

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052121\
 Data File : VV021357.D
 Acq On : 21 May 2021 14:31
 Operator : SY/MD
 Sample : M2494-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:39:31 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	276851	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	257623	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	140582	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	88758	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.568	69	74436	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.108	63	120436	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	3.895	46	240275	49.79	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.58%
24) Chloroform-d	4.352	84	180062	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.034	65	89060	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.053	84	381267	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.072	67	118161	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.317	98	354176	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloroprop...	7.625	79	48419	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.088	63	163612	46.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.16%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	64214	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.60%
66) 1,2-Dichlorobenzene-d4	11.622	152	143600	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%
Target Compounds						
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1403	0.09	ug/L #	24
12) 1,1-Dichloroethene	2.117	96	9452	0.62	ug/L #	1
13) Acetone	2.191	43	6241	2.39	ug/L	96
16) Methylene chloride	2.506	84	10937	0.50	ug/L	100
19) 1,1-Dichloroethane	3.195	63	8939	0.27	ug/L	94
25) Chloroform	4.378	83	21994	0.64	ug/L	100
29) 1,1,1-Trichloroethane	4.612	97	59361	1.88	ug/L	97
31) Carbon tetrachloride	4.609	117	8119	0.29	ug/L	99
35) Methylcyclohexane	6.072	83	28662	0.86	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	11993	0.67	ug/L #	85
38) Bromodichloromethane	6.516	83	39823	1.63	ug/L	98
39) cis-1,3-Dichloropropene	6.989	75	3166	0.11	ug/L #	63
42) Toluene	7.397	91	7837	0.10	ug/L	94
47) Tetrachloroethene	7.979	164	41632	2.32	ug/L	97
48) 2-Hexanone	8.143	43	40568	4.96	ug/L #	84
49) Dibromochloromethane	8.246	129	69691	3.89	ug/L	100
59) Bromoform	9.731	173	23340	2.21	ug/L	98
60) Isopropylbenzene	10.921	105	1542	0.02	ug/L #	72
61) 1,2,3-Trichloropropane	11.246	75	14597	1.40	ug/L #	65

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

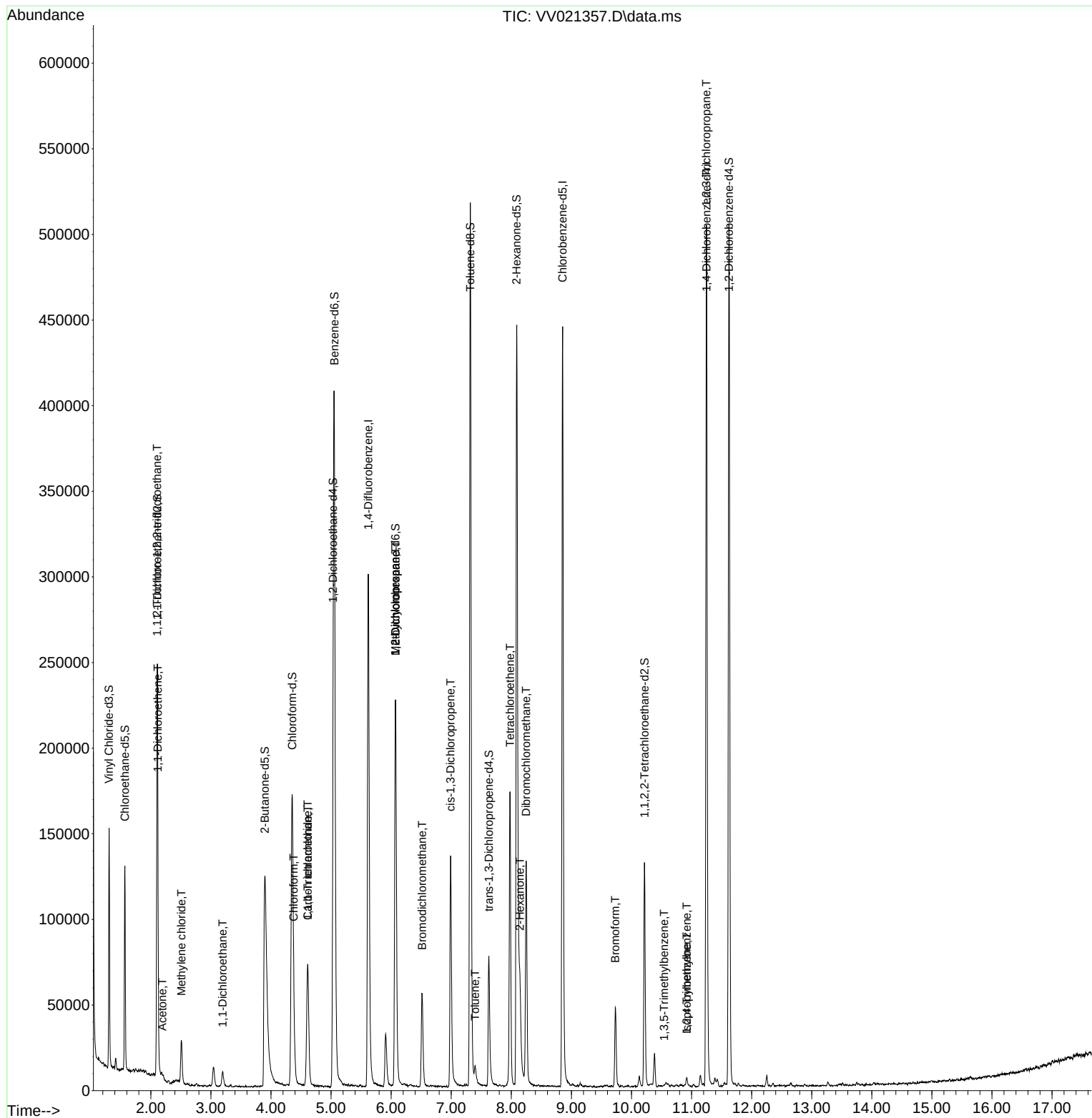
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	10.545	105	698	0.01	ug/L	95
63) 1,2,4-Trimethylbenzene	10.921	105	1542	0.02	ug/L	95

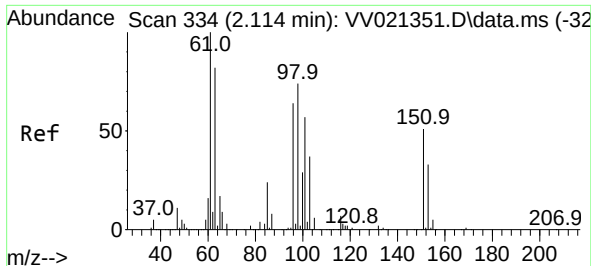
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.09 ug/L

RT: 2.105 min Scan# 331

Delta R.T. -0.010 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

Instrument :

MSVOA_V

ClientSampleId :

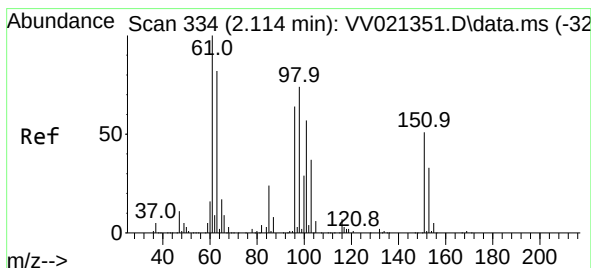
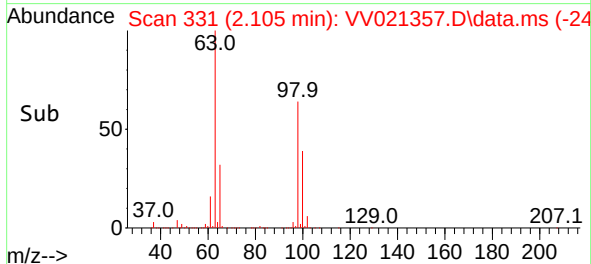
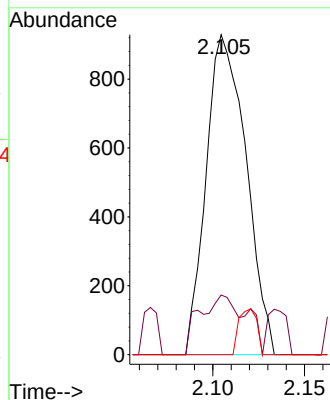
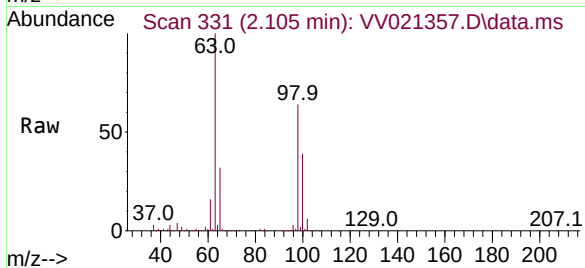
Tgt Ion:101 Resp: 1403

Ion Ratio Lower Upper

101 100

85 11.7 33.0 49.6#

151 0.0 64.2 96.2#



#12

1,1-Dichloroethene

Concen: 0.62 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

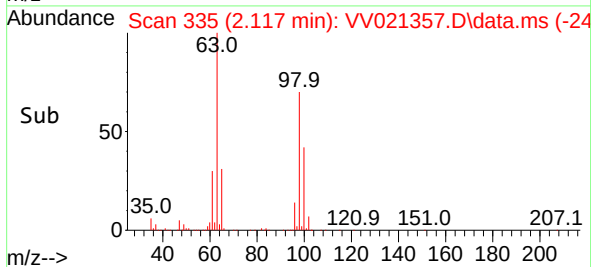
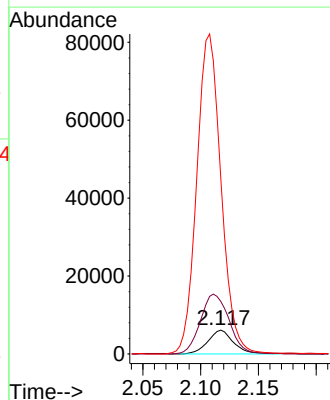
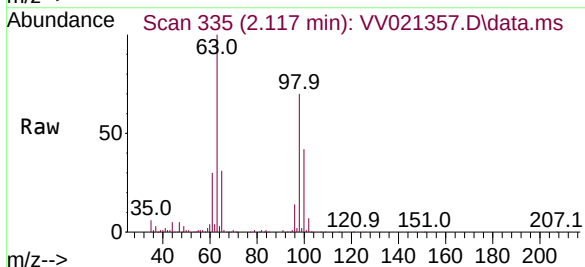
Tgt Ion: 96 Resp: 9452

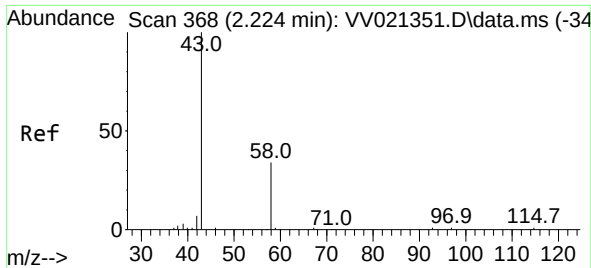
Ion Ratio Lower Upper

96 100

61 219.7 109.8 204.0#

63 732.4 71.3 132.3#

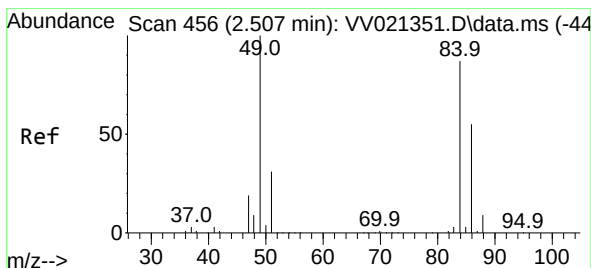
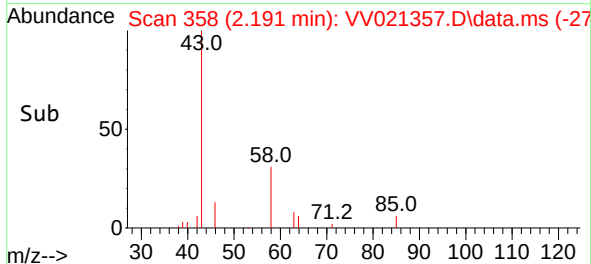
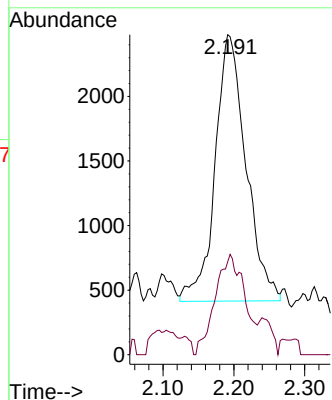
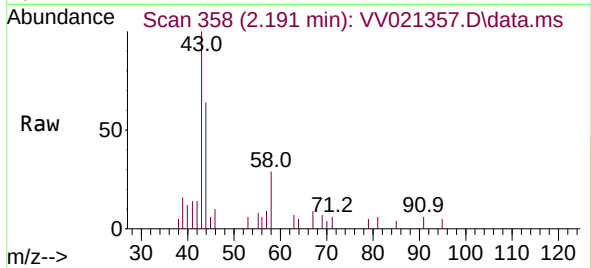




#13
Acetone
Concen: 2.39 ug/L
RT: 2.191 min Scan# 358
Delta R.T. -0.032 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

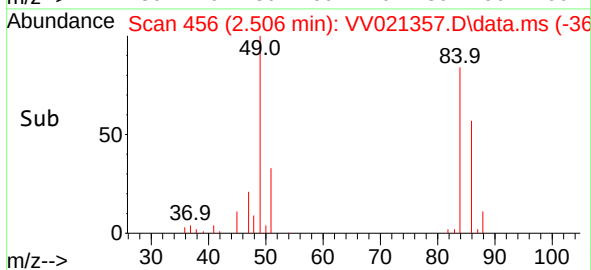
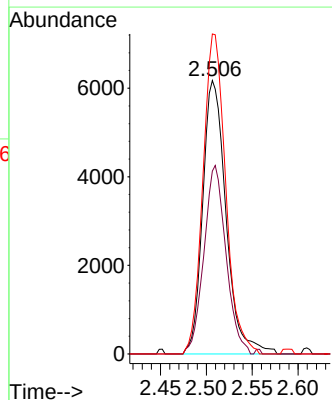
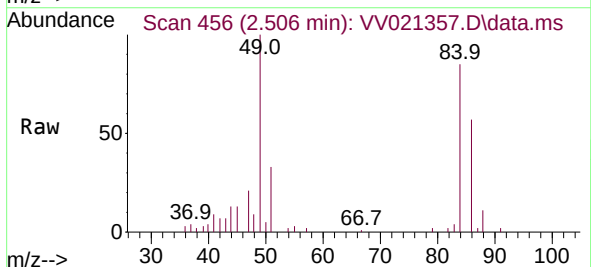
Instrument :
MSVOA_V
ClientSampled :

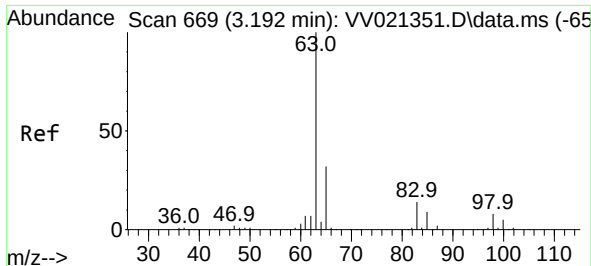
Tgt Ion: 43 Resp: 6241
Ion Ratio Lower Upper
43 100
58 36.2 0.0 67.4



#16
Methylene chloride
Concen: 0.50 ug/L
RT: 2.506 min Scan# 456
Delta R.T. -0.000 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

Tgt Ion: 84 Resp: 10937
Ion Ratio Lower Upper
84 100
86 66.9 47.2 87.6
49 117.0 81.9 152.1





#19

1,1-Dichloroethane

Concen: 0.27 ug/L

RT: 3.195 min Scan# 670

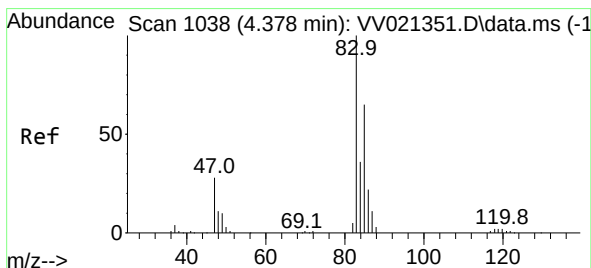
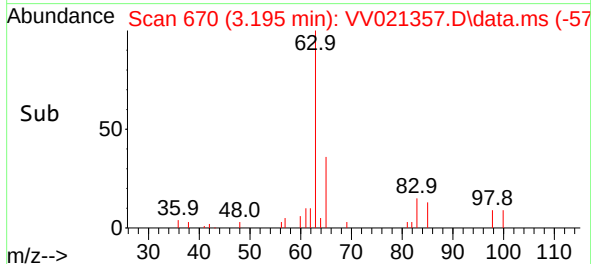
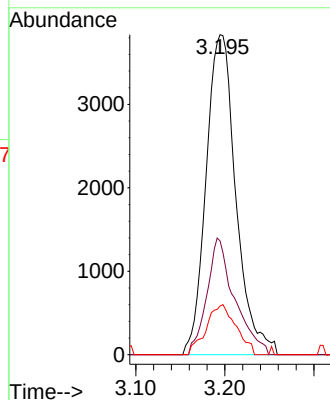
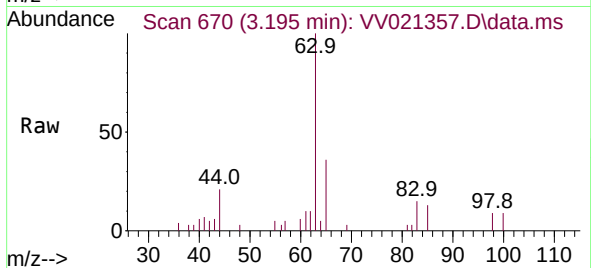
Delta R.T. 0.003 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

Tgt Ion:	63	Resp:	8939
Ion	Ratio	Lower	Upper
63	100		
65	35.6	22.3	41.5
83	15.2	9.7	17.9

Instrument :
MSVOA_V
ClientSampleId :



#25

Chloroform

Concen: 0.64 ug/L

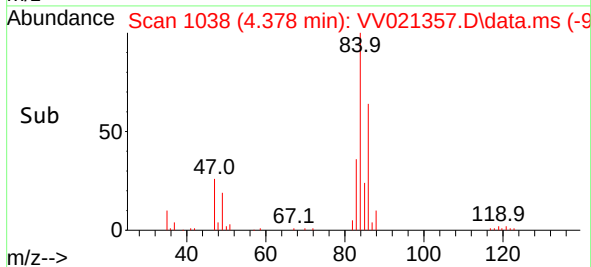
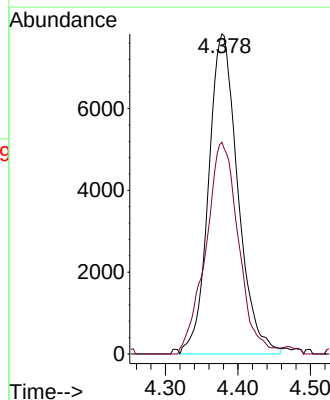
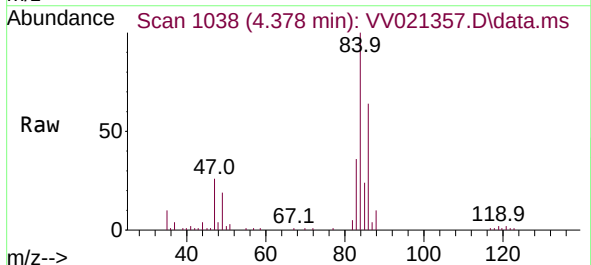
RT: 4.378 min Scan# 1038

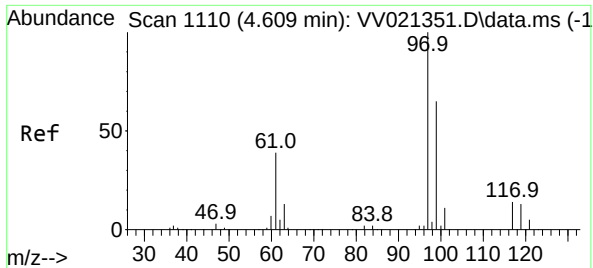
Delta R.T. -0.000 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

Tgt Ion:	83	Resp:	21994
Ion	Ratio	Lower	Upper
83	100		
85	66.1	46.4	86.2





#29

1,1,1-Trichloroethane

Concen: 1.88 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.003 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

Tgt Ion: 97 Resp: 59361

Ion Ratio Lower Upper

97 100

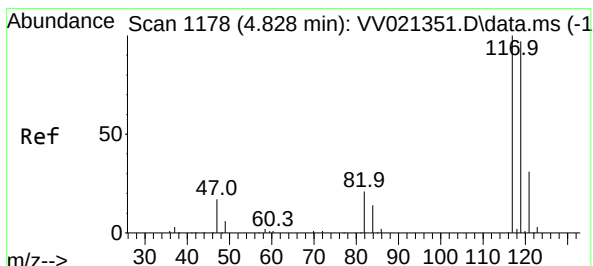
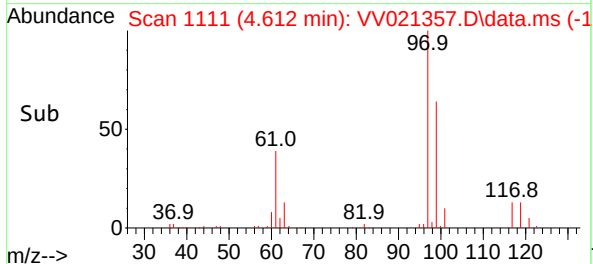
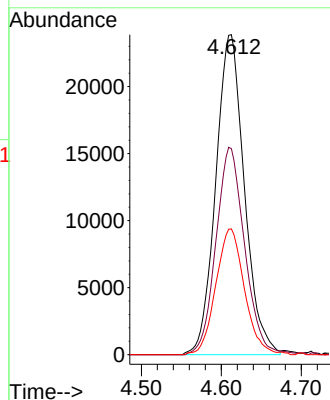
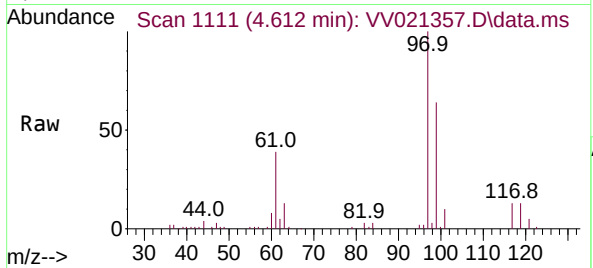
99 65.0 50.6 75.8

61 39.5 33.2 49.8

Instrument :

MSVOA_V

ClientSampled :



#31

Carbon tetrachloride

Concen: 0.29 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.219 min

Lab File: VV021357.D

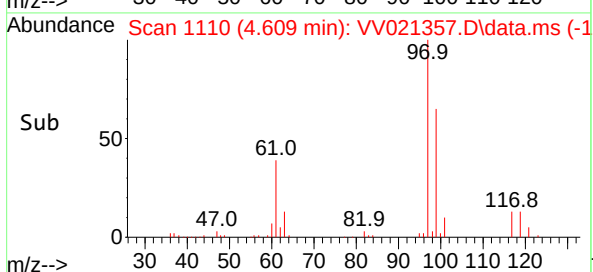
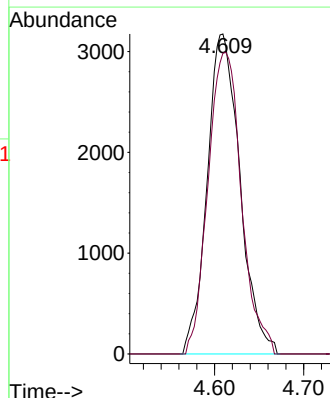
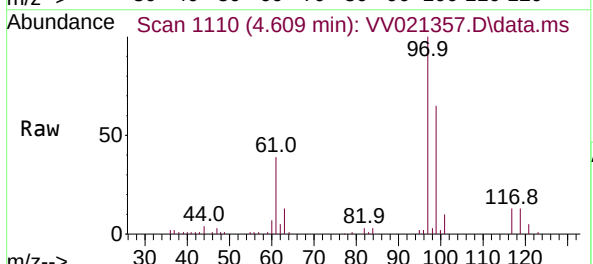
Acq: 21 May 2021 14:31

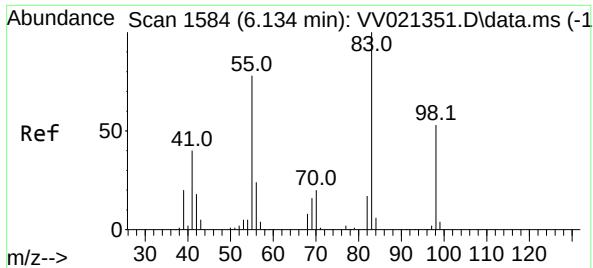
Tgt Ion: 117 Resp: 8119

Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.2

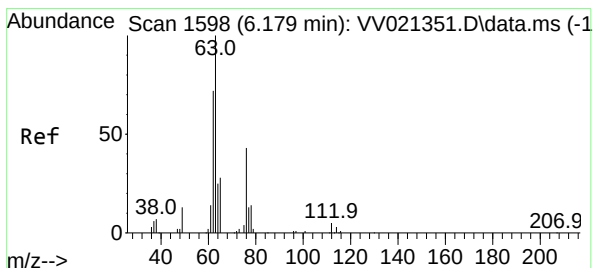
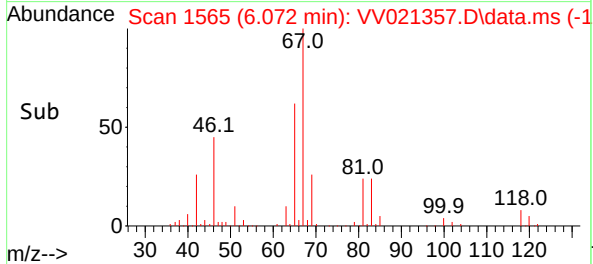
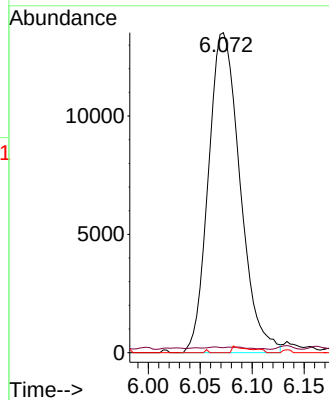
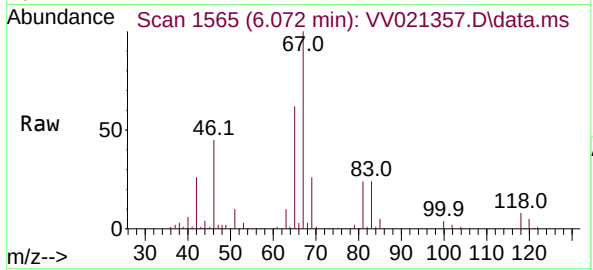




#35
Methylcyclohexane
Concen: 0.86 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

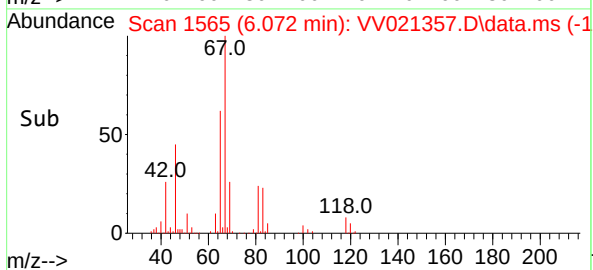
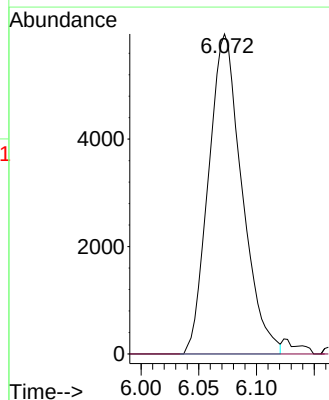
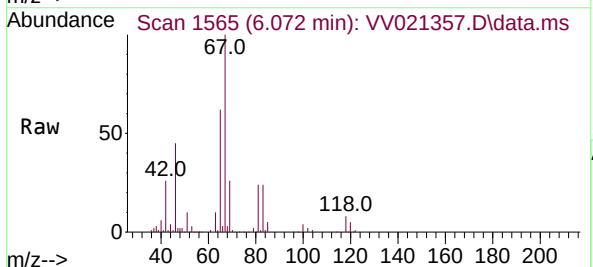
Instrument :
MSVOA_V
ClientSampled :

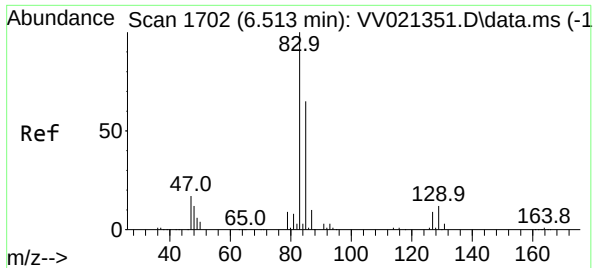
Tgt Ion:	83	Resp:	28662
Ion	Ratio	Lower	Upper
83	100		
55	0.5	59.1	88.7#
98	0.9	40.1	60.1#



#37
1,2-Dichloropropane
Concen: 0.67 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

Tgt Ion:	63	Resp:	11993
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.8#

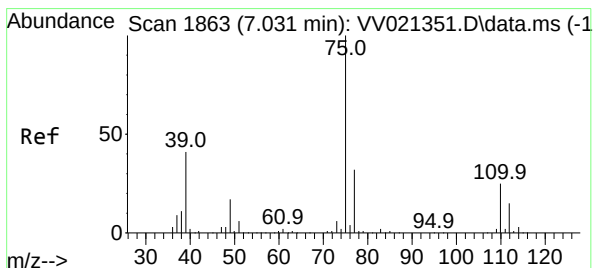
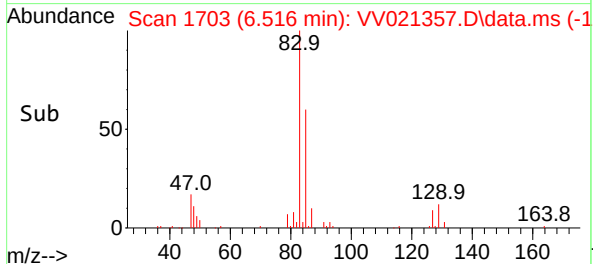
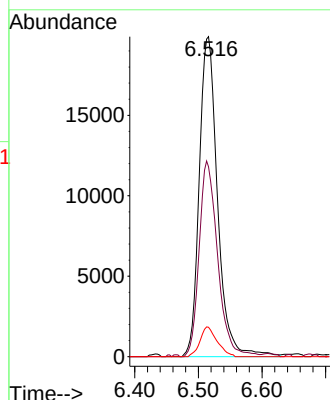
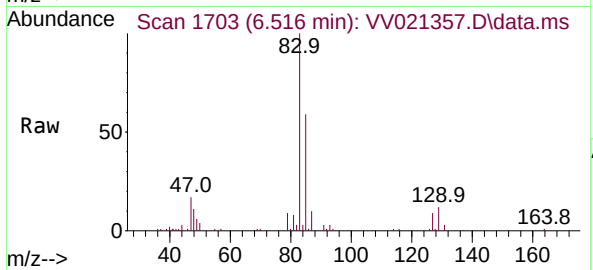




#38
Bromodichloromethane
Concen: 1.63 ug/L
RT: 6.516 min Scan# 1703
Delta R.T. 0.003 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

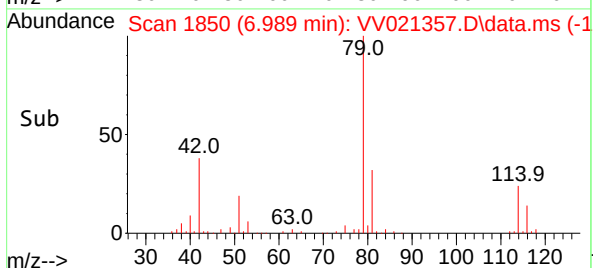
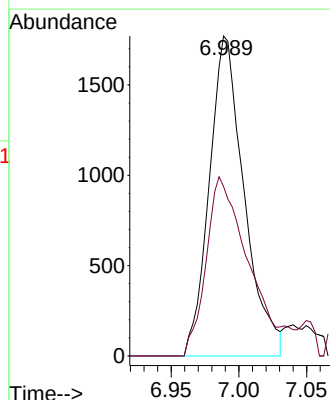
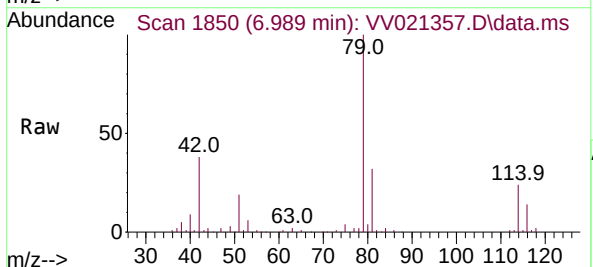
Instrument :
MSVOA_V
ClientSampleId :

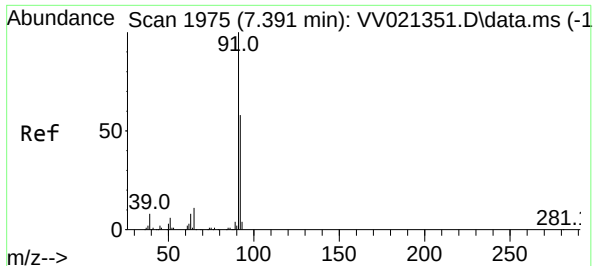
Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	43.0	79.8
127	9.2	7.0	10.6



#39
cis-1,3-Dichloropropene
Concen: 0.11 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	53.0	22.5	41.9





#42

Toluene

Concen: 0.10 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VV021357.D

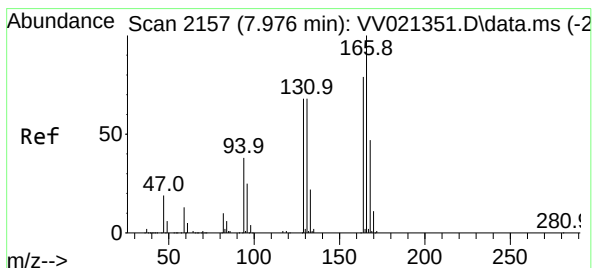
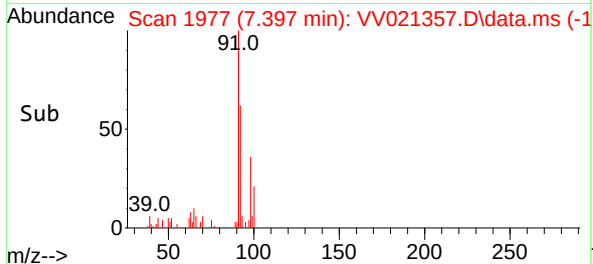
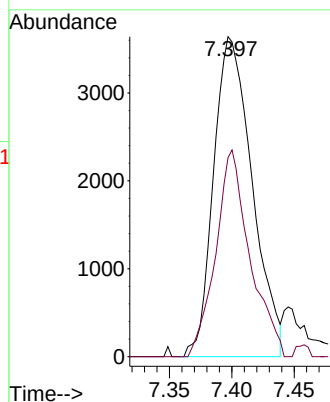
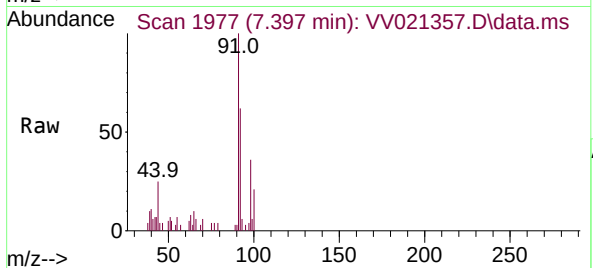
Acq: 21 May 2021 14:31

Tgt Ion: 91 Resp: 7837

Ion Ratio Lower Upper

91 100

92 62.2 40.5 75.1



#47

Tetrachloroethene

Concen: 2.32 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV021357.D

Acq: 21 May 2021 14:31

Tgt Ion: 164 Resp: 41632

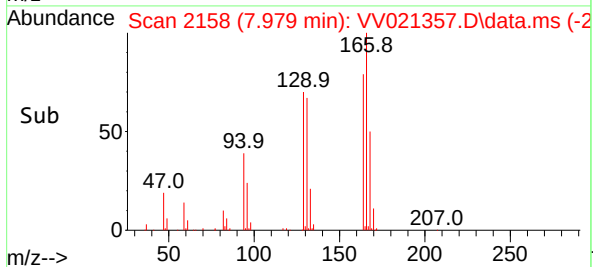
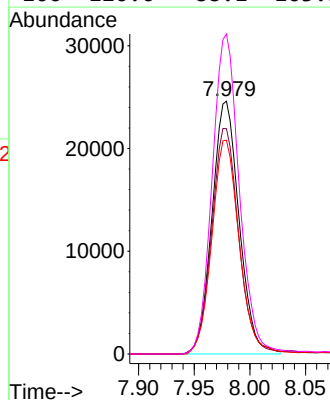
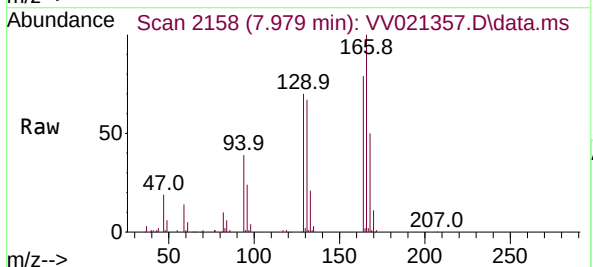
Ion Ratio Lower Upper

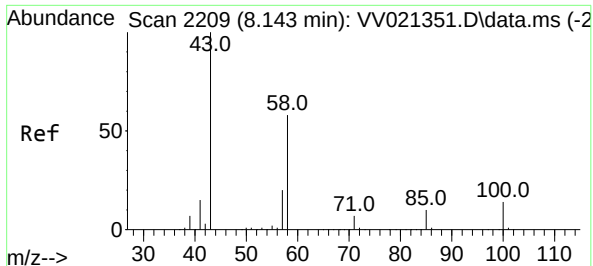
164 100

129 89.1 65.0 120.6

131 84.6 61.8 114.8

166 126.6 88.1 163.5

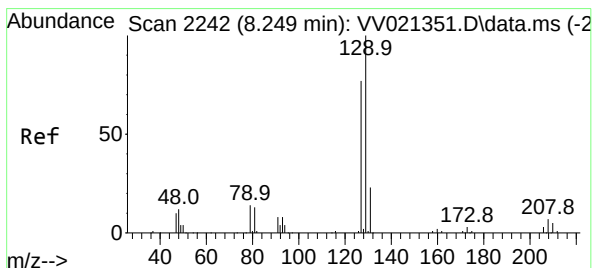
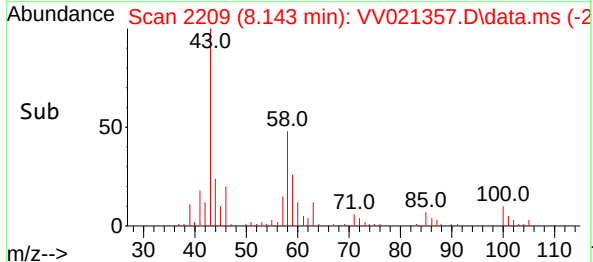
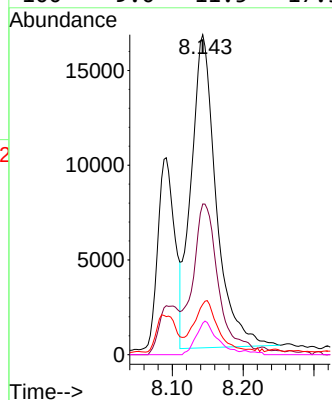
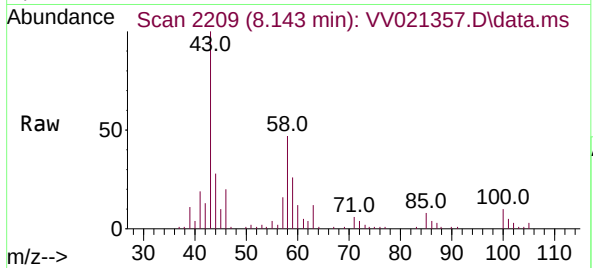




#48
2-Hexanone
Concen: 4.96 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

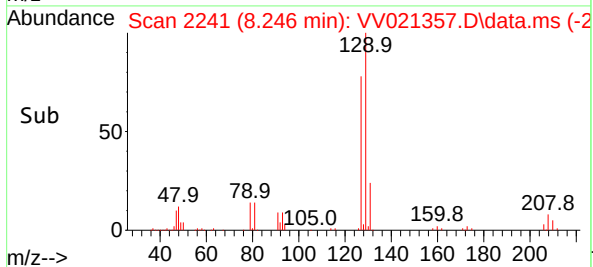
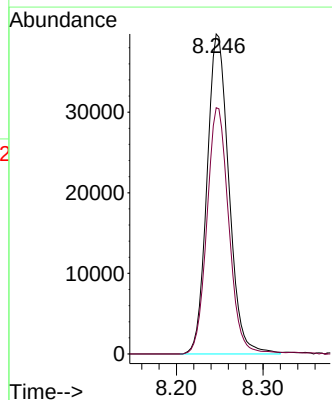
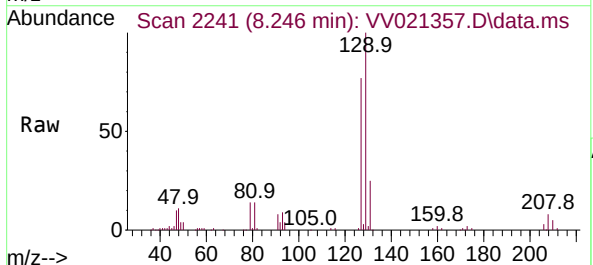
Instrument :
MSVOA_V
ClientSampled :

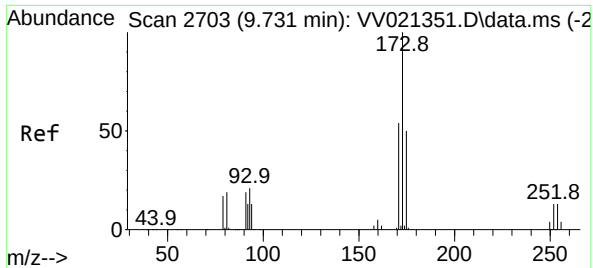
Tgt Ion:	43	Resp:	40568
Ion Ratio	Lower	Upper	
43	100		
58	45.6	47.8	71.8#
57	15.2	16.6	24.8#
100	9.0	11.5	17.3#



#49
Dibromochloromethane
Concen: 3.89 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. -0.003 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

Tgt Ion:	129	Resp:	69691
Ion Ratio	Lower	Upper	
129	100		
127	76.9	53.6	99.6

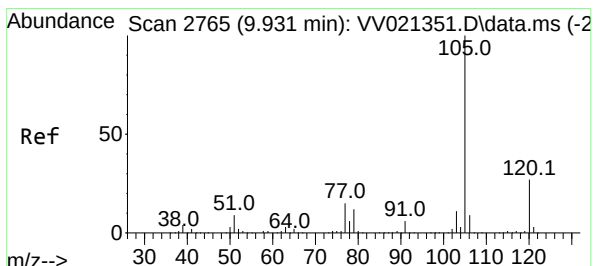
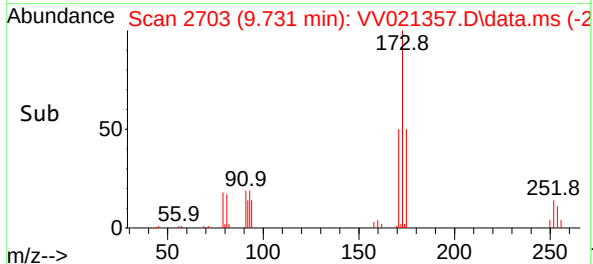
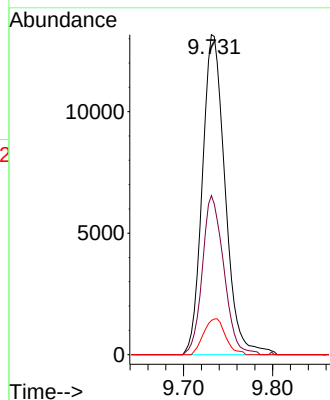
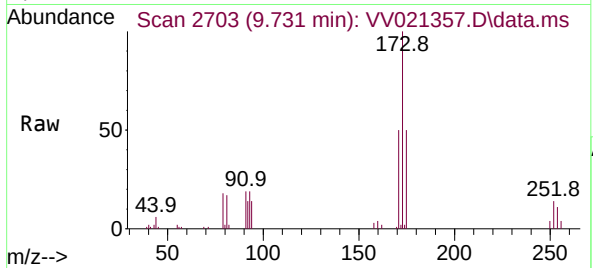




#59
Bromoform
Concen: 2.21 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. -0.000 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

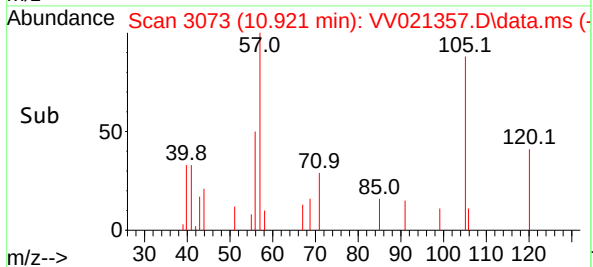
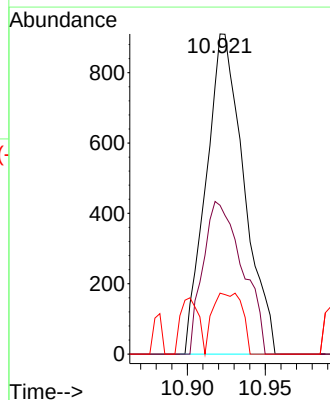
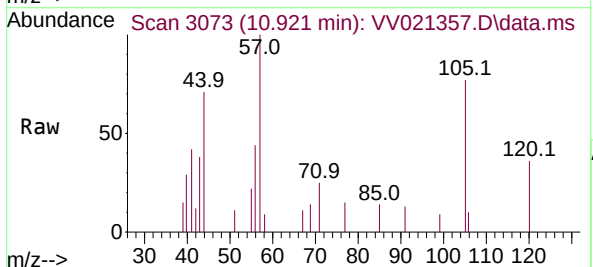
Instrument :
MSVOA_V
ClientSampled :

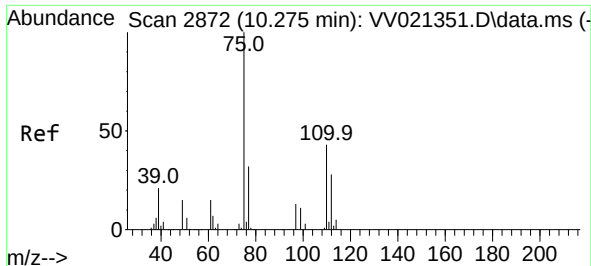
Tgt Ion:173	Resp:	23340
Ion Ratio	Lower	Upper
173	100	
175	46.9	38.9 58.3
254	10.8	8.3 12.5



#60
Isopropylbenzene
Concen: 0.02 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.990 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

Tgt Ion:105	Resp:	1542
Ion Ratio	Lower	Upper
105	100	
120	49.4	21.7 32.5#
77	14.9	12.3 18.5

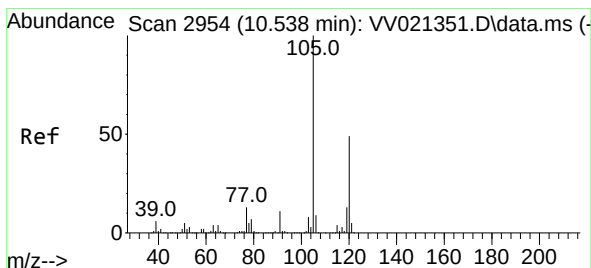
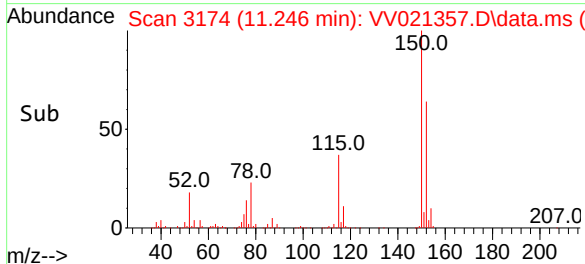
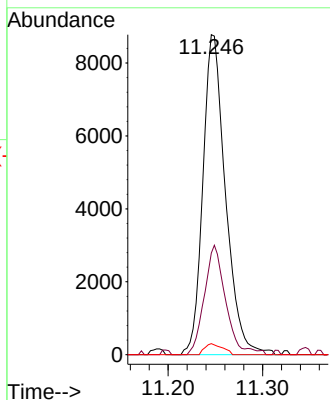
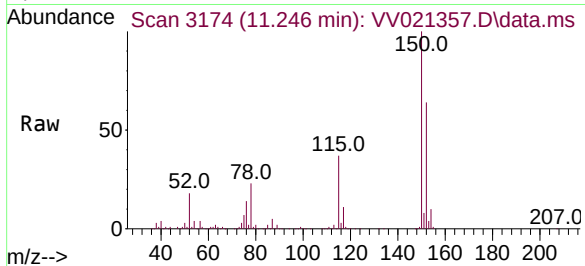




#61
1,2,3-Trichloropropane
Concen: 1.40 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.971 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

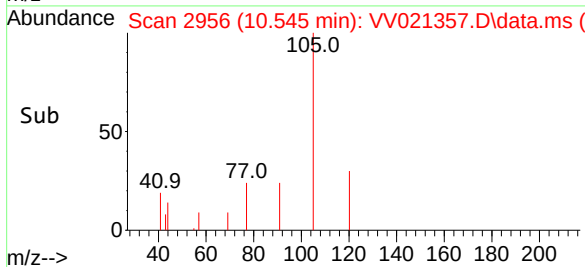
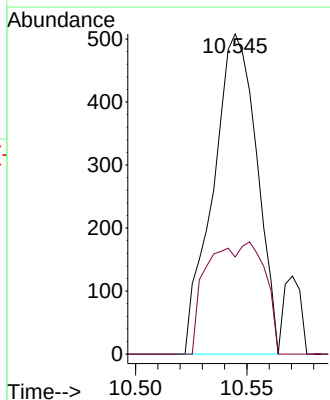
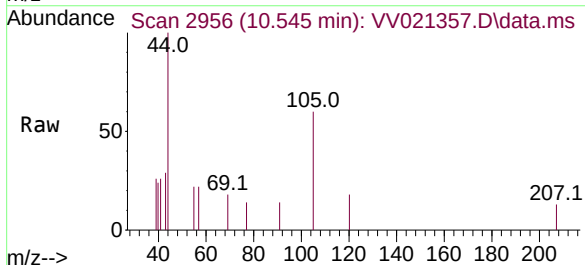
Instrument :
MSVOA_V
ClientSampleId :

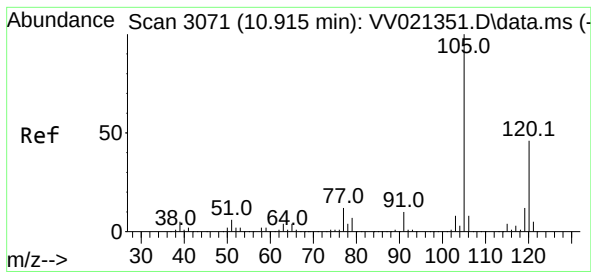
Tgt Ion: 75 Resp: 14597
Ion Ratio Lower Upper
75 100
77 32.3 26.1 39.1
110 2.7 33.2 49.8#



#62
1,3,5-Trimethylbenzene
Concen: 0.01 ug/L
RT: 10.545 min Scan# 2956
Delta R.T. 0.006 min
Lab File: VV021357.D
Acq: 21 May 2021 14:31

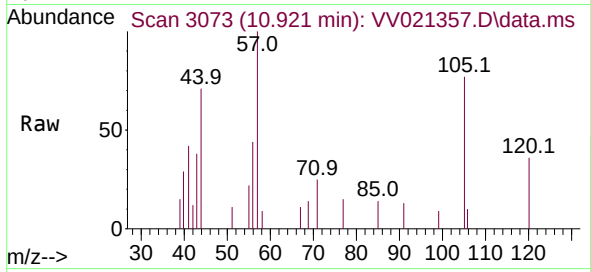
Tgt Ion:105 Resp: 698
Ion Ratio Lower Upper
105 100
120 45.7 39.4 59.0





#63
 1,2,4-Trimethylbenzene
 Concen: 0.02 ug/L
 RT: 10.921 min Scan# 3073
 Delta R.T. 0.006 min
 Lab File: VV021357.D
 Acq: 21 May 2021 14:31

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:105 Resp: 1542
 Ion Ratio Lower Upper
 105 100
 120 49.4 36.7 55.1

