

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022521\
 Data File : VW018238.D
 Acq On : 25 Feb 2021 10:31
 Operator : SY/VA
 Sample : M1344-04
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Quant Time: Feb 26 07:03:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022321SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Feb 26 07:02:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	437715	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	403793	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	206021	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	113907	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.20%
7) Chloroethane-d5	2.891	69	87688	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
11) 1,1-Dichloroethene-d2	4.019	63	173188	17.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.56%
21) 2-Butanone-d5	7.080	46	57447	54.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.28%
24) Chloroform-d	7.647	84	235462	22.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.64%
26) 1,2-Dichloroethane-d4	8.305	65	125375	23.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	8.275	84	480673	22.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.44%
36) 1,2-Dichloropropane-d6	9.274	67	133081	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
41) Toluene-d8	10.323	98	454902	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.36%
43) trans-1,3-Dichloroprop...	10.579	79	60208	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.48%
47) 2-Hexanone-d5	10.920	63	49471	53.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.92%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	116995	24.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.20%
66) 1,2-Dichlorobenzene-d4	13.853	152	168614	22.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.48%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.007	85	4538	0.87	ug/L #	86
3) Chloromethane	2.215	50	4447	1.11	ug/L	97
5) Vinyl chloride	2.367	62	6388	1.11	ug/L #	54
6) Bromomethane	2.788	94	4275	1.07	ug/L	98
8) Chloroethane	2.922	64	3485	1.09	ug/L	90
9) Trichlorofluoromethane	3.263	101	3930	0.96	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	7821	1.40	ug/L #	79
12) 1,1-Dichloroethene	4.050	96	7265	1.34	ug/L #	1
13) Acetone	4.123	43	2538	3.58	ug/L	83
14) Carbon disulfide	4.397	76	16212	0.98	ug/L #	93
15) Methyl Acetate	4.690	43	2330	1.26	ug/L	94
16) Methylene chloride	4.921	84	13182	2.22	ug/L	89
17) trans-1,2-Dichloroethene	5.428	96	5987	1.04	ug/L	86
18) Methyl tert-butyl Ether	5.421	73	6163	1.07	ug/L #	70
19) 1,1-Dichloroethane	6.214	63	9118	1.01	ug/L	92
20) cis-1,2-Dichloroethene	7.171	96	6174	1.03	ug/L	78
22) 2-Butanone	7.177	43	3144	2.79	ug/L	85
23) Bromochloromethane	7.519	128	2950	1.03	ug/L #	72
25) Chloroform	7.677	83	10375	1.05	ug/L	91
27) 1,2-Dichloroethane	8.396	62	6655	1.12	ug/L	98

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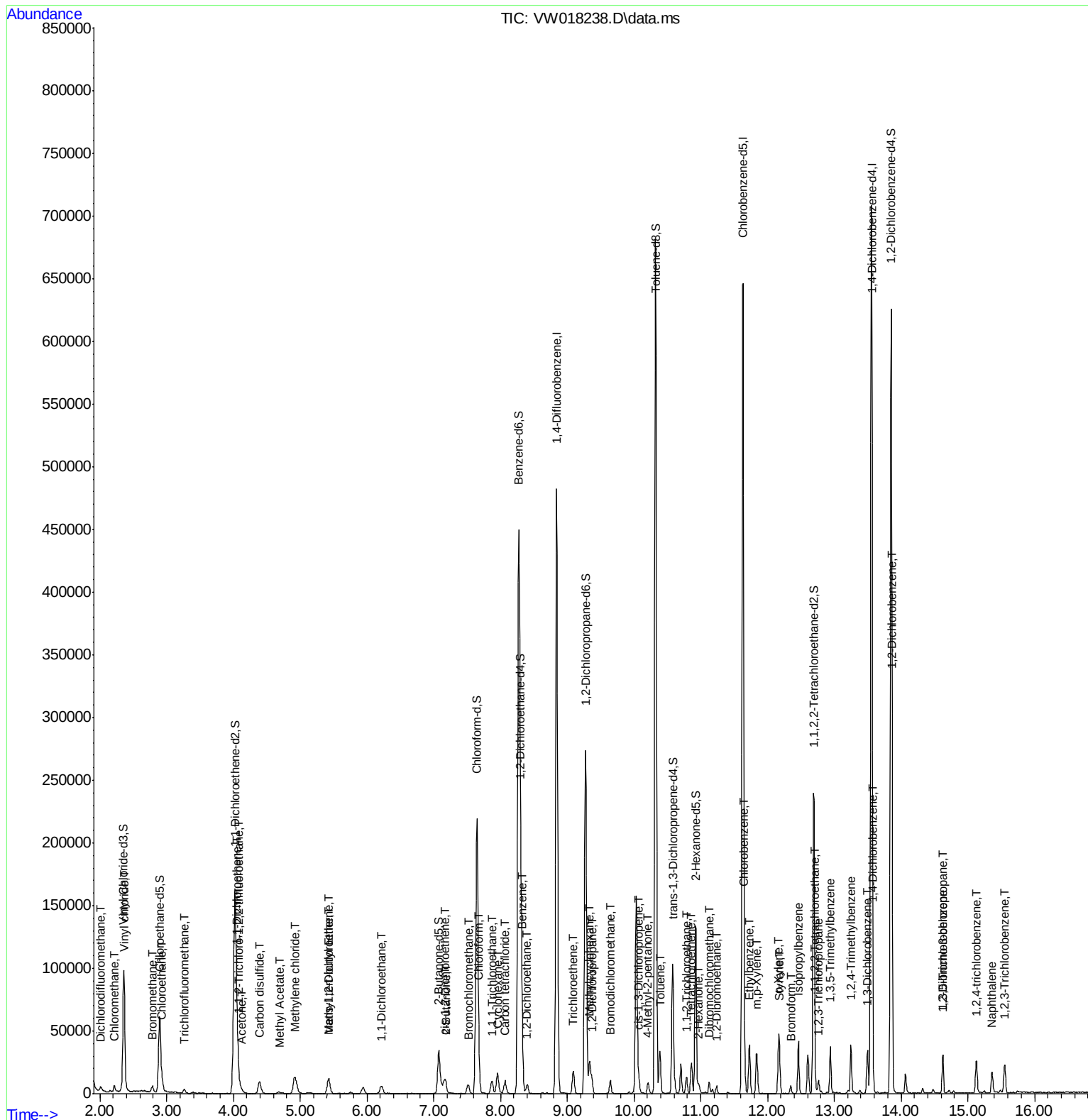
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.951	56	8575	1.06	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	8591	1.06	ug/L #	74
31) Carbon tetrachloride	8.067	117	8287	1.05	ug/L	100
33) Benzene	8.323	78	22717	1.05	ug/L	100
34) Trichloroethene	9.091	95	6481	1.08	ug/L	91
35) Methylcyclohexane	9.335	83	10102	1.01	ug/L	98
37) 1,2-Dichloropropane	9.372	63	5149	1.03	ug/L	99
38) Bromodichloromethane	9.646	83	6957	1.00	ug/L #	98
39) cis-1,3-Dichloropropene	10.073	75	7869	0.99	ug/L	100
40) 4-Methyl-2-pentanone	10.207	43	5733	2.27	ug/L #	88
42) Toluene	10.390	91	25038	1.05	ug/L	89
45) 1,1,2-Trichloroethane	10.786	97	4572	1.12	ug/L	94
46) Tetrachloroethene	10.859	164	5942	1.11	ug/L	92
48) 2-Hexanone	10.969	43	4427	2.56	ug/L #	88
49) Dibromochloromethane	11.128	129	4856	0.96	ug/L	97
50) 1,2-Dibromoethane	11.231	107	4466	1.12	ug/L #	86
51) Chlorobenzene	11.652	112	16793	1.06	ug/L	96
52) Ethylbenzene	11.731	91	27543	1.03	ug/L	96
53) m,p-Xylene	11.841	106	11175	1.07	ug/L	88
54) o-Xylene	12.164	106	9890	1.00	ug/L	91
55) Styrene	12.182	104	15718	0.95	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	5633	1.23	ug/L #	97
59) Bromoform	12.347	173	2972	1.01	ug/L	92
60) Isopropylbenzene	12.463	105	26632	0.99	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	3985	1.18	ug/L #	83
62) 1,3,5-Trimethylbenzene	12.944	105	21406	0.95	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	20982	0.93	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	13702	1.06	ug/L	97
65) 1,4-Dichlorobenzene	13.578	146	14178	1.09	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	12826	1.11	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.621	75	1596	2.18	ug/L #	8
69) 1,3,5-Trichlorobenzene	14.627	180	10012	1.01	ug/L	90
70) 1,2,4-trichlorobenzene	15.133	180	9283	1.13	ug/L	95
71) Naphthalene	15.359	128	15407	1.07	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8146	1.13	ug/L	96

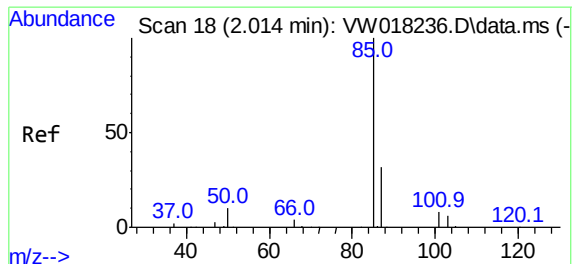
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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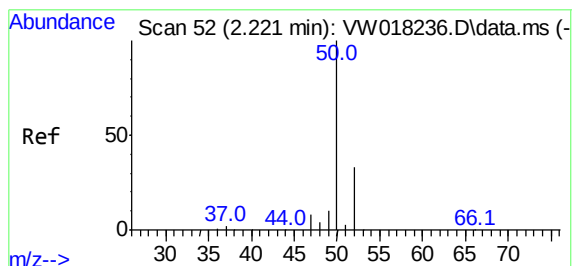
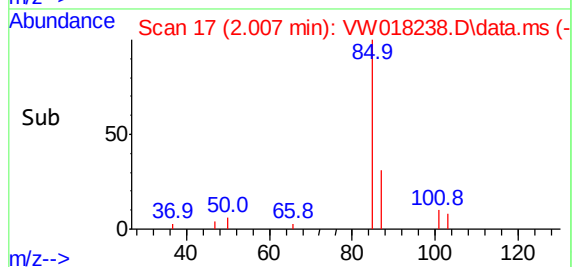
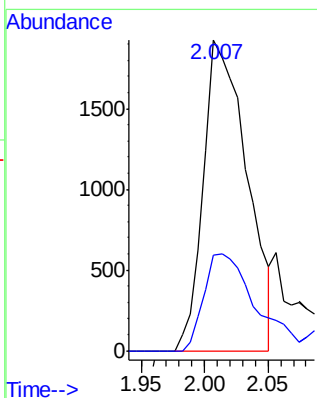
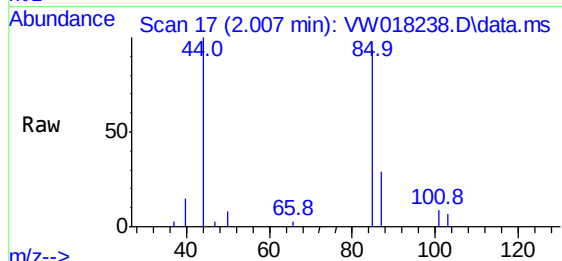




#2
Dichlorodifluoromethane
Concen: 0.87 ug/L
RT: 2.007 min Scan# 17
Delta R.T. -0.007 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

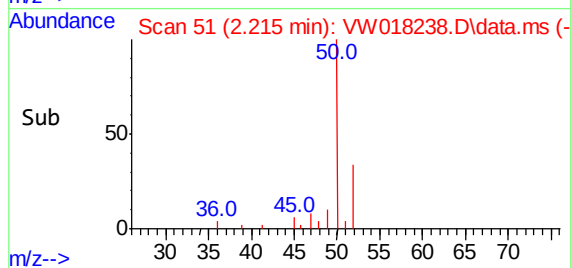
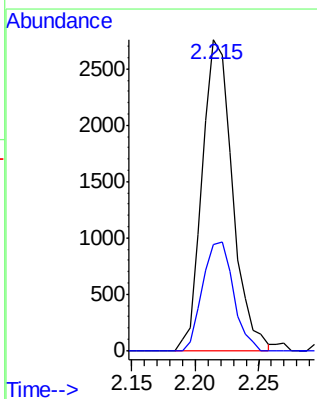
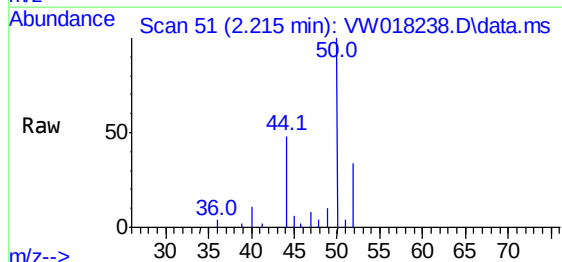
Instrument :
MSVOA_W
ClientSampleId :
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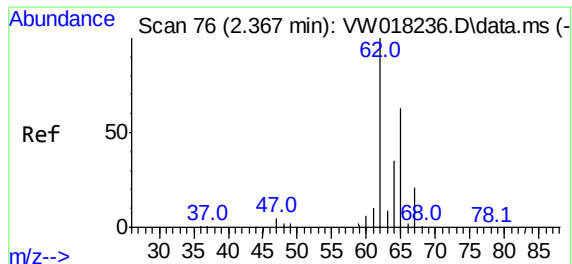
Tgt Ion: 85 Resp: 4538
Ion Ratio Lower Upper
85 100
87 36.6 23.3 34.9#



#3
Chloromethane
Concen: 1.11 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 50 Resp: 4447
Ion Ratio Lower Upper
50 100
52 34.1 22.5 41.9

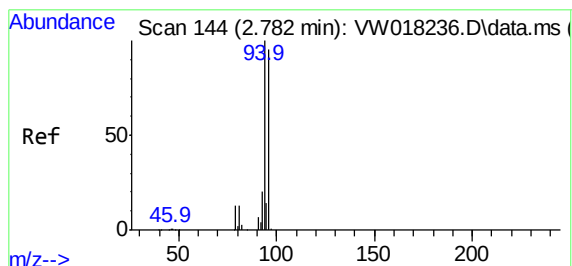
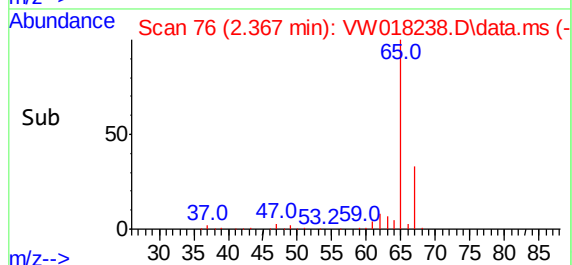
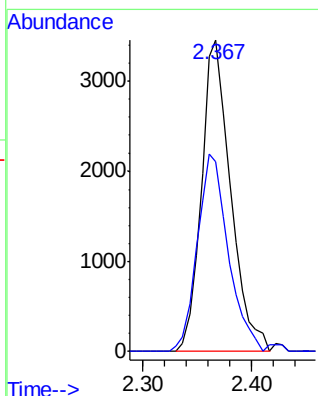
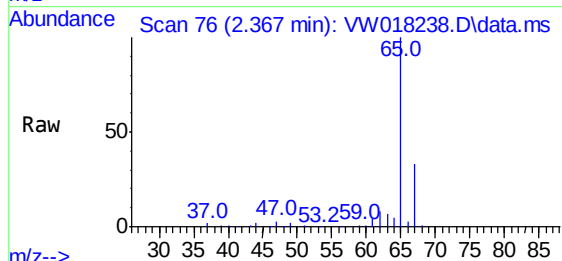




#5
 Vinyl chloride
 Concen: 1.11 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

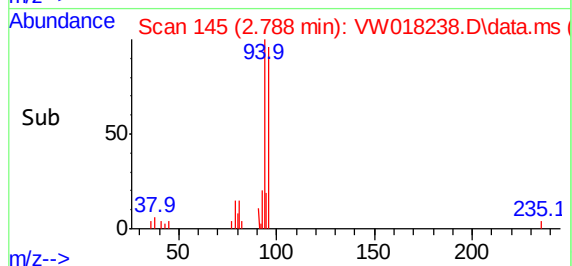
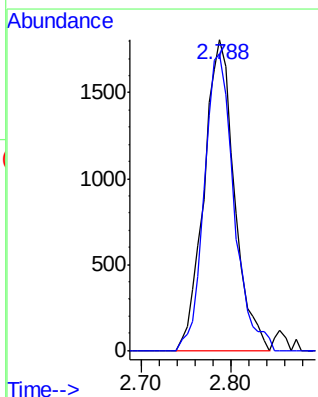
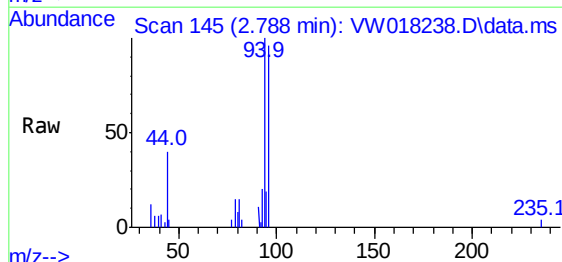
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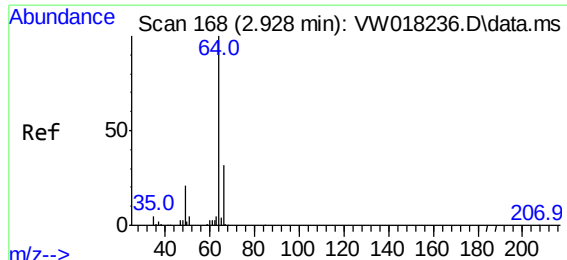
Tgt Ion: 62 Resp: 6388
 Ion Ratio Lower Upper
 62 100
 64 61.0 24.2 45.0#



#6
 Bromomethane
 Concen: 1.07 ug/L
 RT: 2.788 min Scan# 145
 Delta R.T. 0.006 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Tgt Ion: 94 Resp: 4275
 Ion Ratio Lower Upper
 94 100
 96 95.6 65.3 121.3

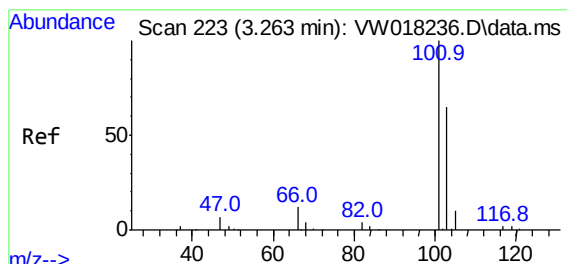
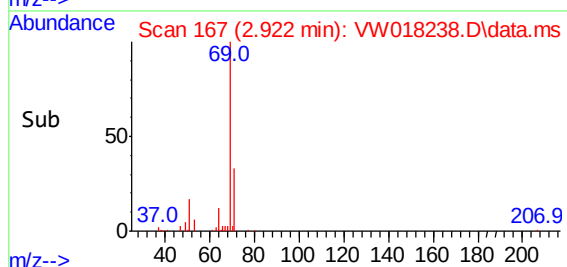
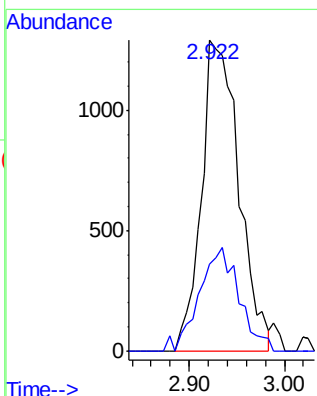
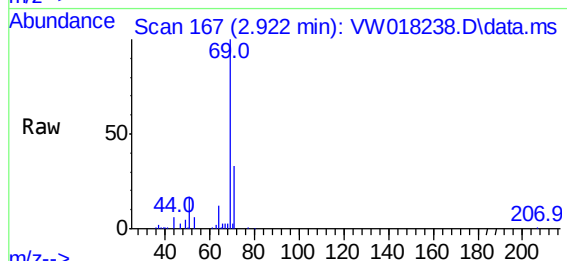




#8
Chloroethane
Concen: 1.09 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

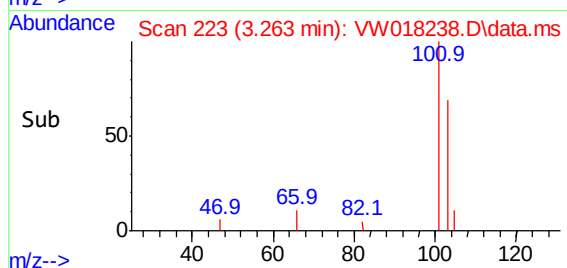
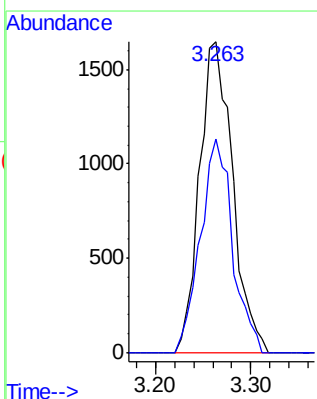
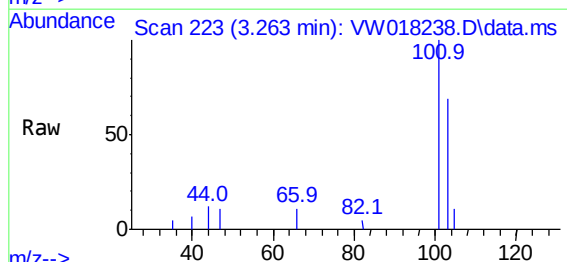
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

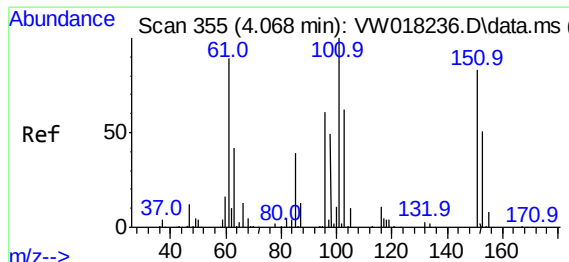
Tgt Ion: 64 Resp: 3485
Ion Ratio Lower Upper
64 100
66 27.9 23.4 43.6



#9
Trichlorofluoromethane
Concen: 0.96 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 101 Resp: 3930
Ion Ratio Lower Upper
101 100
103 66.8 51.0 76.4





#10

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

Concen: 1.40 ug/L

RT: 4.074 min Scan# 356

Delta R.T. 0.006 min

Lab File: VW018238.D

Acq: 25 Feb 2021 10:31

Instrument :

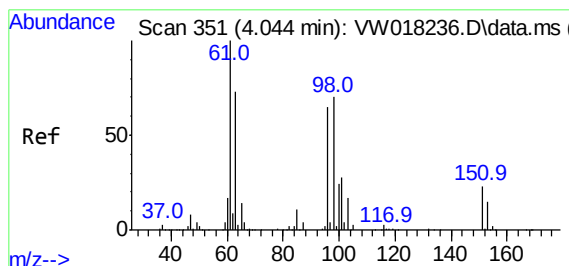
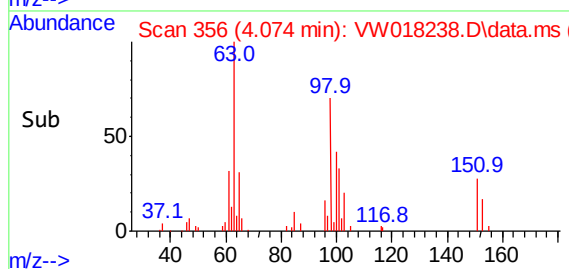
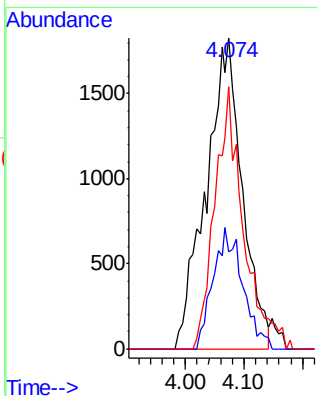
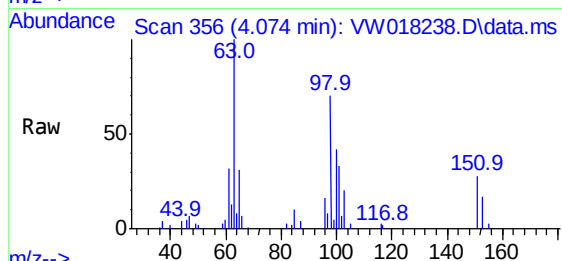
MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2021-04

Tgt Ion:101 Resp: 7821

Ion	Ratio	Lower	Upper
101	100		
85	17.6	38.2	57.2#
151	66.4	56.6	85.0



#12

1,1-Dichloroethene

Concen: 1.34 ug/L

RT: 4.050 min Scan# 352

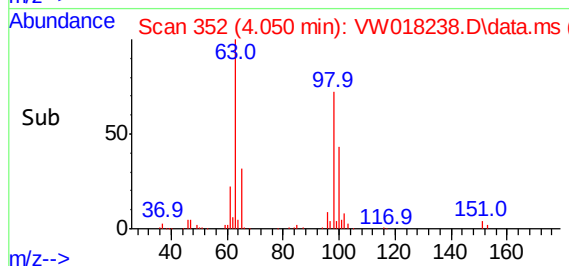
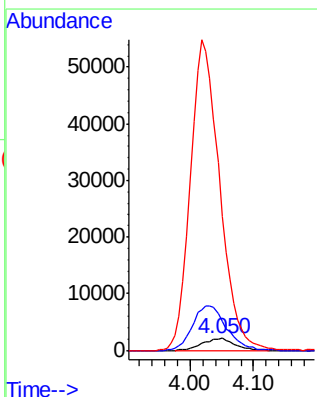
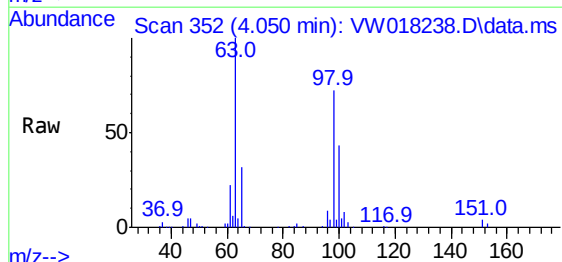
Delta R.T. 0.006 min

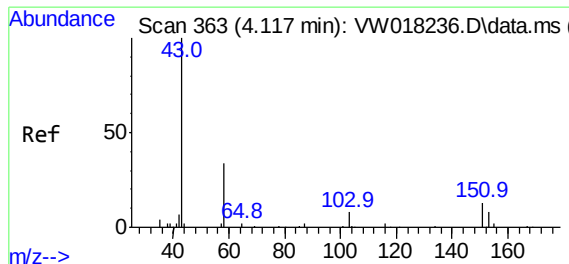
Lab File: VW018238.D

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Tgt Ion: 96 Resp: 7265

Ion	Ratio	Lower	Upper
96	100		
61	238.3	118.1	219.3#
63	1085.5	83.7	155.5#

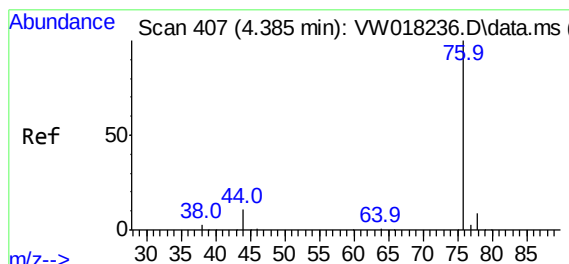
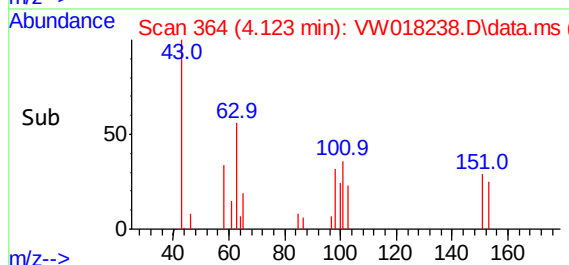
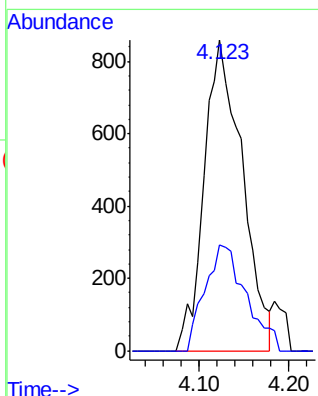
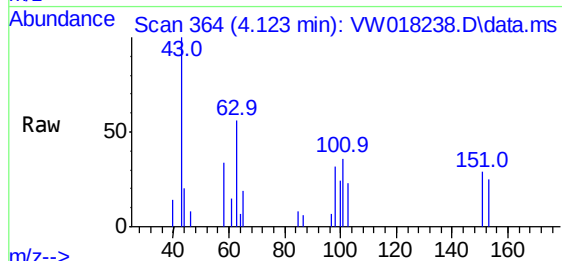




#13
Acetone
Concen: 3.58 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

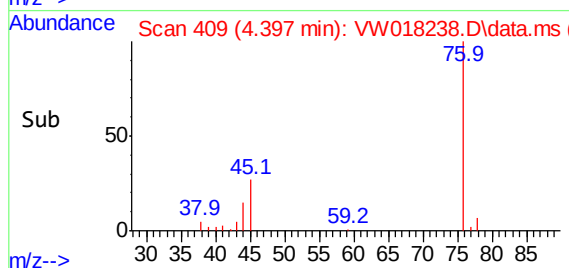
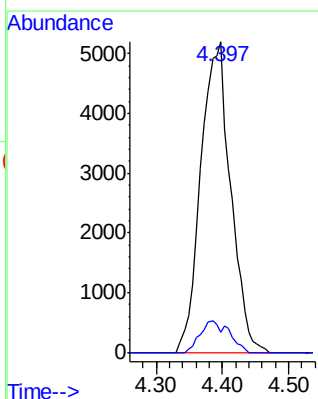
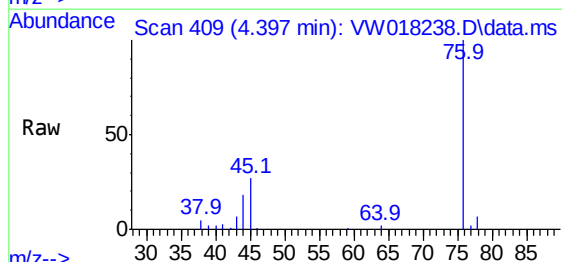
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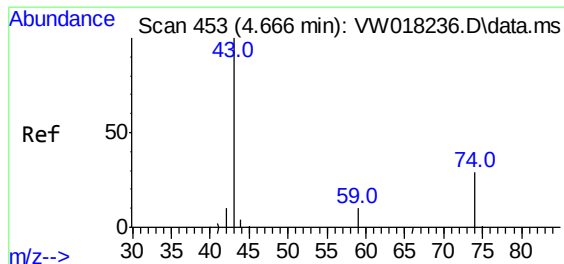
Tgt Ion: 43 Resp: 2538
Ion Ratio Lower Upper
43 100
58 35.6 0.0 53.8



#14
Carbon disulfide
Concen: 0.98 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.012 min
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Tgt Ion: 76 Resp: 16212
Ion Ratio Lower Upper
76 100
78 6.5 7.4 11.0#

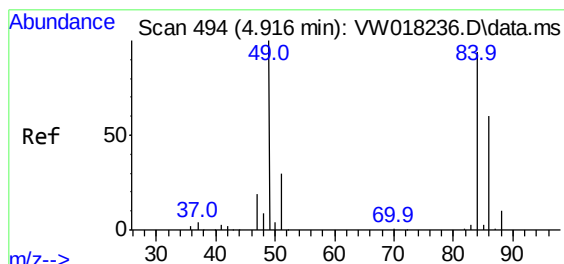
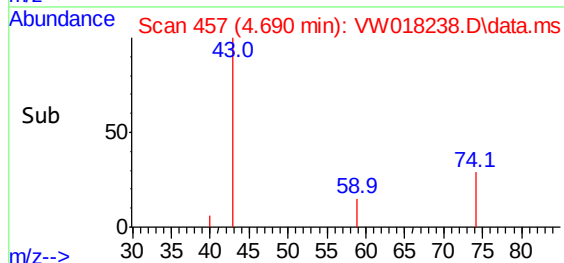
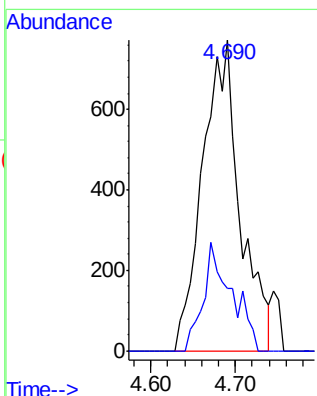
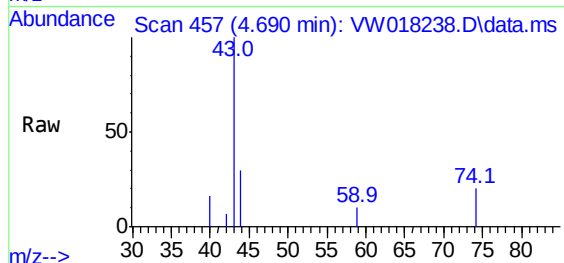




#15
Methyl Acetate
Concen: 1.26 ug/L
RT: 4.690 min Scan# 457
Delta R.T. 0.024 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

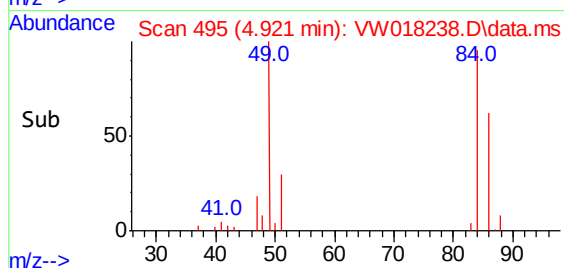
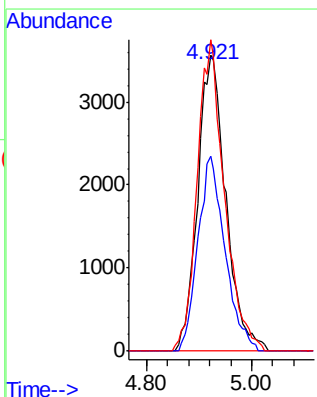
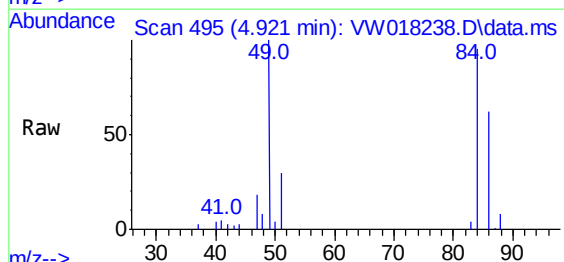
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

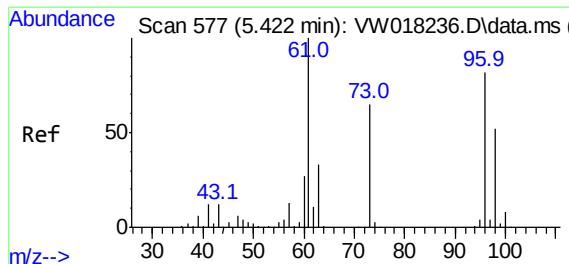
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 21.8 20.0 30.0



#16
Methylene chloride
Concen: 2.22 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 84 Resp: 13182
Ion Ratio Lower Upper
84 100
86 65.6 45.3 84.1
49 105.3 86.6 160.8

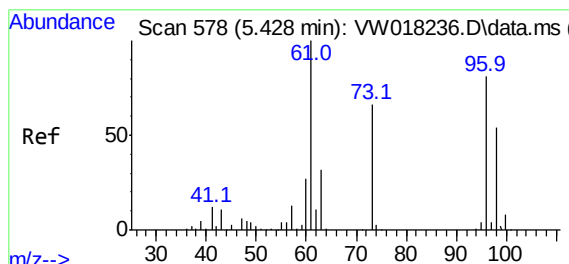
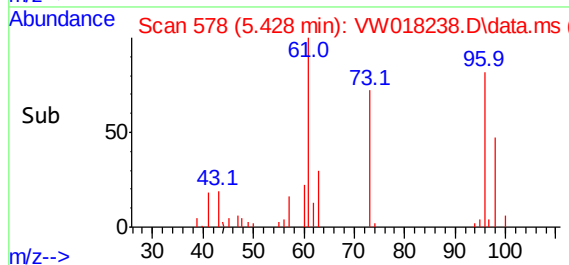
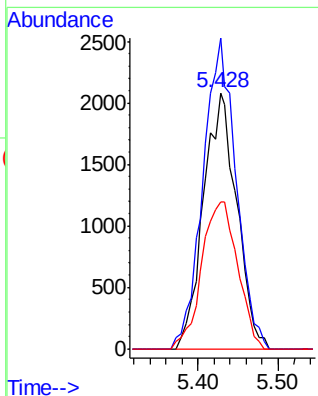
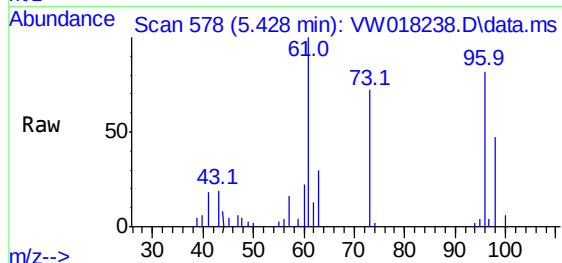




#17
trans-1,2-Dichloroethene
Concen: 1.04 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

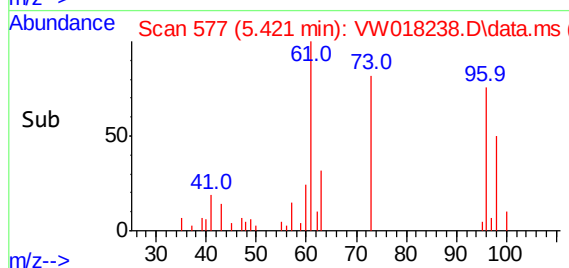
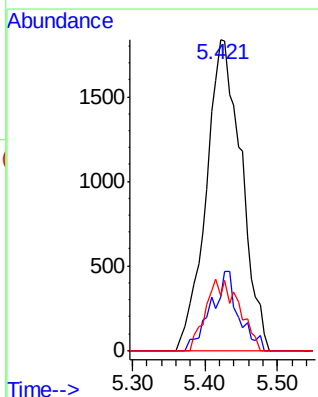
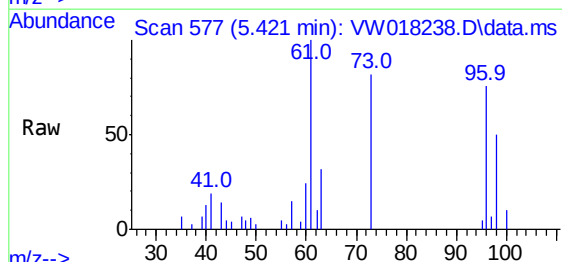
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

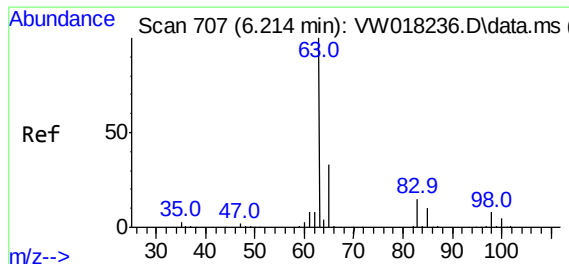
Tgt Ion: 96 Resp: 5987
Ion Ratio Lower Upper
96 100
61 121.2 98.3 182.7
98 57.1 46.1 85.7



#18
Methyl tert-butyl Ether
Concen: 1.07 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 73 Resp: 6163
Ion Ratio Lower Upper
73 100
43 4.4 17.7 26.5#
57 10.4 17.0 25.4#

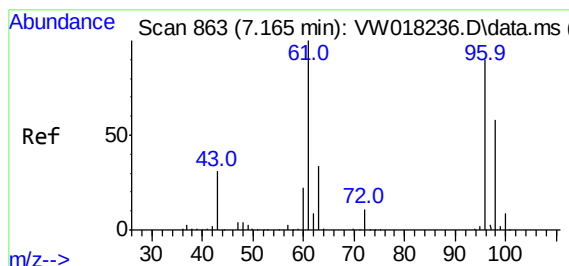
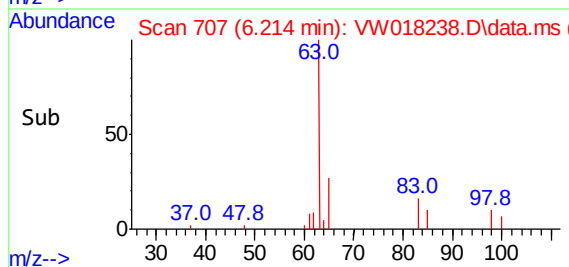
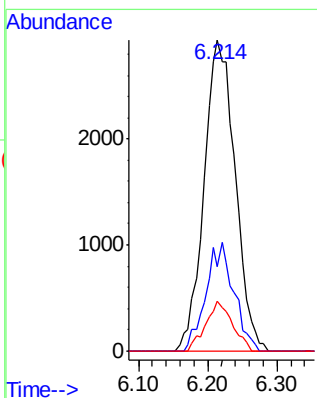
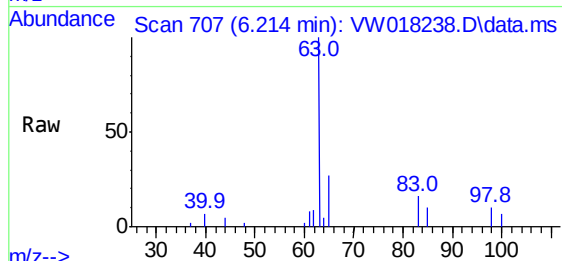




#19
1,1-Dichloroethane
Concen: 1.01 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

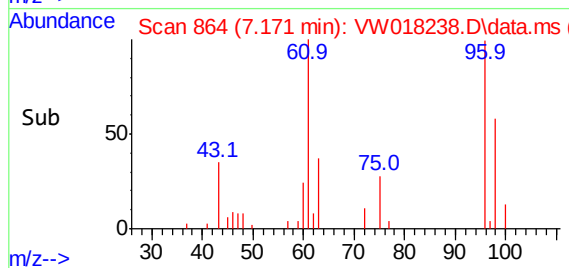
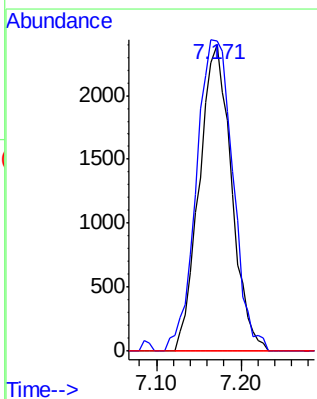
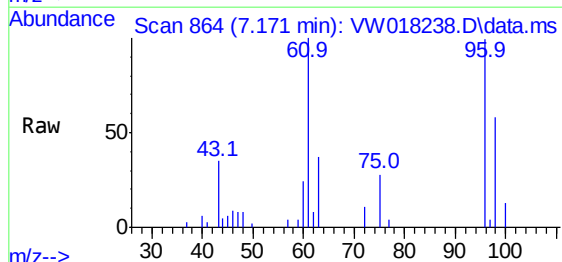
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

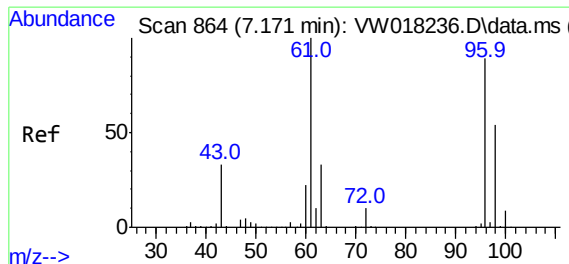
Tgt Ion:	63	Resp:	9118
Ion	Ratio	Lower	Upper
63	100		
65	27.1	22.9	42.5
83	16.0	10.2	19.0



#20
cis-1,2-Dichloroethene
Concen: 1.03 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:	96	Resp:	6174
Ion	Ratio	Lower	Upper
96	100		
61	101.2	88.5	164.3
68	0.0	0.0	0.0

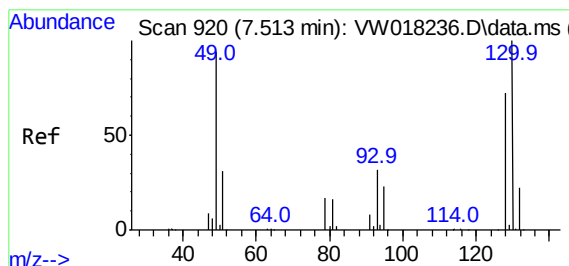
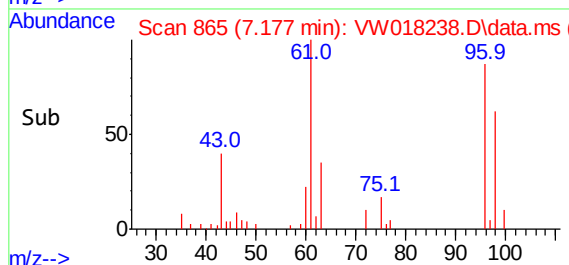
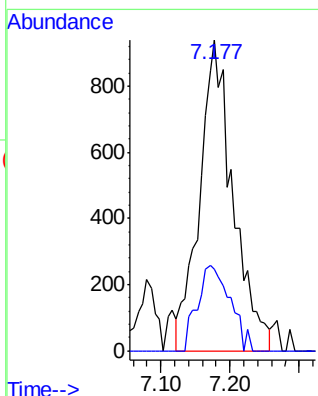
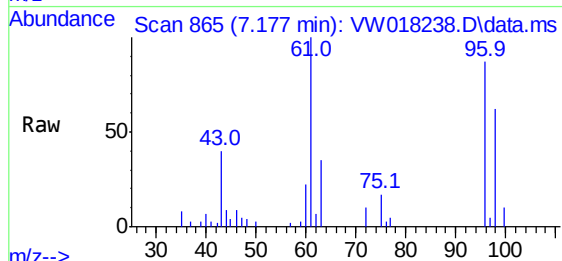




#22
2-Butanone
Concen: 2.79 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

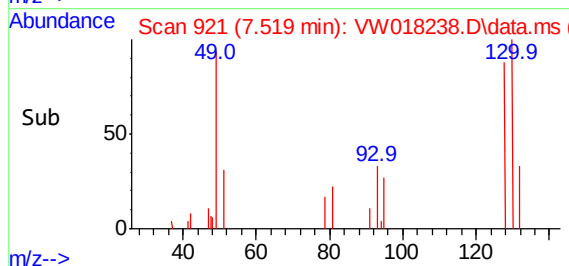
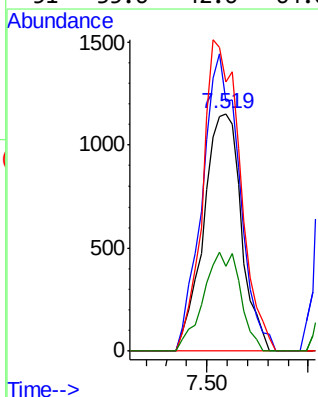
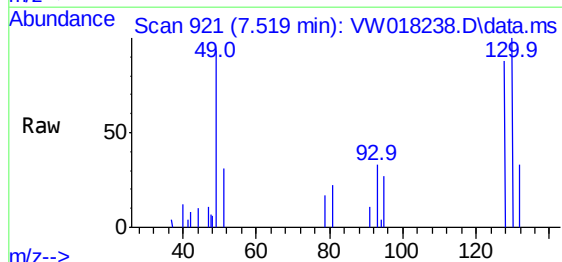
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

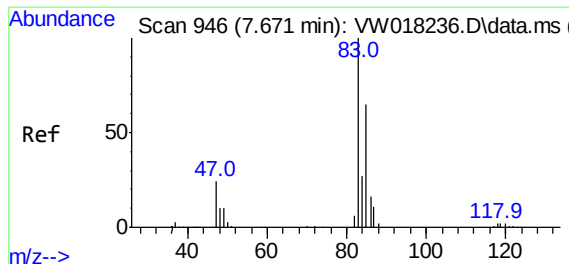
Tgt Ion: 43 Resp: 3144
Ion Ratio Lower Upper
43 100
72 21.9 14.9 44.7



#23
Bromochloromethane
Concen: 1.03 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 128 Resp: 2950
Ion Ratio Lower Upper
128 100
49 105.3 116.3 215.9#
130 113.3 82.4 153.0
51 35.6 42.6 64.0#

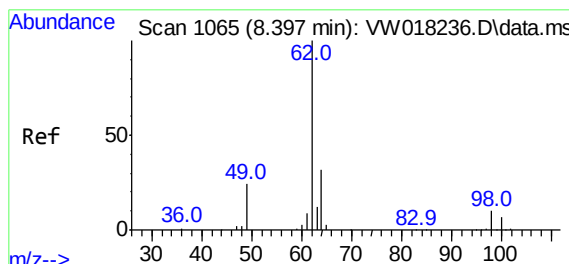
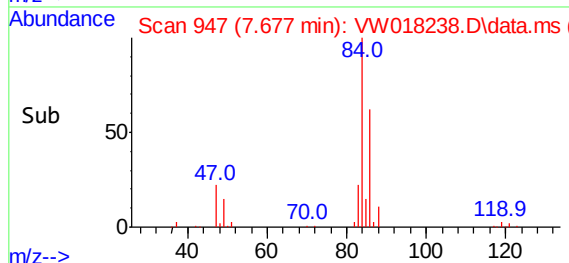
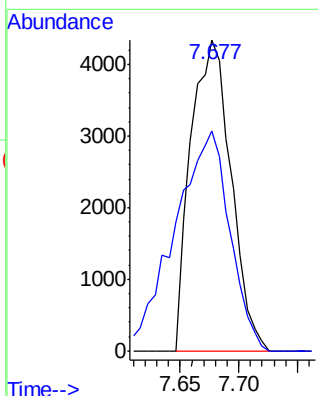
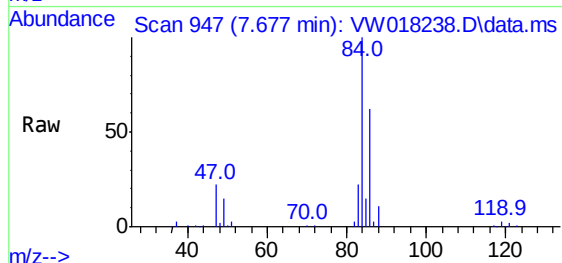




#25
Chloroform
Concen: 1.05 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

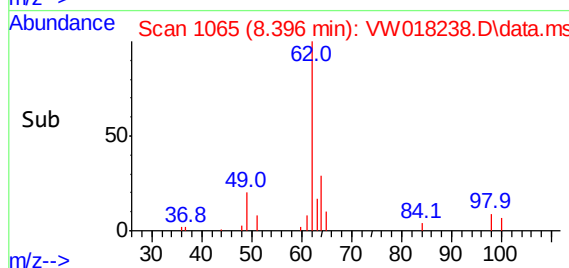
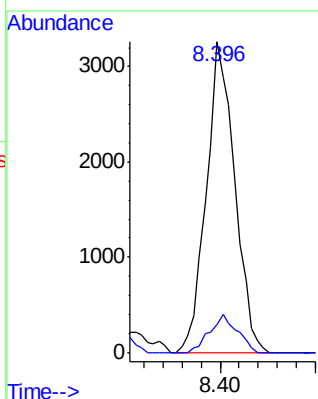
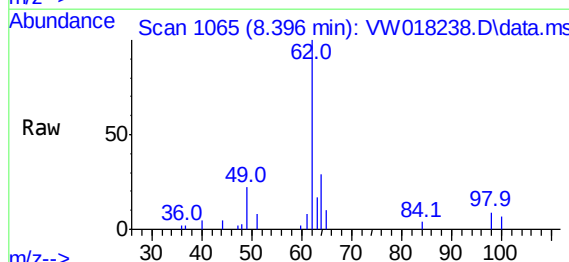
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

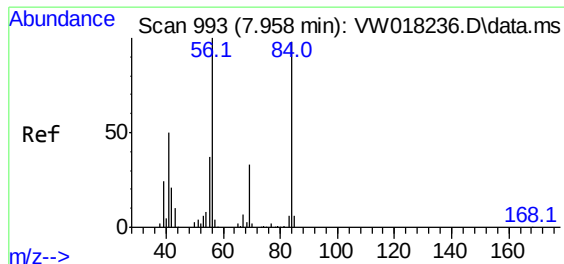
Tgt Ion: 83 Resp: 10375
Ion Ratio Lower Upper
83 100
85 70.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 1.12 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 62 Resp: 6655
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3

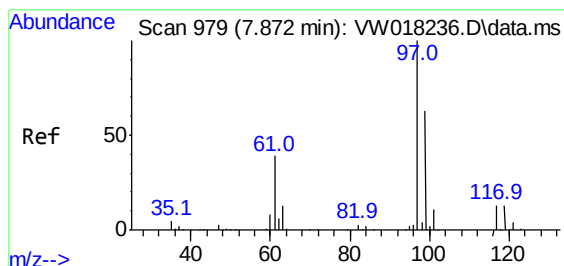
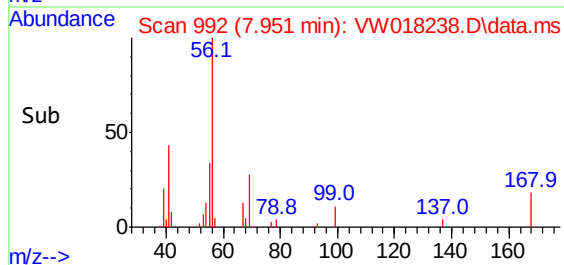
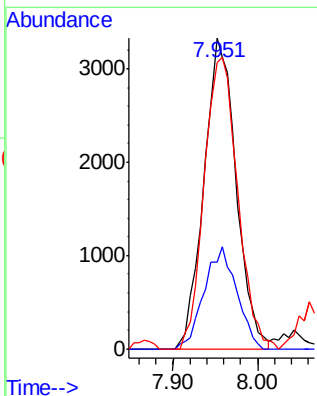
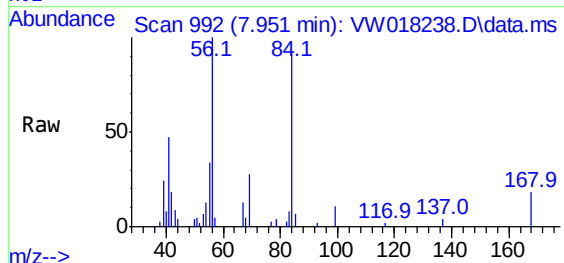




#29
Cyclohexane
Concen: 1.06 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

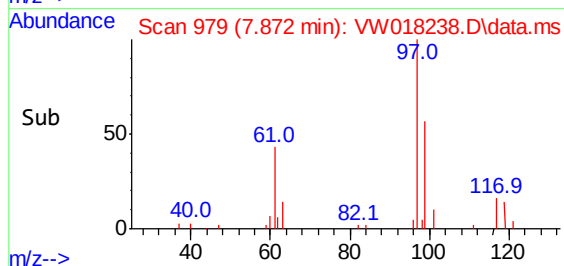
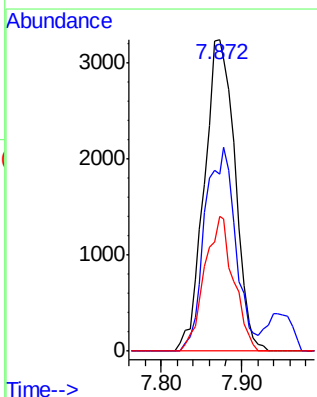
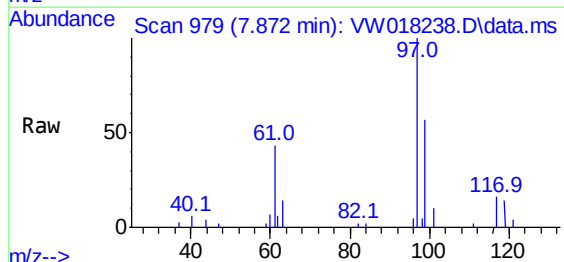
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

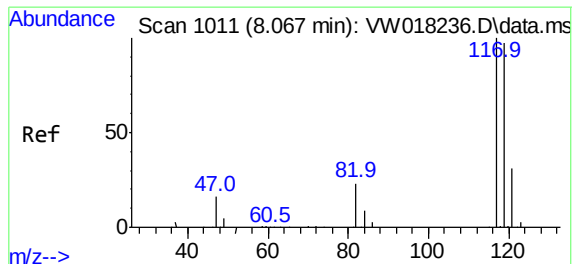
Tgt Ion: 56 Resp: 8575
Ion Ratio Lower Upper
56 100
69 33.2 24.5 36.7
84 97.1 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 1.06 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 97 Resp: 8591
Ion Ratio Lower Upper
97 100
99 35.0 51.4 77.2#
61 40.6 37.8 56.6

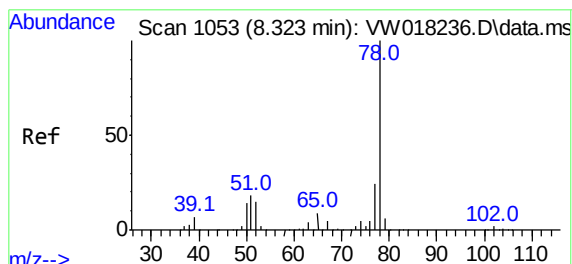
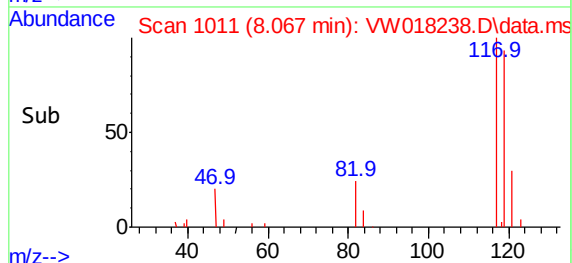
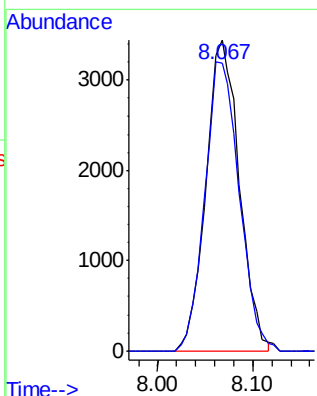
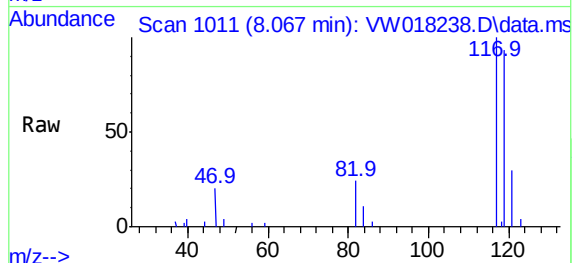




#31
Carbon tetrachloride
Concen: 1.05 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

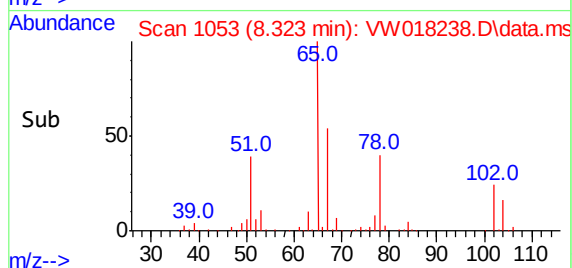
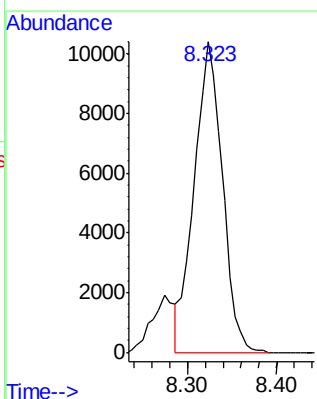
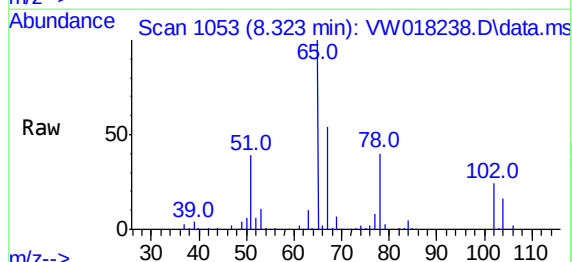
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

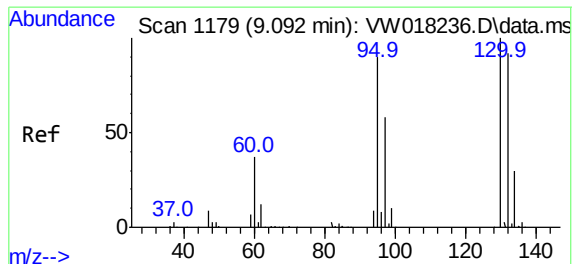
Tgt Ion:117 Resp: 8287
Ion Ratio Lower Upper
117 100
119 96.0 76.5 114.7



#33
Benzene
Concen: 1.05 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 78 Resp: 22717



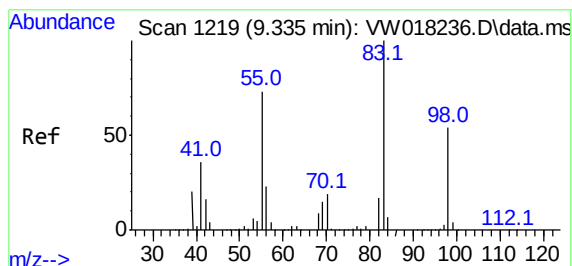
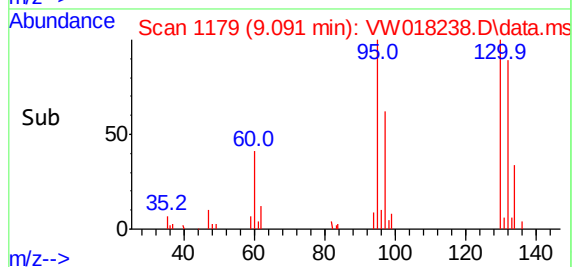
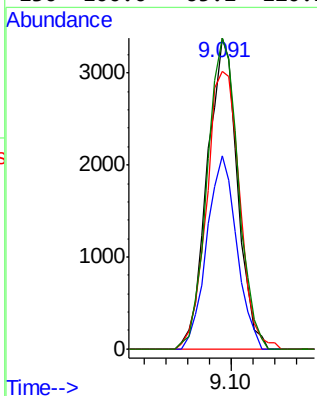
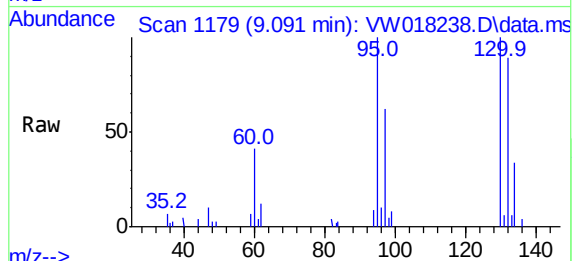


#34
Trichloroethene
Concen: 1.08 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

Tgt Ion: 95 Resp: 6481

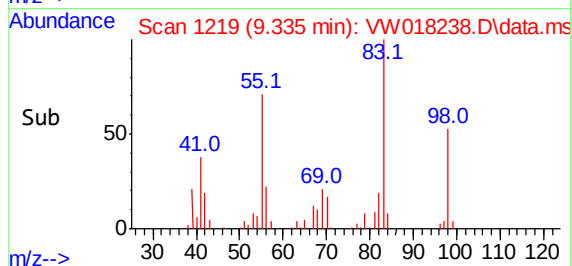
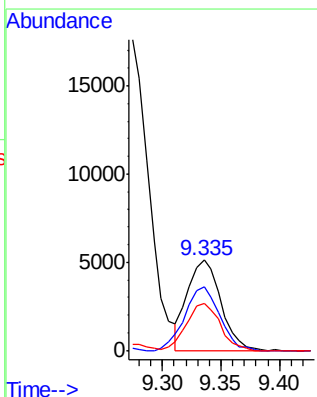
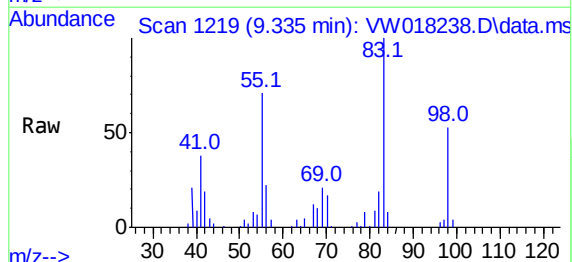
Ion	Ratio	Lower	Upper
95	100		
97	62.0	47.3	87.8
132	89.1	71.0	131.8
130	100.0	65.1	120.9

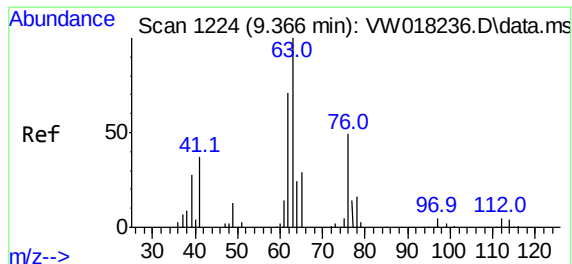


#35
Methylcyclohexane
Concen: 1.01 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 83 Resp: 10102

Ion	Ratio	Lower	Upper
83	100		
55	73.5	58.9	88.3
98	52.9	40.1	60.1

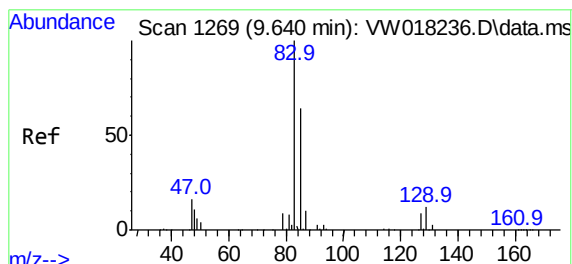
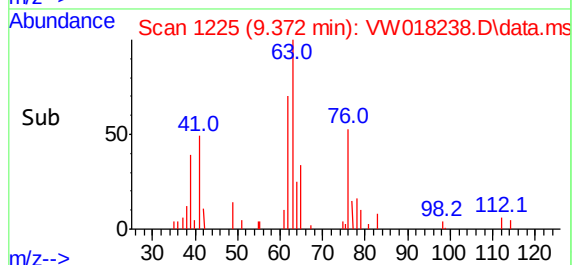
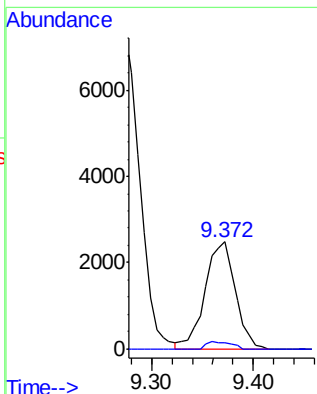
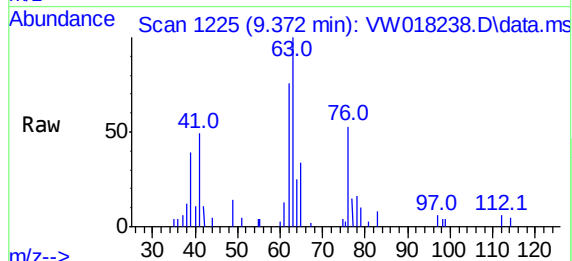




#37
1,2-Dichloropropane
Concen: 1.03 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

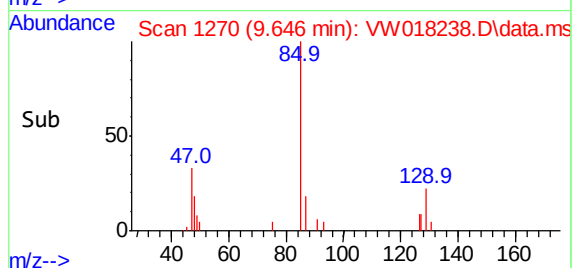
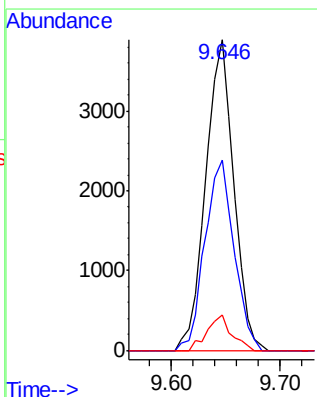
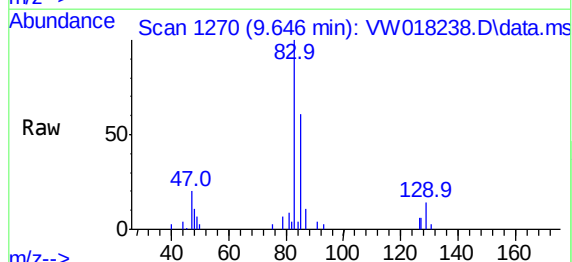
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

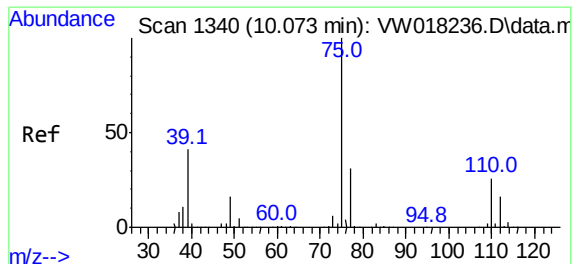
Tgt Ion: 63 Resp: 5149
Ion Ratio Lower Upper
63 100
112 5.3 3.9 5.9



#38
Bromodichloromethane
Concen: 1.00 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 83 Resp: 6957
Ion Ratio Lower Upper
83 100
85 61.2 42.3 78.5
127 11.2 6.6 9.8#

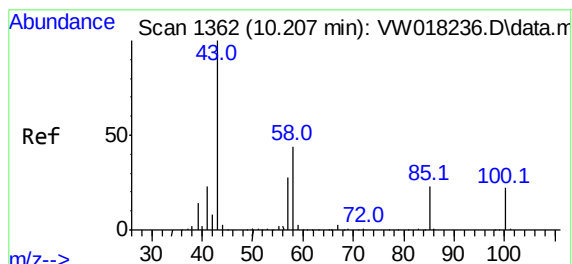
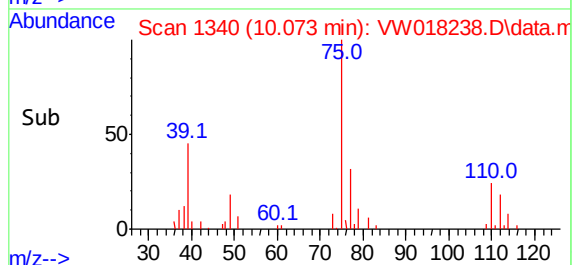
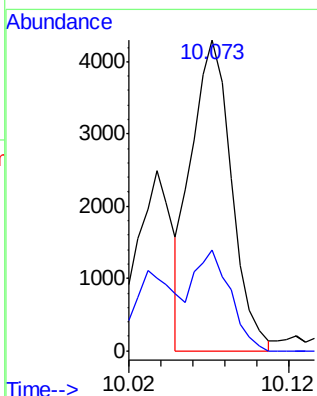
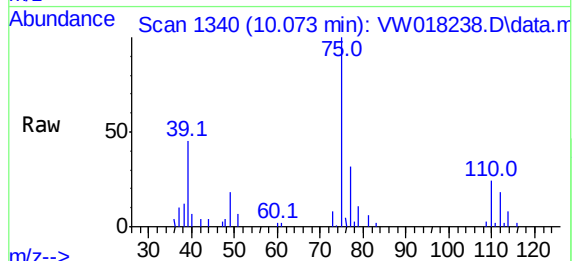




#39
cis-1,3-Dichloropropene
Concen: 0.99 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

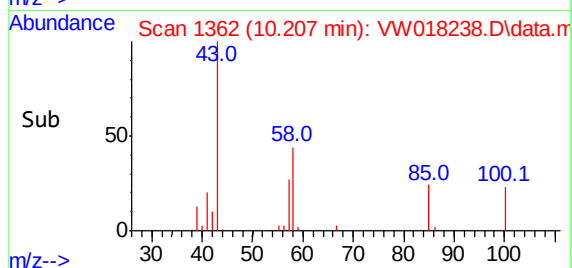
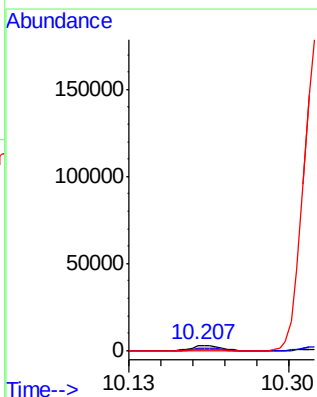
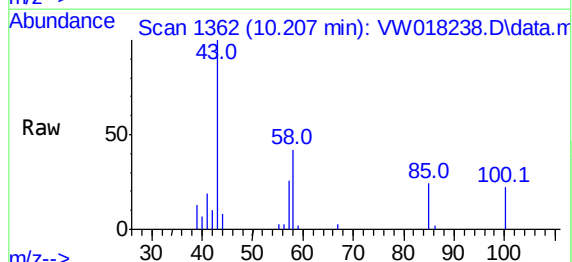
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

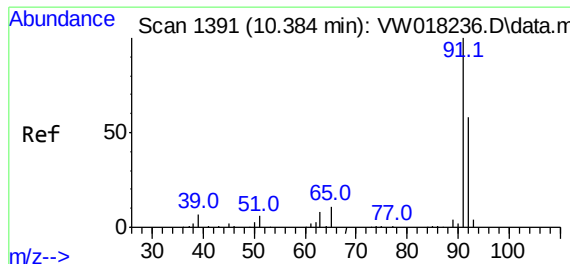
Tgt Ion: 75 Resp: 7869
Ion Ratio Lower Upper
75 100
77 32.3 22.6 42.0



#40
4-Methyl-2-pentanone
Concen: 2.27 ug/L
RT: 10.207 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 43 Resp: 5733
Ion Ratio Lower Upper
43 100
58 46.3 31.0 46.4
100 21.3 13.0 19.6#

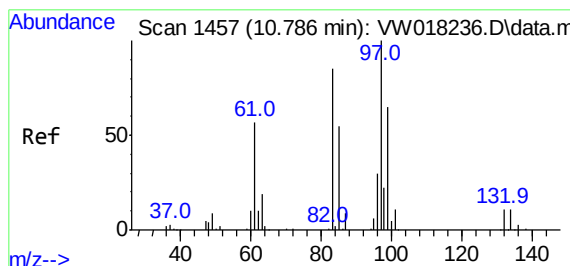
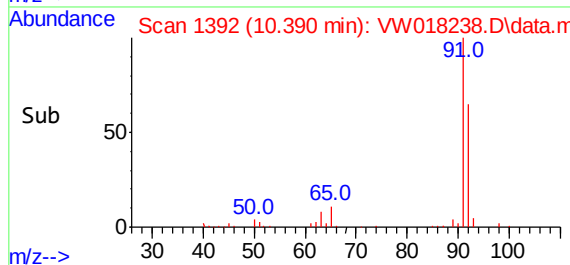
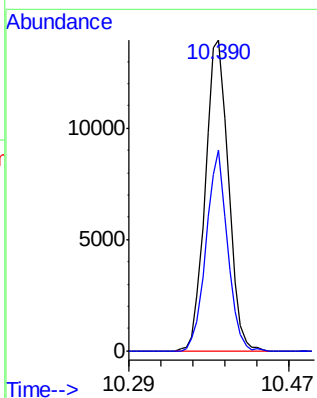
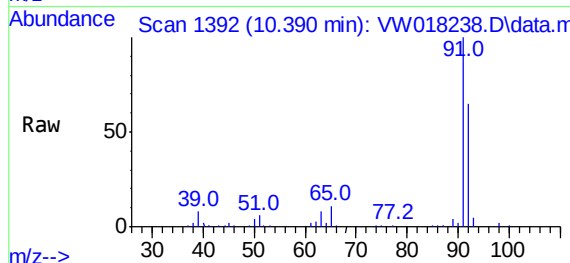




#42
Toluene
Concen: 1.05 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

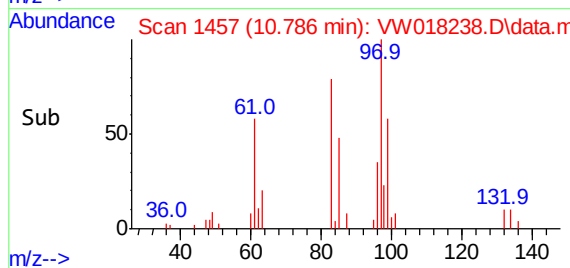
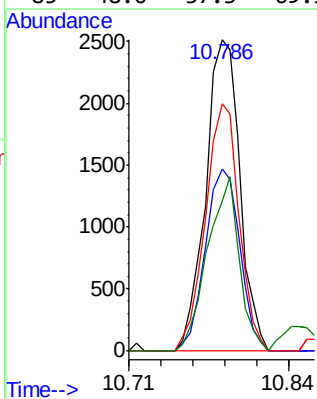
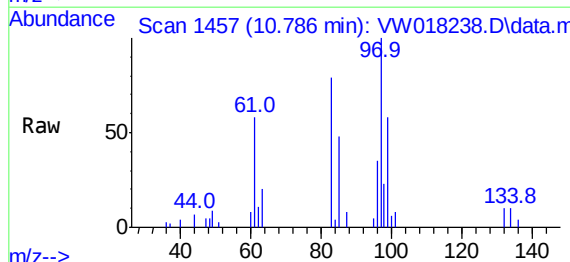
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

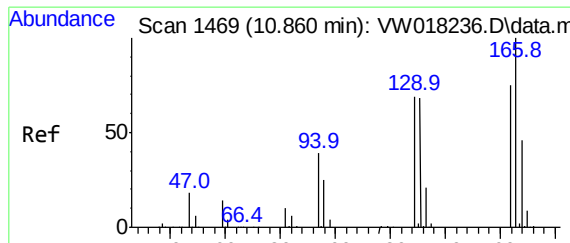
Tgt Ion: 91 Resp: 25038
Ion Ratio Lower Upper
91 100
92 64.5 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 1.12 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 97 Resp: 4572
Ion Ratio Lower Upper
97 100
99 58.5 45.1 83.7
83 79.3 58.1 107.9
85 48.0 37.3 69.3



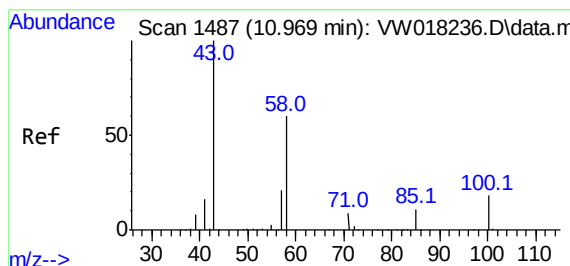
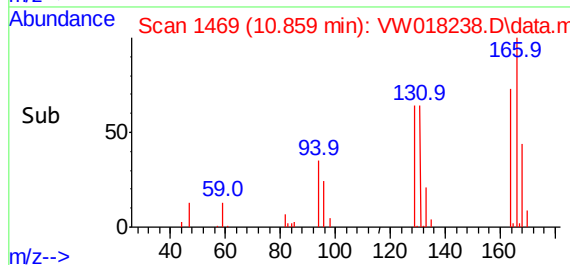
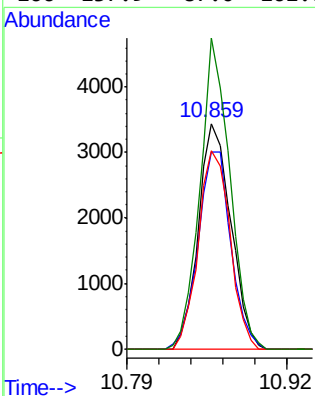
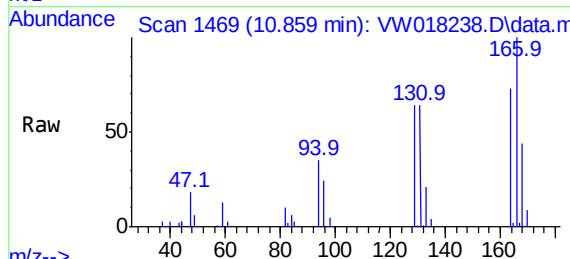


#46
Tetrachloroethene
Concen: 1.11 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

Tgt Ion:164 Resp: 5942

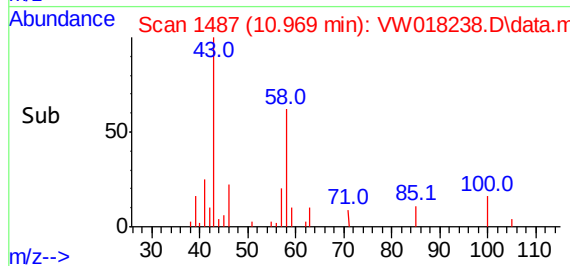
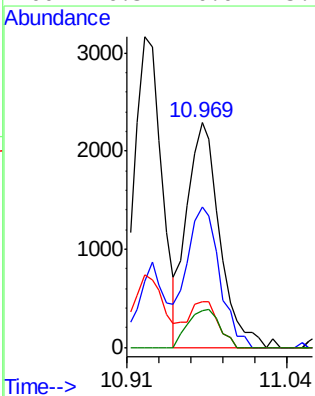
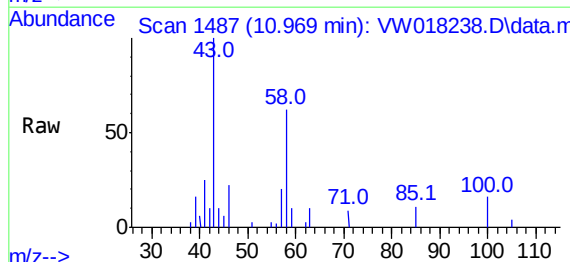
Ion	Ratio	Lower	Upper
164	100		
129	87.6	66.7	123.9
131	88.0	61.1	113.5
166	137.9	87.0	161.6

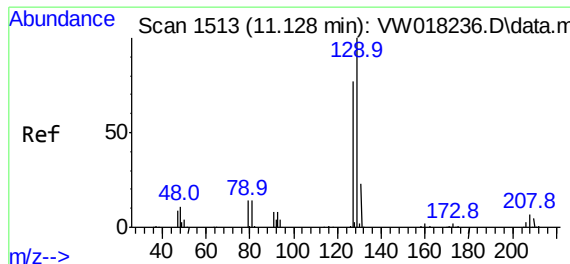


#48
2-Hexanone
Concen: 2.56 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 43 Resp: 4427

Ion	Ratio	Lower	Upper
43	100		
58	62.5	42.7	64.1
57	15.6	15.8	23.8#
100	16.5	10.0	15.0#

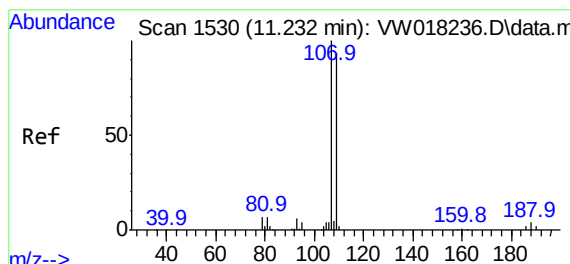
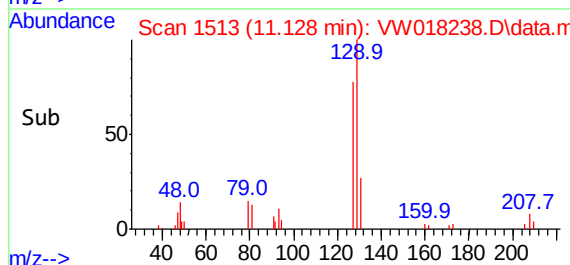
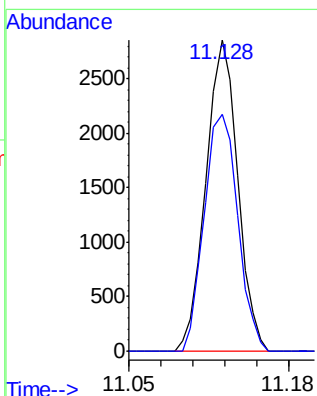
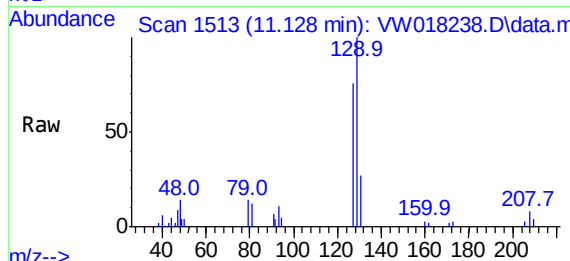




#49
Dibromochloromethane
Concen: 0.96 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

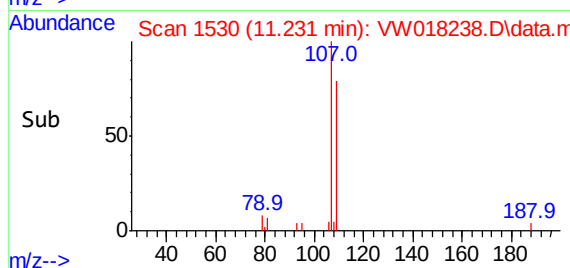
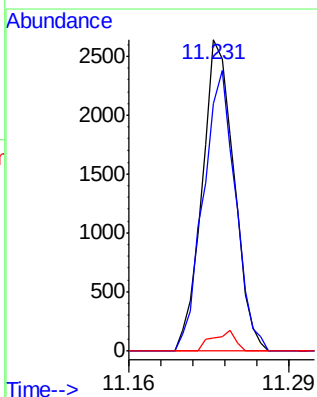
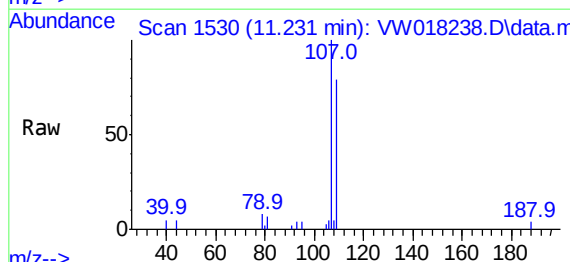
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

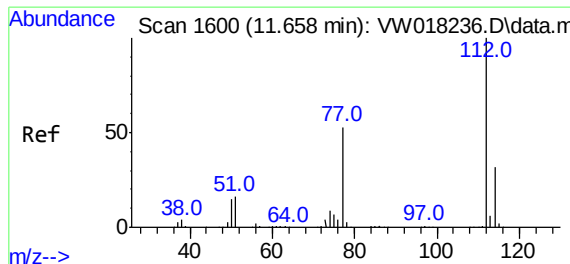
Tgt Ion:129 Resp: 4856
Ion Ratio Lower Upper
129 100
127 76.1 51.7 95.9



#50
1,2-Dibromoethane
Concen: 1.12 ug/L
RT: 11.231 min Scan# 1530
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:107 Resp: 4466
Ion Ratio Lower Upper
107 100
109 79.3 65.4 121.4
188 4.1 2.6 4.0#

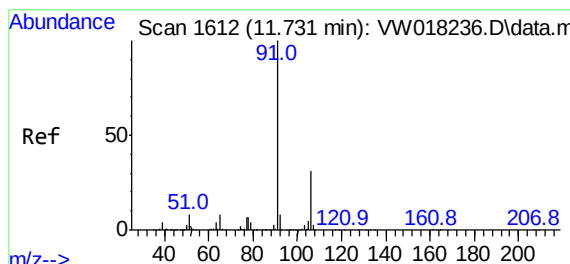
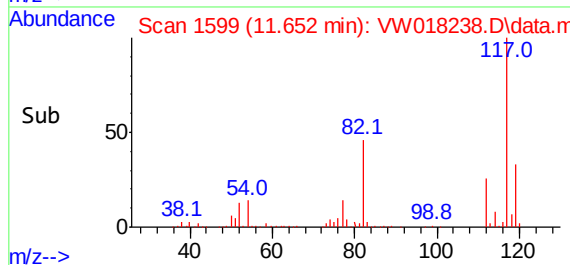
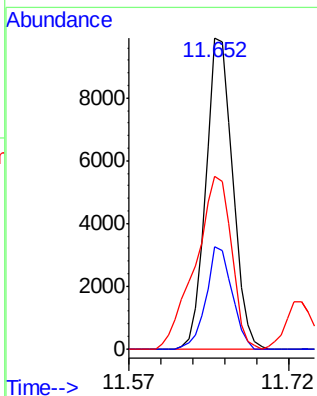
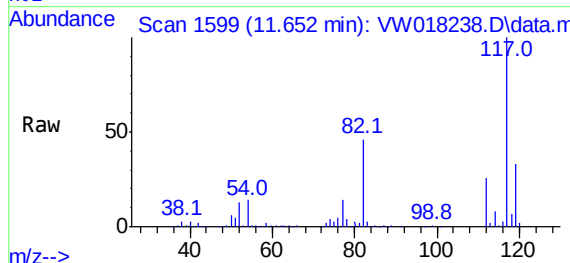




#51
Chlorobenzene
Concen: 1.06 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

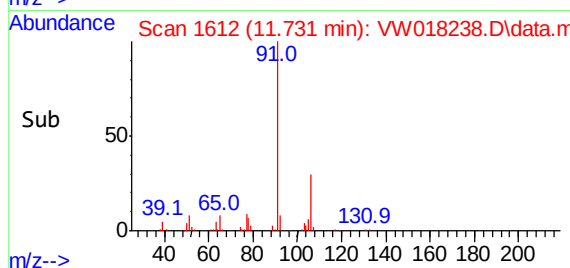
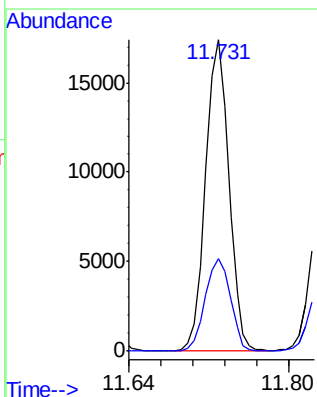
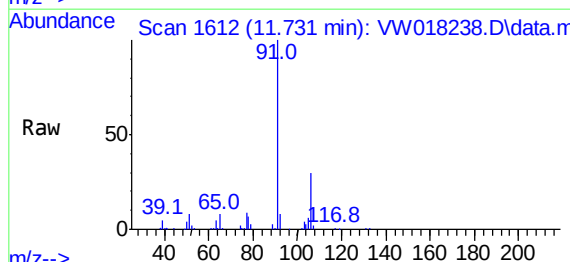
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

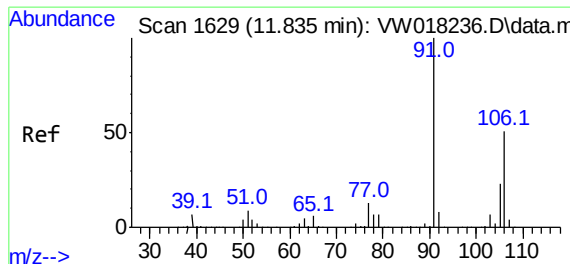
Tgt Ion:112 Resp: 16793
Ion Ratio Lower Upper
112 100
114 32.8 23.4 43.6
77 55.5 47.6 71.4



#52
Ethylbenzene
Concen: 1.03 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 91 Resp: 27543
Ion Ratio Lower Upper
91 100
106 29.7 22.5 41.7

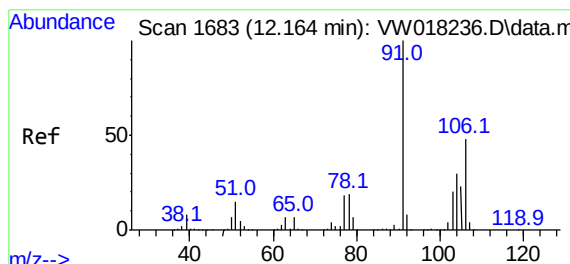
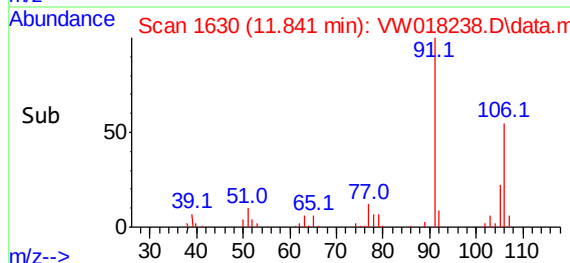
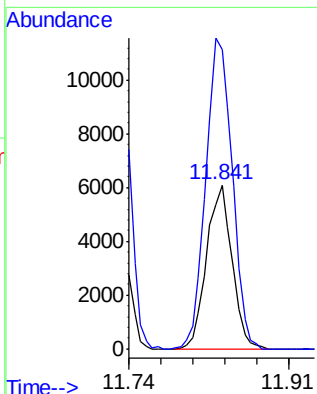
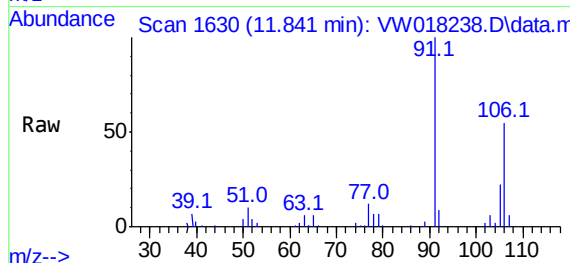




#53
m,p-Xylene
Concen: 1.07 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

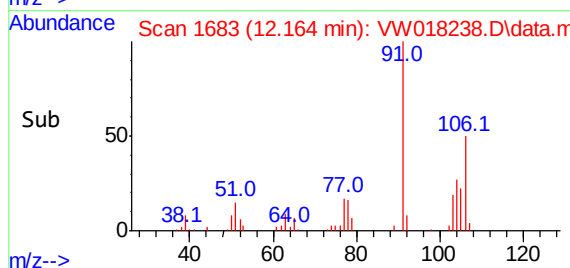
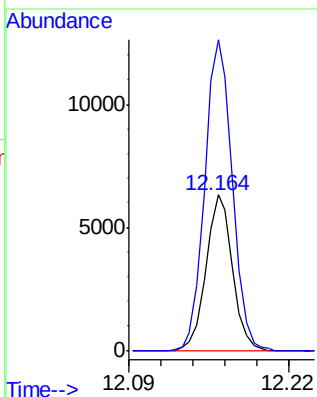
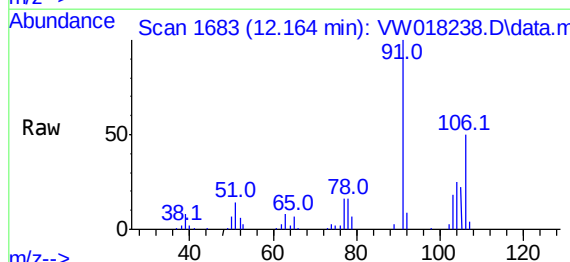
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

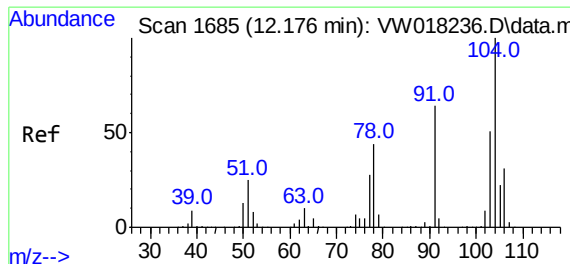
Tgt Ion:106 Resp: 11175
Ion Ratio Lower Upper
106 100
91 182.8 141.3 262.3



#54
o-Xylene
Concen: 1.00 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:106 Resp: 9890
Ion Ratio Lower Upper
106 100
91 199.7 150.0 278.6

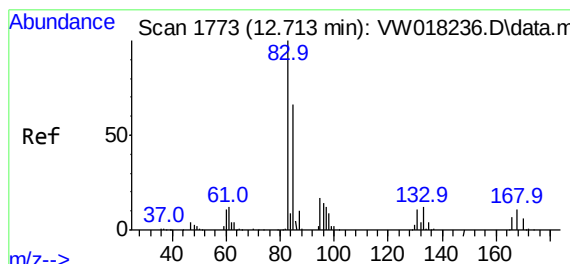
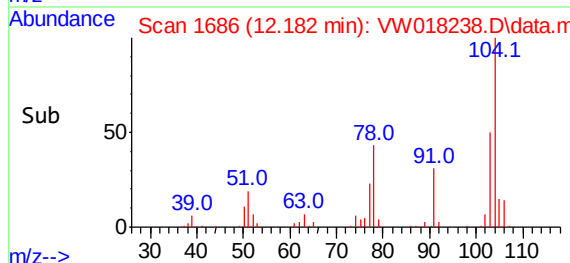
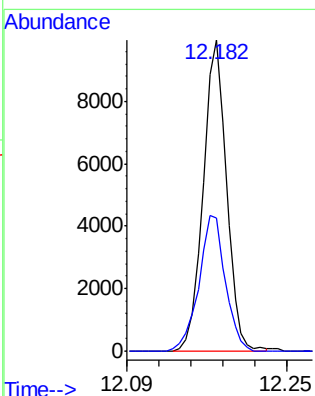
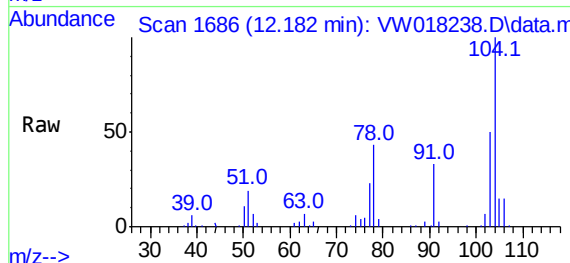




#55
Styrene
Concen: 0.95 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

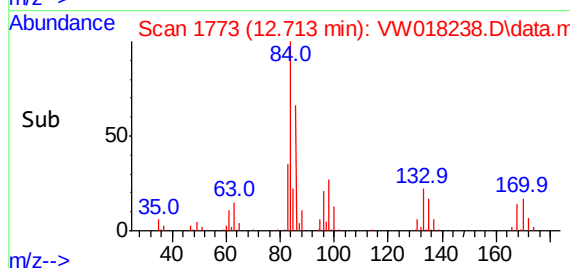
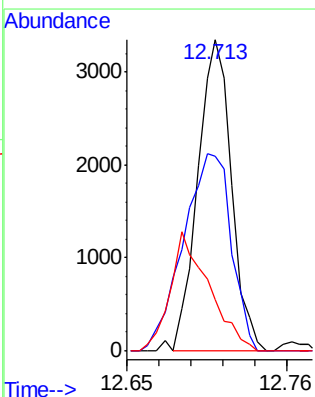
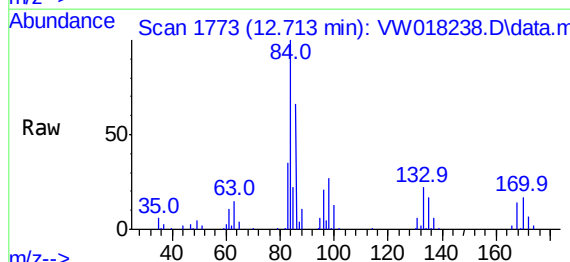
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

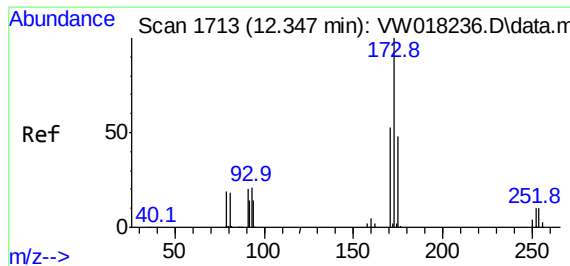
Tgt Ion:104 Resp: 15718
Ion Ratio Lower Upper
104 100
78 43.0 32.5 60.3



#57
1,1,2,2-Tetrachloroethane
Concen: 1.23 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 83 Resp: 5633
Ion Ratio Lower Upper
83 100
85 62.4 44.4 82.4
131 16.4 8.2 12.4#



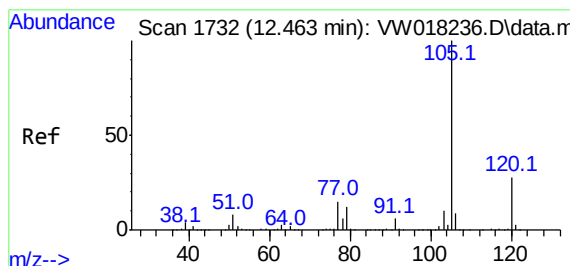
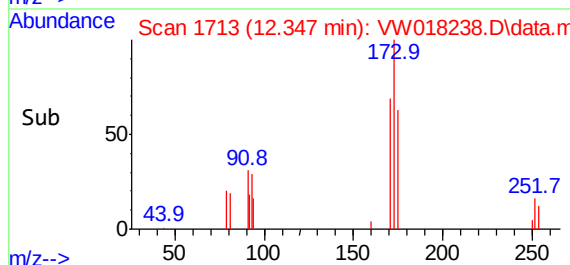
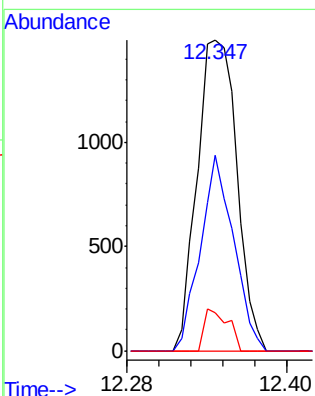
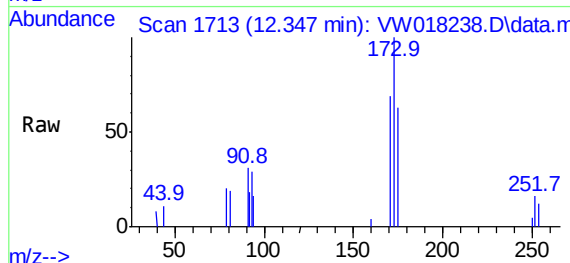


#59
Bromoform
Concen: 1.01 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

Tgt Ion:173 Resp: 2972

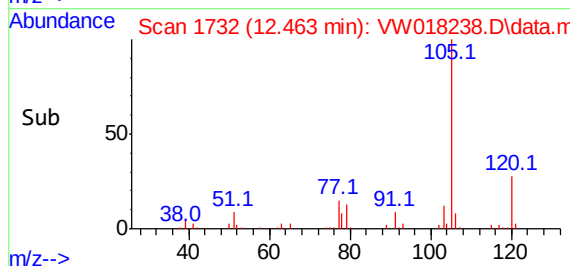
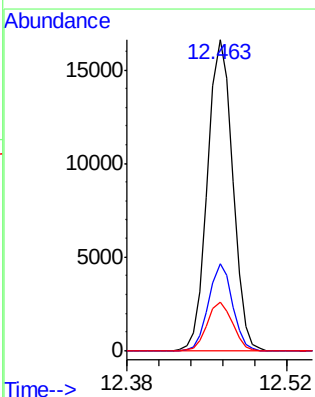
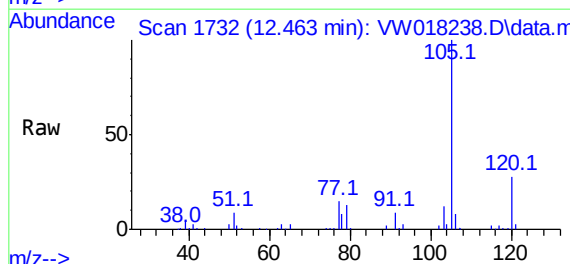
Ion	Ratio	Lower	Upper
173	100		
175	52.7	37.5	56.3
254	8.2	7.0	10.4

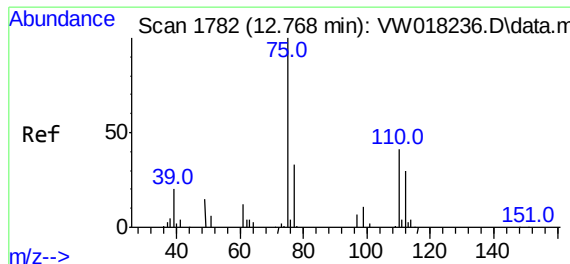


#60
Isopropylbenzene
Concen: 0.99 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:105 Resp: 26632

Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.1	31.7
77	15.6	13.2	19.8

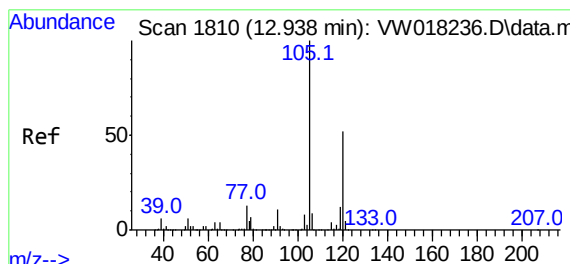
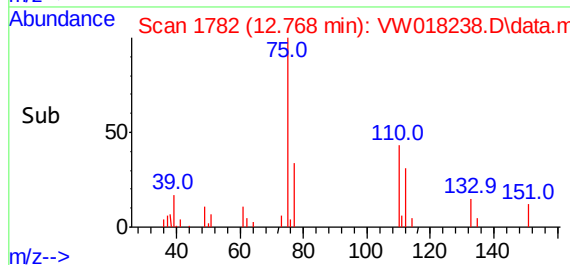
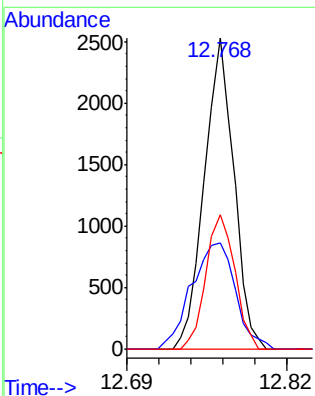
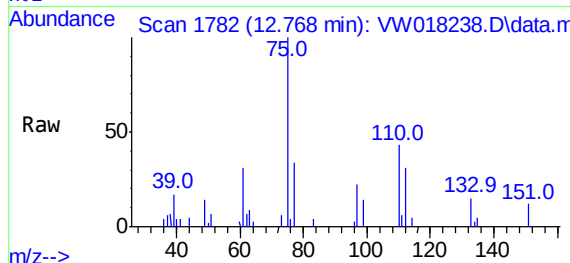




#61
1,2,3-Trichloropropane
Concen: 1.18 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

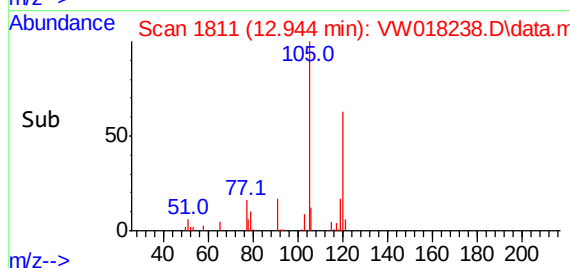
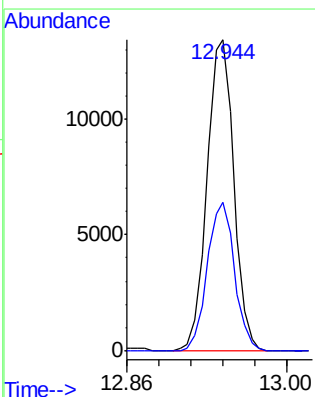
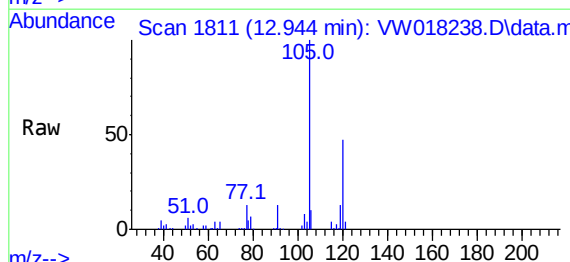
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

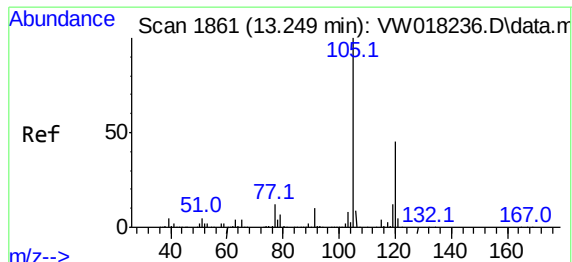
Tgt Ion: 75 Resp: 3985
Ion Ratio Lower Upper
75 100
77 50.8 25.3 37.9#
110 42.3 32.6 48.8



#62
1,3,5-Trimethylbenzene
Concen: 0.95 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion: 105 Resp: 21406
Ion Ratio Lower Upper
105 100
120 48.4 39.0 58.6

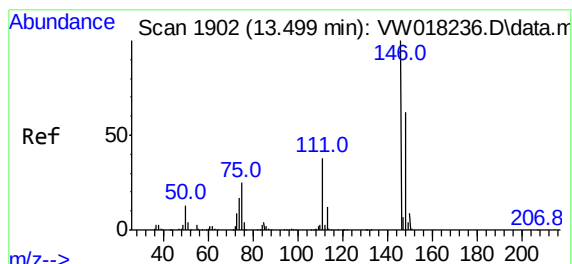
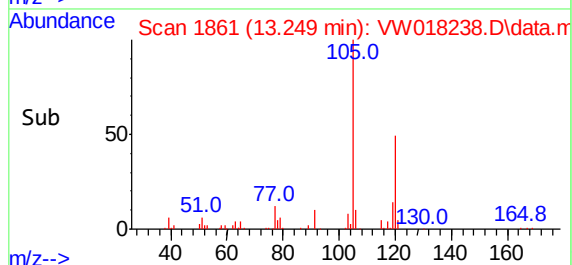
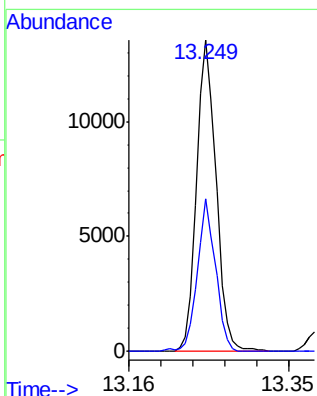
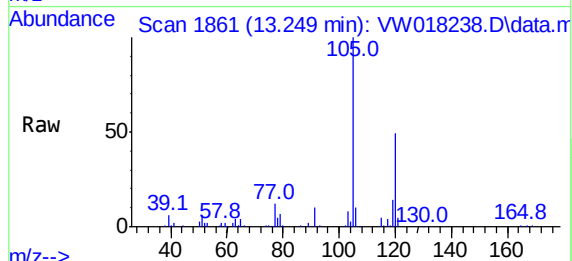




#63
 1,2,4-Trimethylbenzene
 Concen: 0.93 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

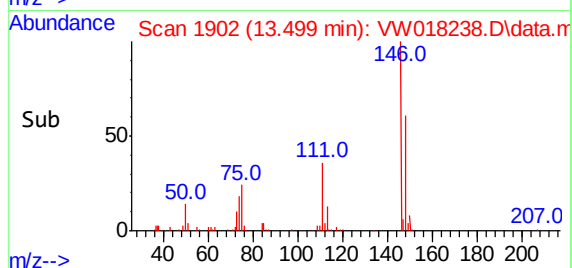
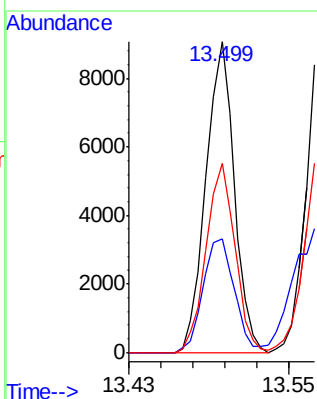
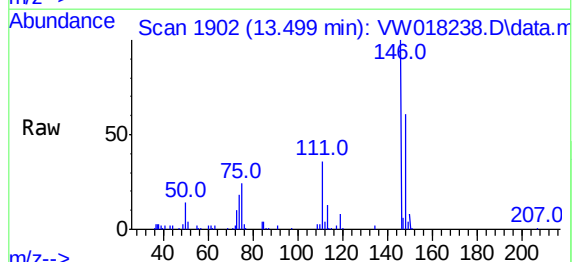
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

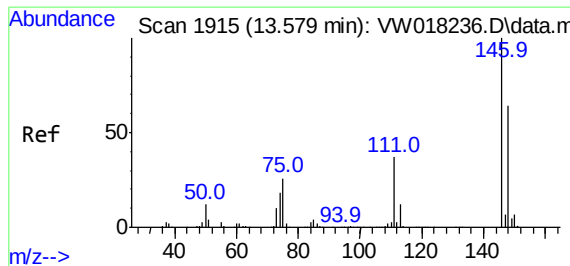
Tgt Ion:105 Resp: 20982
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.6 53.4



#64
 1,3-Dichlorobenzene
 Concen: 1.06 ug/L
 RT: 13.499 min Scan# 1902
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Tgt Ion:146 Resp: 13702
 Ion Ratio Lower Upper
 146 100
 111 36.4 26.7 49.7
 148 61.0 41.1 76.3

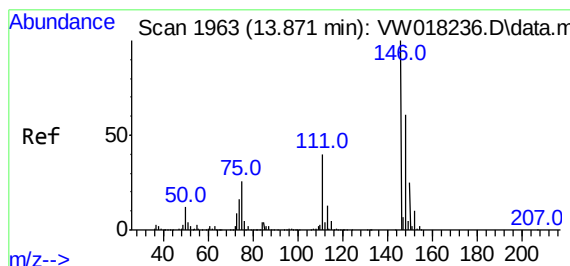
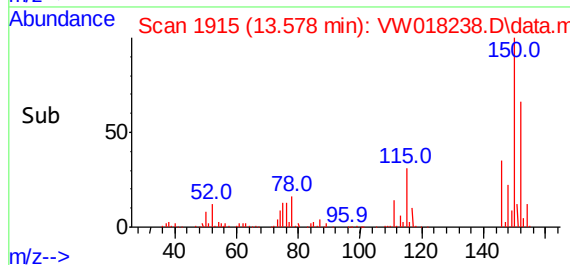
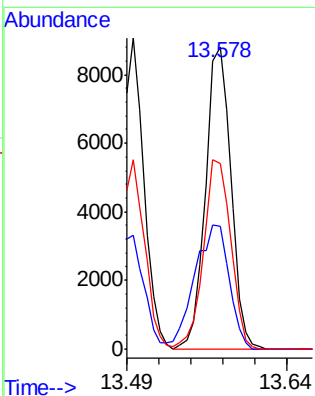
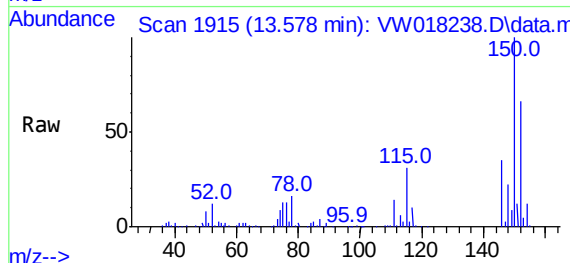




#65
1,4-Dichlorobenzene
Concen: 1.09 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

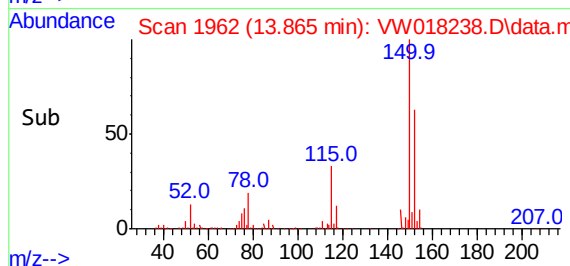
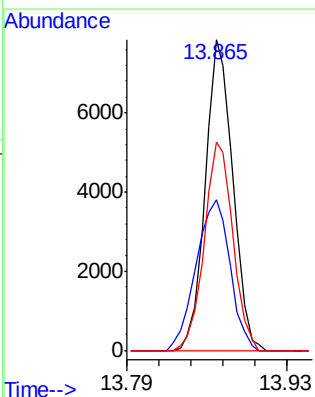
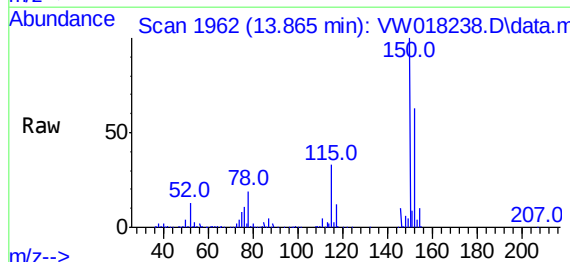
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

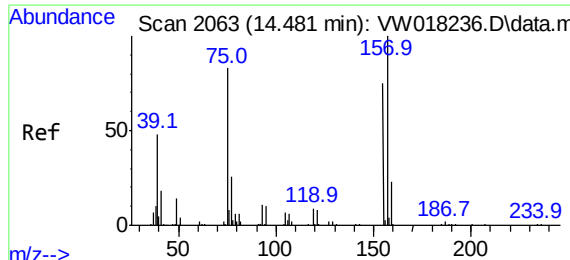
Tgt Ion:146 Resp: 14178
Ion Ratio Lower Upper
146 100
111 40.7 28.8 53.4
148 61.2 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 1.11 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:146 Resp: 12826
Ion Ratio Lower Upper
146 100
111 48.3 33.2 49.8
148 67.1 50.4 75.6

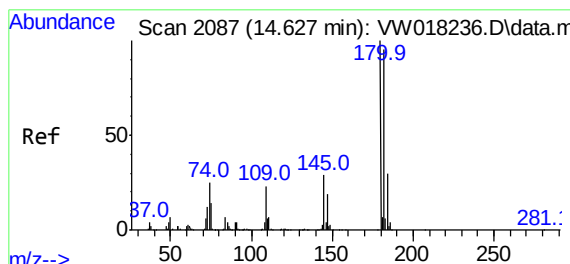
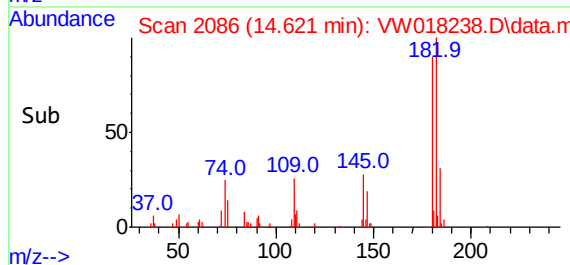
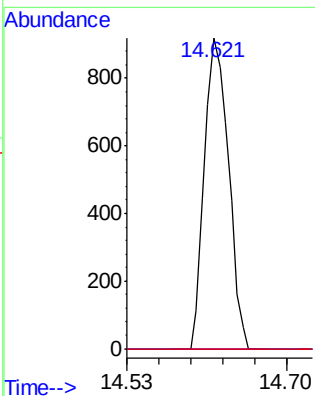
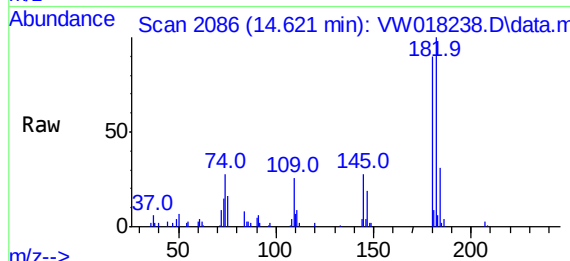




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.18 ug/L
 RT: 14.621 min Scan# 2086
 Delta R.T. 0.140 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

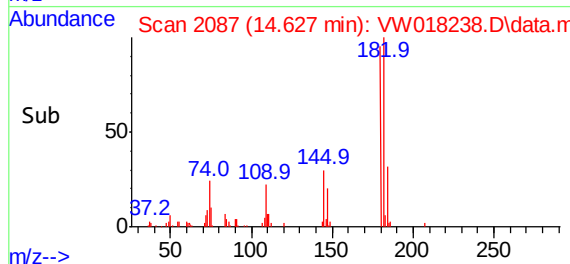
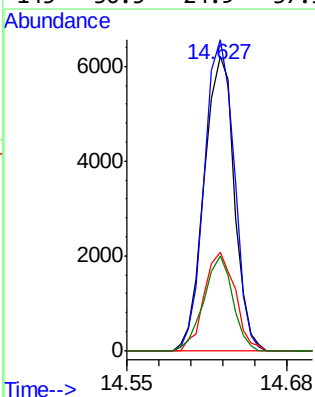
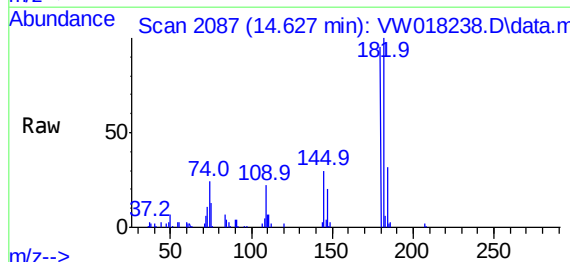
Instrument :
 MSVOA_W
 ClientSampleID :
 MDL-SOIL-QT2-2021-04

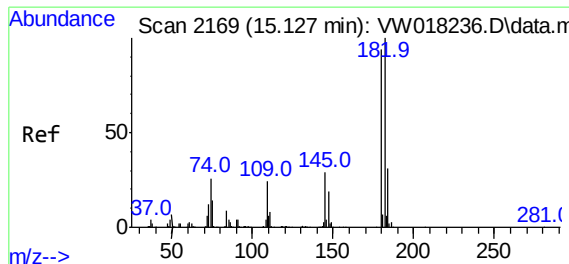
Tgt Ion:	75	Resp:	1596
Ion	Ratio	Lower	Upper
75	100		
155	0.0	59.4	89.0#
157	0.0	72.2	108.2#



#69
 1,3,5-Trichlorobenzene
 Concen: 1.01 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Tgt Ion:	180	Resp:	10012
Ion	Ratio	Lower	Upper
180	100		
182	104.0	73.4	110.2
184	33.9	23.6	35.4
145	30.5	24.9	37.3

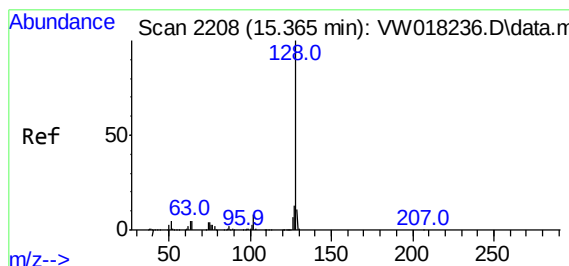
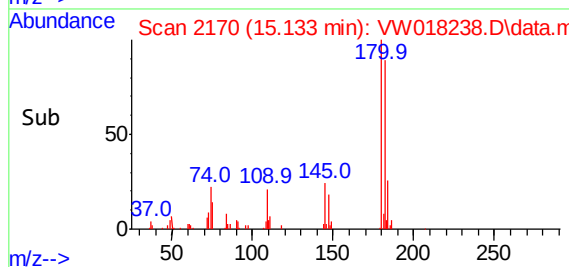
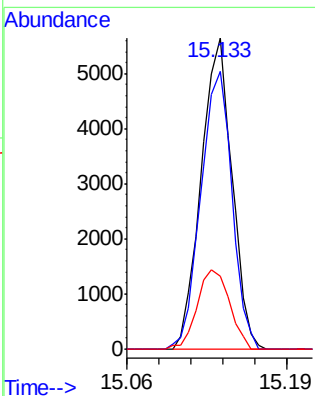
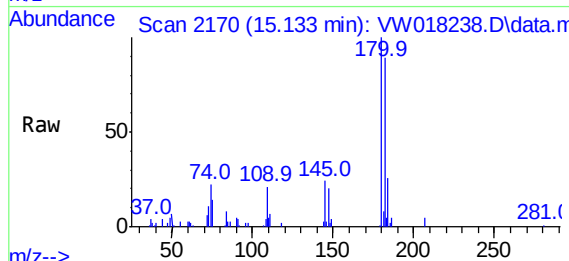




#70
1,2,4-trichlorobenzene
Concen: 1.13 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

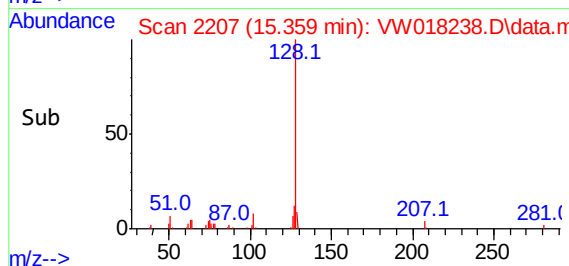
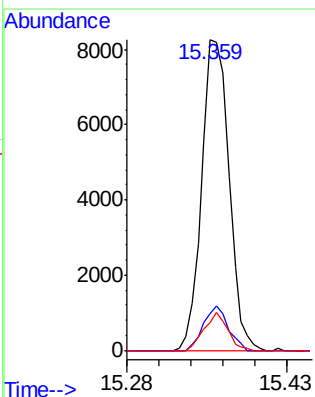
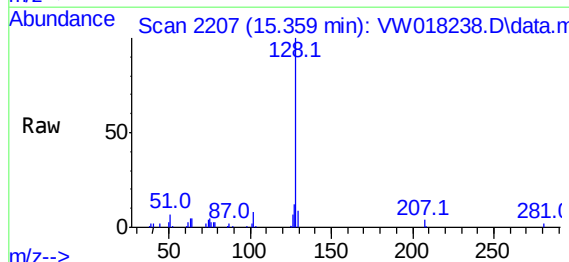
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2021-04

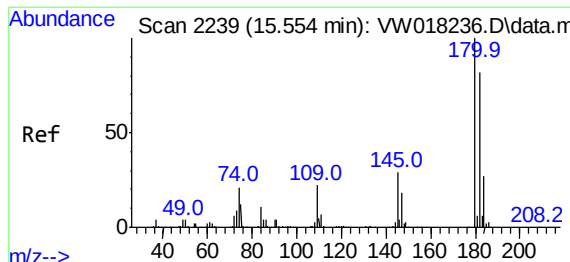
Tgt Ion:	180	Resp:	9283
Ion Ratio	Lower	Upper	
180	100		
182	90.1	74.7	112.1
145	26.7	25.0	37.4



#71
Naphthalene
Concen: 1.07 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW018238.D
Acq: 25 Feb 2021 10:31

Tgt Ion:	128	Resp:	15407
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.4	9.0	13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.13 ug/L
 RT: 15.554 min Scan# 2239
 Delta R.T. -0.000 min
 Lab File: VW018238.D
 Acq: 25 Feb 2021 10:31

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2021-04

Tgt Ion:180 Resp: 8146
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.7 115.1
 145 30.0 28.9 43.3

