

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052121\
 Data File : VW021359.D
 Acq On : 21 May 2021 15:20
 Operator : SY/MD
 Sample : M2494-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:39:47 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	288065	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	266742	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	145499	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	84452	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.564	69	71740	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.105	63	124591	3.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.20%
20) 2-Butanone-d5	3.915	46	234453	46.69	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.38%
24) Chloroform-d	4.352	84	173986	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.037	65	86040	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.053	84	366288	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.072	67	114548	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.320	98	344828	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloroprop...	7.629	79	47777	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.092	63	164846	44.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.68%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	64418	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
66) 1,2-Dichlorobenzene-d4	11.625	152	139227	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1323	0.08	ug/L #	25
12) 1,1-Dichloroethene	2.118	96	37301	2.35	ug/L #	74
19) 1,1-Dichloroethane	3.191	63	24638	0.72	ug/L	97
25) Chloroform	4.378	83	5749	0.16	ug/L	79
29) 1,1,1-Trichloroethane	4.609	97	609241	18.61	ug/L	98
31) Carbon tetrachloride	4.609	117	82586	2.83	ug/L	100
34) Trichloroethene	5.921	95	2439	0.11	ug/L	93
35) Methylcyclohexane	6.072	83	27586	0.80	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	11874	0.64	ug/L #	87
39) cis-1,3-Dichloropropene	6.992	75	3070	0.10	ug/L #	49
42) Toluene	7.403	91	7328	0.09	ug/L	98
44) trans-1,3-Dichloropropene	7.632	75	2068	0.08	ug/L #	59
47) Tetrachloroethene	7.976	164	125733	6.77	ug/L	96
48) 2-Hexanone	8.146	43	42914	5.07	ug/L #	85
49) Dibromochloromethane	7.976	129	105047	5.66	ug/L #	11
60) Isopropylbenzene	10.924	105	1522	0.02	ug/L #	81
61) 1,2,3-Trichloropropane	11.249	75	15235	1.41	ug/L #	65
62) 1,3,5-Trimethylbenzene	10.542	105	273	0.00	ug/L #	74
63) 1,2,4-Trimethylbenzene	10.924	105	1522	0.02	ug/L	88

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 Quant Title : TRACE VOA SFAM1.0
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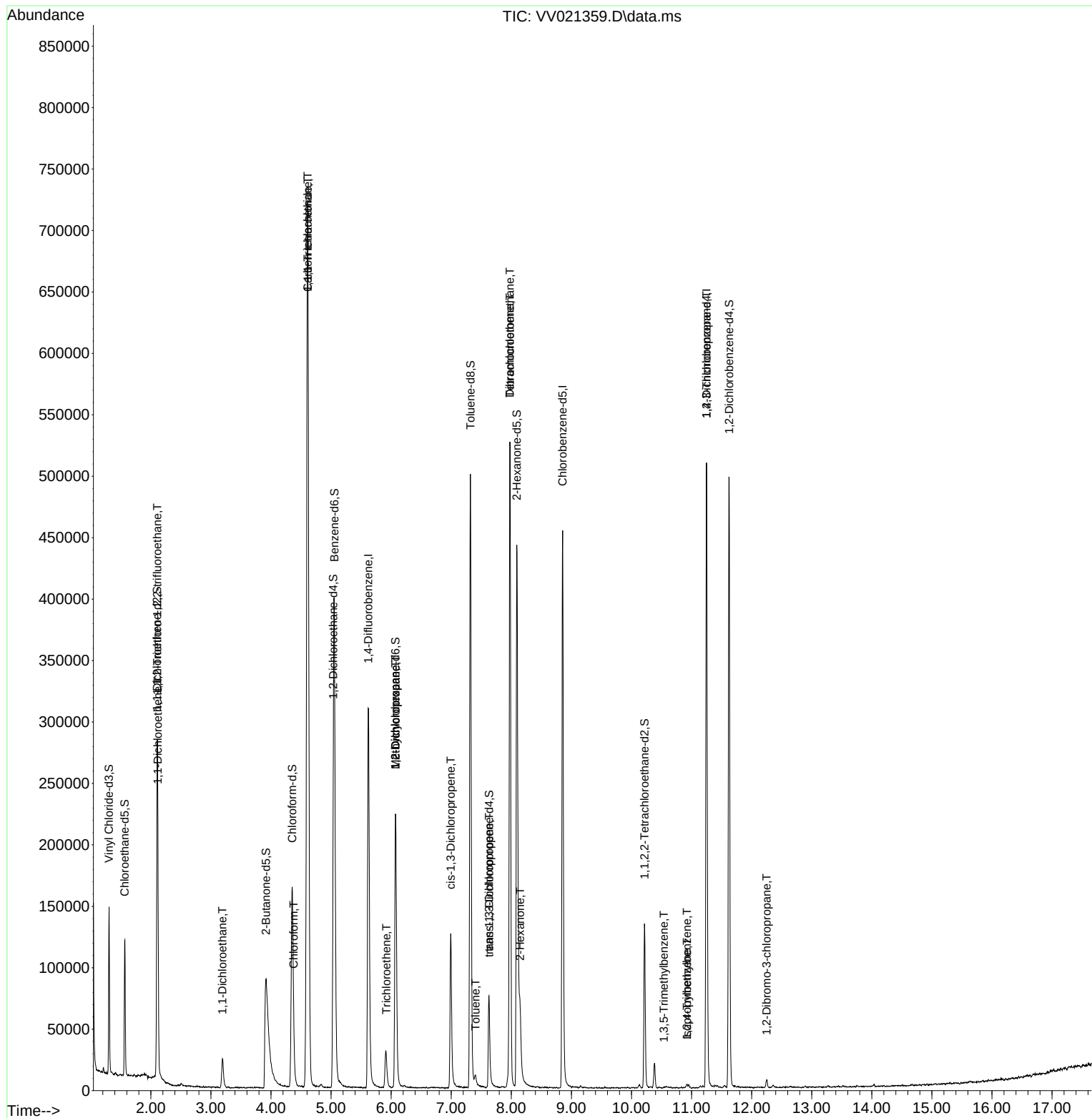
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.249	75	199	0.09 ug/L	#	1

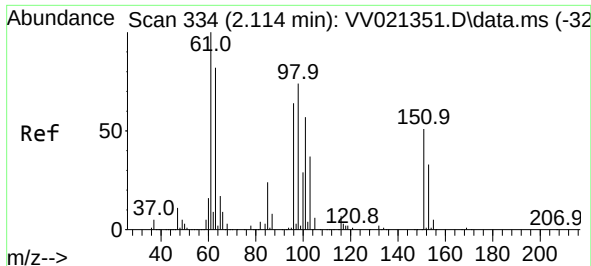
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.08 ug/L

RT: 2.108 min Scan# 332

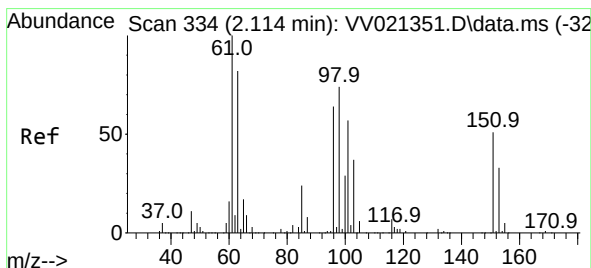
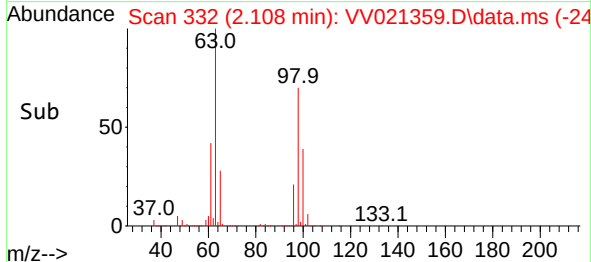
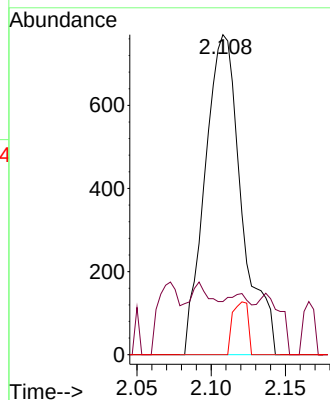
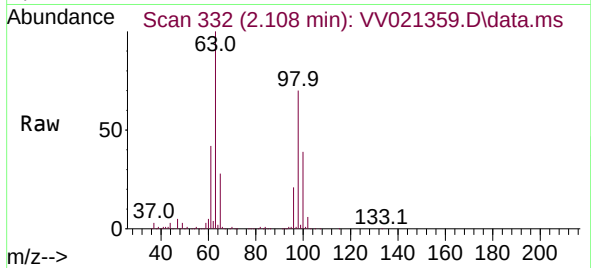
Delta R.T. -0.007 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:	101	Resp:	1323
Ion	Ratio	Lower	Upper
101	100		
85	4.3	33.0	49.6#
151	6.9	64.2	96.2#



#12

1,1-Dichloroethene

Concen: 2.35 ug/L

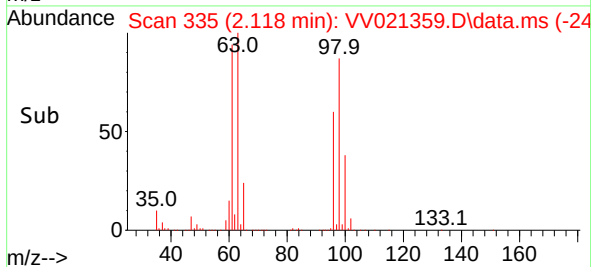
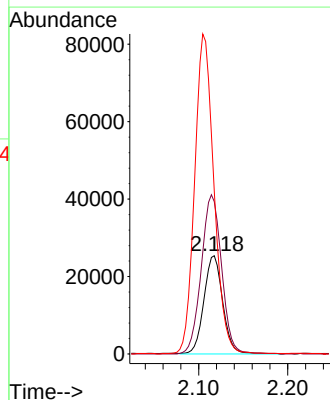
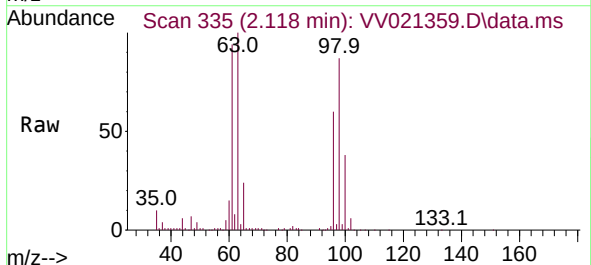
RT: 2.118 min Scan# 335

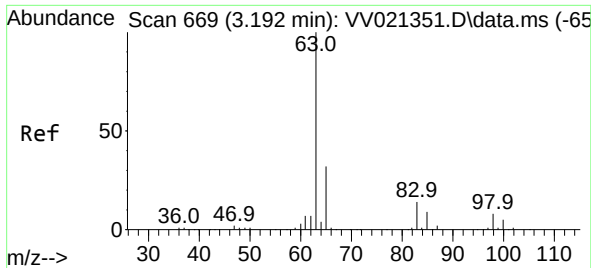
Delta R.T. 0.003 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion:	96	Resp:	37301
Ion	Ratio	Lower	Upper
96	100		
61	155.1	109.8	204.0
63	165.8	71.3	132.3#





#19

1,1-Dichloroethane

Concen: 0.72 ug/L

RT: 3.191 min Scan# 669

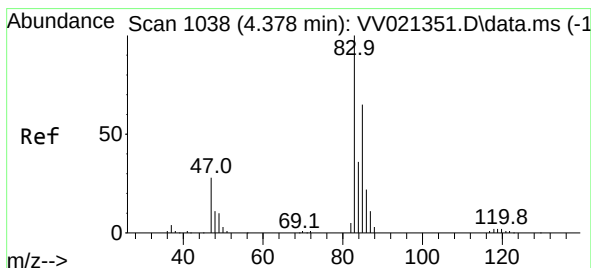
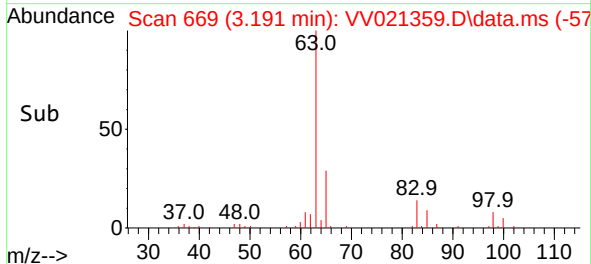
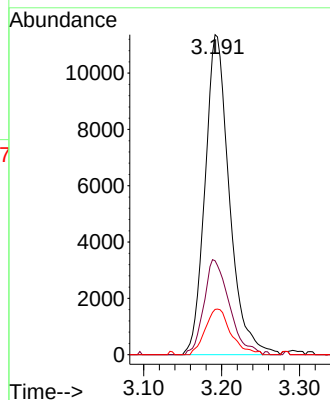
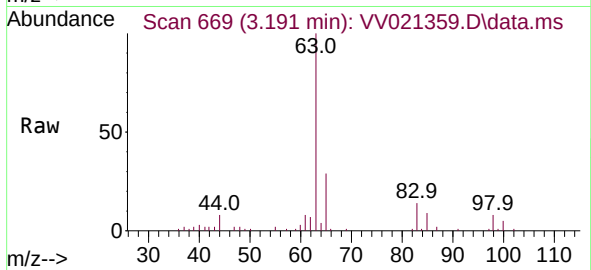
Delta R.T. -0.000 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion:	63	Resp:	24638
Ion	Ratio	Lower	Upper
63	100		
65	29.4	22.3	41.5
83	14.1	9.7	17.9

Instrument :
MSVOA_V
ClientSampleId :



#25

Chloroform

Concen: 0.16 ug/L

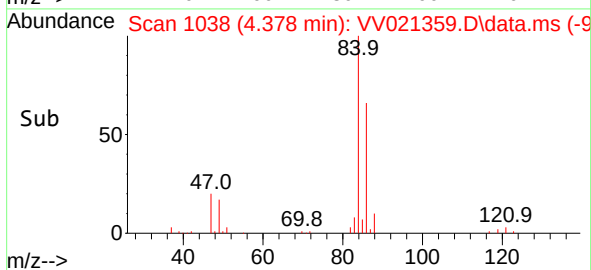
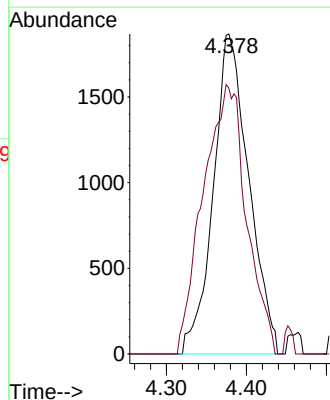
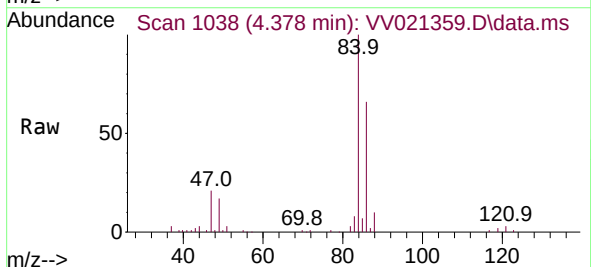
RT: 4.378 min Scan# 1038

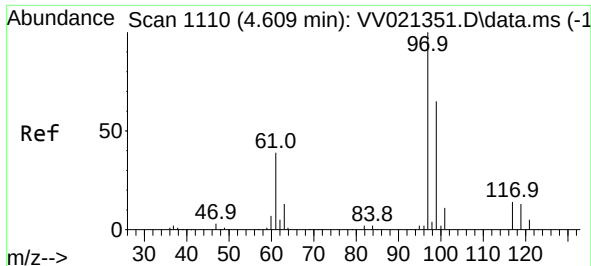
Delta R.T. -0.000 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion:	83	Resp:	5749
Ion	Ratio	Lower	Upper
83	100		
85	83.1	46.4	86.2





#29

1,1,1-Trichloroethane

Concen: 18.61 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.000 min

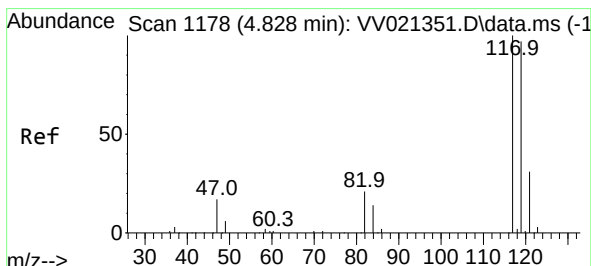
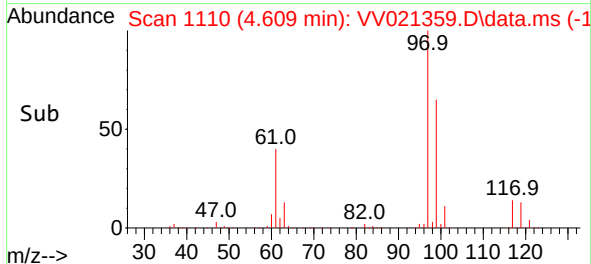
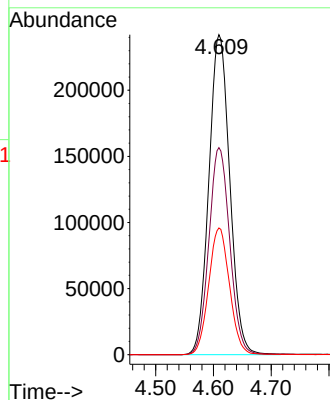
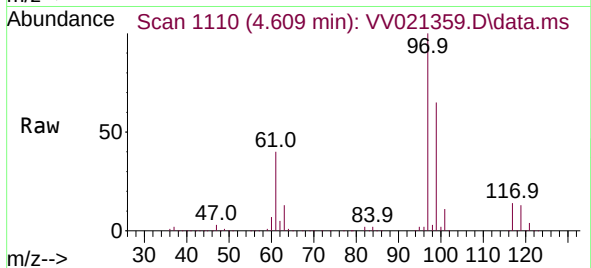
Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion: 97 Resp: 609241

Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	75.8
61	39.4	33.2	49.8

Instrument :
MSVOA_V
ClientSampleId :



#31

Carbon tetrachloride

Concen: 2.83 ug/L

RT: 4.609 min Scan# 1110

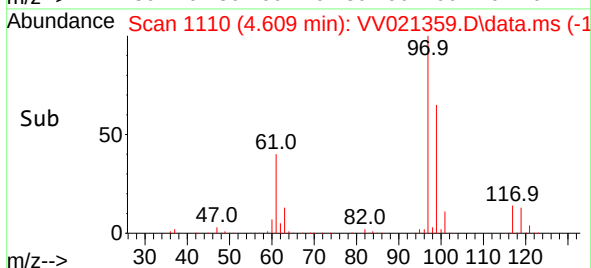
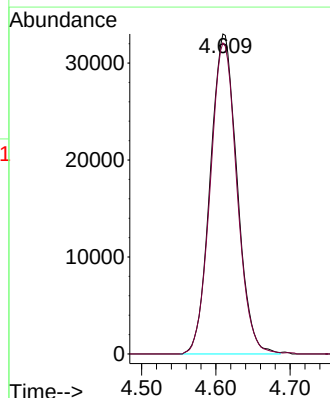
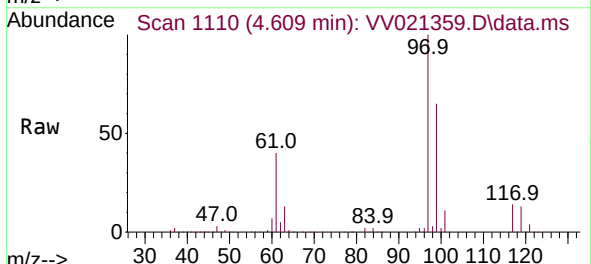
Delta R.T. -0.219 min

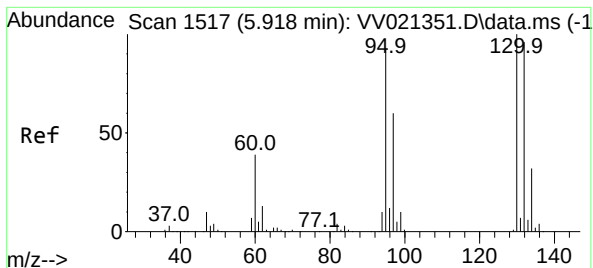
Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion: 117 Resp: 82586

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.2





#34

Trichloroethene

Concen: 0.11 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.003 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion: 95 Resp: 2439

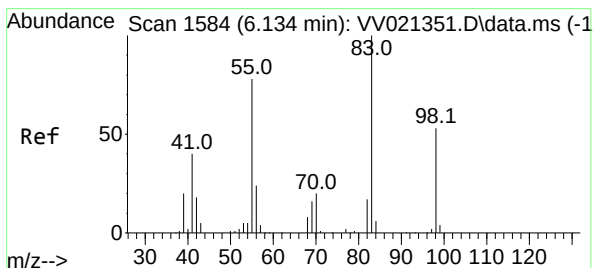
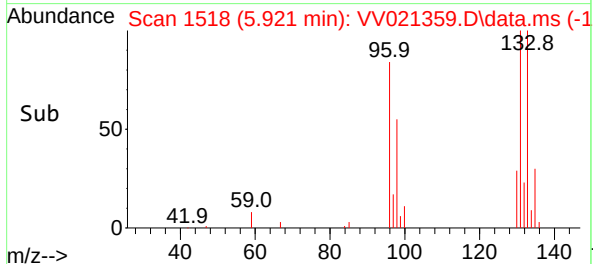
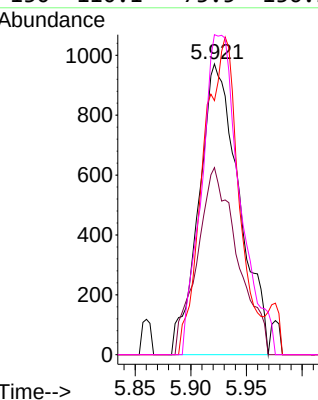
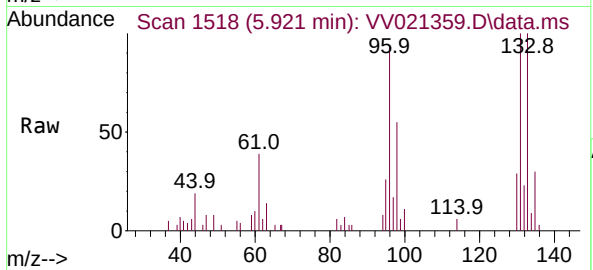
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 87.4 71.5 132.9

130 110.1 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: VV021359.D

Acq: 21 May 2021 15:20

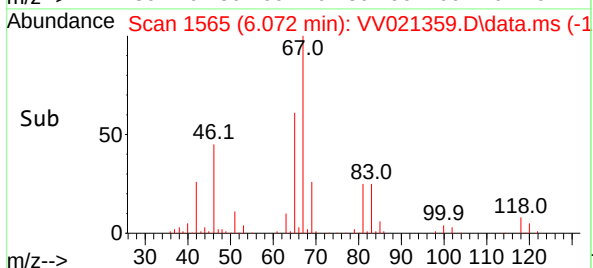
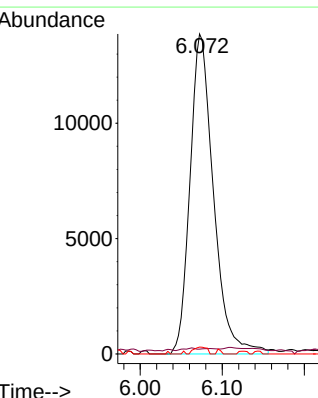
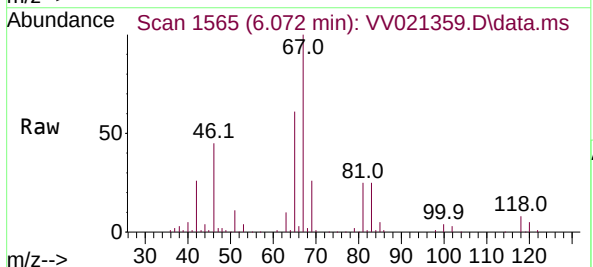
Tgt Ion: 83 Resp: 27586

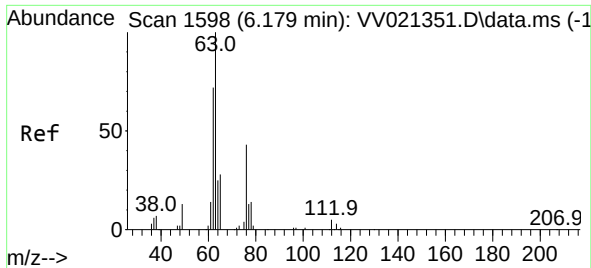
Ion Ratio Lower Upper

83 100

55 0.4 59.1 88.7#

98 1.2 40.1 60.1#

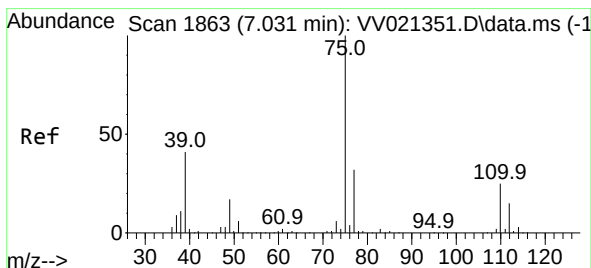
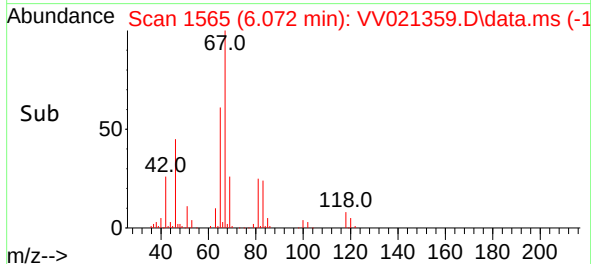
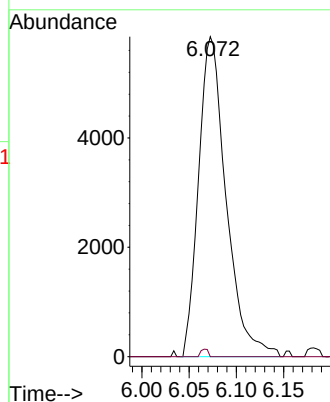
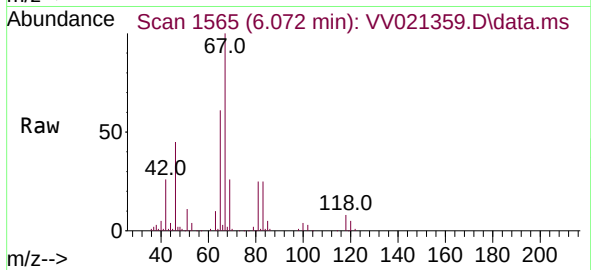




#37
1,2-Dichloropropane
Concen: 0.64 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

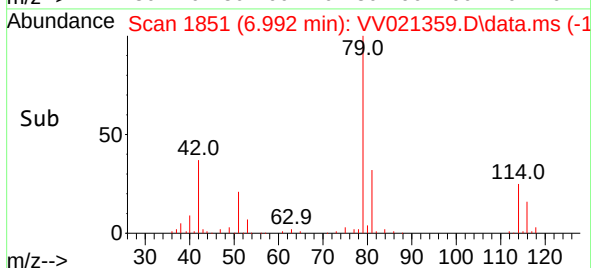
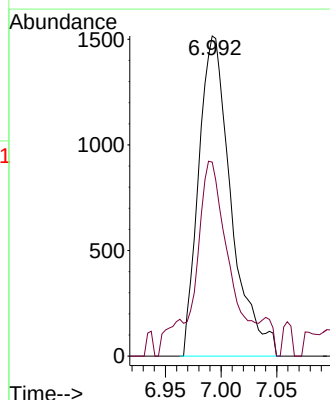
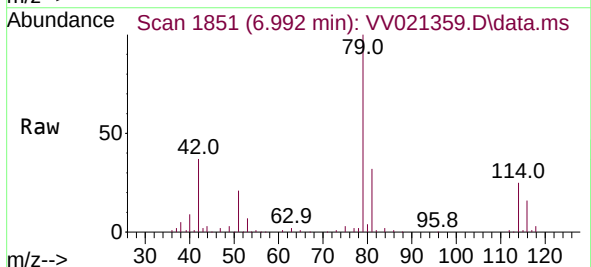
Instrument :
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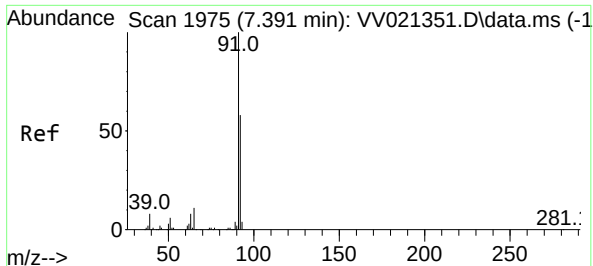
Tgt Ion: 63 Resp: 11874
Ion Ratio Lower Upper
63 100
112 0.6 3.8 5.8#



#39
cis-1,3-Dichloropropene
Concen: 0.10 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.039 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

Tgt Ion: 75 Resp: 3070
Ion Ratio Lower Upper
75 100
77 60.6 22.5 41.9#

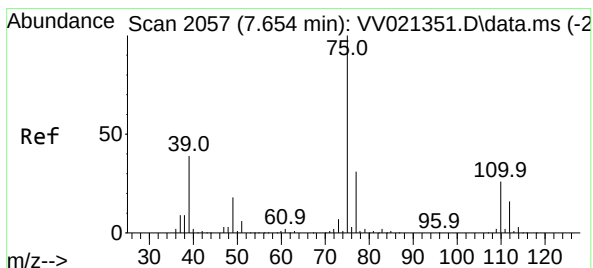
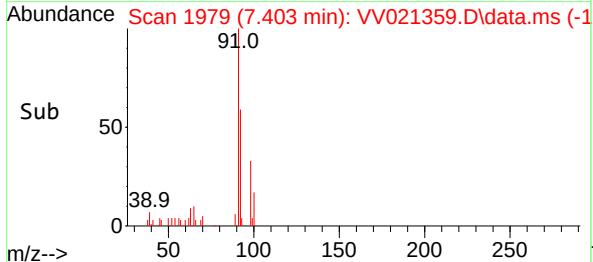
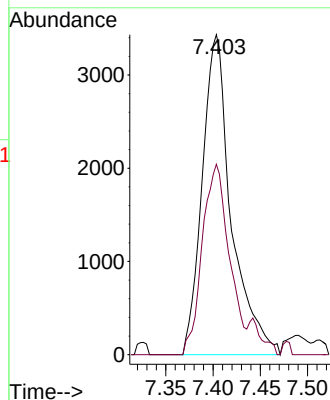
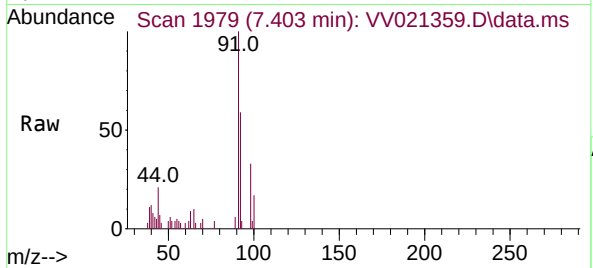




#42
Toluene
Concen: 0.09 ug/L
RT: 7.403 min Scan# 1979
Delta R.T. 0.013 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

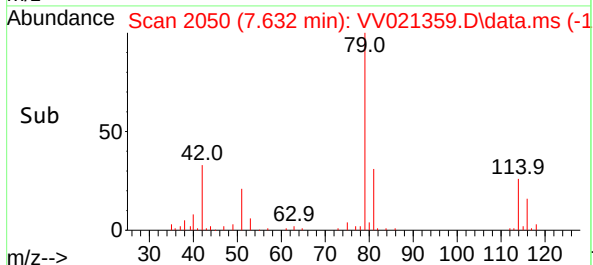
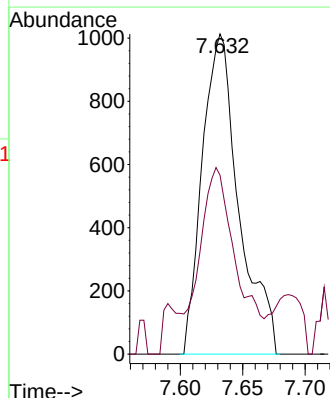
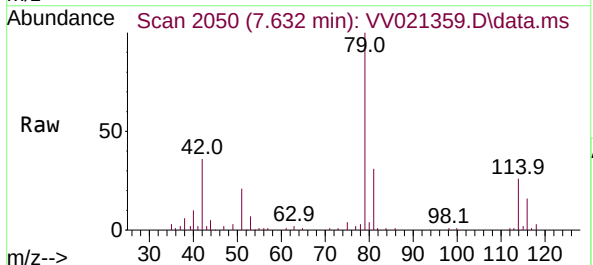
Instrument :
MSVOA_V
ClientSampled :

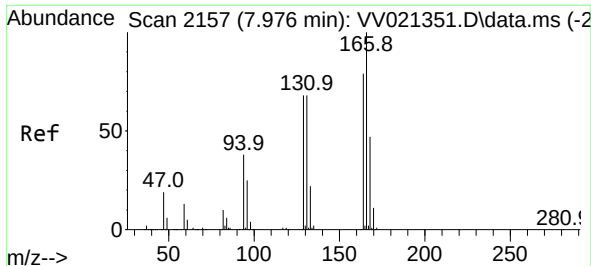
Tgt Ion: 91 Resp: 7328
Ion Ratio Lower Upper
91 100
92 59.5 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.08 ug/L
RT: 7.632 min Scan# 2050
Delta R.T. -0.023 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

Tgt Ion: 75 Resp: 2068
Ion Ratio Lower Upper
75 100
77 55.9 22.9 42.5#





#47

Tetrachloroethene

Concen: 6.77 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.000 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:164 Resp: 125733

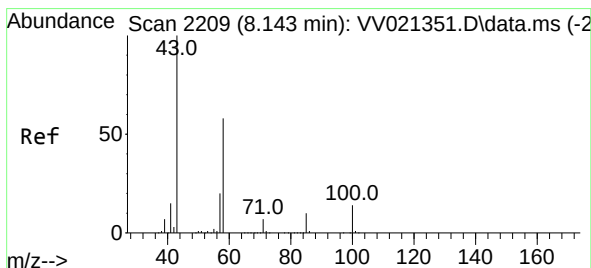
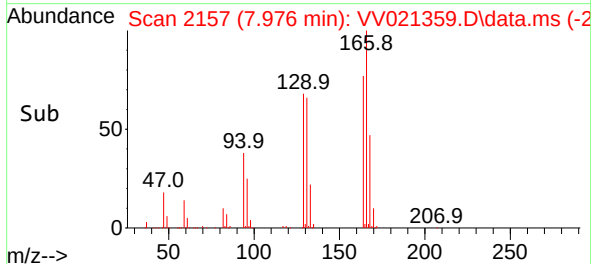
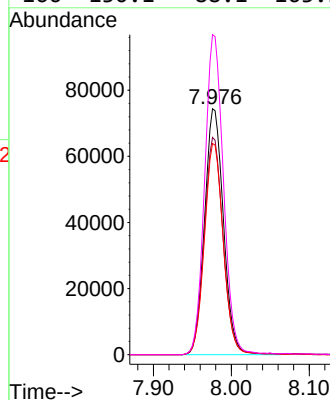
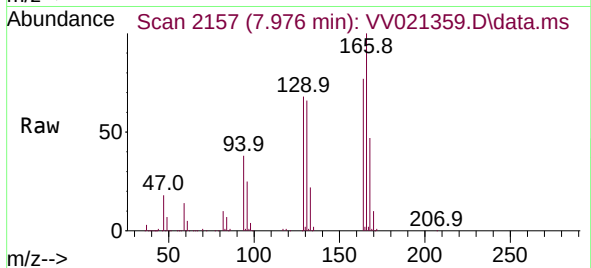
Ion Ratio Lower Upper

164 100

129 88.3 65.0 120.6

131 85.9 61.8 114.8

166 130.1 88.1 163.5



#48

2-Hexanone

Concen: 5.07 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VV021359.D

Acq: 21 May 2021 15:20

Tgt Ion: 43 Resp: 42914

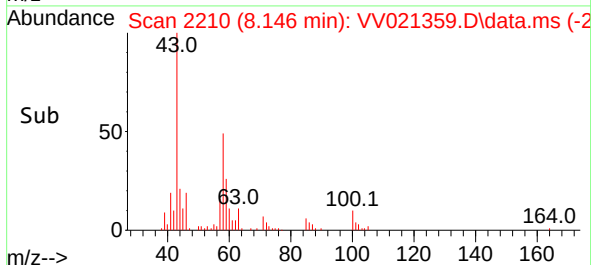
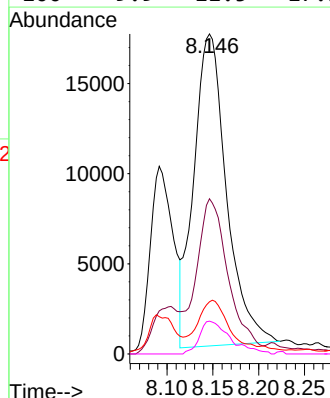
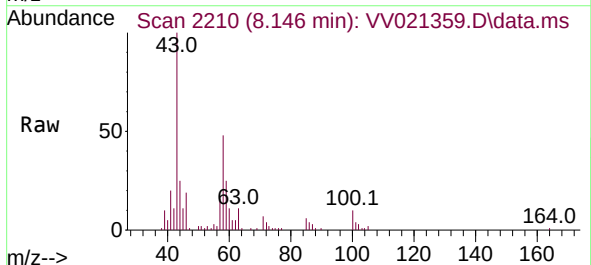
Ion Ratio Lower Upper

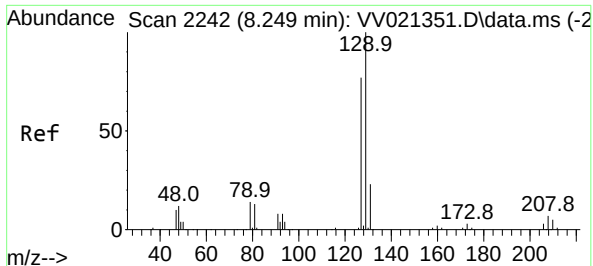
43 100

58 46.4 47.8 71.8#

57 16.1 16.6 24.8#

100 9.9 11.5 17.3#





#49

Dibromochloromethane

Concen: 5.66 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV021359.D

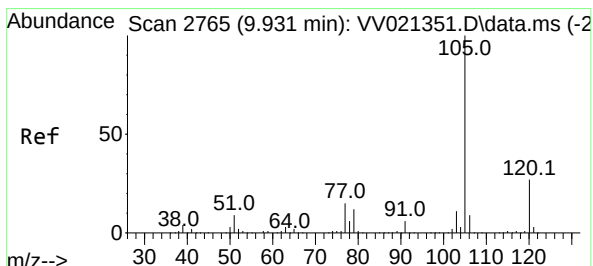
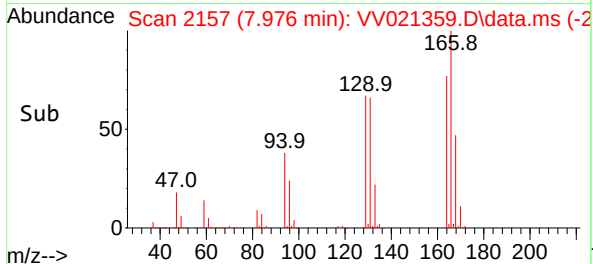
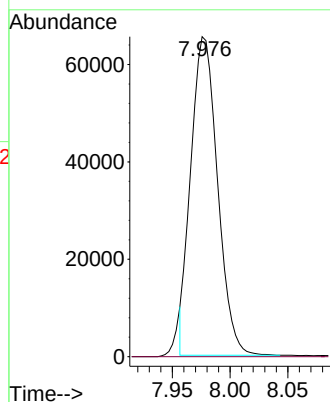
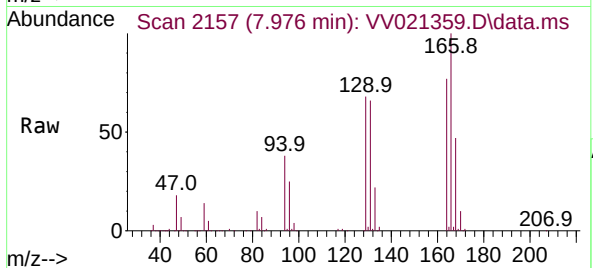
Acq: 21 May 2021 15:20

Tgt Ion:129 Resp: 105047

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: VV021359.D

Acq: 21 May 2021 15:20

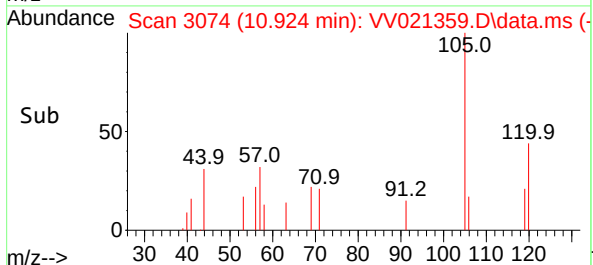
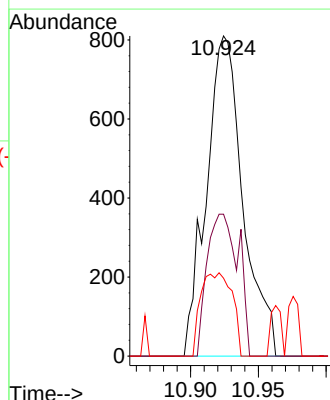
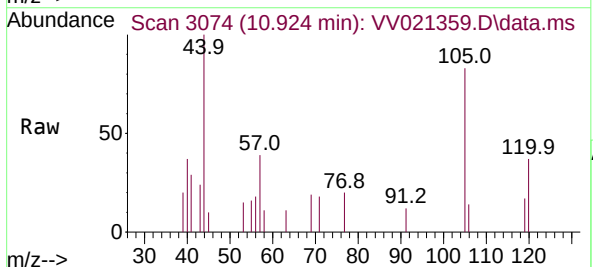
Tgt Ion:105 Resp: 1522

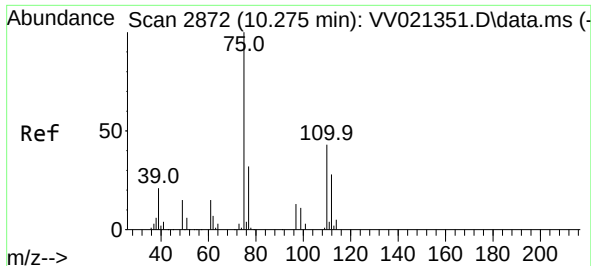
Ion Ratio Lower Upper

105 100

120 37.8 21.7 32.5#

77 22.2 12.3 18.5#

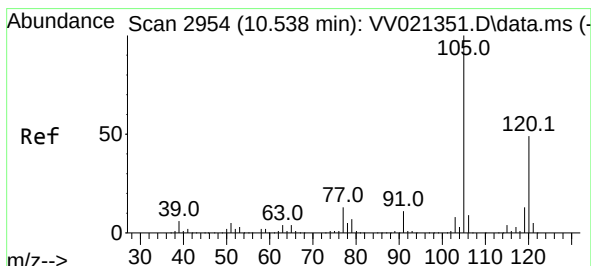
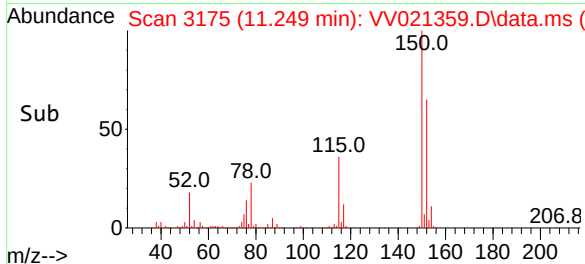
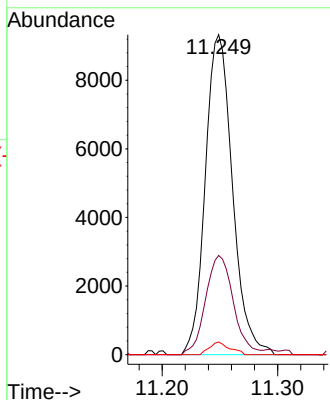
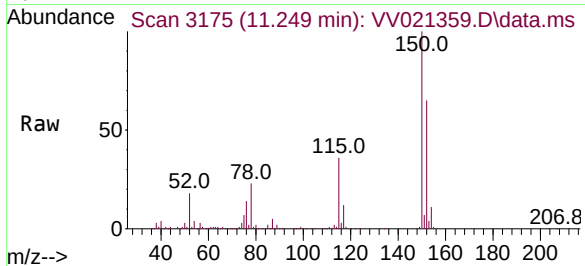




#61
1,2,3-Trichloropropane
Concen: 1.41 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

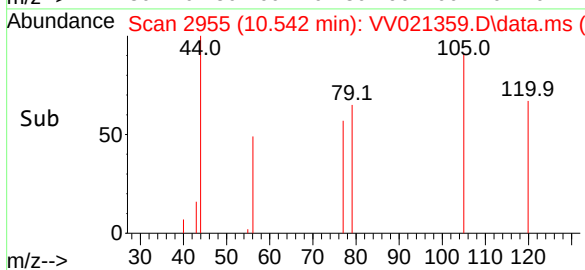
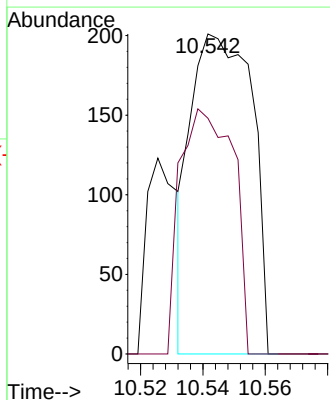
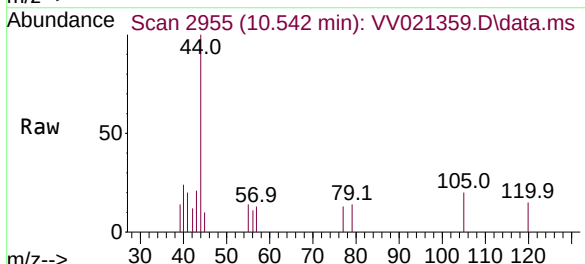
Instrument :
MSVOA_V
ClientSampled :

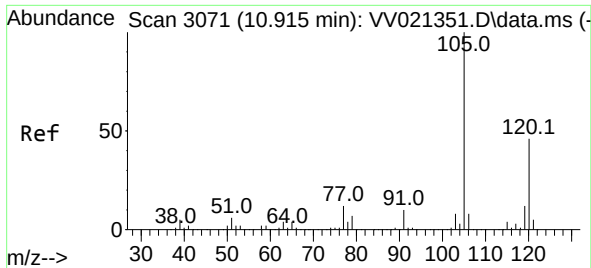
Tgt Ion: 75 Resp: 15235
Ion Ratio Lower Upper
75 100
77 31.7 26.1 39.1
110 2.9 33.2 49.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.00 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

Tgt Ion: 105 Resp: 273
Ion Ratio Lower Upper
105 100
120 67.0 39.4 59.0#

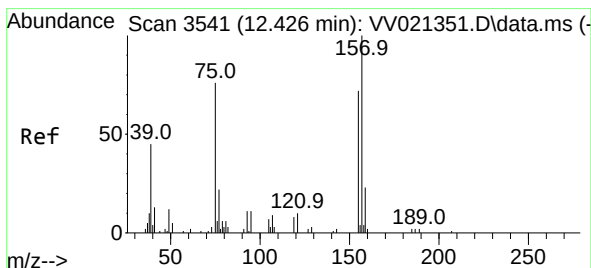
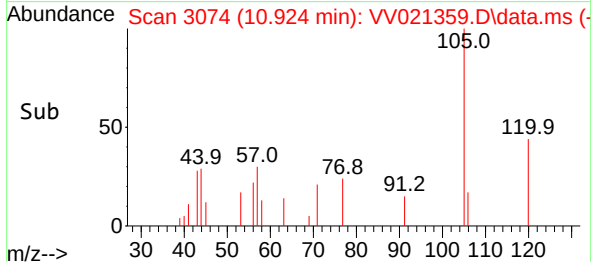
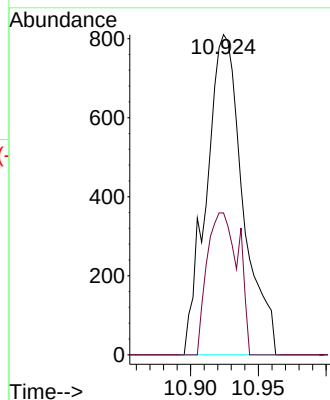
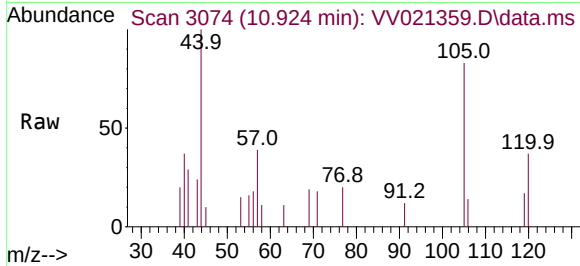




#63
1,2,4-Trimethylbenzene
Concen: 0.02 ug/L
RT: 10.924 min Scan# 3074
Delta R.T. 0.010 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:105 Resp: 1522
Ion Ratio Lower Upper
105 100
120 37.8 36.7 55.1



#68
1,2-Dibromo-3-chloropropane
Concen: 0.09 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.177 min
Lab File: VV021359.D
Acq: 21 May 2021 15:20

Tgt Ion: 75 Resp: 199
Ion Ratio Lower Upper
75 100
155 0.0 72.8 109.2#
157 0.0 94.7 142.1#

