

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052121\
 Data File : VW021358.D
 Acq On : 21 May 2021 14:56
 Operator : SY/MD
 Sample : M2494-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:39:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri May 21 12:12:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	292976	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	268022	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	145198	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	86234	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.568	69	70810	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.108	63	136245	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	3.902	46	239377	46.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.74%
24) Chloroform-d	4.352	84	179078	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.037	65	87885	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.053	84	369029	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	6.072	67	116331	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.320	98	345467	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloroprop...	7.625	79	46672	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.088	63	159678	43.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.46%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	64273	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
66) 1,2-Dichlorobenzene-d4	11.625	152	139657	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1372	0.08	ug/L #	27
12) 1,1-Dichloroethene	2.118	96	50836	3.14	ug/L #	76
13) Acetone	2.198	43	5457	1.97	ug/L	82
19) 1,1-Dichloroethane	3.195	63	16776	0.48	ug/L	97
25) Chloroform	4.378	83	5200	0.14	ug/L	89
29) 1,1,1-Trichloroethane	4.609	97	146174	4.44	ug/L	97
31) Carbon tetrachloride	4.609	117	19729	0.67	ug/L	99
34) Trichloroethene	5.924	95	2740	0.12	ug/L	93
35) Methylcyclohexane	6.072	83	27731	0.80	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	12289	0.66	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	3486	0.12	ug/L #	73
42) Toluene	7.400	91	8440	0.10	ug/L	99
47) Tetrachloroethene	7.979	164	84415	4.52	ug/L	96
48) 2-Hexanone	8.146	43	43794	5.15	ug/L #	84
49) Dibromochloromethane	7.976	129	72347	3.88	ug/L #	11
60) Isopropylbenzene	10.924	105	1476	0.02	ug/L #	79
61) 1,2,3-Trichloropropane	11.249	75	14547	1.35	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.924	105	1476	0.02	ug/L	89
63) 1,2,4-Trimethylbenzene	10.924	105	1476	0.02	ug/L	94

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri May 21 12:12:53 2021
Response via : Initial Calibration

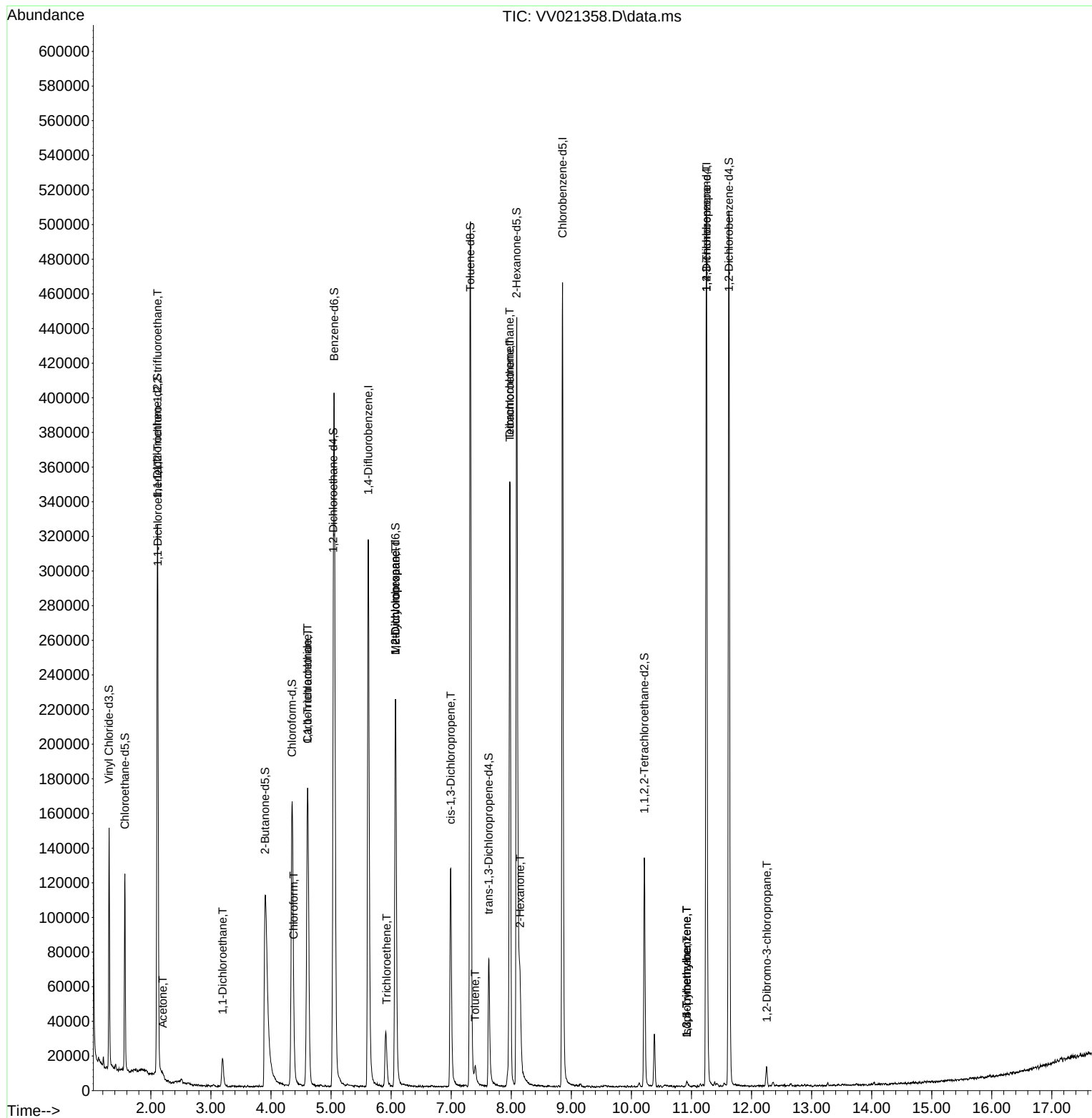
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.252	75	304	0.14	ug/L #	1

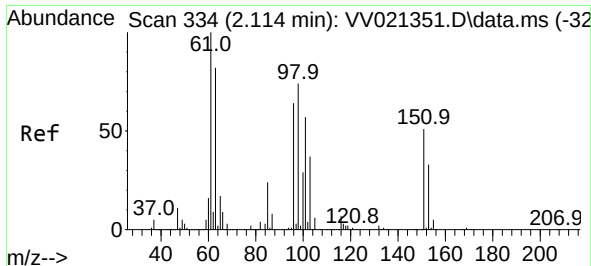
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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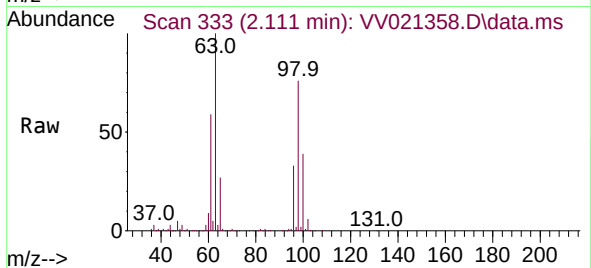
Quant Time: May 22 01:39:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052121WMA.M
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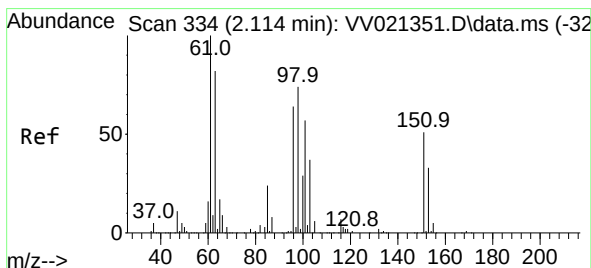
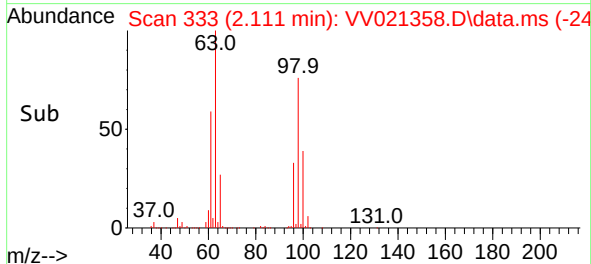
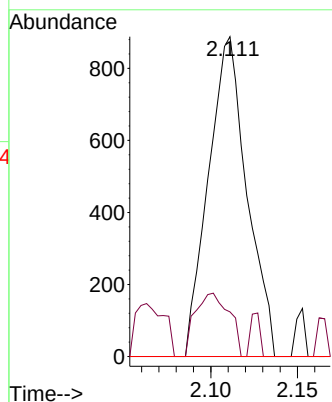


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.08 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. -0.003 min
 Lab File: VV021358.D
 Acq: 21 May 2021 14:56

Instrument :
 MSVOA_V
 ClientSampled :

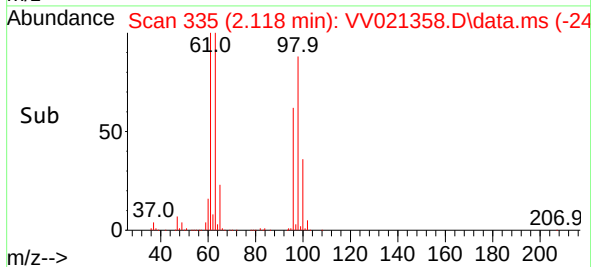
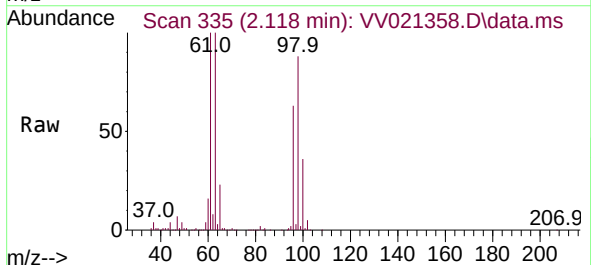
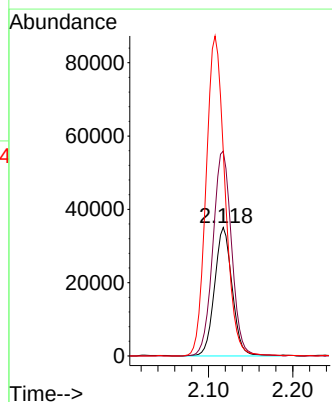


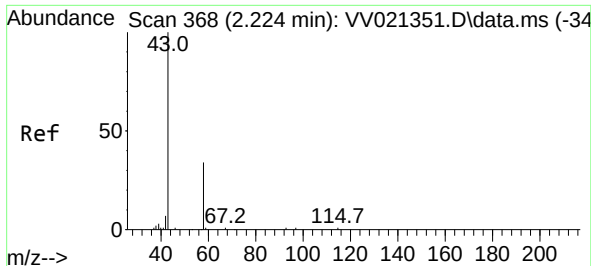
Tgt Ion:101 Resp: 1372
 Ion Ratio Lower Upper
 101 100
 85 17.6 33.0 49.6#
 151 0.0 64.2 96.2#



#12
 1,1-Dichloroethene
 Concen: 3.14 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV021358.D
 Acq: 21 May 2021 14:56

Tgt Ion: 96 Resp: 50836
 Ion Ratio Lower Upper
 96 100
 61 159.3 109.8 204.0
 63 159.8 71.3 132.3#

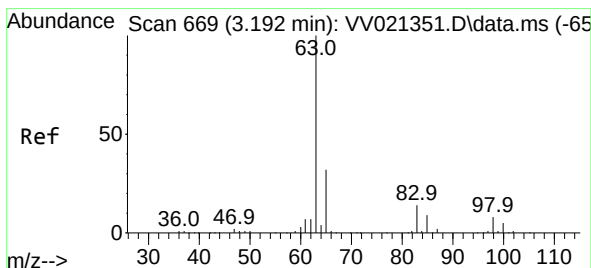
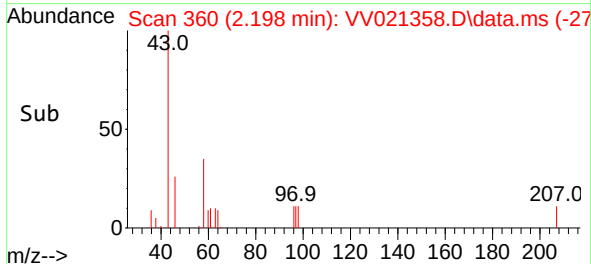
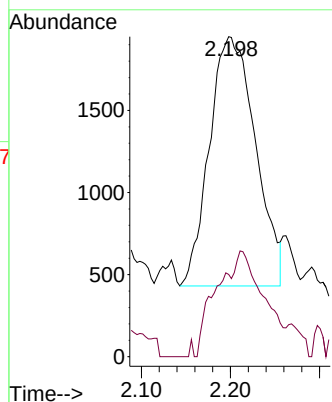
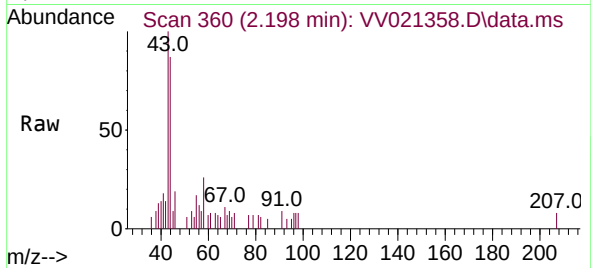




#13
Acetone
Concen: 1.97 ug/L
RT: 2.198 min Scan# 360
Delta R.T. -0.026 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

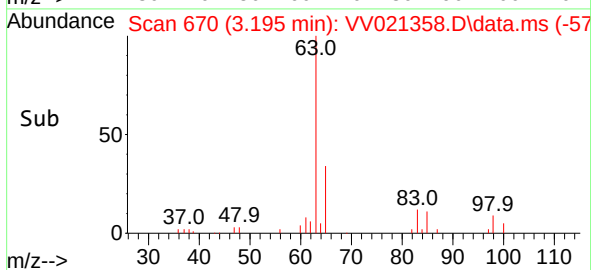
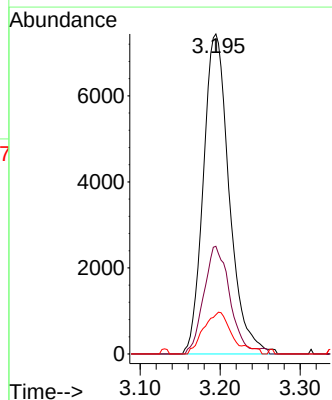
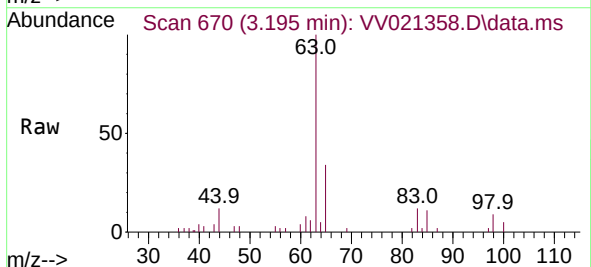
Instrument :
MSVOA_V
ClientSampled :

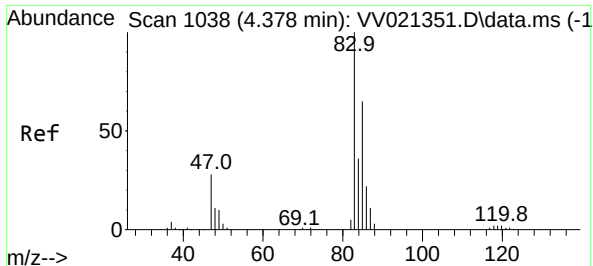
Tgt Ion: 43 Resp: 5457
Ion Ratio Lower Upper
43 100
58 43.8 0.0 67.4



#19
1,1-Dichloroethane
Concen: 0.48 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.003 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion: 63 Resp: 16776
Ion Ratio Lower Upper
63 100
65 33.7 22.3 41.5
83 12.2 9.7 17.9





#25

Chloroform

Concen: 0.14 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VV021358.D

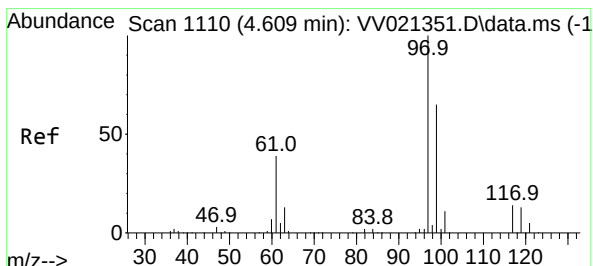
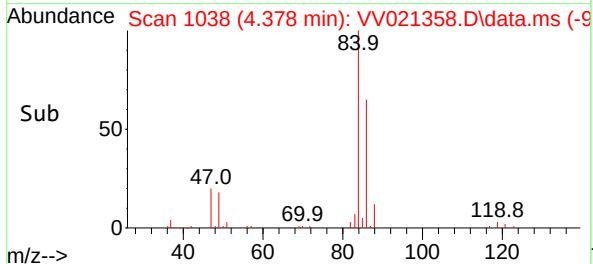
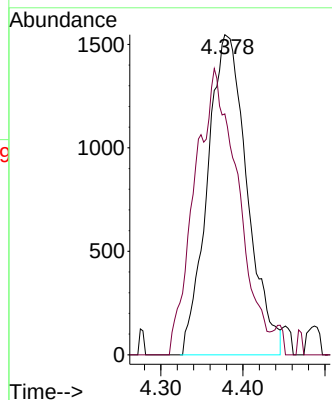
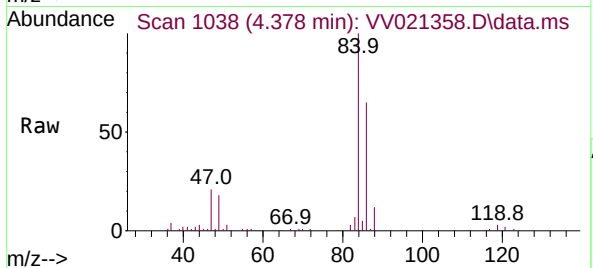
Acq: 21 May 2021 14:56

Tgt Ion: 83 Resp: 5200

Ion Ratio Lower Upper

83 100

85 75.2 46.4 86.2



#29

1,1,1-Trichloroethane

Concen: 4.44 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VV021358.D

Acq: 21 May 2021 14:56

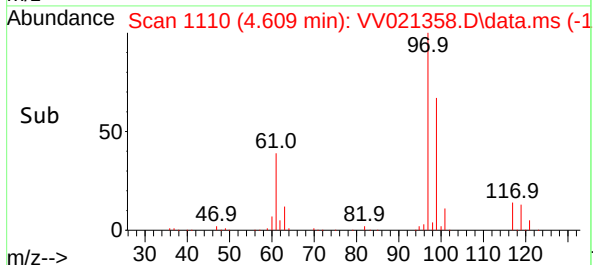
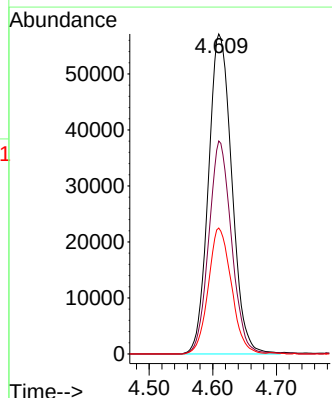
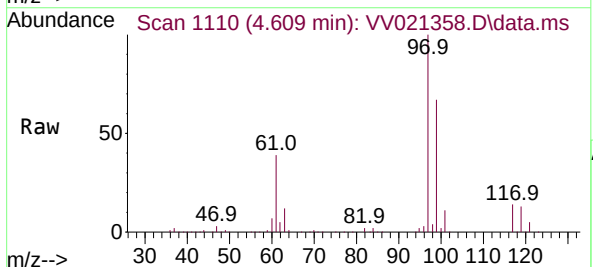
Tgt Ion: 97 Resp: 146174

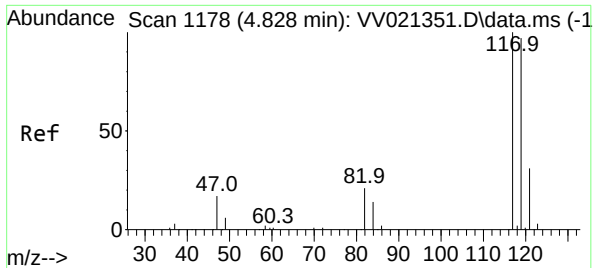
Ion Ratio Lower Upper

97 100

99 64.6 50.6 75.8

61 38.8 33.2 49.8

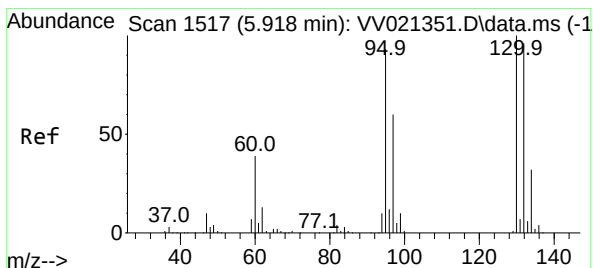
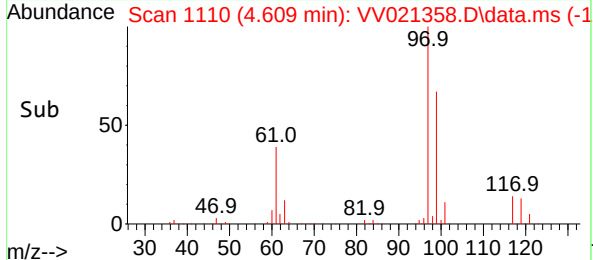
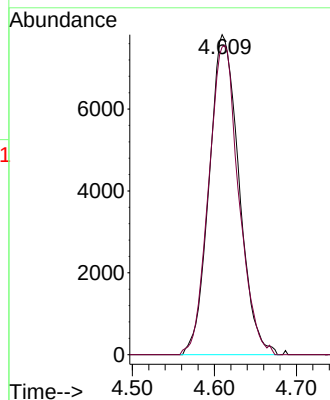
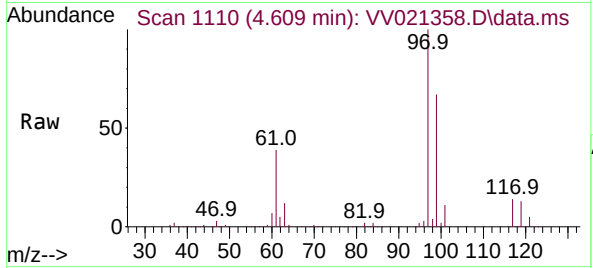




#31
Carbon tetrachloride
Concen: 0.67 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.219 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

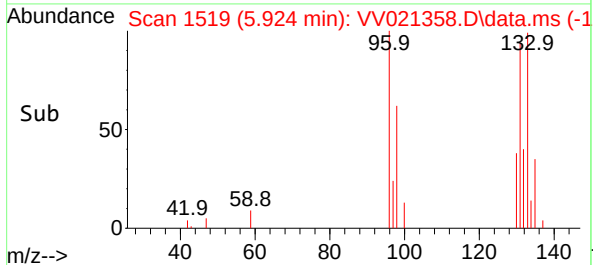
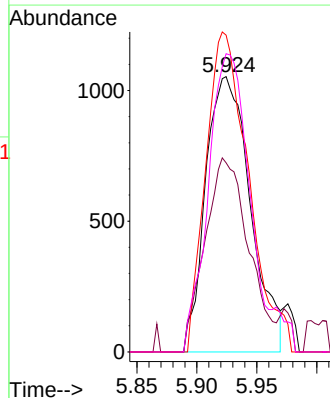
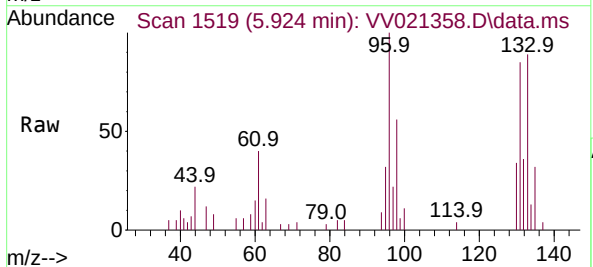
Instrument :
MSVOA_V
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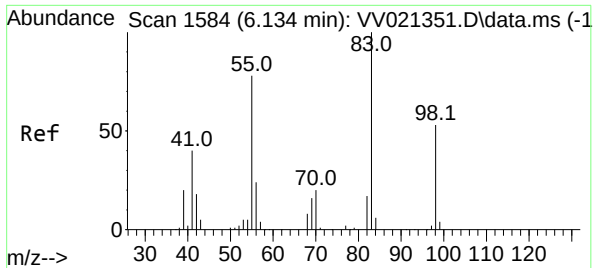
Tgt Ion:117 Resp: 19729
Ion Ratio Lower Upper
117 100
119 97.3 77.4 116.2



#34
Trichloroethene
Concen: 0.12 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion: 95 Resp: 2740
Ion Ratio Lower Upper
95 100
97 68.7 45.1 83.9
132 115.1 71.5 132.9
130 108.4 73.5 136.5

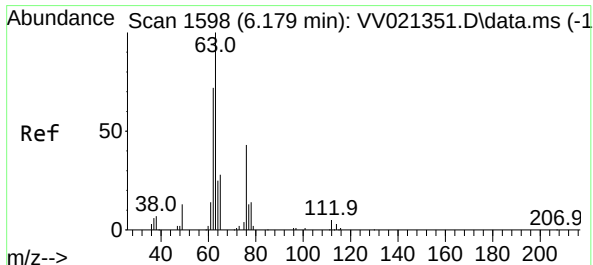
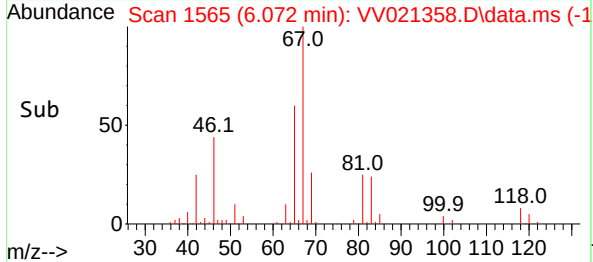
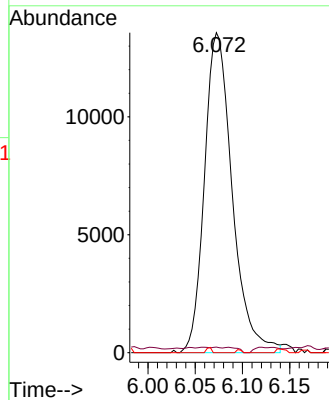
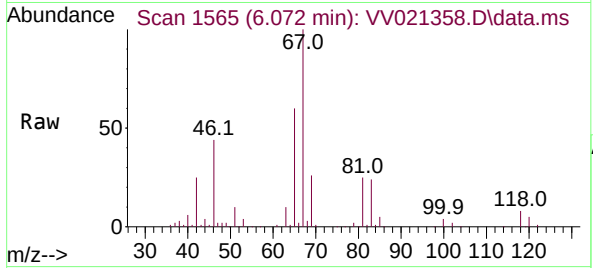




#35
Methylcyclohexane
Concen: 0.80 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

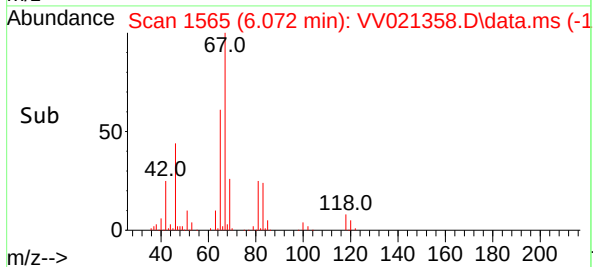
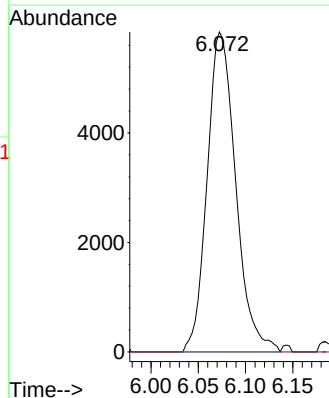
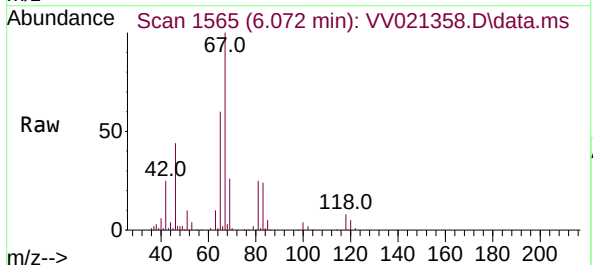
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MSVOA_V
ClientSampled :

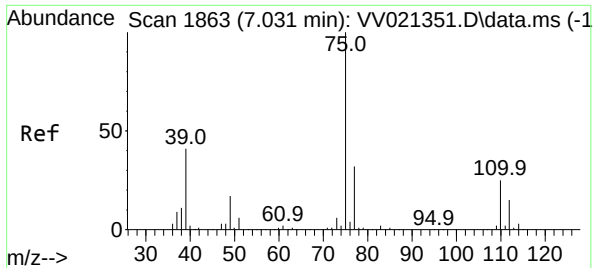
Tgt Ion:	83	Resp:	27731
Ion	Ratio	Lower	Upper
83	100		
55	0.1	59.1	88.7#
98	0.0	40.1	60.1#



#37
1,2-Dichloropropane
Concen: 0.66 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion:	63	Resp:	12289
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.8#

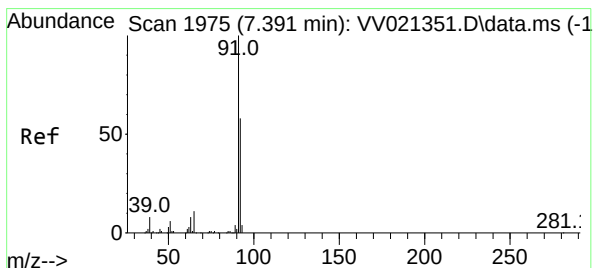
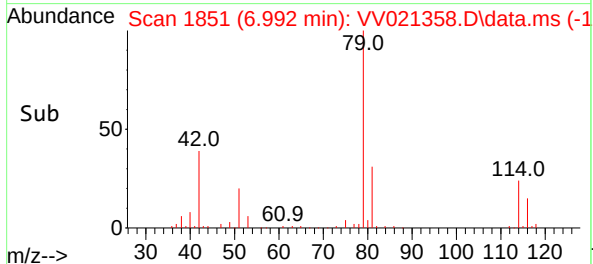
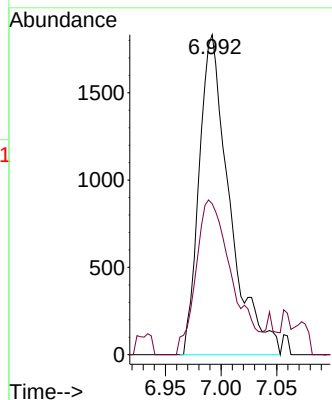
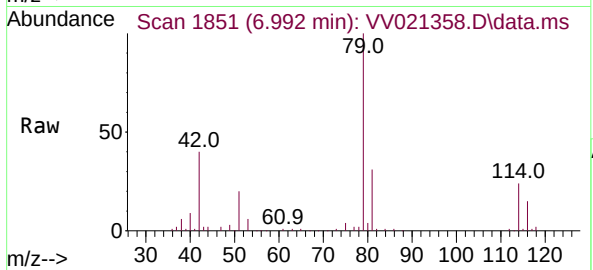




#39
cis-1,3-Dichloropropene
Concen: 0.12 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.039 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

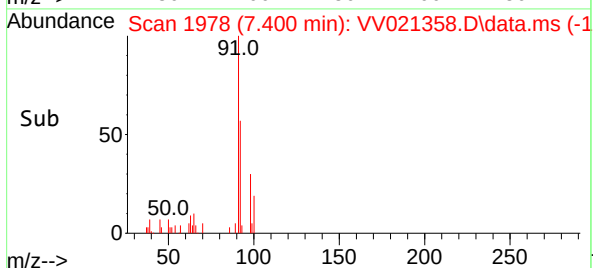
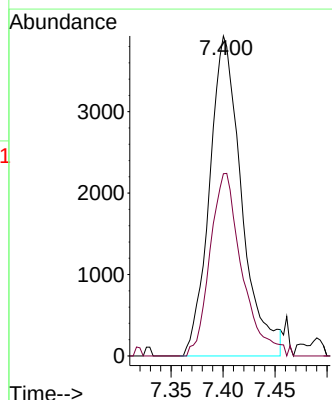
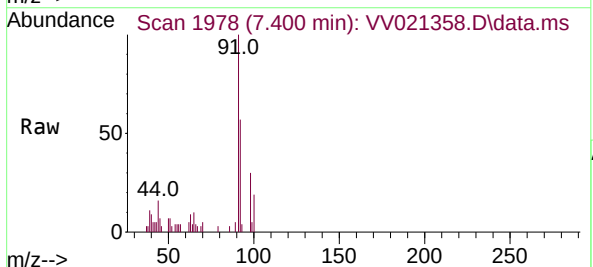
Instrument :
MSVOA_V
ClientSampled :

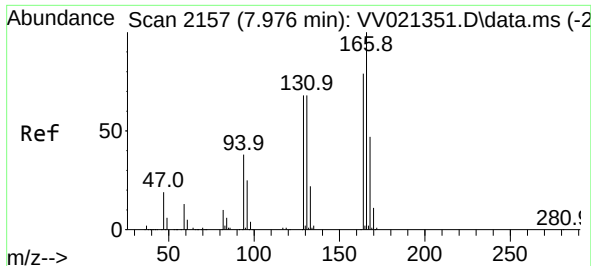
Tgt Ion: 75 Resp: 3486
Ion Ratio Lower Upper
75 100
77 47.1 22.5 41.9#



#42
Toluene
Concen: 0.10 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion: 91 Resp: 8440
Ion Ratio Lower Upper
91 100
92 57.0 40.5 75.1





#47

Tetrachloroethene

Concen: 4.52 ug/L

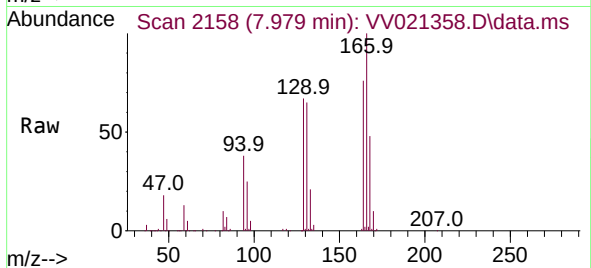
RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV021358.D

Acq: 21 May 2021 14:56

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 84415

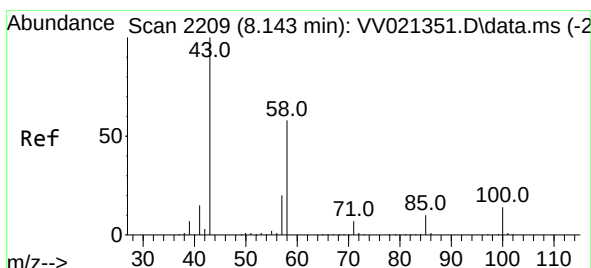
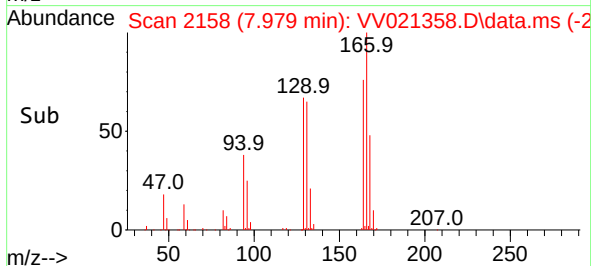
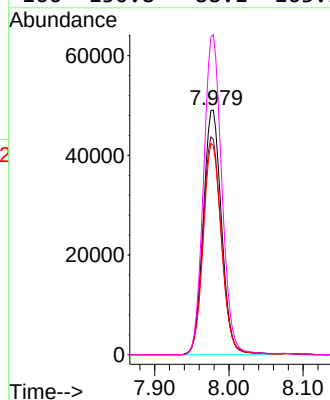
Ion Ratio Lower Upper

164 100

129 88.1 65.0 120.6

131 85.6 61.8 114.8

166 130.8 88.1 163.5



#48

2-Hexanone

Concen: 5.15 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VV021358.D

Acq: 21 May 2021 14:56

Tgt Ion: 43 Resp: 43794

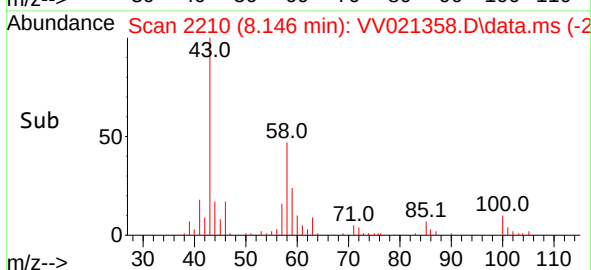
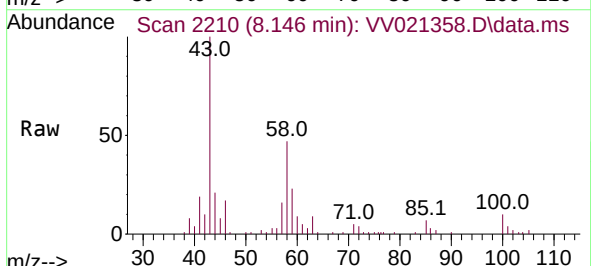
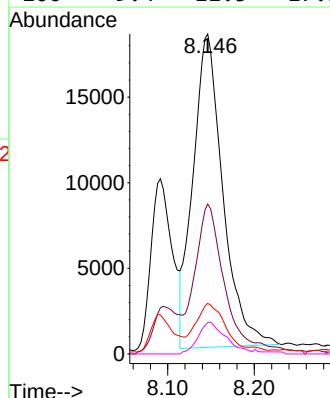
Ion Ratio Lower Upper

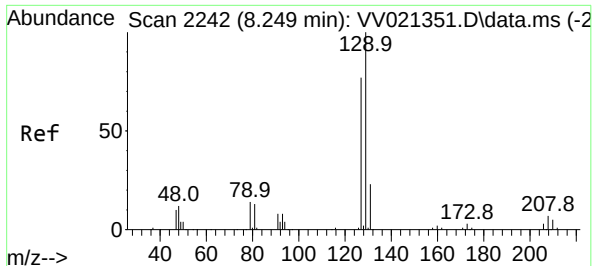
43 100

58 46.8 47.8 71.8#

57 12.8 16.6 24.8#

100 9.4 11.5 17.3#





#49

Dibromochloromethane

Concen: 3.88 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV021358.D

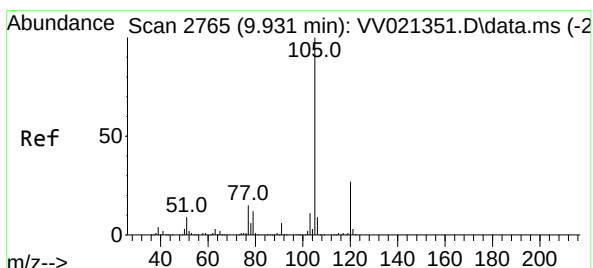
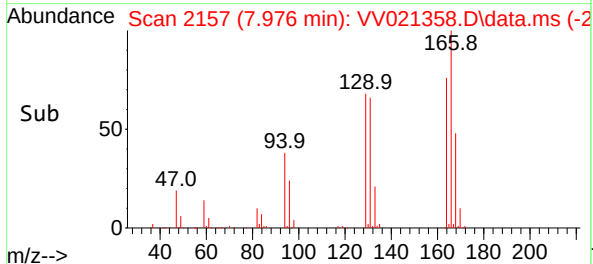
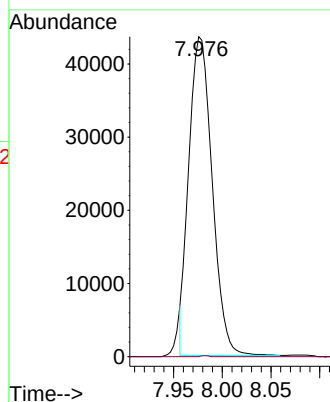
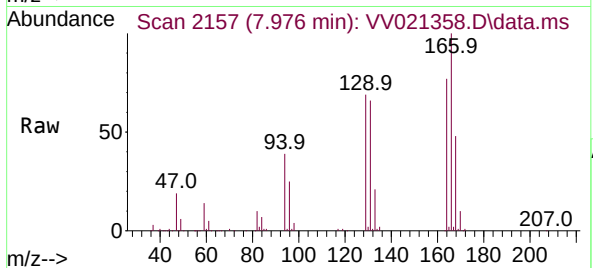
Acq: 21 May 2021 14:56

Tgt Ion:129 Resp: 72347

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



#60

Isopropylbenzene

Concen: 0.02 ug/L

RT: 10.924 min Scan# 3074

Delta R.T. 0.993 min

Lab File: VV021358.D

Acq: 21 May 2021 14:56

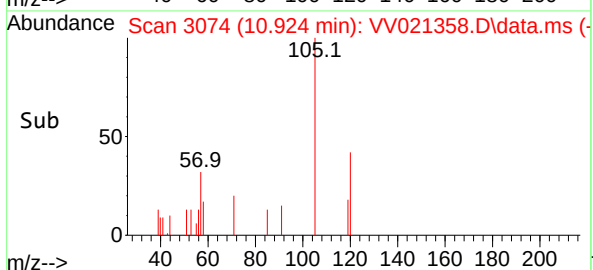
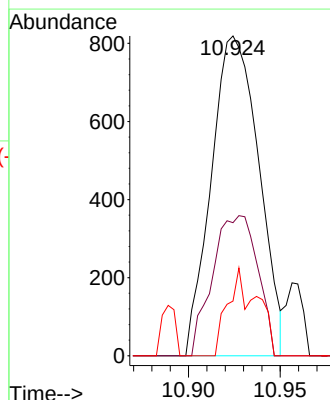
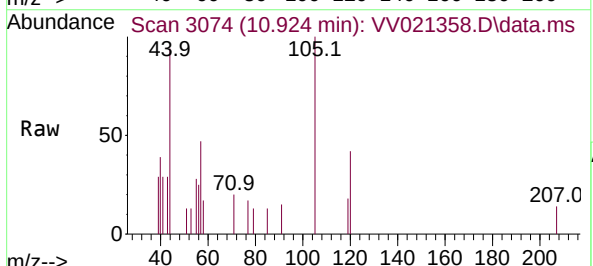
Tgt Ion:105 Resp: 1476

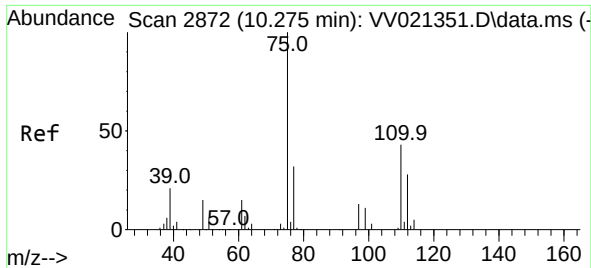
Ion Ratio Lower Upper

105 100

120 41.7 21.7 32.5#

77 11.3 12.3 18.5#

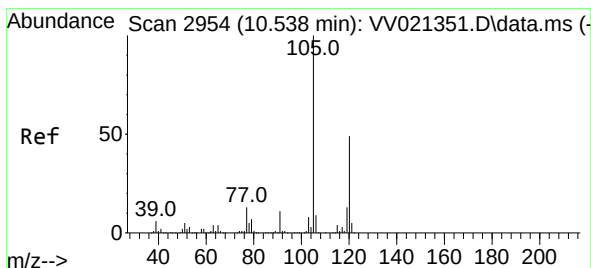
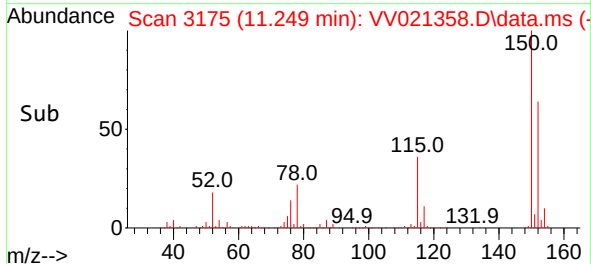
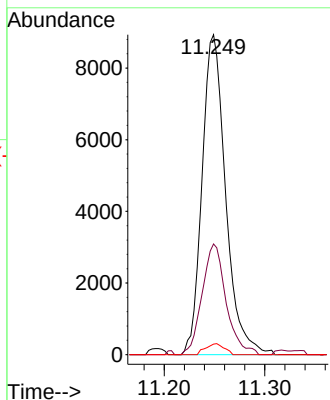
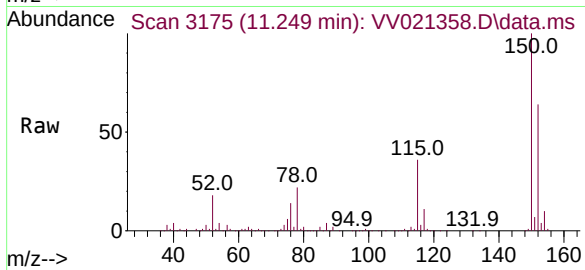




#61
1,2,3-Trichloropropane
Concen: 1.35 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

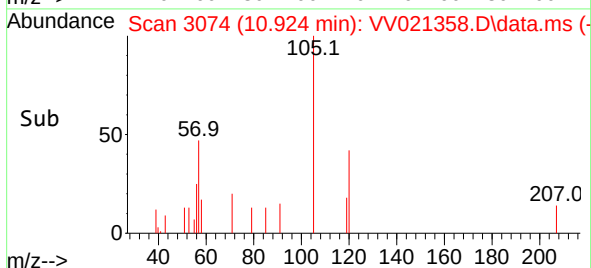
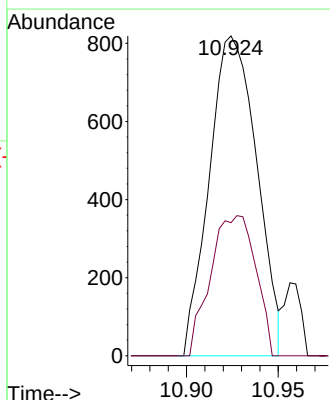
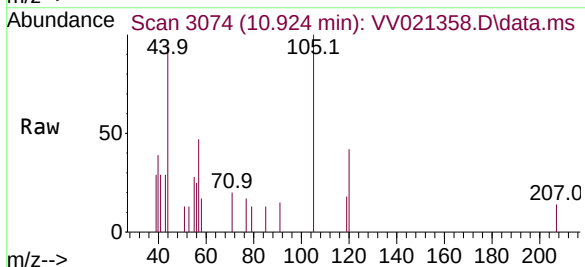
Instrument :
MSVOA_V
ClientSampled :

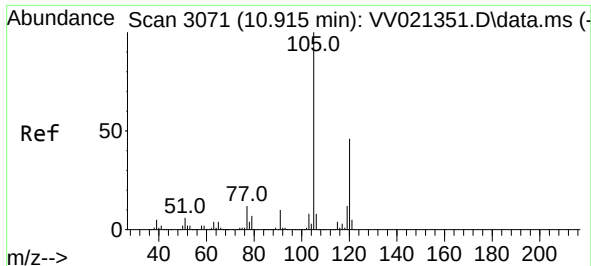
Tgt Ion: 75 Resp: 14547
Ion Ratio Lower Upper
75 100
77 35.1 26.1 39.1
110 2.7 33.2 49.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.02 ug/L
RT: 10.924 min Scan# 3074
Delta R.T. 0.386 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion: 105 Resp: 1476
Ion Ratio Lower Upper
105 100
120 41.7 39.4 59.0

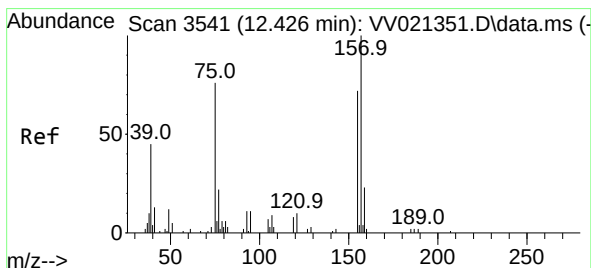
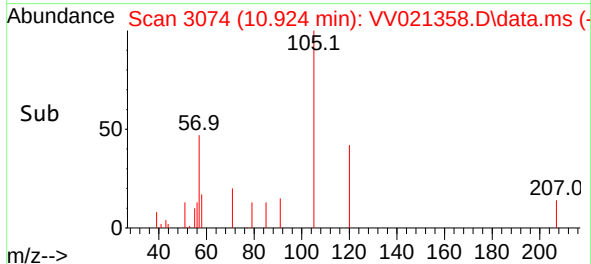
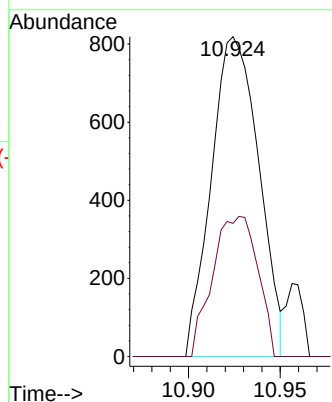
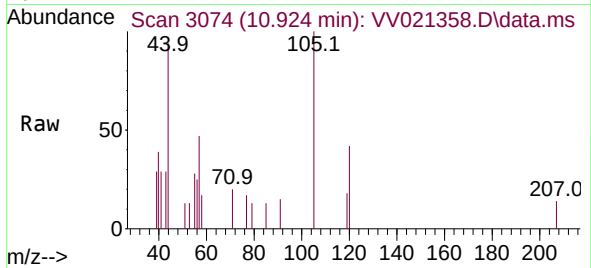




#63
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 10.924 min Scan# 3074
Delta R.T. 0.010 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:105 Resp: 1476
Ion Ratio Lower Upper
105 100
120 41.7 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.14 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.174 min
Lab File: VV021358.D
Acq: 21 May 2021 14:56

Tgt Ion: 75 Resp: 304
Ion Ratio Lower Upper
75 100
155 0.0 72.8 109.2#
157 0.0 94.7 142.1#

