

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032522\
 Data File : VW025175.D
 Acq On : 25 Mar 2022 13:45
 Operator : SY/MD
 Sample : N2083-05RE
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EW5Z8

Quant Time: Mar 25 23:21:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 25 23:19:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	201891	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	190032	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	82109	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	58575	3.675	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.400%
7) Chloroethane-d5	1.568	69	48369	4.144	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.800%
11) 1,1-Dichloroethene-d2	2.108	63	75242	2.921	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.400%#
20) 2-Butanone-d5	3.899	46	87668	45.511	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.020%
24) Chloroform-d	4.349	84	108986	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	5.034	65	46935	4.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	5.050	84	224100	4.065	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.400%
36) 1,2-Dichloropropane-d6	6.069	67	66447	4.192	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.800%
41) Toluene-d8	7.317	98	191745	3.817	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	7.625	79	20515	3.712	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.088	63	76061	40.352	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.700%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	40148	4.305	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	63270	4.552	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	3790	0.214	ug/L #	72
12) 1,1-Dichloroethene	2.117	96	3194	0.248	ug/L #	1
17) Methyl tert-butyl Ether	2.777	73	6494	0.232	ug/L	95
18) trans-1,2-Dichloroethene	2.767	96	1645	0.106	ug/L	86
19) 1,1-Dichloroethane	3.195	63	32556	1.236	ug/L	96
22) cis-1,2-Dichloroethene	3.915	96	56912	3.642	ug/L	97
25) Chloroform	4.375	83	8459	0.308	ug/L	96
27) 1,2-Dichloroethane	5.146	62	3813	0.280	ug/L	95
29) 1,1,1-Trichloroethane	4.609	97	15756	0.650	ug/L	98
31) Carbon tetrachloride	4.834	117	6010	0.289	ug/L	92
34) Trichloroethene	5.921	95	6815	0.414	ug/L	86
35) Methylcyclohexane	6.069	83	16130	0.619	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	6797	0.479	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1547	0.078	ug/L	83
47) Tetrachloroethene	7.976	164	4512	0.390	ug/L	91
49) Dibromochloromethane	7.979	129	4686	0.441	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	9220	1.335	ug/L #	65

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032522\
Data File : VV025175.D
Acq On : 25 Mar 2022 13:45
Operator : SY/MD
Sample : N2083-05RE
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EW5Z8

Quant Time: Mar 25 23:21:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 25 23:19:44 2022
Response via : Initial Calibration

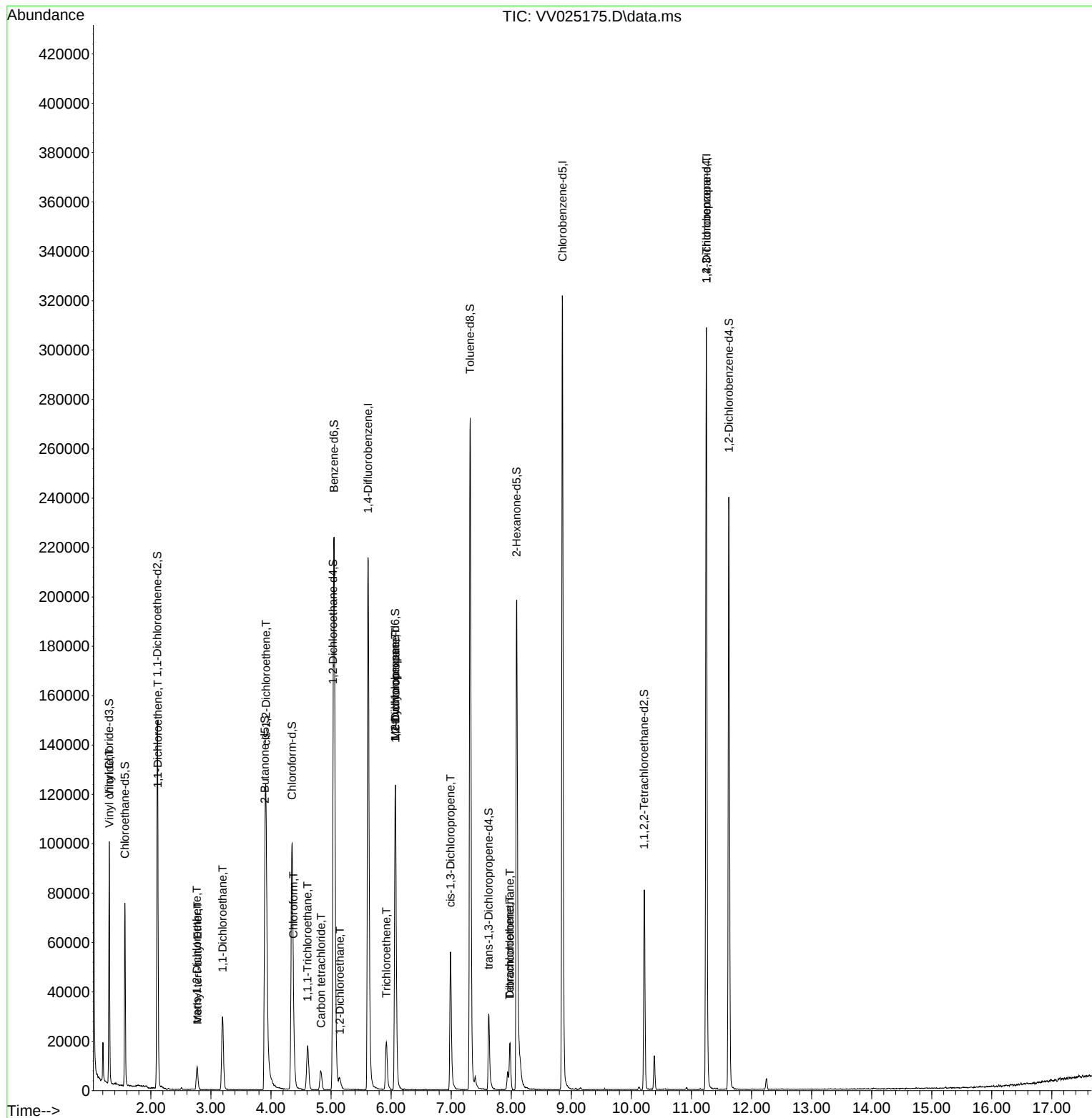
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

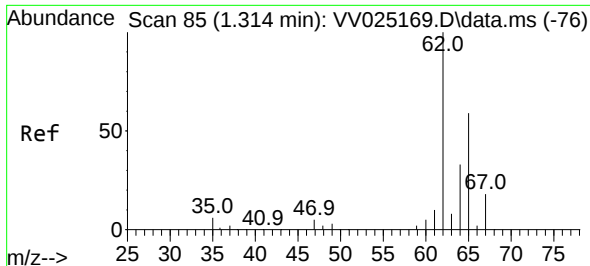
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032522\
Data File : VV025175.D
Acq On : 25 Mar 2022 13:45
Operator : SY/MD
Sample : N2083-05RE
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EW5Z8

Quant Time: Mar 25 23:21:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 25 23:19:44 2022
Response via : Initial Calibration

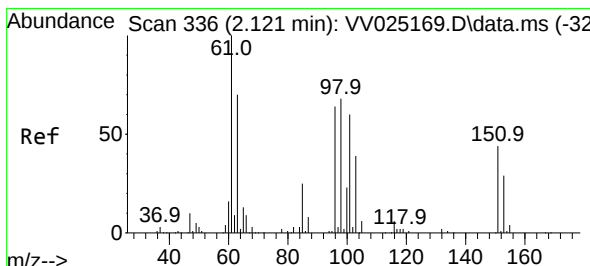
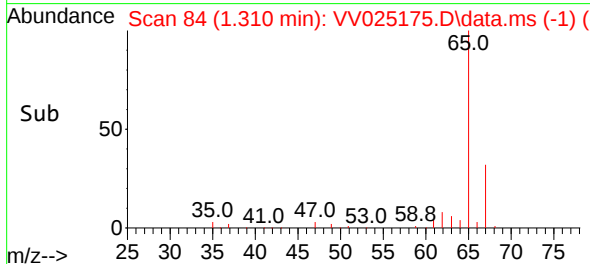
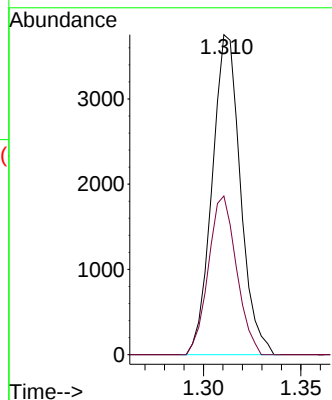
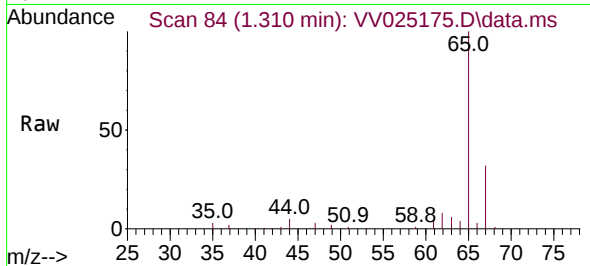




#5
 Vinyl chloride
 Concen: 0.214 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV025175.D
 Acq: 25 Mar 2022 13:45

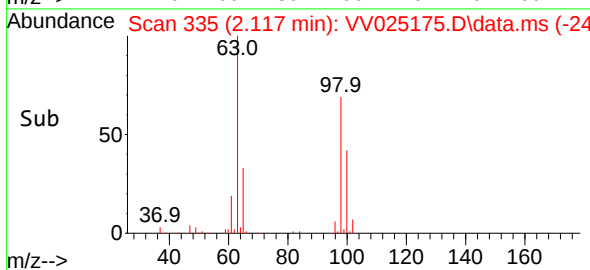
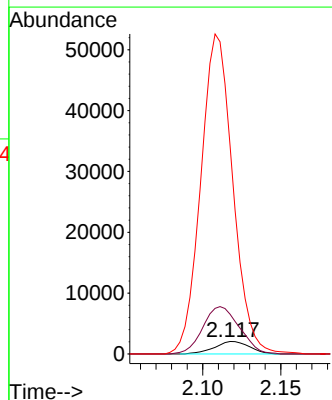
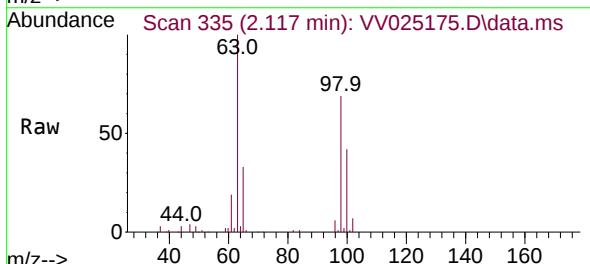
Instrument :
 MSVOA_V
 ClientSampleId :
 EW5Z8

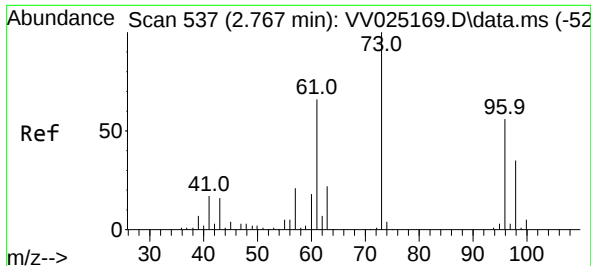
Tgt Ion: 62 Resp: 3790
 Ion Ratio Lower Upper
 62 100
 64 49.6 23.4 43.4#



#12
 1,1-Dichloroethene
 Concen: 0.248 ug/L
 RT: 2.117 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV025175.D
 Acq: 25 Mar 2022 13:45

Tgt Ion: 96 Resp: 3194
 Ion Ratio Lower Upper
 96 100
 61 316.4 113.0 209.9#
 63 1655.5 82.1 152.5#

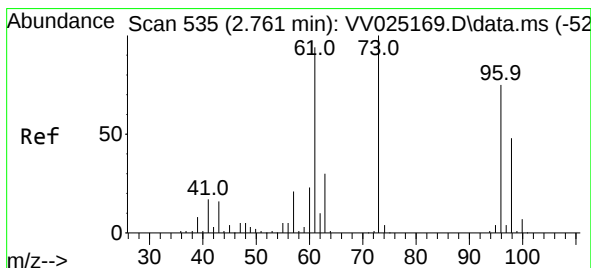
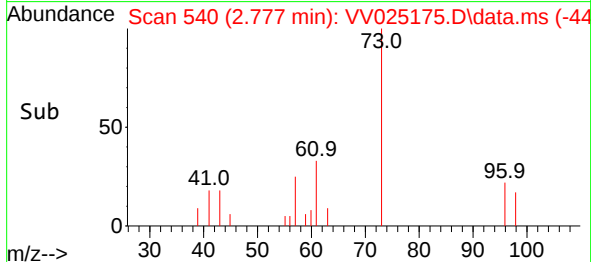
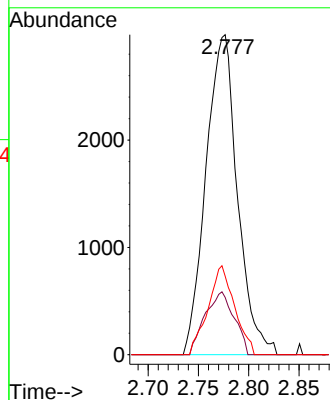
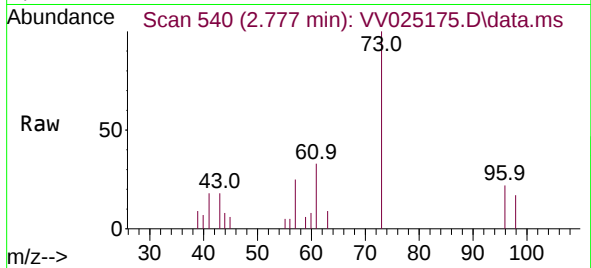




#17
Methyl tert-butyl Ether
Concen: 0.232 ug/L
RT: 2.777 min Scan# 54
Delta R.T. 0.010 min
Lab File: VV025175.D
Acq: 25 Mar 2022 13:45

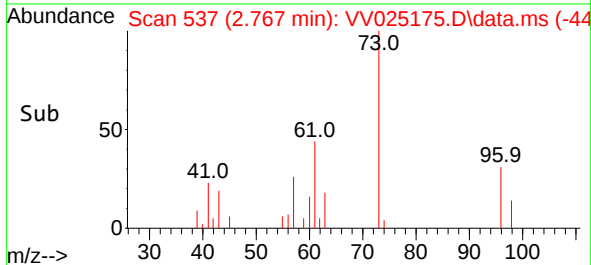
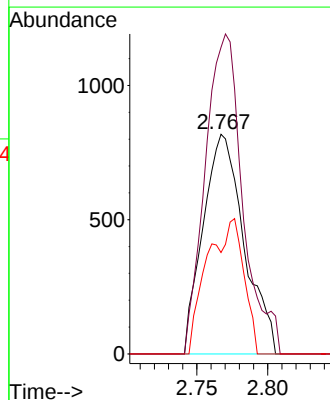
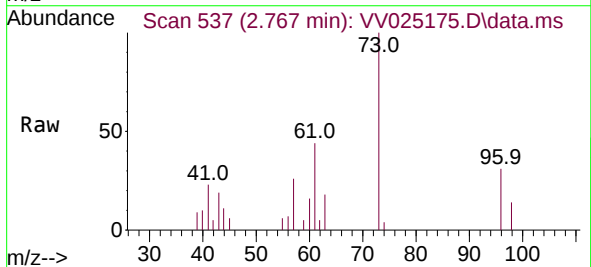
Instrument :
MSVOA_V
ClientSampleId :
EW5Z8

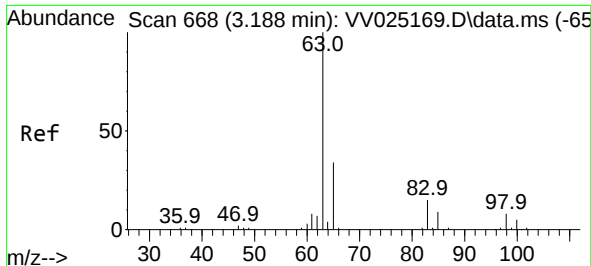
Tgt Ion: 73 Resp: 6494
Ion Ratio Lower Upper
73 100
43 18.2 13.2 19.8
57 23.4 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 0.106 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV025175.D
Acq: 25 Mar 2022 13:45

Tgt Ion: 96 Resp: 1645
Ion Ratio Lower Upper
96 100
61 139.6 89.2 165.6
98 46.2 43.9 81.5





#19

1,1-Dichloroethane

Concen: 1.236 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8

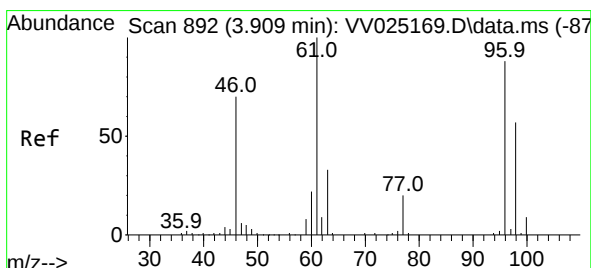
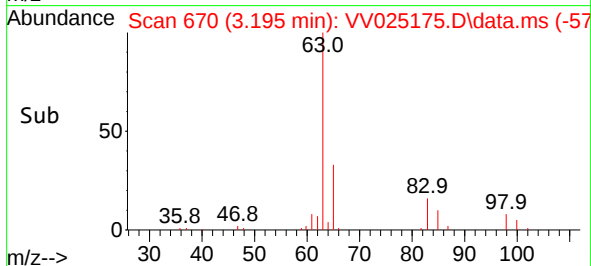
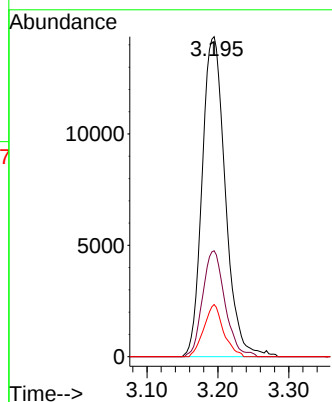
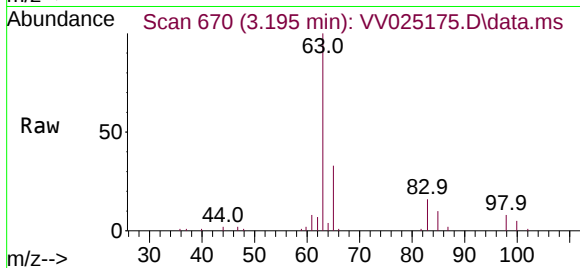
Tgt Ion: 63 Resp: 32556

Ion Ratio Lower Upper

63 100

65 33.1 22.2 41.2

83 16.3 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 3.642 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

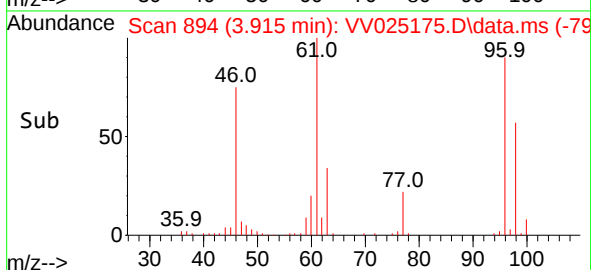
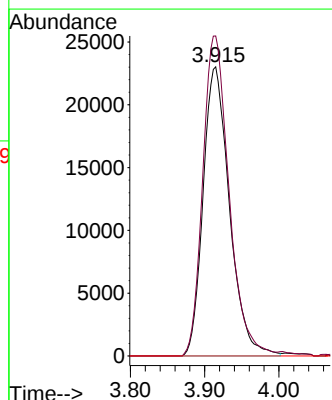
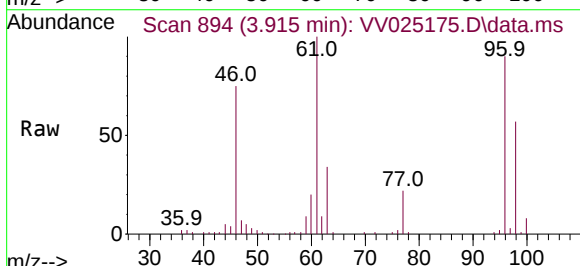
Tgt Ion: 96 Resp: 56912

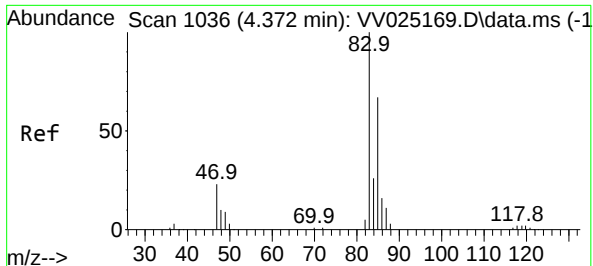
Ion Ratio Lower Upper

96 100

61 110.7 79.7 147.9

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.308 ug/L

RT: 4.375 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

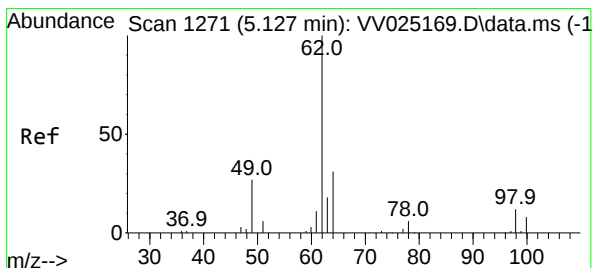
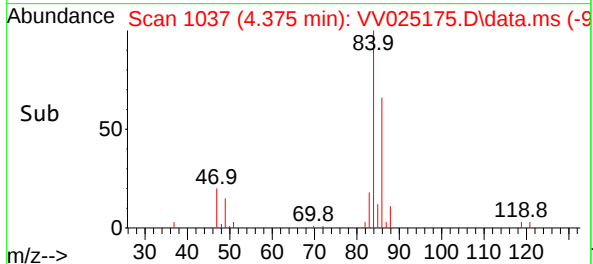
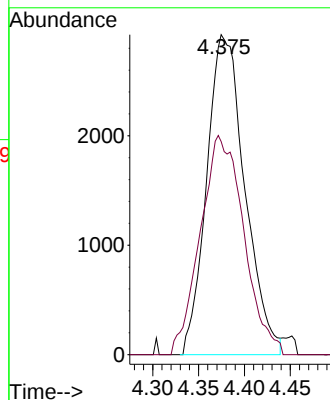
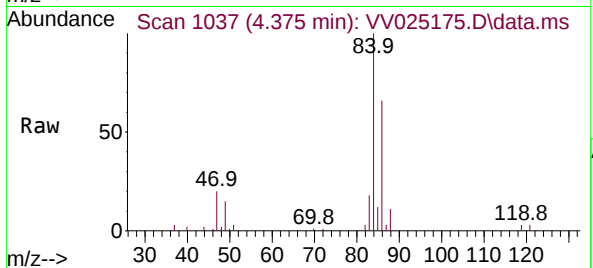
EW5Z8

Tgt Ion: 83 Resp: 8459

Ion Ratio Lower Upper

83 100

85 66.6 44.5 82.7



#27

1,2-Dichloroethane

Concen: 0.280 ug/L

RT: 5.146 min Scan# 1277

Delta R.T. 0.019 min

Lab File: VV025175.D

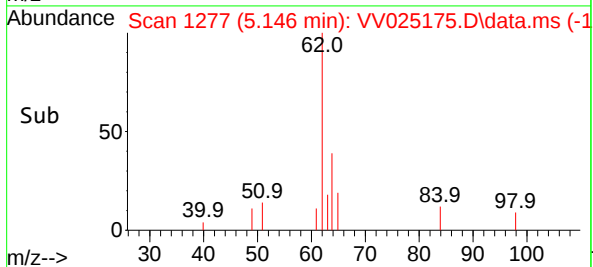
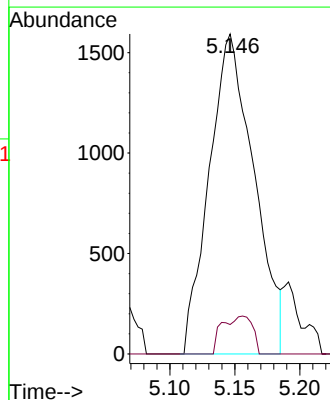
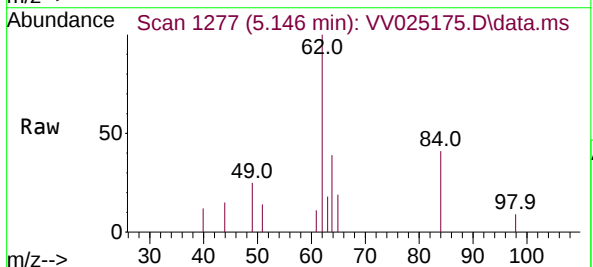
Acq: 25 Mar 2022 13:45

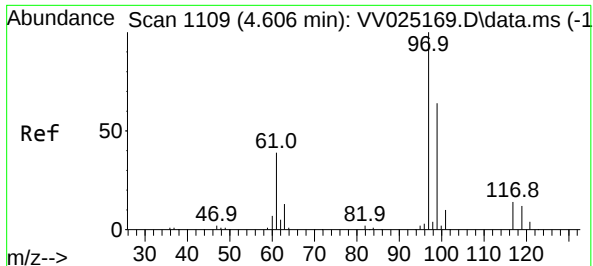
Tgt Ion: 62 Resp: 3813

Ion Ratio Lower Upper

62 100

98 9.2 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 0.650 ug/L

RT: 4.609 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8

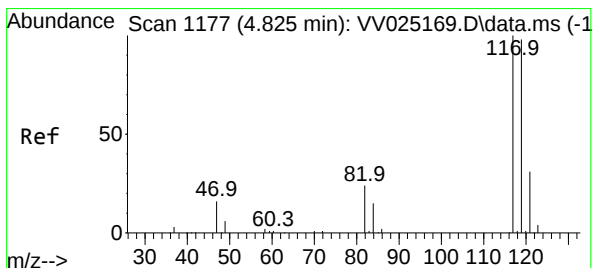
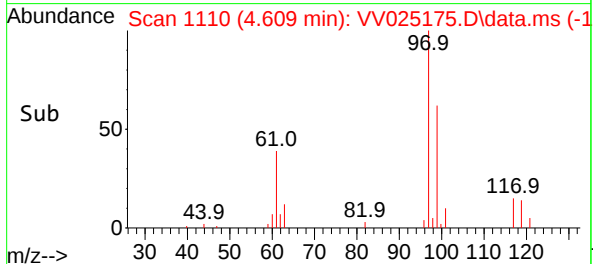
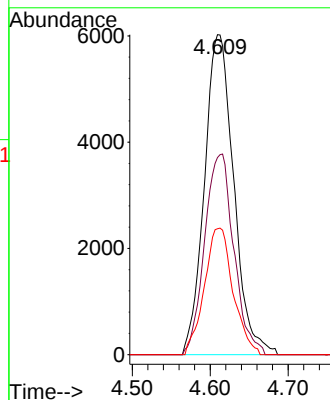
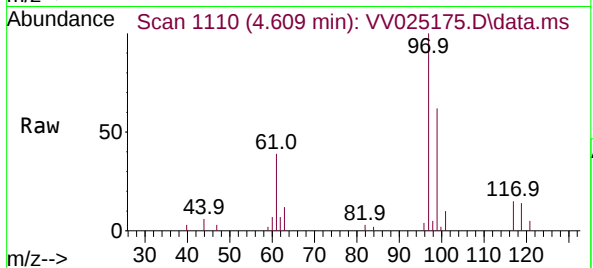
Tgt Ion: 97 Resp: 15756

Ion Ratio Lower Upper

97 100

99 62.4 50.7 76.1

61 38.7 32.4 48.6



#31

Carbon tetrachloride

Concen: 0.289 ug/L

RT: 4.834 min Scan# 1180

Delta R.T. 0.010 min

Lab File: VV025175.D

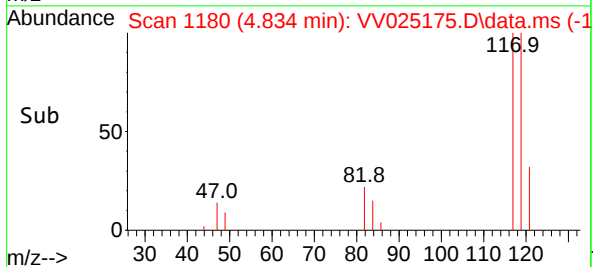
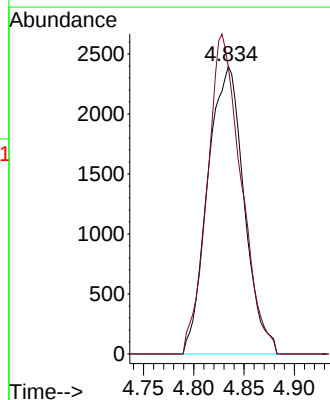
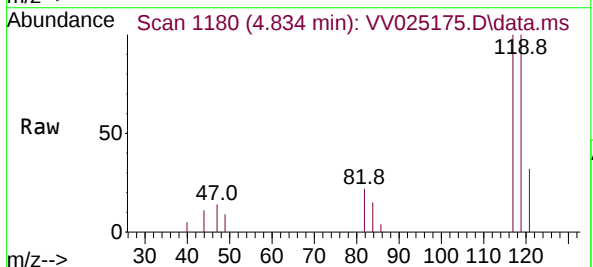
Acq: 25 Mar 2022 13:45

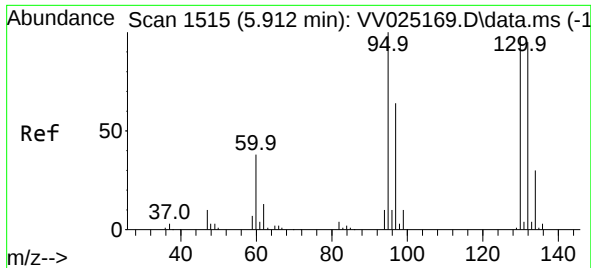
Tgt Ion: 117 Resp: 6010

Ion Ratio Lower Upper

117 100

119 103.8 76.8 115.2



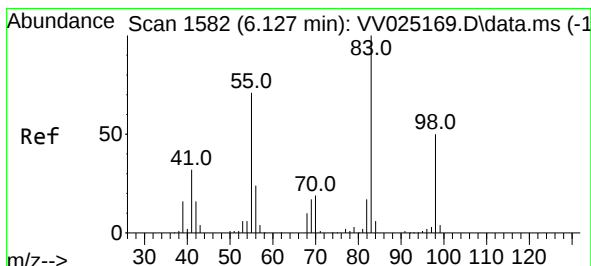
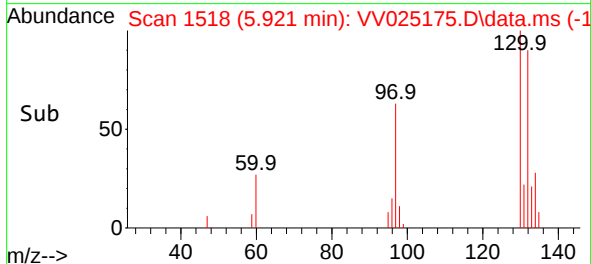
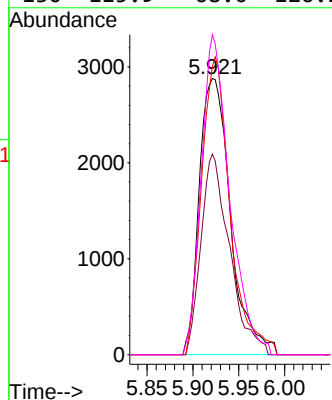
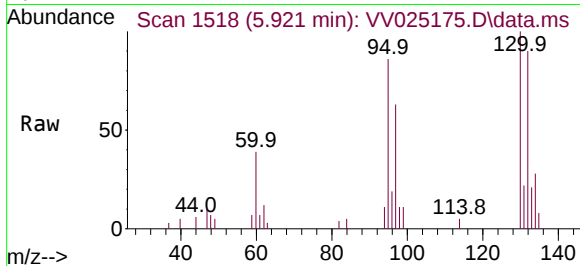


#34
Trichloroethene
Concen: 0.414 ug/L
RT: 5.921 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV025175.D
Acq: 25 Mar 2022 13:45

Instrument :
MSVOA_V
ClientSampleId :
EW5Z8

Tgt Ion: 95 Resp: 6815

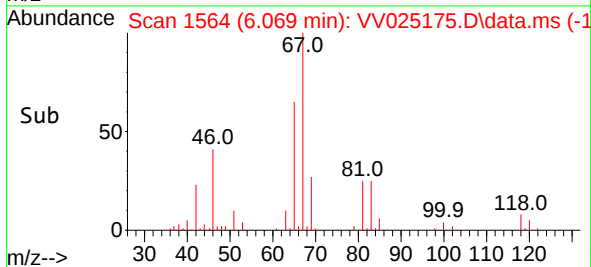
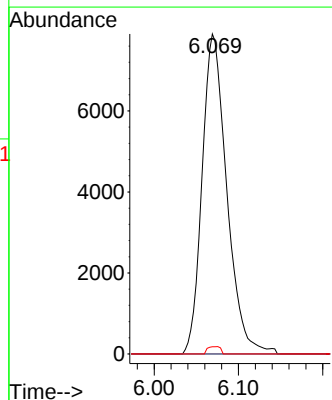
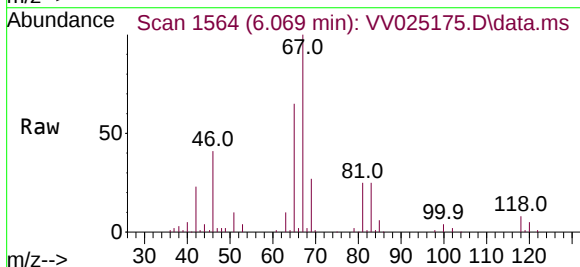
Ion	Ratio	Lower	Upper
95	100		
97	72.7	44.5	82.7
132	104.3	66.5	123.5
130	115.9	68.0	126.2

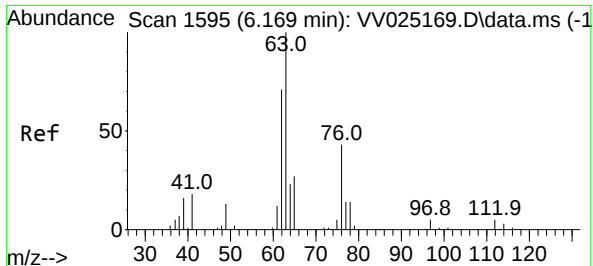


#35
Methylcyclohexane
Concen: 0.619 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV025175.D
Acq: 25 Mar 2022 13:45

Tgt Ion: 83 Resp: 16130

Ion	Ratio	Lower	Upper
83	100		
55	0.0	55.4	83.0#
98	1.2	38.4	57.6#





#37

1,2-Dichloropropane

Concen: 0.479 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.097 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

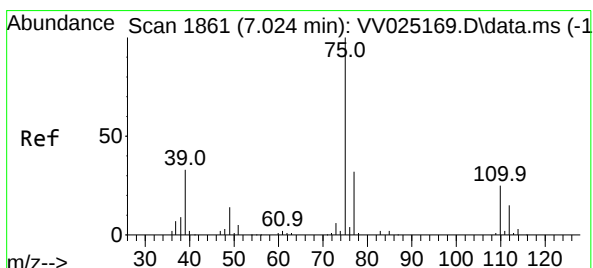
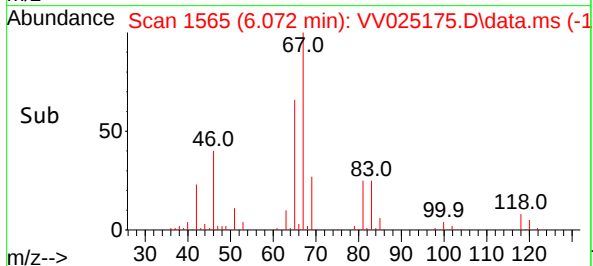
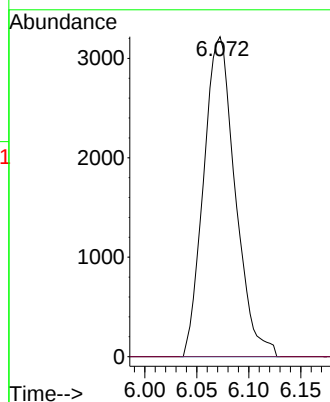
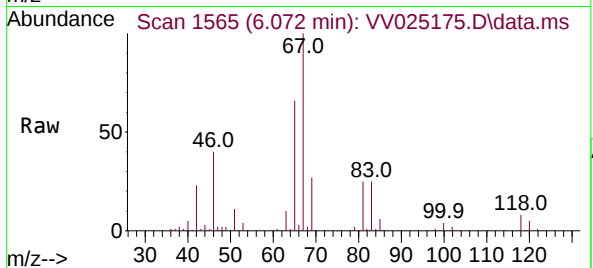
EW5Z8

Tgt Ion: 63 Resp: 6797

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025175.D

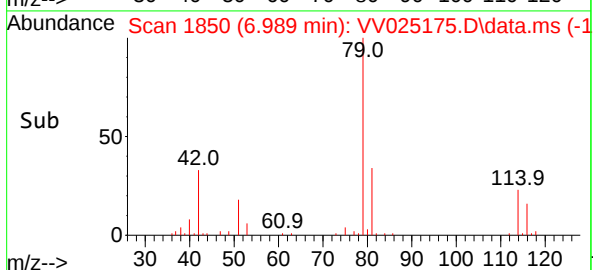
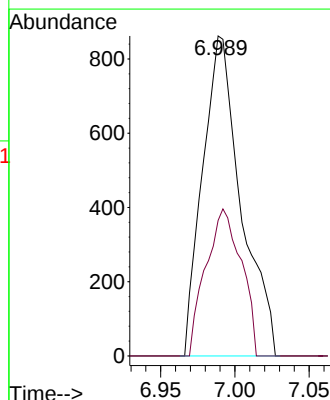
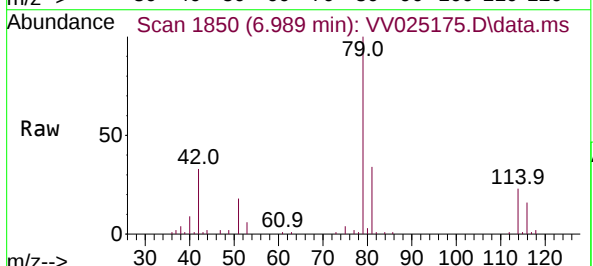
Acq: 25 Mar 2022 13:45

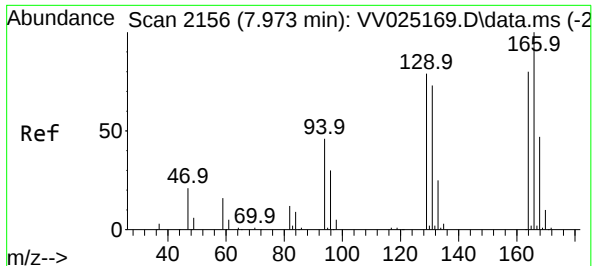
Tgt Ion: 75 Resp: 1547

Ion Ratio Lower Upper

75 100

77 42.3 23.0 42.8





#47

Tetrachloroethene

Concen: 0.390 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV025175.D

Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8

Tgt Ion:164 Resp: 4512

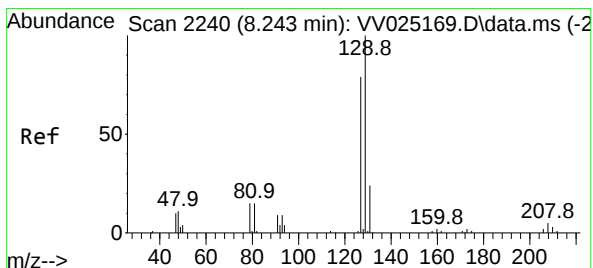
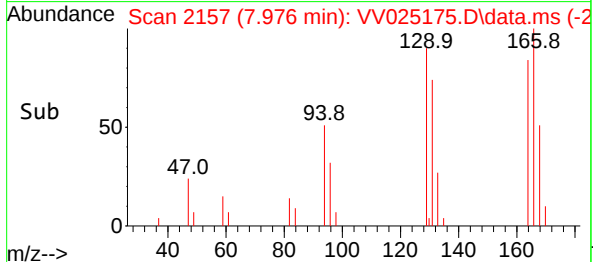
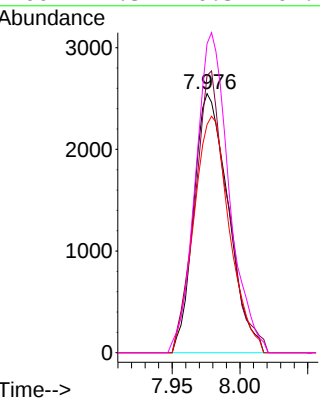
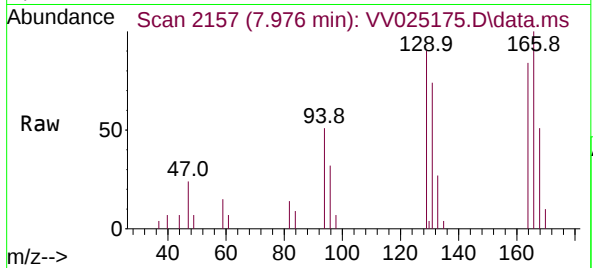
Ion Ratio Lower Upper

164 100

129 107.0 70.3 130.7

131 88.1 69.4 129.0

166 119.3 90.3 167.7



#49

Dibromochloromethane

Concen: 0.441 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.264 min

Lab File: VV025175.D

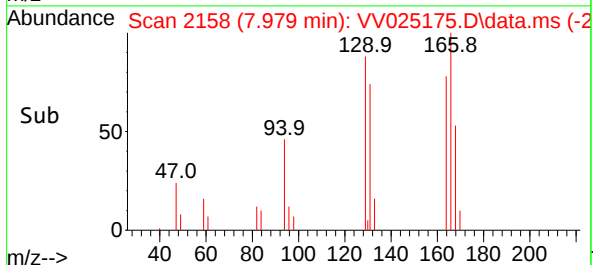
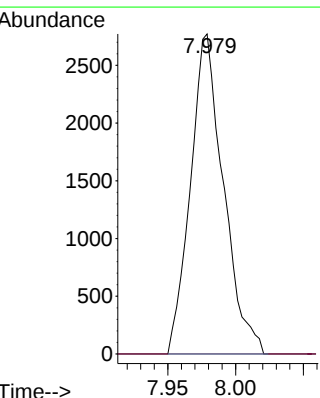
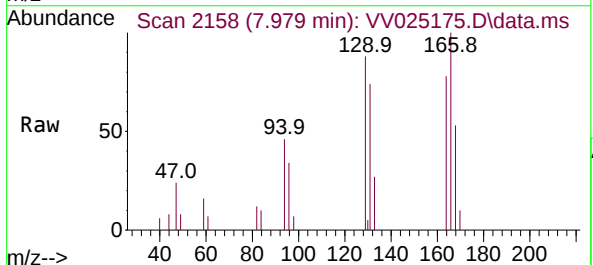
Acq: 25 Mar 2022 13:45

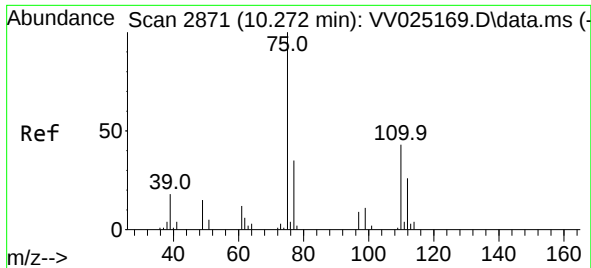
Tgt Ion:129 Resp: 4686

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#





#61

1,2,3-Trichloropropane

Concen: 1.335 ug/L

RT: 11.249 min Scan# 31

Delta R.T. 0.977 min

Lab File: VV025175.D

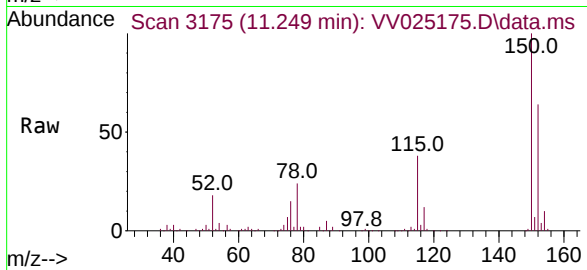
Acq: 25 Mar 2022 13:45

Instrument :

MSVOA_V

ClientSampleId :

EW5Z8



Tgt Ion: 75	Resp:	9220
Ion	Ratio	Lower Upper
75	100	
77	30.9	25.7 38.5
110	1.1	31.2 46.8#

