

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100721\
 Data File : VV022679.D
 Acq On : 07 Oct 2021 21:53
 Operator : SY/MD
 Sample : M4052-04DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 08 04:04:47 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	5.619	114	107857	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	109105	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	48478	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	36218	4.881	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.564	69	33669	5.049	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.000%
11) 1,1-Dichloroethene-d2	2.105	63	63698	4.376	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	3.918	46	71504	36.749	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.500%
24) Chloroform-d	4.349	84	70673	4.621	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.034	65	35121	4.732	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
32) Benzene-d6	5.047	84	142687	4.393	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
36) 1,2-Dichloropropane-d6	6.072	67	44247	4.600	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.317	98	118470	4.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	7.629	79	13134	4.116	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.095	63	57776	44.931	ug/L	-0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.860%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	29851	4.581	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.628	152	48436	5.389	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	635	0.078	ug/L #	1
12) 1,1-Dichloroethene	2.114	96	21434	3.290	ug/L	91
16) Methylene chloride	2.503	84	4142	0.462	ug/L	93
17) Methyl tert-butyl Ether	2.777	73	1419	0.090	ug/L #	80
18) trans-1,2-Dichloroethene	2.751	96	521	0.074	ug/L	98
19) 1,1-Dichloroethane	3.182	63	4377	0.343	ug/L	95
22) cis-1,2-Dichloroethene	3.905	96	27510	3.698	ug/L	92
27) 1,2-Dichloroethane	5.040	62	818	0.111	ug/L #	69
29) 1,1,1-Trichloroethane	4.600	97	1707	0.137	ug/L #	90
34) Trichloroethene	5.915	95	39028	4.884	ug/L	98
35) Methylcyclohexane	6.072	83	10821	0.967	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	4857	0.687	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	908	0.097	ug/L #	6
42) Toluene	7.397	91	2552	0.086	ug/L	93
47) Tetrachloroethene	7.976	164	60759	9.402	ug/L	97
48) 2-Hexanone	8.153	43	5635	2.030	ug/L #	86
49) Dibromochloromethane	7.976	129	49392	8.046	ug/L #	7
61) 1,2,3-Trichloropropane	11.249	75	5161	1.532	ug/L #	61

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 08 04:01:59 2021
Response via : Initial Calibration

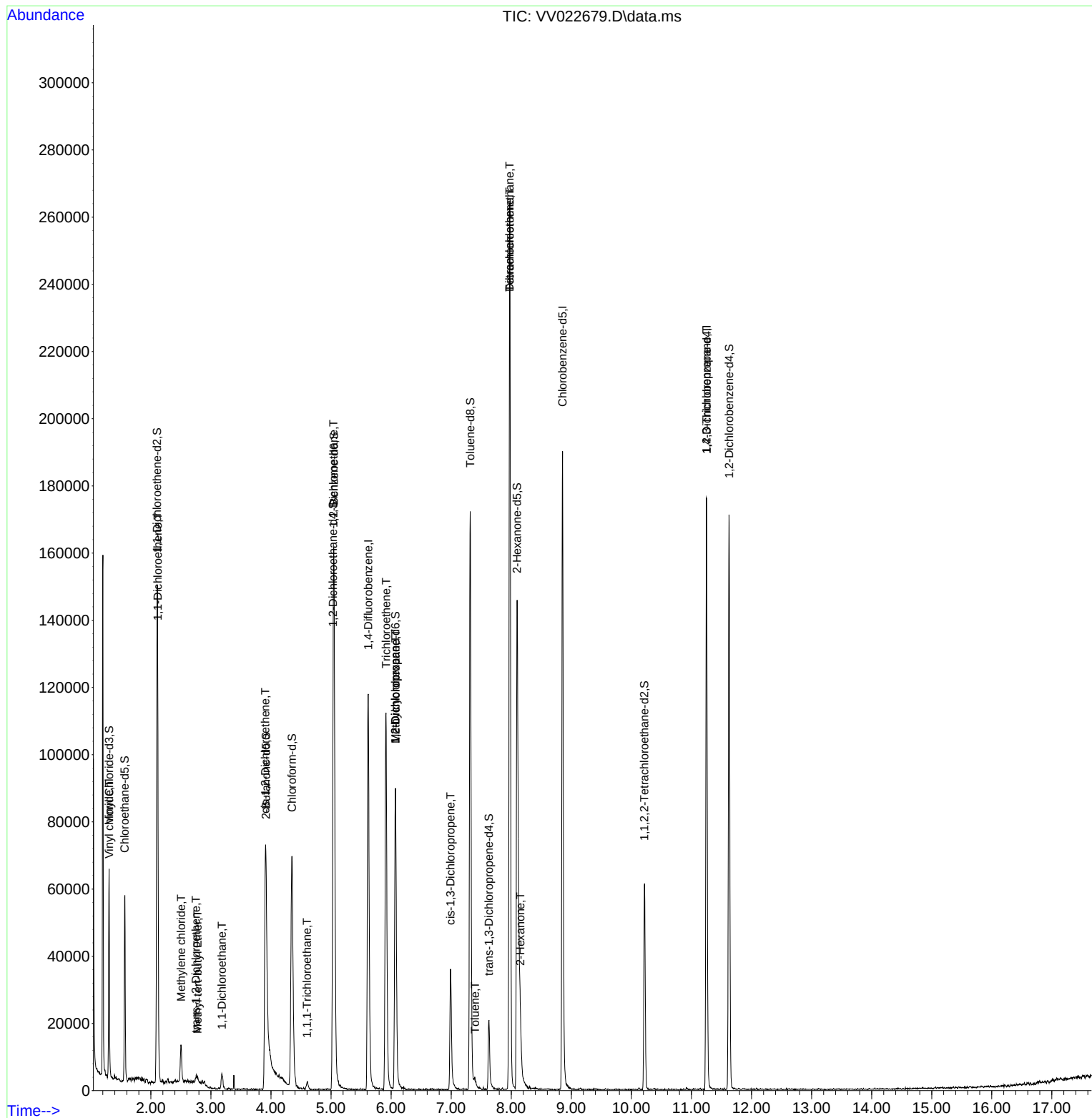
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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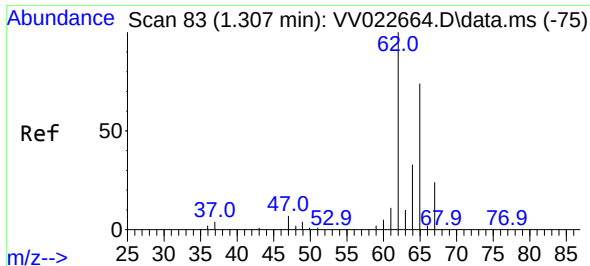
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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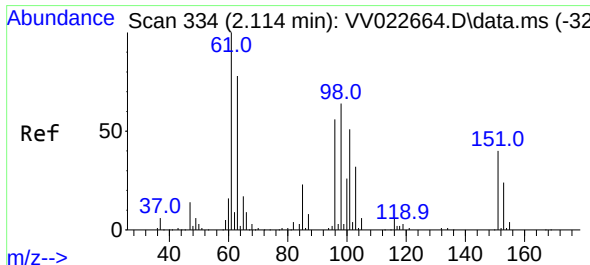
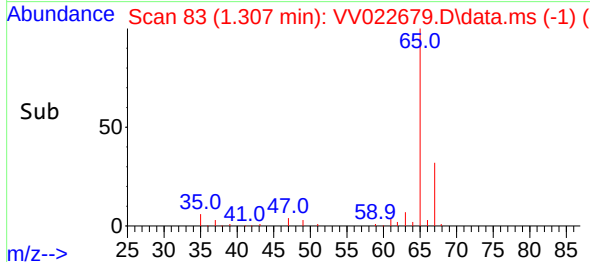
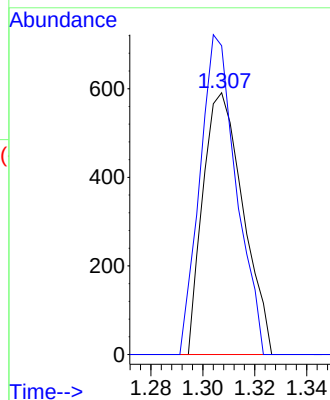
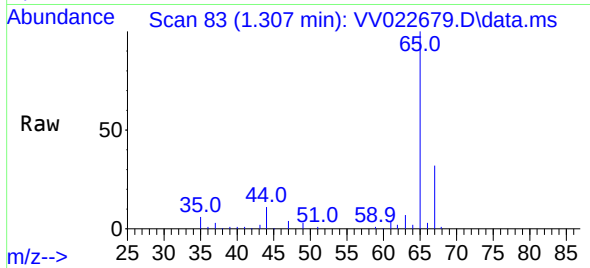




#5
 Vinyl chloride
 Concen: 0.078 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV022679.D
 Acq: 07 Oct 2021 21:53

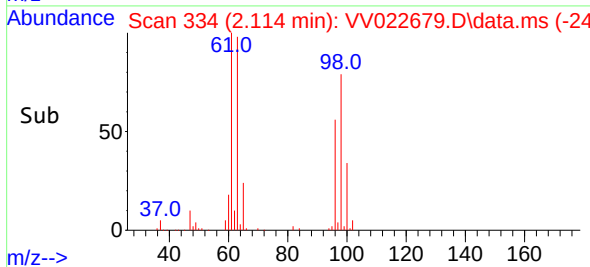
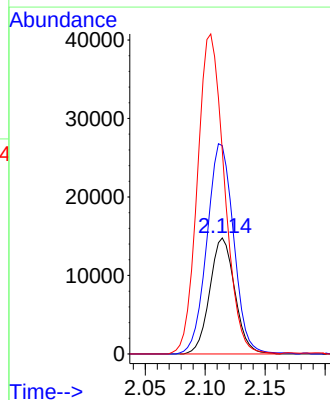
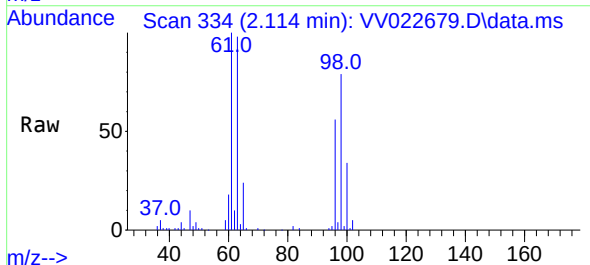
Instrument :
 MSVOA_V
 ClientSampled :

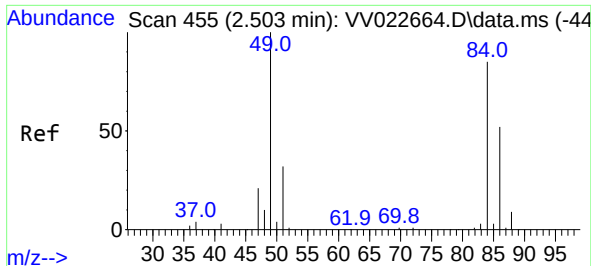
Tgt Ion: 62 Resp: 635
 Ion Ratio Lower Upper
 62 100
 64 117.9 23.0 42.8#



#12
 1,1-Dichloroethene
 Concen: 3.290 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV022679.D
 Acq: 07 Oct 2021 21:53

Tgt Ion: 96 Resp: 21434
 Ion Ratio Lower Upper
 96 100
 61 179.7 127.3 236.5
 63 175.5 106.2 197.2

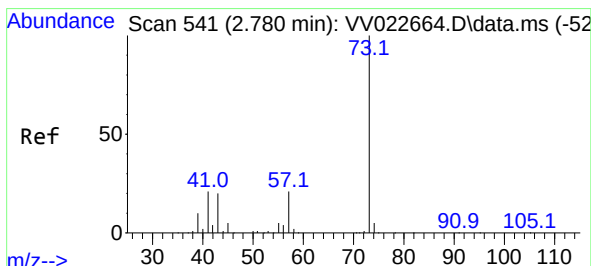
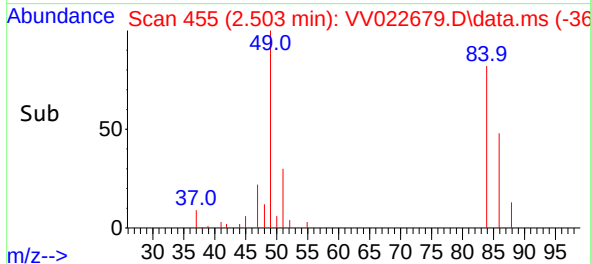
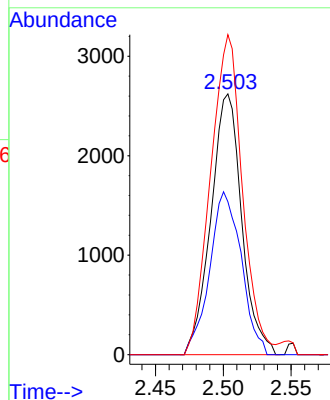
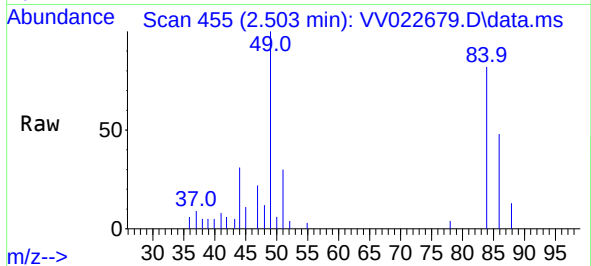




#16
Methylene chloride
Concen: 0.462 ug/L
RT: 2.503 min Scan# 455
Delta R.T. 0.000 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

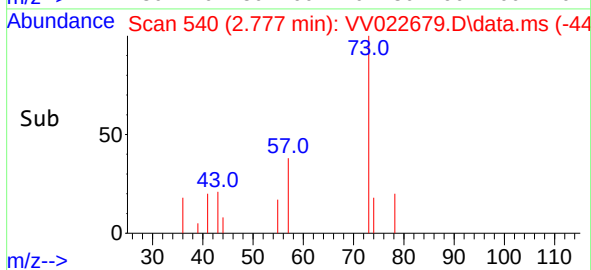
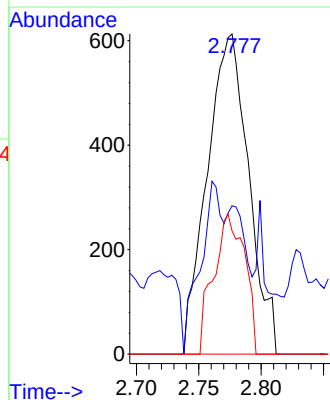
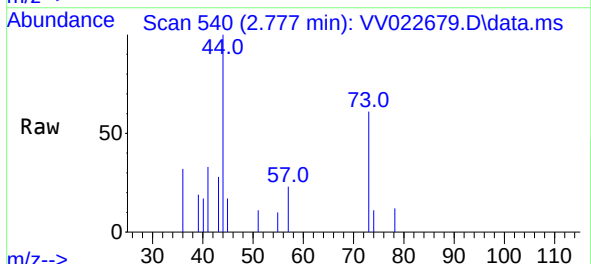
Instrument :
MSVOA_V
ClientSampleId :

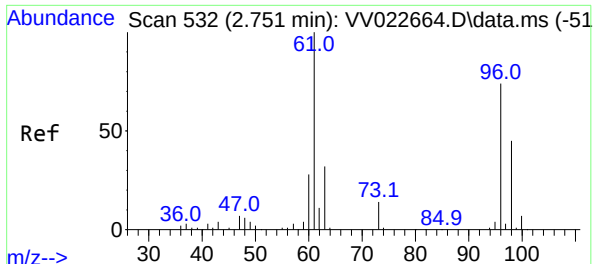
Tgt Ion: 84 Resp: 4142
Ion Ratio Lower Upper
84 100
86 58.6 45.8 85.2
49 122.7 90.3 167.7



#17
Methyl tert-butyl Ether
Concen: 0.090 ug/L
RT: 2.777 min Scan# 540
Delta R.T. -0.003 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

Tgt Ion: 73 Resp: 1419
Ion Ratio Lower Upper
73 100
43 29.3 17.1 25.7#
57 32.9 17.2 25.8#

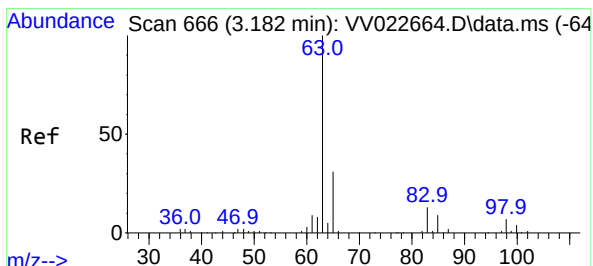
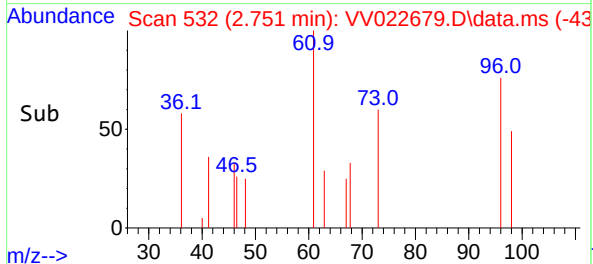
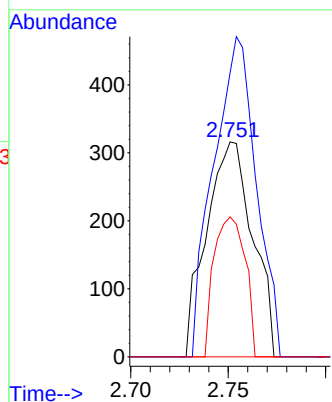
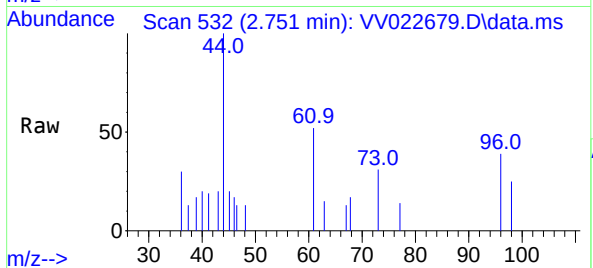




#18
trans-1,2-Dichloroethene
Concen: 0.074 ug/L
RT: 2.751 min Scan# 532
Delta R.T. 0.000 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

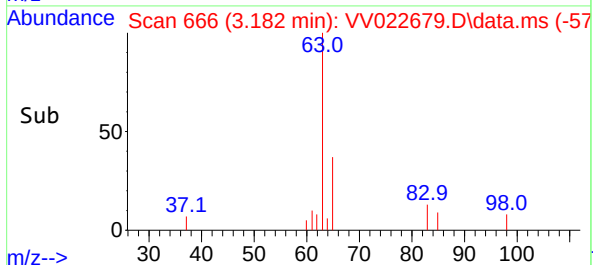
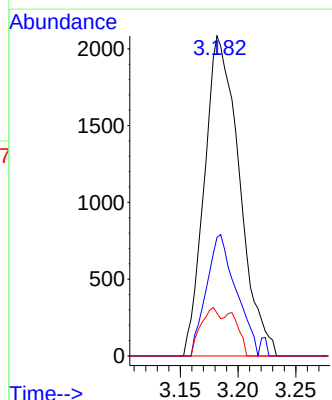
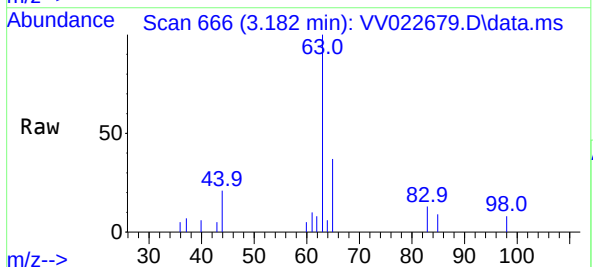
Instrument :
MSVOA_V
ClientSampleId :

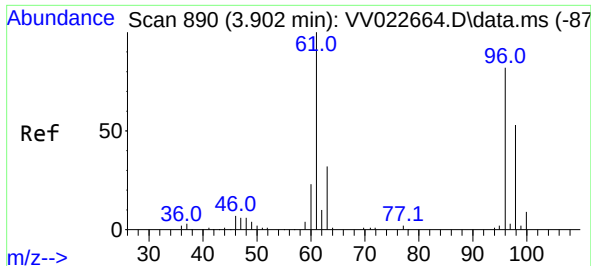
Tgt Ion: 96 Resp: 521
Ion Ratio Lower Upper
96 100
61 132.3 94.5 175.5
98 65.2 44.2 82.0



#19
1,1-Dichloroethane
Concen: 0.343 ug/L
RT: 3.182 min Scan# 666
Delta R.T. 0.000 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

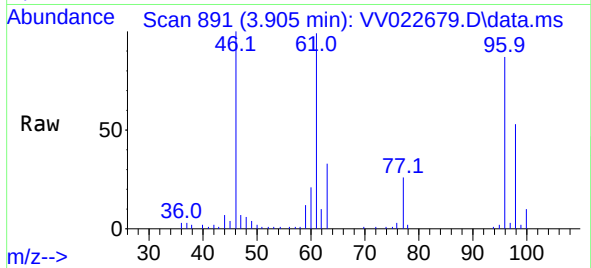
Tgt Ion: 63 Resp: 4377
Ion Ratio Lower Upper
63 100
65 37.0 23.5 43.7
83 13.4 10.1 18.7





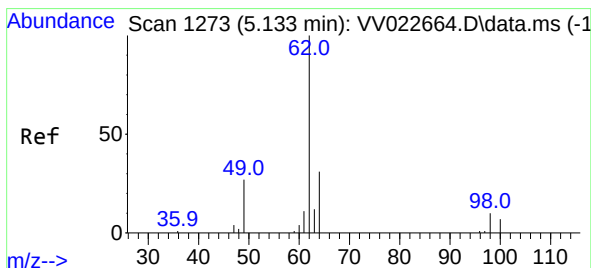
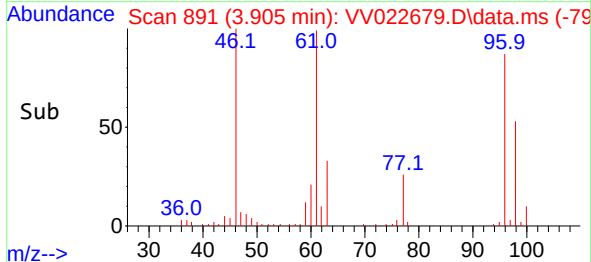
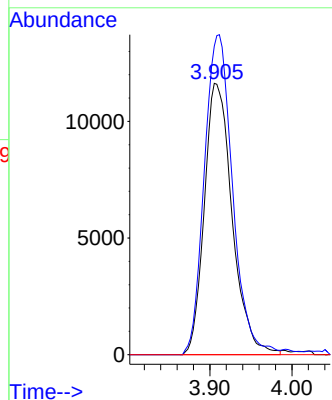
#22
 cis-1,2-Dichloroethene
 Concen: 3.698 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. 0.003 min
 Lab File: VV022679.D
 Acq: 07 Oct 2021 21:53

Instrument :
 MSVOA_V
 ClientSampled :



Tgt Ion: 96 Resp: 27510

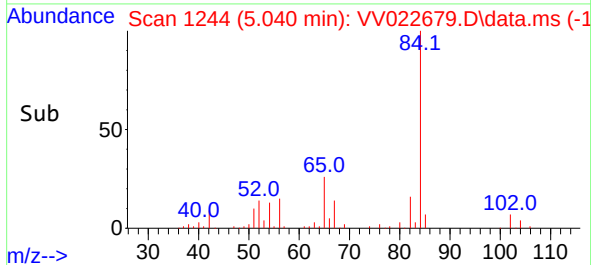
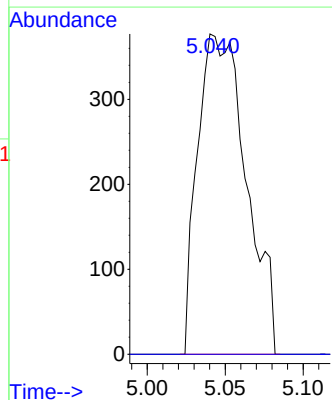
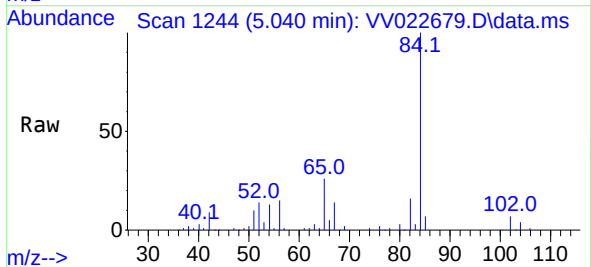
Ion	Ratio	Lower	Upper
96	100		
61	113.7	86.0	159.6
68	0.0	0.0	0.0

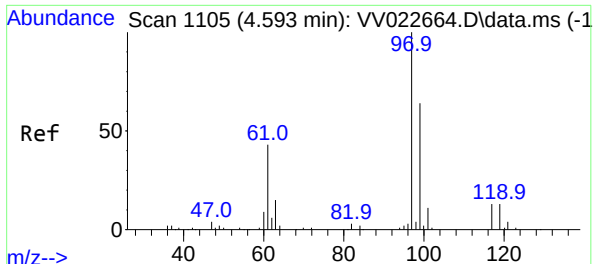


#27
 1,2-Dichloroethane
 Concen: 0.111 ug/L
 RT: 5.040 min Scan# 1244
 Delta R.T. -0.093 min
 Lab File: VV022679.D
 Acq: 07 Oct 2021 21:53

Tgt Ion: 62 Resp: 818

Ion	Ratio	Lower	Upper
62	100		
98	0.0	9.7	14.5#



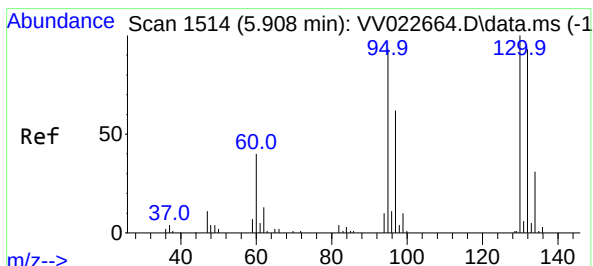
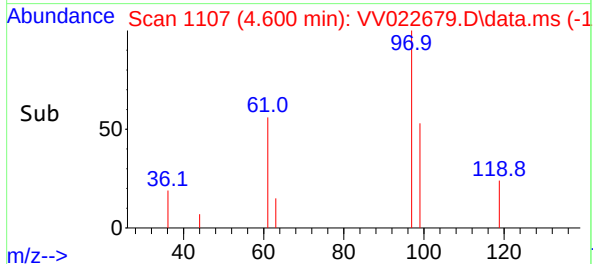
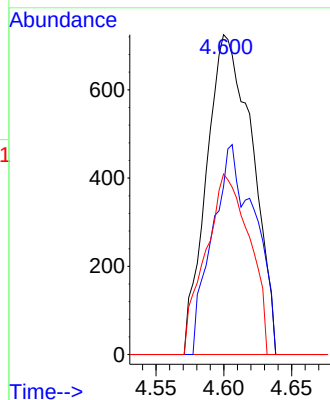
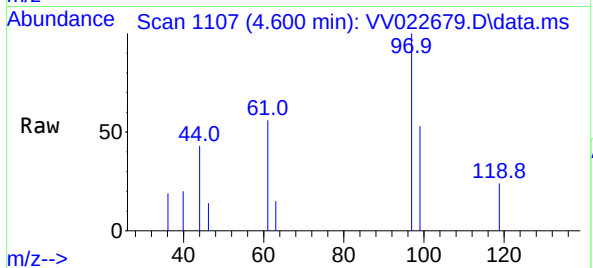


#29

1,1,1-Trichloroethane
Concen: 0.137 ug/L
RT: 4.600 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

Instrument :
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ClientSampleId :

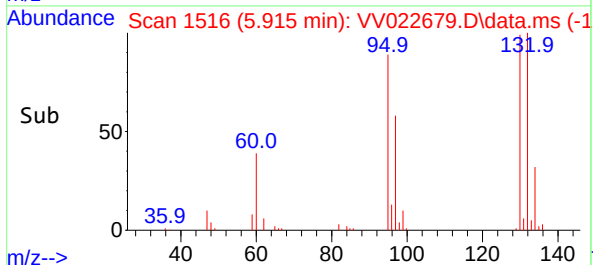
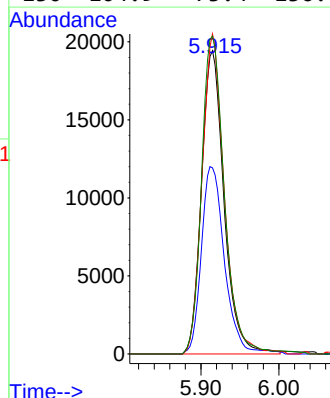
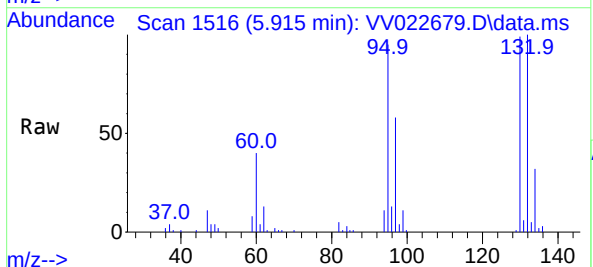
Tgt Ion: 97 Resp: 1707
Ion Ratio Lower Upper
97 100
99 60.9 51.2 76.8
61 54.0 33.2 49.8#

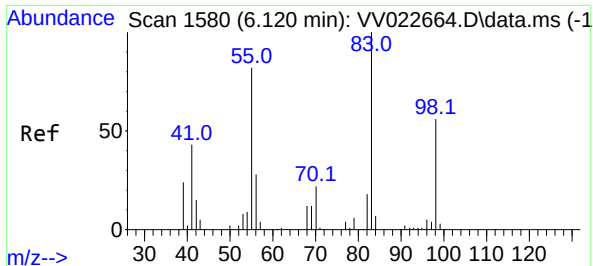


#34

Trichloroethene
Concen: 4.884 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.007 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

Tgt Ion: 95 Resp: 39028
Ion Ratio Lower Upper
95 100
97 61.4 45.8 85.2
132 105.6 72.2 134.0
130 104.9 73.4 136.4





#35

Methylcyclohexane

Concen: 0.967 ug/L

RT: 6.072 min Scan# 1565

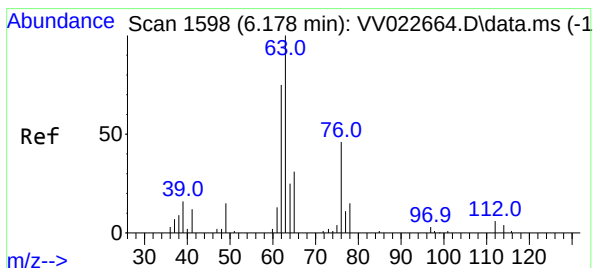
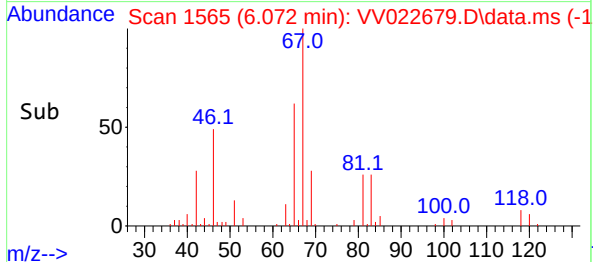
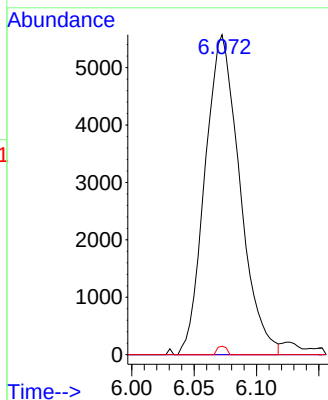
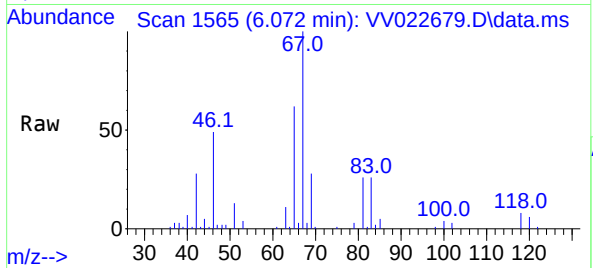
Delta R.T. -0.048 min

Lab File: VV022679.D

Acq: 07 Oct 2021 21:53

Tgt Ion:	83	Resp:	10821
Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.8	95.6#
98	0.7	42.1	63.1#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.687 ug/L

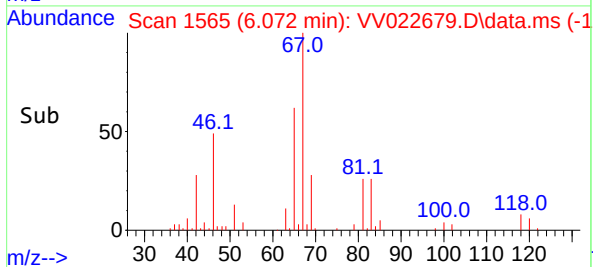
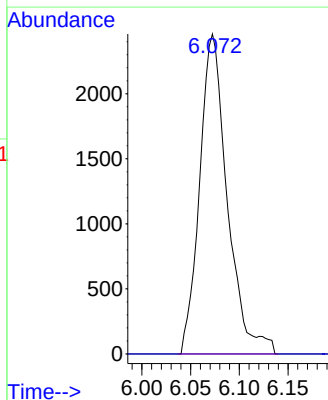
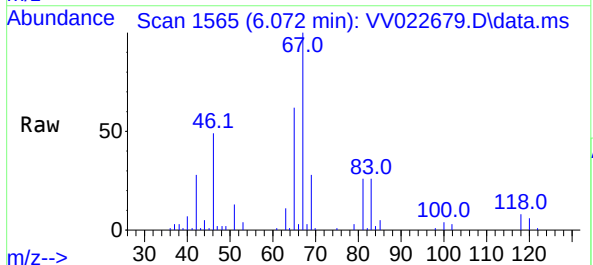
RT: 6.072 min Scan# 1565

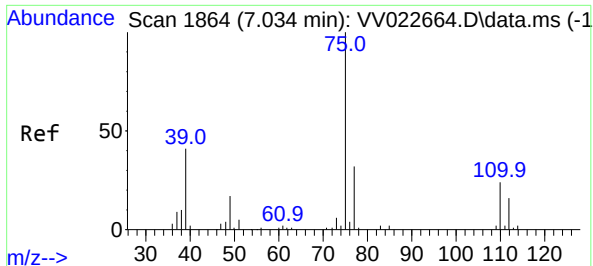
Delta R.T. -0.106 min

Lab File: VV022679.D

Acq: 07 Oct 2021 21:53

Tgt Ion:	63	Resp:	4857
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

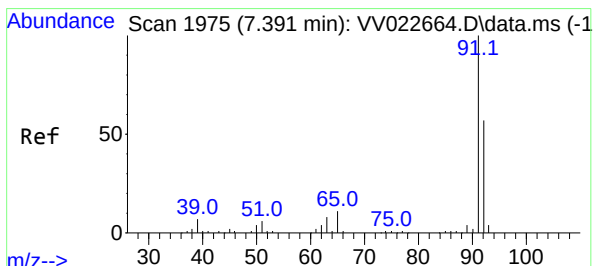
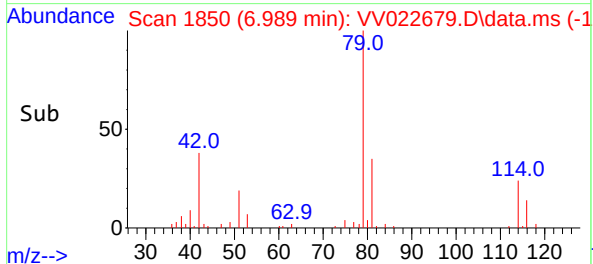
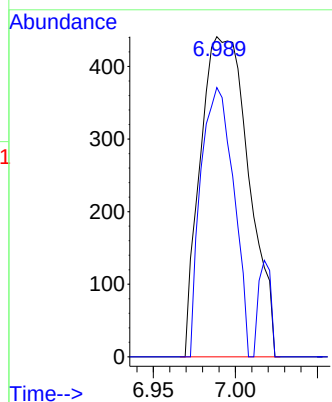
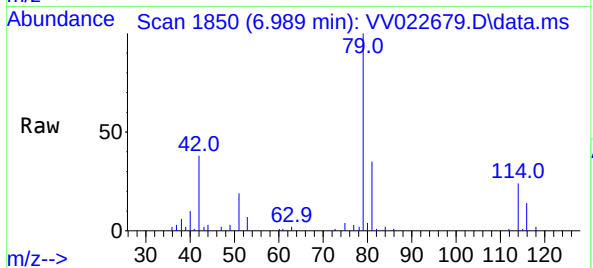




#39
cis-1,3-Dichloropropene
Concen: 0.097 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.045 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

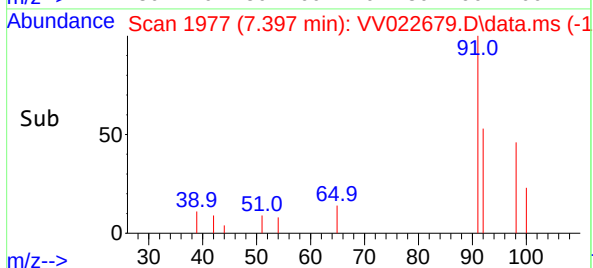
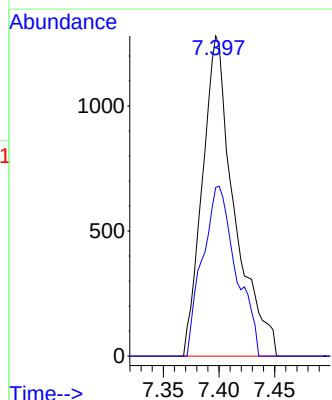
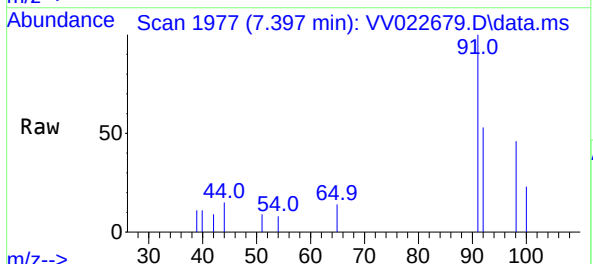
Instrument :
MSVOA_V
ClientSampleId :

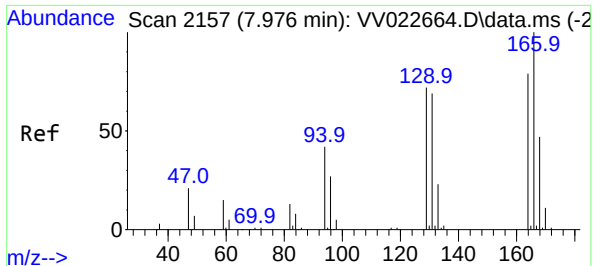
Tgt Ion: 75 Resp: 908
Ion Ratio Lower Upper
75 100
77 84.1 22.3 41.3#



#42
Toluene
Concen: 0.086 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

Tgt Ion: 91 Resp: 2552
Ion Ratio Lower Upper
91 100
92 52.7 40.7 75.7

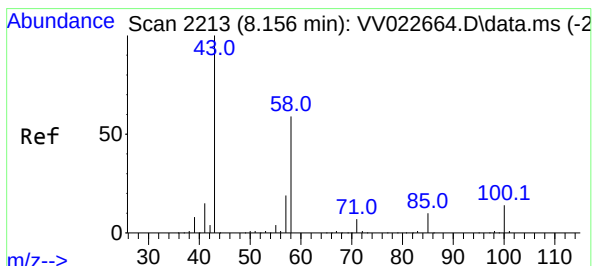
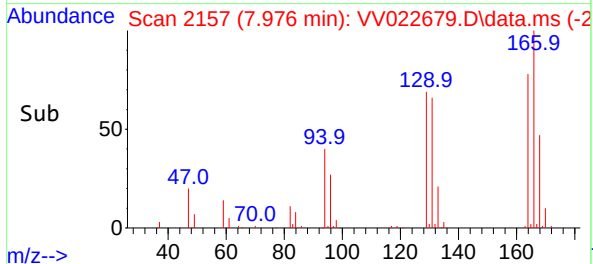
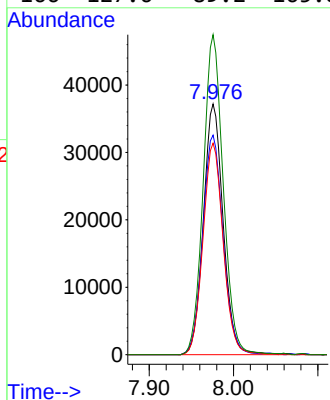
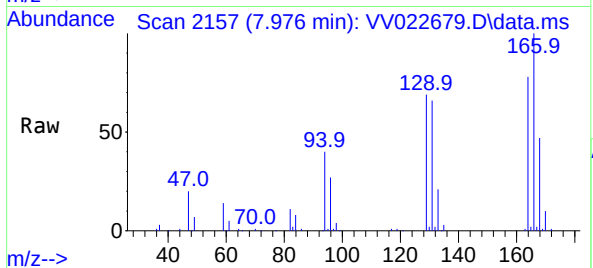




#47
Tetrachloroethene
Concen: 9.402 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

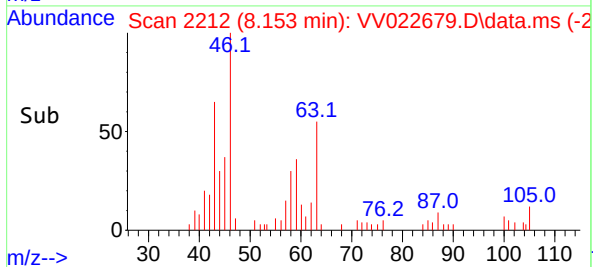
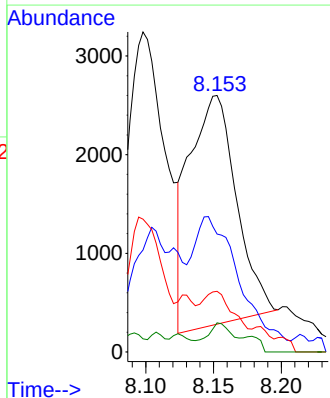
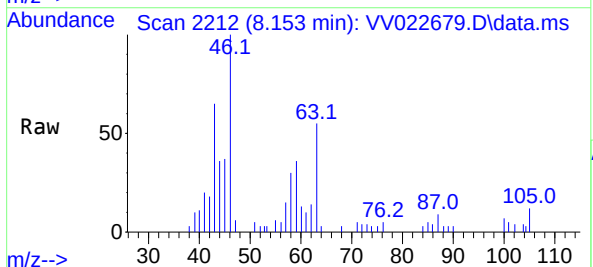
Instrument :
MSVOA_V
ClientSampleId :

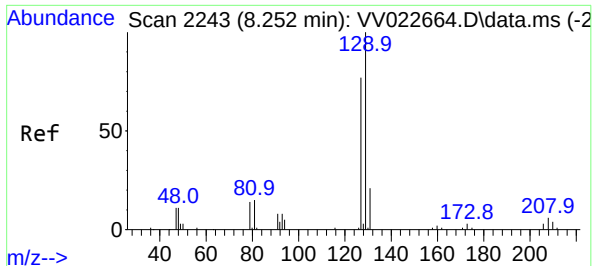
Tgt Ion:164 Resp: 60759
Ion Ratio Lower Upper
164 100
129 87.6 65.0 120.6
131 84.4 62.2 115.4
166 127.6 89.2 165.8



#48
2-Hexanone
Concen: 2.030 ug/L
RT: 8.153 min Scan# 2212
Delta R.T. -0.003 min
Lab File: VV022679.D
Acq: 07 Oct 2021 21:53

Tgt Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
58 52.0 47.4 71.0
57 10.4 15.3 22.9#
100 3.2 10.4 15.6#





#49

Dibromochloromethane

Concen: 8.046 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.276 min

Lab File: VV022679.D

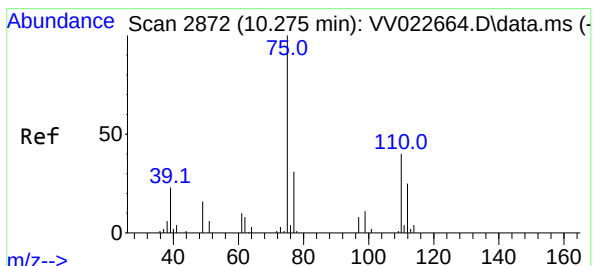
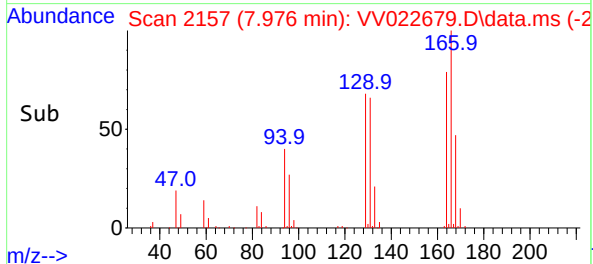
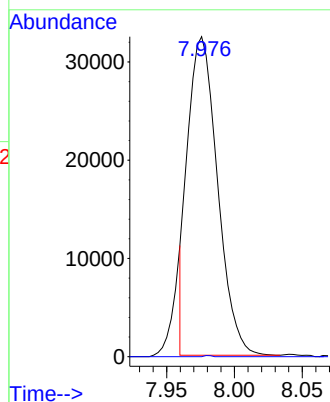
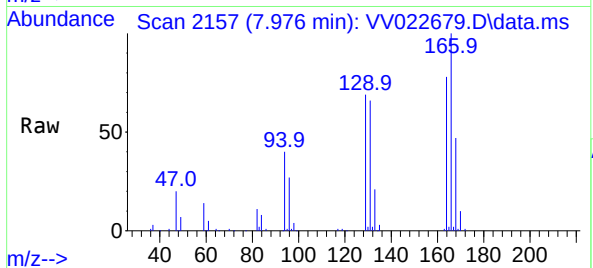
Acq: 07 Oct 2021 21:53

Tgt Ion:129 Resp: 49392

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#61

1,2,3-Trichloropropane

Concen: 1.532 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022679.D

Acq: 07 Oct 2021 21:53

Tgt Ion: 75 Resp: 5161

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2

110 0.9 34.2 51.4#

