

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051821\
 Data File : VW019014.D
 Acq On : 18 May 2021 11:55
 Operator : SY/VA
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
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5/21/2021 6:47:32 PM

Quant Time: May 19 01:25:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 19 01:14:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	562350	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	521752	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	247186	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	147921	25.85	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.40%			
7) Chloroethane-d5	2.891	69	127820	23.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.64%			
11) 1,1-Dichloroethene-d2	4.025	63	226613	17.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 69.40%			
21) 2-Butanone-d5	7.080	46	76790	50.95	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.90%			
24) Chloroform-d	7.647	84	348031	24.18	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 96.72%			
26) 1,2-Dichloroethane-d4	8.305	65	186345	24.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.68%			
32) Benzene-d6	8.275	84	708314	24.32	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 97.28%			
36) 1,2-Dichloropropane-d6	9.274	67	210914	24.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.80%			
41) Toluene-d8	10.323	98	657554	24.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.36%			
43) trans-1,3-Dichloroprop...	10.579	79	85498	23.30	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.20%			
47) 2-Hexanone-d5	10.927	63	62696	49.67	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 99.34%			
56) 1,1,2,2-Tetrachloroeth...	12.694	84	156926	23.99	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.96%			
66) 1,2-Dichlorobenzene-d4	13.853	152	212441	24.88	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 99.52%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.013	85	5229	0.91 ug/L	#	76
3) Chloromethane	2.215	50	5861	1.02 ug/L		93
5) Vinyl chloride	2.367	62	9480m	1.29 ug/L		
6) Bromomethane	2.782	94	5869	0.96 ug/L		96
8) Chloroethane	2.934	64	5871	1.14 ug/L		85
9) Trichlorofluoromethane	3.263	101	4824	0.89 ug/L		99
10) 1,1,2-Trichloro-1,2,2-...	4.080	101	10123	1.36 ug/L	#	80
12) 1,1-Dichloroethene	4.050	96	9611	1.33 ug/L	#	1
13) Acetone	4.135	43	4308m	3.37 ug/L		
14) Carbon disulfide	4.385	76	21491	1.06 ug/L		97
15) Methyl Acetate	4.684	43	2803	1.06 ug/L	#	78
16) Methylene chloride	4.928	84	19710m	2.09 ug/L		
17) trans-1,2-Dichloroethene	5.434	96	8190	1.03 ug/L		85
18) Methyl tert-butyl Ether	5.434	73	9044m	0.95 ug/L		
19) 1,1-Dichloroethane	6.214	63	14481	1.05 ug/L		92
20) cis-1,2-Dichloroethene	7.171	96	8625	1.04 ug/L		99
23) Bromochloromethane	7.519	128	3456	0.96 ug/L		84
25) Chloroform	7.677	83	15367	1.08 ug/L		93
27) 1,2-Dichloroethane	8.403	62	9577	1.08 ug/L		95

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.951	56	12090	0.97	ug/L	96
30) 1,1,1-Trichloroethane	7.872	97	11500	1.01	ug/L	98
31) Carbon tetrachloride	8.073	117	10539	1.02	ug/L	97
33) Benzene	8.329	78	33801	1.06	ug/L	100
34) Trichloroethene	9.091	95	8633	1.02	ug/L	91
35) Methylcyclohexane	9.335	83	14530	0.99	ug/L	96
37) 1,2-Dichloropropane	9.366	63	8072	1.05	ug/L	99
38) Bromodichloromethane	9.646	83	9615	0.96	ug/L #	91
39) cis-1,3-Dichloropropene	10.073	75	11441	0.99	ug/L	99
40) 4-Methyl-2-pentanone	10.213	43	9281	2.33	ug/L	96
42) Toluene	10.390	91	44274	1.26	ug/L	95
44) trans-1,3-Dichloropropene	10.609	75	10015m	1.00	ug/L	
45) 1,1,2-Trichloroethane	10.786	97	5456	0.97	ug/L	94
46) Tetrachloroethene	10.866	164	6919	1.03	ug/L	97
48) 2-Hexanone	10.969	43	5508	2.12	ug/L	96
49) Dibromochloromethane	11.128	129	5961	0.94	ug/L	95
50) 1,2-Dibromoethane	11.237	107	5448	1.04	ug/L	96
51) Chlorobenzene	11.658	112	21959	1.01	ug/L	94
52) Ethylbenzene	11.731	91	36217	0.93	ug/L	99
53) m,p-Xylene	11.841	106	13519	0.92	ug/L	87
54) o-Xylene	12.164	106	12438	0.90	ug/L	98
55) Styrene	12.182	104	19129	0.82	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.719	83	6987	1.08	ug/L #	95
59) Bromoform	12.347	173	3167	0.99	ug/L #	97
60) Isopropylbenzene	12.463	105	32892	0.91	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	5058	1.13	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	26756	0.92	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	27645	0.94	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	15463	0.99	ug/L	95
65) 1,4-Dichlorobenzene	13.578	146	16316	1.05	ug/L	96
67) 1,2-Dichlorobenzene	13.865	146	14514	1.05	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.481	75	1277	1.34	ug/L #	86
69) 1,3,5-Trichlorobenzene	14.627	180	12043	1.05	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	9496	1.04	ug/L	98
71) Naphthalene	15.365	128	15821	0.96	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	8113	1.01	ug/L	95

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

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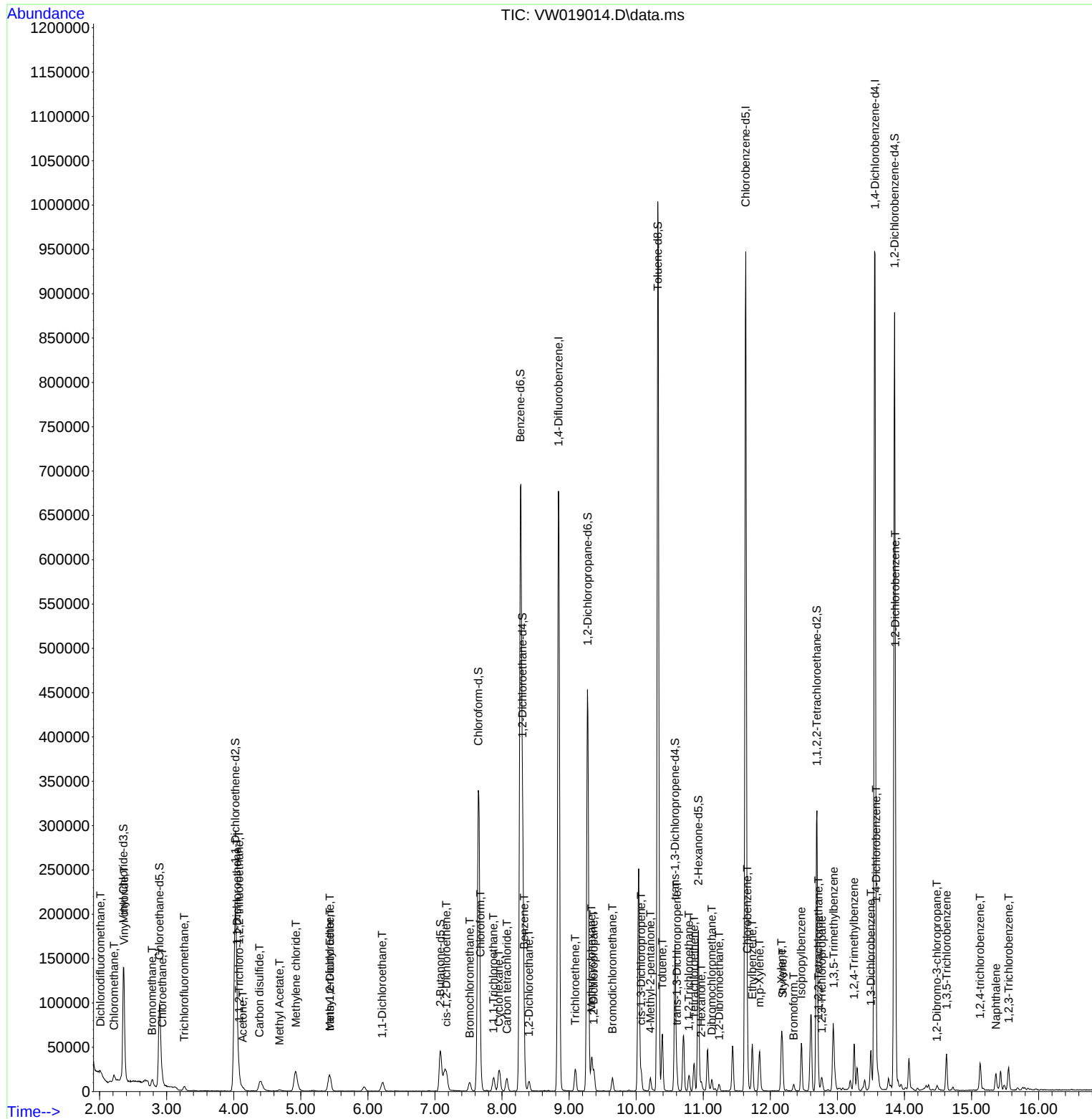
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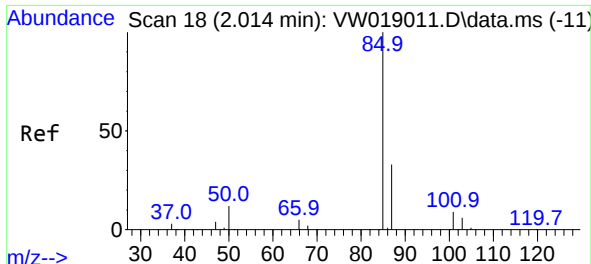
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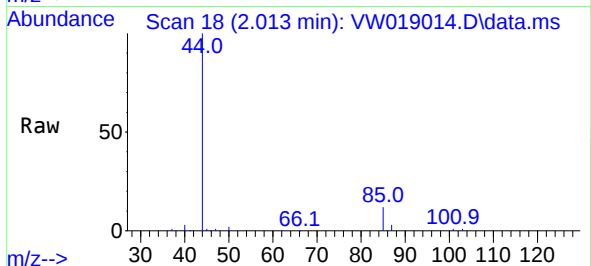
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Quant Title : SFAM01.0
QLast Update : Wed May 19 01:14:42 2021
Response via : Initial Calibration





#2
Dichlorodifluoromethane
Concen: 0.91 ug/L
RT: 2.013 min Scan# 18
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

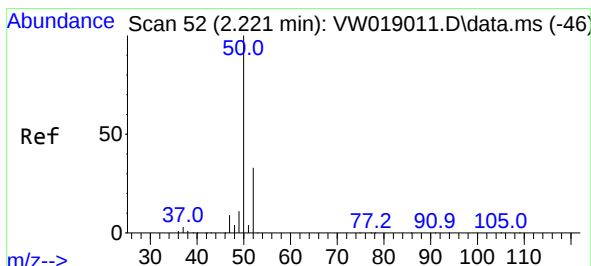
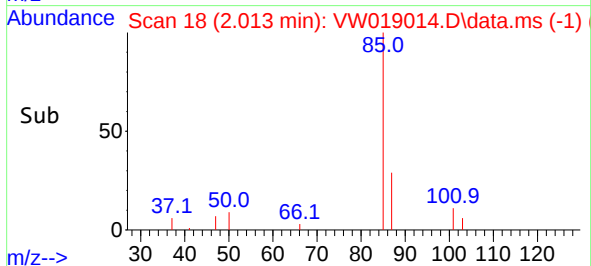
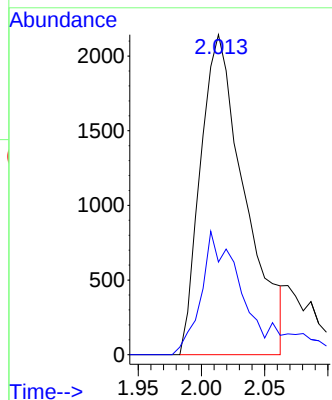


Tgt Ion: 85 Resp: 5229
Ion Ratio Lower Upper
85 100
87 16.3 23.3 34.9#

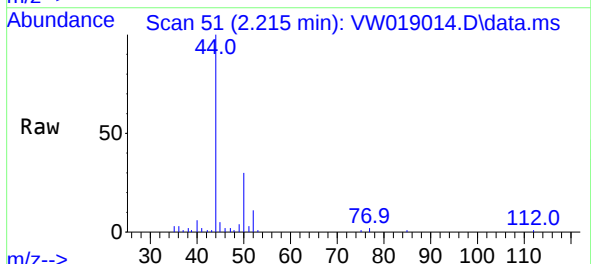
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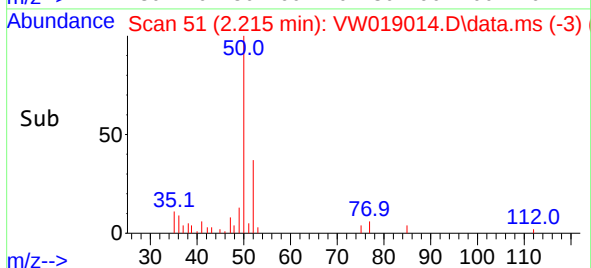
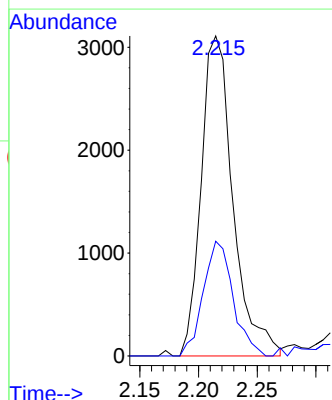
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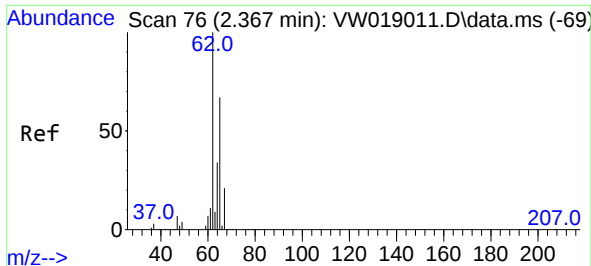


#3
Chloromethane
Concen: 1.02 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



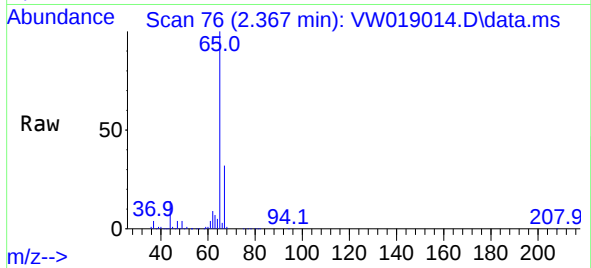
Tgt Ion: 50 Resp: 5861
Ion Ratio Lower Upper
50 100
52 35.9 22.5 41.9





#5
 Vinyl chloride
 Concen: 1.29 ug/L m
 RT: 2.367 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VW019014.D
 Acq: 18 May 2021 11:55

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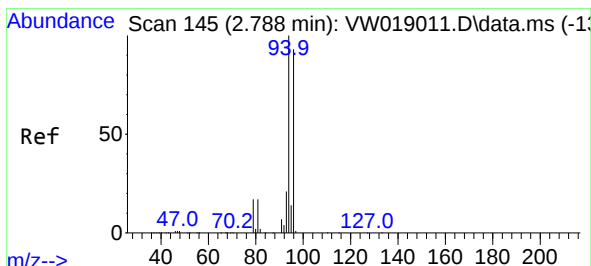
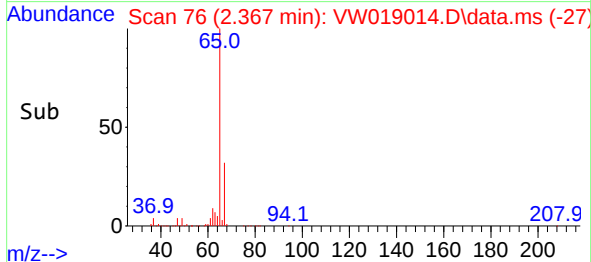
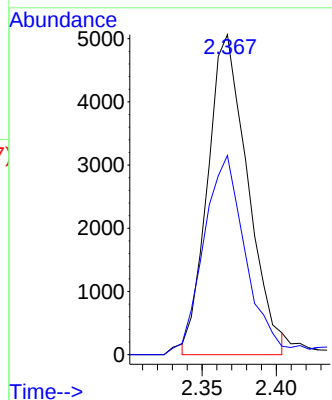


Tgt Ion: 62 Resp: 9480
 Ion Ratio Lower Upper
 62 100
 64 62.2 24.2 45.0#

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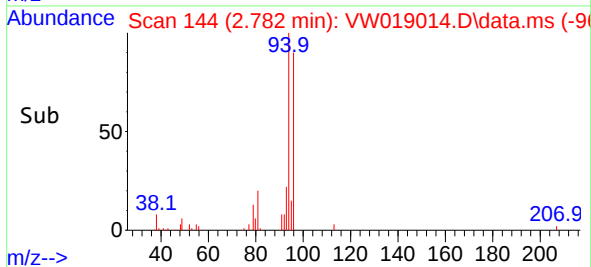
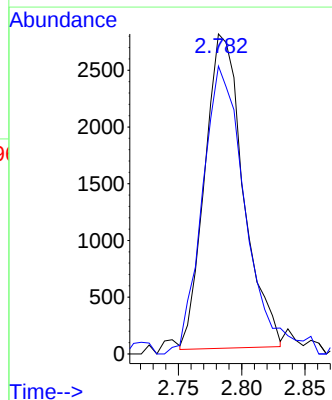
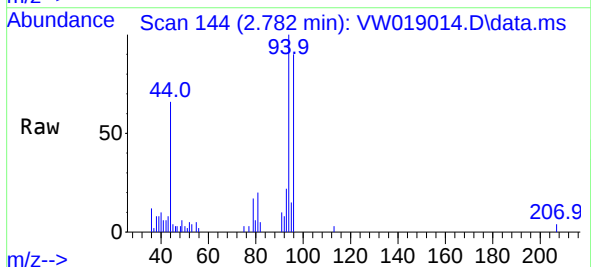
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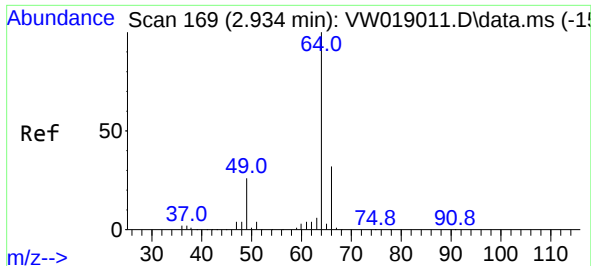
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#6
 Bromomethane
 Concen: 0.96 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.006 min
 Lab File: VW019014.D
 Acq: 18 May 2021 11:55

Tgt Ion: 94 Resp: 5869
 Ion Ratio Lower Upper
 94 100
 96 89.9 65.3 121.3





#8
Chloroethane
Concen: 1.14 ug/L
RT: 2.934 min Scan# 169
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

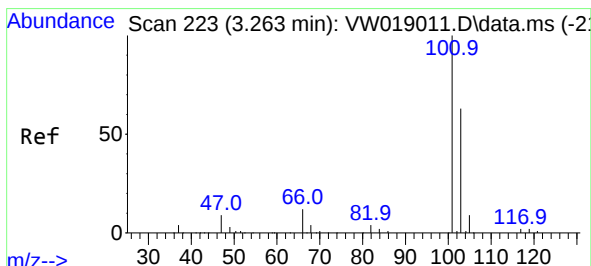
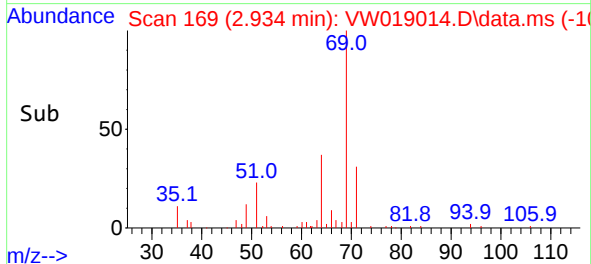
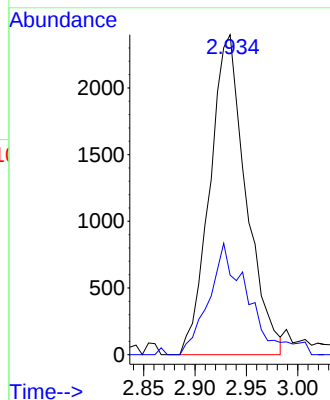
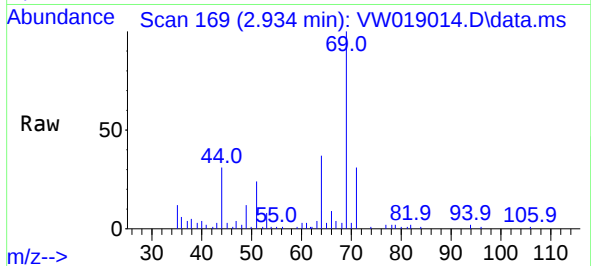
Tgt Ion: 64 Resp: 5871
Ion Ratio Lower Upper
64 100
66 24.8 23.4 43.6

Instrument :
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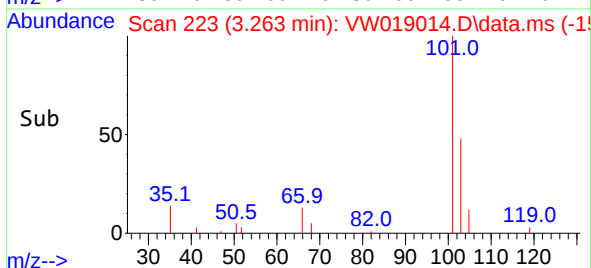
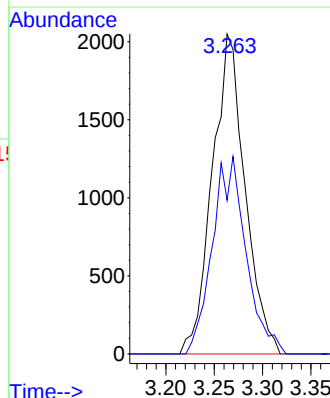
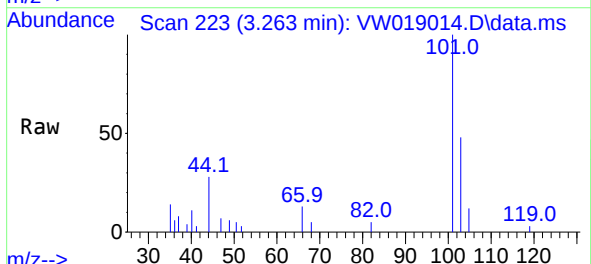
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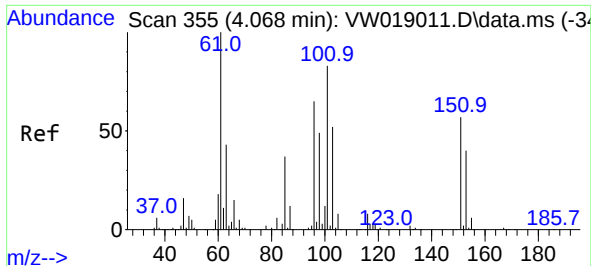
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#9
Trichlorofluoromethane
Concen: 0.89 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

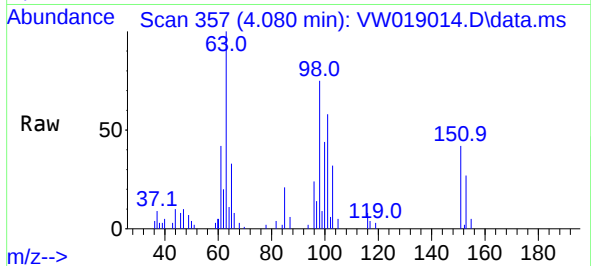
Tgt Ion: 101 Resp: 4824
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.4





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.36 ug/L
RT: 4.080 min Scan# 357
Delta R.T. 0.012 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

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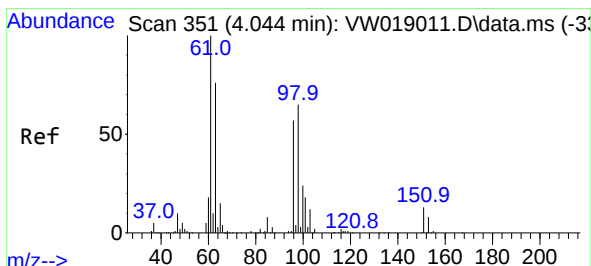
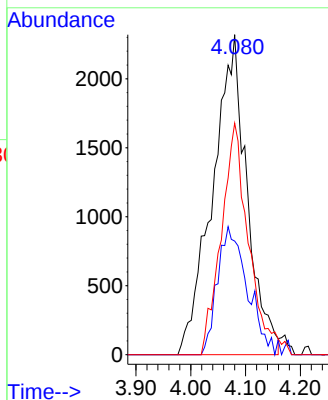
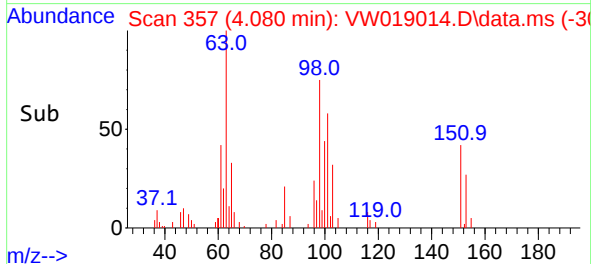


Tgt Ion:101 Resp: 10123
Ion Ratio Lower Upper
101 100
85 30.2 38.2 57.2#
151 57.6 56.6 85.0

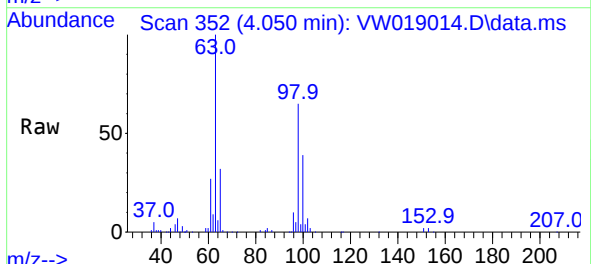
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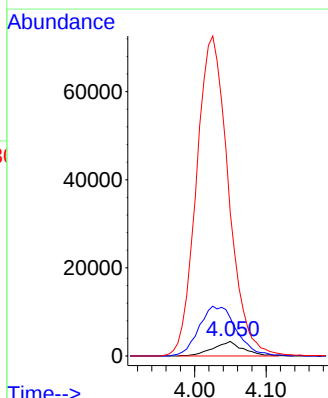
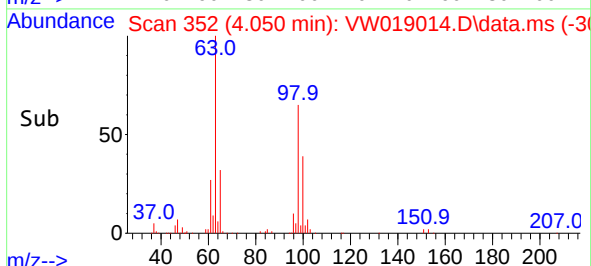
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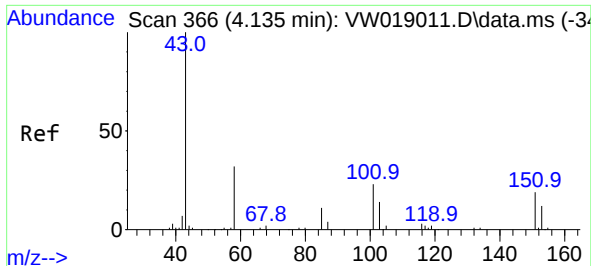


#12
1,1-Dichloroethene
Concen: 1.33 ug/L
RT: 4.050 min Scan# 352
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion: 96 Resp: 9611
Ion Ratio Lower Upper
96 100
61 261.6 118.1 219.3#
63 982.7 83.7 155.5#





#13
Acetone
Concen: 3.37 ug/L m
RT: 4.135 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

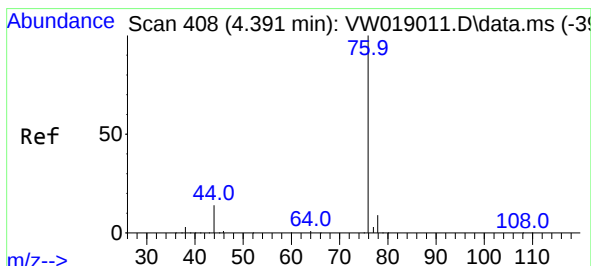
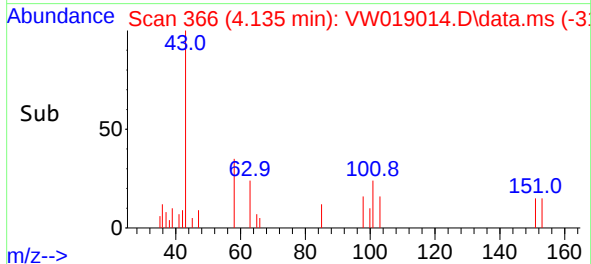
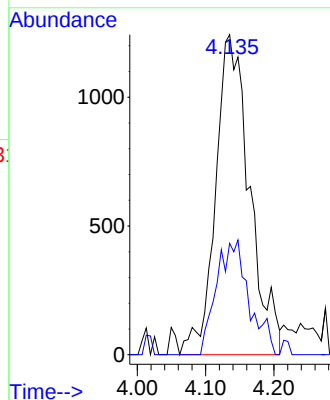
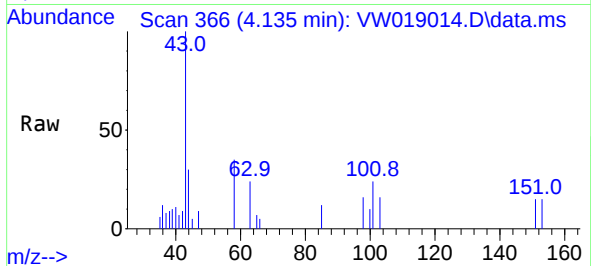
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Ion Ratio Lower Upper
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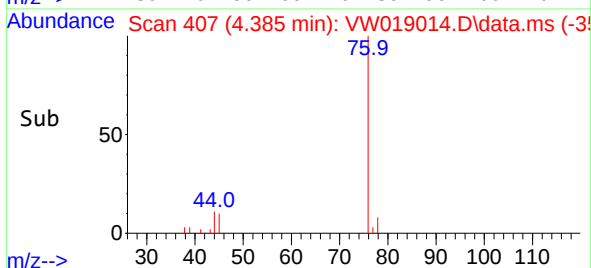
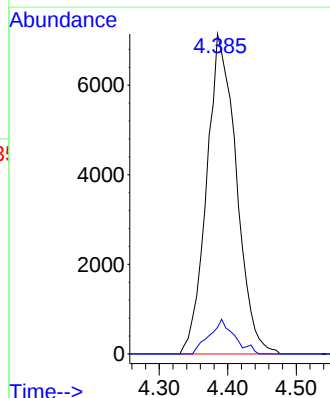
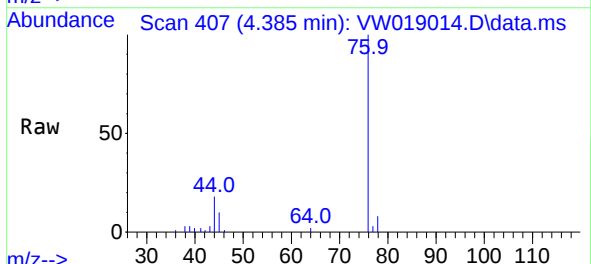
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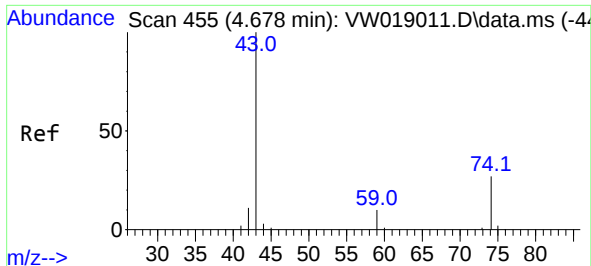
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#14
Carbon disulfide
Concen: 1.06 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 76 Resp: 21491
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0





#15
Methyl Acetate
Concen: 1.06 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

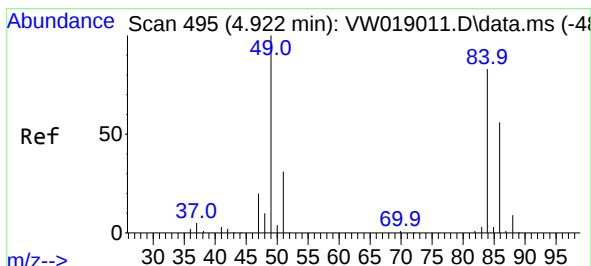
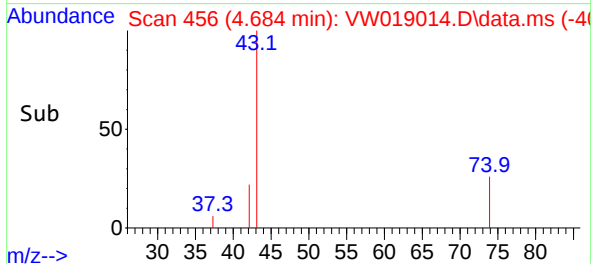
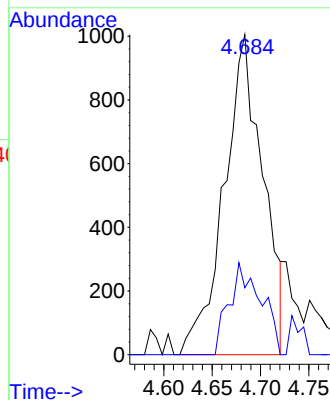
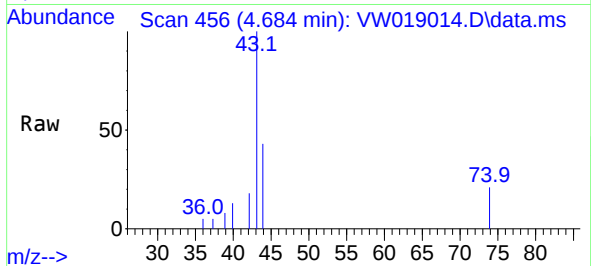
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
74 14.1 20.0 30.0#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

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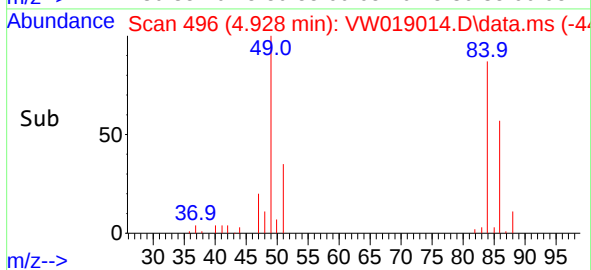
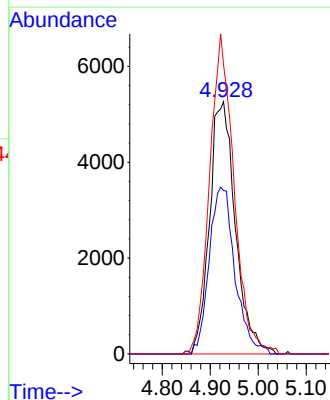
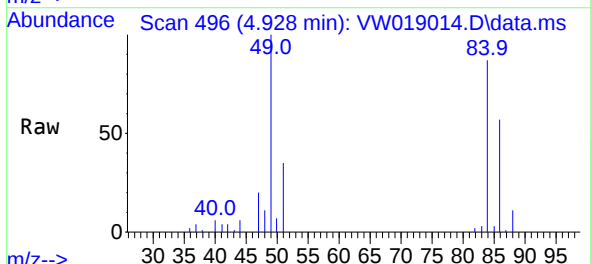
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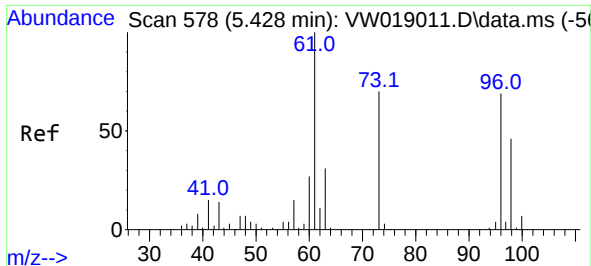
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#16
Methylene chloride
Concen: 2.09 ug/L m
RT: 4.928 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 84 Resp: 19710
Ion Ratio Lower Upper
84 100
86 64.8 45.3 84.1
49 114.6 86.6 160.8





#17
trans-1,2-Dichloroethene
Concen: 1.03 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

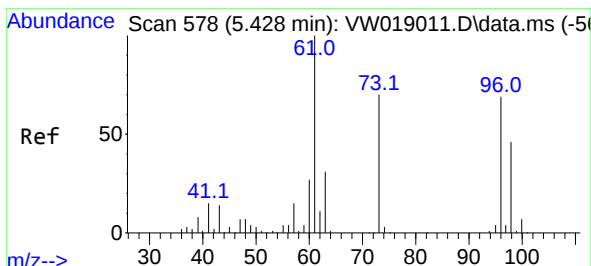
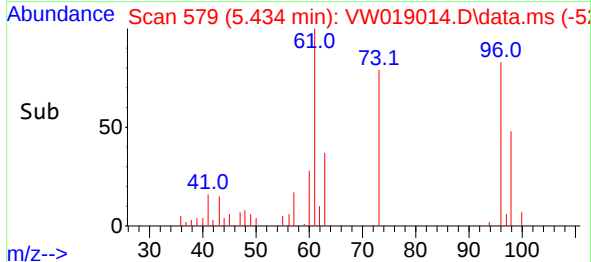
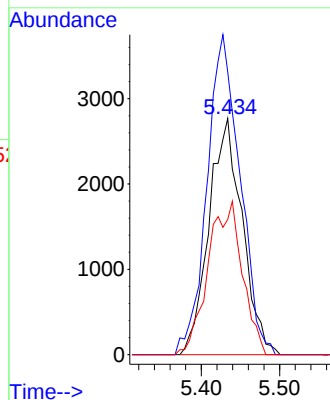
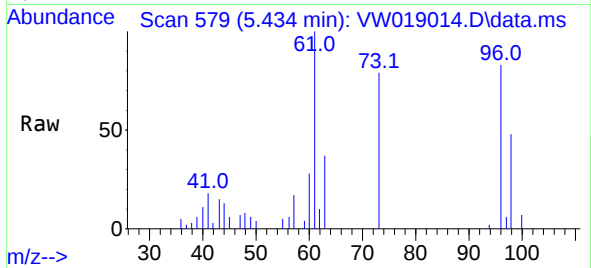
Tgt Ion:	96	Resp:	8190
Ion	Ratio	Lower	Upper
96	100		
61	119.8	98.3	182.7
98	57.3	46.1	85.7

Instrument :
MSVOA_W
ClientSampleId :
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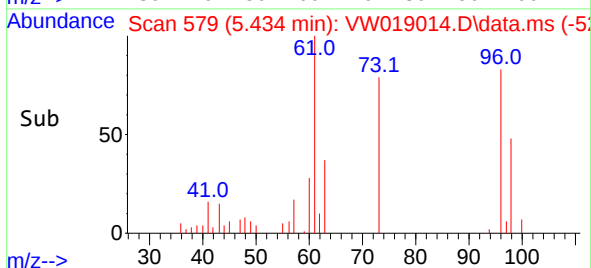
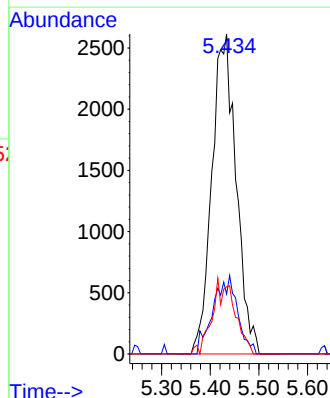
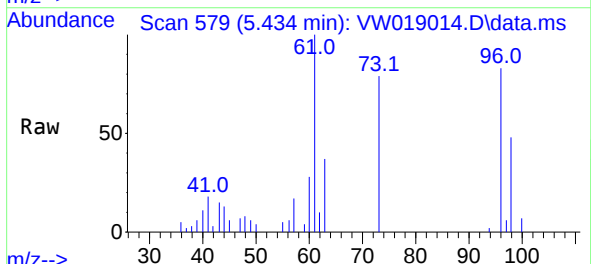
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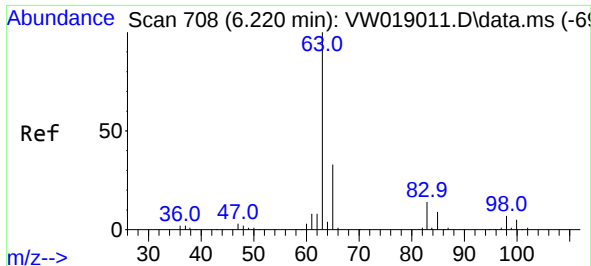
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#18
Methyl tert-butyl Ether
Concen: 0.95 ug/L m
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:	73	Resp:	9044
Ion	Ratio	Lower	Upper
73	100		
43	5.7	17.7	26.5#
57	9.0	17.0	25.4#





#19
1,1-Dichloroethane
Concen: 1.05 ug/L
RT: 6.214 min Scan# 707
Delta R.T. -0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

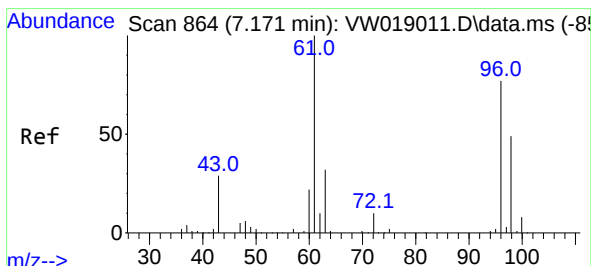
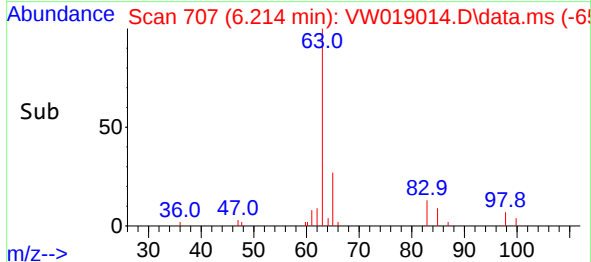
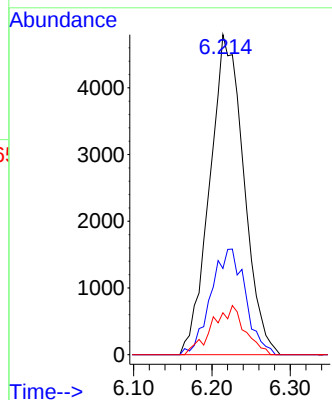
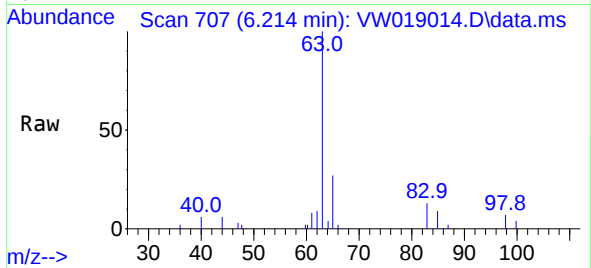
Tgt Ion:	63	Resp:	14481
Ion	Ratio	Lower	Upper
63	100		
65	27.0	22.9	42.5
83	13.1	10.2	19.0

Instrument :
MSVOA_W
ClientSampleId :
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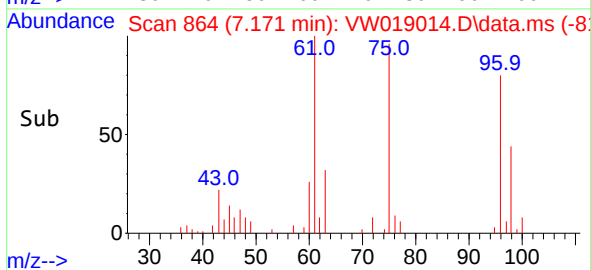
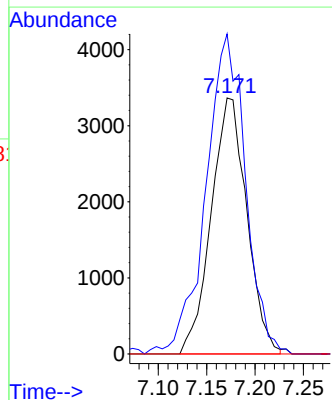
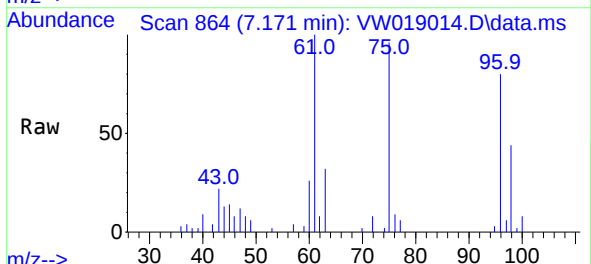
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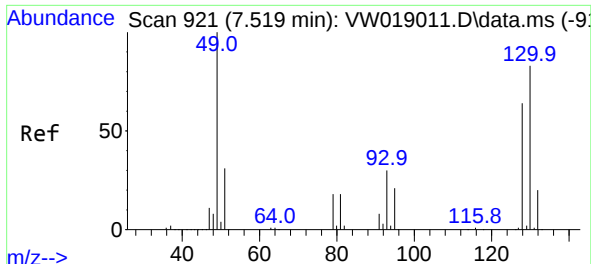
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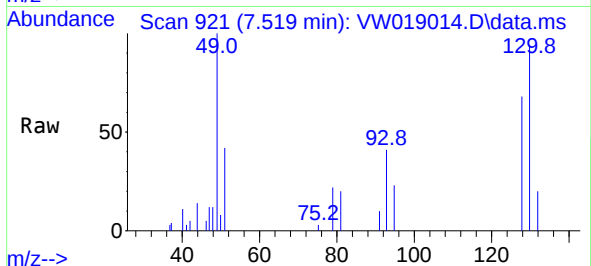
#20
cis-1,2-Dichloroethene
Concen: 1.04 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:	96	Resp:	8625
Ion	Ratio	Lower	Upper
96	100		
61	125.0	88.5	164.3
68	0.0	0.0	0.0

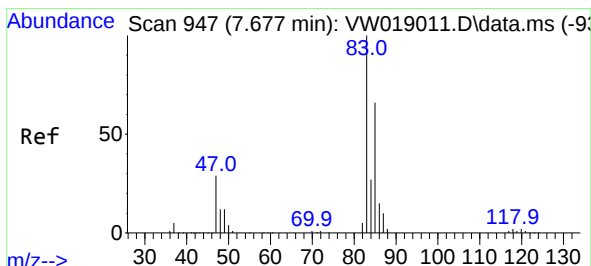
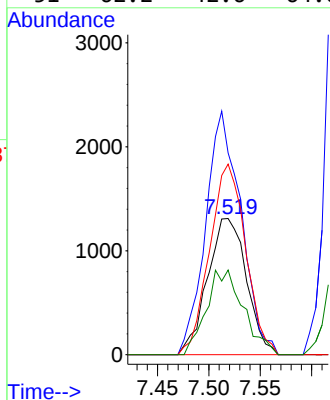
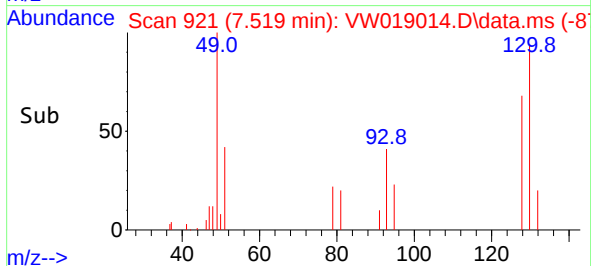




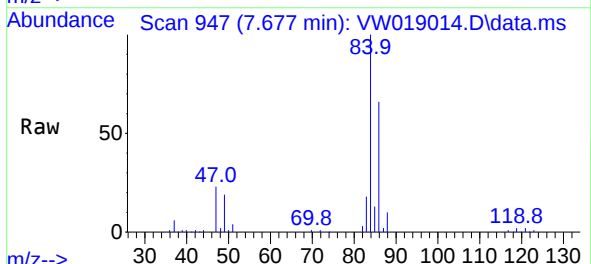
#23
Bromochloromethane
Concen: 0.96 ug/L
RT: 7.519 min Scan# 921
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



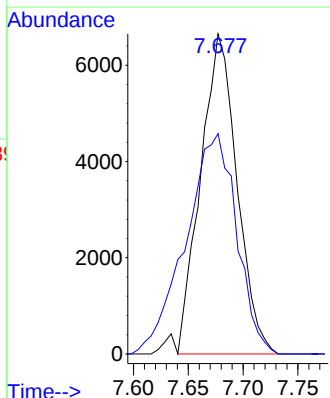
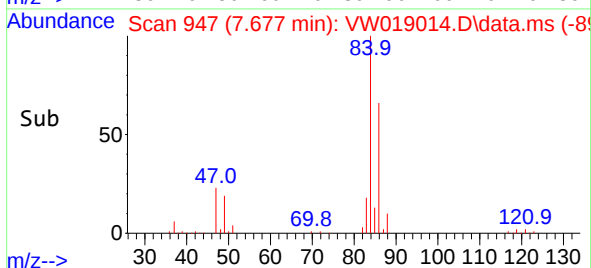
Tgt Ion: 128 Resp: 3456
Ion Ratio Lower Upper
128 100
49 148.1 116.3 215.9
130 139.8 82.4 153.0
51 62.2 42.6 64.0



#25
Chloroform
Concen: 1.08 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion: 83 Resp: 15367
Ion Ratio Lower Upper
83 100
85 68.9 44.6 82.8

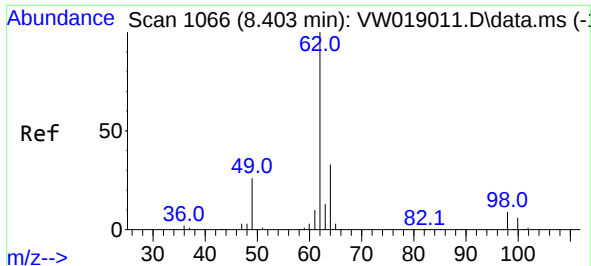


Instrument :
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#27
1,2-Dichloroethane
Concen: 1.08 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

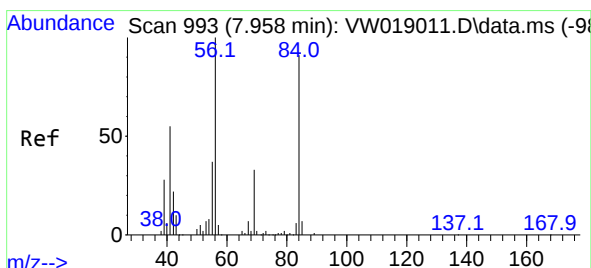
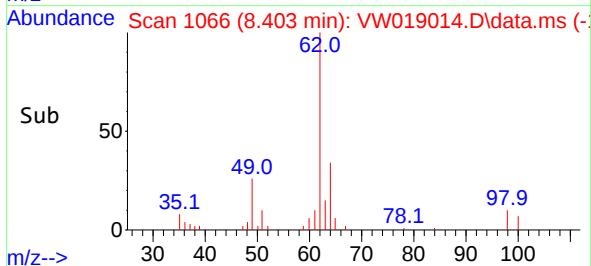
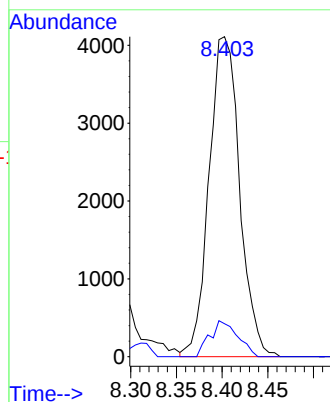
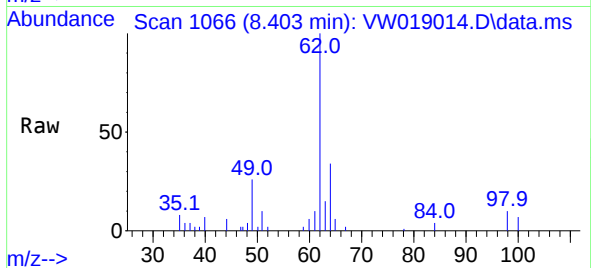
Tgt Ion: 62 Resp: 9577
Ion Ratio Lower Upper
62 100
98 10.3 6.9 10.3

Instrument :
MSVOA_W
ClientSampleId :
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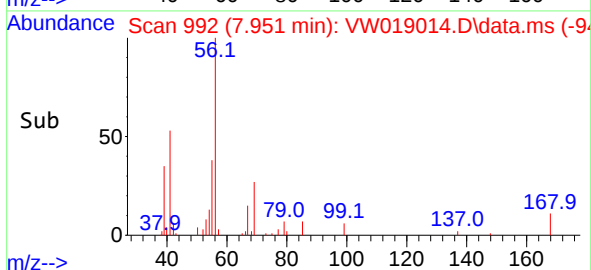
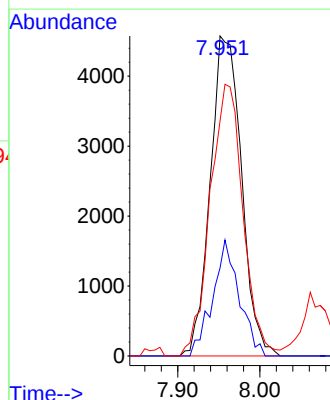
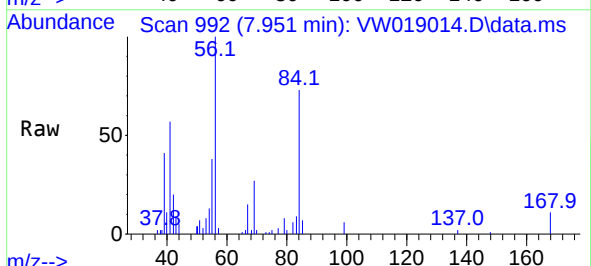
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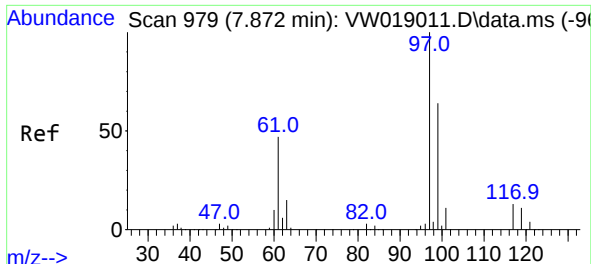
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#29
Cyclohexane
Concen: 0.97 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 56 Resp: 12090
Ion Ratio Lower Upper
56 100
69 30.8 24.5 36.7
84 89.2 75.0 112.4





#30
1,1,1-Trichloroethane
Concen: 1.01 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

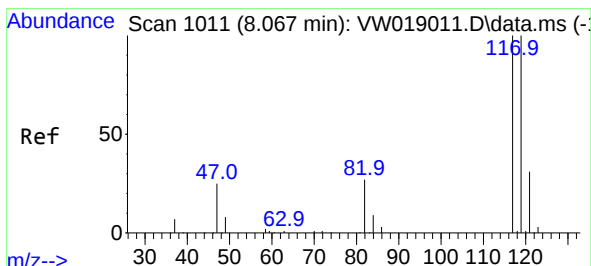
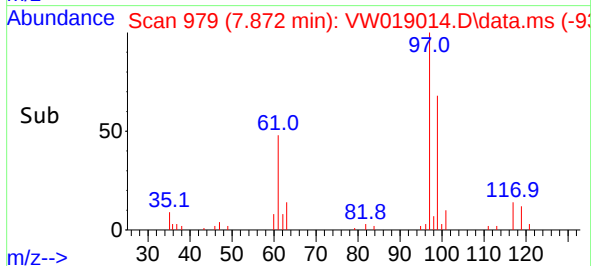
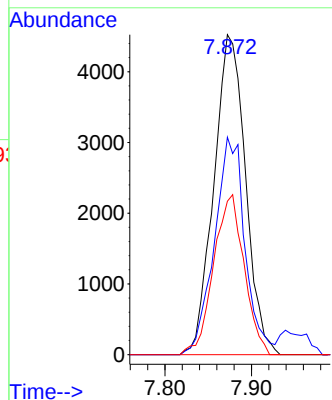
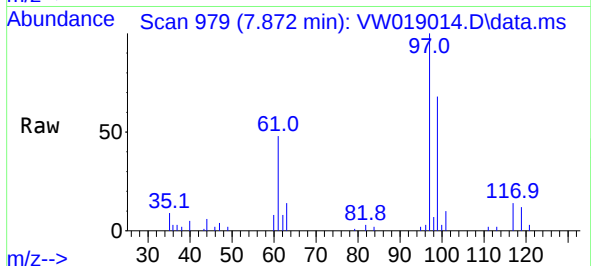
Tgt Ion: 97	Resp: 11500
Ion Ratio	Lower Upper
97 100	
99 65.7	51.4 77.2
61 48.2	37.8 56.6

Instrument :
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ClientSampleId :
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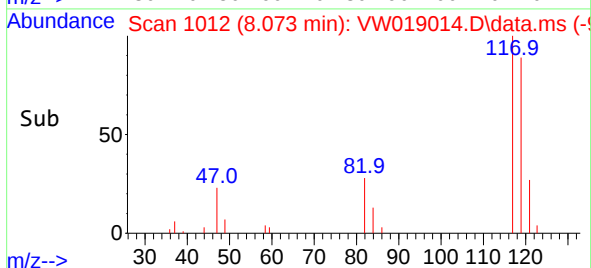
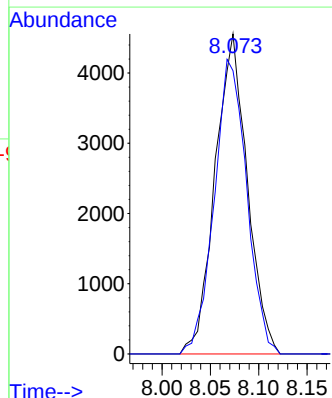
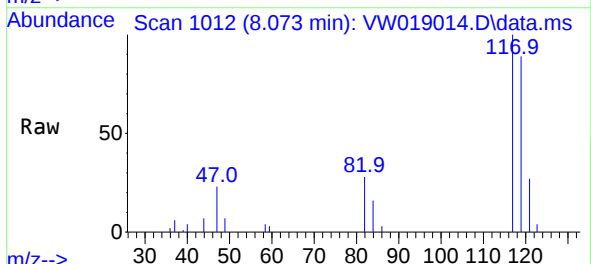
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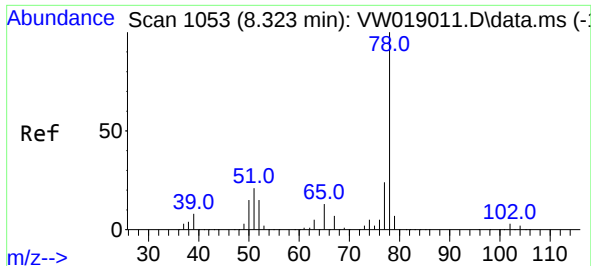
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#31
Carbon tetrachloride
Concen: 1.02 ug/L
RT: 8.073 min Scan# 1012
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:117	Resp:	10539	
Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7





#33
Benzene
Concen: 1.06 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

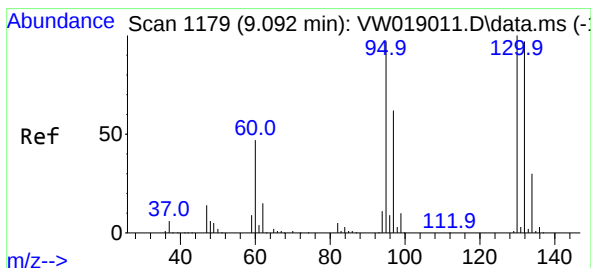
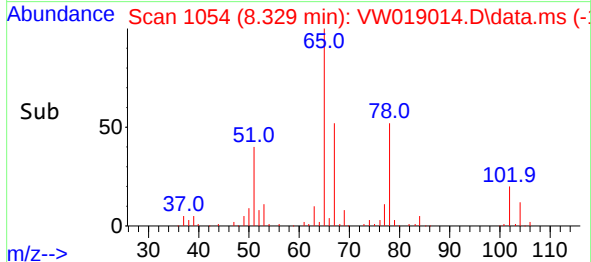
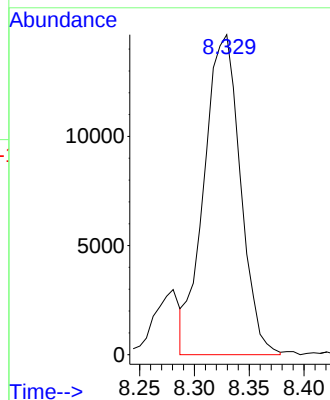
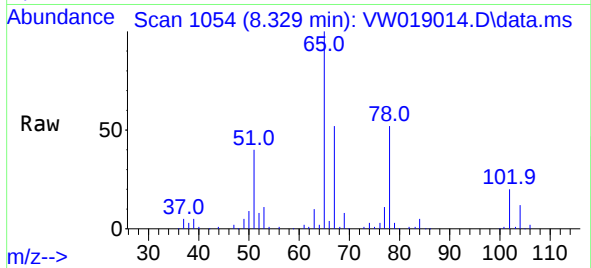
Tgt Ion: 78 Resp: 33801

Instrument :
MSVOA_W
ClientSampleId :
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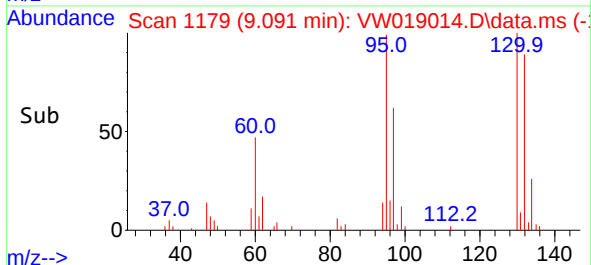
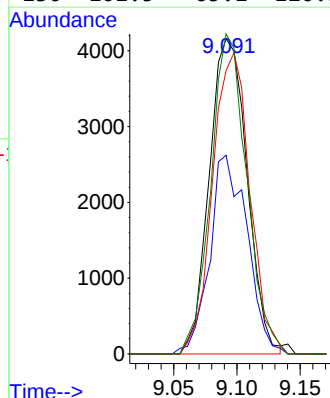
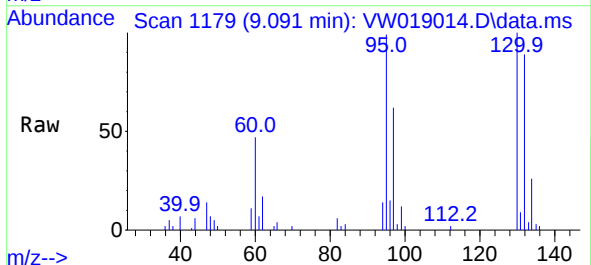
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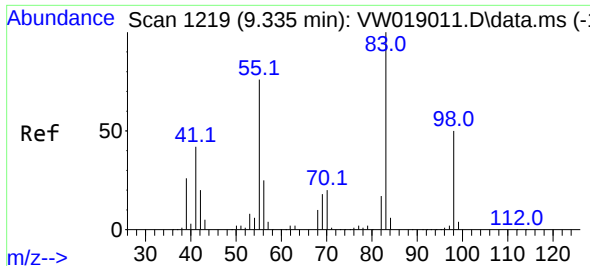


#34
Trichloroethene
Concen: 1.02 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 95 Resp: 8633

Ion	Ratio	Lower	Upper
95	100		
97	63.0	47.3	87.8
132	89.9	71.0	131.8
130	101.5	65.1	120.9





#35
Methylcyclohexane
Concen: 0.99 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

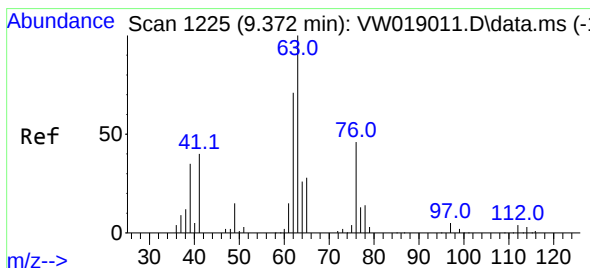
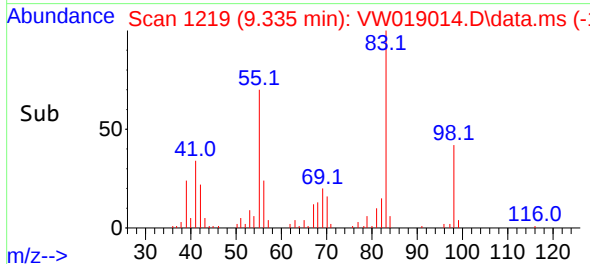
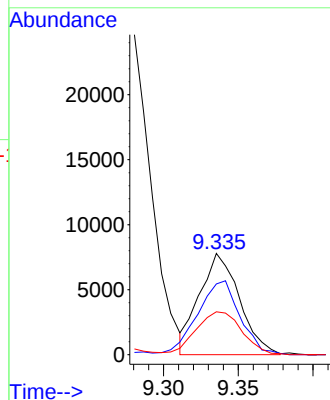
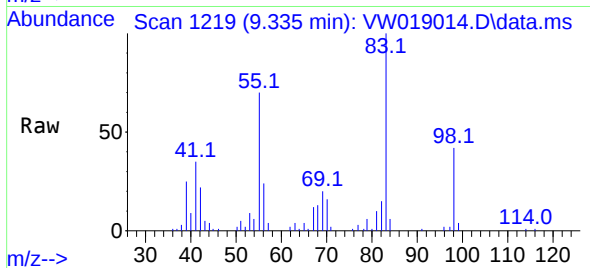
Tgt Ion: 83 Resp: 14530
Ion Ratio Lower Upper
83 100
55 77.4 58.9 88.3
98 48.5 40.1 60.1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

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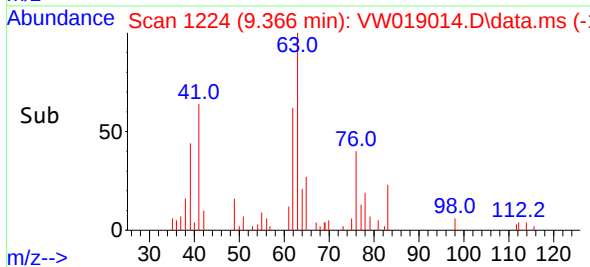
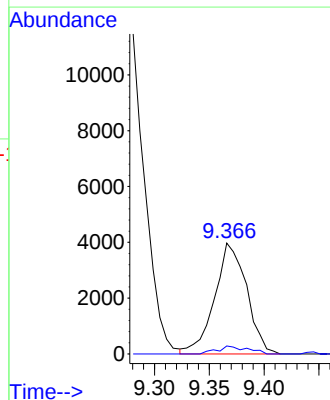
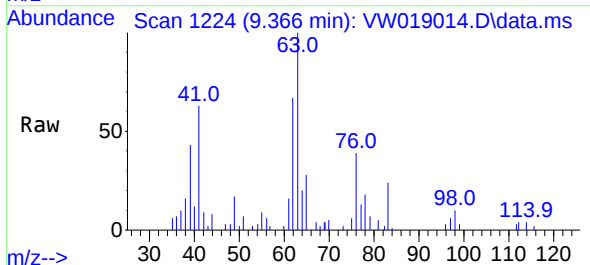
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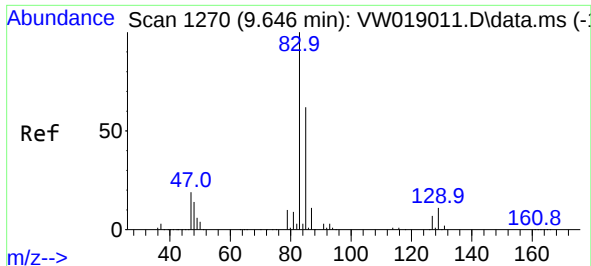
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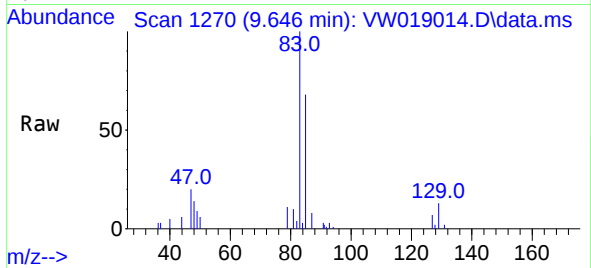
#37
1,2-Dichloropropane
Concen: 1.05 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 63 Resp: 8072
Ion Ratio Lower Upper
63 100
112 5.2 3.9 5.9

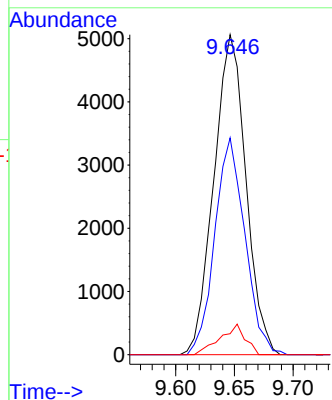




#38
Bromodichloromethane
Concen: 0.96 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:	83	Resp:	9615
Ion	Ratio	Lower	Upper
83	100		
85	67.7	42.3	78.5
127	6.5	6.6	9.8#

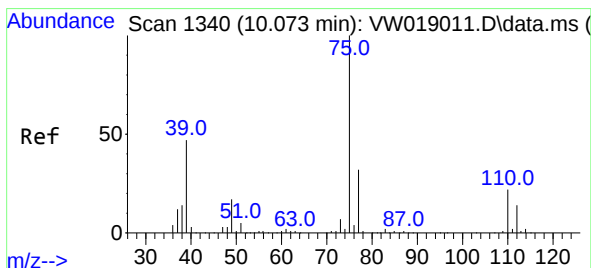
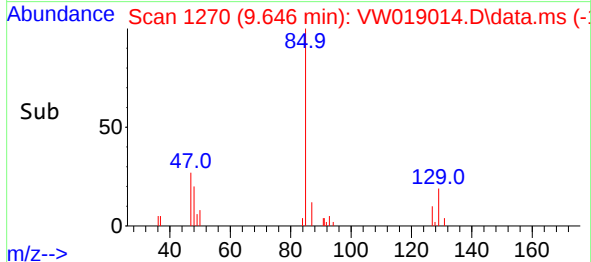


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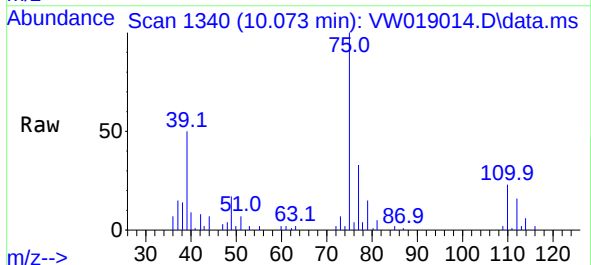
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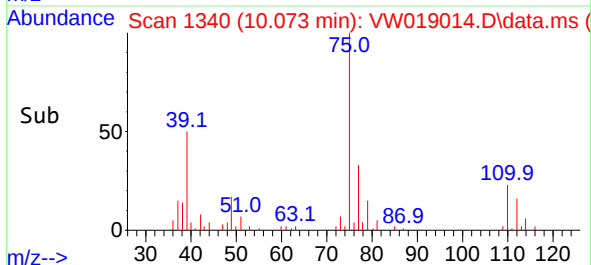
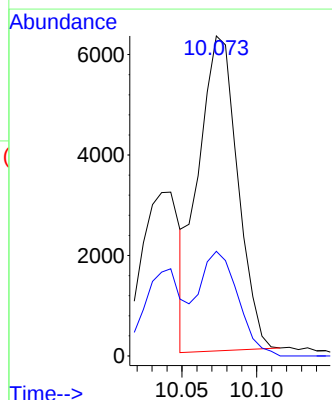
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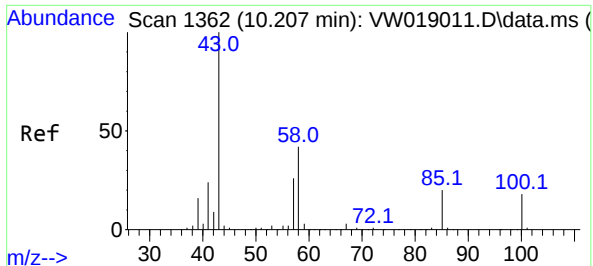


#39
cis-1,3-Dichloropropene
Concen: 0.99 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:	75	Resp:	11441
Ion	Ratio	Lower	Upper
75	100		
77	32.7	22.6	42.0





#40
4-Methyl-2-pentanone
Concen: 2.33 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

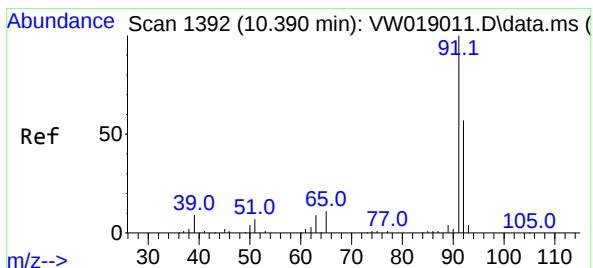
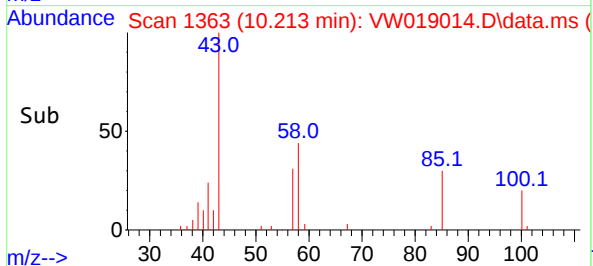
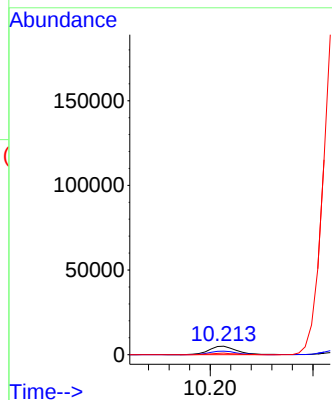
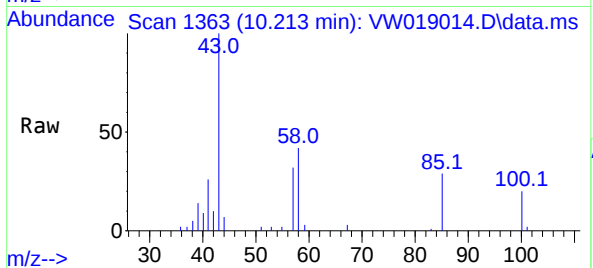
Tgt Ion: 43 Resp: 9281
Ion Ratio Lower Upper
43 100
58 41.7 31.0 46.4
100 16.5 13.0 19.6

Instrument :
MSVOA_W
ClientSampleId :
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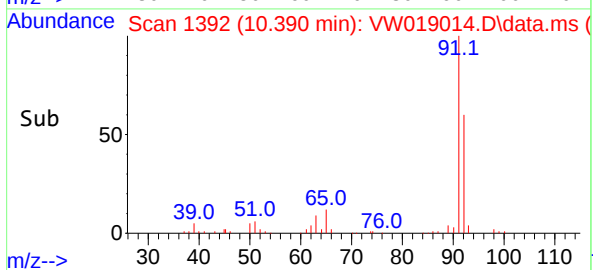
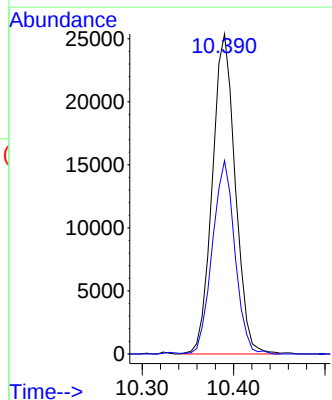
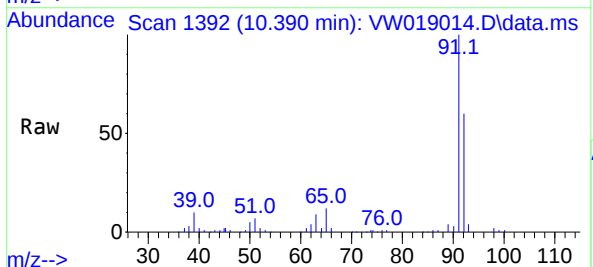
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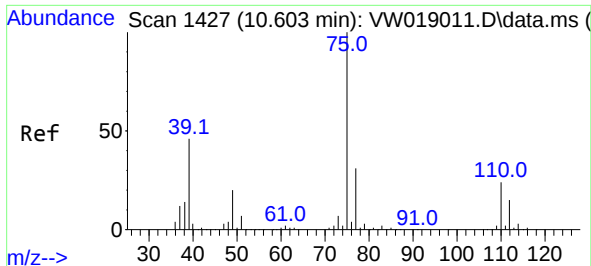
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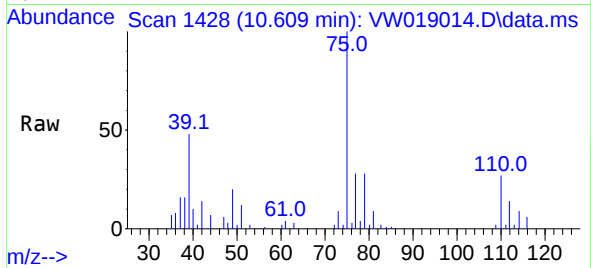
#42
Toluene
Concen: 1.26 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 91 Resp: 44274
Ion Ratio Lower Upper
91 100
92 60.4 39.5 73.3

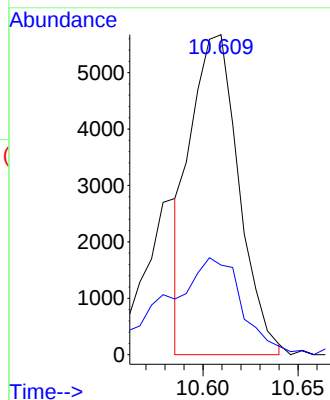
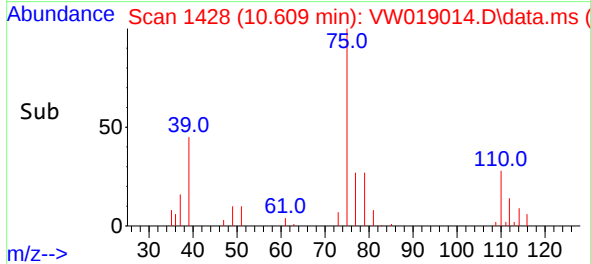




#44
trans-1,3-Dichloropropene
Concen: 1.00 ug/L m
RT: 10.609 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion: 75 Resp: 10015
Ion Ratio Lower Upper
75 100
77 28.0 21.1 39.1

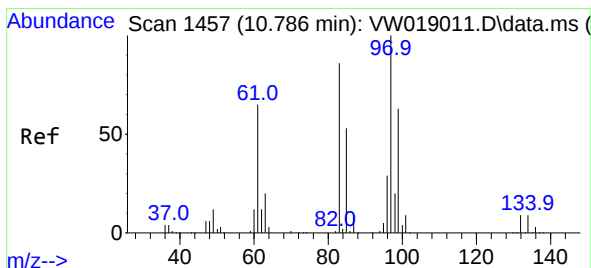


Instrument :
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ClientSampleId :
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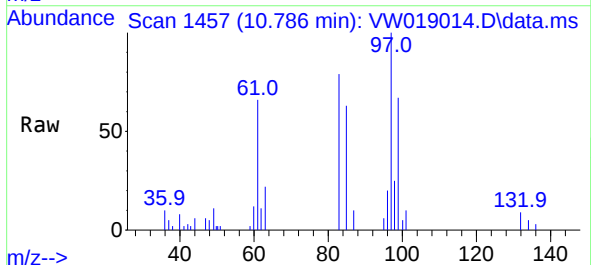
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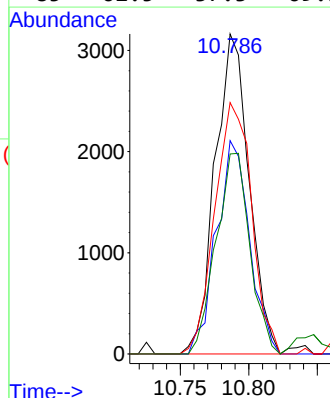
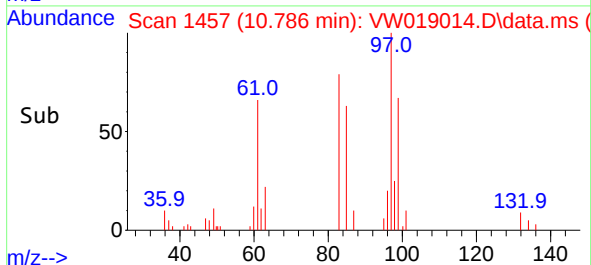
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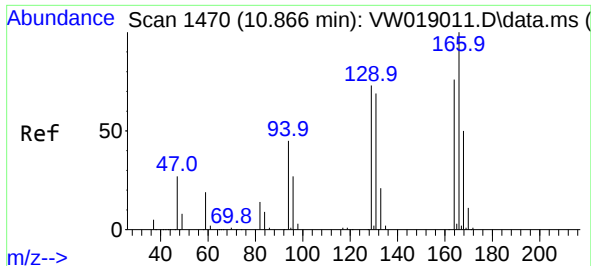


#45
1,1,2-Trichloroethane
Concen: 0.97 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion: 97 Resp: 5456
Ion Ratio Lower Upper
97 100
99 66.6 45.1 83.7
83 78.5 58.1 107.9
85 62.5 37.3 69.3





#46
Tetrachloroethene
Concen: 1.03 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

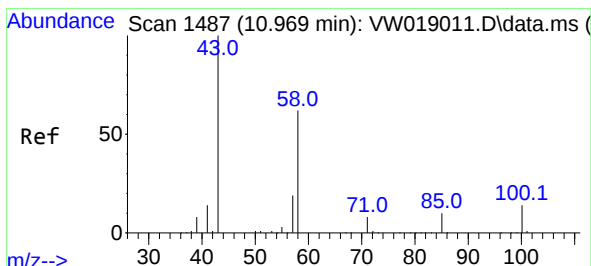
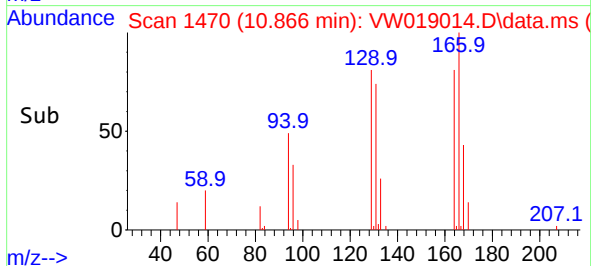
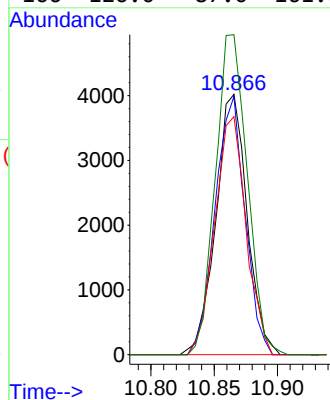
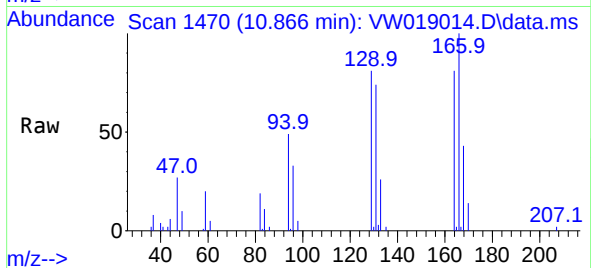
Tgt	Ion:164	Resp:	6919
Ion	Ratio	Lower	Upper
164	100		
129	99.2	66.7	123.9
131	91.5	61.1	113.5
166	126.0	87.0	161.6

Instrument :
MSVOA_W
ClientSampleId :
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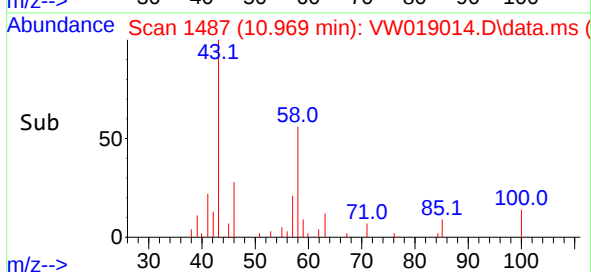
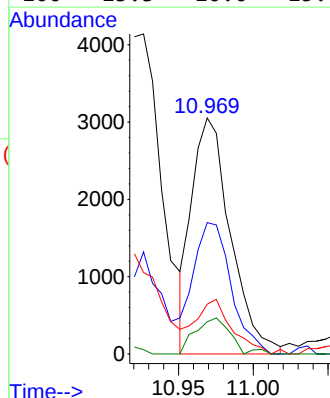
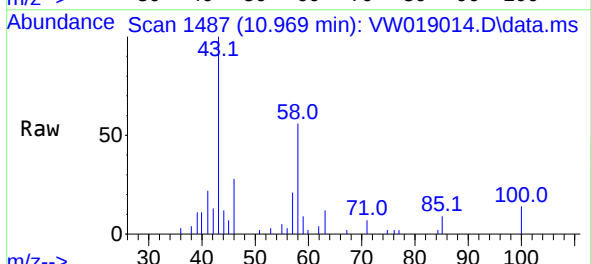
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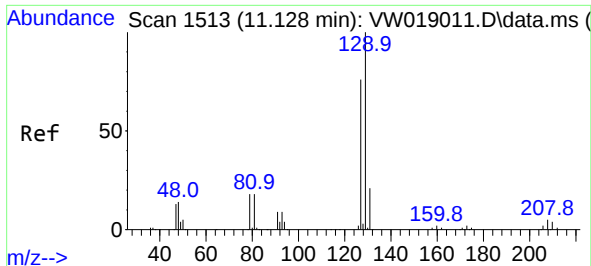
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#48
2-Hexanone
Concen: 2.12 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion: 43	Resp: 5508
Ion Ratio	Lower Upper
43 100	
58 56.8	42.7 64.1
57 21.8	15.8 23.8
100 13.3	10.0 15.0





#49
Dibromochloromethane
Concen: 0.94 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

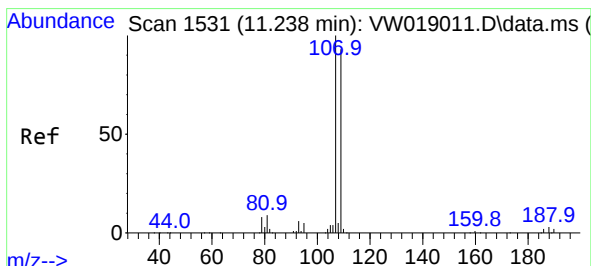
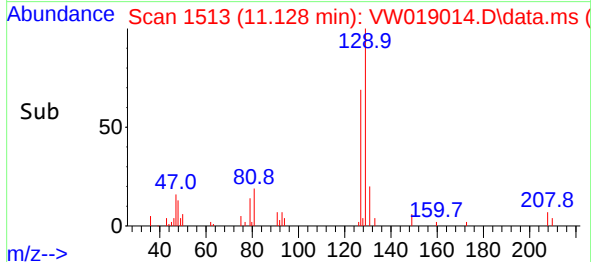
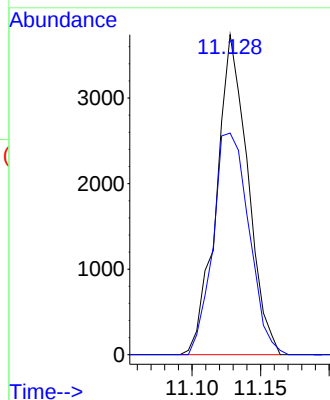
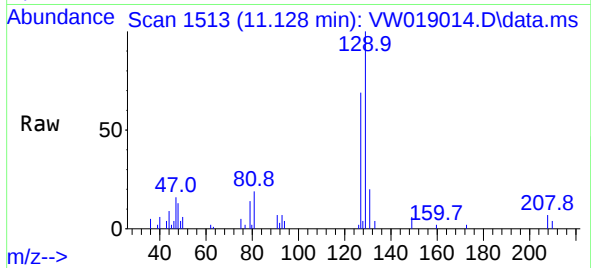
Tgt Ion:129 Resp: 5961
Ion Ratio Lower Upper
129 100
127 69.2 51.7 95.9

Instrument :
MSVOA_W
ClientSampleId :
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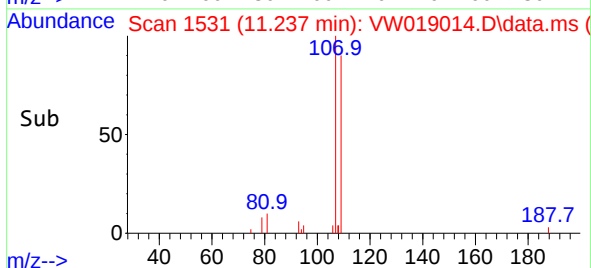
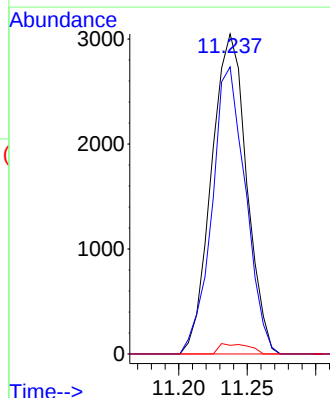
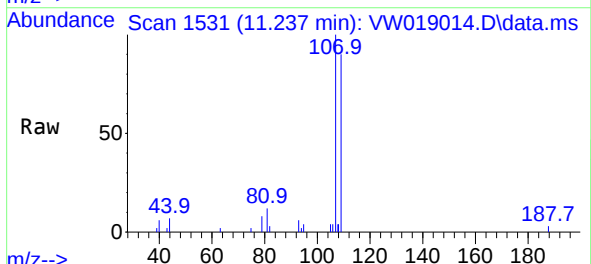
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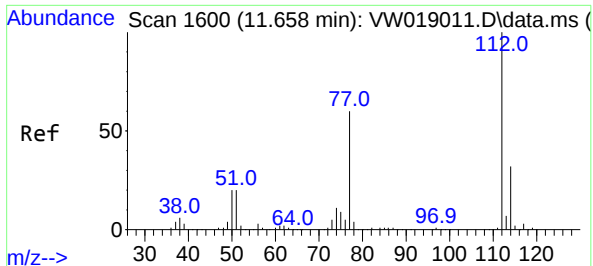
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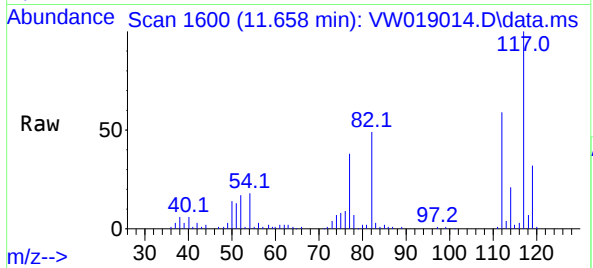
#50
1,2-Dibromoethane
Concen: 1.04 ug/L
RT: 11.237 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:107 Resp: 5448
Ion Ratio Lower Upper
107 100
109 89.7 65.4 121.4
188 2.7 2.6 4.0

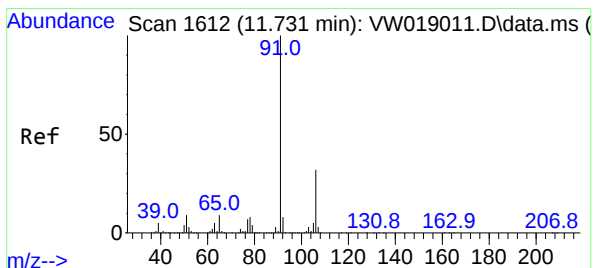
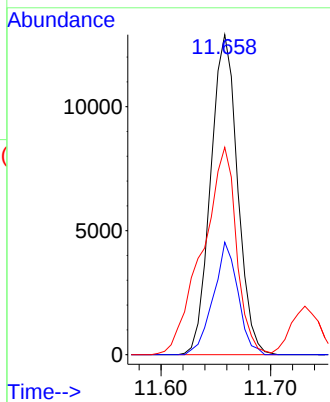
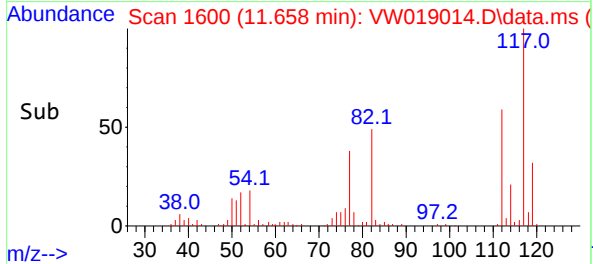




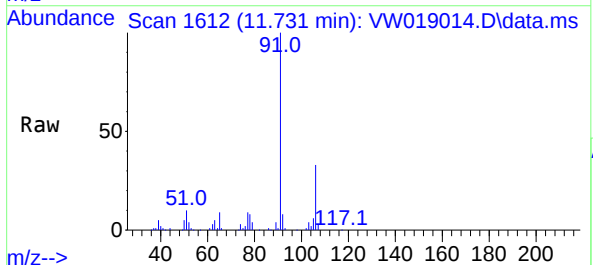
#51
Chlorobenzene
Concen: 1.01 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



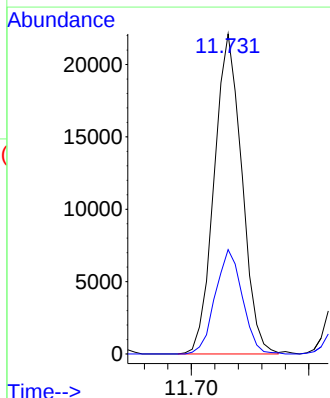
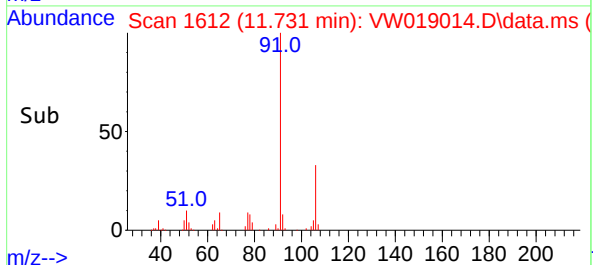
Tgt Ion:	112	Resp:	21959
Ion Ratio	Lower	Upper	
112	100		
114	35.1	23.4	43.6
77	64.8	47.6	71.4



#52
Ethylbenzene
Concen: 0.93 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:	91	Resp:	36217
Ion Ratio	Lower	Upper	
91	100		
106	32.6	22.5	41.7

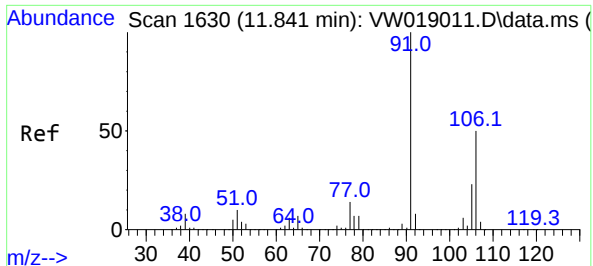


Instrument :
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ClientSampleId :
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#53
m,p-Xylene
Concen: 0.92 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

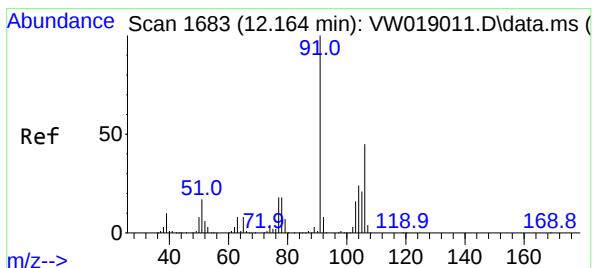
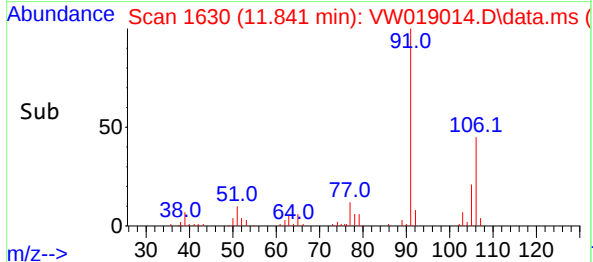
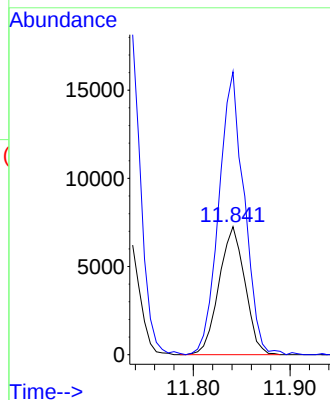
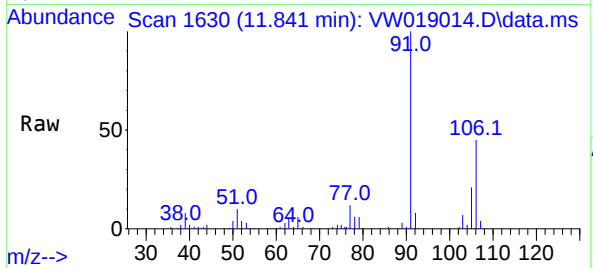
Tgt Ion:106 Resp: 13519
Ion Ratio Lower Upper
106 100
91 221.1 141.3 262.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

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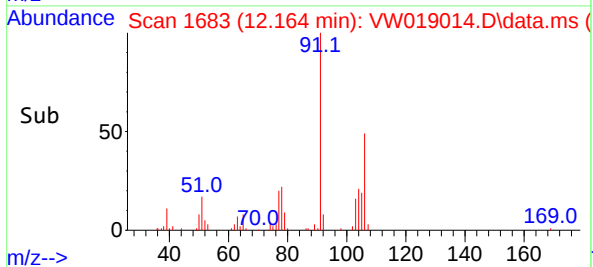
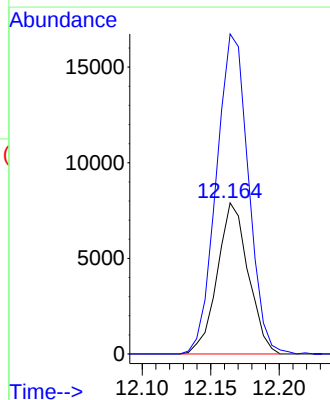
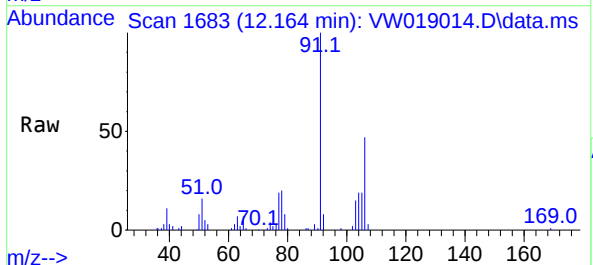
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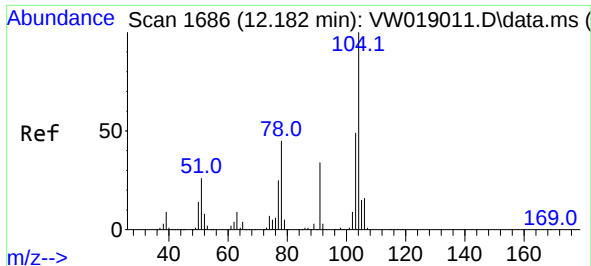
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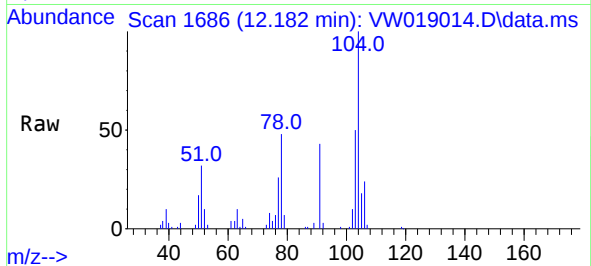
#54
o-Xylene
Concen: 0.90 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:106 Resp: 12438
Ion Ratio Lower Upper
106 100
91 211.9 150.0 278.6

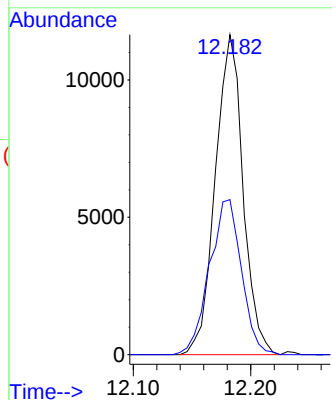
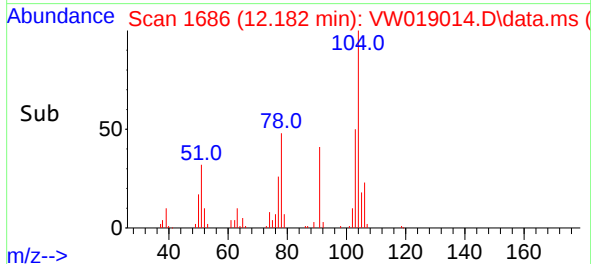




#55
Styrene
Concen: 0.82 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:104 Resp: 19129
Ion Ratio Lower Upper
104 100
78 48.4 32.5 60.3

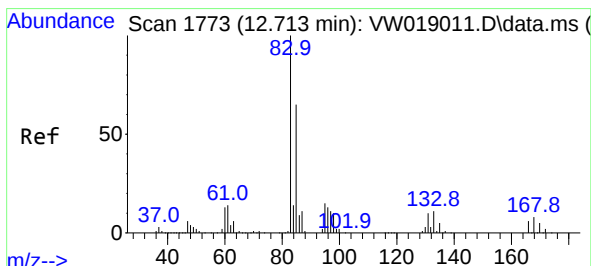


Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

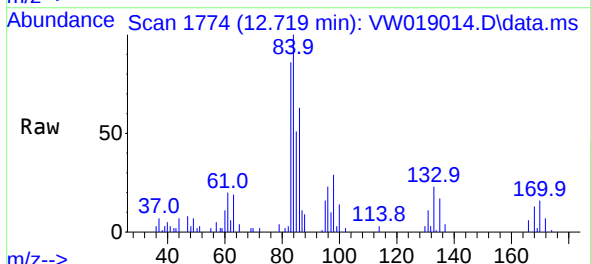
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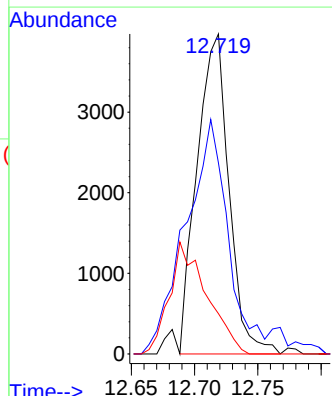
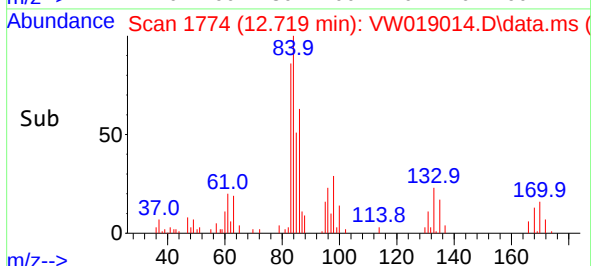
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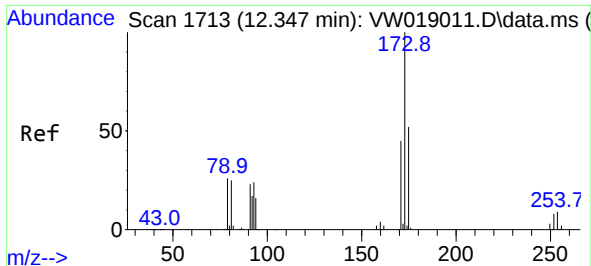


#57
1,1,2,2-Tetrachloroethane
Concen: 1.08 ug/L
RT: 12.719 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

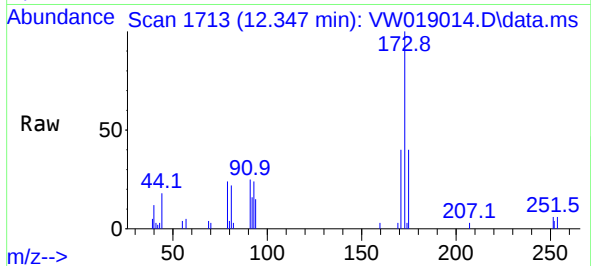


Tgt Ion: 83 Resp: 6987
Ion Ratio Lower Upper
83 100
85 59.7 44.4 82.4
131 12.6 8.2 12.4#

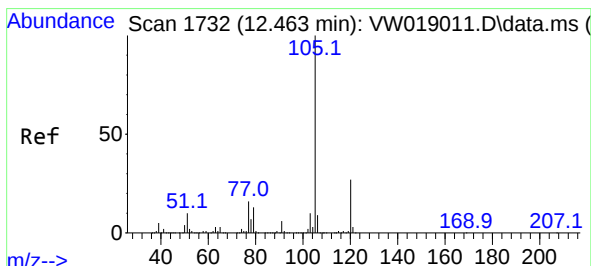
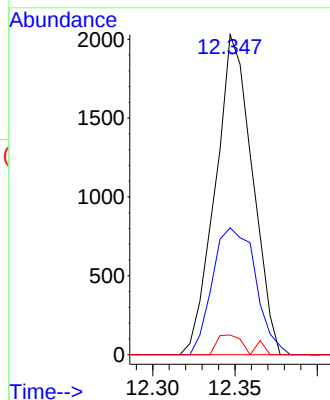
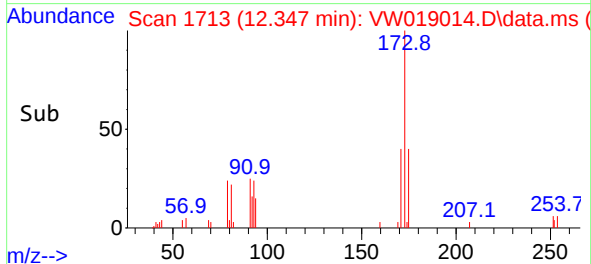




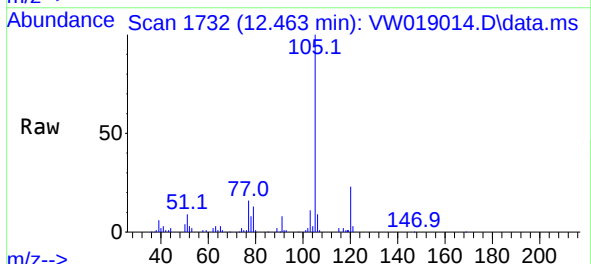
#59
Bromoform
Concen: 0.99 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



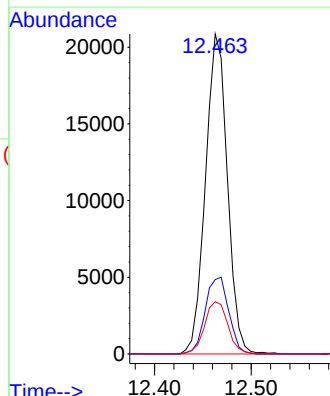
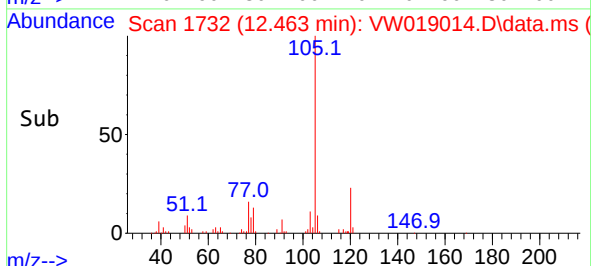
Tgt Ion:173 Resp: 3167
Ion Ratio Lower Upper
173 100
175 46.3 37.5 56.3
254 4.0 7.0 10.4#



#60
Isopropylbenzene
Concen: 0.91 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:105 Resp: 32892
Ion Ratio Lower Upper
105 100
120 25.7 21.1 31.7
77 17.4 13.2 19.8

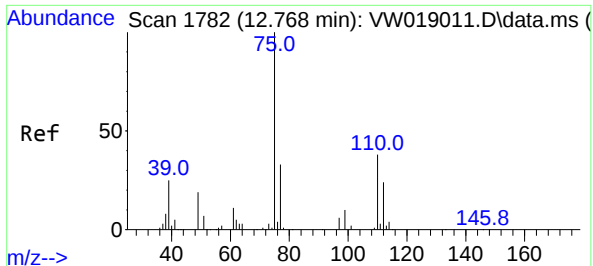


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#61
1,2,3-Trichloropropane
Concen: 1.13 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

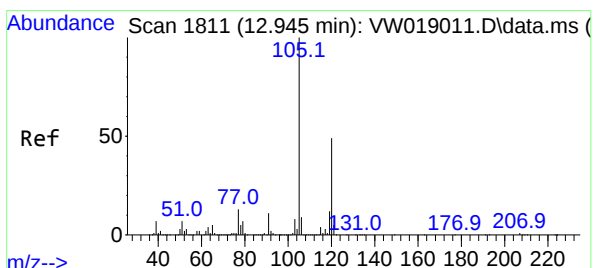
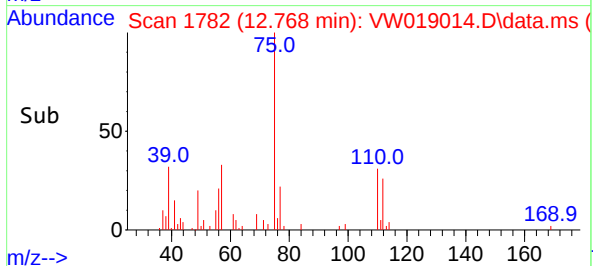
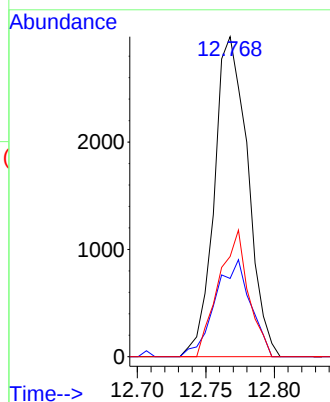
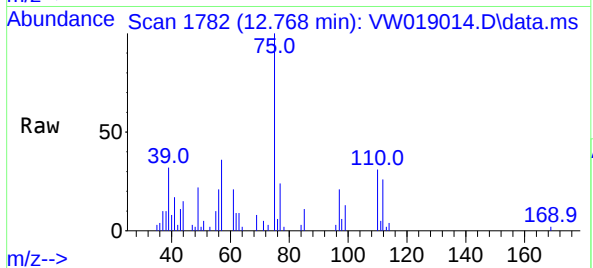
Tgt Ion:	75	Resp:	5058
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9
110	35.4	32.6	48.8

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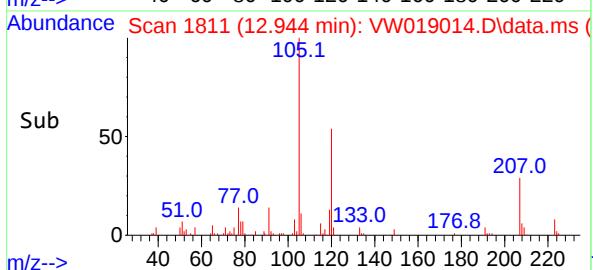
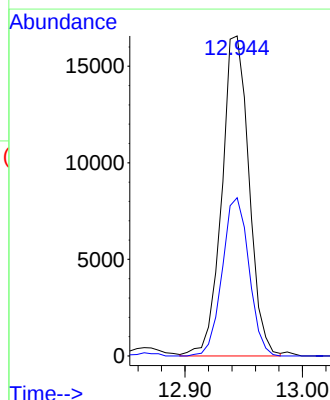
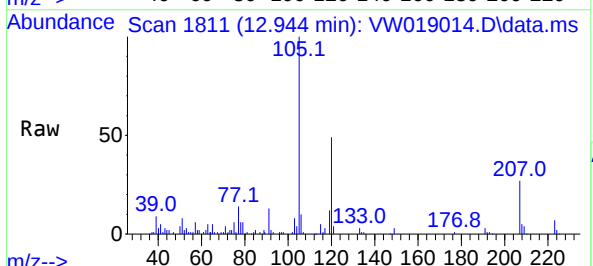
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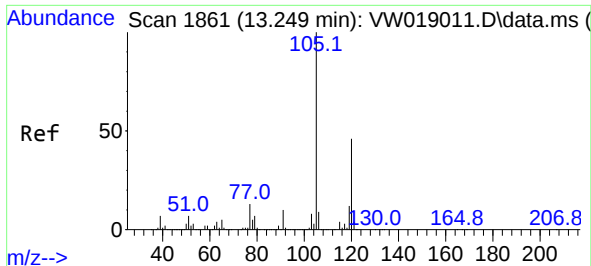
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#62
1,3,5-Trimethylbenzene
Concen: 0.92 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

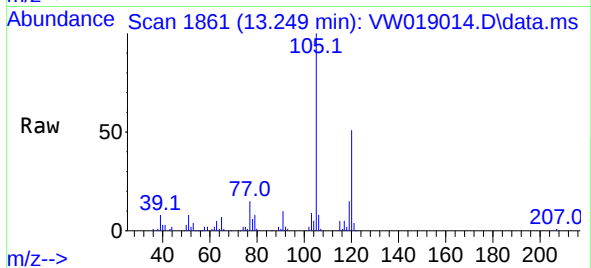
Tgt Ion:	105	Resp:	26756
Ion	Ratio	Lower	Upper
105	100		
120	48.4	39.0	58.6





#63
1,2,4-Trimethylbenzene
Concen: 0.94 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Instrument :
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ClientSampleId :
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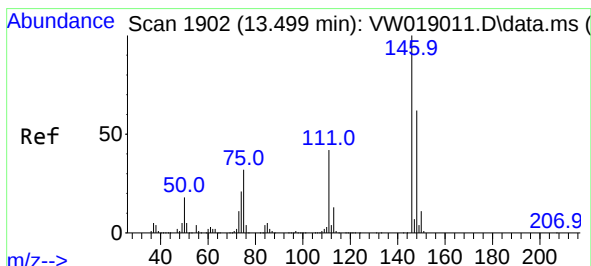
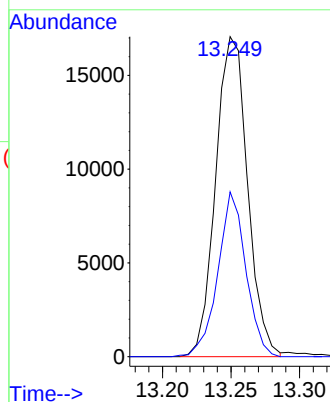


Tgt Ion:105 Resp: 27645
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4

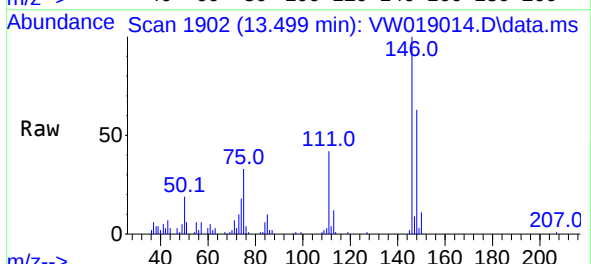
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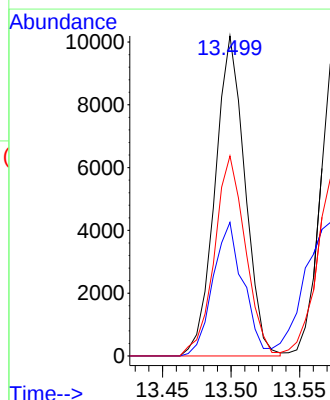
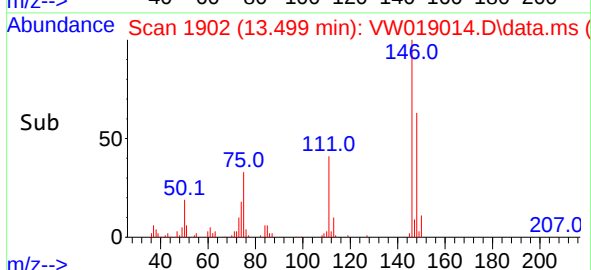
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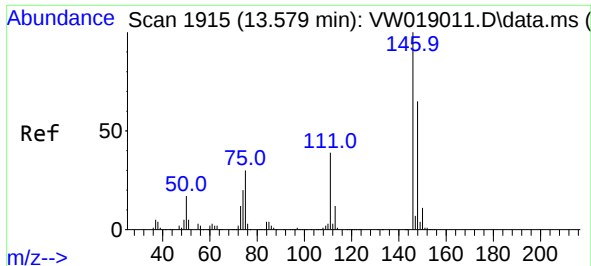


#64
1,3-Dichlorobenzene
Concen: 0.99 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

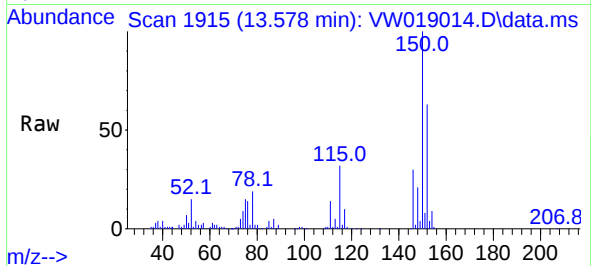


Tgt Ion:146 Resp: 15463
Ion Ratio Lower Upper
146 100
111 41.8 26.7 49.7
148 62.5 41.1 76.3

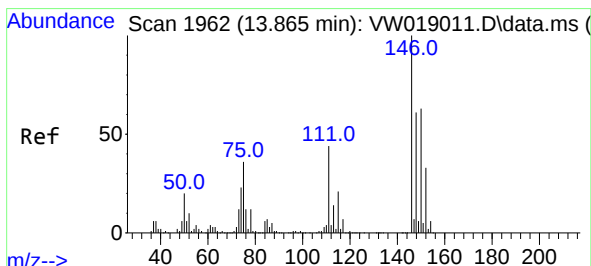
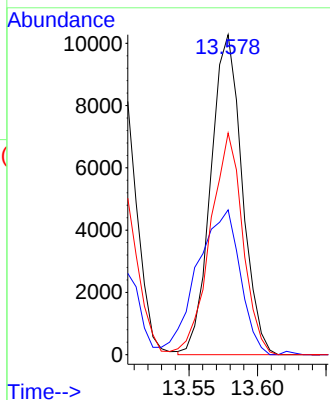
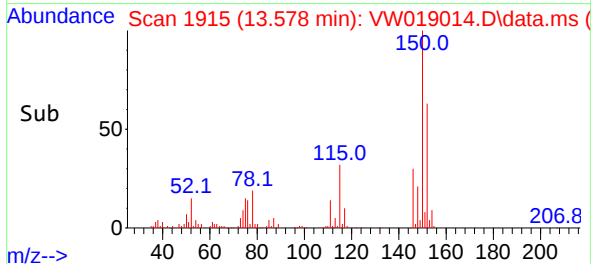




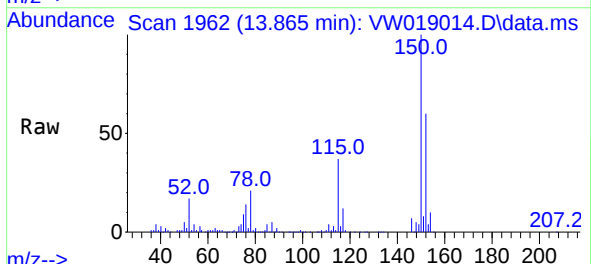
#65
1,4-Dichlorobenzene
Concen: 1.05 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



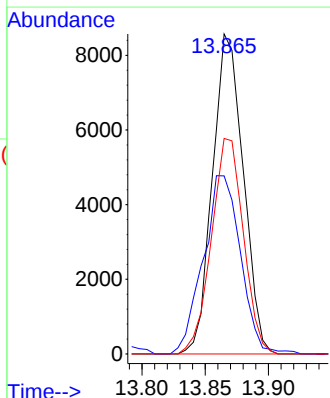
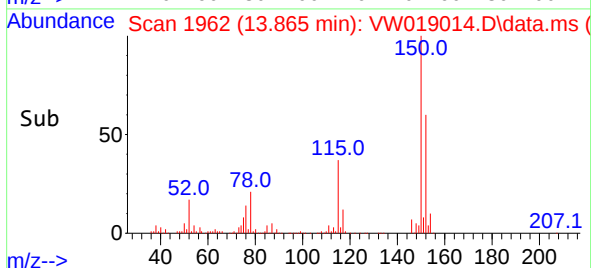
Tgt Ion:146 Resp: 16316
Ion Ratio Lower Upper
146 100
111 45.3 28.8 53.4
148 69.2 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 1.05 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55



Tgt Ion:146 Resp: 14514
Ion Ratio Lower Upper
146 100
111 55.7 33.2 49.8#
148 67.4 50.4 75.6

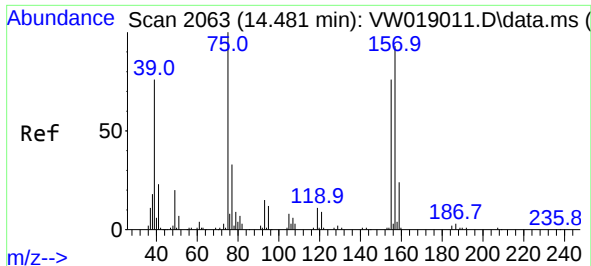


Instrument :
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#68
1,2-Dibromo-3-chloropropane
Concen: 1.34 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

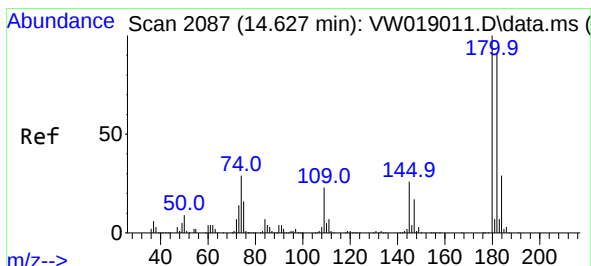
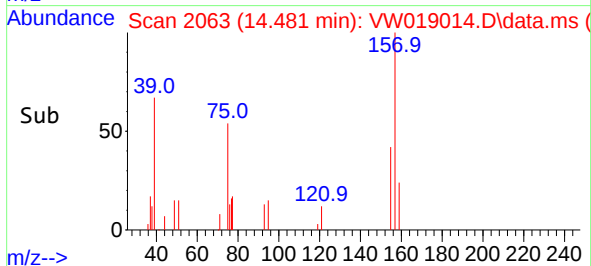
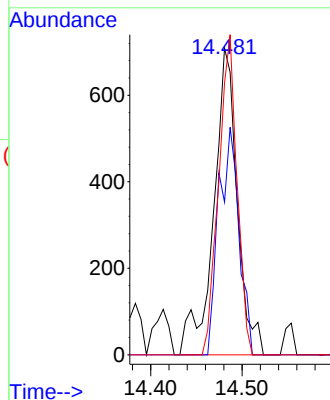
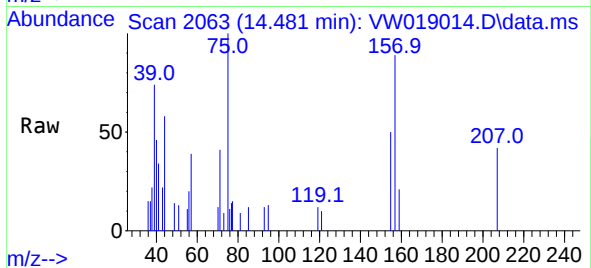
Tgt Ion: 75 Resp: 1277
Ion Ratio Lower Upper
75 100
155 49.8 59.4 89.0#
157 88.6 72.2 108.2

Instrument :
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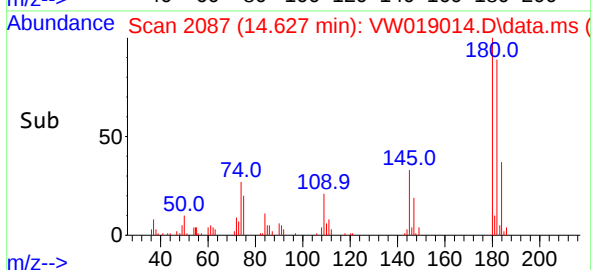
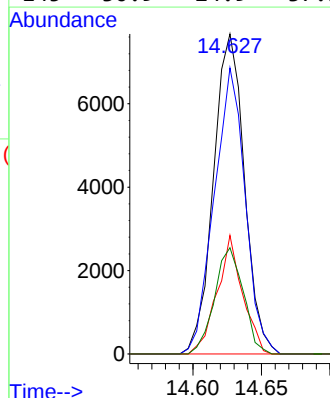
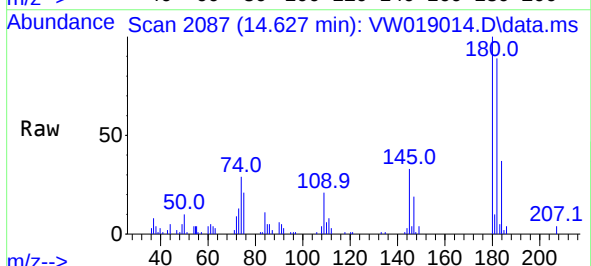
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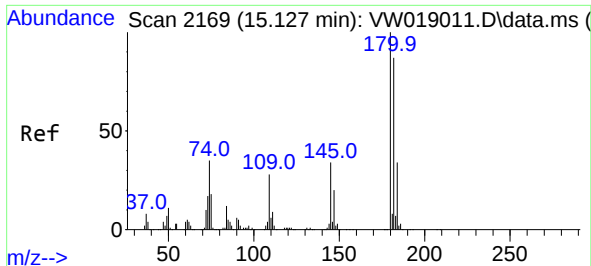
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#69
1,3,5-Trichlorobenzene
Concen: 1.05 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:180 Resp: 12043
Ion Ratio Lower Upper
180 100
182 89.1 73.4 110.2
184 30.6 23.6 35.4
145 30.9 24.9 37.3





#70
1,2,4-trichlorobenzene
Concen: 1.04 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

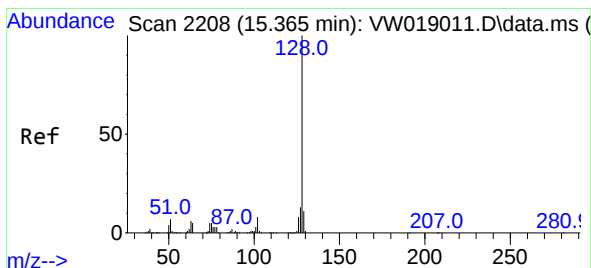
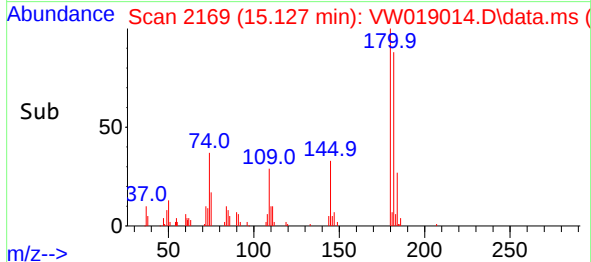
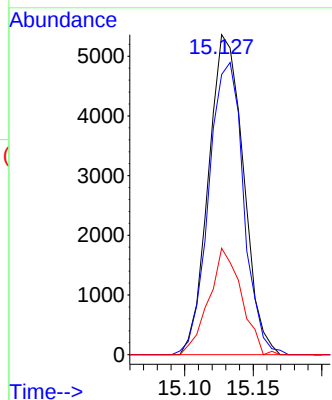
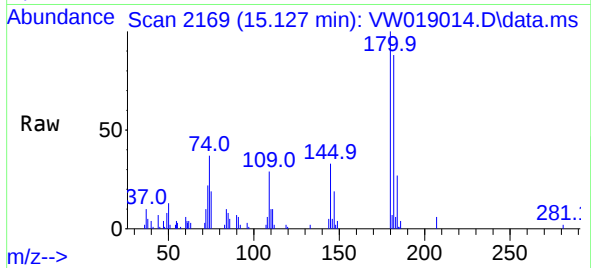
Tgt Ion:	180	Resp:	9496
Ion Ratio	Lower	Upper	
180	100		
182	90.8	74.7	112.1
145	30.7	25.0	37.4

Instrument :
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ClientSampleId :
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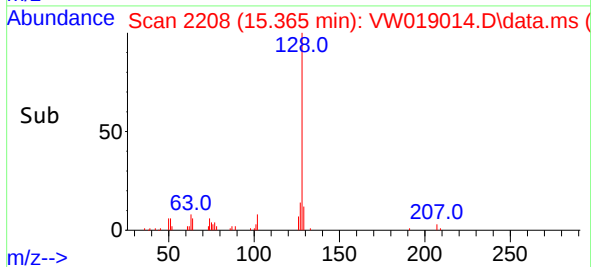
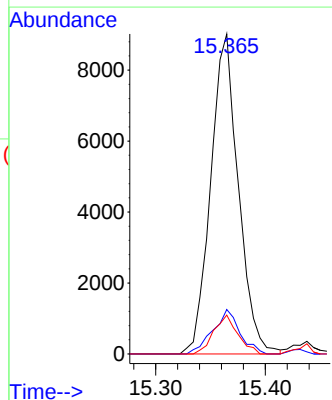
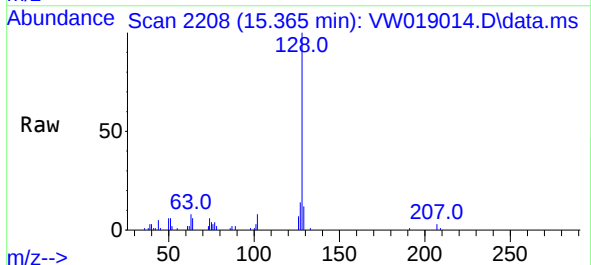
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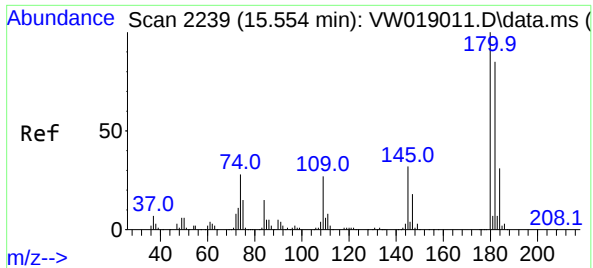
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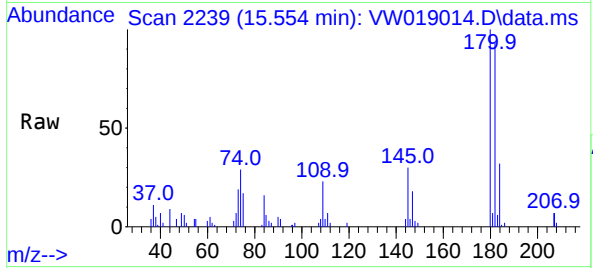
#71
Naphthalene
Concen: 0.96 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019014.D
Acq: 18 May 2021 11:55

Tgt Ion:	128	Resp:	15821
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	10.6	9.0	13.6

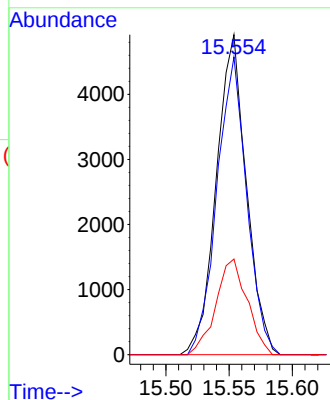
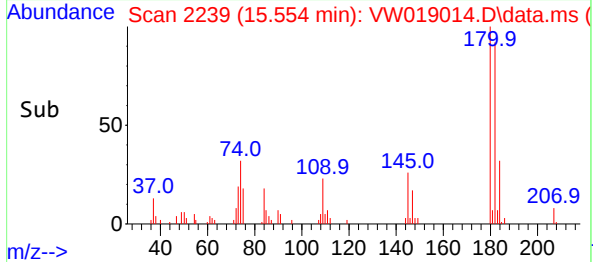




1,2,3-Trichlorobenzene
 Concen: 1.01 ug/L
 RT: 15.554 min Scan# 2239
 Delta R.T. -0.000 min
 Lab File: VW019014.D
 Acq: 18 May 2021 11:55



Tgt Ion:	180	Resp:	8113
Ion Ratio	Lower	Upper	
180	100		
182	92.2	76.7	115.1
145	31.2	28.9	43.3



Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

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