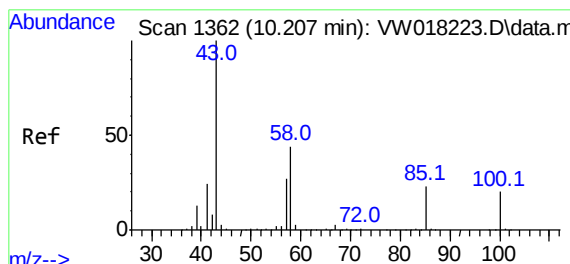
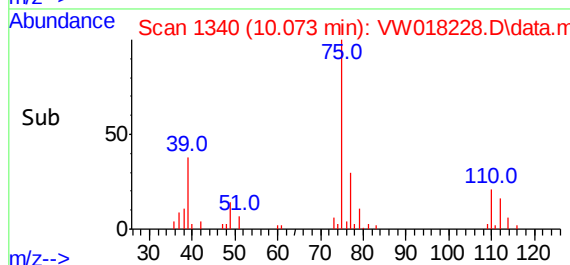
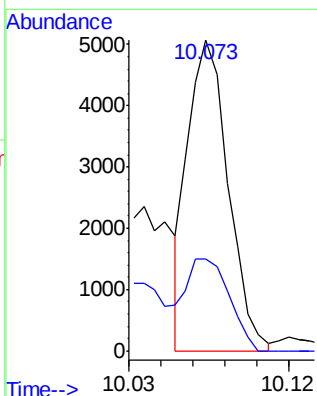
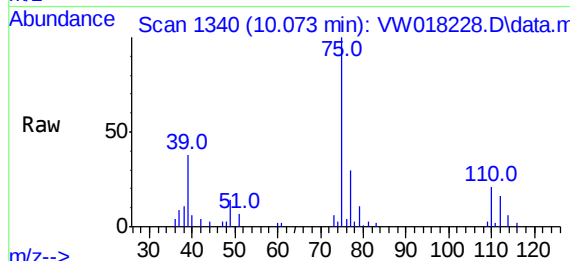




#39
cis-1,3-Dichloropropene
Concen: 1.06 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

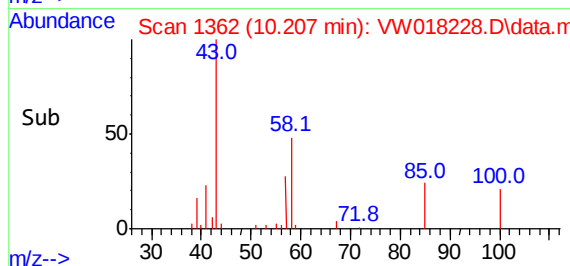
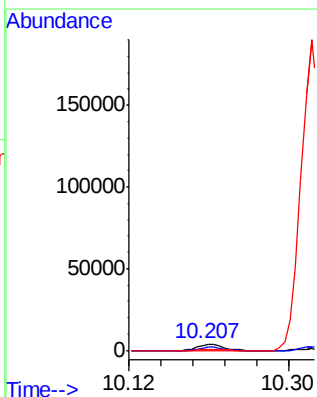
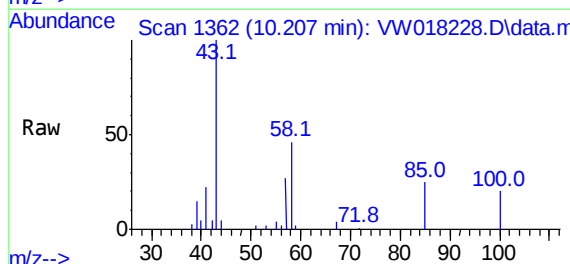
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

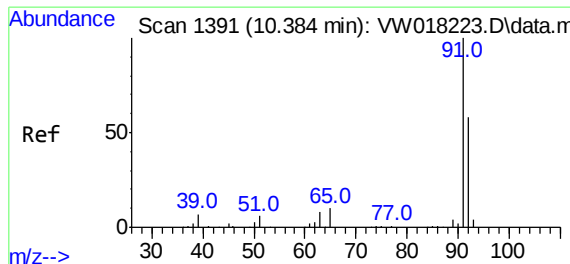
Tgt Ion: 75 Resp: 8249
Ion Ratio Lower Upper
75 100
77 29.6 22.6 42.0



#40
4-Methyl-2-pentanone
Concen: 2.92 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 43 Resp: 7210
Ion Ratio Lower Upper
43 100
58 44.7 31.0 46.4
100 19.8 13.0 19.6#

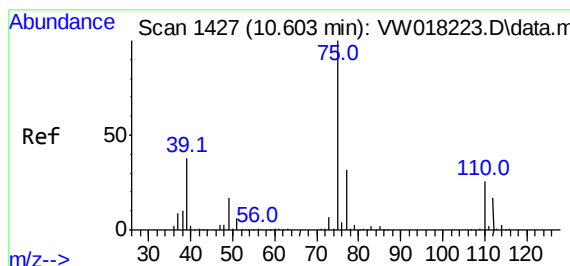
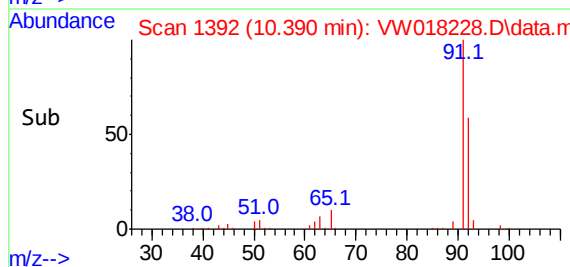
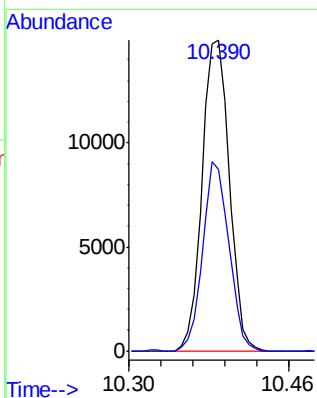
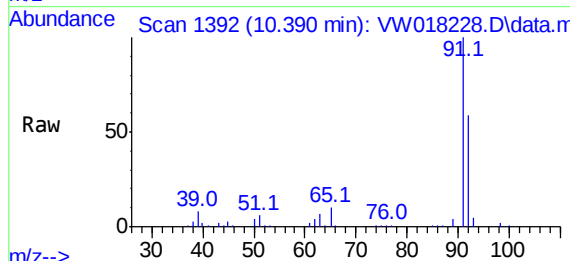




#42
Toluene
Concen: 1.20 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

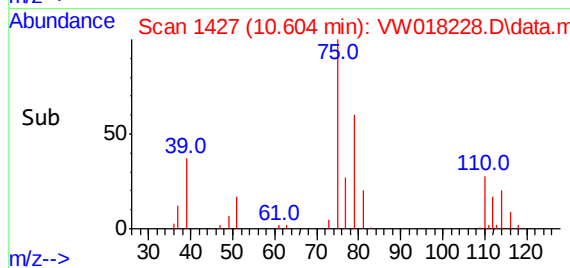
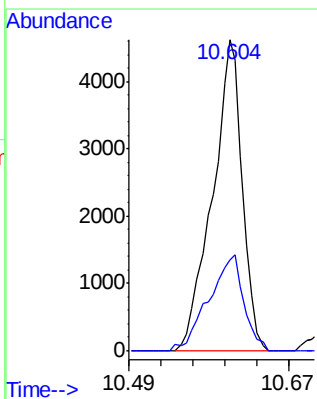
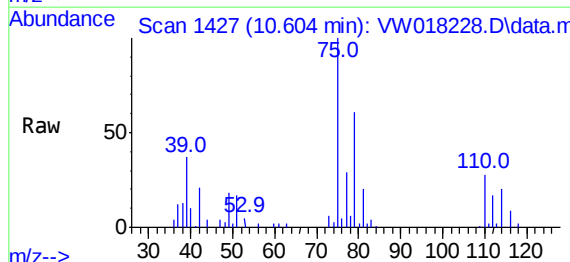
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

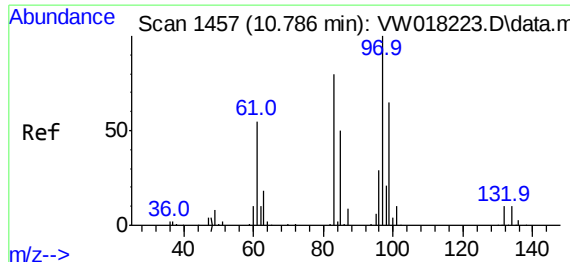
Tgt Ion: 91 Resp: 27778
Ion Ratio Lower Upper
91 100
92 58.5 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 1.59 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 75 Resp: 10644
Ion Ratio Lower Upper
75 100
77 29.2 21.1 39.1



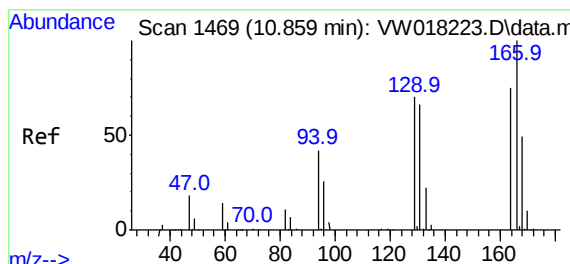
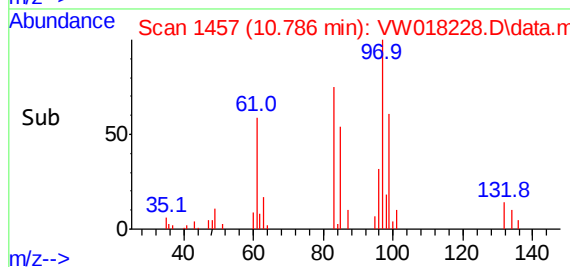
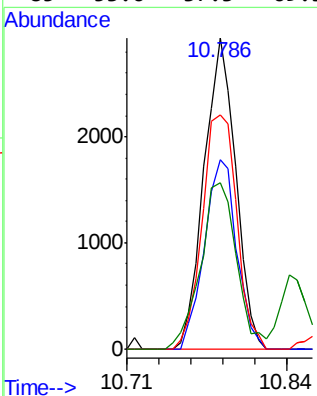
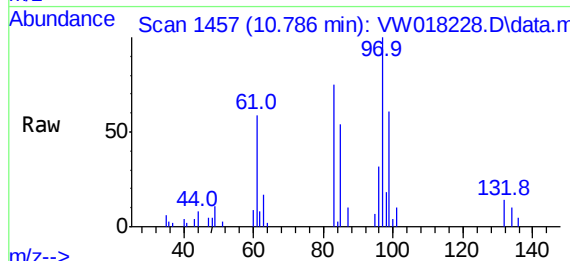


#45
1,1,2-Trichloroethane
Concen: 1.24 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

Tgt Ion: 97 Resp: 4943

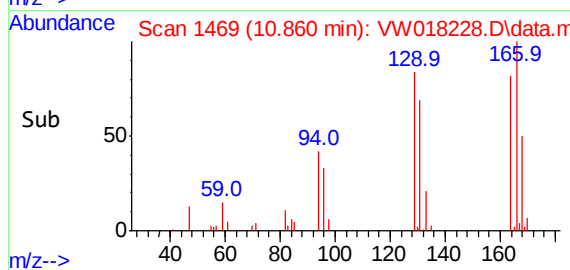
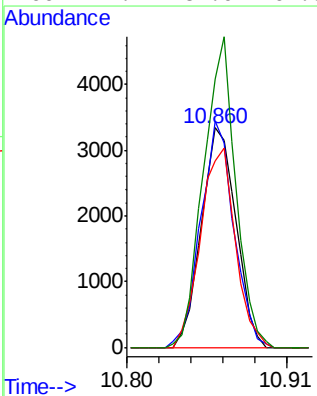
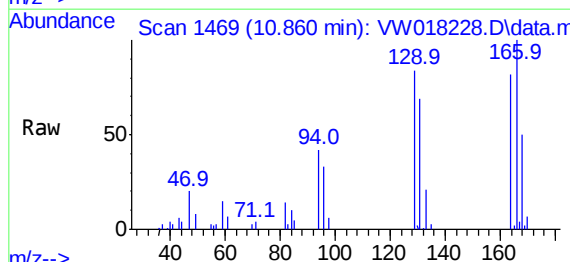
Ion	Ratio	Lower	Upper
97	100		
99	61.0	45.1	83.7
83	75.4	58.1	107.9
85	53.6	37.3	69.3

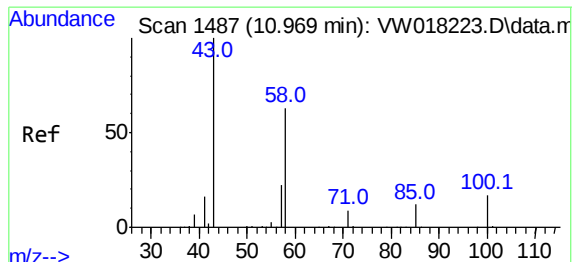


#46
Tetrachloroethene
Concen: 1.11 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 164 Resp: 5798

Ion	Ratio	Lower	Upper
164	100		
129	103.1	66.7	123.9
131	84.6	61.1	113.5
166	122.2	87.0	161.6

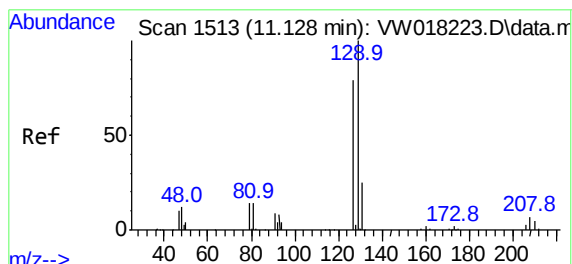
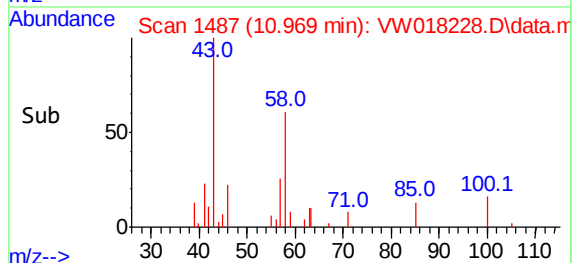
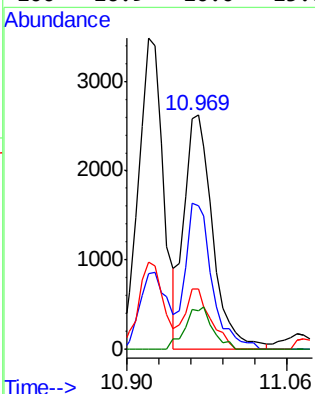
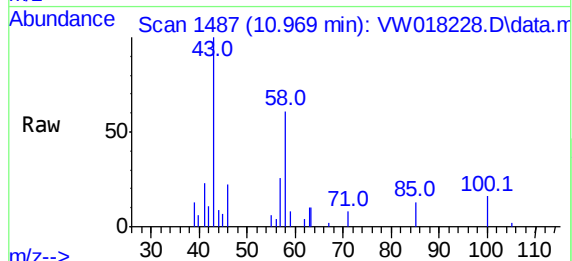




#48
2-Hexanone
Concen: 3.04 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

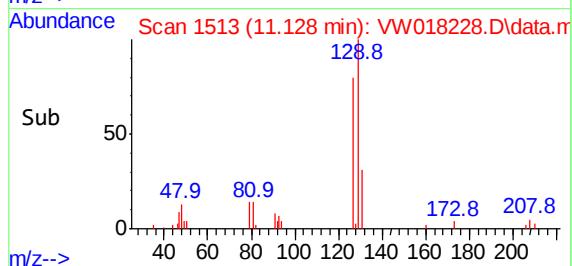
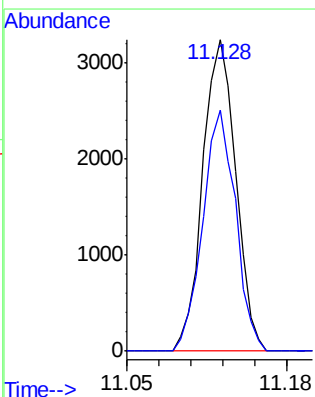
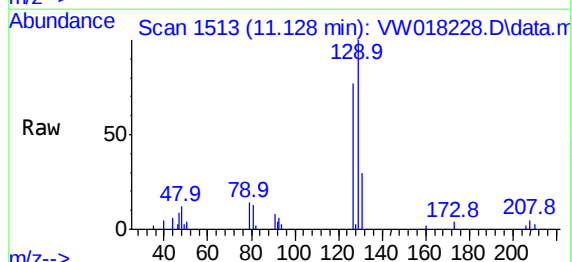
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

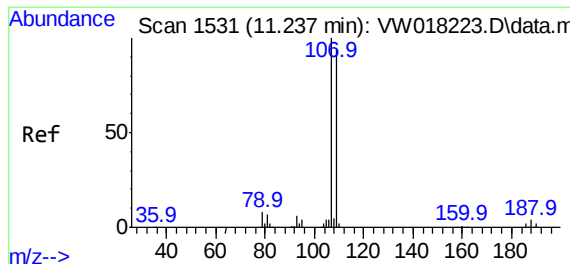
Tgt Ion: 43 Resp: 5116
Ion Ratio Lower Upper
43 100
58 58.4 42.7 64.1
57 23.4 15.8 23.8
100 16.9 10.0 15.0



#49
Dibromochloromethane
Concen: 1.16 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 129 Resp: 5701
Ion Ratio Lower Upper
129 100
127 77.5 51.7 95.9

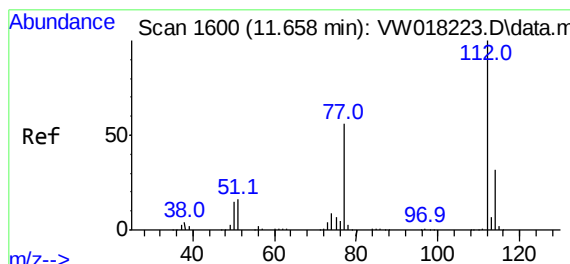
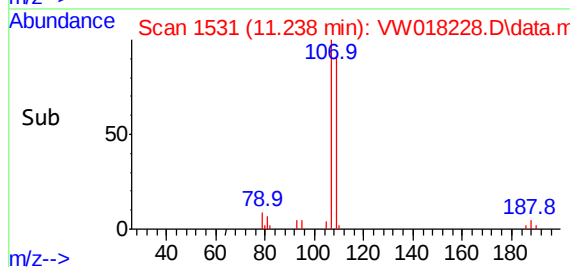
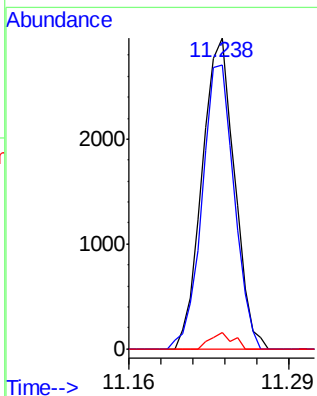
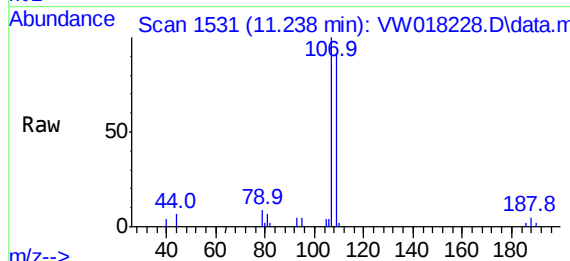




#50
1,2-Dibromoethane
Concen: 1.32 ug/L
RT: 11.238 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

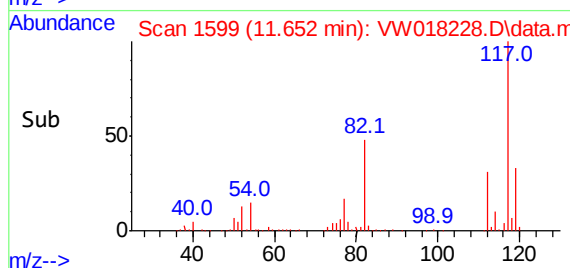
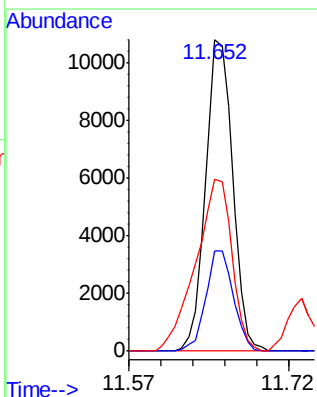
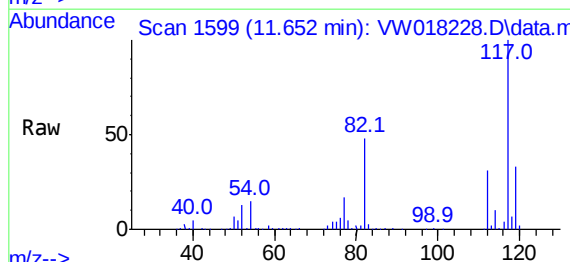
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

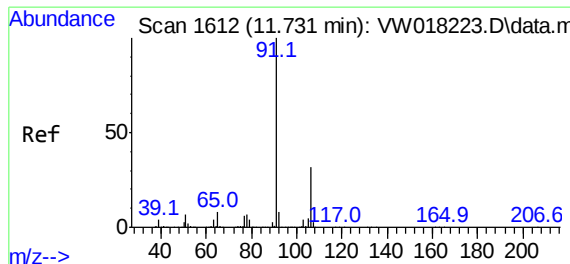
Tgt Ion:107 Resp: 5137
Ion Ratio Lower Upper
107 100
109 91.5 65.4 121.4
188 5.3 2.6 4.0#



#51
Chlorobenzene
Concen: 1.20 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:112 Resp: 18572
Ion Ratio Lower Upper
112 100
114 31.9 23.4 43.6
77 55.1 47.6 71.4

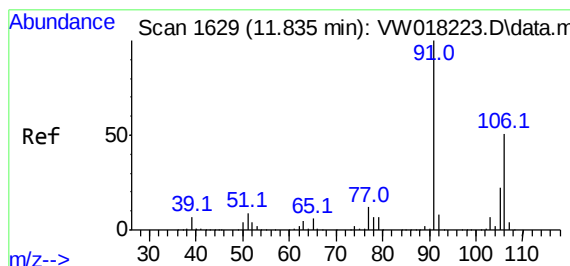
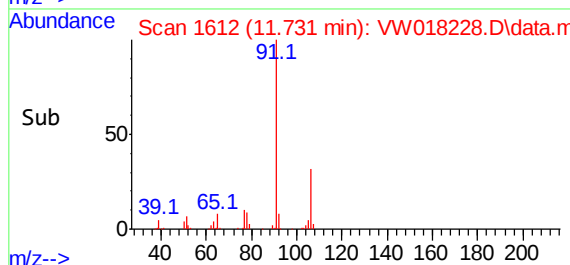
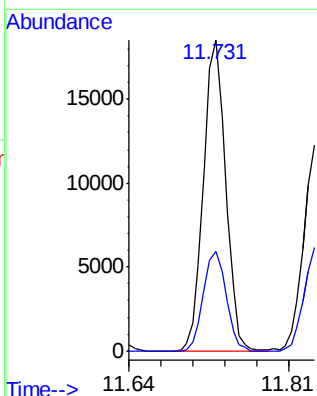
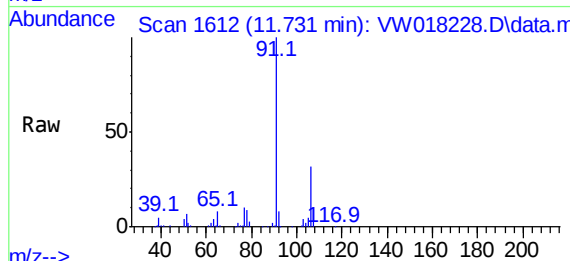




#52
Ethylbenzene
Concen: 1.13 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

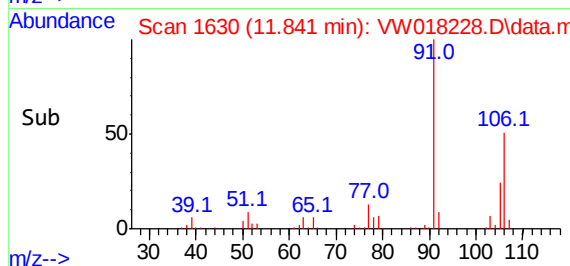
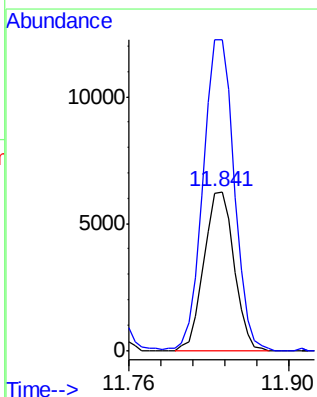
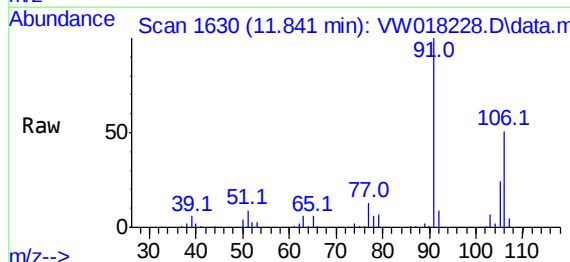
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

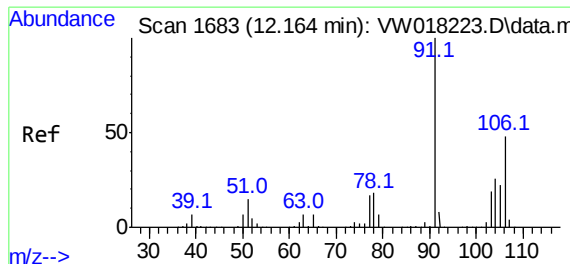
Tgt Ion: 91 Resp: 29611
Ion Ratio Lower Upper
91 100
106 32.0 22.5 41.7



#53
m,p-Xylene
Concen: 1.17 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 106 Resp: 11984
Ion Ratio Lower Upper
106 100
91 195.6 141.3 262.3

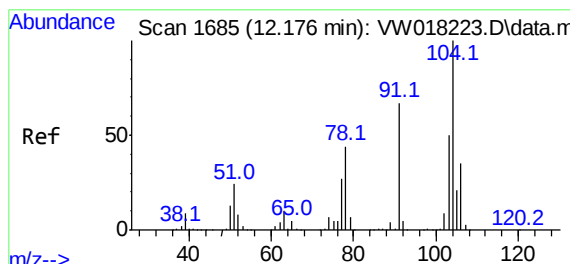
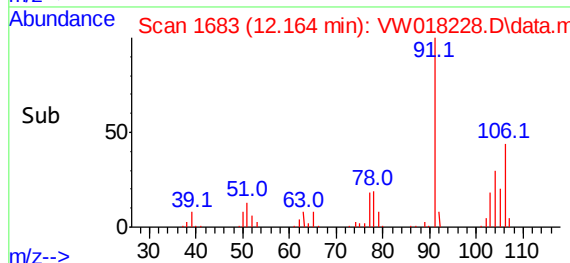
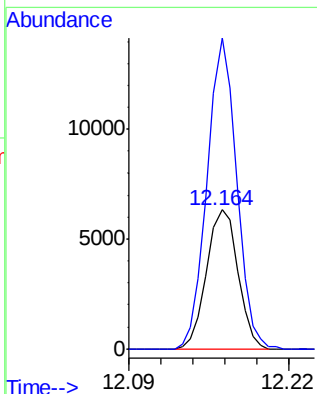
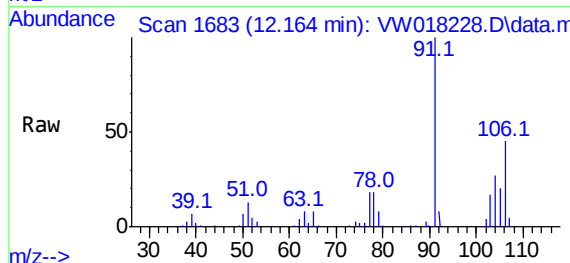




#54
o-Xylene
Concen: 1.10 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

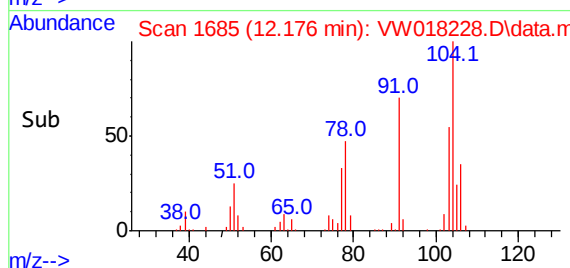
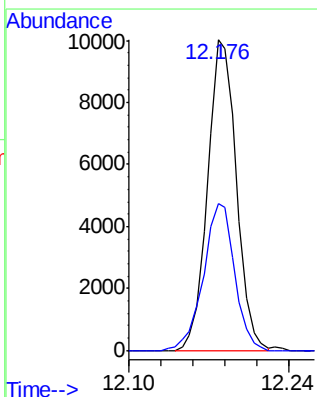
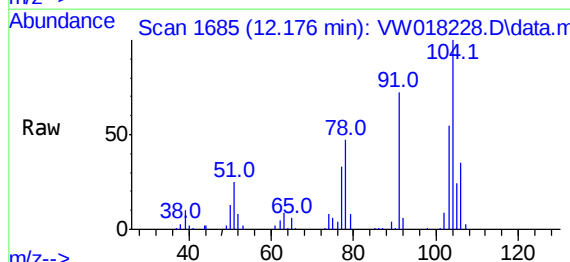
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

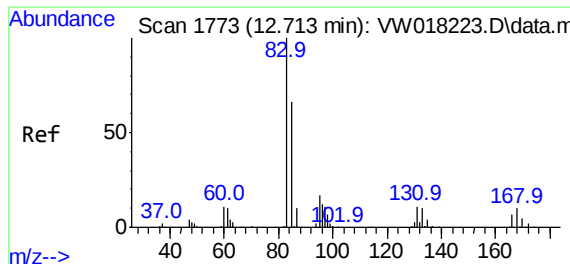
Tgt Ion:106 Resp: 10608
Ion Ratio Lower Upper
106 100
91 223.7 150.0 278.6



#55
Styrene
Concen: 1.06 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:104 Resp: 17198
Ion Ratio Lower Upper
104 100
78 47.2 32.5 60.3

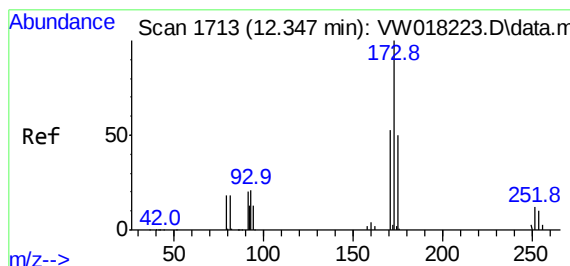
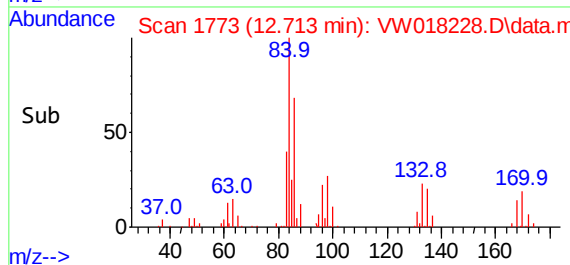
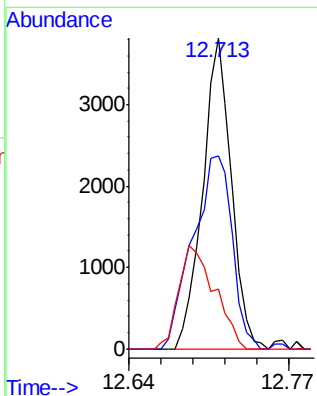
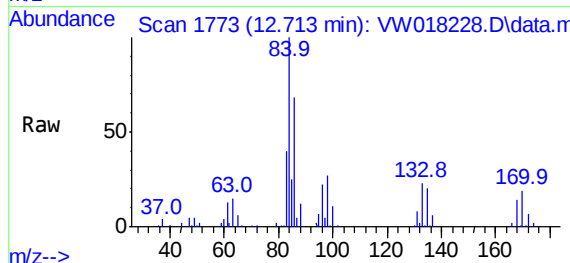




#57
1,1,2,2-Tetrachloroethane
Concen: 1.46 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

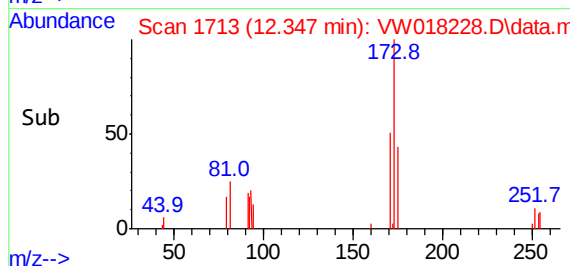
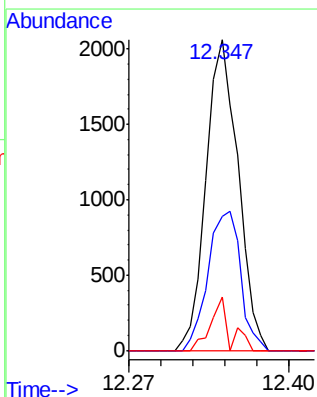
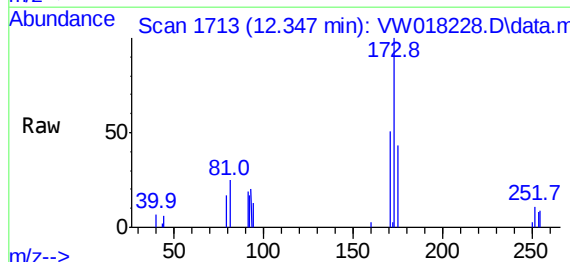
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

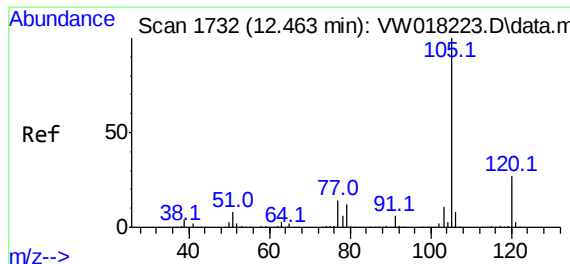
Tgt Ion: 83 Resp: 6492
Ion Ratio Lower Upper
83 100
85 61.9 44.4 82.4
131 19.2 8.2 12.4#



#59
Bromoform
Concen: 1.21 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 173 Resp: 3528
Ion Ratio Lower Upper
173 100
175 0.0 37.5 56.3#
254 7.5 7.0 10.4

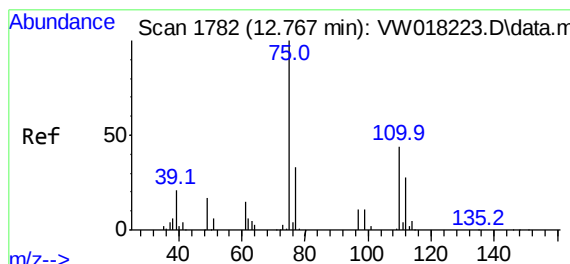
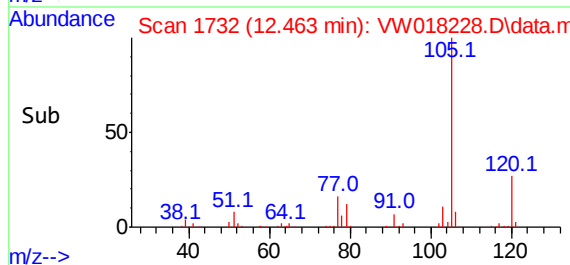
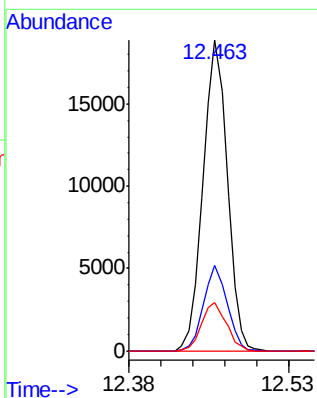
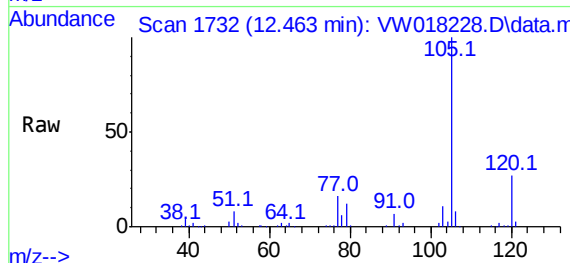




#60
Isopropylbenzene
Concen: 1.09 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

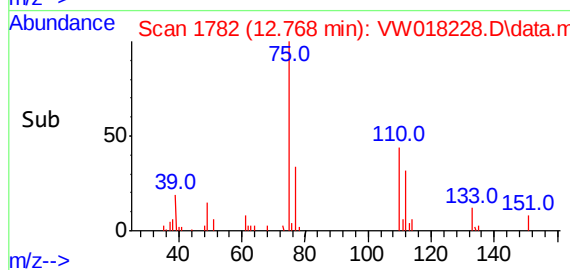
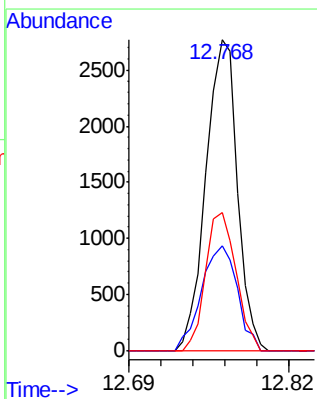
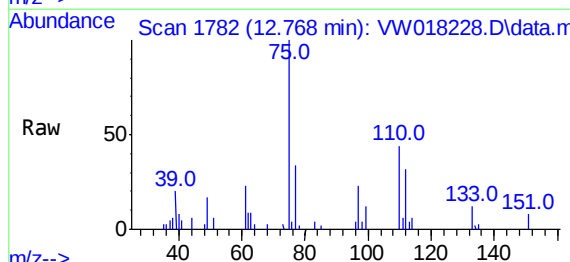
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

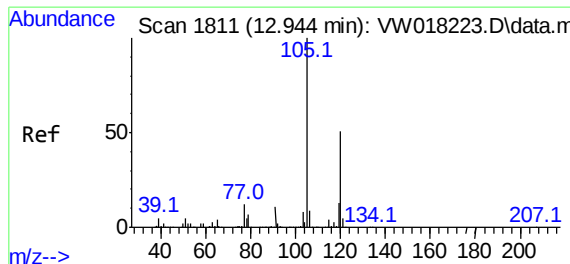
Tgt Ion:	105	Resp:	29104
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.1	31.7
77	15.9	13.2	19.8



#61
1,2,3-Trichloropropane
Concen: 1.39 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:	75	Resp:	4646
Ion	Ratio	Lower	Upper
75	100		
77	38.3	25.3	37.9
110	42.8	32.6	48.8

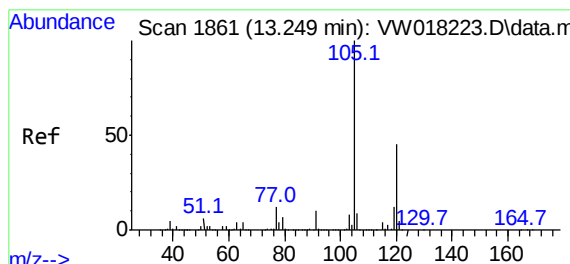
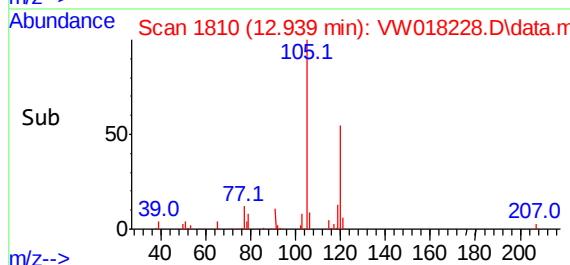
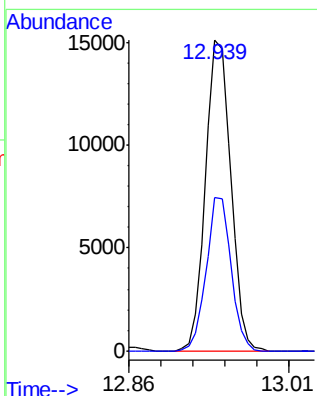
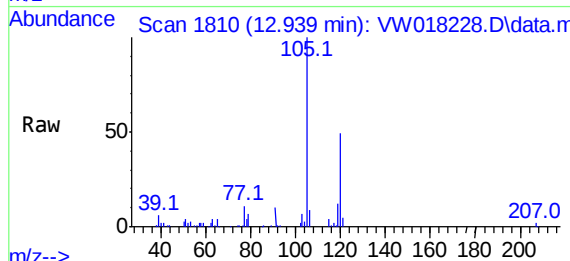




#62
1,3,5-Trimethylbenzene
Concen: 1.08 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

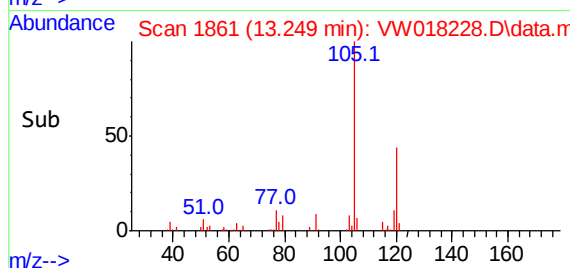
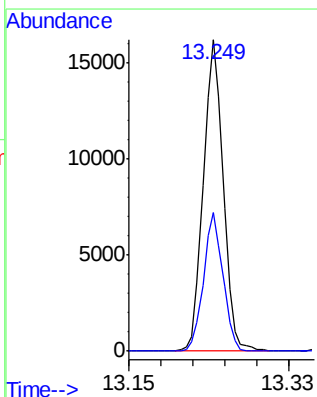
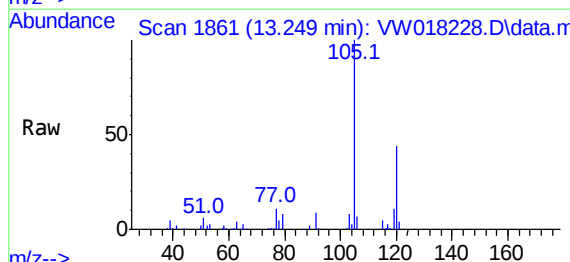
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

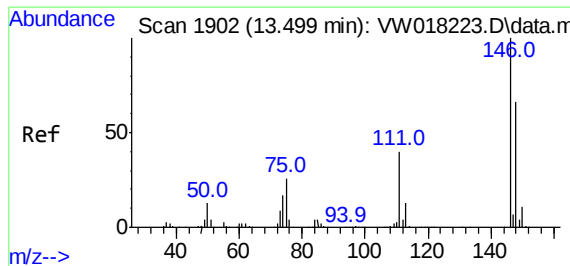
Tgt Ion:105 Resp: 24201
Ion Ratio Lower Upper
105 100
120 48.3 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.12 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:105 Resp: 24931
Ion Ratio Lower Upper
105 100
120 43.1 35.6 53.4

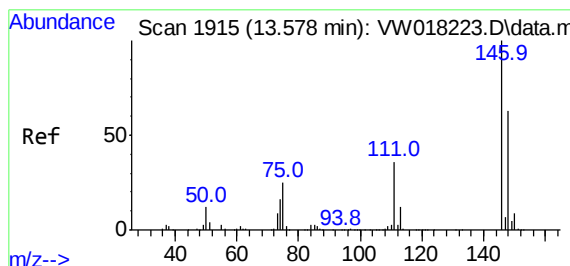
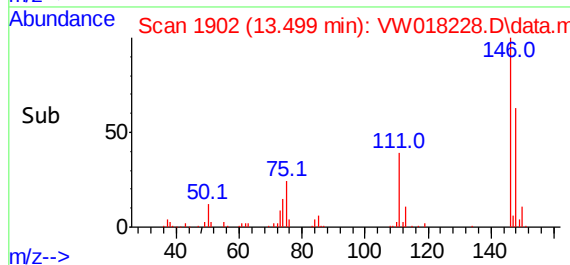
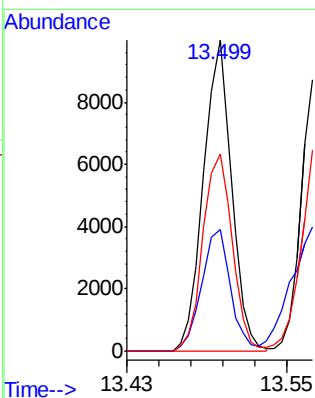
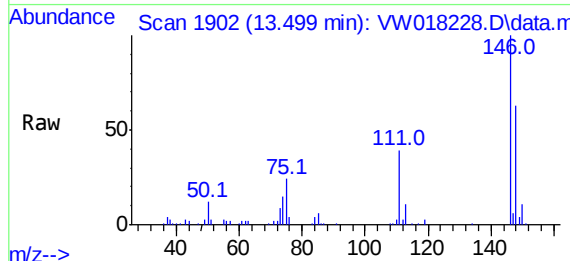




#64
1,3-Dichlorobenzene
Concen: 1.17 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

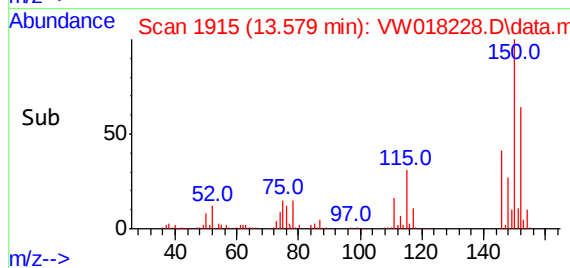
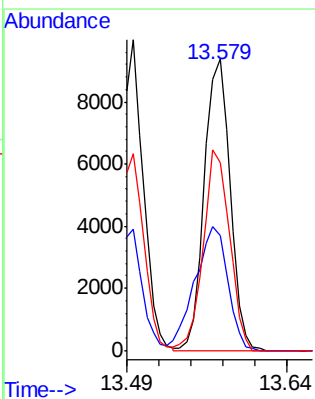
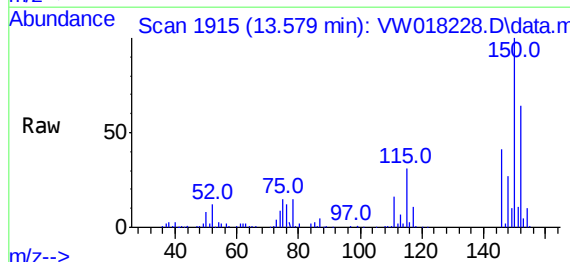
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

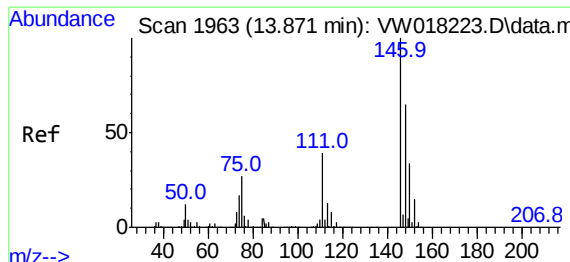
Tgt Ion:146 Resp: 14976
Ion Ratio Lower Upper
146 100
111 38.9 26.7 49.7
148 63.4 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 1.20 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.001 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:146 Resp: 15421
Ion Ratio Lower Upper
146 100
111 39.3 28.8 53.4
148 64.6 46.8 87.0

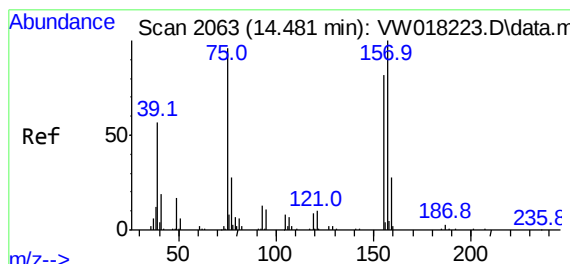
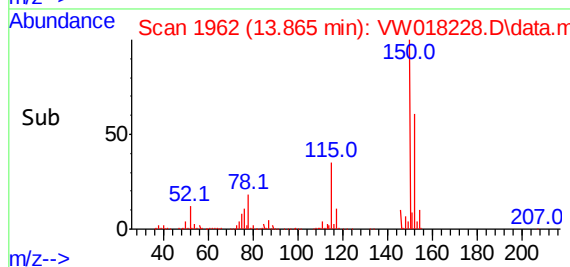
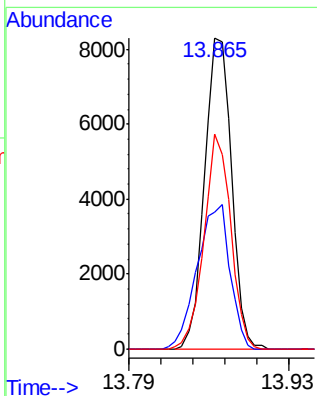
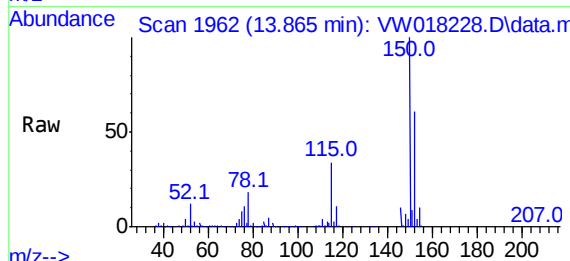




#67
1,2-Dichlorobenzene
Concen: 1.23 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

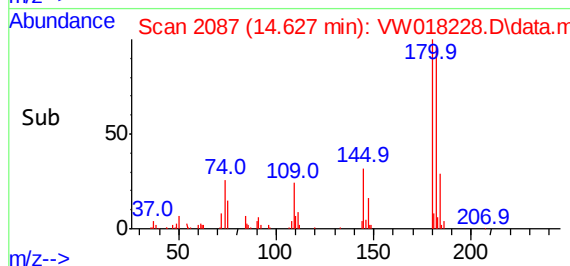
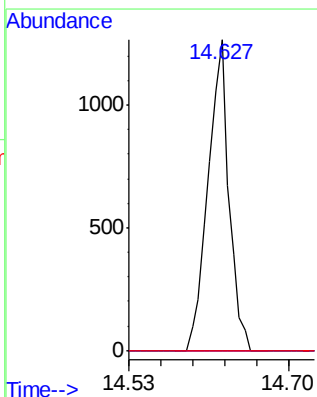
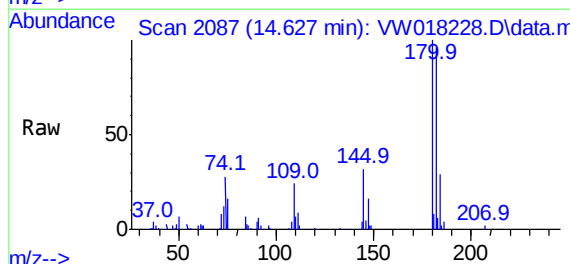
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

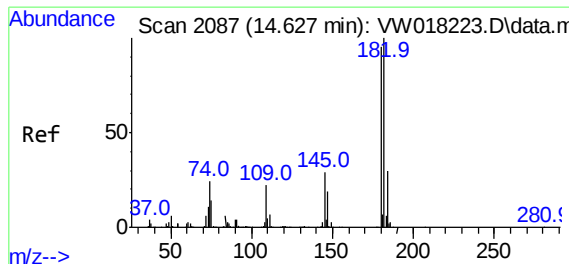
Tgt Ion:146 Resp: 14198
Ion Ratio Lower Upper
146 100
111 44.0 33.2 49.8
148 69.3 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.61 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.147 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion: 75 Resp: 1899
Ion Ratio Lower Upper
75 100
155 0.0 59.4 89.0#
157 0.0 72.2 108.2#

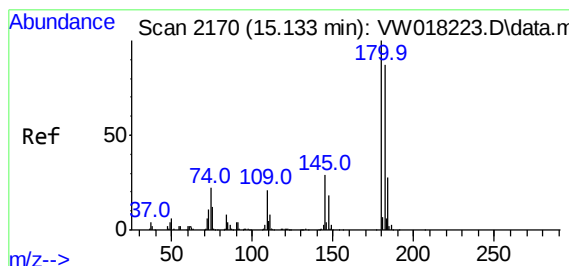
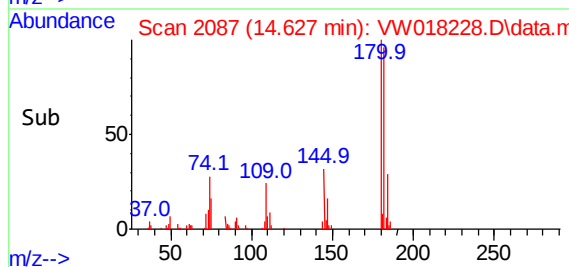
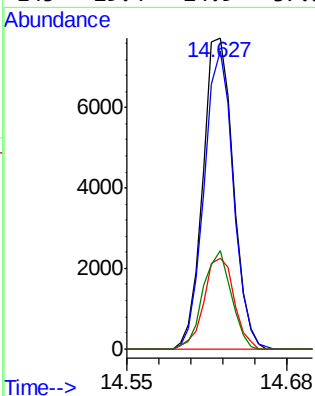
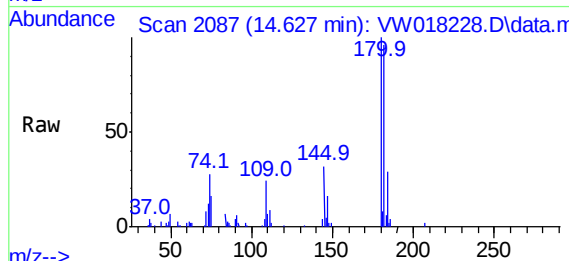




#69
 1,3,5-Trichlorobenzene
 Concen: 1.26 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. 0.000 min
 Lab File: VW018228.D
 Acq: 23 Feb 2021 15:37

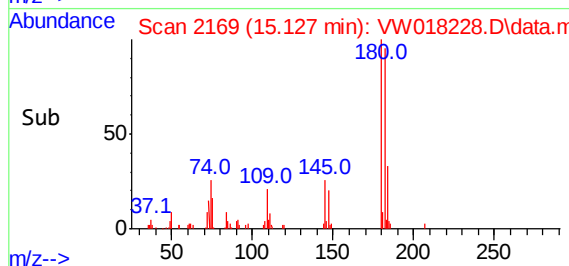
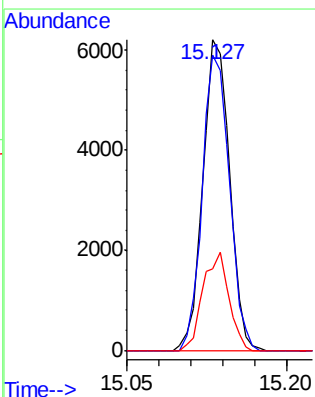
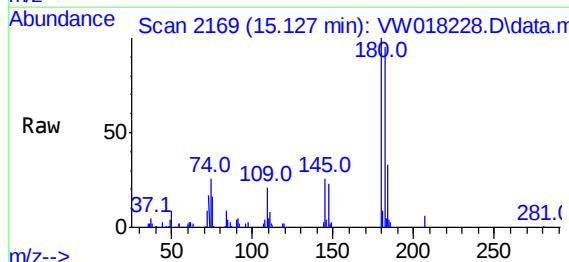
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-03

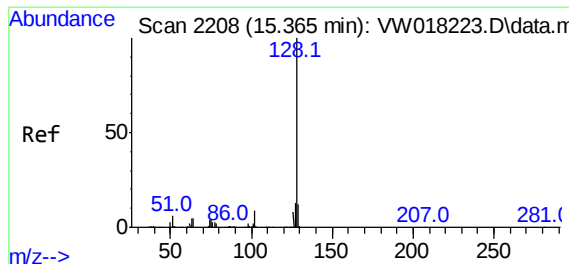
Tgt Ion:	180	Resp:	12462
Ion Ratio	Lower	Upper	
180	100		
182	92.7	73.4	110.2
184	29.2	23.6	35.4
145	29.4	24.9	37.3



#70
 1,2,4-trichlorobenzene
 Concen: 1.29 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.006 min
 Lab File: VW018228.D
 Acq: 23 Feb 2021 15:37

Tgt Ion:	180	Resp:	10521
Ion Ratio	Lower	Upper	
180	100		
182	96.5	74.7	112.1
145	30.7	25.0	37.4

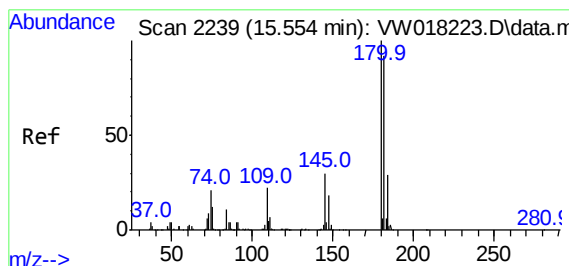
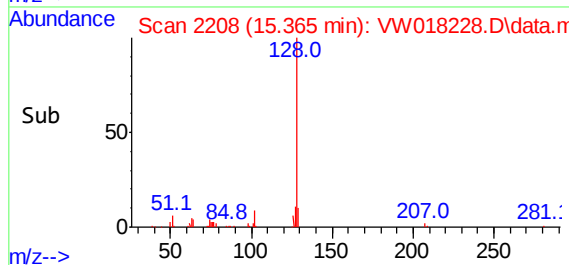
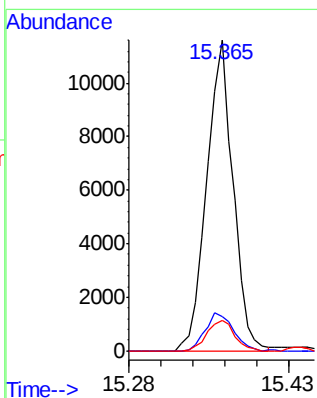
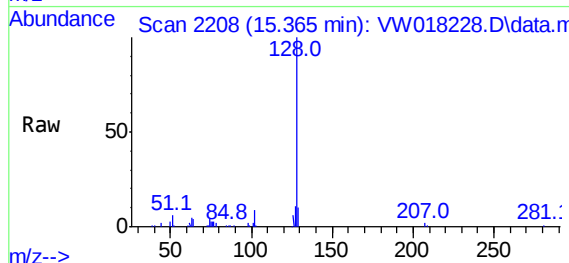




#71
Naphthalene
Concen: 1.35 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-03

Tgt Ion:	128	Resp:	19333
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.2	9.0	13.6



#72
1,2,3-Trichlorobenzene
Concen: 1.37 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VW018228.D
Acq: 23 Feb 2021 15:37

Tgt Ion:	180	Resp:	9770
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.7	115.1
145	32.4	28.9	43.3

