

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020348.D
 Acq On : 07 Oct 2021 05:51
 Operator : SY/VA
 Sample : M4000-19
 Misc : 7.74g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 07:54:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	329482	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	233931	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	102255	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	95994	21.140	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.560%
7) Chloroethane-d5	2.879	69	45887	23.321	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.280%
11) 1,1-Dichloroethene-d2	4.013	63	129153	13.811	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.240%
21) 2-Butanone-d5	7.080	46	56982	49.397	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.800%
24) Chloroform-d	7.653	84	196789	20.801	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.200%
26) 1,2-Dichloroethane-d4	8.305	65	112926	21.811	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.240%
32) Benzene-d6	8.275	84	389654	27.511	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.040%
36) 1,2-Dichloropropane-d6	9.275	67	141764	31.555	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	126.240%#
41) Toluene-d8	10.323	98	336517	26.232	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.920%
43) trans-1,3-Dichloroprop...	10.579	79	48301	26.424	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.680%
47) 2-Hexanone-d5	10.927	63	38269	61.632	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.260%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	85368	27.226	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.920%
66) 1,2-Dichlorobenzene-d4	13.853	152	79295	22.145	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
13) Acetone	4.129	43	9510	8.019	ug/L	94
14) Carbon disulfide	4.379	76	9461	0.628	ug/L	96
15) Methyl Acetate	4.684	43	1865	0.861	ug/L	# 65
16) Methylene chloride	4.916	84	19898	3.382	ug/L	96
20) cis-1,2-Dichloroethene	7.177	96	1159	0.236	ug/L	90
22) 2-Butanone	7.177	43	5958	4.086	ug/L	89
29) Cyclohexane	7.958	56	188064	27.040	ug/L	98
34) Trichloroethene	9.098	95	3043	0.760	ug/L	87
35) Methylcyclohexane	9.335	83	505782	72.451	ug/L	92
37) 1,2-Dichloropropane	9.335	63	3714	0.916	ug/L	# 1
38) Bromodichloromethane	9.610	83	9368	1.897	ug/L	# 42
39) cis-1,3-Dichloropropene	10.037	75	3495	0.610	ug/L	# 29
40) 4-Methyl-2-pentanone	10.213	43	12808	5.785	ug/L	# 49
42) Toluene	10.390	91	8842	0.540	ug/L	92
45) 1,1,2-Trichloroethane	10.762	97	197240	76.928	ug/L	# 20
46) Tetrachloroethene	10.866	164	2247	0.763	ug/L	94
48) 2-Hexanone	10.933	43	84409	52.262	ug/L	# 13
50) 1,2-Dibromoethane	11.201	107	2176	0.923	ug/L	# 1
54) o-Xylene	12.164	106	3060	0.495	ug/L	# 7

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 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 05:04:04 2021
 Response via : Initial Calibration

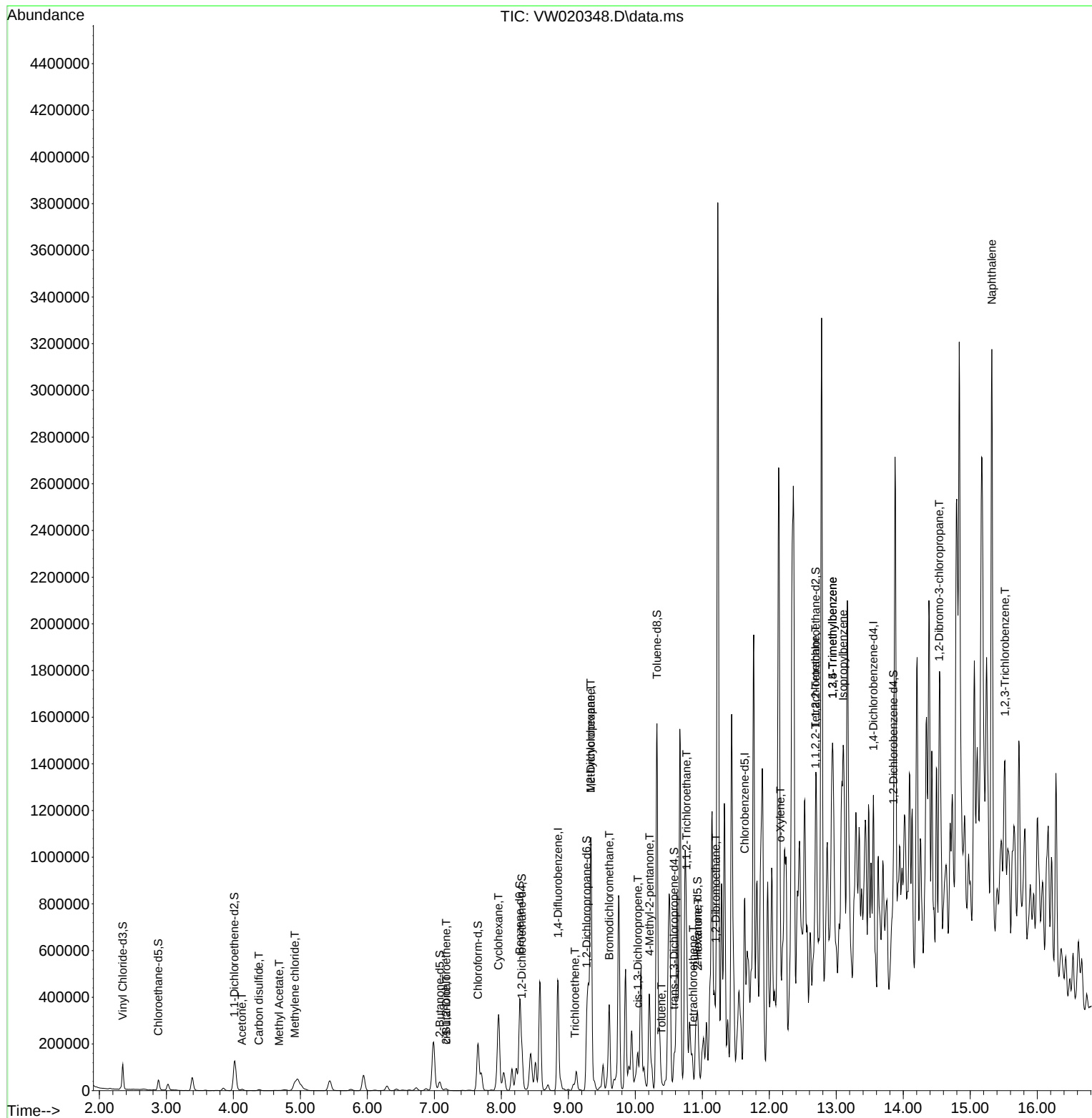
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.689	83	53255	17.470	ug/L #	45
60) Isopropylbenzene	13.103	105	566559	37.322	ug/L	93
62) 1,3,5-Trimethylbenzene	12.945	105	5481	0.446	ug/L	96
63) 1,2,4-Trimethylbenzene	12.945	105	5481	0.447	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.536	75	7810	18.155	ug/L #	15
71) Naphthalene	15.322	128	37493	6.084	ug/L #	1
72) 1,2,3-Trichlorobenzene	15.517	180	5702	1.845	ug/L #	1

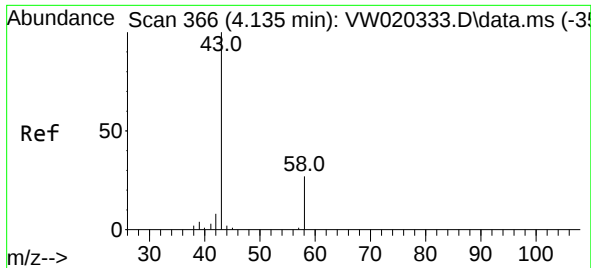
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Thu Oct 07 05:04:04 2021
Response via : Initial Calibration

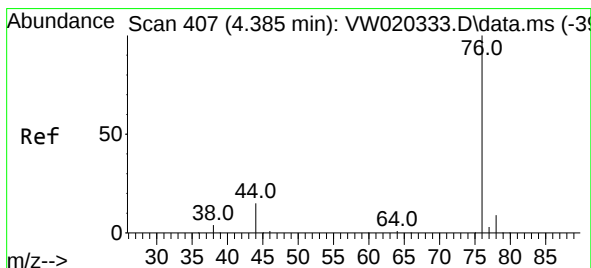
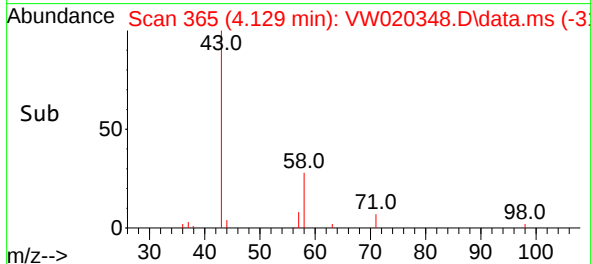
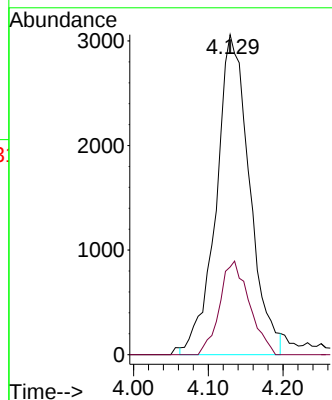
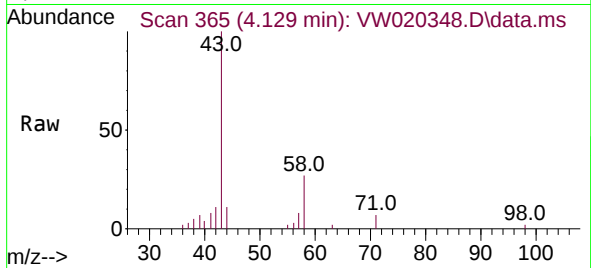




#13
Acetone
Concen: 8.019 ug/L
RT: 4.129 min Scan# 365
Delta R.T. -0.006 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

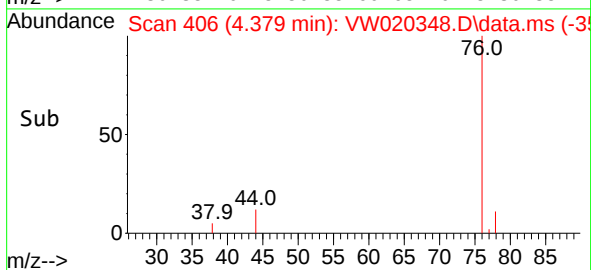
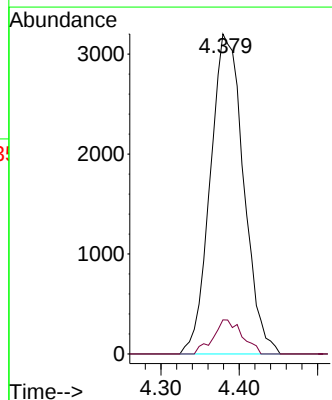
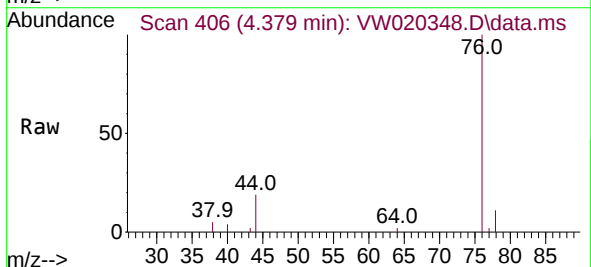
Instrument :
MSVOA_W
ClientSampled :

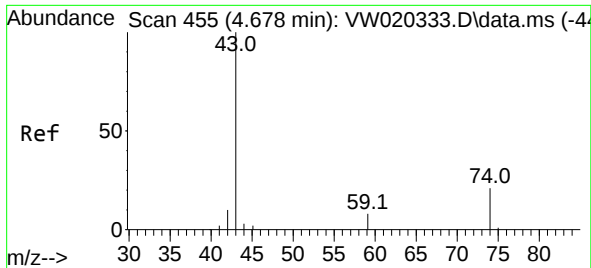
Tgt Ion: 43 Resp: 9510
Ion Ratio Lower Upper
43 100
58 26.1 0.0 58.4



#14
Carbon disulfide
Concen: 0.628 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion: 76 Resp: 9461
Ion Ratio Lower Upper
76 100
78 10.6 7.4 11.2

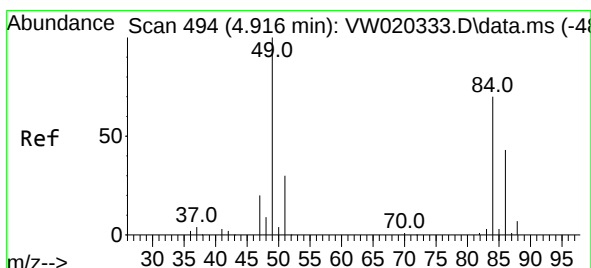
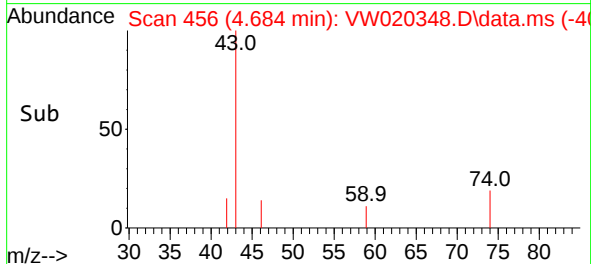
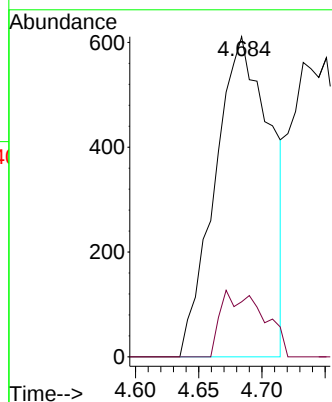
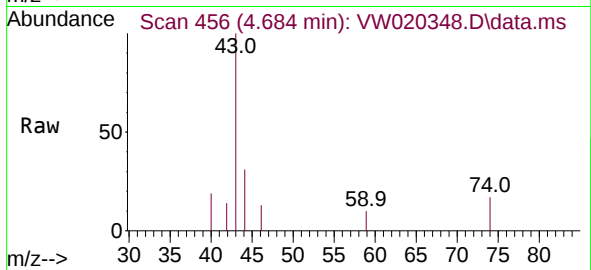




#15
Methyl Acetate
Concen: 0.861 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

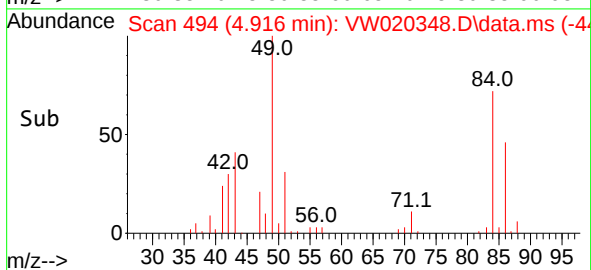
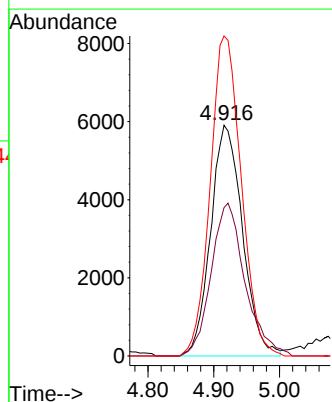
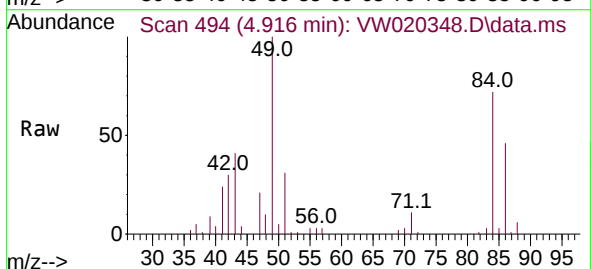
Instrument :
MSVOA_W
ClientSampled :

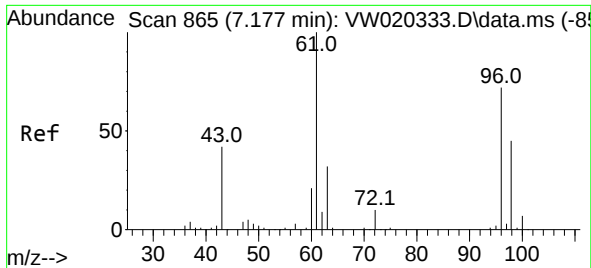
Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
74 3.9 16.1 24.1#



#16
Methylene chloride
Concen: 3.382 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion: 84 Resp: 19898
Ion Ratio Lower Upper
84 100
86 64.3 44.7 83.1
49 138.7 101.7 188.9

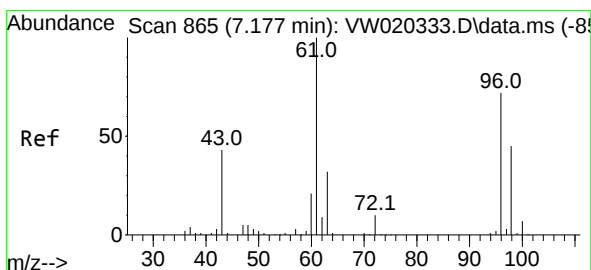
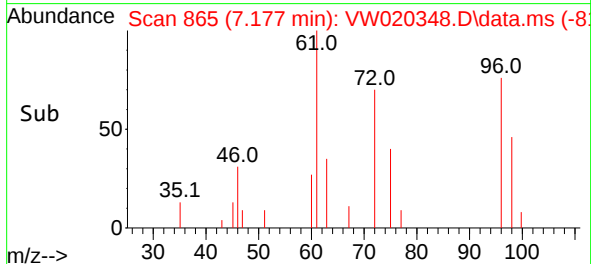
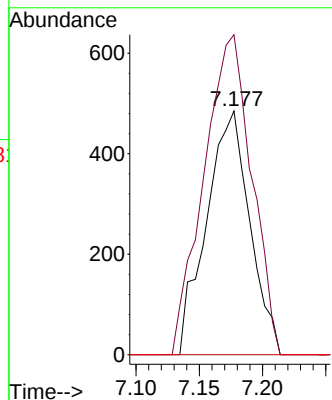
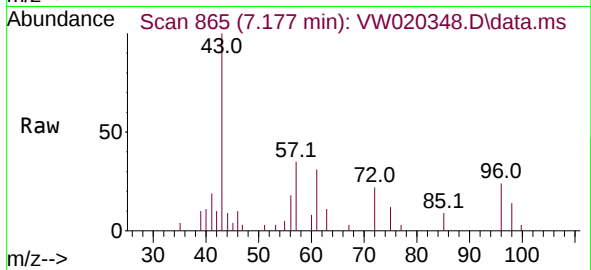




#20
 cis-1,2-Dichloroethene
 Concen: 0.236 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. -0.000 min
 Lab File: VW020348.D
 Acq: 07 Oct 2021 05:51

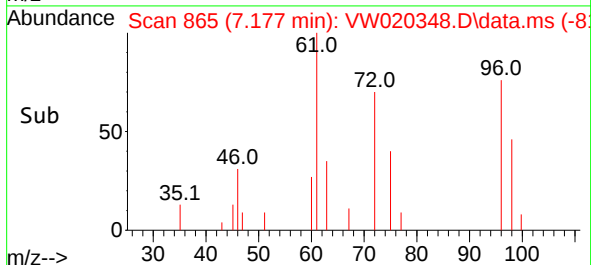
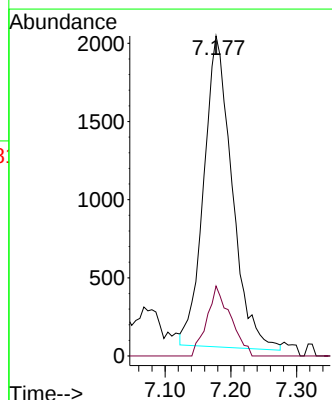
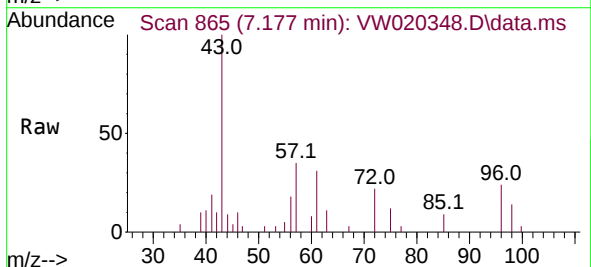
Instrument :
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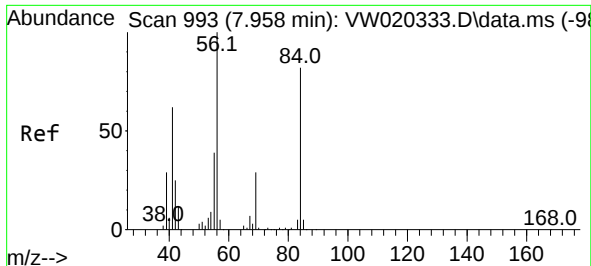
Tgt Ion: 96 Resp: 1159
 Ion Ratio Lower Upper
 96 100
 61 131.3 100.3 186.3
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 4.086 ug/L
 RT: 7.177 min Scan# 865
 Delta R.T. -0.000 min
 Lab File: VW020348.D
 Acq: 07 Oct 2021 05:51

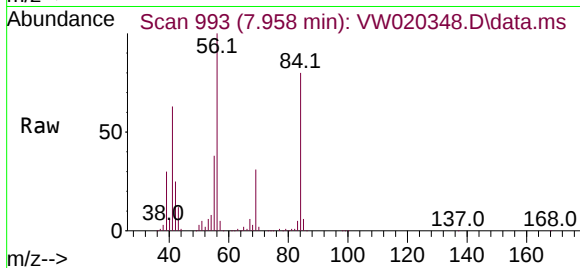
Tgt Ion: 43 Resp: 5958
 Ion Ratio Lower Upper
 43 100
 72 18.8 12.2 36.6



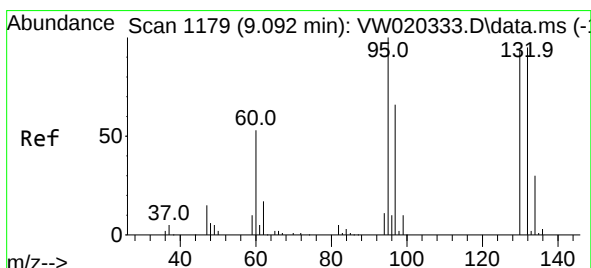
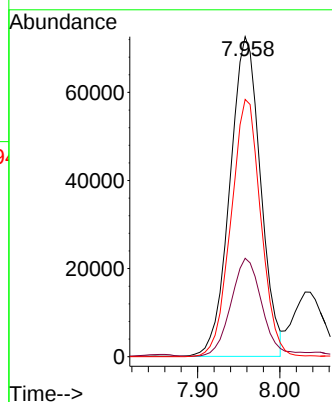
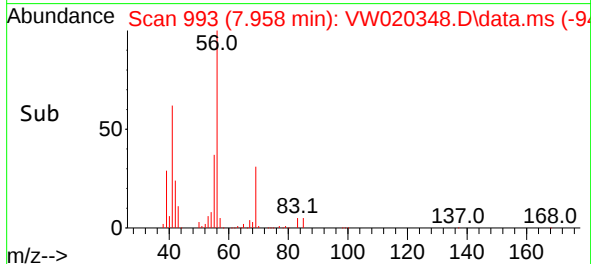


#29
Cyclohexane
Concen: 27.040 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

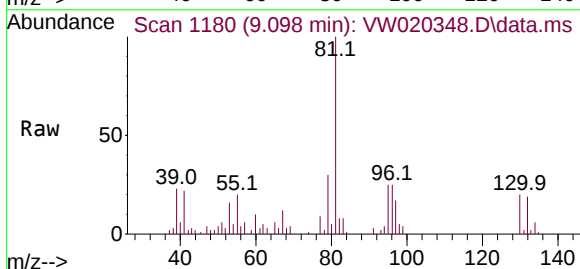
Instrument :
MSVOA_W
ClientSampled :



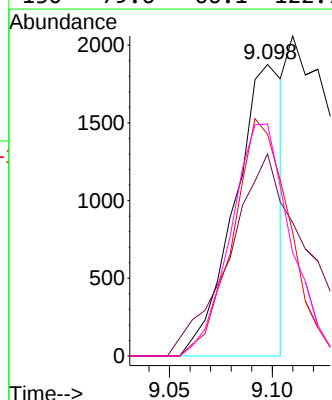
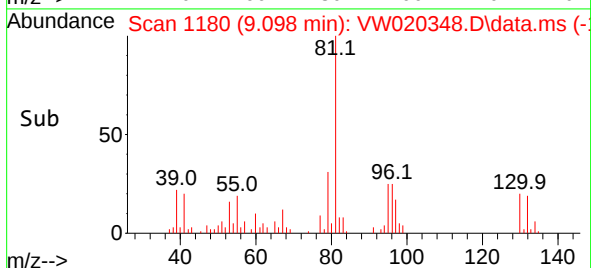
Tgt Ion: 56 Resp: 188064
Ion Ratio Lower Upper
56 100
69 31.2 23.2 34.8
84 78.3 63.7 95.5

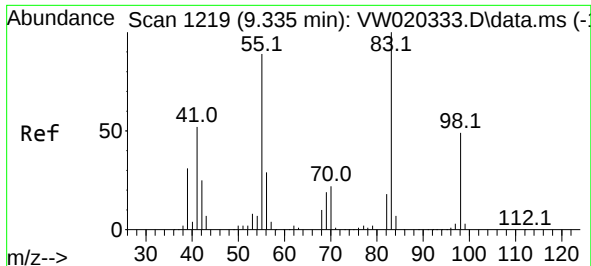


#34
Trichloroethene
Concen: 0.760 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51



Tgt Ion: 95 Resp: 3043
Ion Ratio Lower Upper
95 100
97 69.3 43.2 80.2
132 76.0 62.3 115.7
130 79.6 66.1 122.7

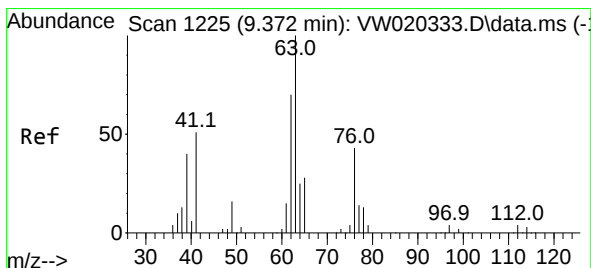
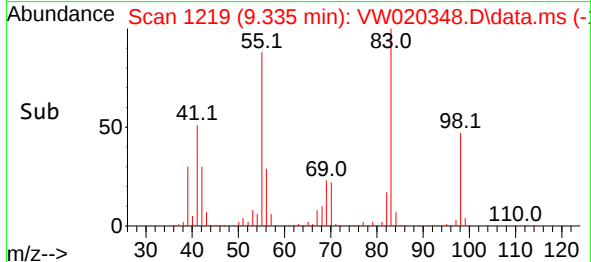
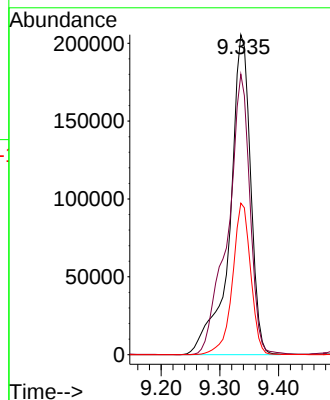
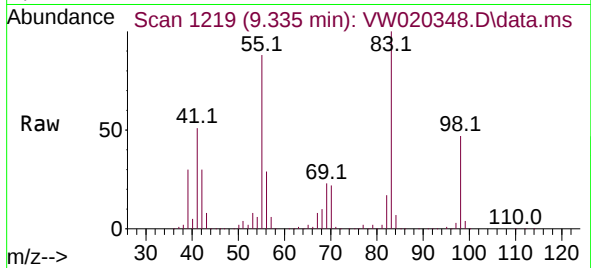




#35
Methylcyclohexane
Concen: 72.451 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020348.D
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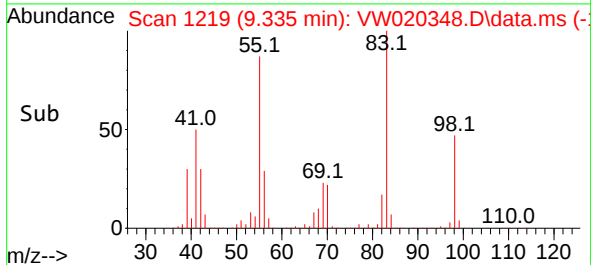
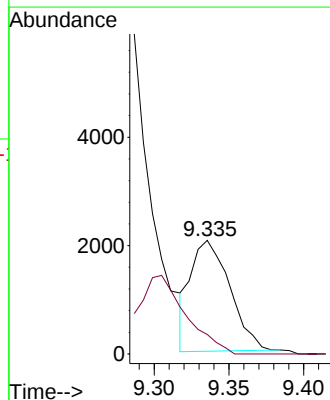
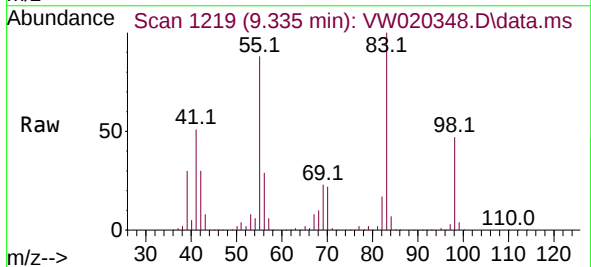
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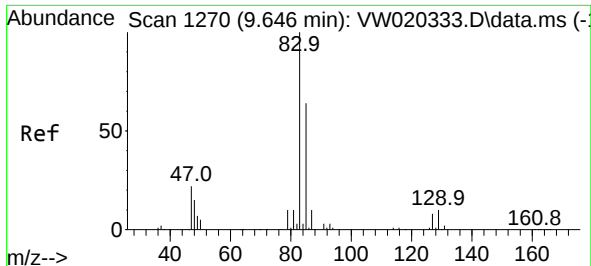
Tgt Ion: 83 Resp: 505782
Ion Ratio Lower Upper
83 100
55 93.5 69.7 104.5
98 41.4 38.2 57.2



#37
1,2-Dichloropropane
Concen: 0.916 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

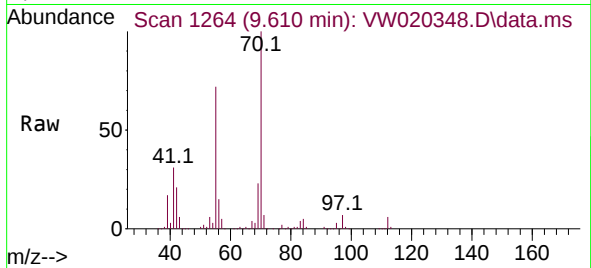
Tgt Ion: 63 Resp: 3714
Ion Ratio Lower Upper
63 100
112 88.9 3.5 5.3#



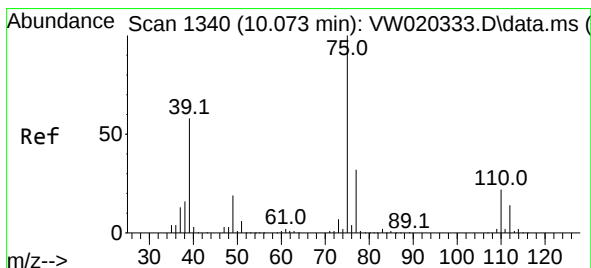
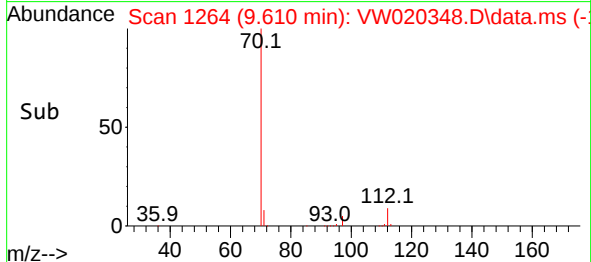
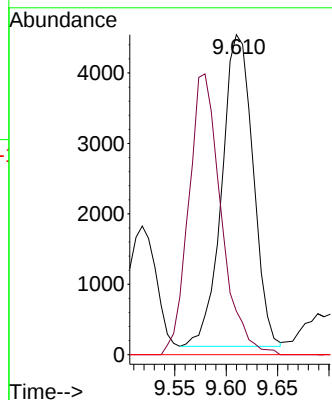


#38
Bromodichloromethane
Concen: 1.897 ug/L
RT: 9.610 min Scan# 1264
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Instrument :
MSVOA_W
ClientSampled :

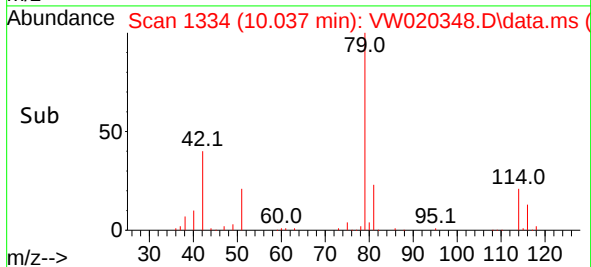
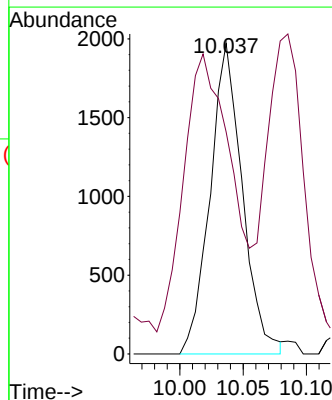
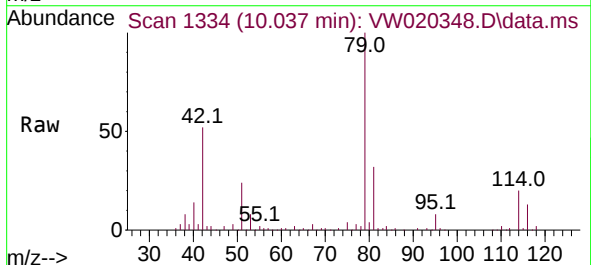


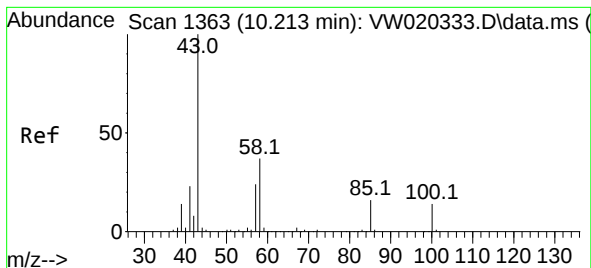
Tgt Ion: 83 Resp: 9368
Ion Ratio Lower Upper
83 100
85 13.6 43.4 80.6#
127 0.0 6.2 9.2#



#39
cis-1,3-Dichloropropene
Concen: 0.610 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion: 75 Resp: 3495
Ion Ratio Lower Upper
75 100
77 71.5 22.4 41.6#

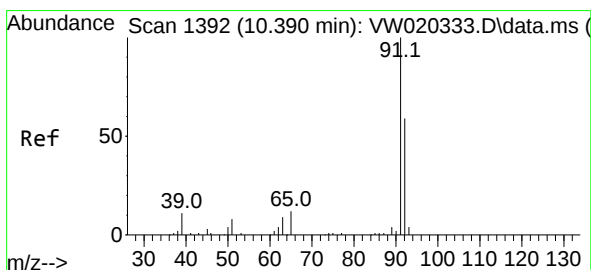
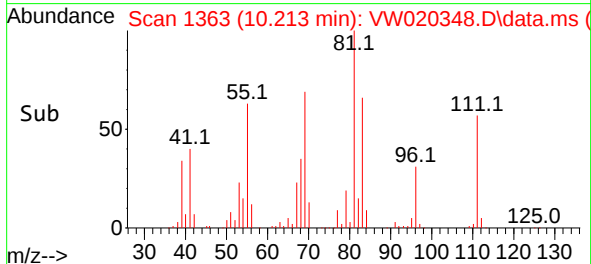
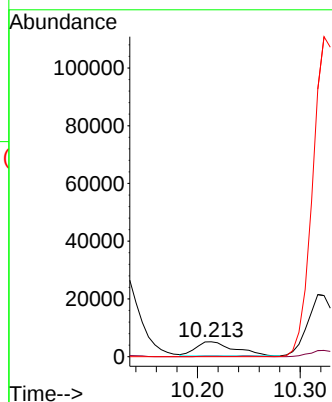
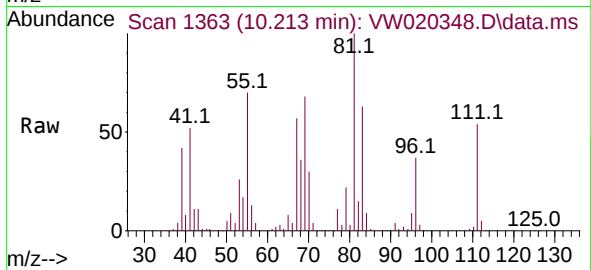




#40
4-Methyl-2-pentanone
Concen: 5.785 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

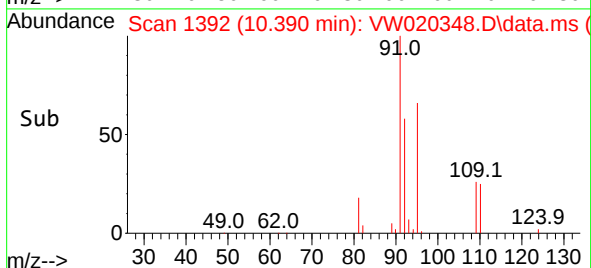
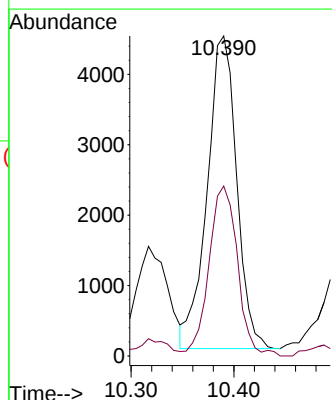
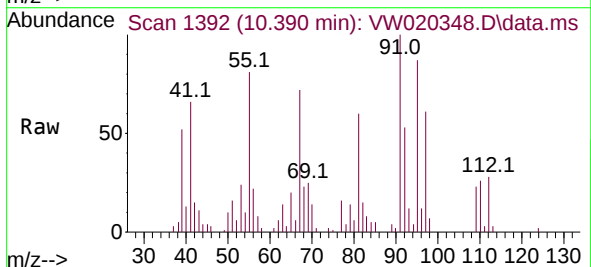
Instrument :
MSVOA_W
ClientSampled :

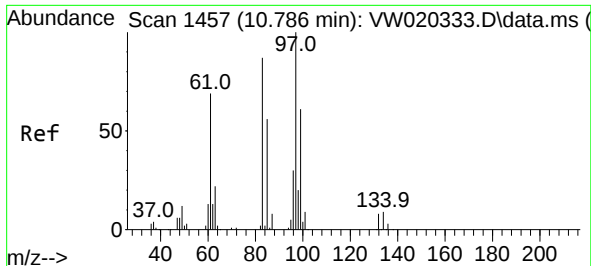
Tgt Ion: 43 Resp: 12808
Ion Ratio Lower Upper
43 100
58 2.6 29.0 43.4#
100 0.0 10.2 15.4#



#42
Toluene
Concen: 0.540 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

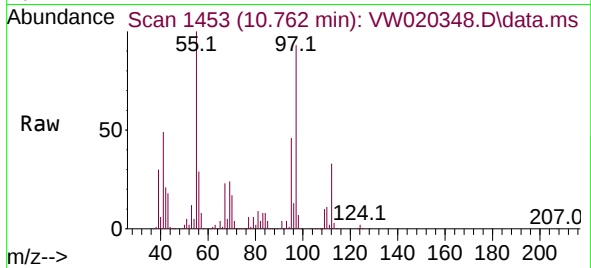
Tgt Ion: 91 Resp: 8842
Ion Ratio Lower Upper
91 100
92 53.1 41.5 77.1



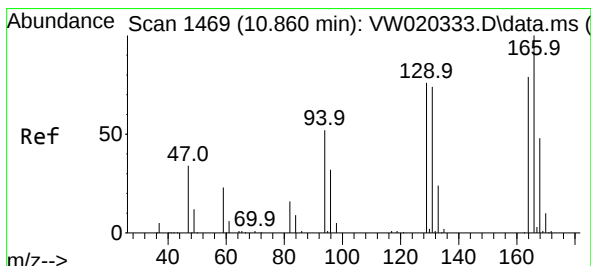
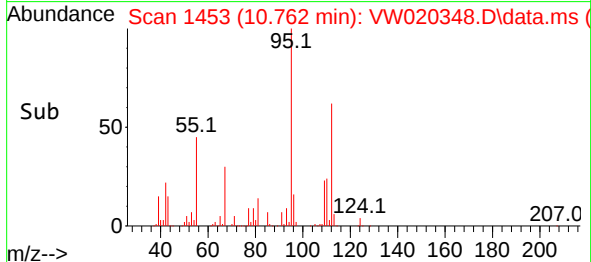
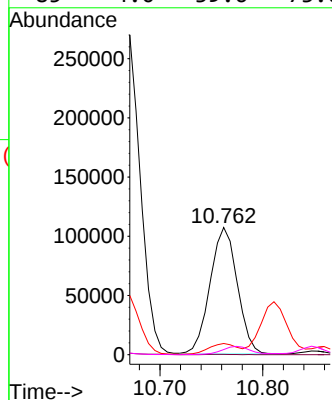


#45
1,1,2-Trichloroethane
Concen: 76.928 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Instrument :
MSVOA_W
ClientSampled :

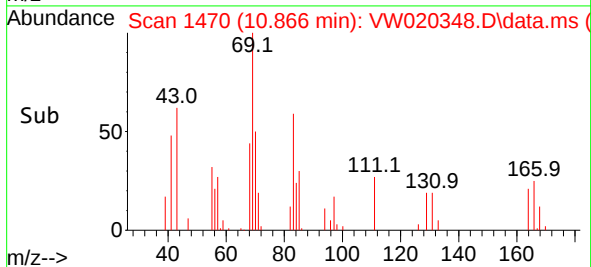
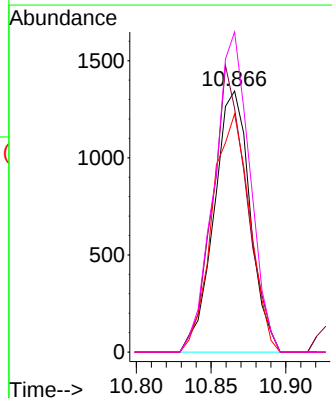
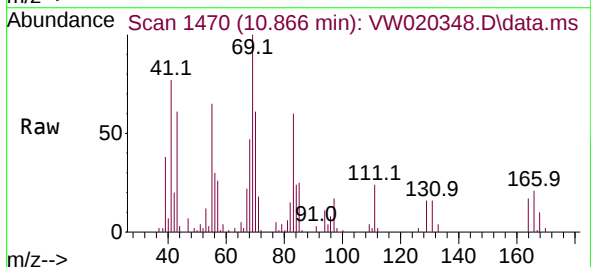


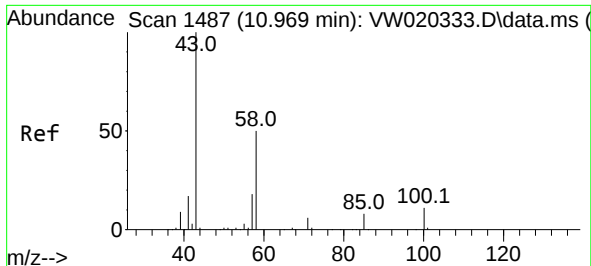
Tgt Ion: 97 Resp: 197240
Ion Ratio Lower Upper
97 100
99 0.3 42.8 79.4#
83 8.8 60.9 113.1#
85 4.0 39.6 73.6#



#46
Tetrachloroethene
Concen: 0.763 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

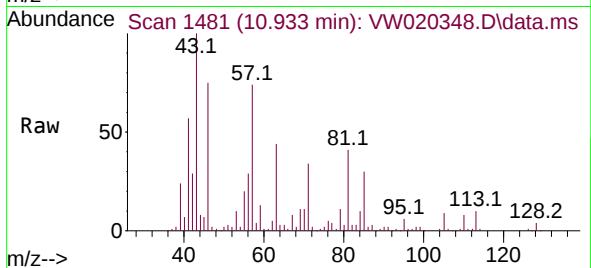
Tgt Ion: 164 Resp: 2247
Ion Ratio Lower Upper
164 100
129 93.3 69.1 128.3
131 91.2 58.3 108.3
166 122.6 90.4 168.0



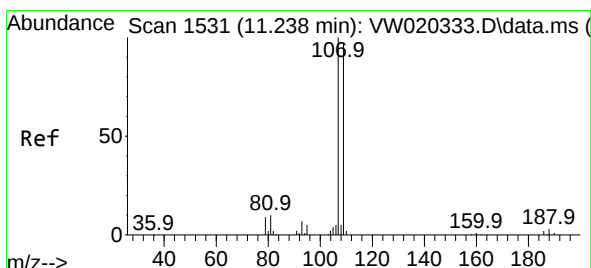
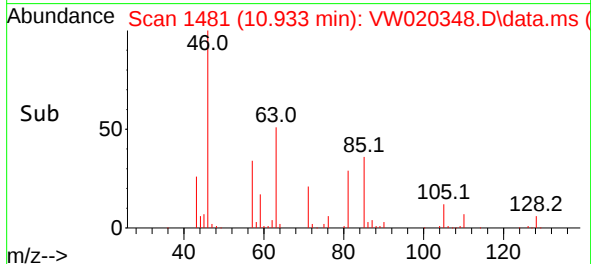
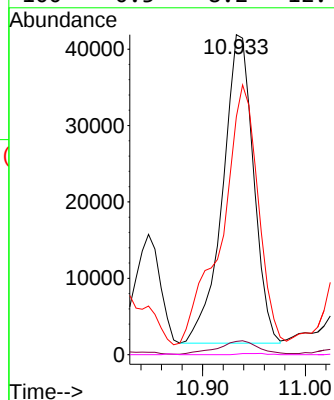


#48
2-Hexanone
Concen: 52.262 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Instrument :
MSVOA_W
ClientSampled :

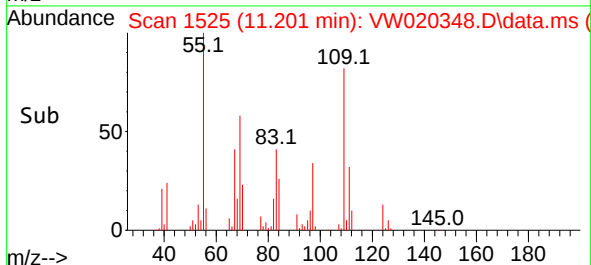
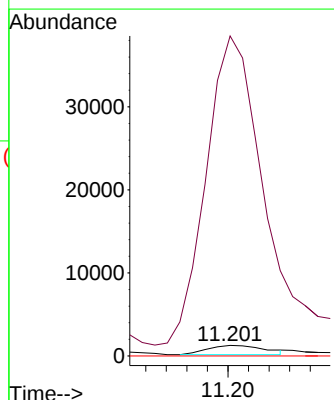
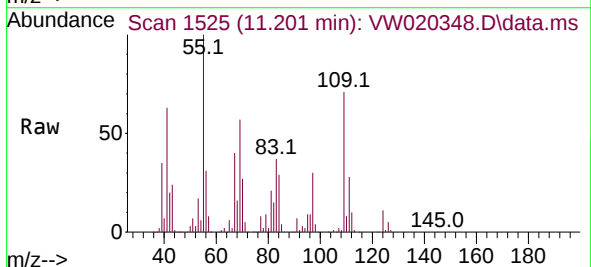


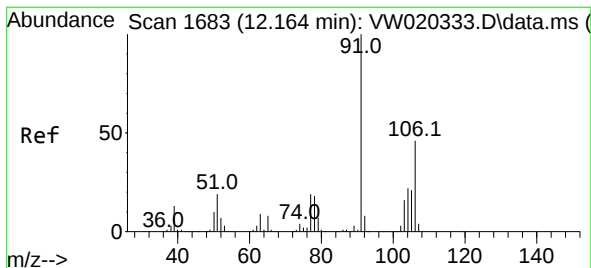
Tgt Ion: 43 Resp: 84409
Ion Ratio Lower Upper
43 100
58 5.7 39.5 59.3#
57 99.1 14.2 21.4#
100 0.3 8.2 12.4#



#50
1,2-Dibromoethane
Concen: 0.923 ug/L
RT: 11.201 min Scan# 1525
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion: 107 Resp: 2176
Ion Ratio Lower Upper
107 100
109 3036.7 64.5 119.9#
188 0.0 3.2 4.8#

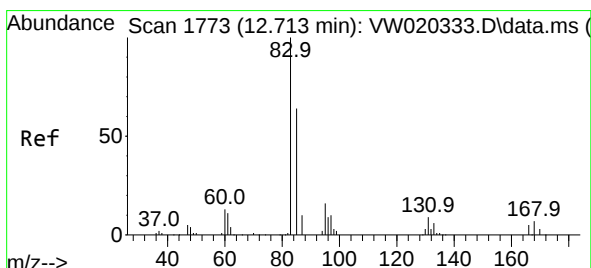
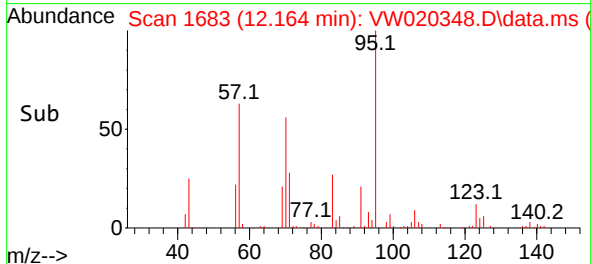
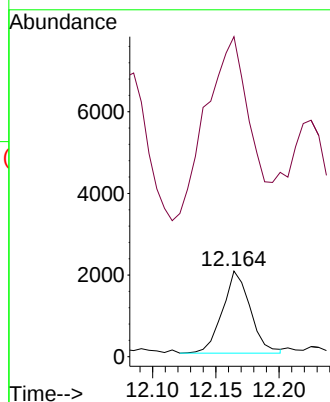
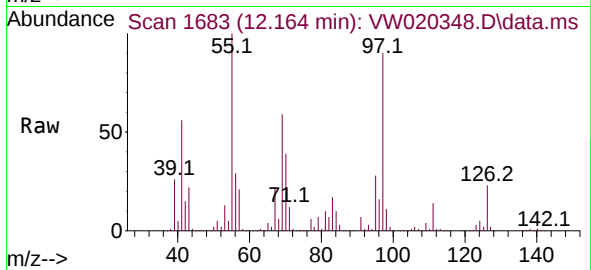




#54
o-Xylene
Concen: 0.495 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

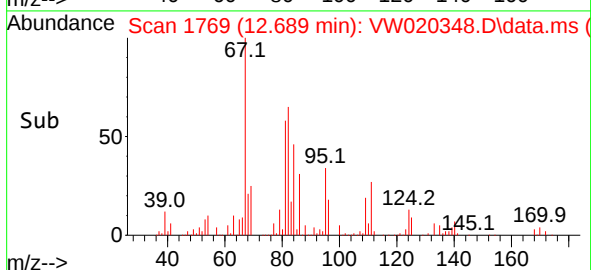
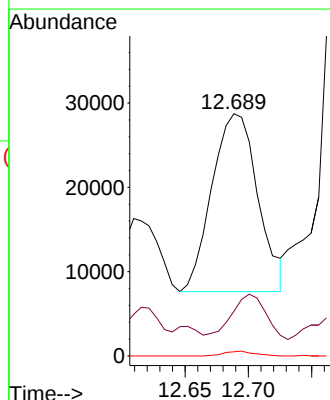
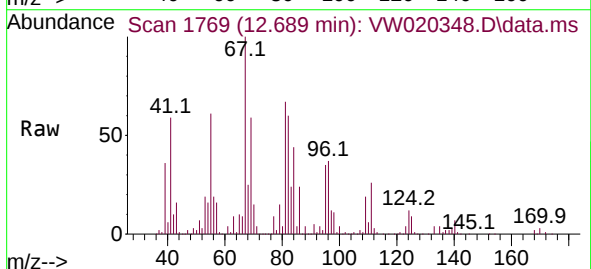
Instrument :
MSVOA_W
ClientSampled :

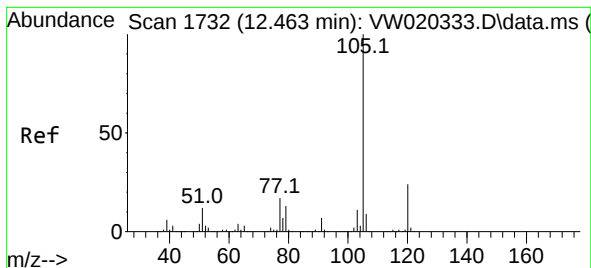
Tgt Ion:106 Resp: 3060
Ion Ratio Lower Upper
106 100
91 373.5 156.1 289.9#



#57
1,1,2,2-Tetrachloroethane
Concen: 17.470 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

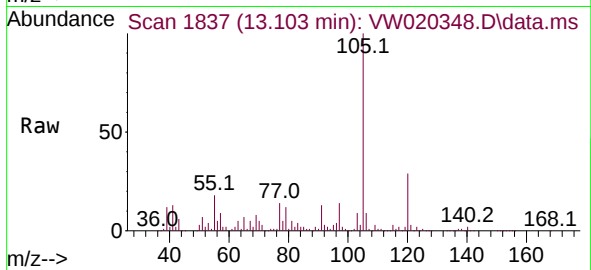
Tgt Ion: 83 Resp: 53255
Ion Ratio Lower Upper
83 100
85 18.4 45.9 85.3#
131 1.7 7.4 11.2#



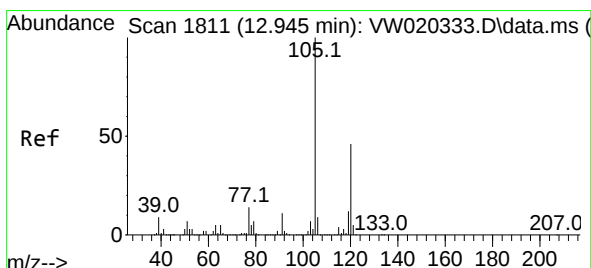
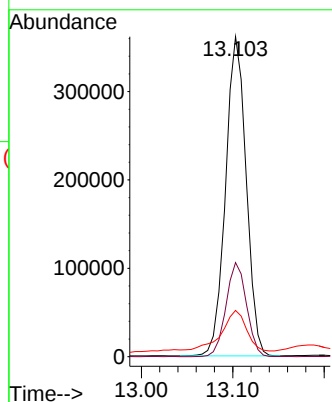
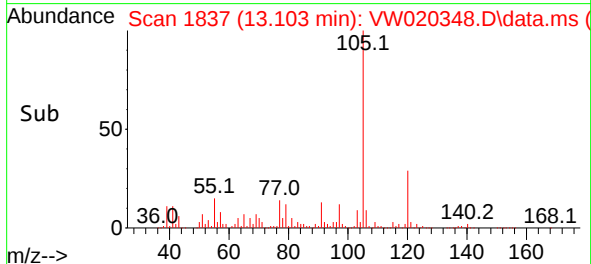


#60
Isopropylbenzene
Concen: 37.322 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

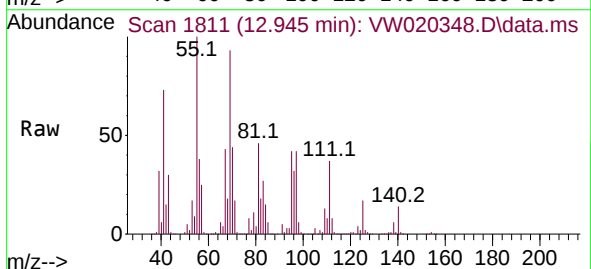
Instrument :
MSVOA_W
ClientSampled :



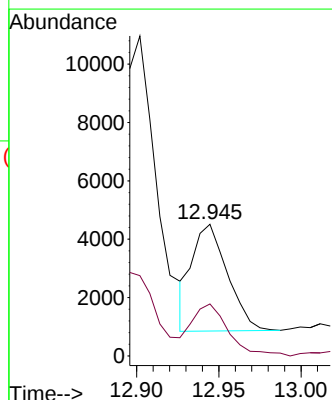
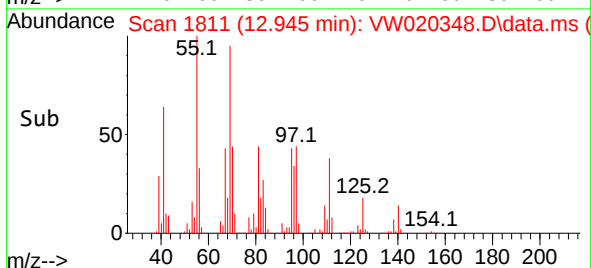
Tgt Ion:105 Resp: 566559
Ion Ratio Lower Upper
105 100
120 29.3 20.3 30.5
77 15.0 13.8 20.6

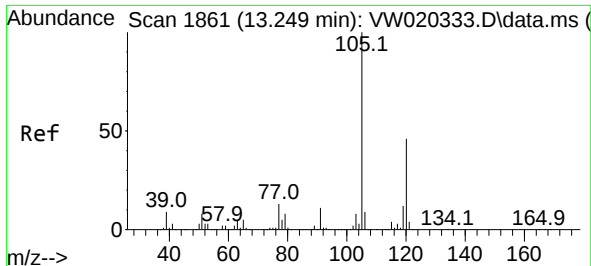


#62
1,3,5-Trimethylbenzene
Concen: 0.446 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51



Tgt Ion:105 Resp: 5481
Ion Ratio Lower Upper
105 100
120 49.9 37.9 56.9

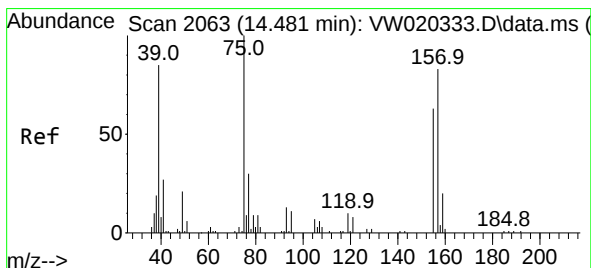
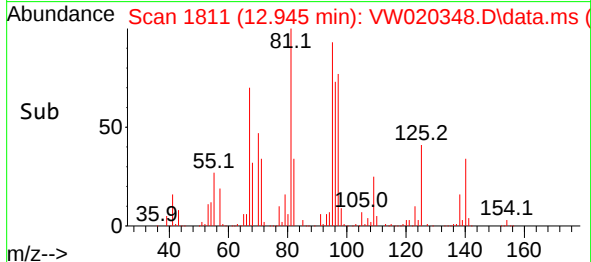
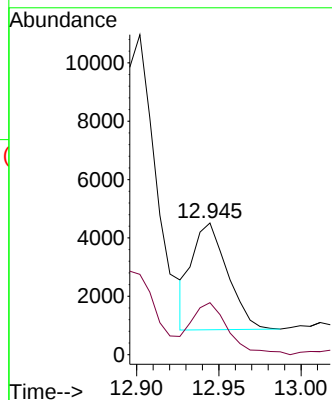
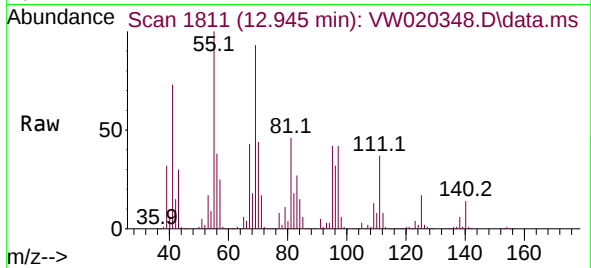




#63
1,2,4-Trimethylbenzene
Concen: 0.447 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.305 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

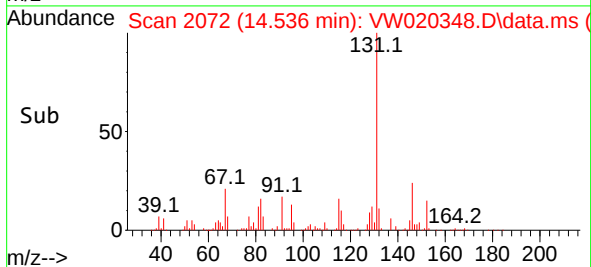
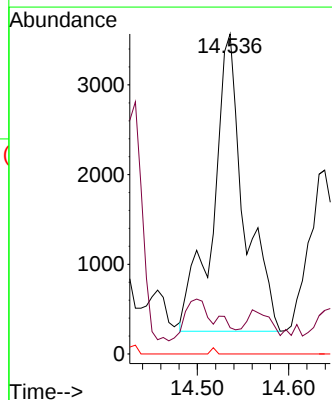
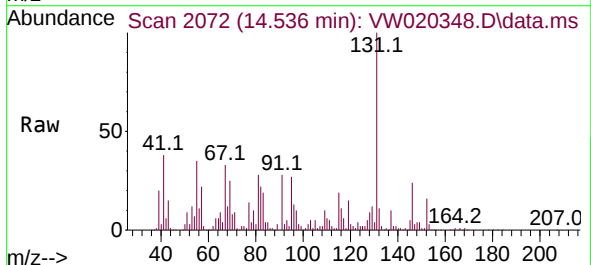
Instrument :
MSVOA_W
ClientSampled :

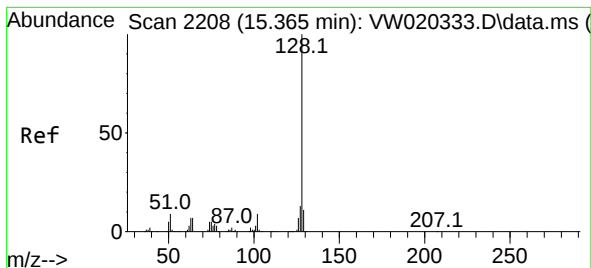
Tgt Ion:105 Resp: 5481
Ion Ratio Lower Upper
105 100
120 49.9 35.4 53.2



#68
1,2-Dibromo-3-chloropropane
Concen: 18.155 ug/L
RT: 14.536 min Scan# 2072
Delta R.T. 0.055 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion: 75 Resp: 7810
Ion Ratio Lower Upper
75 100
155 8.2 51.4 77.0#
157 0.0 70.8 106.2#

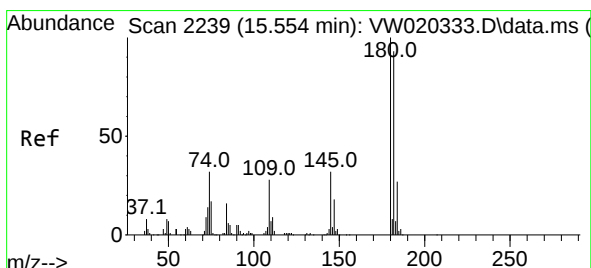
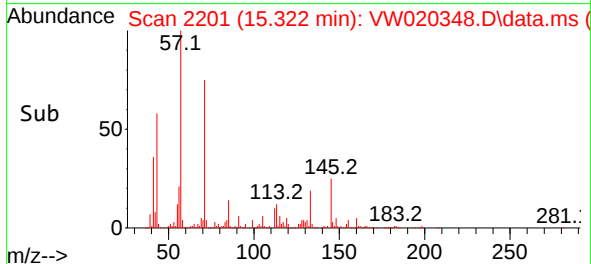
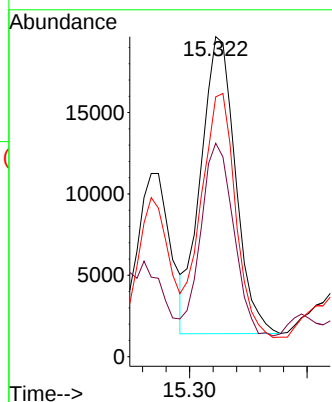
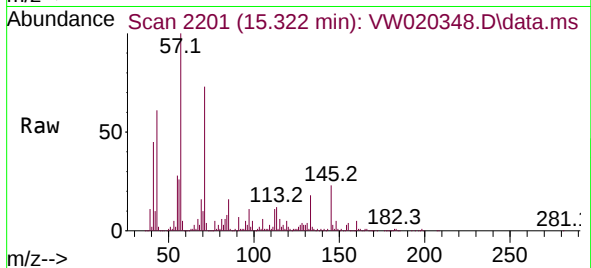




#71
Naphthalene
Concen: 6.084 ug/L
RT: 15.322 min Scan# 2201
Delta R.T. -0.043 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 37493
Ion Ratio Lower Upper
128 100
127 60.9 10.5 15.7#
129 81.1 8.7 13.1#



#72
1,2,3-Trichlorobenzene
Concen: 1.845 ug/L
RT: 15.517 min Scan# 2233
Delta R.T. -0.037 min
Lab File: VW020348.D
Acq: 07 Oct 2021 05:51

Tgt Ion:180 Resp: 5702
Ion Ratio Lower Upper
180 100
182 18.3 74.8 112.2#
145 6623.4 26.2 39.4#

