

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041322\
 Data File : VW025500.D
 Acq On : 13 Apr 2022 18:20
 Operator : SY/MD
 Sample : N2356-17
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 14 03:12:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 14 03:09:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	135499	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	135997	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60443	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	65508	5.200	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.000%
7) Chloroethane-d5	1.571	69	59450	4.436	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.111	63	100583	3.986	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	3.896	46	74343	48.515	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.040%
24) Chloroform-d	4.352	84	90567	4.758	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
26) 1,2-Dichloroethane-d4	5.034	65	41060	5.006	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.053	84	185750	4.721	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
36) 1,2-Dichloropropane-d6	6.072	67	53234	4.851	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.000%
41) Toluene-d8	7.317	98	159324	4.363	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.629	79	14373	3.897	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.092	63	53450	41.288	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	32350	4.666	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	49030	4.838	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	6610	0.440	ug/L	86
9) Trichlorofluoromethane	1.995	101	1611	0.076	ug/L	93
12) 1,1-Dichloroethene	2.121	96	2703	0.230	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	3015	0.166	ug/L #	81
18) trans-1,2-Dichloroethene	2.767	96	11563	1.174	ug/L	94
19) 1,1-Dichloroethane	3.201	63	2275	0.136	ug/L	100
22) cis-1,2-Dichloroethene	3.912	96	849900	81.975	ug/L	96
25) Chloroform	4.378	83	7571	0.430	ug/L	97
27) 1,2-Dichloroethane	5.143	62	15193	1.635	ug/L	95
29) 1,1,1-Trichloroethane	4.616	97	7828	0.488	ug/L	95
31) Carbon tetrachloride	4.616	117	1094	0.081	ug/L	89
33) Benzene	5.108	78	5356	0.133	ug/L	100
34) Trichloroethene	5.912	95	1946848	182.515	ug/L	97
35) Methylcyclohexane	6.072	83	13548	0.796	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	5899	0.635	ug/L #	87
47) Tetrachloroethene	7.976	164	13923	1.667	ug/L	96
49) Dibromochloromethane	7.976	129	13760	2.014	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	7271	1.826	ug/L #	60

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR040822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Apr 14 03:09:10 2022
Response via : Initial Calibration

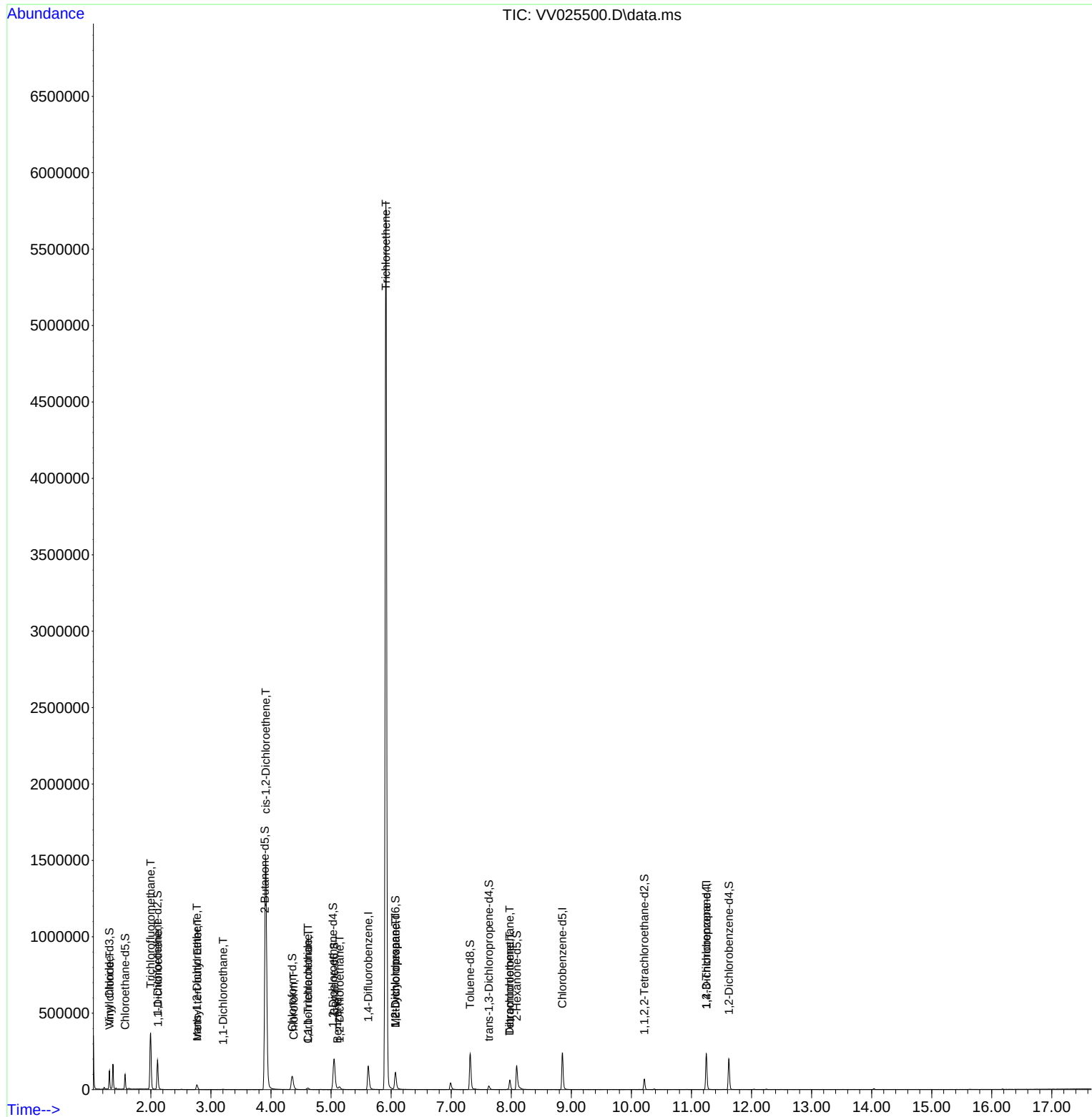
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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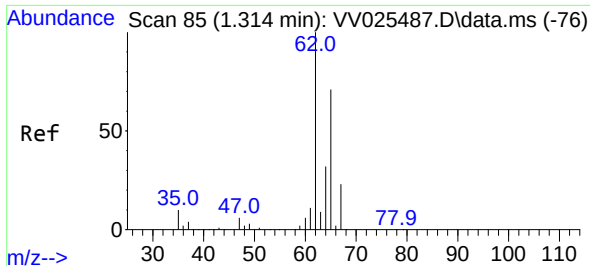
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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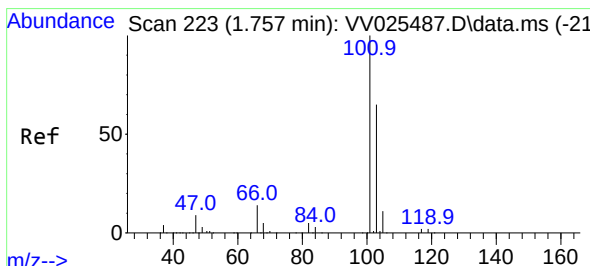
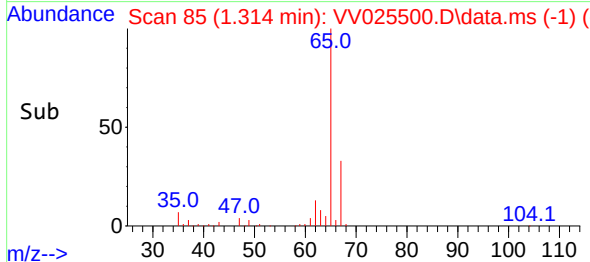
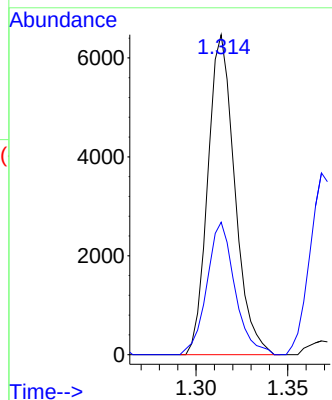
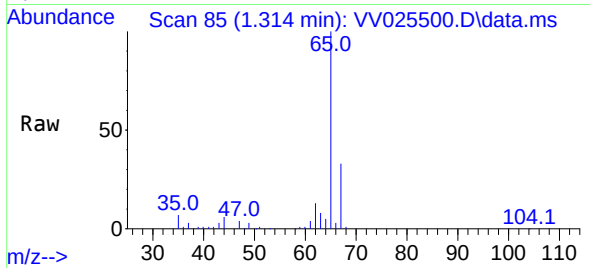




#5
 Vinyl chloride
 Concen: 0.440 ug/L
 RT: 1.314 min Scan# 85
 Delta R.T. 0.000 min
 Lab File: VV025500.D
 Acq: 13 Apr 2022 18:20

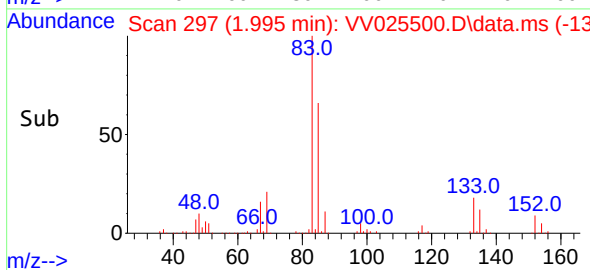
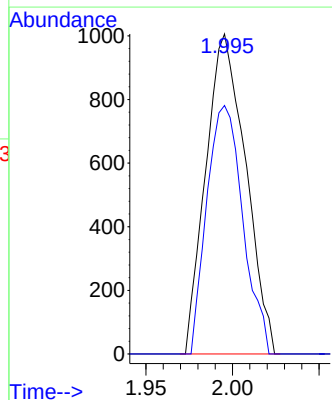
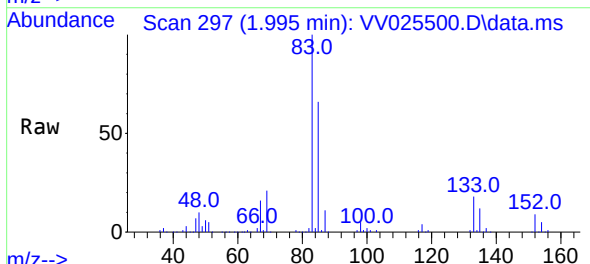
Instrument :
 MSVOA_V
 ClientSampleId :

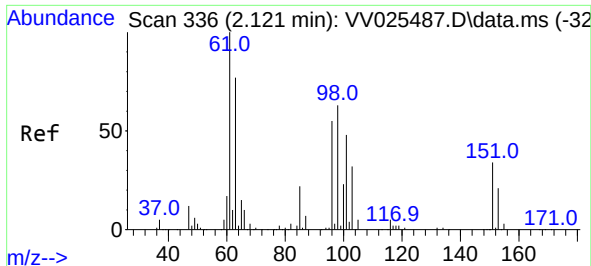
Tgt Ion: 62 Resp: 6610
 Ion Ratio Lower Upper
 62 100
 64 41.4 23.2 43.2



#9
 Trichlorofluoromethane
 Concen: 0.076 ug/L
 RT: 1.995 min Scan# 297
 Delta R.T. 0.238 min
 Lab File: VV025500.D
 Acq: 13 Apr 2022 18:20

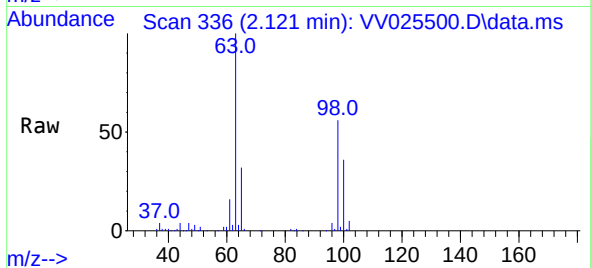
Tgt Ion: 101 Resp: 1611
 Ion Ratio Lower Upper
 101 100
 103 70.2 51.9 77.9



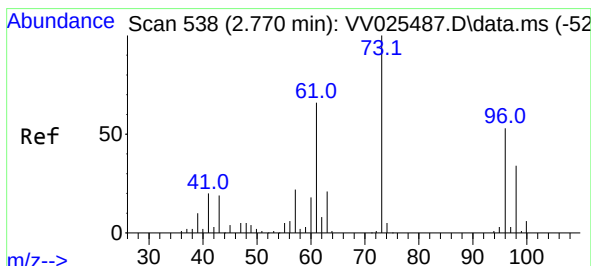
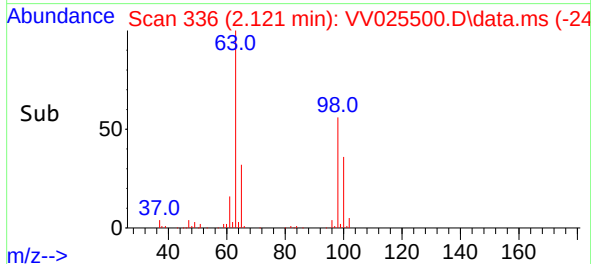
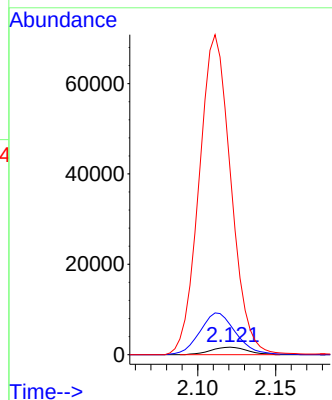


#12
1,1-Dichloroethene
Concen: 0.230 ug/L
RT: 2.121 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

Instrument :
MSVOA_V
ClientSampleId :

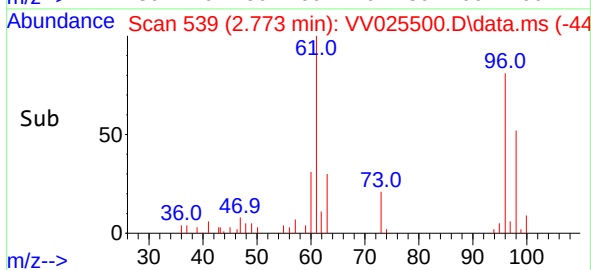
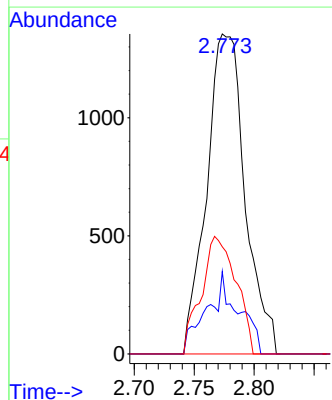
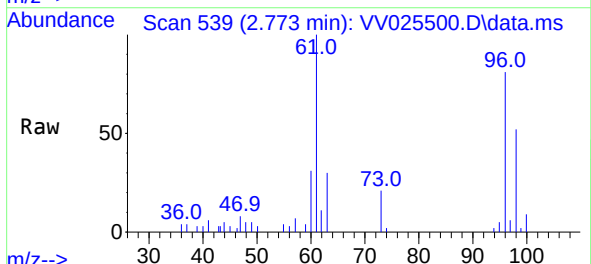


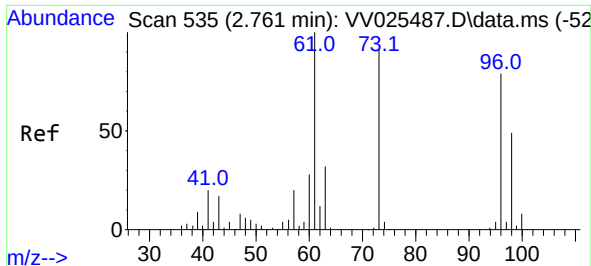
Tgt Ion: 96 Resp: 2703
Ion Ratio Lower Upper
96 100
61 397.1 125.2 232.4#
63 2451.0 114.4 212.4#



#17
Methyl tert-butyl Ether
Concen: 0.166 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

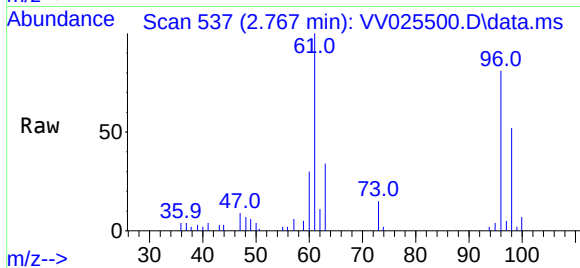
Tgt Ion: 73 Resp: 3015
Ion Ratio Lower Upper
73 100
43 21.1 14.2 21.4
57 33.3 16.1 24.1#



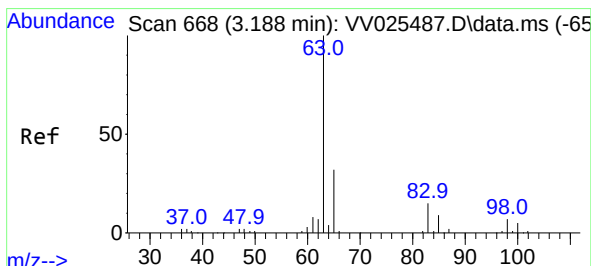
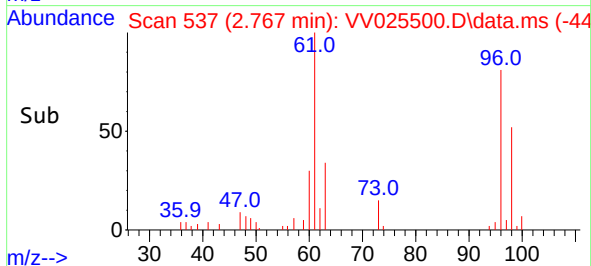
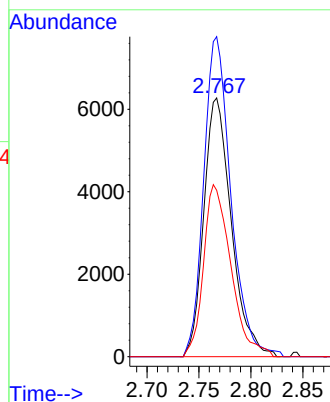


#18
trans-1,2-Dichloroethene
Concen: 1.174 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

Instrument :
MSVOA_V
ClientSampleId :

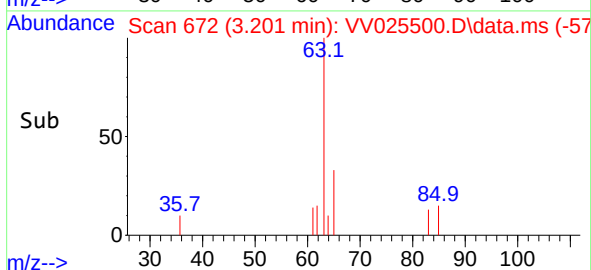
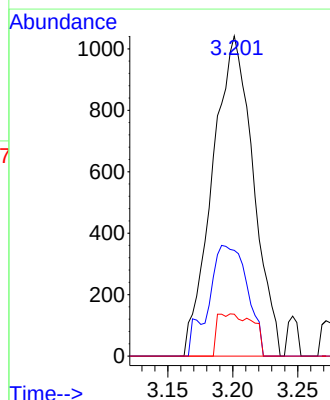
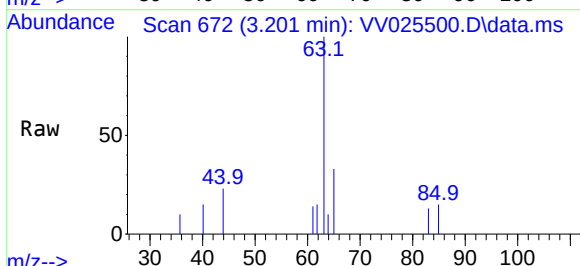


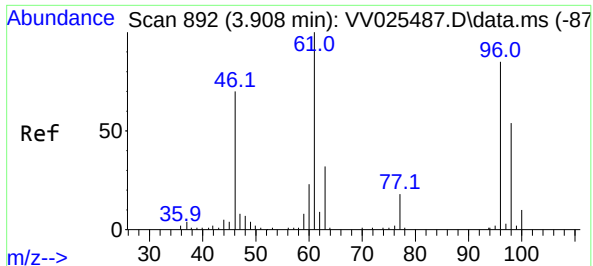
Tgt Ion: 96 Resp: 11563
Ion Ratio Lower Upper
96 100
61 123.7 92.1 171.1
98 64.3 47.5 88.1



#19
1,1-Dichloroethane
Concen: 0.136 ug/L
RT: 3.201 min Scan# 672
Delta R.T. 0.013 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

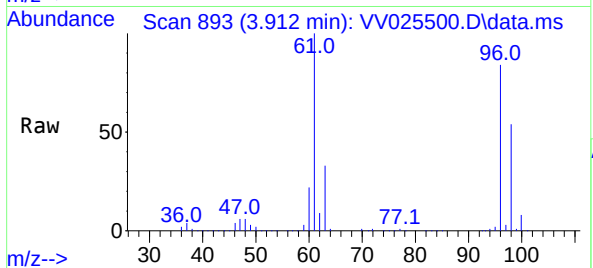
Tgt Ion: 63 Resp: 2275
Ion Ratio Lower Upper
63 100
65 33.0 23.2 43.0
83 13.1 9.0 16.8





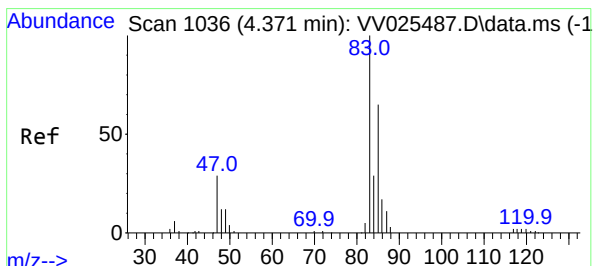
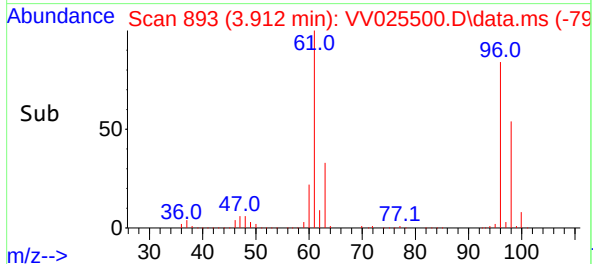
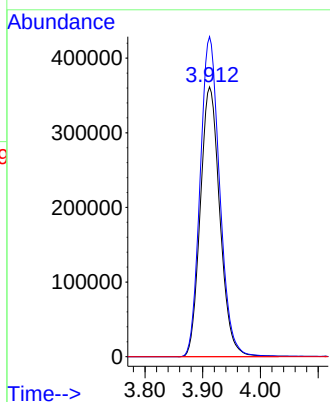
#22
 cis-1,2-Dichloroethene
 Concen: 81.975 ug/L
 RT: 3.912 min Scan# 892
 Delta R.T. 0.003 min
 Lab File: VV025500.D
 Acq: 13 Apr 2022 18:20

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 849900

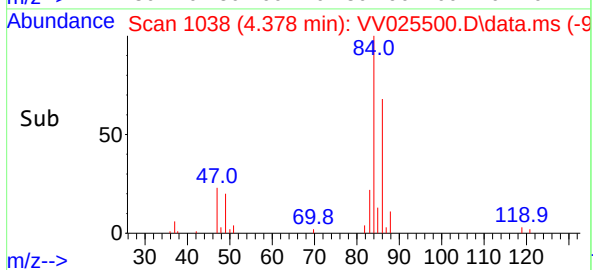
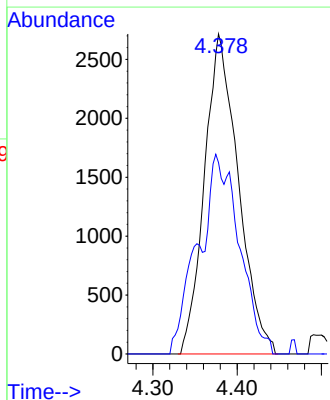
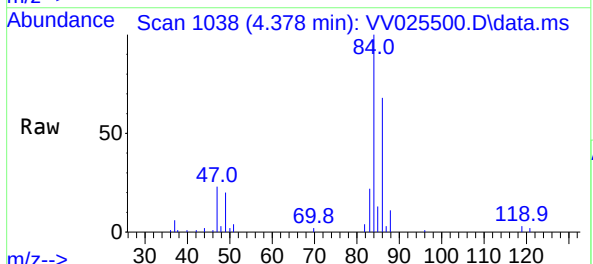
Ion	Ratio	Lower	Upper
96	100		
61	118.6	80.0	148.6
68	0.0	0.0	0.0

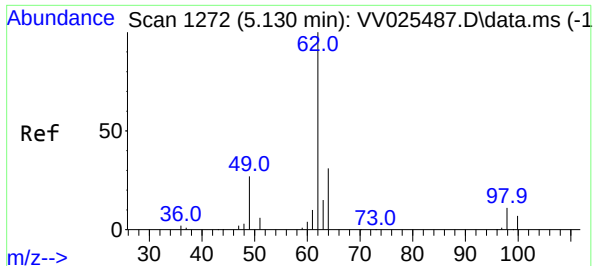


#25
 Chloroform
 Concen: 0.430 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.007 min
 Lab File: VV025500.D
 Acq: 13 Apr 2022 18:20

Tgt Ion: 83 Resp: 7571

Ion	Ratio	Lower	Upper
83	100		
85	59.8	43.5	80.7





#27

1,2-Dichloroethane

Concen: 1.635 ug/L

RT: 5.143 min Scan# 1112

Delta R.T. 0.013 min

Lab File: VV025500.D

Acq: 13 Apr 2022 18:20

Instrument :

MSVOA_V

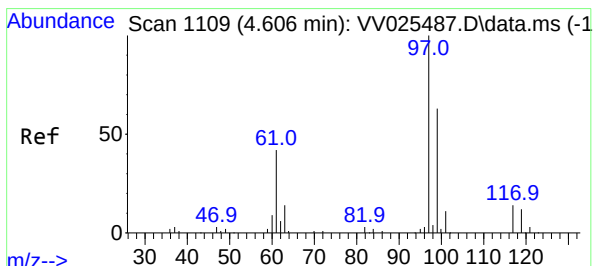
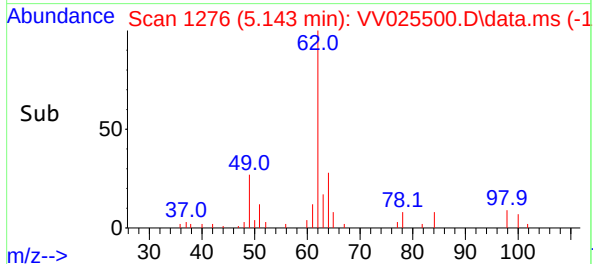
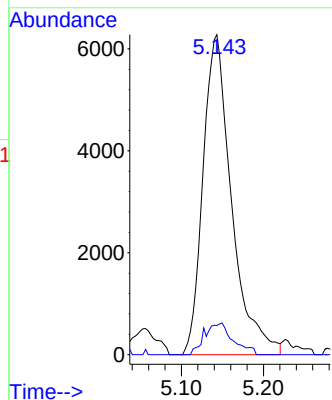
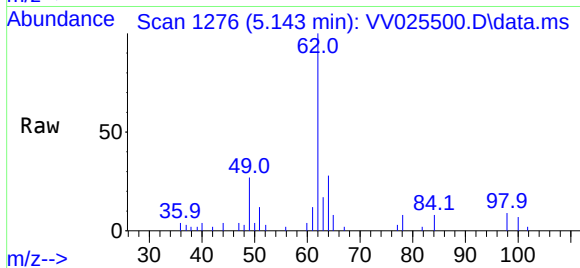
ClientSampleId :

Tgt Ion: 62 Resp: 15193

Ion Ratio Lower Upper

62 100

98 9.1 8.8 13.2



#29

1,1,1-Trichloroethane

Concen: 0.488 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.010 min

Lab File: VV025500.D

Acq: 13 Apr 2022 18:20

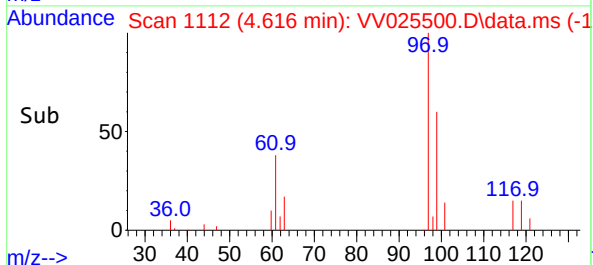
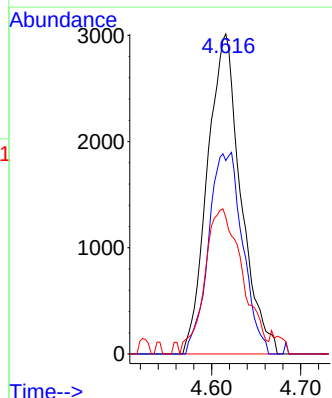
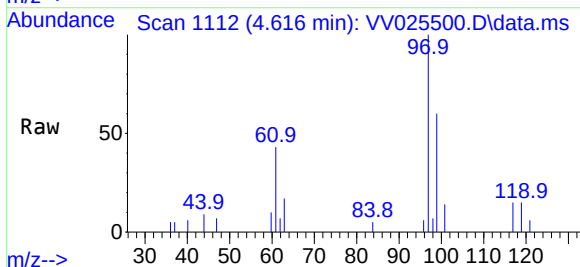
Tgt Ion: 97 Resp: 7828

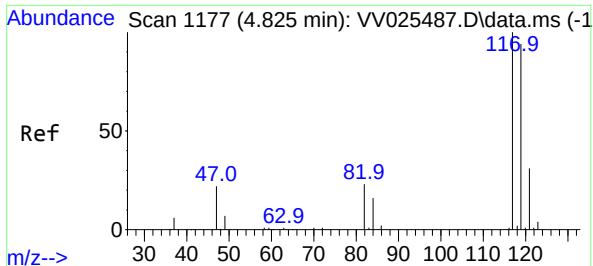
Ion Ratio Lower Upper

97 100

99 64.5 51.5 77.3

61 51.4 34.3 51.5

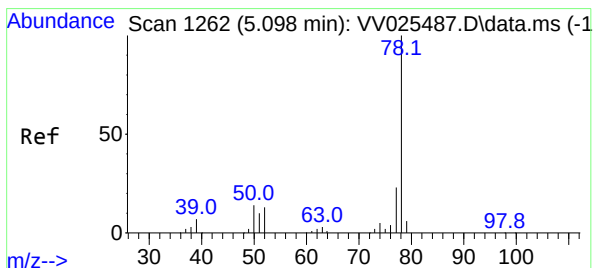
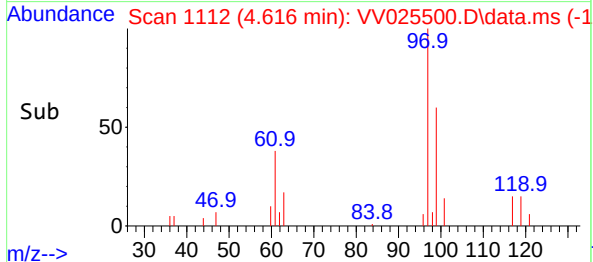
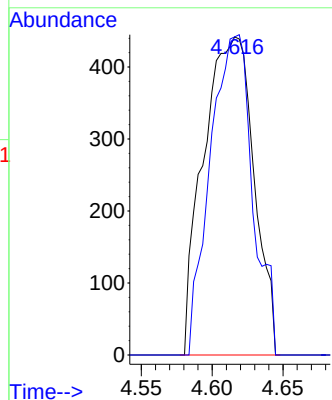
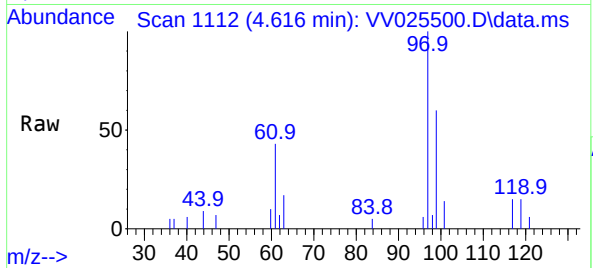




#31
Carbon tetrachloride
Concen: 0.081 ug/L
RT: 4.616 min Scan# 1177
Delta R.T. -0.209 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

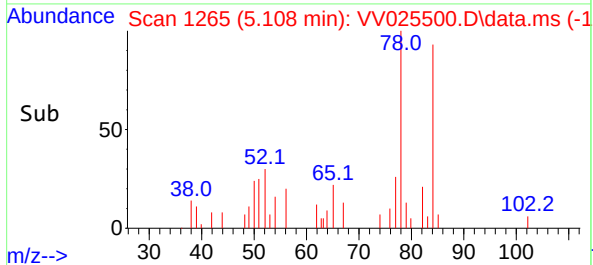
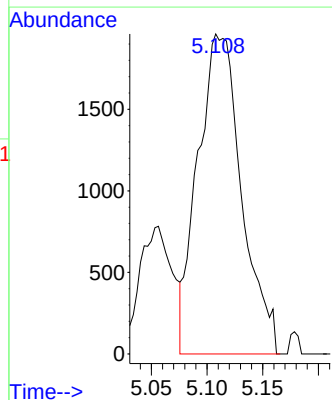
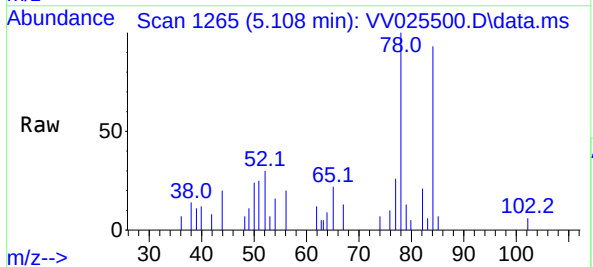
Instrument :
MSVOA_V
ClientSampleId :

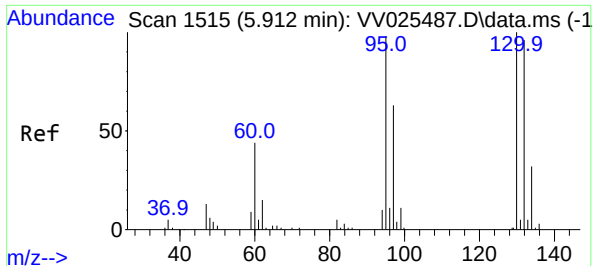
Tgt Ion:117 Resp: 1094
Ion Ratio Lower Upper
117 100
119 84.9 76.6 114.8



#33
Benzene
Concen: 0.133 ug/L
RT: 5.108 min Scan# 1265
Delta R.T. 0.010 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

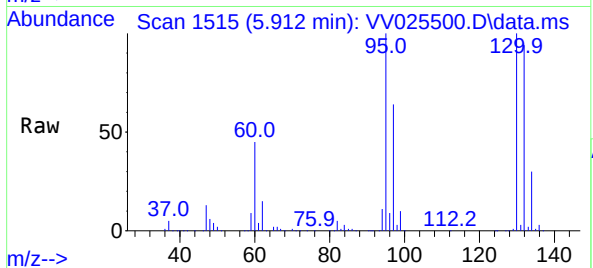
Tgt Ion: 78 Resp: 5356





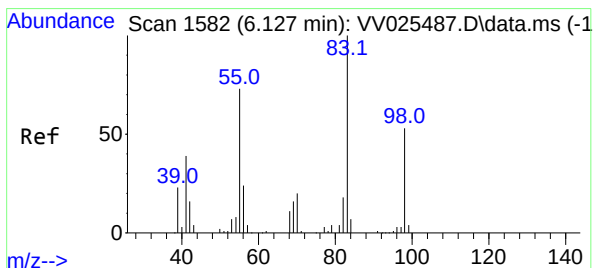
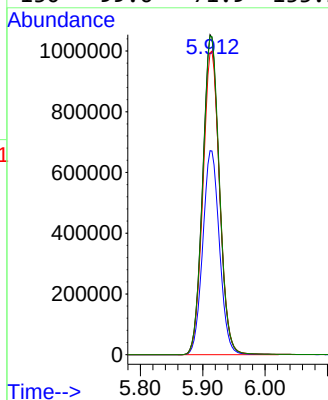
#34
Trichloroethene
Concen: 182.515 ug/L
RT: 5.912 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

Instrument :
MSVOA_V
ClientSampleId :

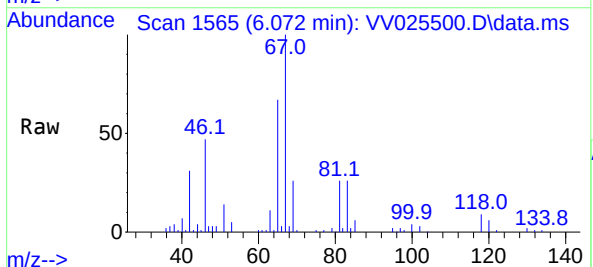


Tgt Ion: 95 Resp: 1946848

Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.8	85.2
132	94.4	68.0	126.4
130	99.6	71.9	133.5

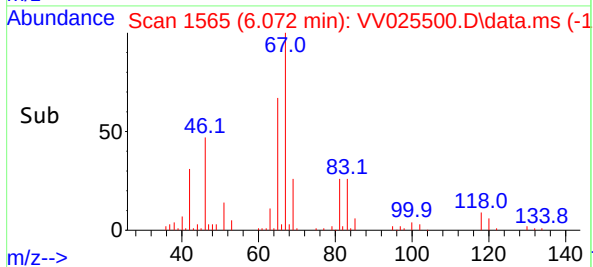
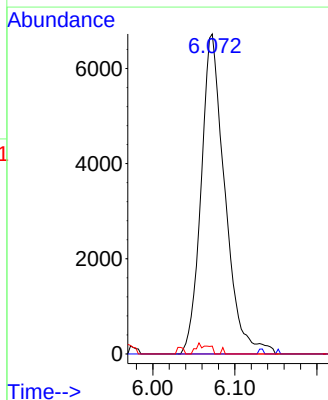


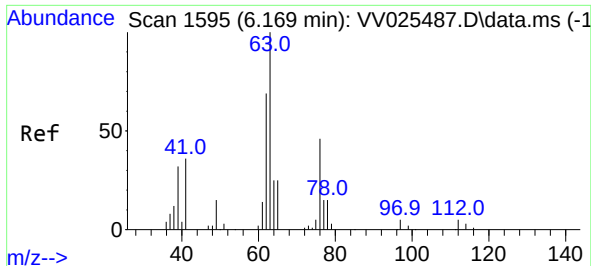
#35
Methylcyclohexane
Concen: 0.796 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20



Tgt Ion: 83 Resp: 13548

Ion	Ratio	Lower	Upper
83	100		
55	0.3	53.7	80.5#
98	0.0	39.6	59.4#

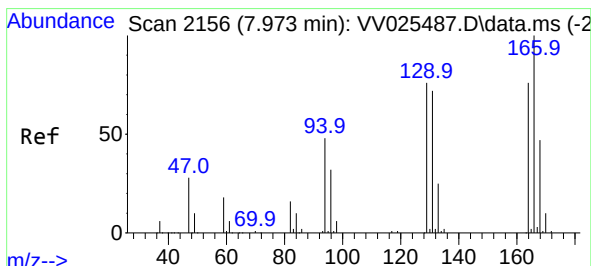
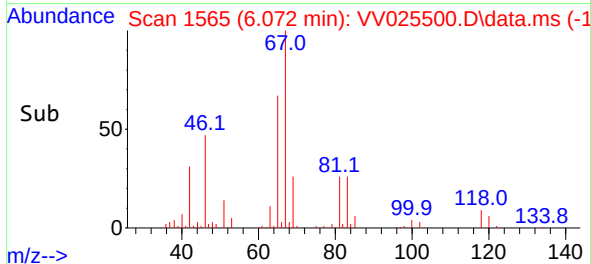
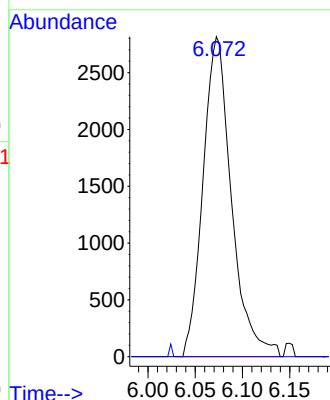
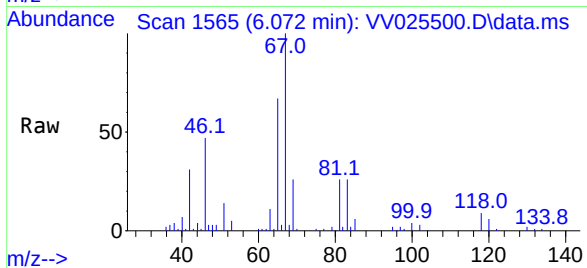




#37
1,2-Dichloropropane
Concen: 0.635 ug/L
RT: 6.072 min Scan# 11
Delta R.T. -0.096 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

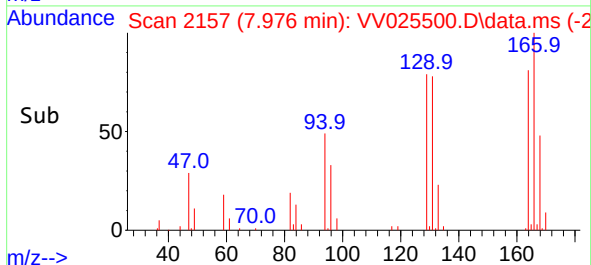
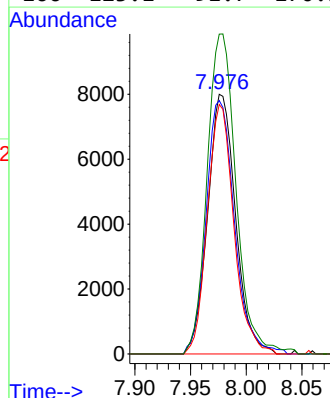
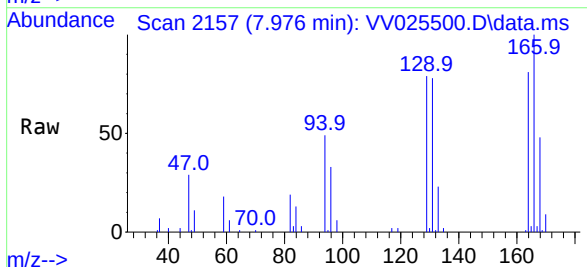
Instrument :
MSVOA_V
ClientSampleId :

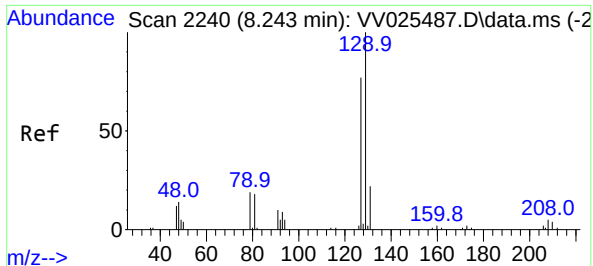
Tgt Ion: 63 Resp: 5899
Ion Ratio Lower Upper
63 100
112 0.4 3.8 5.8#



#47
Tetrachloroethene
Concen: 1.667 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV025500.D
Acq: 13 Apr 2022 18:20

Tgt Ion:164 Resp: 13923
Ion Ratio Lower Upper
164 100
129 97.6 66.8 124.2
131 96.0 66.4 123.4
166 123.1 91.7 170.3





#49

Dibromochloromethane

Concen: 2.014 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025500.D

Acq: 13 Apr 2022 18:20

Instrument :

MSVOA_V

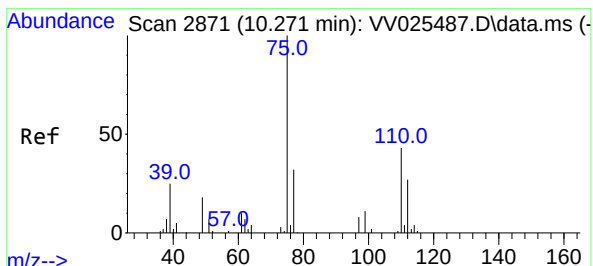
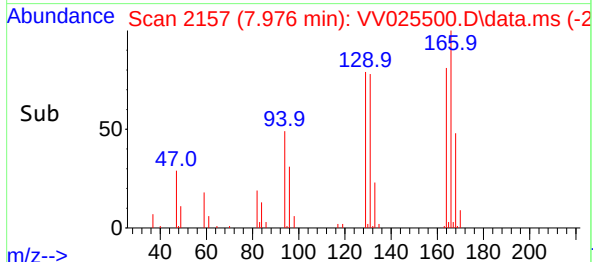
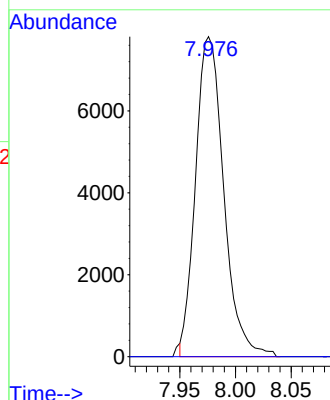
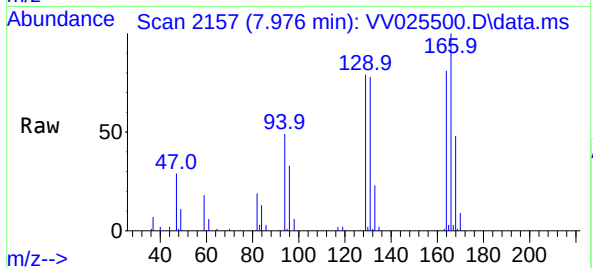
ClientSampleId :

Tgt Ion:129 Resp: 13760

Ion Ratio Lower Upper

129 100

127 0.0 53.8 100.0#



#61

1,2,3-Trichloropropane

Concen: 1.826 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025500.D

Acq: 13 Apr 2022 18:20

Tgt Ion: 75 Resp: 7271

Ion Ratio Lower Upper

75 100

77 37.5 25.6 38.4

110 3.1 34.7 52.1#

