

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052121\
 Data File : VV021367.D
 Acq On : 21 May 2021 18:36
 Operator : SY/MD
 Sample : M2494-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 22 01:40:52 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	277191	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	253851	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	138366	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	78497	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.568	69	65991	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.111	63	215595	7.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	142.40%#
20) 2-Butanone-d5	3.895	46	223078	46.17	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.34%
24) Chloroform-d	4.352	84	167030	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.037	65	80739	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.053	84	344587	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.072	67	108133	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.320	98	319901	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloroprop...	7.628	79	43272	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.088	63	148617	42.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.96%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	60891	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
66) 1,2-Dichlorobenzene-d4	11.625	152	130849	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	1536	0.10	ug/L #	32
12) 1,1-Dichloroethene	2.117	96	236651	15.47	ug/L #	84
19) 1,1-Dichloroethane	3.191	63	127469	3.87	ug/L	99
22) cis-1,2-Dichloroethene	3.921	96	4771	0.23	ug/L	89
25) Chloroform	4.381	83	5883	0.17	ug/L	89
27) 1,2-Dichloroethane	5.149	62	6008	0.32	ug/L #	85
29) 1,1,1-Trichloroethane	4.609	97	111940	3.59	ug/L	97
31) Carbon tetrachloride	4.612	117	15137	0.54	ug/L	99
34) Trichloroethene	5.921	95	6171	0.28	ug/L	95
35) Methylcyclohexane	6.072	83	25649	0.78	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	11141	0.63	ug/L #	85
39) cis-1,3-Dichloropropene	6.995	75	2981	0.11	ug/L #	69
42) Toluene	7.400	91	6367	0.08	ug/L	87
47) Tetrachloroethene	7.976	164	229238	12.96	ug/L	97
48) 2-Hexanone	8.146	43	41662	5.17	ug/L #	86
49) Dibromochloromethane	7.976	129	194950	11.03	ug/L #	11
60) Isopropylbenzene	10.927	105	1026	0.01	ug/L #	80
61) 1,2,3-Trichloropropane	11.249	75	14043	1.37	ug/L #	62
62) 1,3,5-Trimethylbenzene	10.538	105	288	0.00	ug/L #	28

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

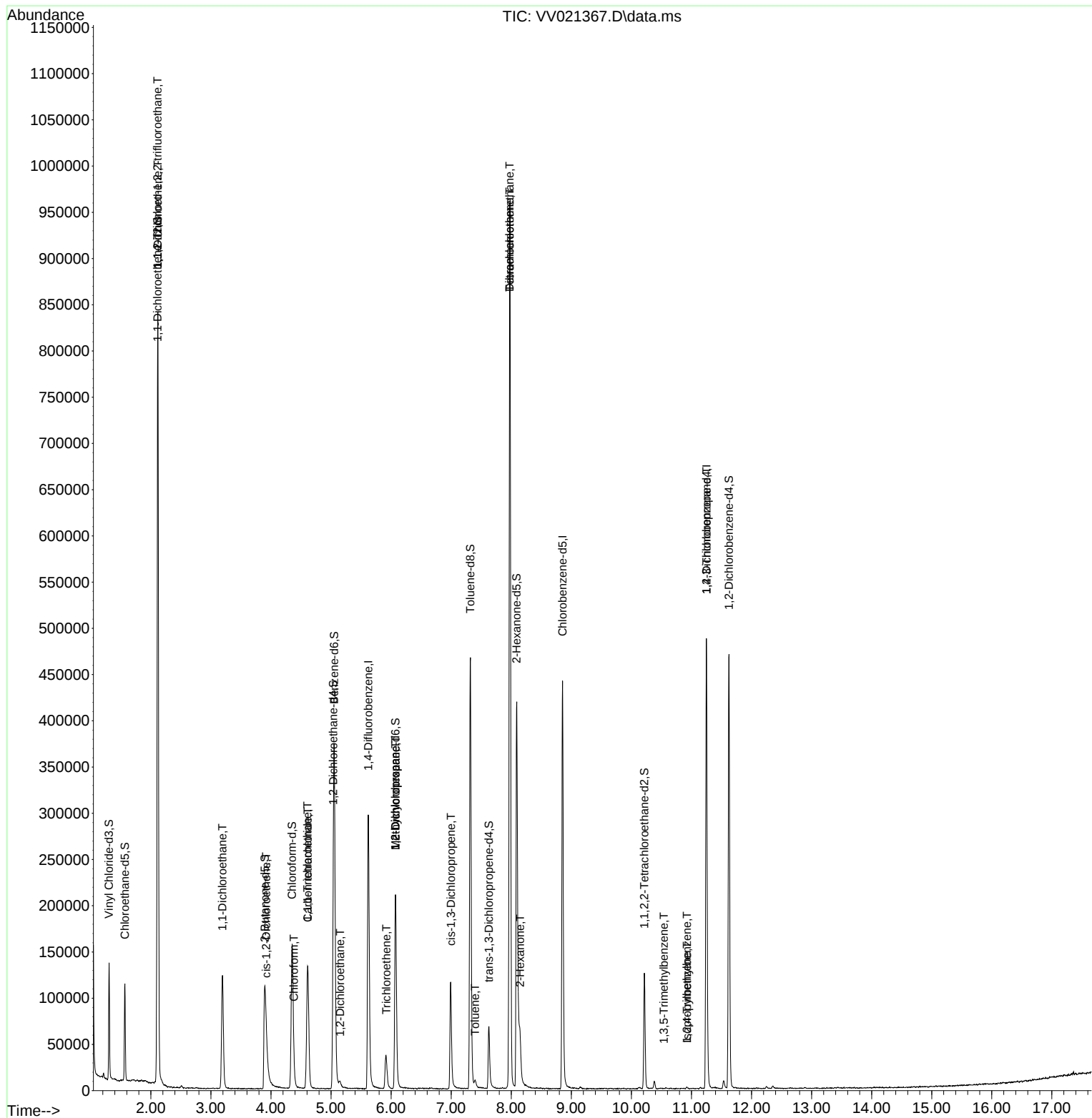
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.927	105	1026	0.01	ug/L #	84

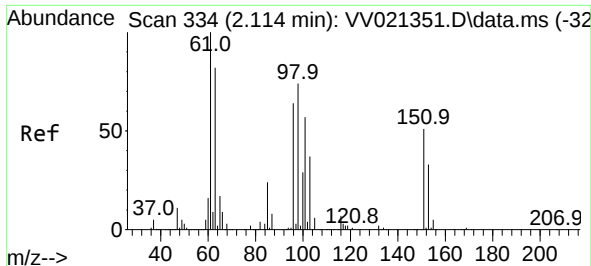
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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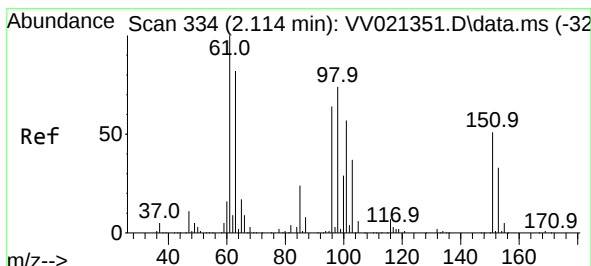
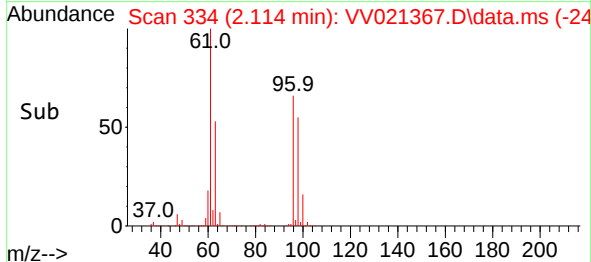
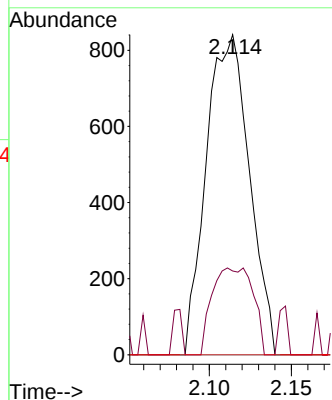
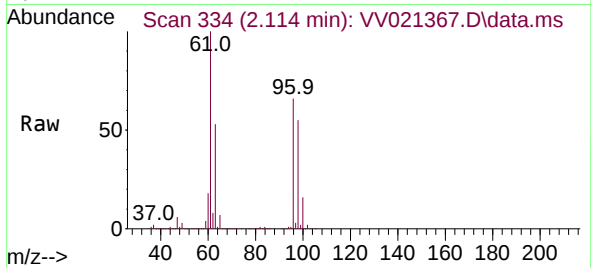




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.10 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV021367.D
 Acq: 21 May 2021 18:36

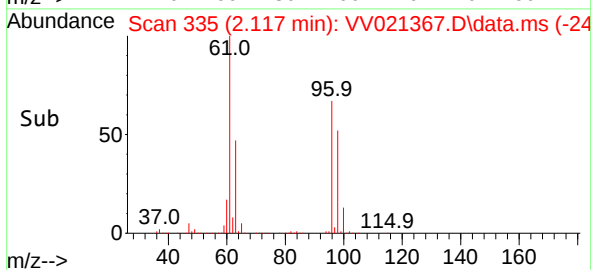
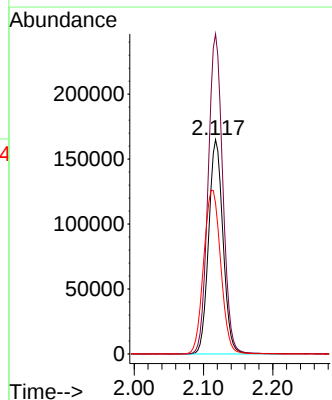
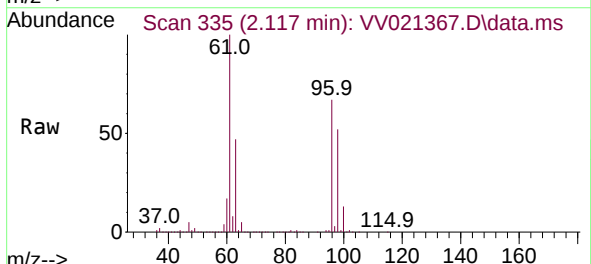
Instrument :
 MSVOA_V
 ClientSampleId :

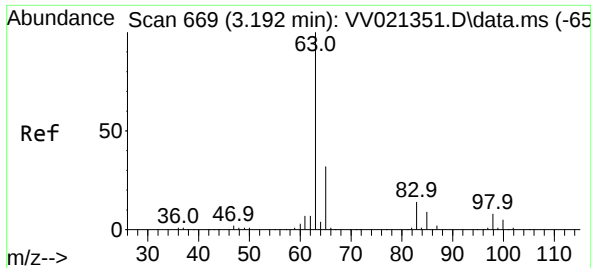
Tgt Ion:101 Resp: 1536
 Ion Ratio Lower Upper
 101 100
 85 25.7 33.0 49.6#
 151 0.0 64.2 96.2#



#12
 1,1-Dichloroethene
 Concen: 15.47 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. 0.003 min
 Lab File: VV021367.D
 Acq: 21 May 2021 18:36

Tgt Ion: 96 Resp: 236651
 Ion Ratio Lower Upper
 96 100
 61 149.3 109.8 204.0
 63 70.3 71.3 132.3#





#19

1,1-Dichloroethane

Concen: 3.87 ug/L

RT: 3.191 min Scan# 669

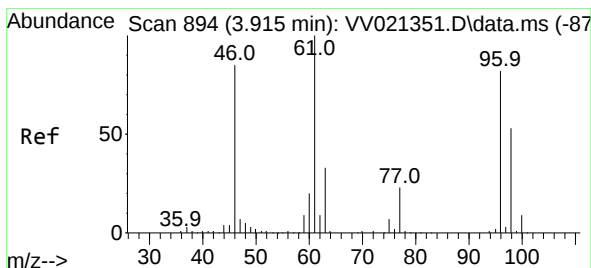
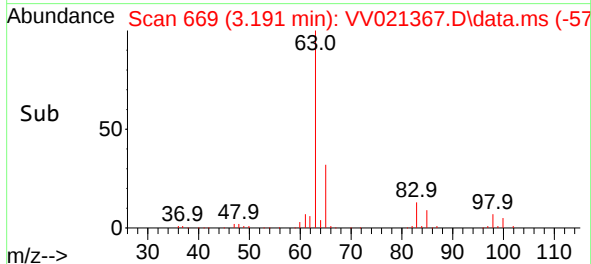
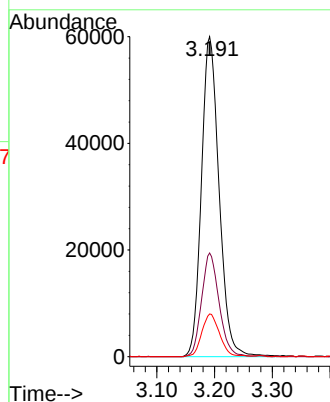
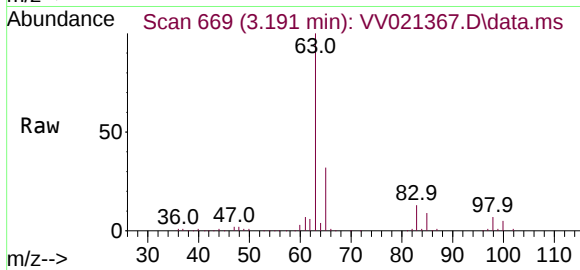
Delta R.T. -0.000 min

Lab File: VV021367.D

Acq: 21 May 2021 18:36

Tgt Ion: 63 Resp: 127469

Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.3	41.5
83	13.4	9.7	17.9



#22

cis-1,2-Dichloroethene

Concen: 0.23 ug/L

RT: 3.921 min Scan# 896

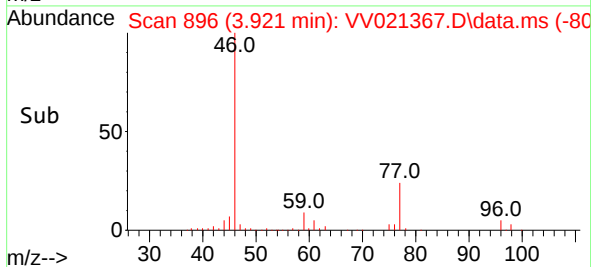
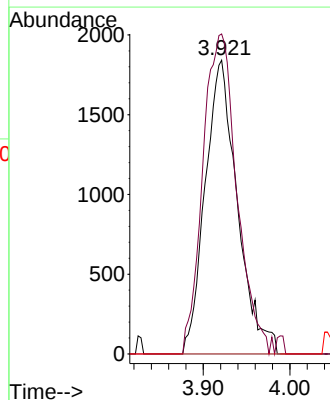
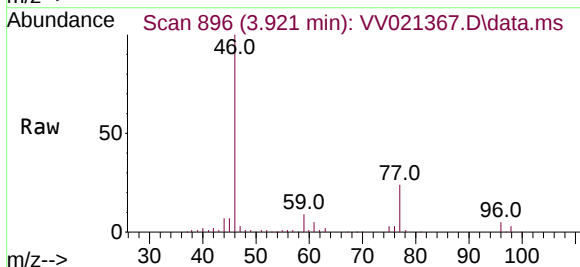
Delta R.T. 0.006 min

Lab File: VV021367.D

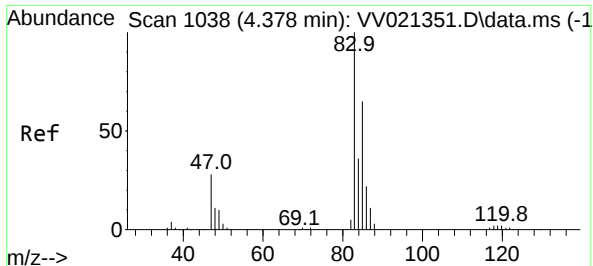
Acq: 21 May 2021 18:36

Tgt Ion: 96 Resp: 4771

Ion	Ratio	Lower	Upper
96	100		
61	108.9	84.6	157.2
68	0.0	0.0	0.0



Instrument :
MSVOA_V
ClientSampleId :



#25

Chloroform

Concen: 0.17 ug/L

RT: 4.381 min Scan# 1039

Delta R.T. 0.003 min

Lab File: VV021367.D

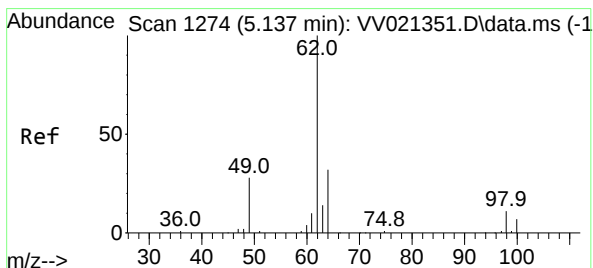
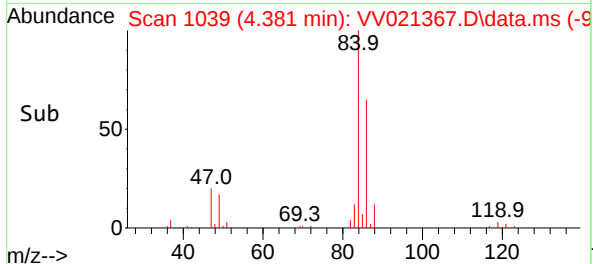
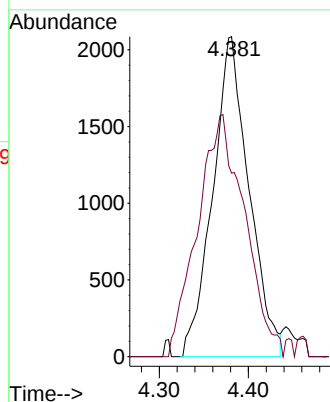
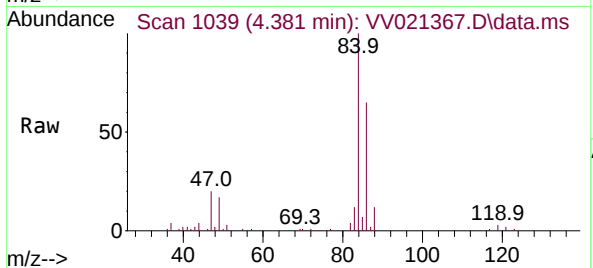
Acq: 21 May 2021 18:36

Tgt Ion: 83 Resp: 5883

Ion Ratio Lower Upper

83 100

85 57.3 46.4 86.2



#27

1,2-Dichloroethane

Concen: 0.32 ug/L

RT: 5.149 min Scan# 1278

Delta R.T. 0.013 min

Lab File: VV021367.D

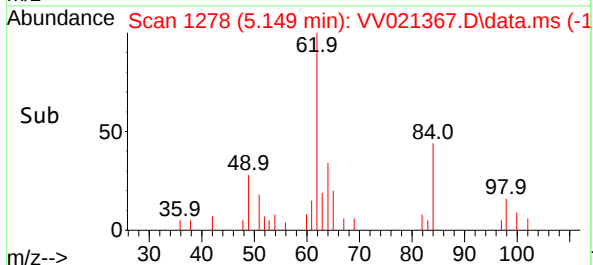
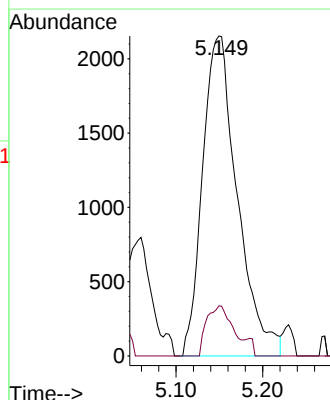
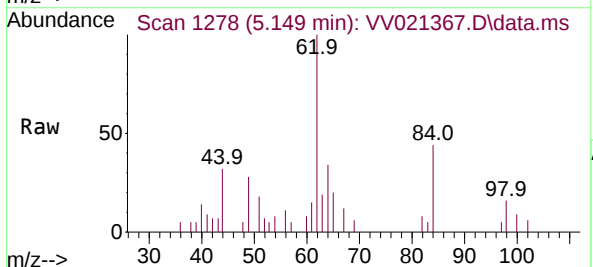
Acq: 21 May 2021 18:36

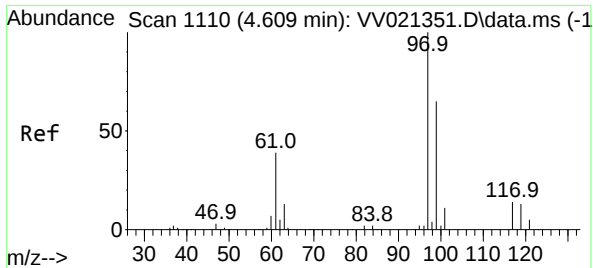
Tgt Ion: 62 Resp: 6008

Ion Ratio Lower Upper

62 100

98 15.6 8.0 12.0#

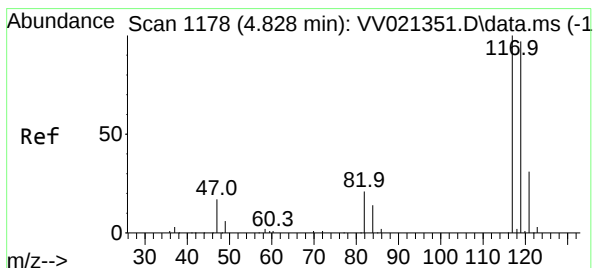
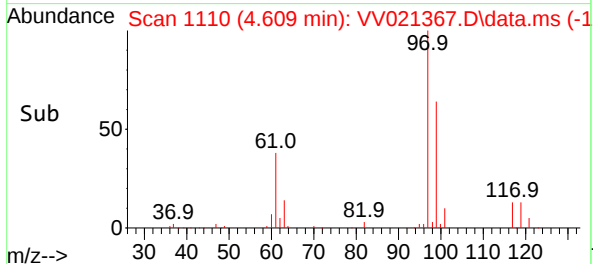
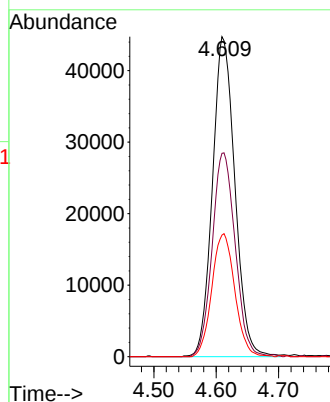
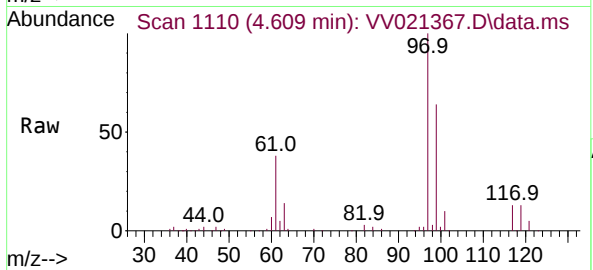




#29
1,1,1-Trichloroethane
Concen: 3.59 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

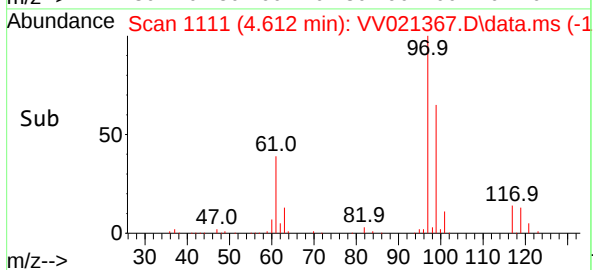
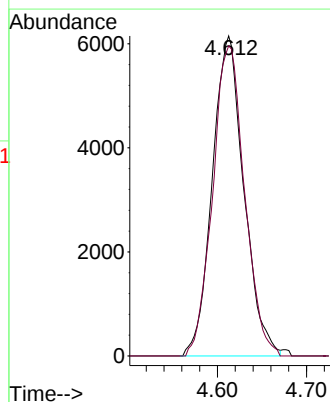
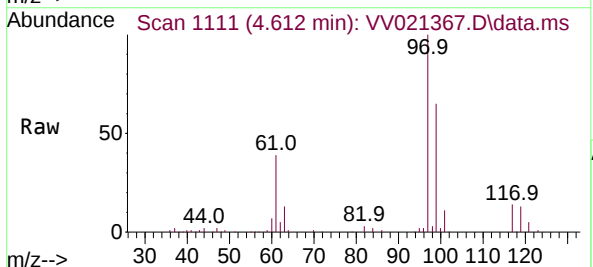
Instrument :
MSVOA_V
ClientSampleId :

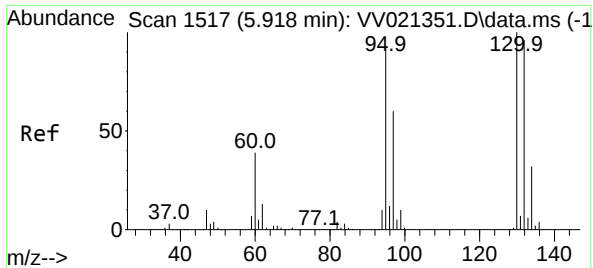
Tgt Ion:	97	Resp:	111940
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.6	75.8
61	39.3	33.2	49.8



#31
Carbon tetrachloride
Concen: 0.54 ug/L
RT: 4.612 min Scan# 1111
Delta R.T. -0.216 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion:	117	Resp:	15137
Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.4	116.2



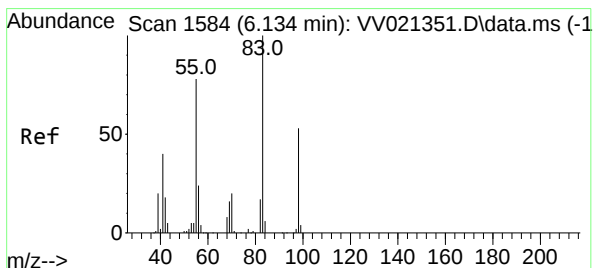
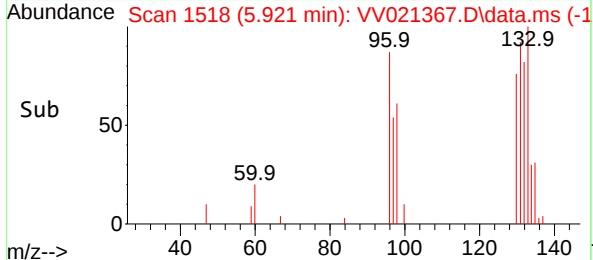
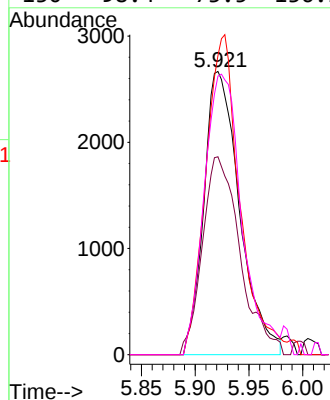
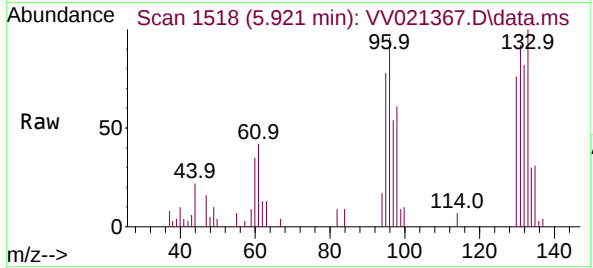


#34
Trichloroethene
Concen: 0.28 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 95 Resp: 6171

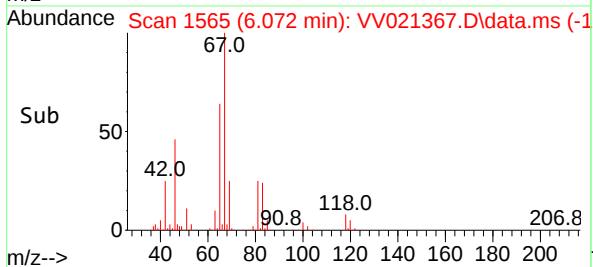
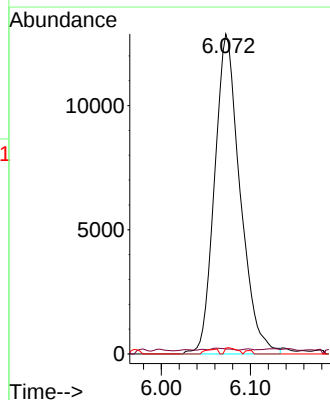
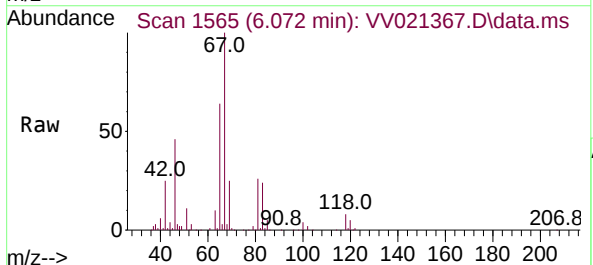
Ion	Ratio	Lower	Upper
95	100		
97	69.9	45.1	83.9
132	105.6	71.5	132.9
130	98.4	73.5	136.5

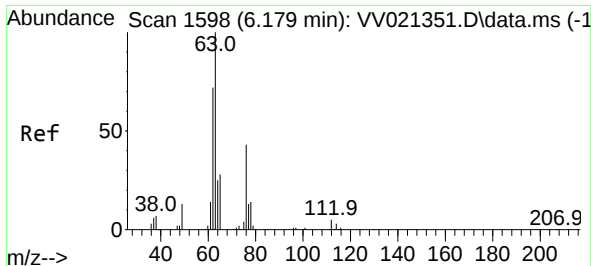


#35
Methylcyclohexane
Concen: 0.78 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion: 83 Resp: 25649

Ion	Ratio	Lower	Upper
83	100		
55	0.6	59.1	88.7#
98	0.9	40.1	60.1#





#37

1,2-Dichloropropane

Concen: 0.63 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.106 min

Lab File: VV021367.D

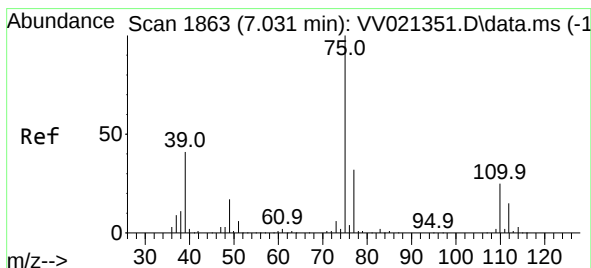
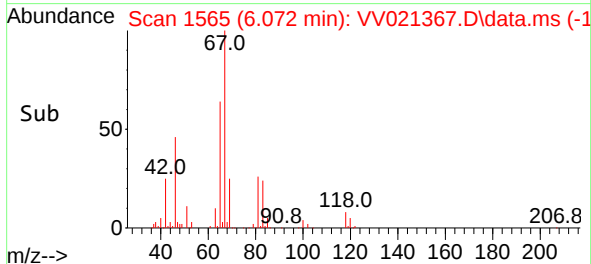
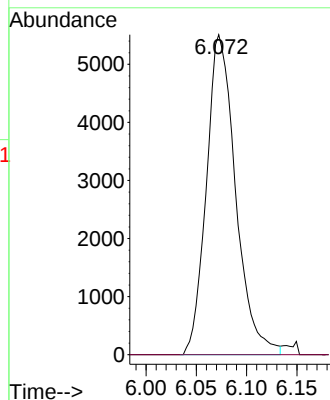
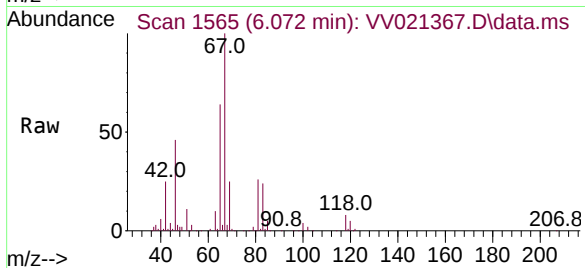
Acq: 21 May 2021 18:36

Tgt Ion: 63 Resp: 11141

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.11 ug/L

RT: 6.995 min Scan# 1852

Delta R.T. -0.036 min

Lab File: VV021367.D

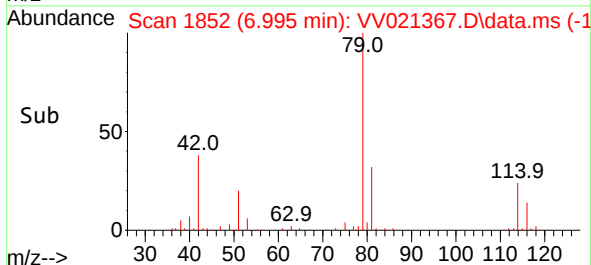
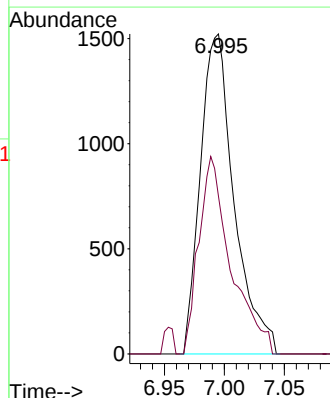
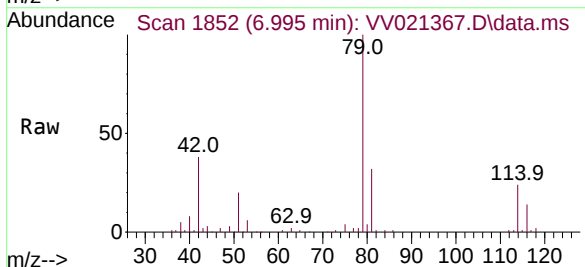
Acq: 21 May 2021 18:36

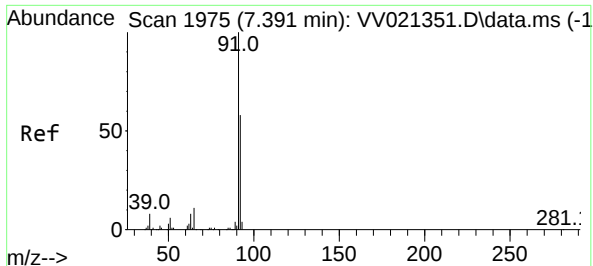
Tgt Ion: 75 Resp: 2981

Ion Ratio Lower Upper

75 100

77 49.3 22.5 41.9#

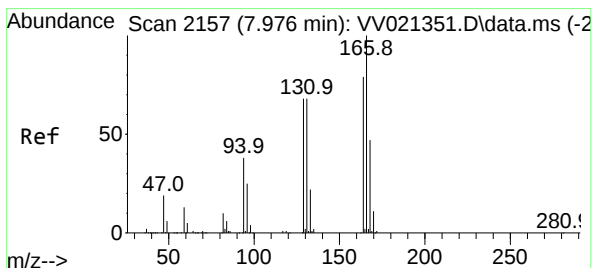
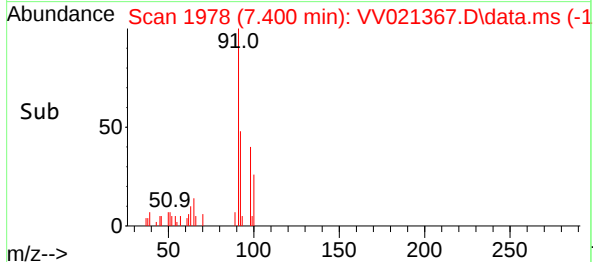
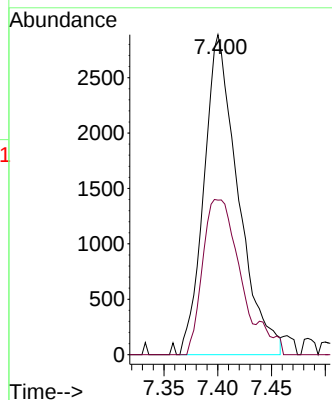
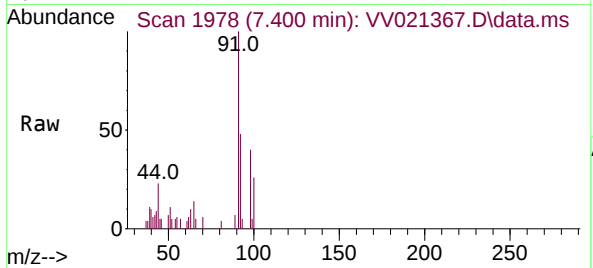




#42
Toluene
Concen: 0.08 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.009 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

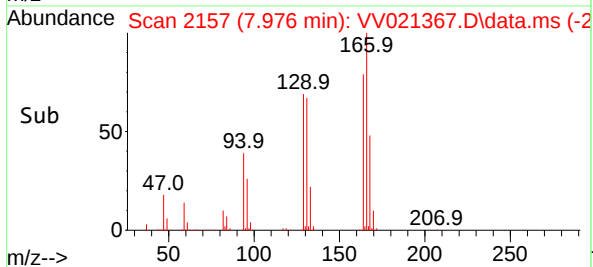
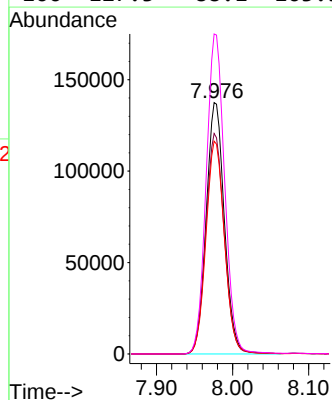
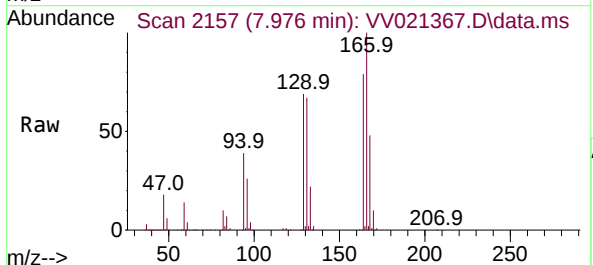
Instrument :
MSVOA_V
ClientSampled :

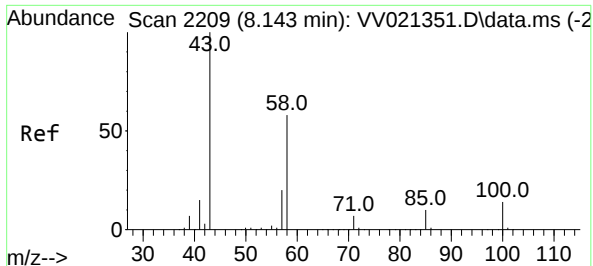
Tgt Ion: 91 Resp: 6367
Ion Ratio Lower Upper
91 100
92 48.3 40.5 75.1



#47
Tetrachloroethene
Concen: 12.96 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.000 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion: 164 Resp: 229238
Ion Ratio Lower Upper
164 100
129 87.7 65.0 120.6
131 84.7 61.8 114.8
166 127.3 88.1 163.5

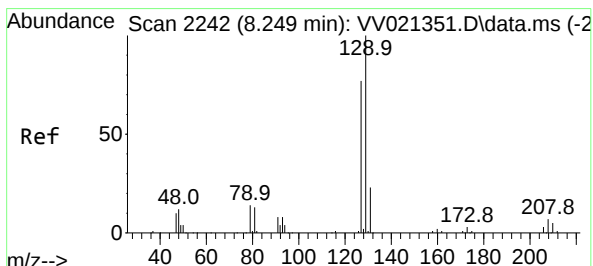
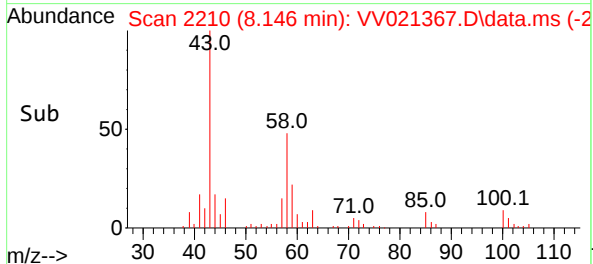
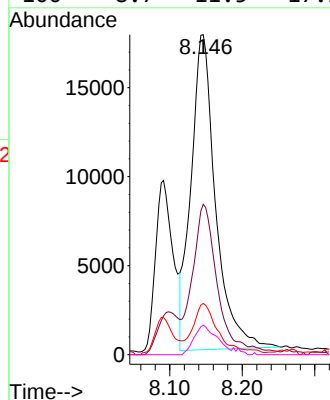
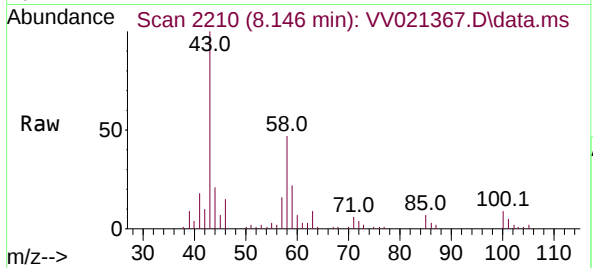




#48
2-Hexanone
Concen: 5.17 ug/L
RT: 8.146 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

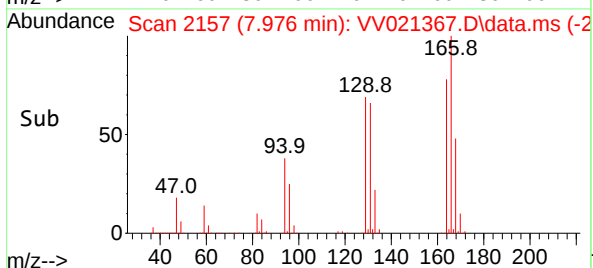
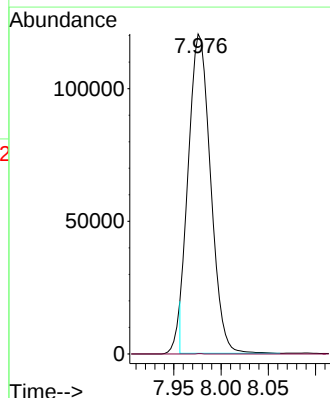
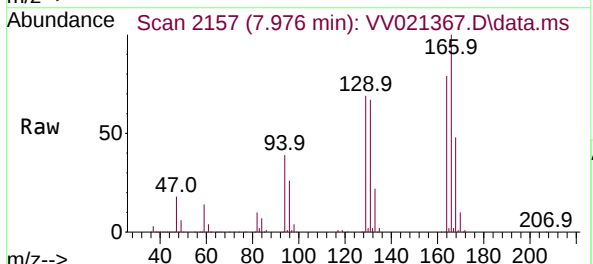
Instrument :
MSVOA_V
ClientSampled :

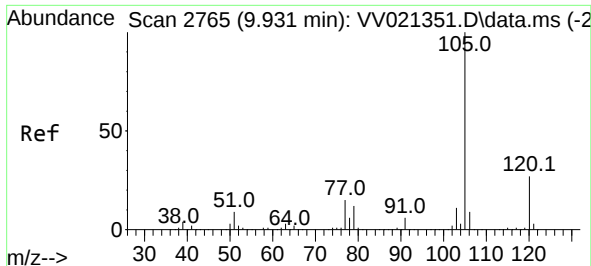
Tgt Ion:	43	Resp:	41662
Ion	Ratio	Lower	Upper
43	100		
58	47.8	47.8	71.8#
57	15.9	16.6	24.8#
100	8.7	11.5	17.3#



#49
Dibromochloromethane
Concen: 11.03 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion:	129	Resp:	194950
Ion	Ratio	Lower	Upper
129	100		
127	0.1	53.6	99.6#

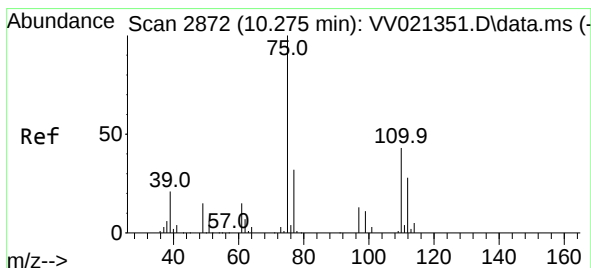
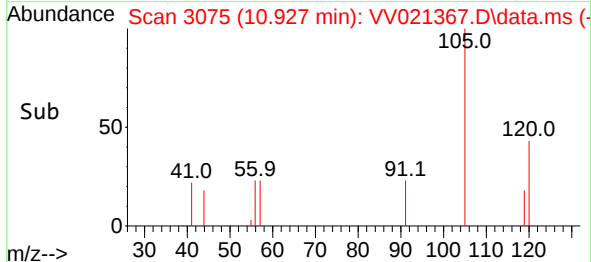
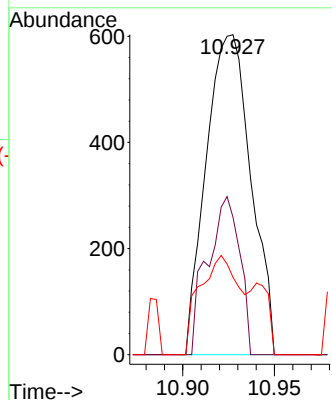
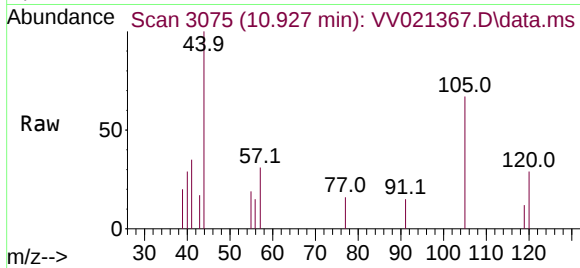




#60
Isopropylbenzene
Concen: 0.01 ug/L
RT: 10.927 min Scan# 3075
Delta R.T. 0.997 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

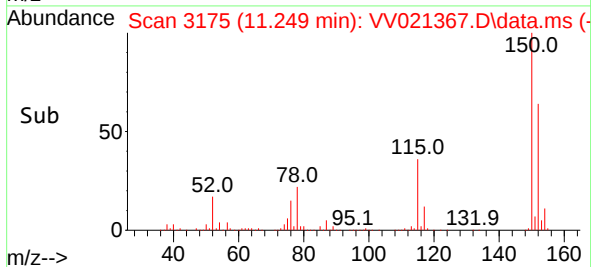
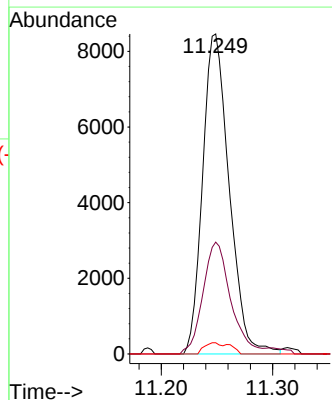
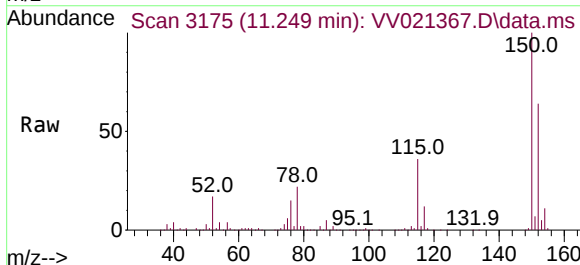
Instrument :
MSVOA_V
ClientSampled :

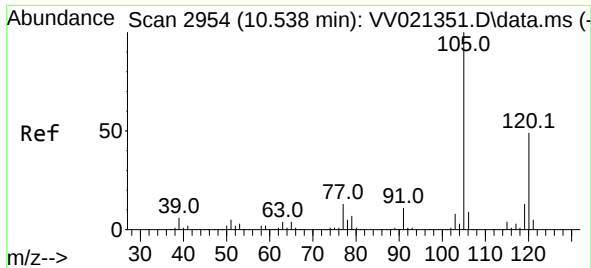
Tgt Ion:	105	Resp:	1026
Ion Ratio	Lower	Upper	
105	100		
120	35.5	21.7	32.5#
77	26.9	12.3	18.5#



#61
1,2,3-Trichloropropane
Concen: 1.37 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion:	75	Resp:	14043
Ion Ratio	Lower	Upper	
75	100		
77	36.4	26.1	39.1
110	2.3	33.2	49.8#

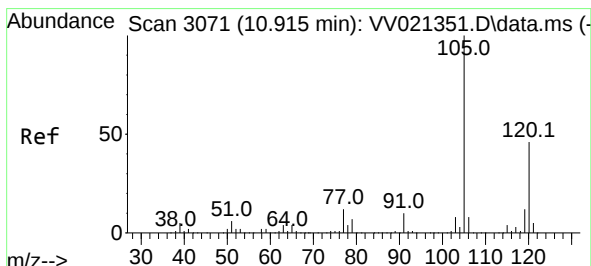
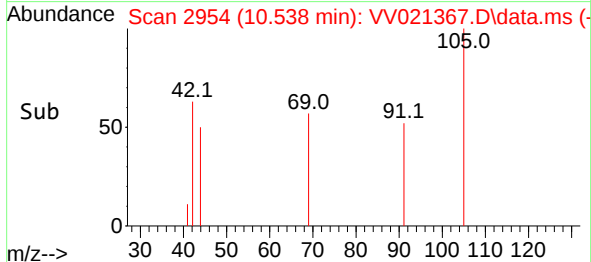
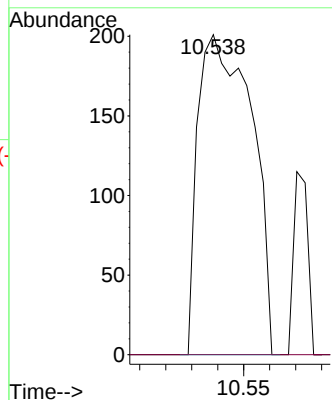
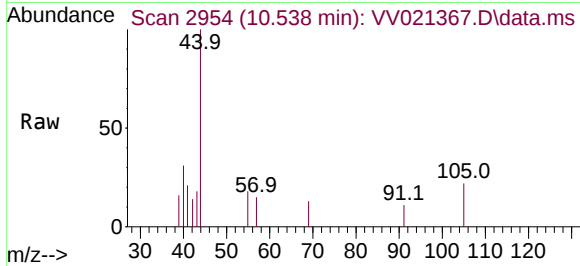




#62
1,3,5-Trimethylbenzene
Concen: 0.00 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion:105 Resp: 288
Ion Ratio Lower Upper
105 100
120 0.0 39.4 59.0#



#63
1,2,4-Trimethylbenzene
Concen: 0.01 ug/L
RT: 10.927 min Scan# 3075
Delta R.T. 0.013 min
Lab File: VV021367.D
Acq: 21 May 2021 18:36

Tgt Ion:105 Resp: 1026
Ion Ratio Lower Upper
105 100
120 35.5 36.7 55.1#

