

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032322\
 Data File : VW025143.D
 Acq On : 23 Mar 2022 19:50
 Operator : SY/MD
 Sample : N2083-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 01:19:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 24 01:12:55 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123439	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	118560	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53202	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36985	3.795	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	76.000%	
7) Chloroethane-d5	1.571	69	33232	4.657	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	93.200%	
11) 1,1-Dichloroethene-d2	2.111	63	49373	3.135	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	62.600%	
20) 2-Butanone-d5	3.899	46	82794	70.298	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	140.600%#	
24) Chloroform-d	4.352	84	83246	5.150	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.000%	
26) 1,2-Dichloroethane-d4	5.034	65	37319	5.523	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	110.400%	
32) Benzene-d6	5.053	84	161177	4.686	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.800%	
36) 1,2-Dichloropropane-d6	6.069	67	50815	5.138	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	102.800%	
41) Toluene-d8	7.317	98	134685	4.297	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.000%	
43) trans-1,3-Dichloroprop...	7.625	79	14085	4.085	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	81.800%	
46) 2-Hexanone-d5	8.088	63	68452	58.208	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	116.420%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	35374	6.080	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	121.600%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	46733	5.189	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.800%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	1610	0.205	ug/L #	1
15) Methyl Acetate	2.198	43	2875	1.332	ug/L #	44
17) Methyl tert-butyl Ether	2.773	73	5369	0.313	ug/L #	86
18) trans-1,2-Dichloroethene	2.767	96	631	0.067	ug/L #	61
19) 1,1-Dichloroethane	3.195	63	4604	0.286	ug/L	93
22) cis-1,2-Dichloroethene	3.918	96	8778	0.919	ug/L	99
25) Chloroform	4.378	83	11809	0.704	ug/L	96
27) 1,2-Dichloroethane	5.053	62	771	0.092	ug/L #	71
29) 1,1,1-Trichloroethane	4.612	97	22084	1.461	ug/L	98
34) Trichloroethene	5.918	95	10461	1.019	ug/L	98
35) Methylcyclohexane	6.072	83	12534	0.771	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	5261	0.594	ug/L #	86
38) Bromodichloromethane	6.522	83	555	0.050	ug/L #	97
39) cis-1,3-Dichloropropene	6.989	75	938	0.076	ug/L #	49
47) Tetrachloroethene	7.976	164	16764	2.321	ug/L	97
49) Dibromochloromethane	7.976	129	16517	2.493	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6287	1.405	ug/L #	66
68) 1,2-Dibromo-3-chloropr...	12.246	75	201	0.262	ug/L #	1

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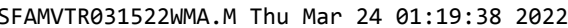
Instrument :
MSVOA_V
ClientSampleId :

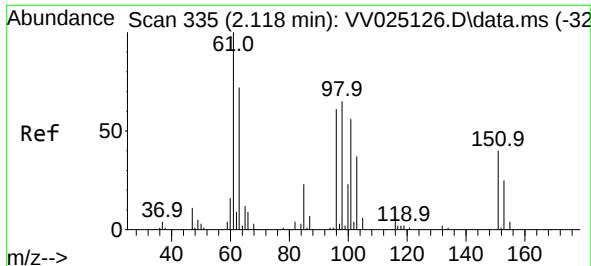
Quant Time: Mar 24 01:19:31 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Mar 24 01:12:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.205 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

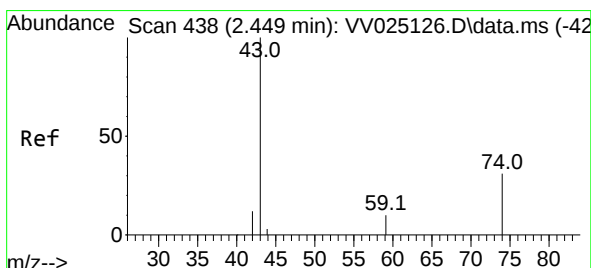
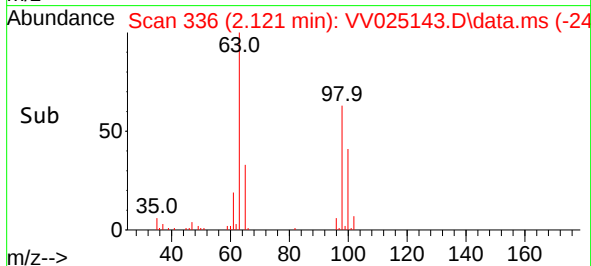
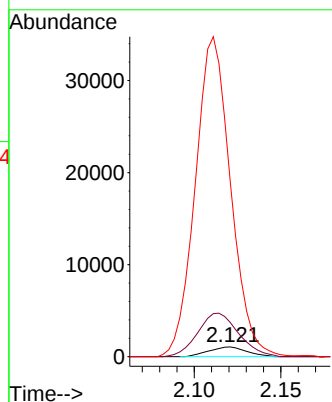
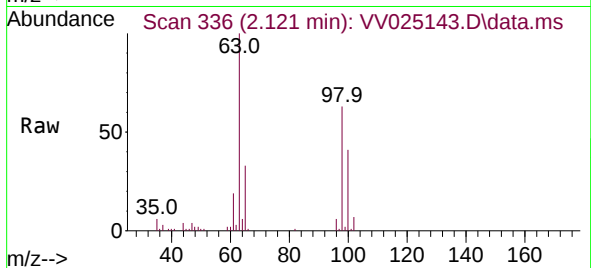
Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 96 Resp: 1610

Ion	Ratio	Lower	Upper
96	100		
61	352.3	113.0	209.9#
63	1810.8	82.1	152.5#



#15

Methyl Acetate

Concen: 1.332 ug/L

RT: 2.198 min Scan# 360

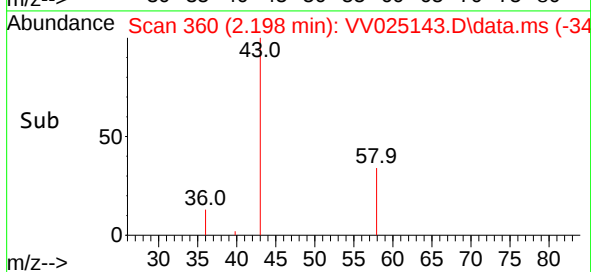
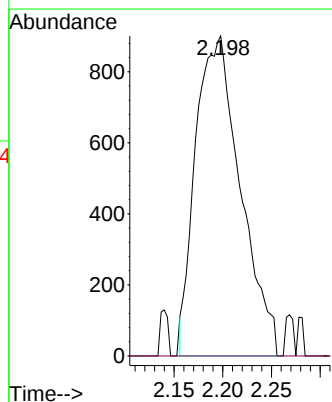
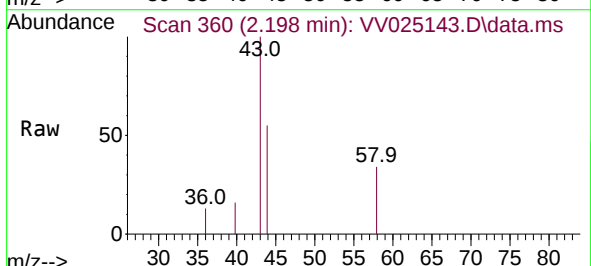
Delta R.T. -0.251 min

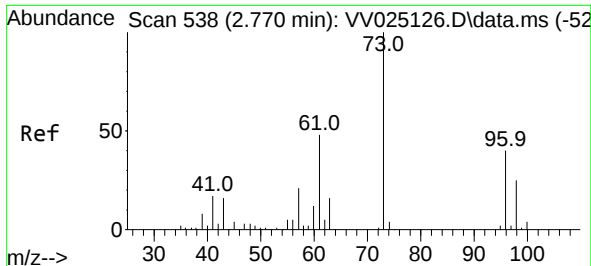
Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Tgt Ion: 43 Resp: 2875

Ion	Ratio	Lower	Upper
43	100		
74	0.0	24.2	36.4#

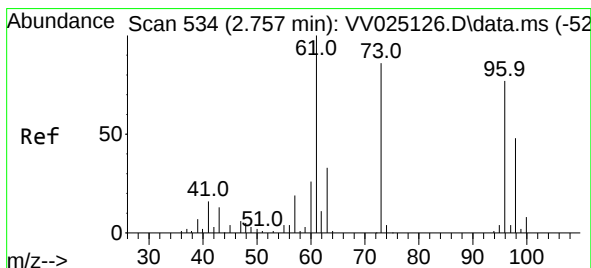
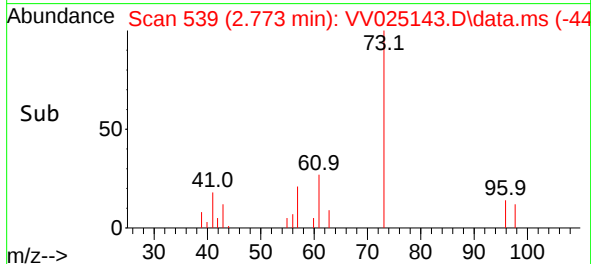
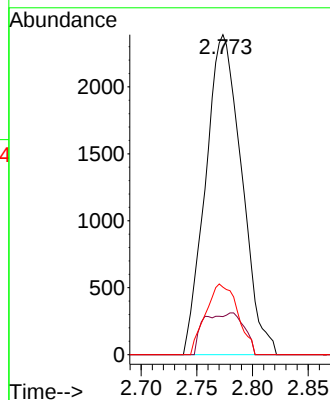
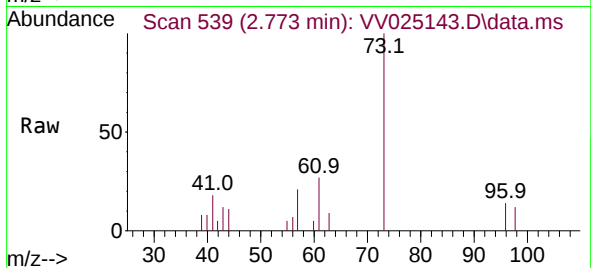




#17
Methyl tert-butyl Ether
Concen: 0.313 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025143.D
Acq: 23 Mar 2022 19:50

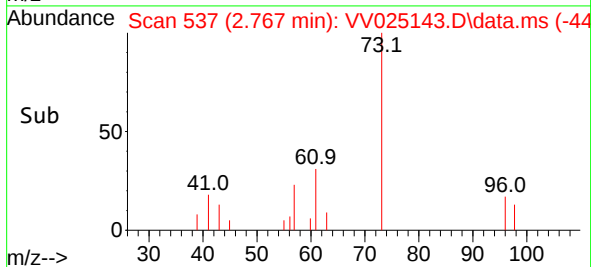
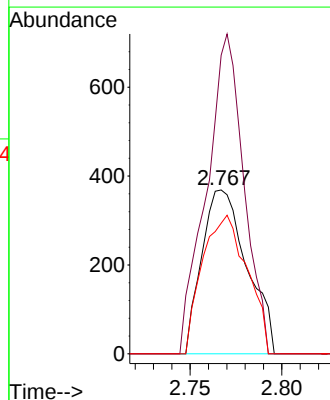
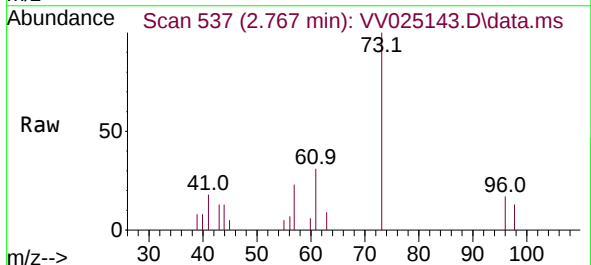
Instrument :
MSVOA_V
ClientSampleId :

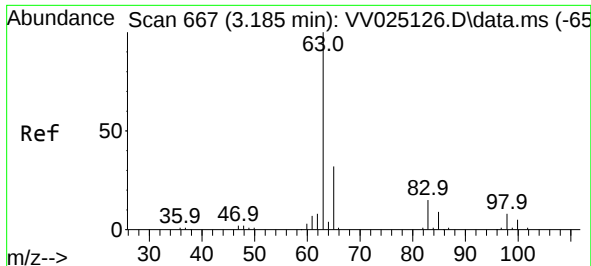
Tgt Ion: 73 Resp: 5369
Ion Ratio Lower Upper
73 100
43 4.5 13.2 19.8#
57 19.8 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 0.067 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.009 min
Lab File: VV025143.D
Acq: 23 Mar 2022 19:50

Tgt Ion: 96 Resp: 631
Ion Ratio Lower Upper
96 100
61 182.1 89.2 165.6#
98 79.7 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.286 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.009 min

Lab File: VV025143.D

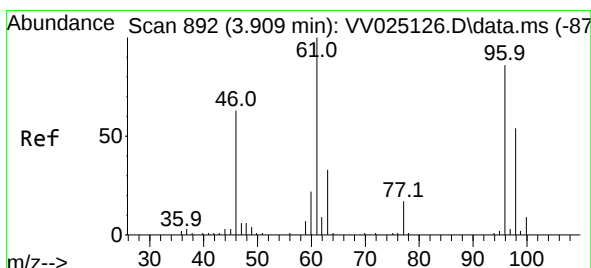
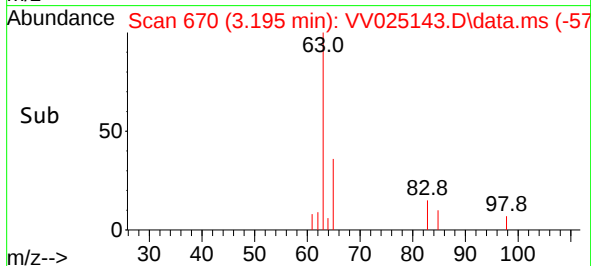
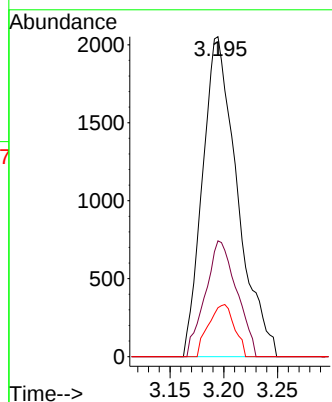
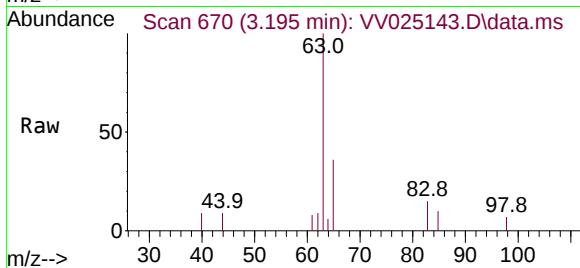
Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 4604		
Ion Ratio	Lower	Upper	
63	100		
65	36.2	22.2	41.2
83	15.3	9.4	17.4



#22

cis-1,2-Dichloroethene

Concen: 0.919 ug/L

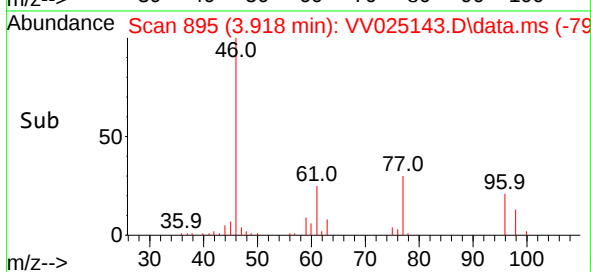
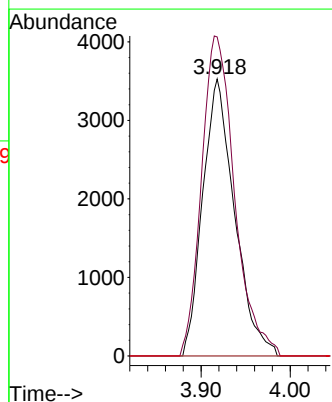
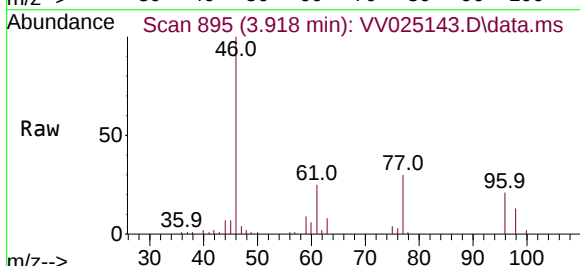
RT: 3.918 min Scan# 895

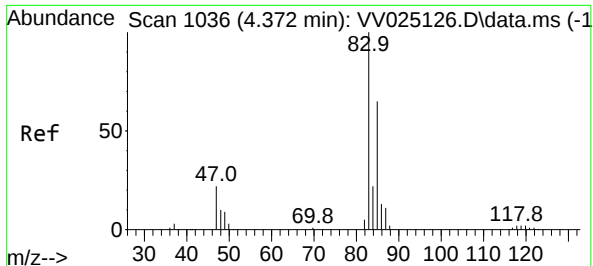
Delta R.T. 0.009 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Tgt Ion: 96	Resp: 8778		
Ion Ratio	Lower	Upper	
96 100			
61 115.2	79.7	147.9	
68 0.0	0.0	0.0	





#25

Chloroform

Concen: 0.704 ug/L

RT: 4.378 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

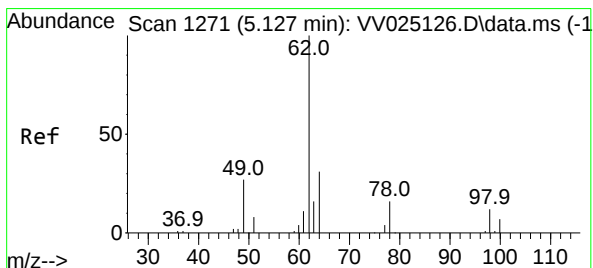
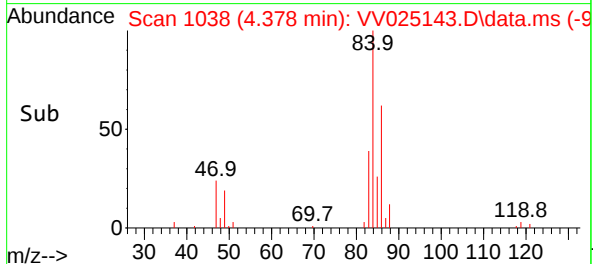
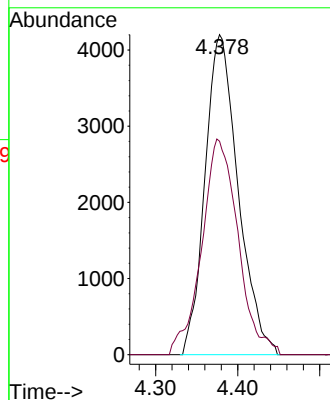
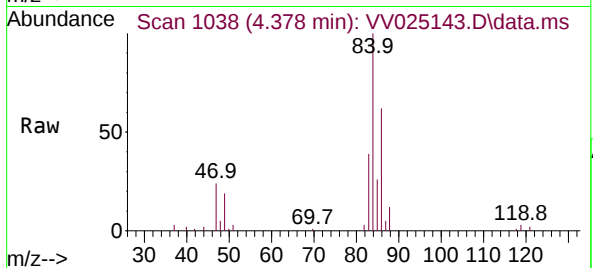
ClientSampleId :

Tgt Ion: 83 Resp: 11809

Ion Ratio Lower Upper

83 100

85 66.7 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.074 min

Lab File: VV025143.D

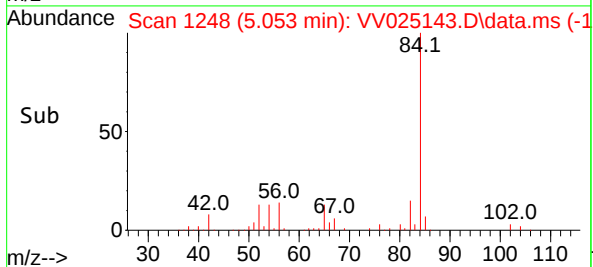
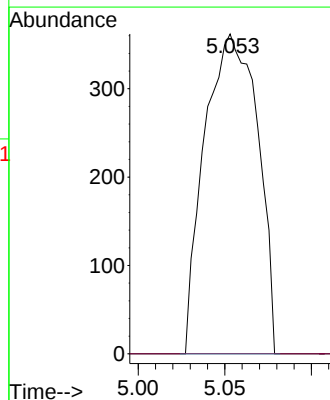
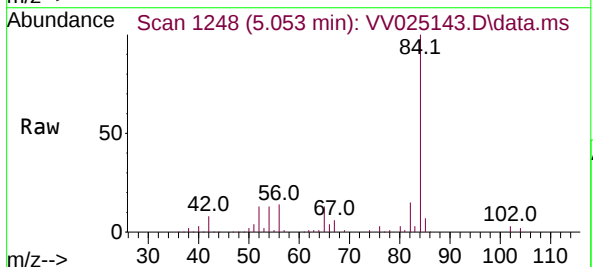
Acq: 23 Mar 2022 19:50

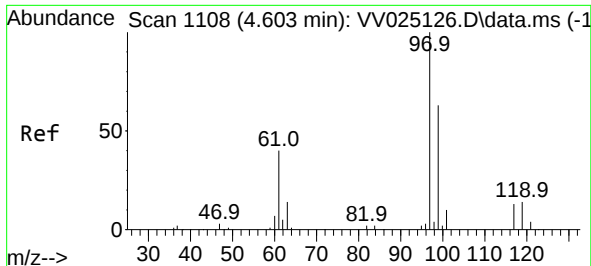
Tgt Ion: 62 Resp: 771

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 1.461 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.009 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

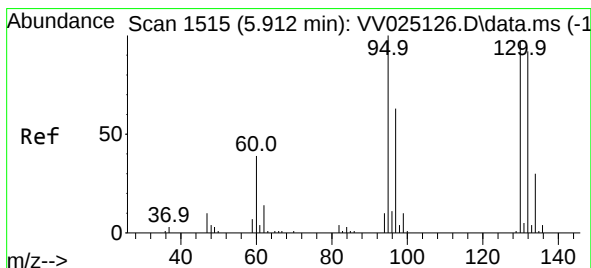
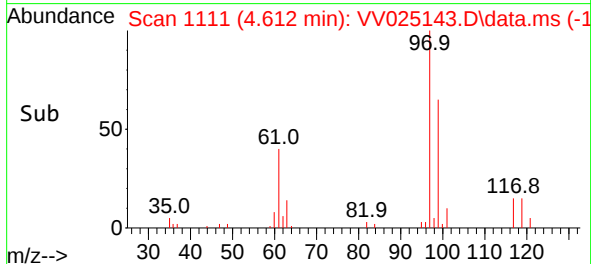
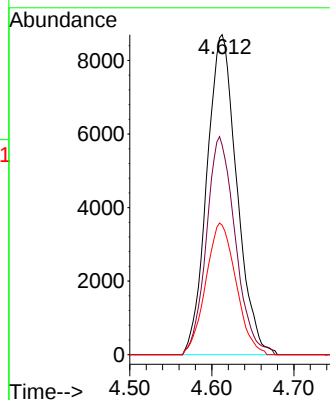
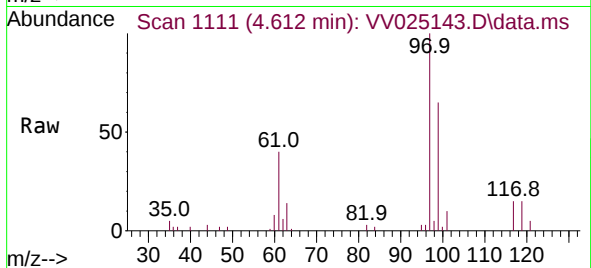
Tgt Ion: 97 Resp: 22084

Ion Ratio Lower Upper

97 100

99 65.7 50.7 76.1

61 41.5 32.4 48.6



#34

Trichloroethene

Concen: 1.019 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.006 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Tgt Ion: 95 Resp: 10461

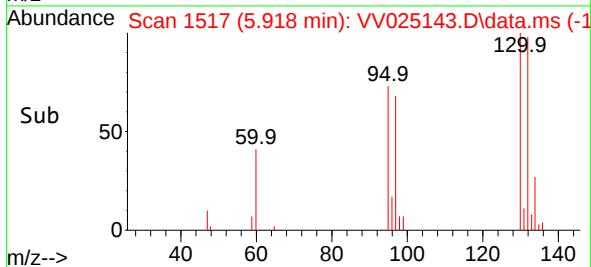
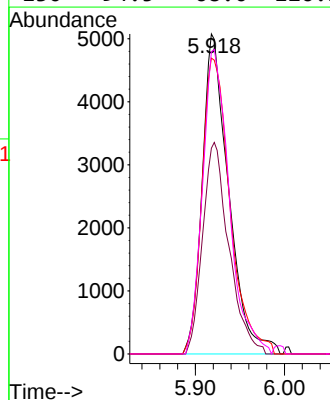
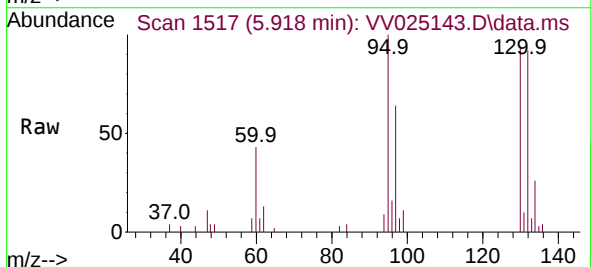
Ion Ratio Lower Upper

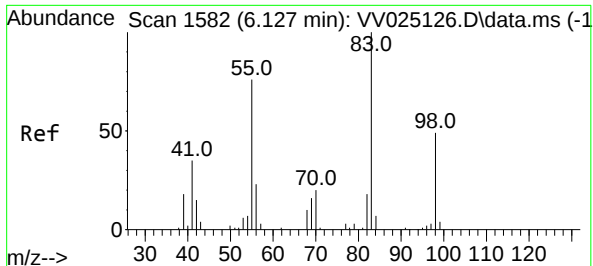
95 100

97 64.3 44.5 82.7

132 92.5 66.5 123.5

130 94.5 68.0 126.2





#35

Methylcyclohexane

Concen: 0.771 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV025143.D

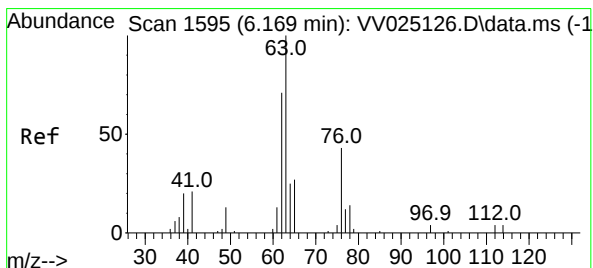
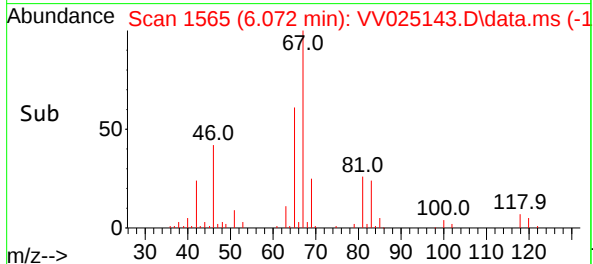
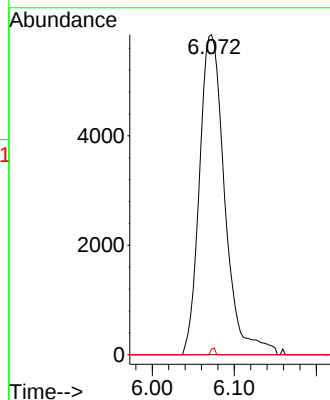
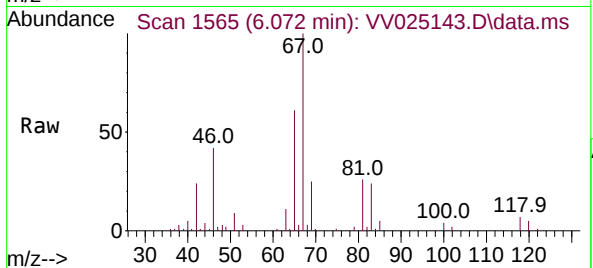
Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 12534
Ion Ratio	Lower Upper
83 100	
55 0.0	55.4 83.0#
98 0.3	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 0.594 ug/L

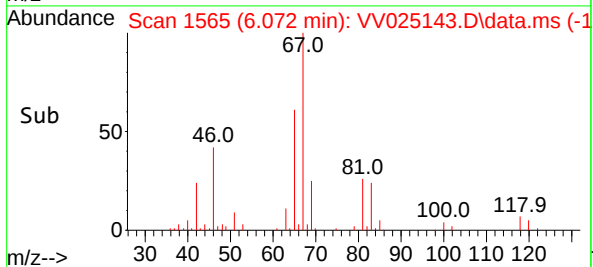
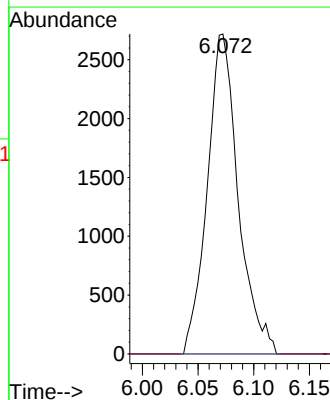
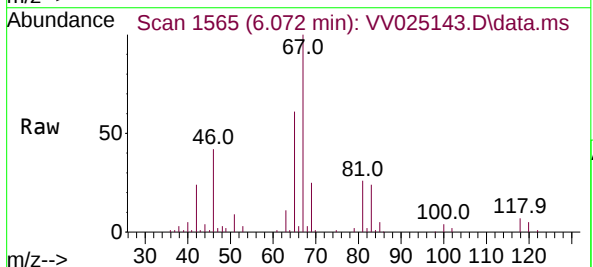
RT: 6.072 min Scan# 1565

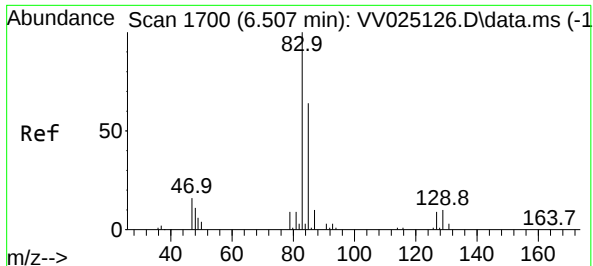
Delta R.T. -0.097 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Tgt Ion: 63	Resp: 5261
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#





#38

Bromodichloromethane

Concen: 0.050 ug/L

RT: 6.522 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV025143.D

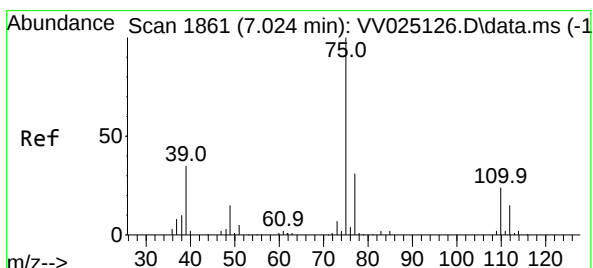
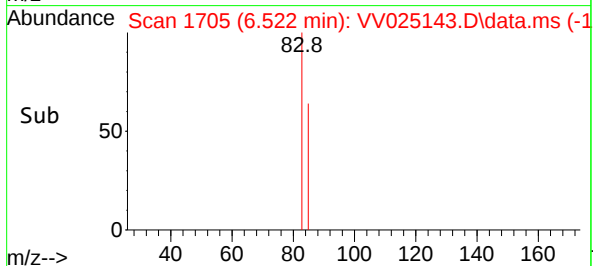
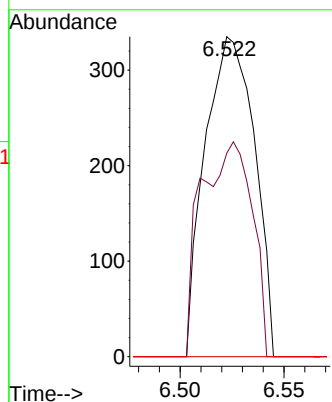
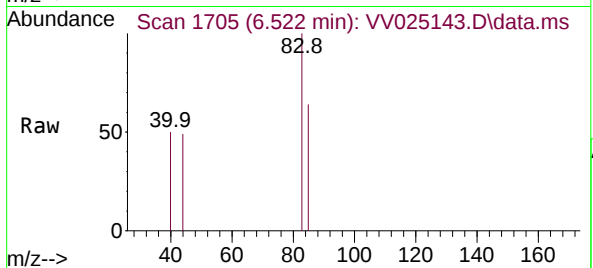
Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 555
Ion Ratio	Lower Upper
83	100
85	63.6 44.8 83.2
127	0.0 6.3 9.5#



#39

cis-1,3-Dichloropropene

Concen: 0.076 ug/L

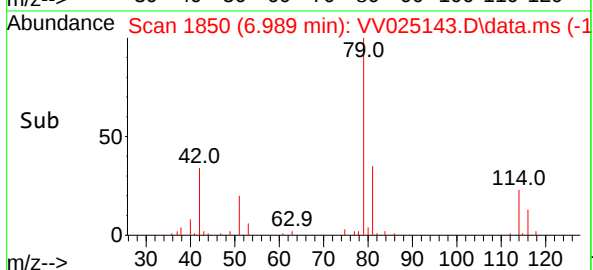
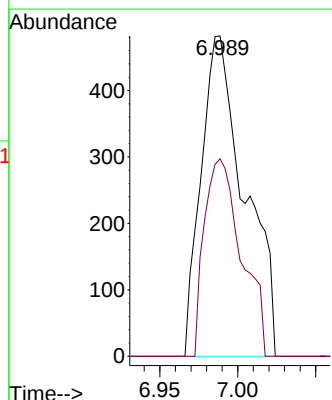
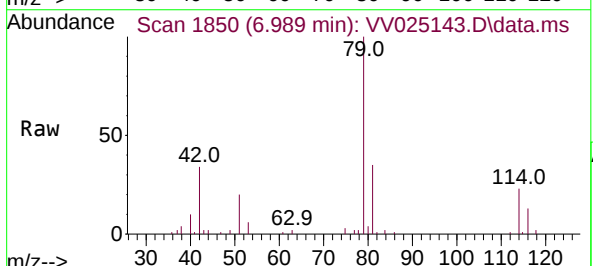
RT: 6.989 min Scan# 1850

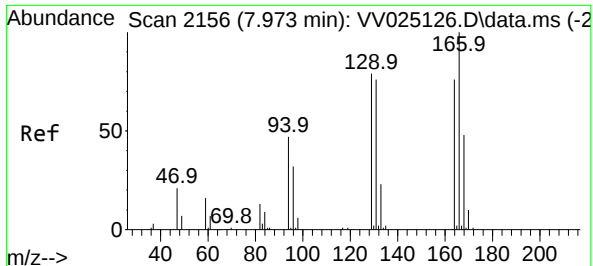
Delta R.T. -0.036 min

Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Tgt Ion: 75	Resp: 938
Ion Ratio	Lower Upper
75	100
77	61.6 23.0 42.8#





#47

Tetrachloroethene

Concen: 2.321 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

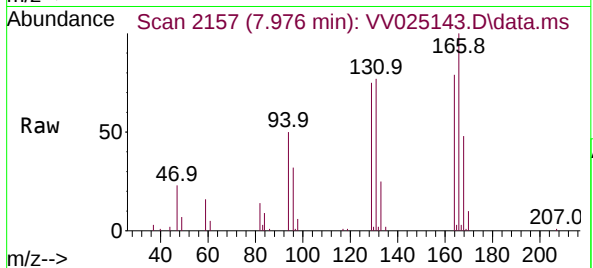
Lab File: VV025143.D

Acq: 23 Mar 2022 19:50

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 16764

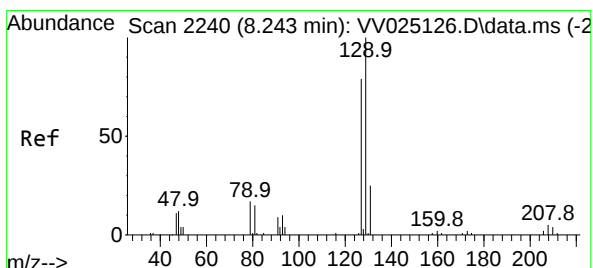
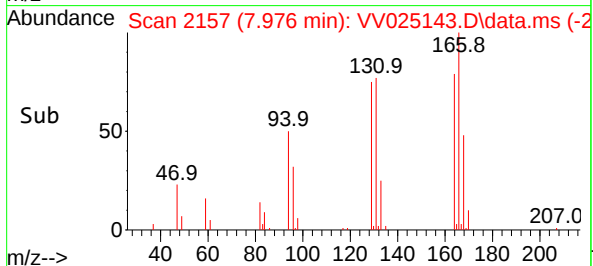
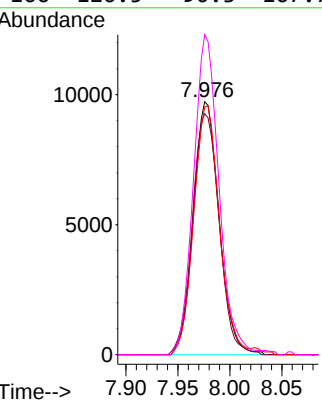
Ion Ratio Lower Upper

164 100

129 95.3 70.3 130.7

131 97.9 69.4 129.0

166 126.5 90.3 167.7



#49

Dibromochloromethane

Concen: 2.493 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025143.D

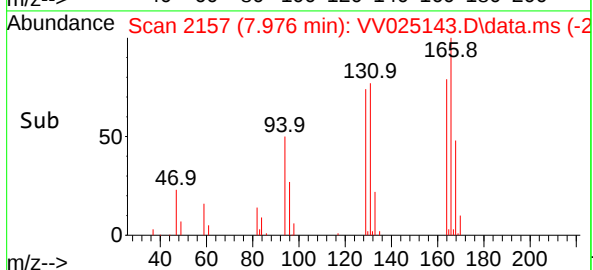
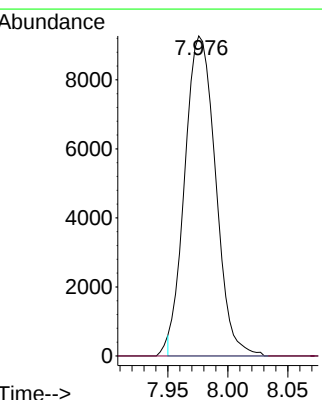
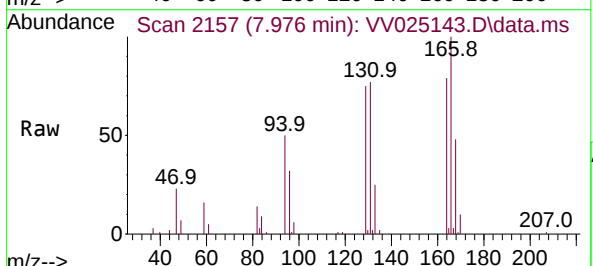
Acq: 23 Mar 2022 19:50

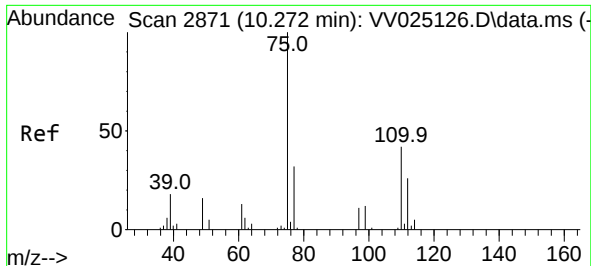
Tgt Ion:129 Resp: 16517

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#

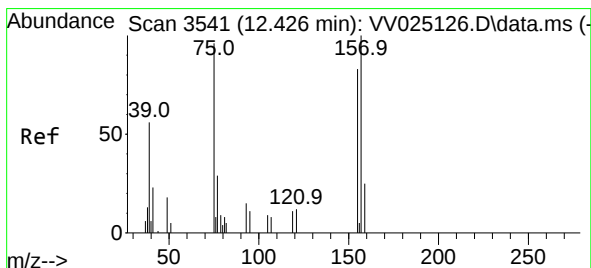
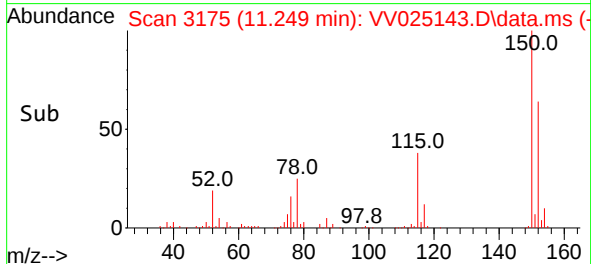
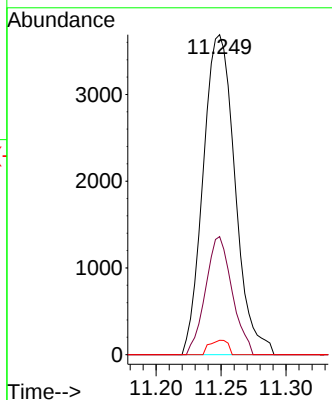
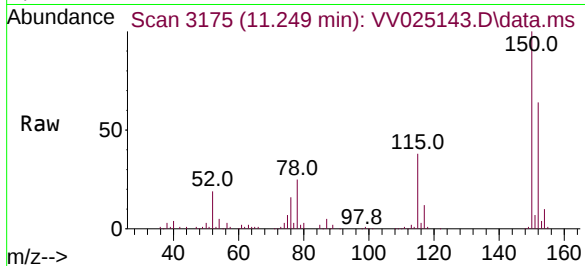




#61
 1,2,3-Trichloropropane
 Concen: 1.405 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.977 min
 Lab File: VV025143.D
 Acq: 23 Mar 2022 19:50

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 75 Resp: 6287
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.7 38.5
 110 2.6 31.2 46.8#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.262 ug/L
 RT: 12.246 min Scan# 3485
 Delta R.T. -0.180 min
 Lab File: VV025143.D
 Acq: 23 Mar 2022 19:50

Tgt Ion: 75 Resp: 201
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.9 98.9#
 157 0.0 89.7 134.5#

