

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100721\
 Data File : VW022670.D
 Acq On : 07 Oct 2021 18:17
 Operator : SY/MD
 Sample : M4051-18DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:03:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 08 04:01:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	107760	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	107962	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50108	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38015	5.127	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.600%
7) Chloroethane-d5	1.564	69	35911	5.390	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.800%
11) 1,1-Dichloroethene-d2	2.108	63	98465	6.770	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	135.400%#
20) 2-Butanone-d5	3.908	46	76833	39.523	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.040%
24) Chloroform-d	4.349	84	72836	4.767	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.034	65	35517	4.790	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.050	84	143963	4.479	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.069	67	44705	4.697	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.000%
41) Toluene-d8	7.317	98	121189	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.625	79	13164	4.169	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.095	63	57056	44.841	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.680%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	29468	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	47049	5.064	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						
5) Vinyl chloride	1.304	62	410	0.050	ug/L #	1
6) Bromomethane	1.516	94	288	0.057	ug/L	81
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	776	0.112	ug/L #	24
12) 1,1-Dichloroethene	2.114	96	80942	12.435	ug/L #	73
16) Methylene chloride	2.506	84	5243	0.585	ug/L	91
19) 1,1-Dichloroethane	3.188	63	10873	0.853	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	40405	5.436	ug/L	92
29) 1,1,1-Trichloroethane	4.613	97	4693	0.381	ug/L	98
34) Trichloroethene	5.915	95	43504	5.502	ug/L	98
35) Methylcyclohexane	6.072	83	11467	1.035	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	5438	0.778	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	999	0.108	ug/L #	58
42) Toluene	7.397	91	2402	0.081	ug/L	95
45) 1,1,2-Trichloroethane	7.850	97	381	0.073	ug/L #	46
47) Tetrachloroethene	7.976	164	47531	7.433	ug/L	97
48) 2-Hexanone	8.149	43	7683	2.796	ug/L #	65
49) Dibromochloromethane	7.976	129	40084	6.598	ug/L #	7
61) 1,2,3-Trichloropropane	11.249	75	5375	1.544	ug/L #	61

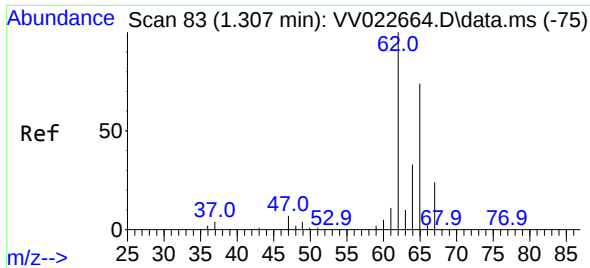
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100721\
Data File : VV022670.D
Acq On : 07 Oct 2021 18:17
Operator : SY/MD
Sample : M4051-18DL 5X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 08 04:03:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 08 04:01:59 2021
Response via : Initial Calibration

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

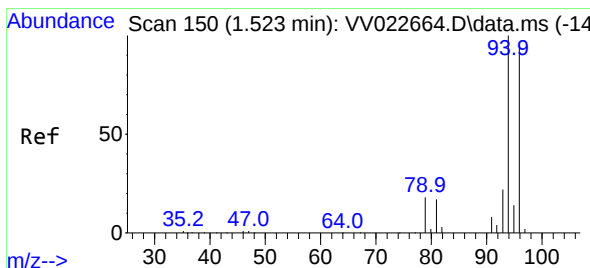
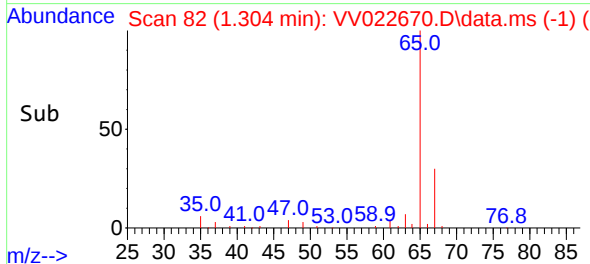
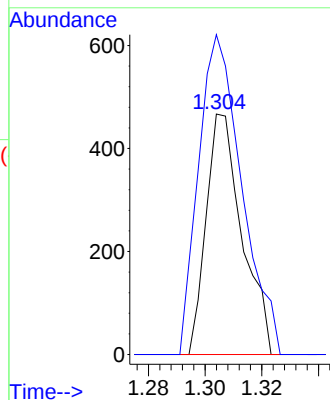
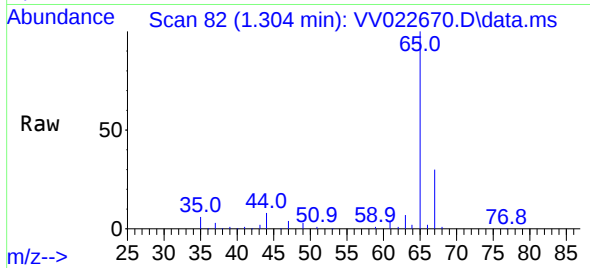
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.050 ug/L
 RT: 1.304 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VV022670.D
 Acq: 07 Oct 2021 18:17

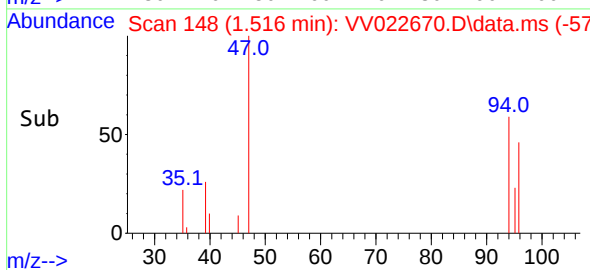
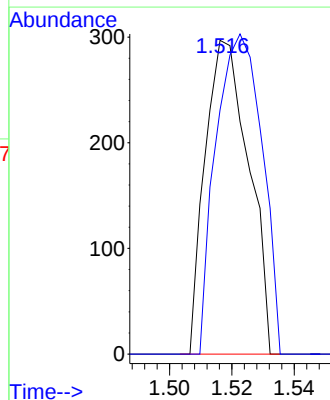
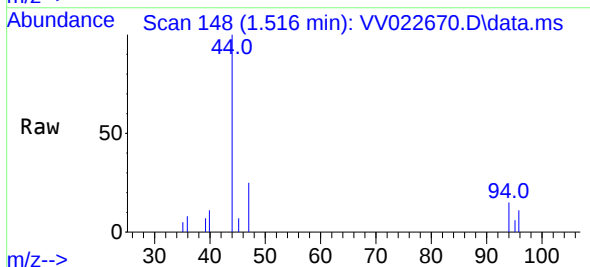
Instrument :
 MSVOA_V
 ClientSampled :

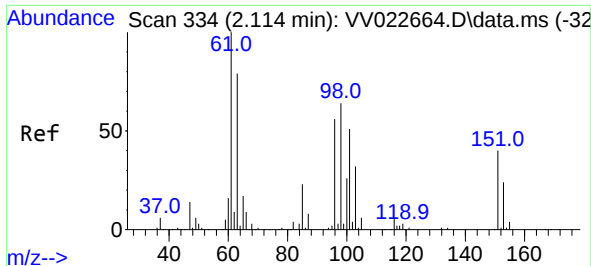
Tgt Ion: 62 Resp: 410
 Ion Ratio Lower Upper
 62 100
 64 133.0 23.0 42.8#



#6
 Bromomethane
 Concen: 0.057 ug/L
 RT: 1.516 min Scan# 148
 Delta R.T. -0.006 min
 Lab File: VV022670.D
 Acq: 07 Oct 2021 18:17

Tgt Ion: 94 Resp: 288
 Ion Ratio Lower Upper
 94 100
 96 77.8 67.2 124.8

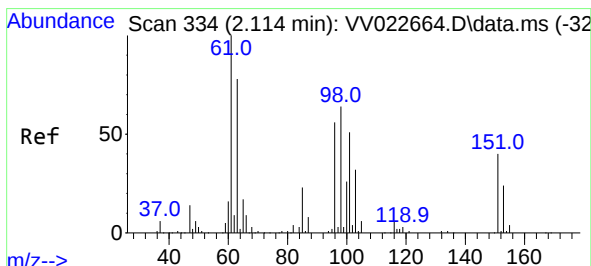
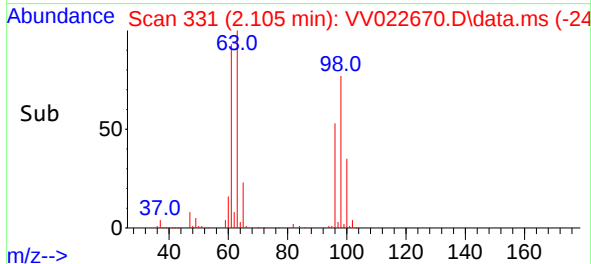
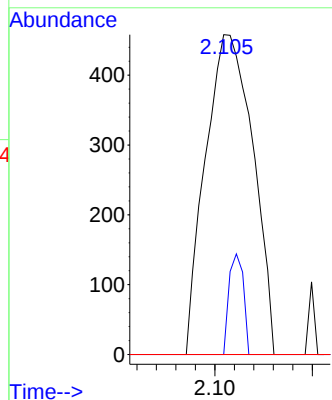
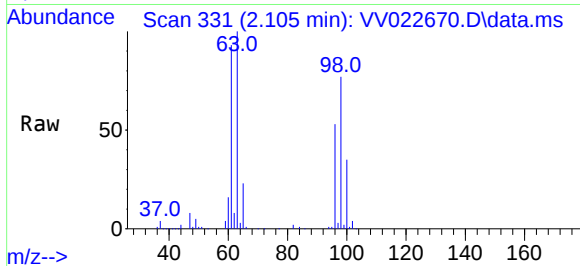




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.105 min Scan# 331
Delta R.T. -0.010 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

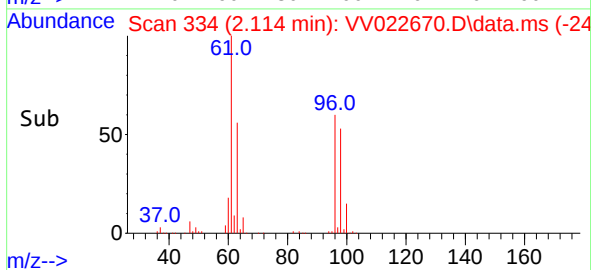
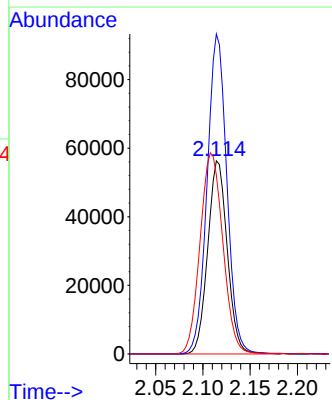
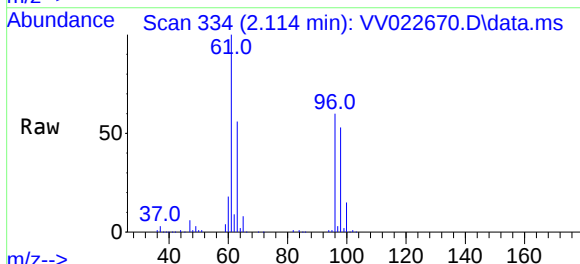
Instrument :
MSVOA_V
ClientSampleId :

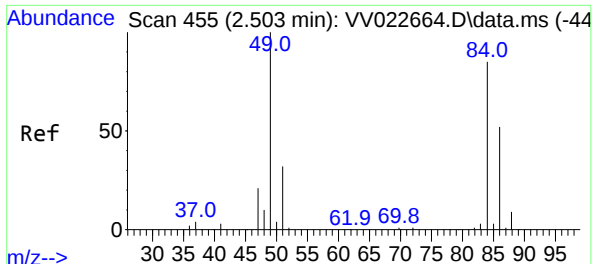
Tgt Ion:	101	Resp:	776
Ion	Ratio	Lower	Upper
101	100		
85	9.5	34.6	52.0#
151	0.0	60.9	91.3#



#12
1,1-Dichloroethene
Concen: 12.435 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.000 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

Tgt Ion:	96	Resp:	80942
Ion	Ratio	Lower	Upper
96	100		
61	165.7	127.3	236.5
63	92.7	106.2	197.2#

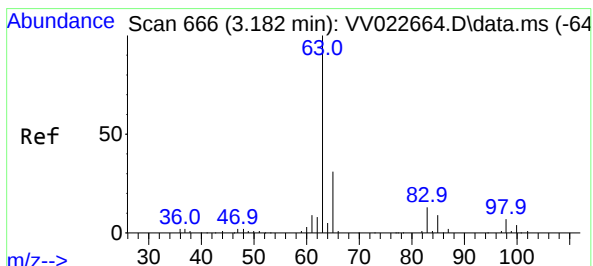
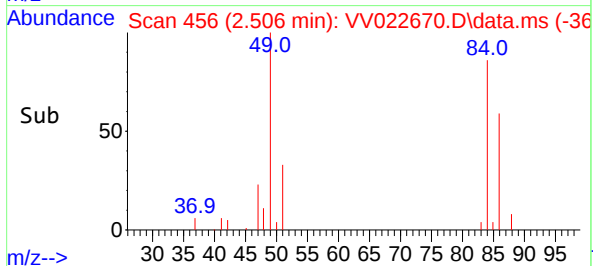
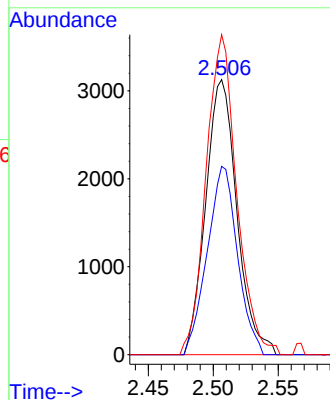
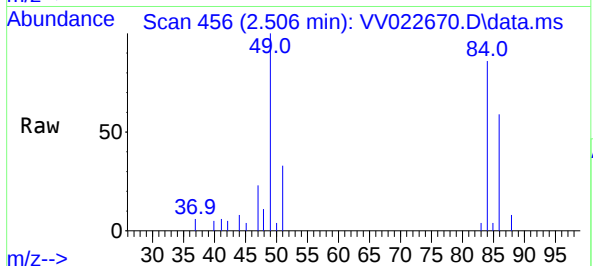




#16
Methylene chloride
Concen: 0.585 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

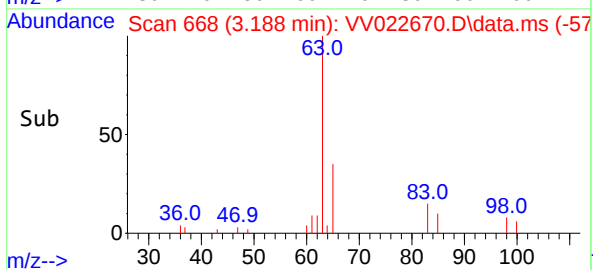
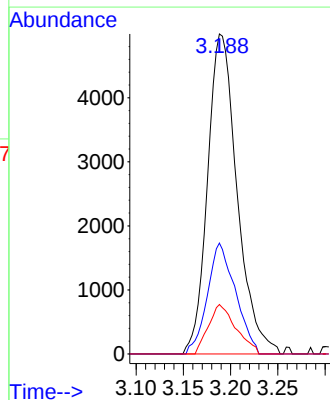
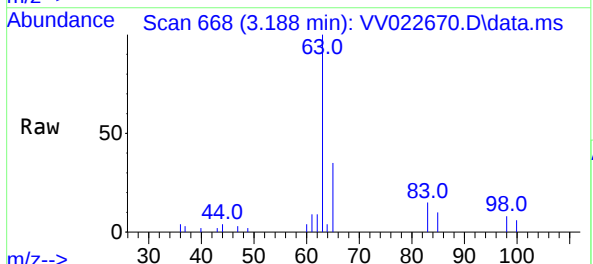
Instrument :
MSVOA_V
ClientSampleId :

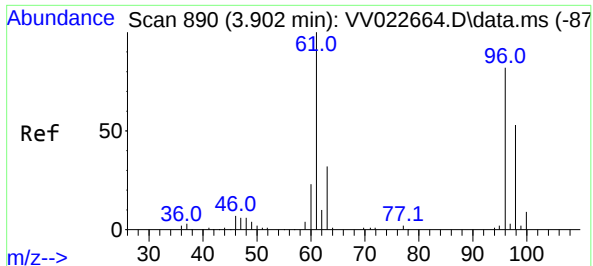
Tgt Ion: 84 Resp: 5243
Ion Ratio Lower Upper
84 100
86 68.5 45.8 85.2
49 116.3 90.3 167.7



#19
1,1-Dichloroethane
Concen: 0.853 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.006 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

Tgt Ion: 63 Resp: 10873
Ion Ratio Lower Upper
63 100
65 34.7 23.5 43.7
83 15.5 10.1 18.7



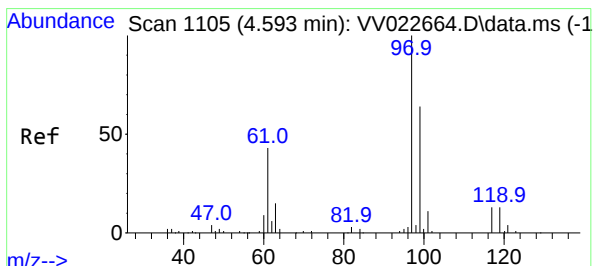
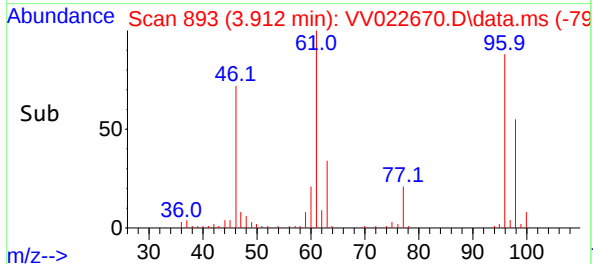
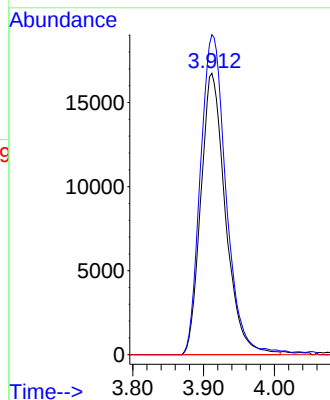
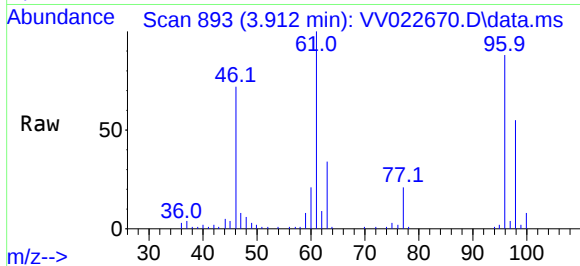


#22
 cis-1,2-Dichloroethene
 Concen: 5.436 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.010 min
 Lab File: VV022670.D
 Acq: 07 Oct 2021 18:17

Instrument :
 MSVOA_V
 ClientSampled :

Tgt Ion: 96 Resp: 40405

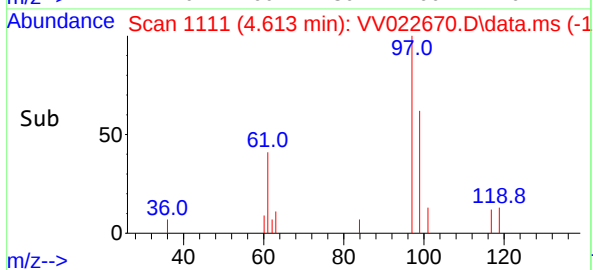
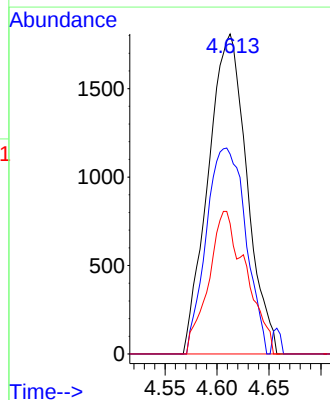
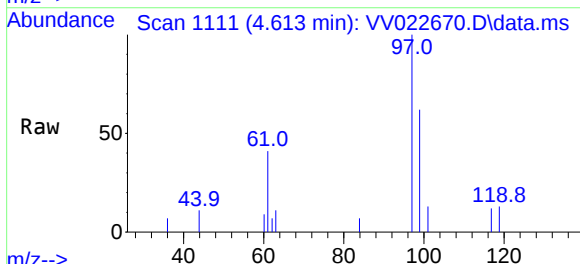
Ion	Ratio	Lower	Upper
96	100		
61	113.7	86.0	159.6
68	0.0	0.0	0.0

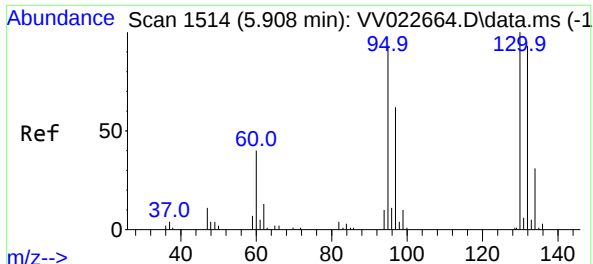


#29
 1,1,1-Trichloroethane
 Concen: 0.381 ug/L
 RT: 4.613 min Scan# 1111
 Delta R.T. 0.019 min
 Lab File: VV022670.D
 Acq: 07 Oct 2021 18:17

Tgt Ion: 97 Resp: 4693

Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.2	76.8
61	43.4	33.2	49.8





#34

Trichloroethene

Concen: 5.502 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VV022670.D

Acq: 07 Oct 2021 18:17

Tgt Ion: 95 Resp: 43504

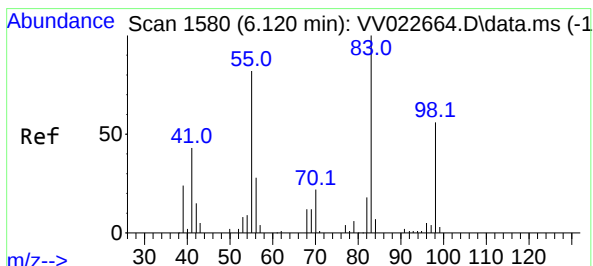
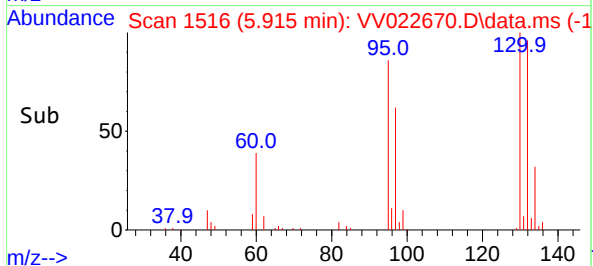
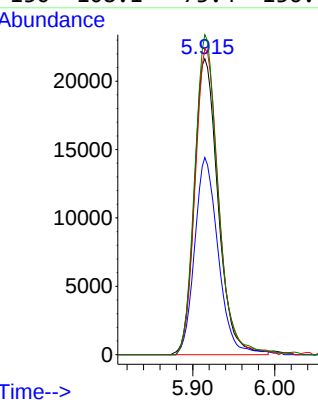
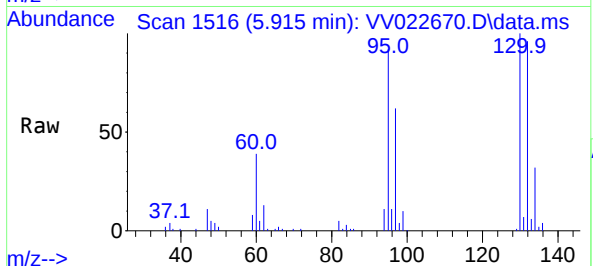
Ion Ratio Lower Upper

95 100

97 66.6 45.8 85.2

132 103.3 72.2 134.0

130 108.1 73.4 136.4



#35

Methylcyclohexane

Concen: 1.035 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.048 min

Lab File: VV022670.D

Acq: 07 Oct 2021 18:17

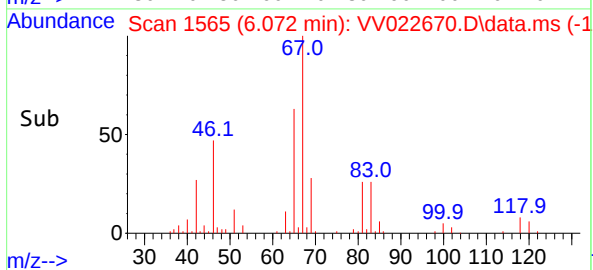
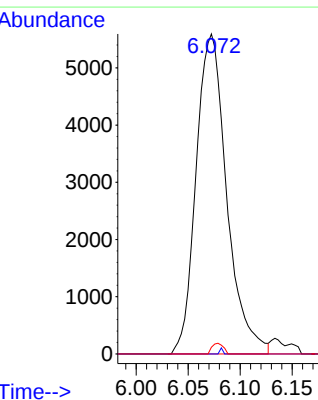
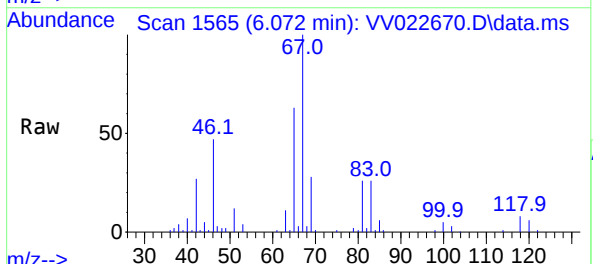
Tgt Ion: 83 Resp: 11467

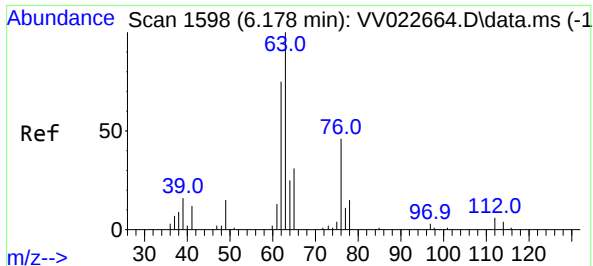
Ion Ratio Lower Upper

83 100

55 0.2 63.8 95.6#

98 1.2 42.1 63.1#

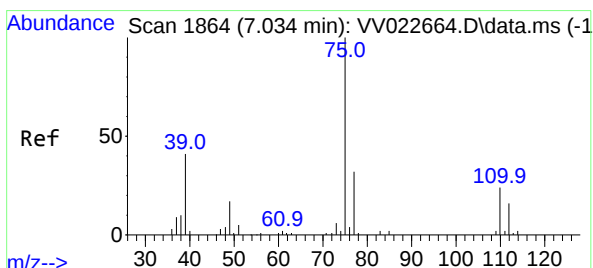
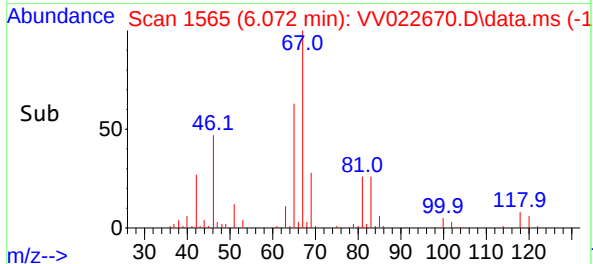
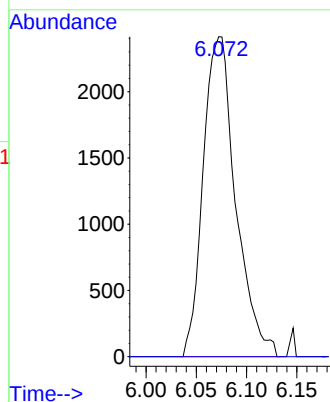
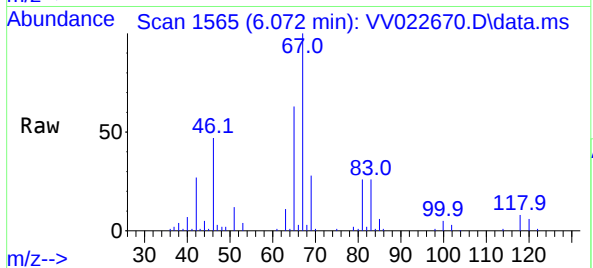




#37
1,2-Dichloropropane
Concen: 0.778 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.106 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

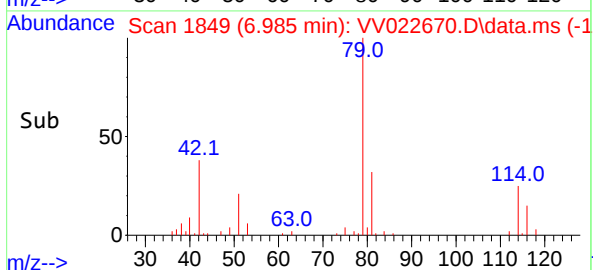
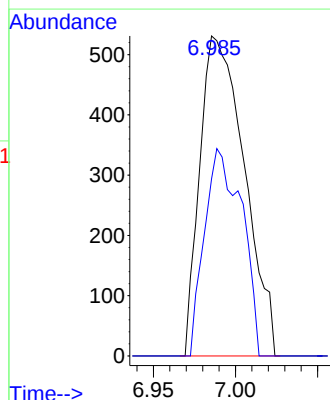
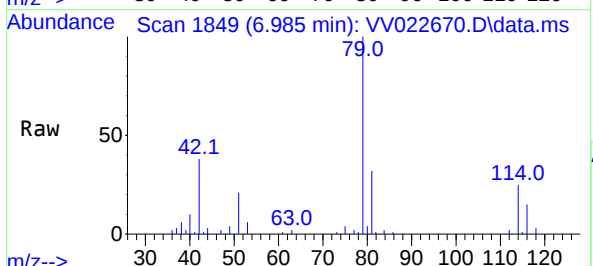
Instrument :
MSVOA_V
ClientSampled :

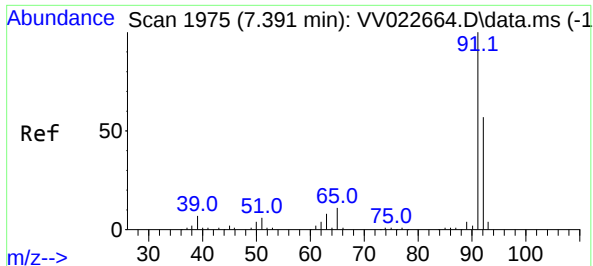
Tgt Ion: 63 Resp: 5438
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



#39
cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.048 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

Tgt Ion: 75 Resp: 999
Ion Ratio Lower Upper
75 100
77 55.4 22.3 41.3#

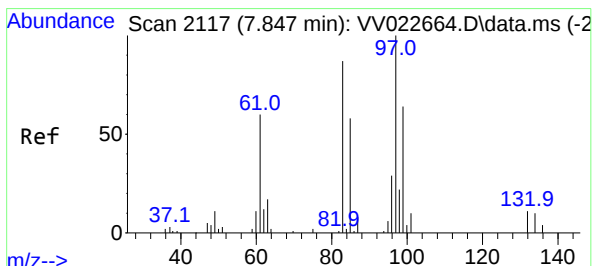
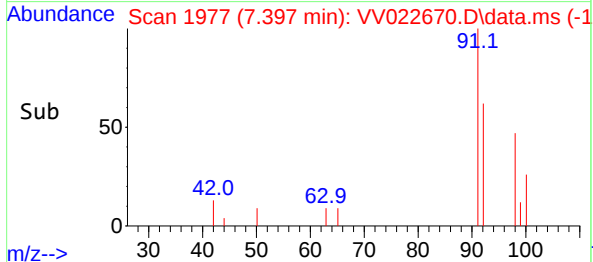
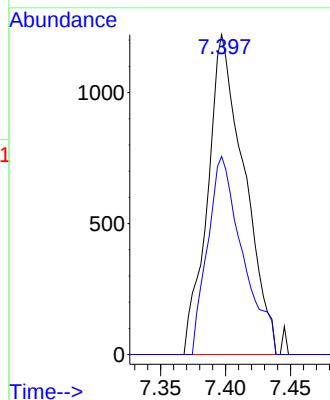
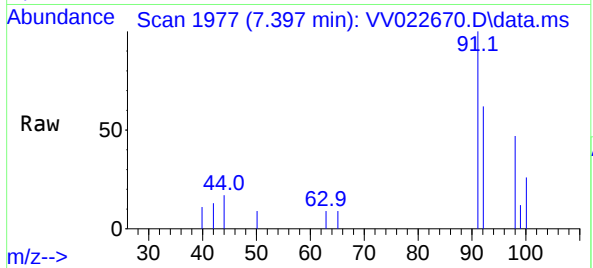




#42
Toluene
Concen: 0.081 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

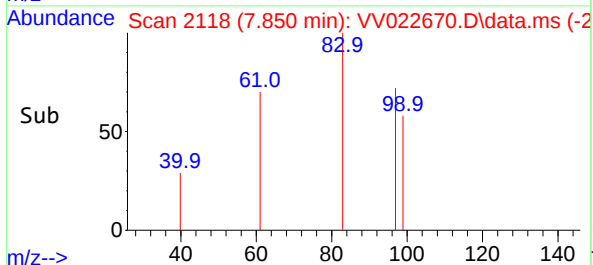
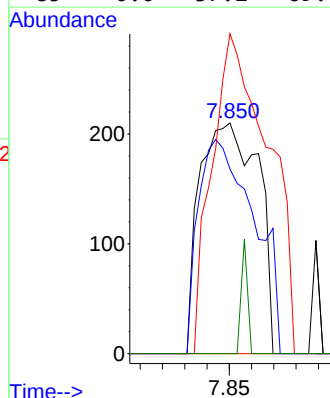
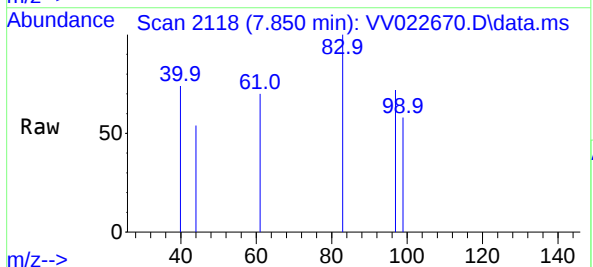
Instrument :
MSVOA_V
ClientSampled :

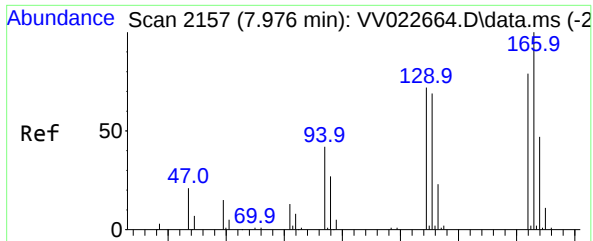
Tgt Ion: 91 Resp: 2402
Ion Ratio Lower Upper
91 100
92 61.9 40.7 75.7



#45
1,1,2-Trichloroethane
Concen: 0.073 ug/L
RT: 7.850 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

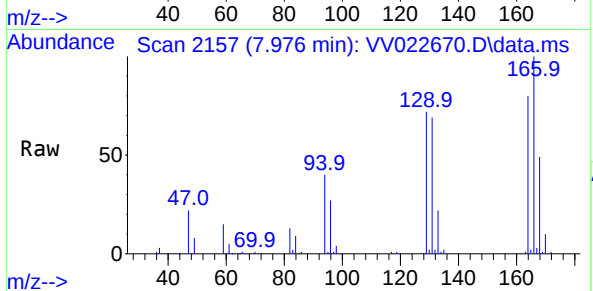
Tgt Ion: 97 Resp: 381
Ion Ratio Lower Upper
97 100
99 80.0 44.5 82.7
83 138.6 56.6 105.0#
85 0.0 37.2 69.0#





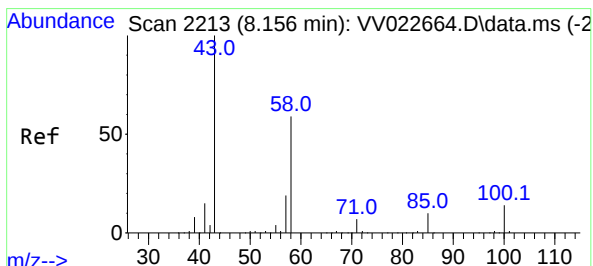
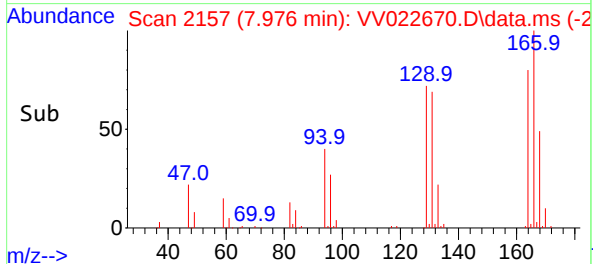
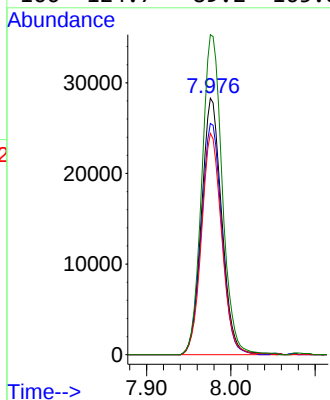
#47
Tetrachloroethene
Concen: 7.433 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17

Instrument :
MSVOA_V
ClientSampleId :

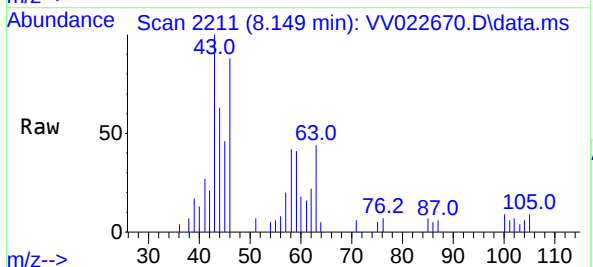


Tgt Ion:164 Resp: 47531

Ion	Ratio	Lower	Upper
164	100		
129	90.1	65.0	120.6
131	86.3	62.2	115.4
166	124.7	89.2	165.8

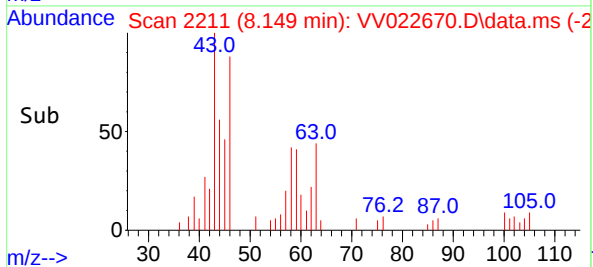
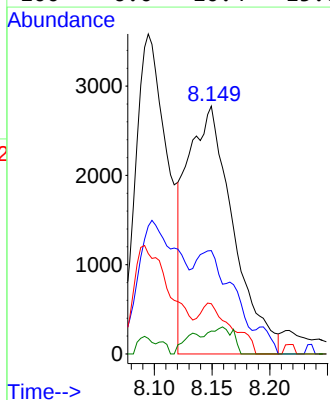


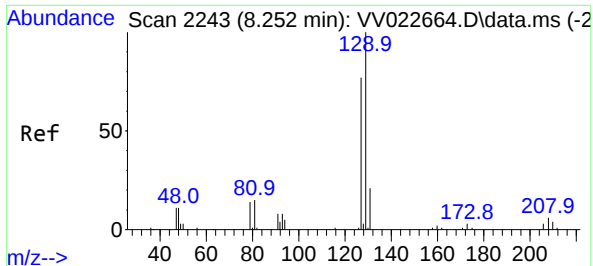
#48
2-Hexanone
Concen: 2.796 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. -0.006 min
Lab File: VV022670.D
Acq: 07 Oct 2021 18:17



Tgt Ion: 43 Resp: 7683

Ion	Ratio	Lower	Upper
43	100		
58	24.3	47.4	71.0#
57	14.6	15.3	22.9#
100	6.0	10.4	15.6#





#49

Dibromochloromethane

Concen: 6.598 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.277 min

Lab File: VV022670.D

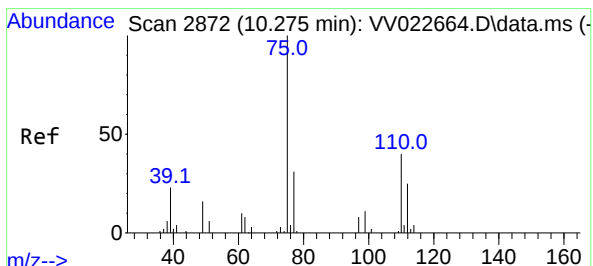
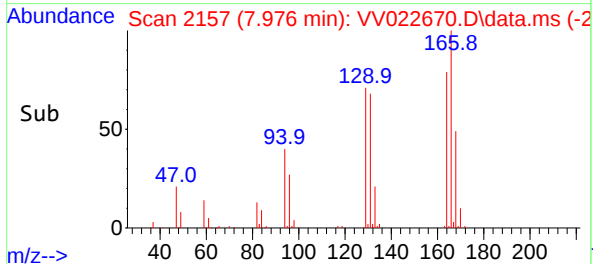
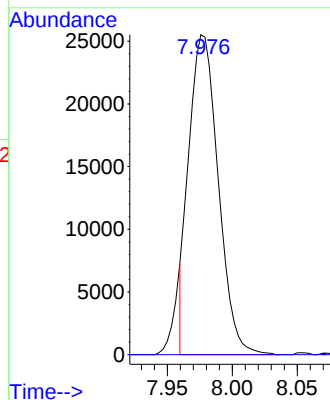
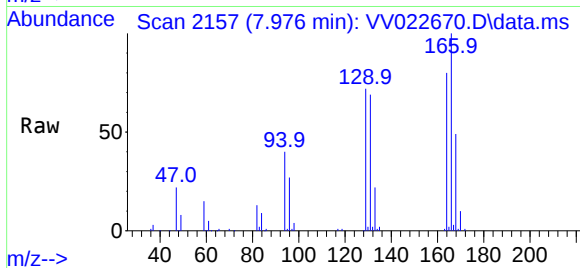
Acq: 07 Oct 2021 18:17

Tgt Ion:129 Resp: 40084

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#61

1,2,3-Trichloropropane

Concen: 1.544 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022670.D

Acq: 07 Oct 2021 18:17

Tgt Ion: 75 Resp: 5375

Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.2

110 1.7 34.2 51.4#

