

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082621\
 Data File : VW019917.D
 Acq On : 26 Aug 2021 15:10
 Operator : SY/VA
 Sample : M3526-17
 Misc : 4.99g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 27 01:04:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081821SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 27 00:59:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	451033	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	435429	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	565181	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	135974	19.458	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.840%
7) Chloroethane-d5	2.897	69	118655	19.344	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.360%
11) 1,1-Dichloroethene-d2	4.025	63	164455	13.562	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.240%
21) 2-Butanone-d5	7.086	46	44879	31.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.240%
24) Chloroform-d	7.653	84	230175	18.556	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.240%
26) 1,2-Dichloroethane-d4	8.311	65	116177	17.380	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	69.520%#
32) Benzene-d6	8.274	84	487454	19.634	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.520%
36) 1,2-Dichloropropane-d6	9.280	67	321275	42.732	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	170.920%#
41) Toluene-d8	10.329	98	1686916	74.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	296.560%#
43) trans-1,3-Dichloroprop...	10.579	79	44720	14.398	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	57.600%
47) 2-Hexanone-d5	10.926	63	67841	64.772	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.540%
56) 1,1,2,2-Tetrachloroeth...	12.713	84	344074	56.229	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	224.920%#
66) 1,2-Dichlorobenzene-d4	13.871	152	246388	12.709	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	50.840%#
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	9032	7.454	ug/L	86
16) Methylene chloride	4.927	84	40930	5.287	ug/L	95
22) 2-Butanone	7.171	43	6482	4.128	ug/L	# 65
27) 1,2-Dichloroethane	8.445	62	3588	0.467	ug/L	# 1
29) Cyclohexane	7.933	56	64011	6.260	ug/L	# 46
35) Methylcyclohexane	9.305	83	1597736	134.079	ug/L	# 30
37) 1,2-Dichloropropane	9.384	63	4379	0.662	ug/L	# 85
38) Bromodichloromethane	9.616	83	303466	35.393	ug/L	# 56
40) 4-Methyl-2-pentanone	10.219	43	105216	29.896	ug/L	# 44
42) Toluene	10.329	91	84118	2.971	ug/L	# 36
45) 1,1,2-Trichloroethane	10.768	97	5169970	1078.953	ug/L	# 22
48) 2-Hexanone	10.945	43	9715059	3965.449	ug/L	# 22
49) Dibromochloromethane	11.054	129	26180	4.776	ug/L	# 64
50) 1,2-Dibromoethane	11.231	107	11962	2.658	ug/L	# 1
51) Chlorobenzene	11.676	112	41385	2.302	ug/L	# 1
52) Ethylbenzene	11.731	91	3914822	128.448	ug/L	98
53) m,p-Xylene	11.847	106	164845	14.084	ug/L	69
54) o-Xylene	12.170	106	1118409	101.018	ug/L	96
55) Styrene	12.170	104	56602	2.992	ug/L	# 1

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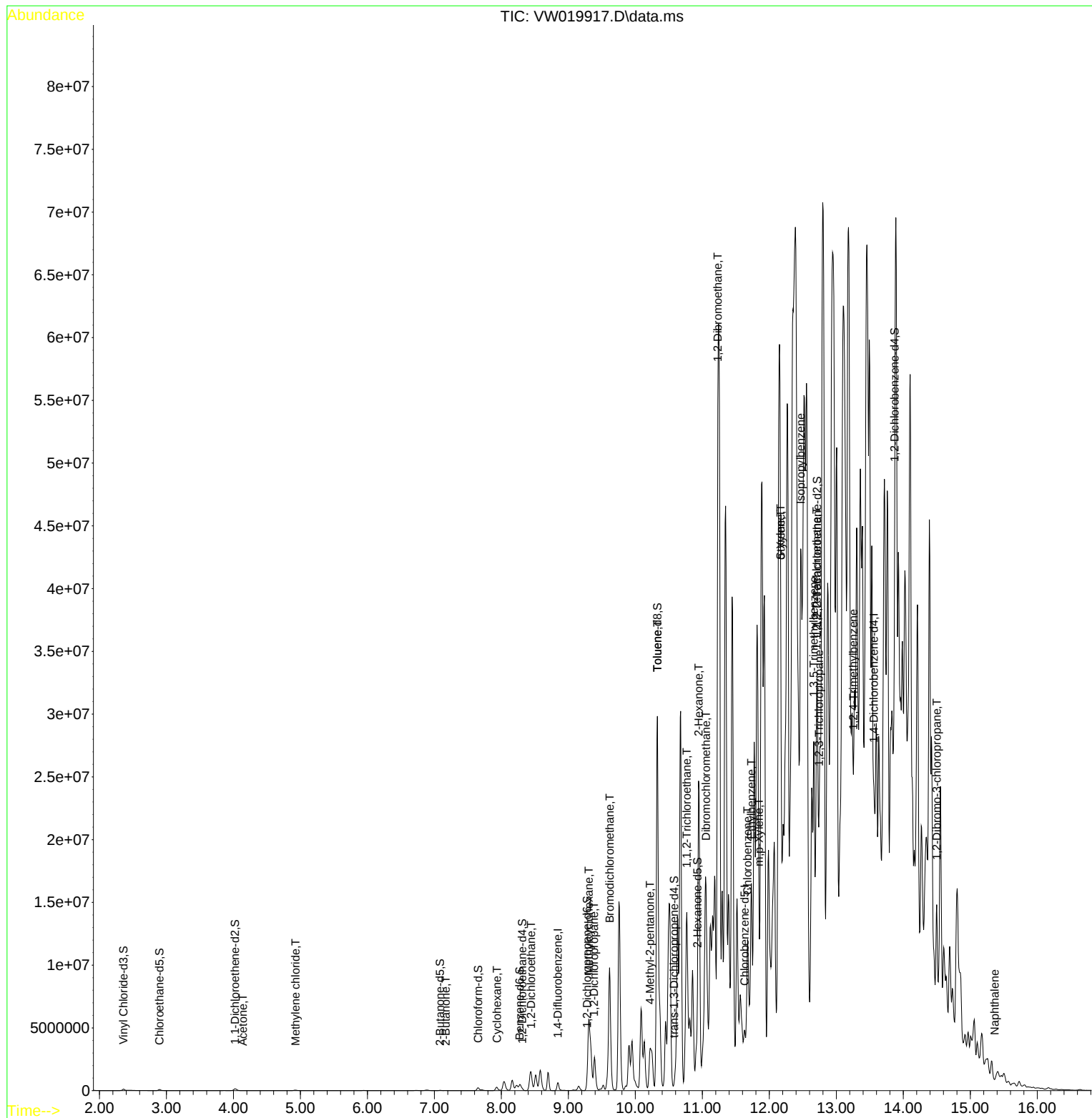
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.707	83	1037168	176.506	ug/L #	69
60) Isopropylbenzene	12.469	105	6226421	81.306	ug/L	98
61) 1,2,3-Trichloropropane	12.743	75	24787	2.237	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.664	105	39281	0.643	ug/L	99
63) 1,2,4-Trimethylbenzene	13.255	105	529574	8.548	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.499	75	28267	11.702	ug/L #	15
71) Naphthalene	15.365	128	56061	1.555	ug/L #	83

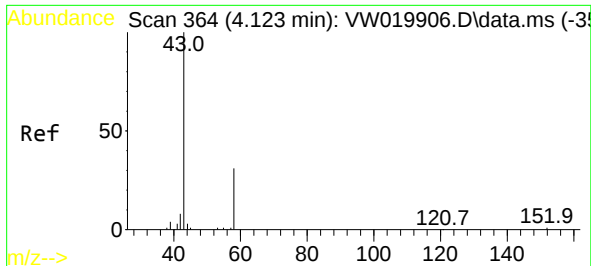
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration

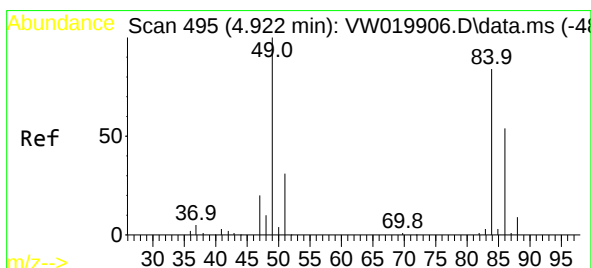
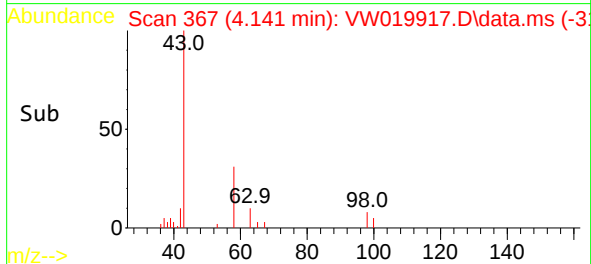
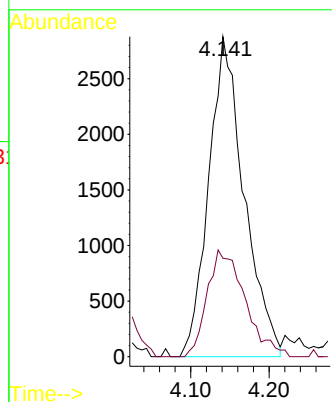
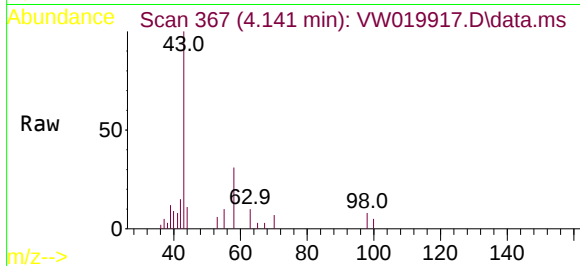




#13
Acetone
Concen: 7.454 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.018 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

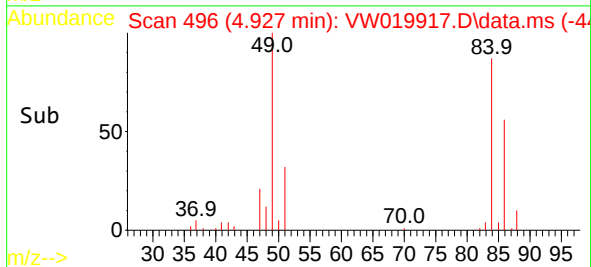
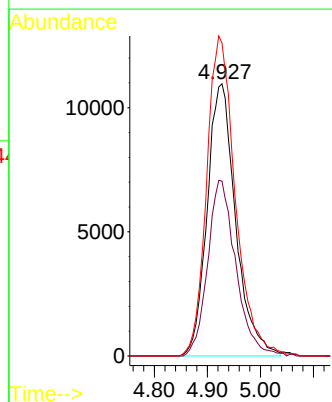
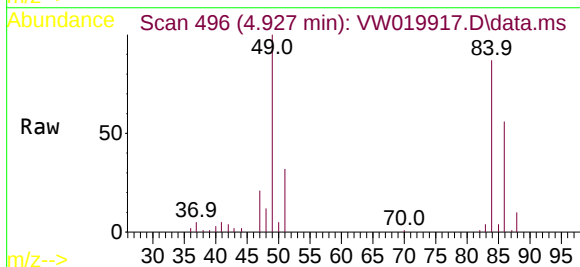
Instrument :
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ClientSampleId :

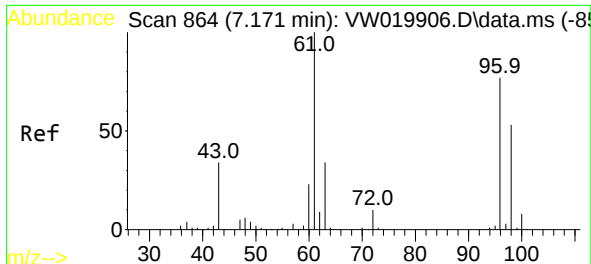
Tgt Ion: 43 Resp: 9032
Ion Ratio Lower Upper
43 100
58 19.9 0.0 53.8



#16
Methylene chloride
Concen: 5.287 ug/L
RT: 4.927 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 84 Resp: 40930
Ion Ratio Lower Upper
84 100
86 64.3 45.3 84.1
49 115.0 86.6 160.8

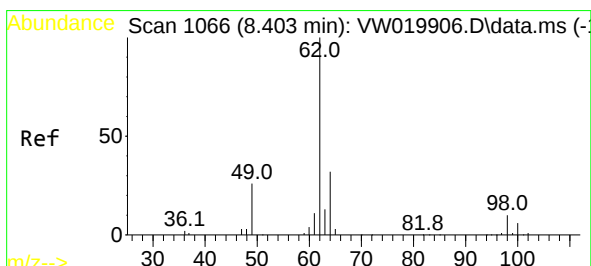
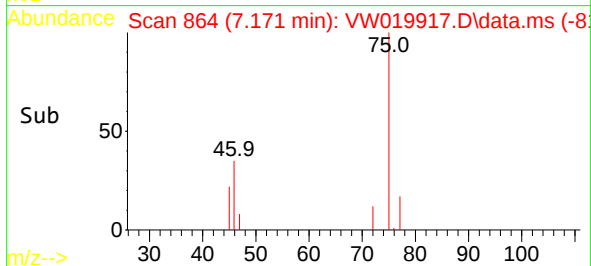
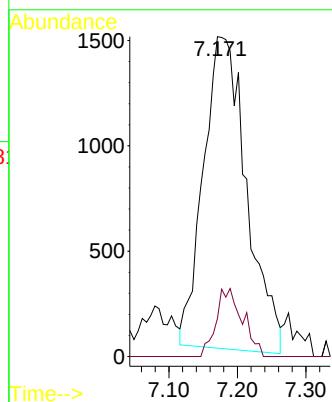
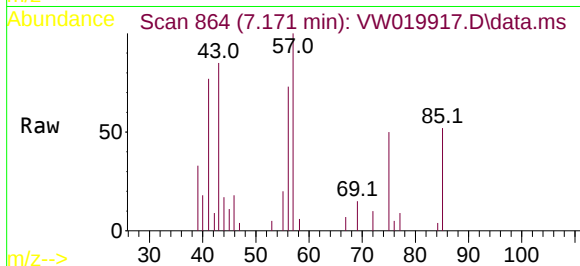




#22
2-Butanone
Concen: 4.128 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

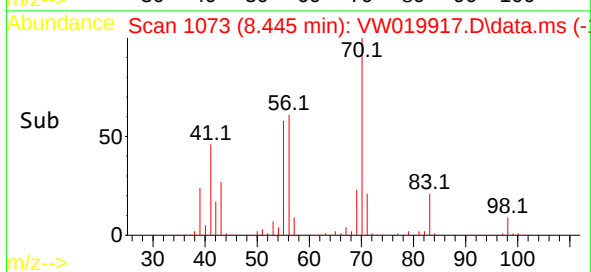
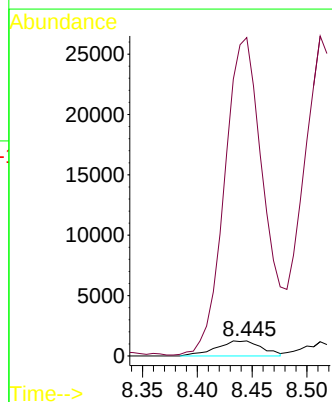
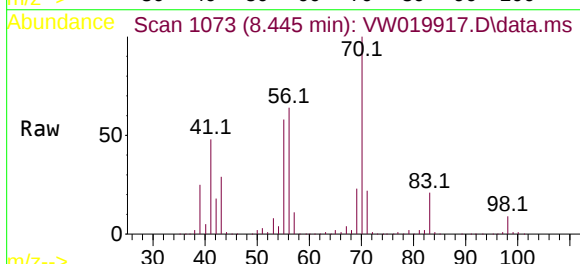
Instrument :
MSVOA_W
ClientSampled :

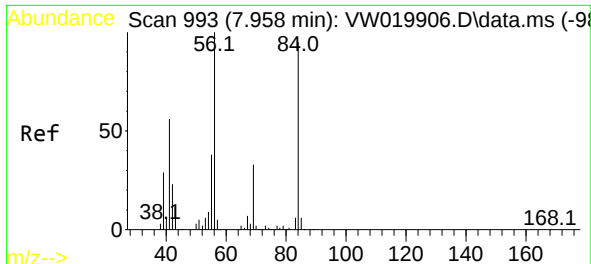
Tgt Ion: 43 Resp: 6482
Ion Ratio Lower Upper
43 100
72 11.0 14.9 44.7#



#27
1,2-Dichloroethane
Concen: 0.467 ug/L
RT: 8.445 min Scan# 1073
Delta R.T. 0.042 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

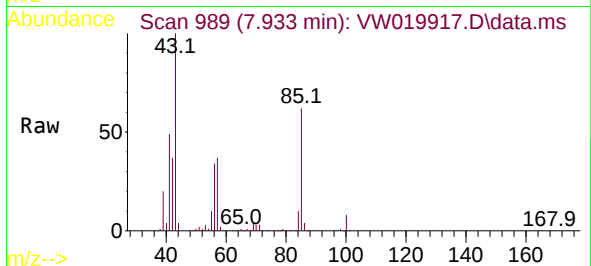
Tgt Ion: 62 Resp: 3588
Ion Ratio Lower Upper
62 100
98 2106.1 6.9 10.3#



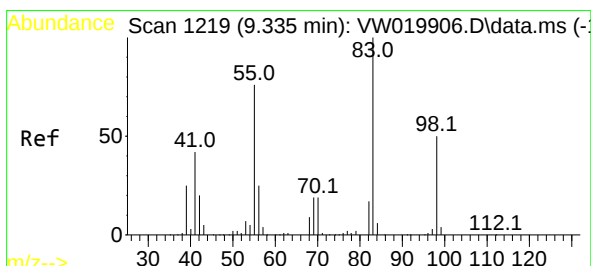
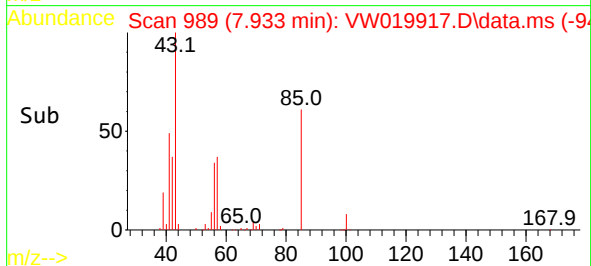
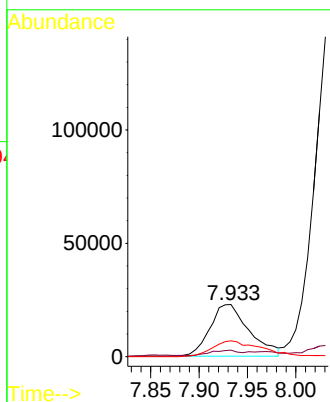


#29
Cyclohexane
Concen: 6.260 ug/L
RT: 7.933 min Scan# 989
Delta R.T. -0.025 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Instrument :
MSVOA_W
ClientSampled :

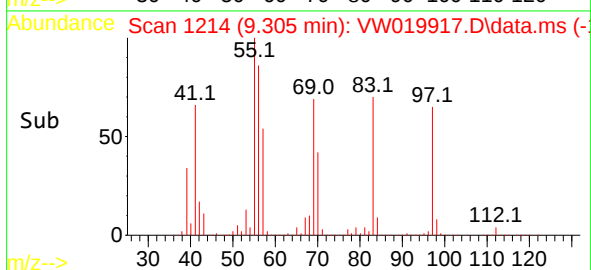
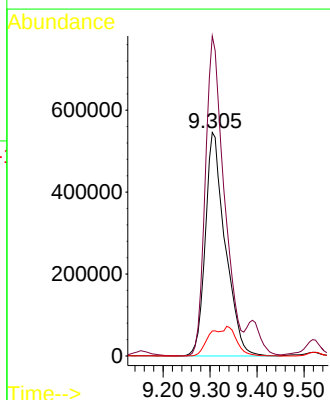
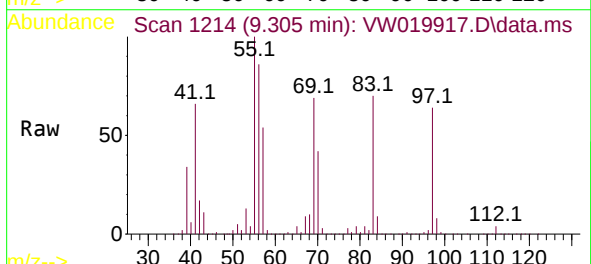


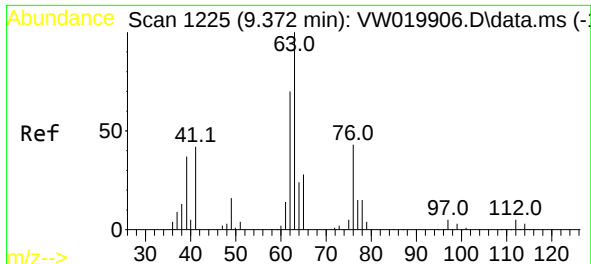
Tgt Ion: 56 Resp: 64011
Ion Ratio Lower Upper
56 100
69 7.5 24.5 36.7#
84 37.9 75.0 112.4#



#35
Methylcyclohexane
Concen: 134.079 ug/L
RT: 9.305 min Scan# 1214
Delta R.T. -0.031 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 83 Resp: 1597736
Ion Ratio Lower Upper
83 100
55 136.6 58.9 88.3#
98 7.3 40.1 60.1#

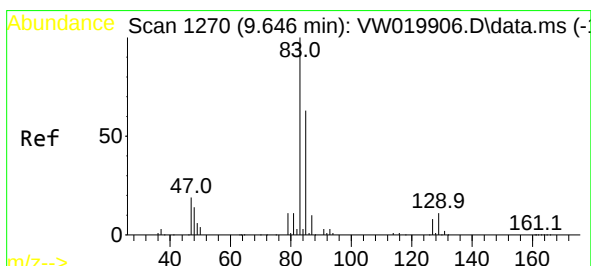
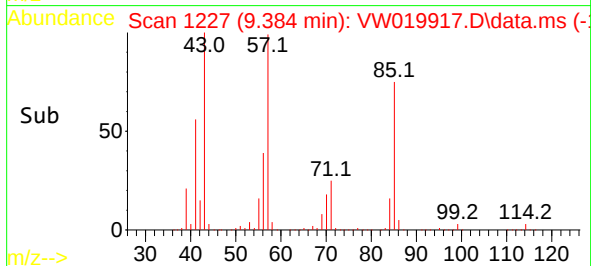
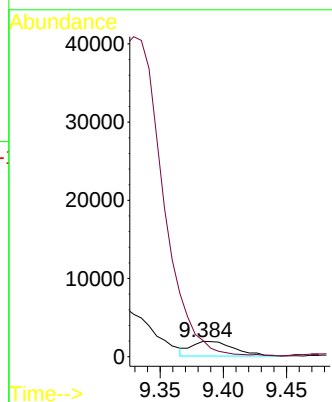
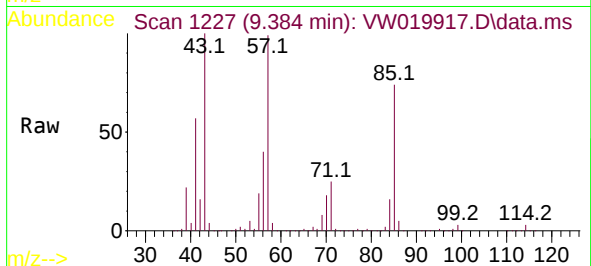




#37
1,2-Dichloropropane
Concen: 0.662 ug/L
RT: 9.384 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

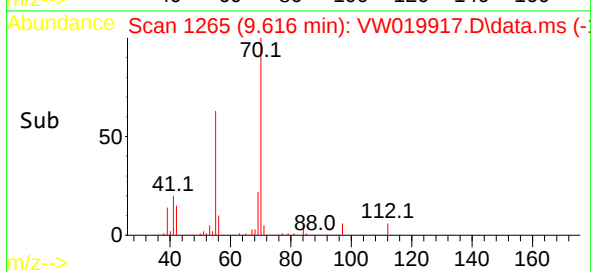
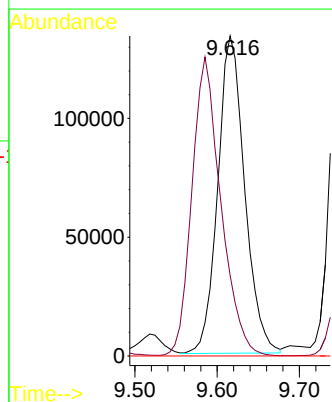
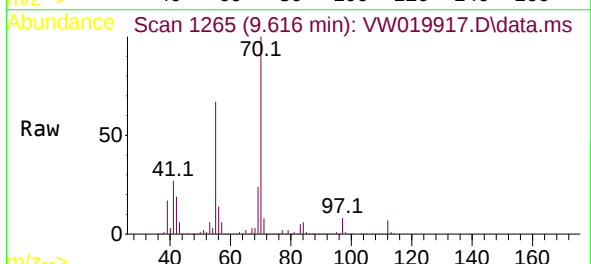
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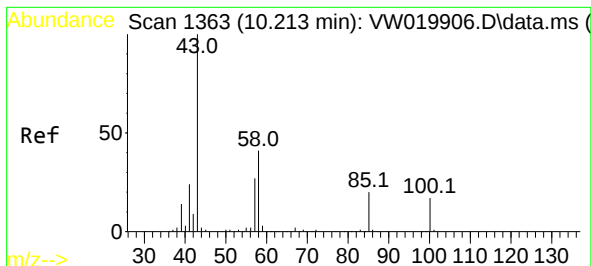
Tgt Ion: 63 Resp: 4379
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



#38
Bromodichloromethane
Concen: 35.393 ug/L
RT: 9.616 min Scan# 1265
Delta R.T. -0.031 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 83 Resp: 303466
Ion Ratio Lower Upper
83 100
85 25.2 42.3 78.5#
127 0.0 6.6 9.8#

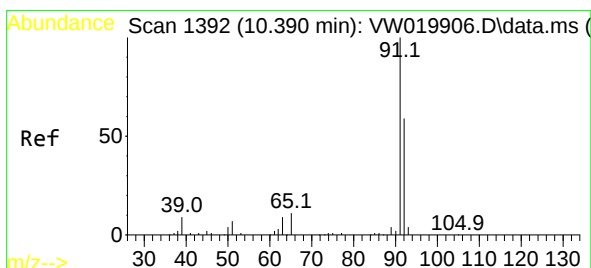
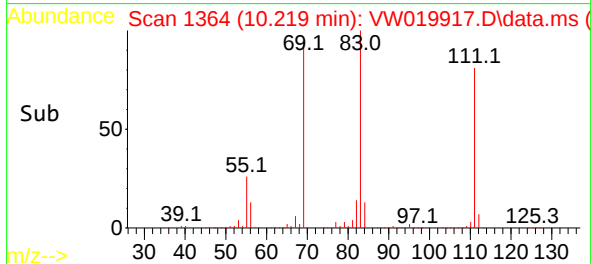
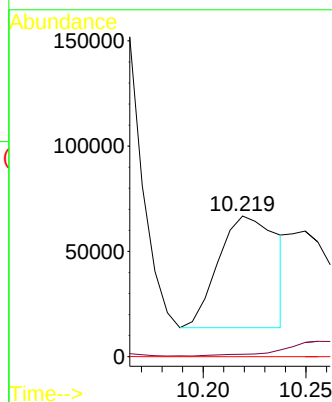
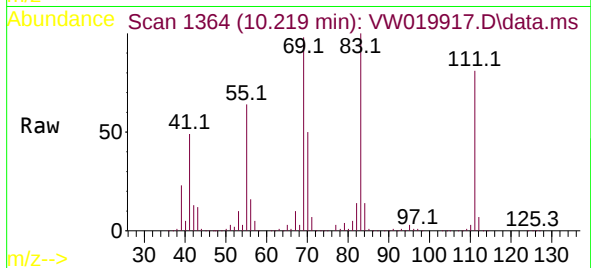




#40
4-Methyl-2-pentanone
Concen: 29.896 ug/L
RT: 10.219 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

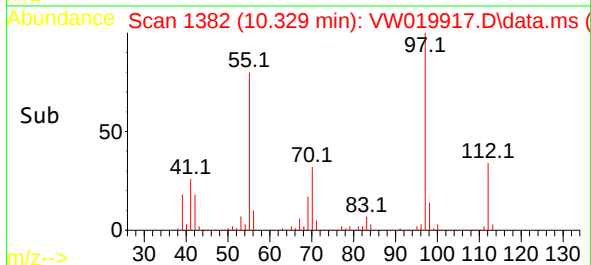
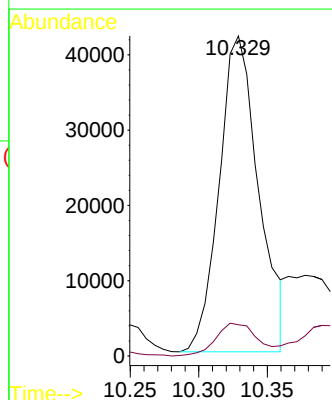
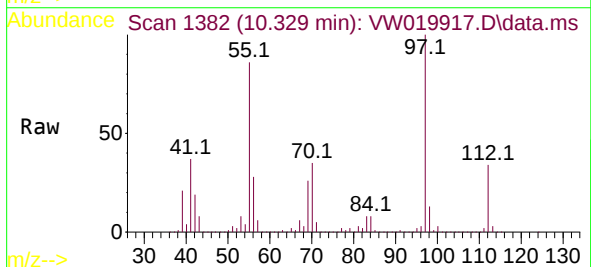
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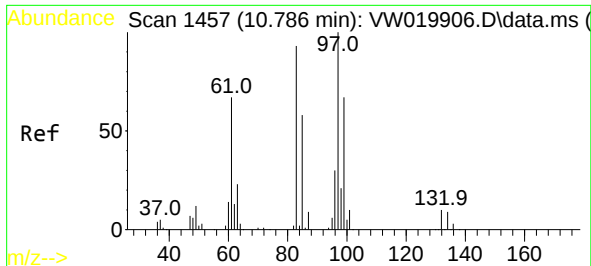
Tgt Ion: 43 Resp: 105216
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#
100 0.0 13.0 19.6#



#42
Toluene
Concen: 2.971 ug/L
RT: 10.329 min Scan# 1382
Delta R.T. -0.061 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

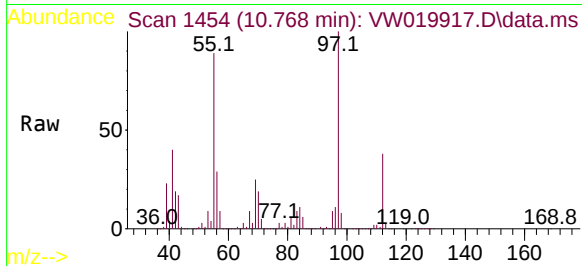
Tgt Ion: 91 Resp: 84118
Ion Ratio Lower Upper
91 100
92 9.7 39.5 73.3#





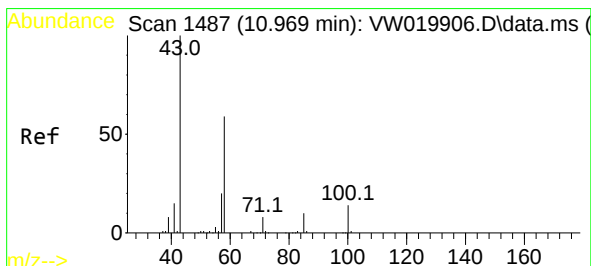
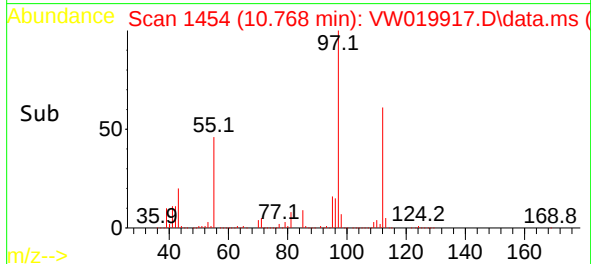
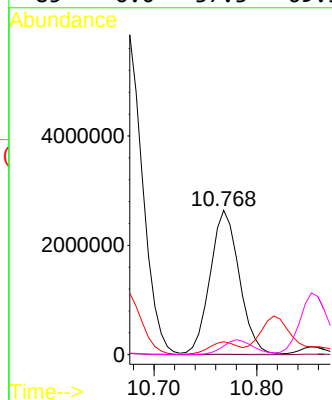
#45
1,1,2-Trichloroethane
Concen: 1078.953 ug/L
RT: 10.768 min Scan# 1454
Delta R.T. -0.019 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Instrument :
MSVOA_W
ClientSampleId :

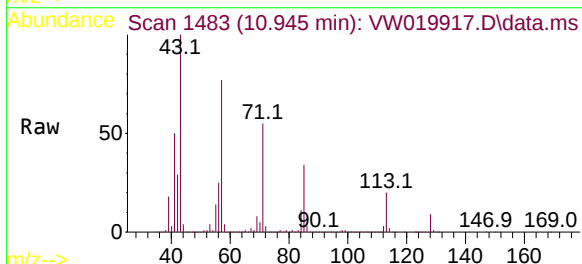


Tgt Ion: 97 Resp: 5169970

Ion	Ratio	Lower	Upper
97	100		
99	0.3	45.1	83.7#
83	8.9	58.1	107.9#
85	6.0	37.3	69.3#

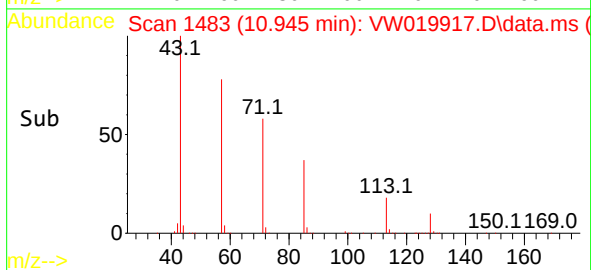
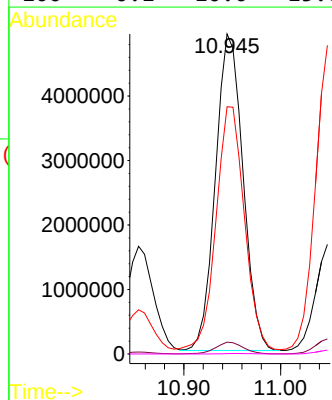


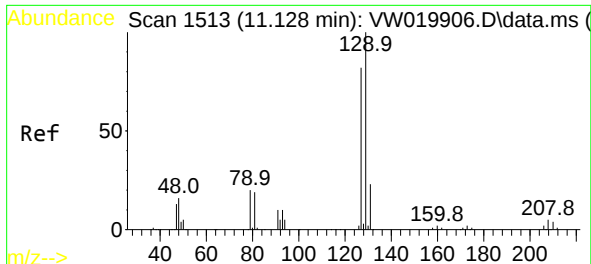
#48
2-Hexanone
Concen: 3965.449 ug/L
RT: 10.945 min Scan# 1483
Delta R.T. -0.025 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10



Tgt Ion: 43 Resp: 9715059

Ion	Ratio	Lower	Upper
43	100		
58	3.6	42.7	64.1#
57	78.4	15.8	23.8#
100	0.1	10.0	15.0#





#49

Dibromochloromethane

Concen: 4.776 ug/L

RT: 11.054 min Scan# 1501

Delta R.T. -0.073 min

Lab File: VW019917.D

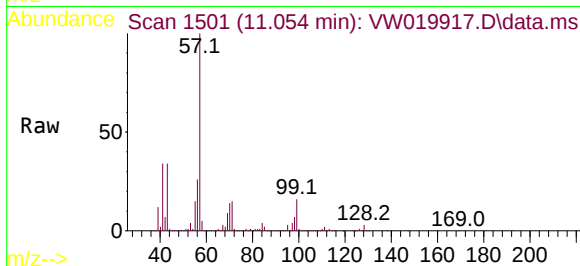
Acq: 26 Aug 2021 15:10

Tgt Ion:129 Resp: 26180

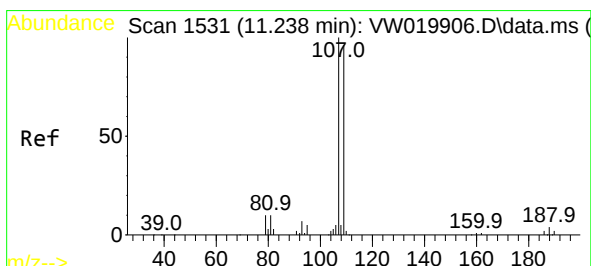
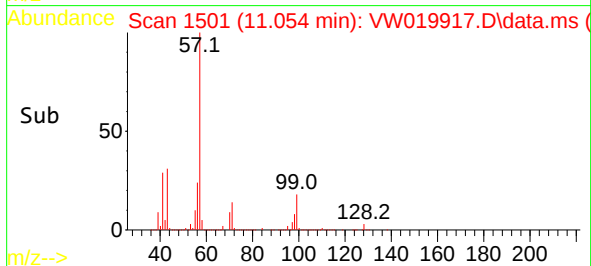
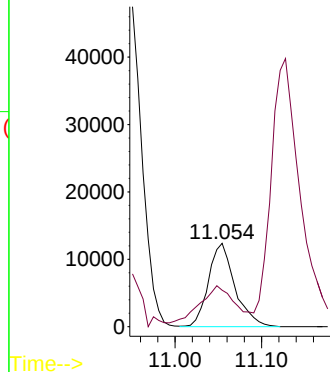
Ion Ratio Lower Upper

129 100

127 43.7 51.7 95.9#



Abundance



#50

1,2-Dibromoethane

Concen: 2.658 ug/L

RT: 11.231 min Scan# 1530

Delta R.T. -0.006 min

Lab File: VW019917.D

Acq: 26 Aug 2021 15:10

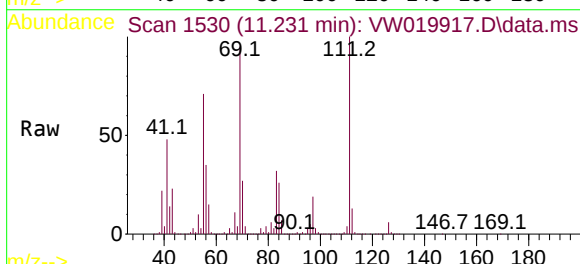
Tgt Ion:107 Resp: 11962

Ion Ratio Lower Upper

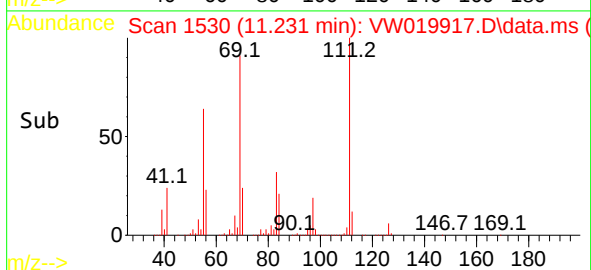
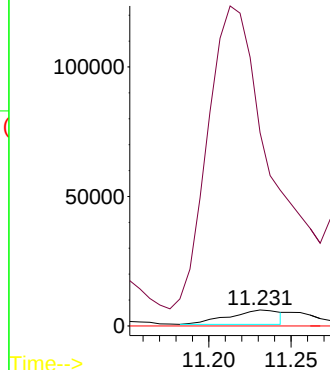
107 100

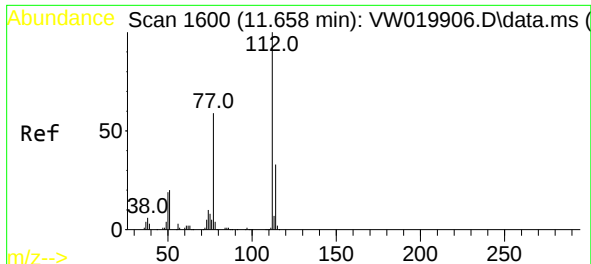
109 1209.6 65.4 121.4#

188 0.0 2.6 4.0#



Abundance

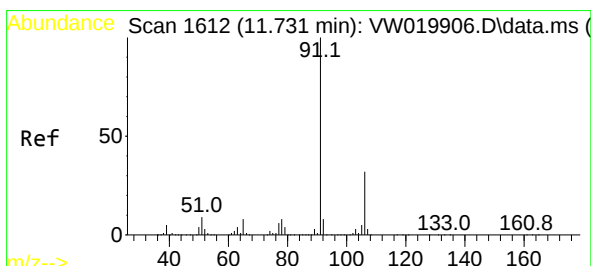
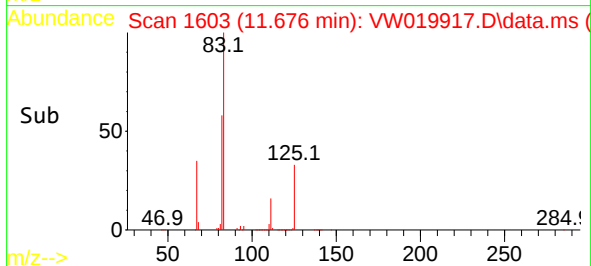
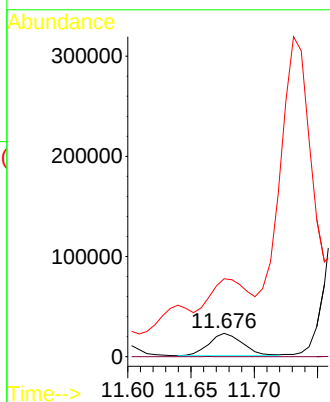
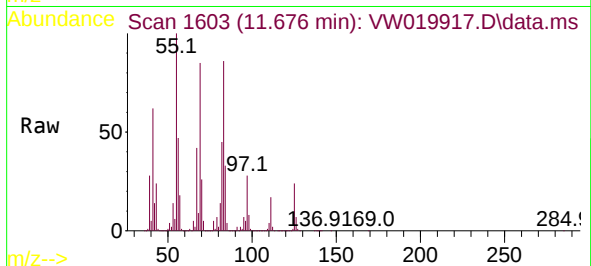




#51
Chlorobenzene
Concen: 2.302 ug/L
RT: 11.676 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

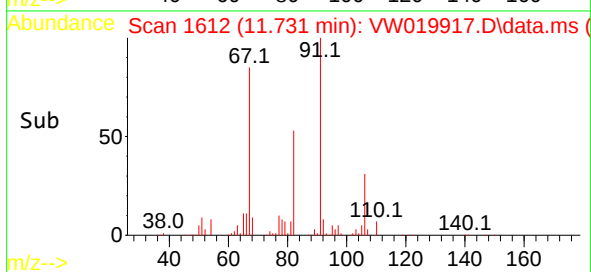
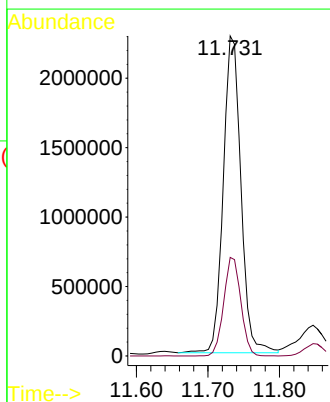
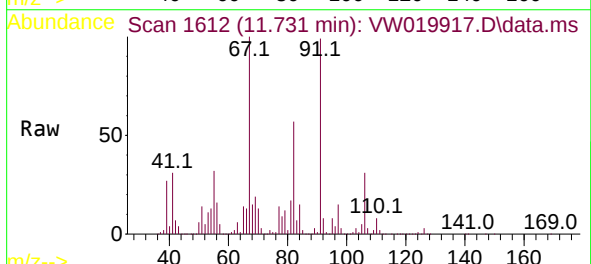
Instrument :
MSVOA_W
ClientSampled :

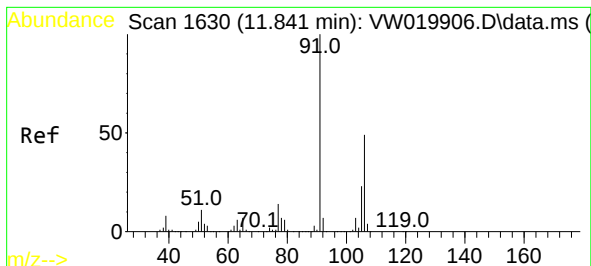
Tgt Ion:112 Resp: 41385
Ion Ratio Lower Upper
112 100
114 0.0 23.4 43.6#
77 332.2 47.6 71.4#



#52
Ethylbenzene
Concen: 128.448 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 91 Resp: 3914822
Ion Ratio Lower Upper
91 100
106 30.8 22.5 41.7

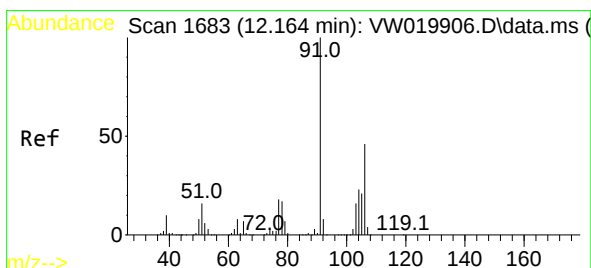
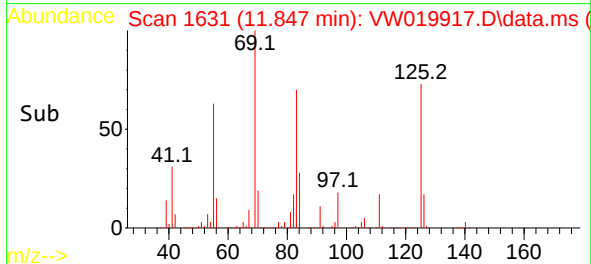
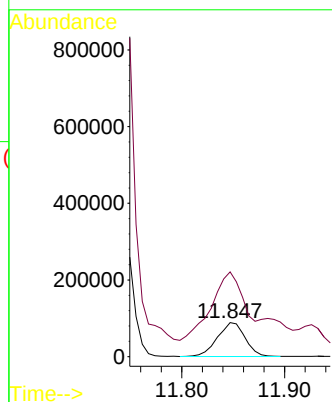
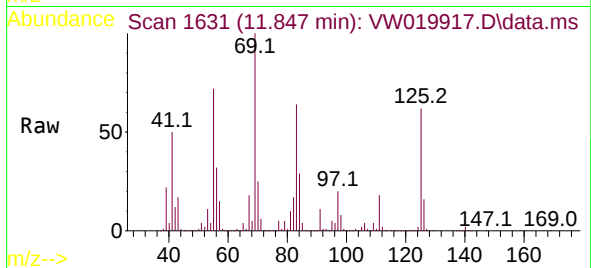




#53
m,p-Xylene
Concen: 14.084 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

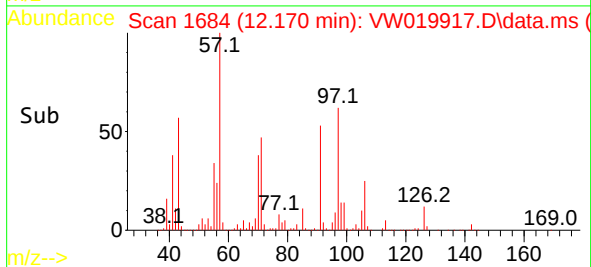
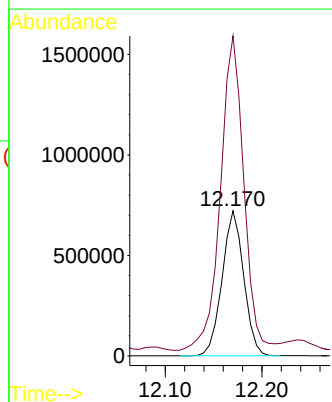
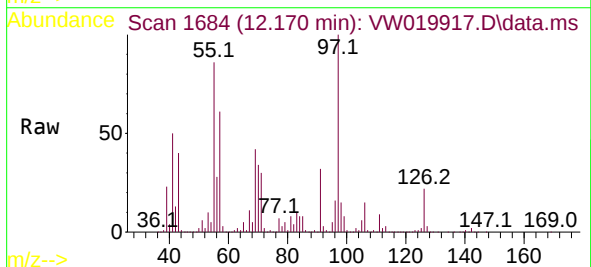
Instrument :
MSVOA_W
ClientSampled :

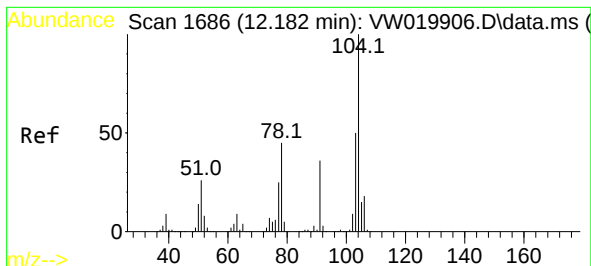
Tgt Ion:106 Resp: 164845
Ion Ratio Lower Upper
106 100
91 249.2 141.3 262.3



#54
o-Xylene
Concen: 101.018 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion:106 Resp: 1118409
Ion Ratio Lower Upper
106 100
91 220.4 150.0 278.6





#55

Styrene

Concen: 2.992 ug/L

RT: 12.170 min Scan# 1684

Delta R.T. -0.012 min

Lab File: VW019917.D

Acq: 26 Aug 2021 15:10

Tgt Ion:104 Resp: 56602

Ion Ratio Lower Upper

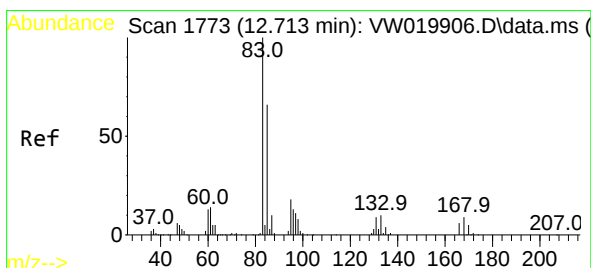
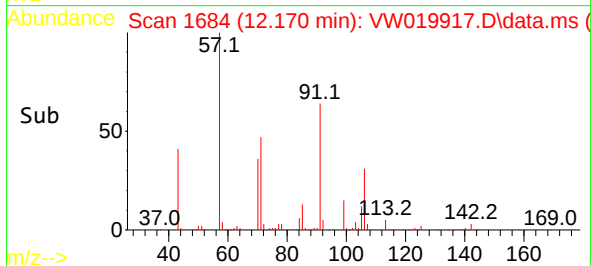
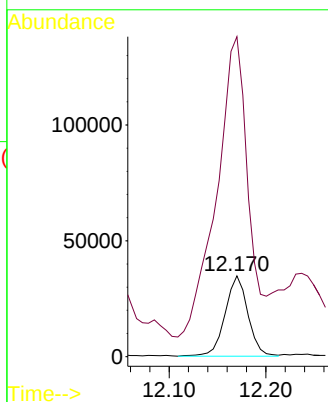
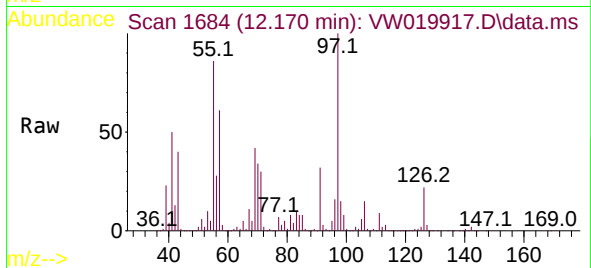
104 100

78 396.3 32.5 60.3#

Instrument :

MSVOA_W

ClientSampleId :



#57

1,1,2,2-Tetrachloroethane

Concen: 176.506 ug/L

RT: 12.707 min Scan# 1772

Delta R.T. -0.006 min

Lab File: VW019917.D

Acq: 26 Aug 2021 15:10

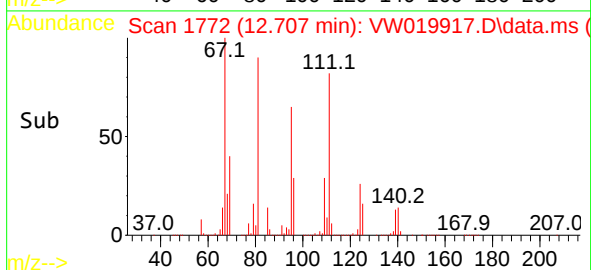
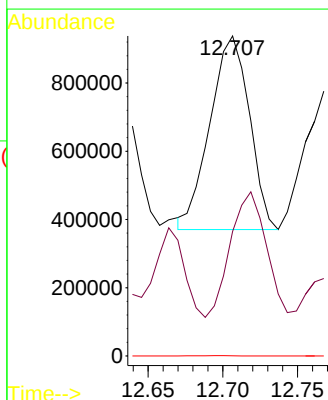
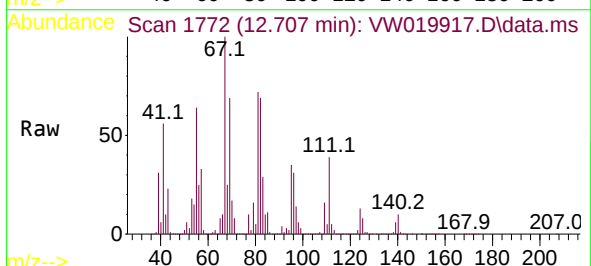
Tgt Ion: 83 Resp: 1037168

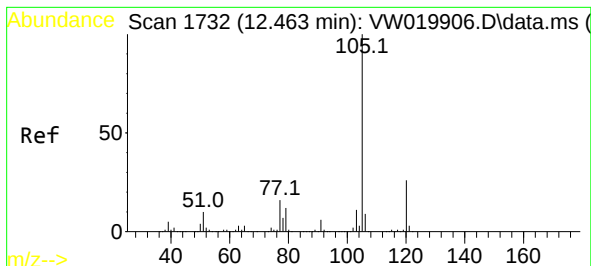
Ion Ratio Lower Upper

83 100

85 38.9 44.4 82.4#

131 0.1 8.2 12.4#

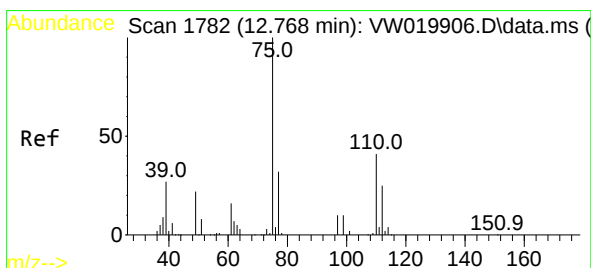
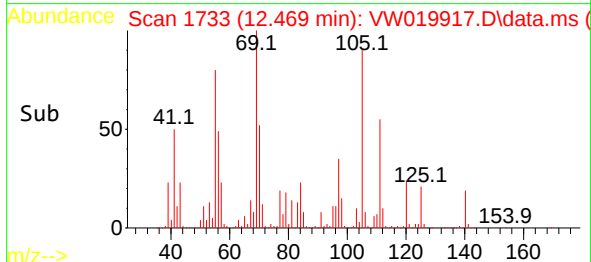
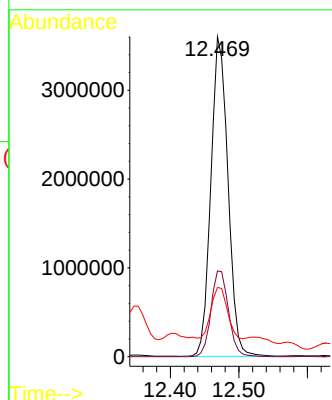
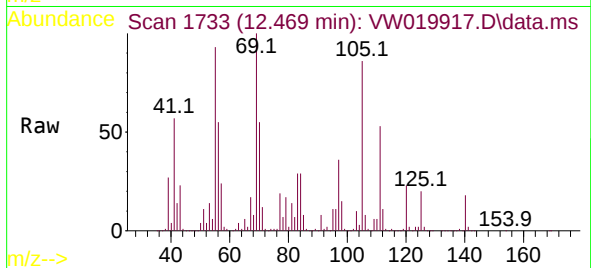




#60
Isopropylbenzene
Concen: 81.306 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

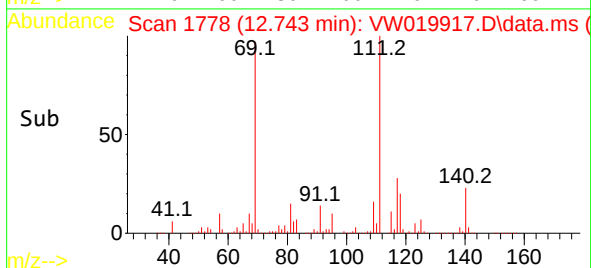
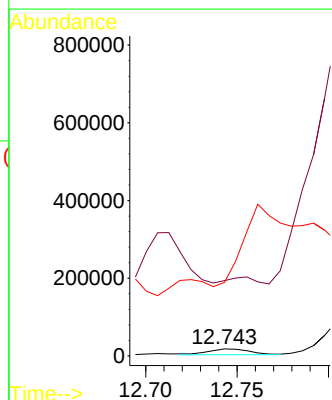
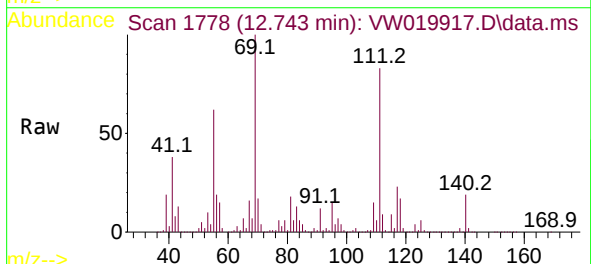
Instrument :
MSVOA_W
ClientSampled :

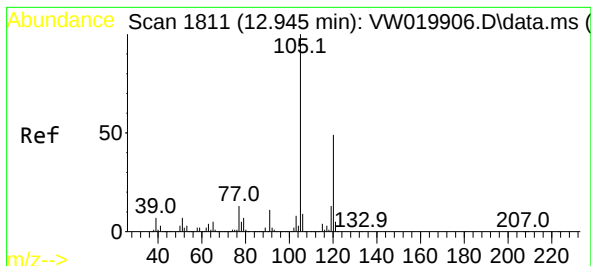
Tgt Ion:105 Resp: 6226421
Ion Ratio Lower Upper
105 100
120 27.5 21.1 31.7
77 15.4 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 2.237 ug/L
RT: 12.743 min Scan# 1778
Delta R.T. -0.025 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 75 Resp: 24787
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
110 1376.9 32.6 48.8#

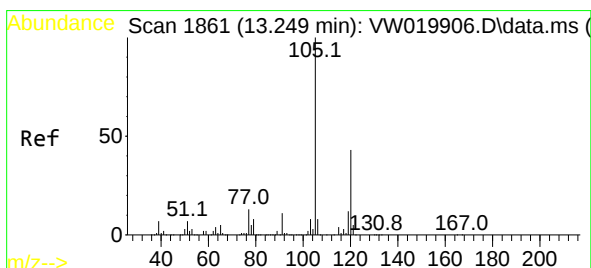
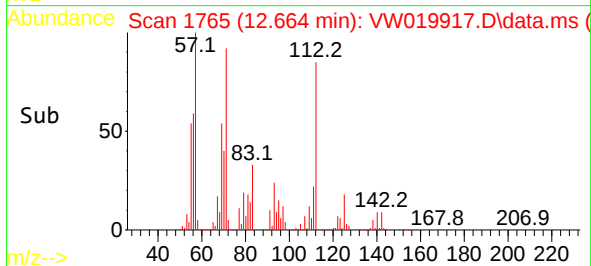
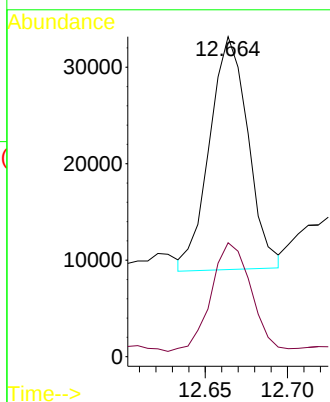
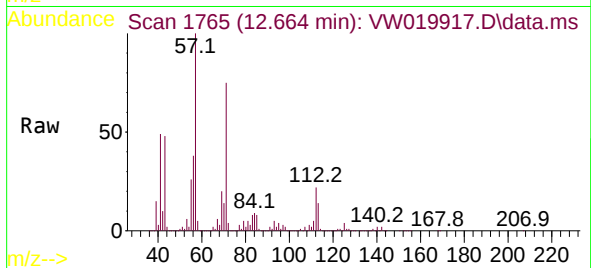




#62
1,3,5-Trimethylbenzene
Concen: 0.643 ug/L
RT: 12.664 min Scan# 1765
Delta R.T. -0.281 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

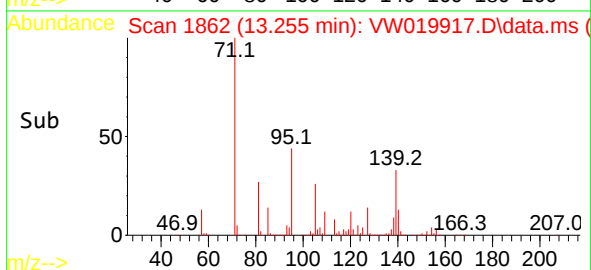
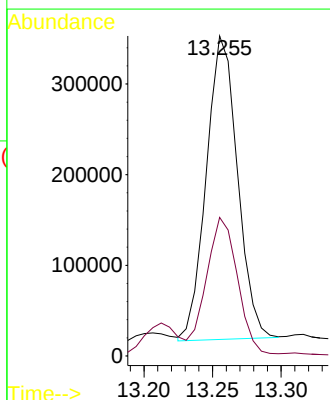
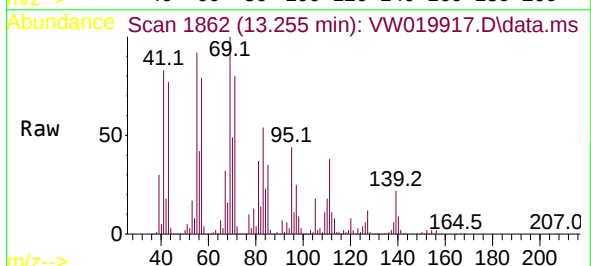
Instrument :
MSVOA_W
ClientSampleId :

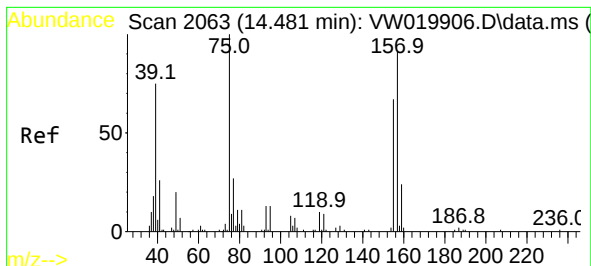
Tgt Ion:105 Resp: 39281
Ion Ratio Lower Upper
105 100
120 48.2 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 8.548 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

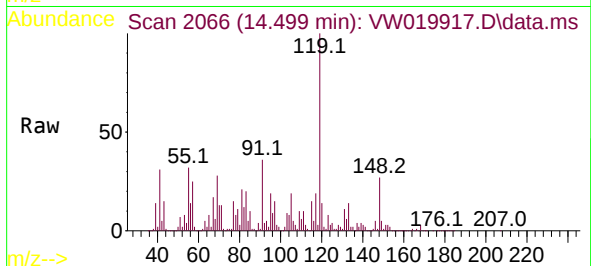
Tgt Ion:105 Resp: 529574
Ion Ratio Lower Upper
105 100
120 44.2 35.6 53.4



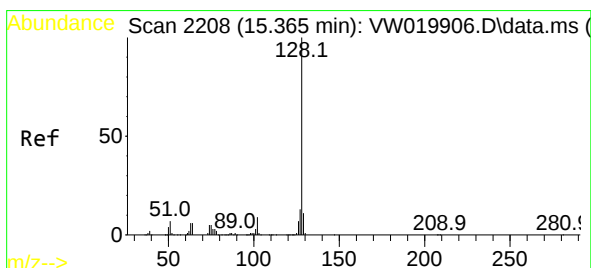
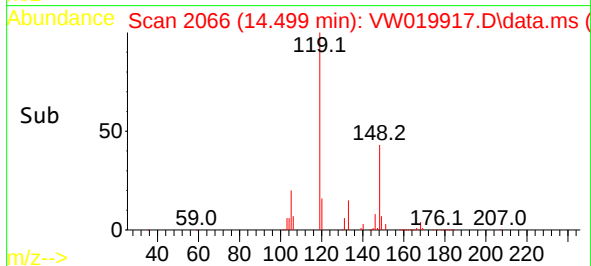
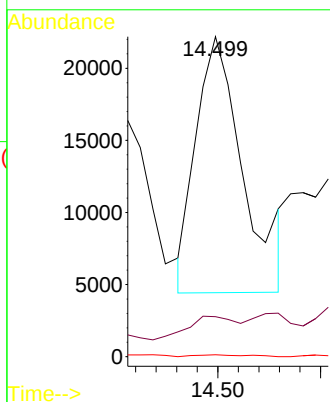


#68
1,2-Dibromo-3-chloropropane
Concen: 11.702 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 75 Resp: 28267
Ion Ratio Lower Upper
75 100
155 12.5 59.4 89.0#
157 0.6 72.2 108.2#



#71
Naphthalene
Concen: 1.555 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019917.D
Acq: 26 Aug 2021 15:10

Tgt Ion: 128 Resp: 56061
Ion Ratio Lower Upper
128 100
127 6.6 10.6 15.8#
129 4.5 9.0 13.6#

