

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100621\
 Data File : VW022622.D
 Acq On : 06 Oct 2021 14:13
 Operator : SY/MD
 Sample : M4051-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 06:17:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 07 06:15:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	111202	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	108733	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	48226	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	35328	9.916	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	198.400%#
7) Chloroethane-d5	1.565	69	33532	6.982	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	139.600%#
11) 1,1-Dichloroethene-d2	2.114	63	265472	25.680	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	513.600%#
20) 2-Butanone-d5	3.899	46	72610	34.476	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.960%
24) Chloroform-d	4.349	84	71601	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.400%
26) 1,2-Dichloroethane-d4	5.037	65	35225	5.450	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.000%
32) Benzene-d6	5.053	84	142194	5.803	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.000%
36) 1,2-Dichloropropane-d6	6.072	67	44366	5.132	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.600%
41) Toluene-d8	7.320	98	118834	5.785	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.800%
43) trans-1,3-Dichloroprop...	7.625	79	12884	5.632	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.600%
46) 2-Hexanone-d5	8.092	63	66987	47.290	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.580%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	30966	4.714	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	44541	5.971	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	1193	0.139	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	1443	0.196	ug/L #	28
12) 1,1-Dichloroethene	2.118	96	402138	59.033	ug/L #	85
18) trans-1,2-Dichloroethene	2.761	96	1248	0.168	ug/L	88
19) 1,1-Dichloroethane	3.188	63	56283	4.226	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	218385	27.112	ug/L	95
25) Chloroform	4.378	83	11771	0.809	ug/L	96
27) 1,2-Dichloroethane	5.153	62	1092	0.141	ug/L #	74
29) 1,1,1-Trichloroethane	4.609	97	22923	1.845	ug/L	98
31) Carbon tetrachloride	4.831	117	7594	0.689	ug/L	93
34) Trichloroethene	5.912	95	221998	26.069	ug/L	98
35) Methylcyclohexane	6.072	83	11228	0.941	ug/L #	21
37) 1,2-Dichloropropane	6.076	63	5120	0.716	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	959	0.099	ug/L #	44
42) Toluene	7.400	91	3732	0.121	ug/L	95
45) 1,1,2-Trichloroethane	7.847	97	2403	0.450	ug/L	92
47) Tetrachloroethene	7.976	164	224181	33.855	ug/L	99
48) 2-Hexanone	8.146	43	4496	1.587	ug/L #	80
49) Dibromochloromethane	7.976	129	197879	31.436	ug/L #	12

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 07 06:15:29 2021
Response via : Initial Calibration

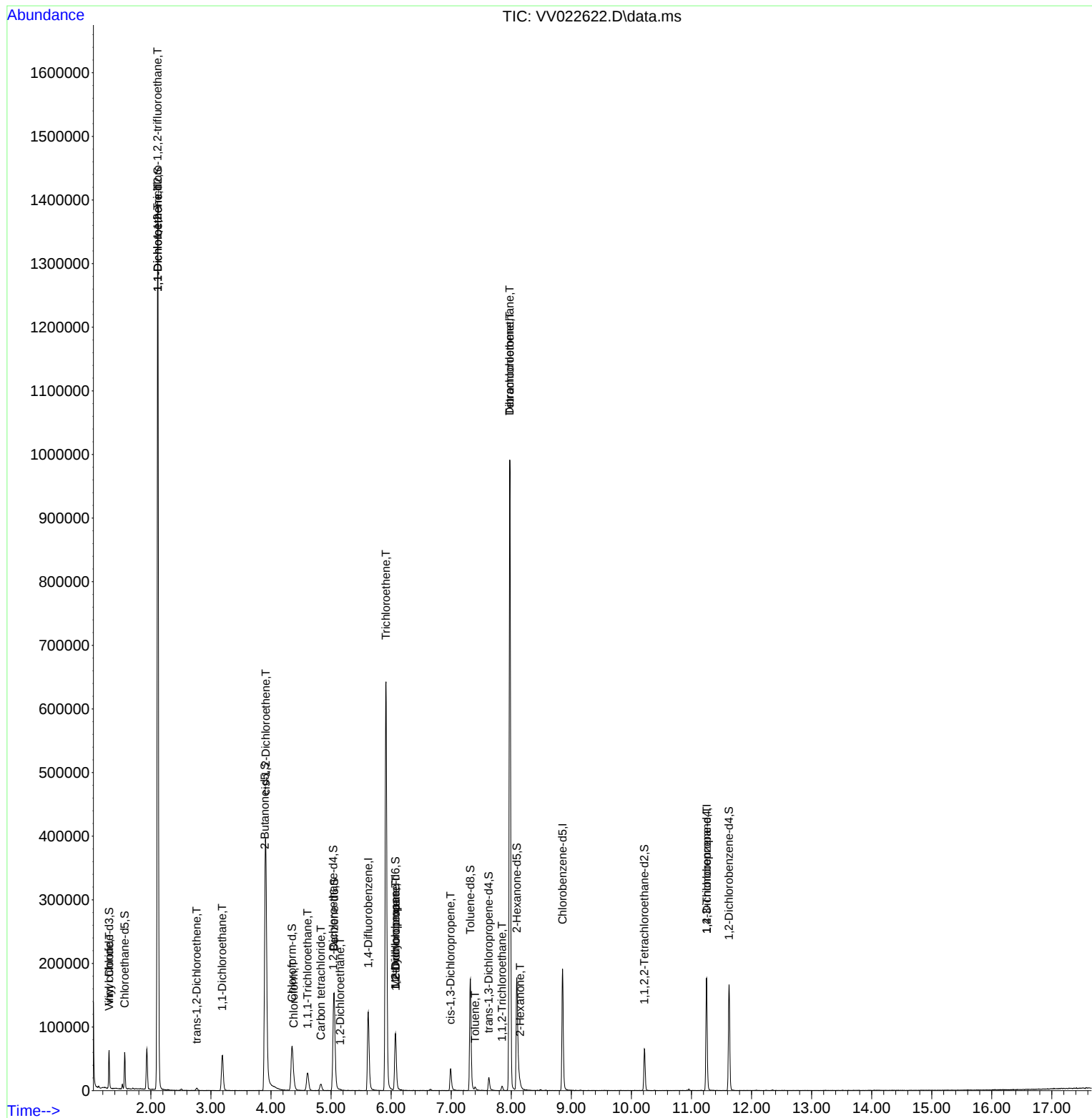
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.252	75	5084	1.422	ug/L	# 63

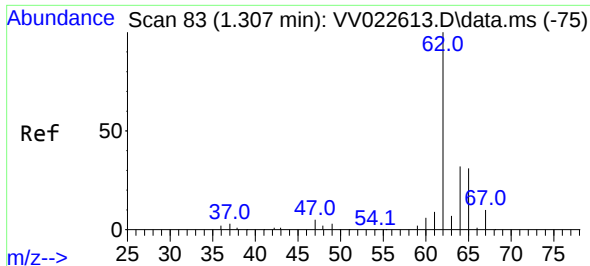
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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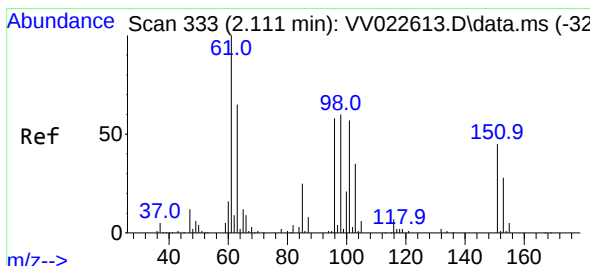
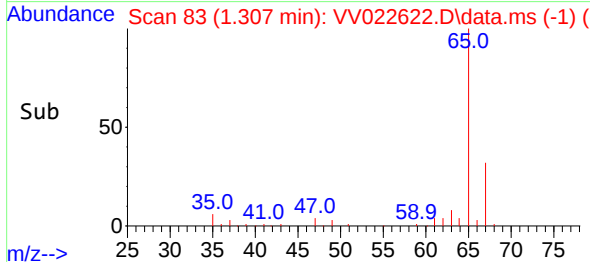
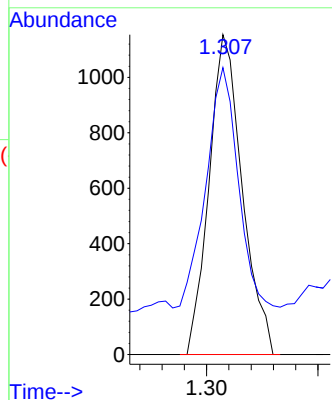
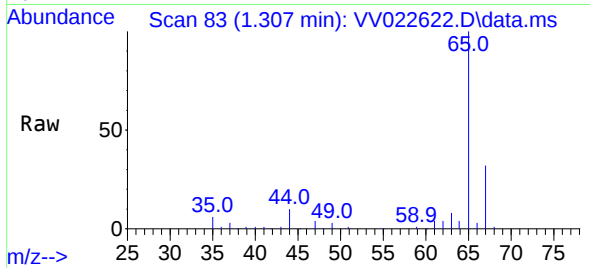




#5
 Vinyl chloride
 Concen: 0.139 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV022622.D
 Acq: 06 Oct 2021 14:13

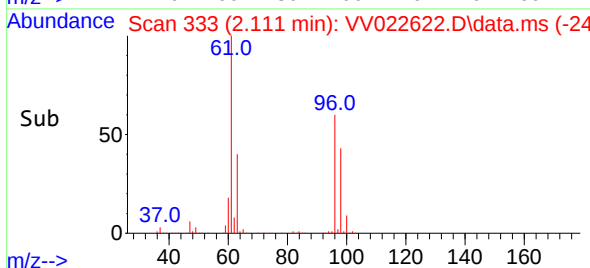
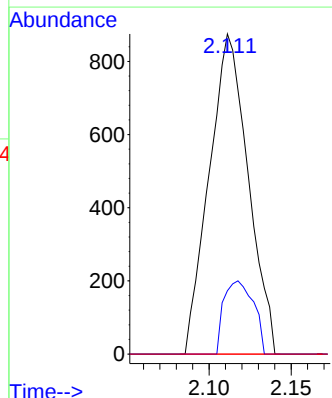
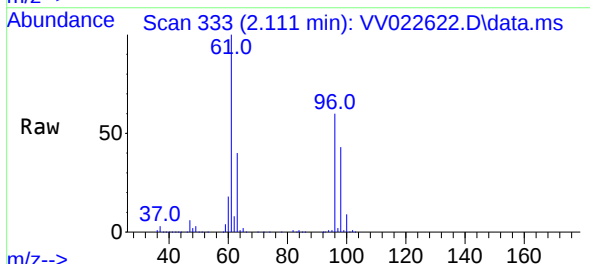
Instrument :
 MSVOA_V
 ClientSampled :

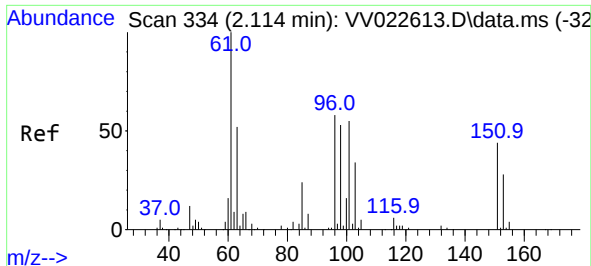
Tgt Ion: 62 Resp: 1193
 Ion Ratio Lower Upper
 62 100
 64 89.7 22.3 41.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.196 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV022622.D
 Acq: 06 Oct 2021 14:13

Tgt Ion: 101 Resp: 1443
 Ion Ratio Lower Upper
 101 100
 85 17.4 35.8 53.6#
 151 0.0 61.9 92.9#

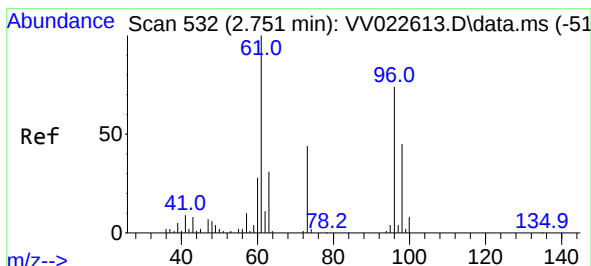
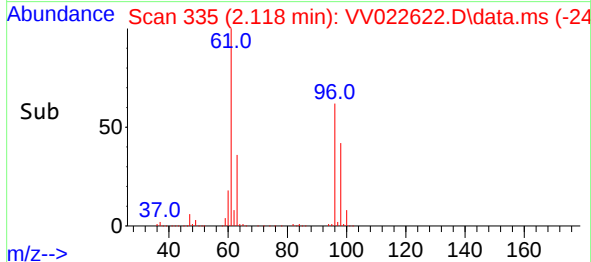
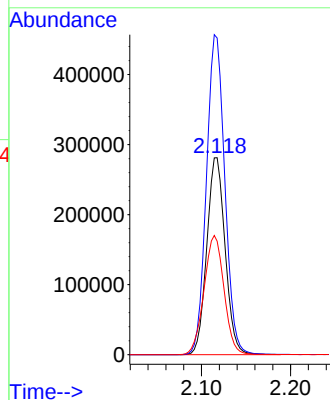
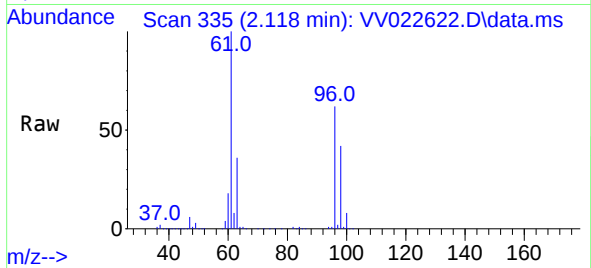




#12
1,1-Dichloroethene
Concen: 59.033 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

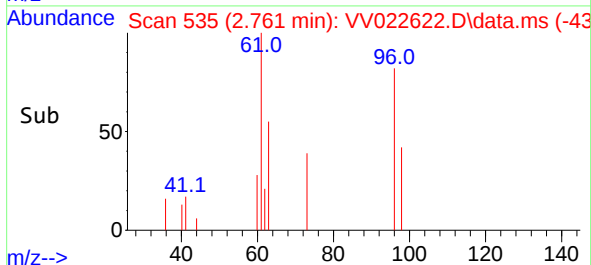
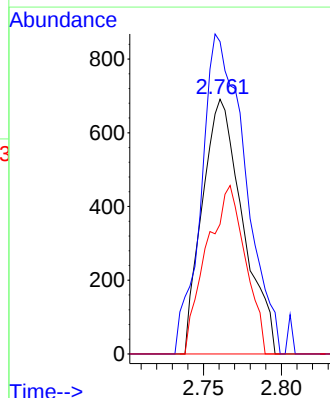
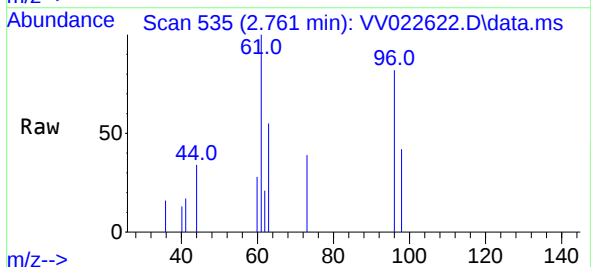
Instrument :
MSVOA_V
ClientSampled :

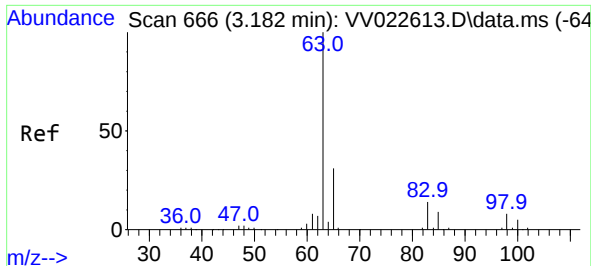
Tgt Ion: 96 Resp: 402138
Ion Ratio Lower Upper
96 100
61 160.7 113.2 210.2
63 57.6 66.6 123.8#



#18
trans-1,2-Dichloroethene
Concen: 0.168 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.010 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Tgt Ion: 96 Resp: 1248
Ion Ratio Lower Upper
96 100
61 122.6 94.0 174.6
98 50.9 44.9 83.3





#19

1,1-Dichloroethane

Concen: 4.226 ug/L

RT: 3.188 min Scan# 668

Delta R.T. 0.006 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

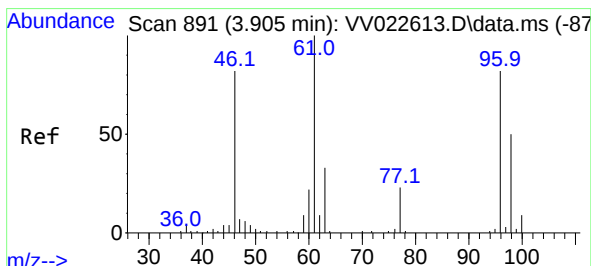
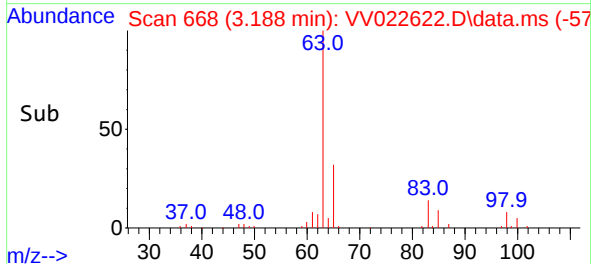
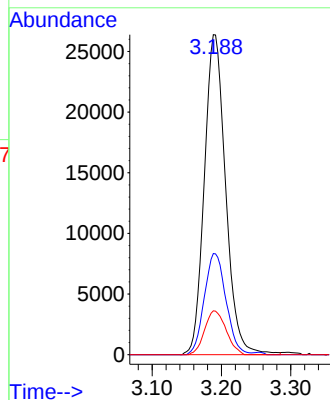
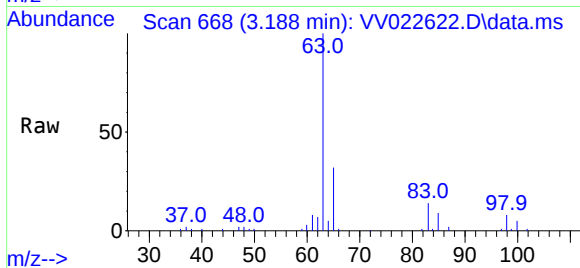
Tgt Ion: 63 Resp: 56283

Ion Ratio Lower Upper

63 100

65 31.6 22.8 42.4

83 13.7 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 27.112 ug/L

RT: 3.912 min Scan# 893

Delta R.T. 0.006 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

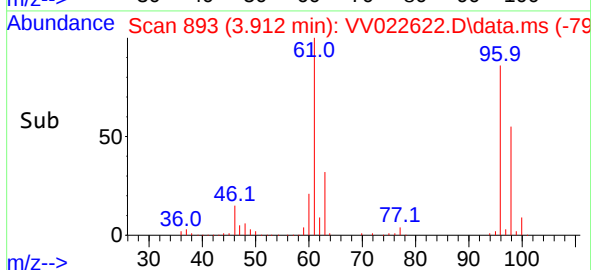
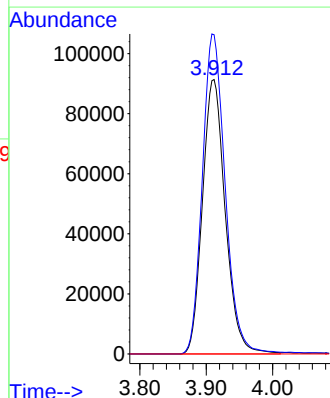
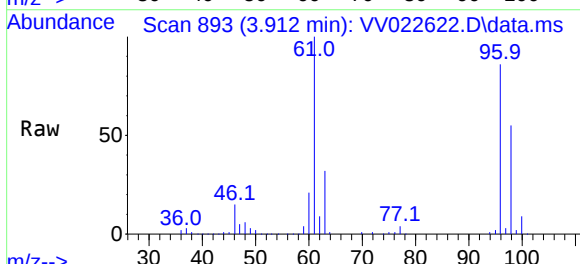
Tgt Ion: 96 Resp: 218385

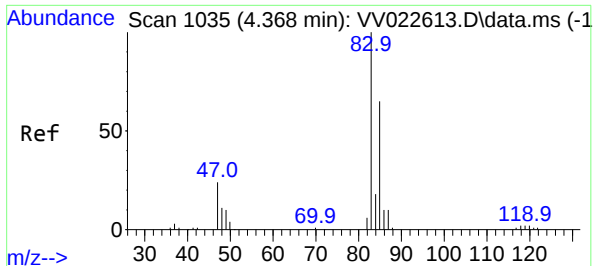
Ion Ratio Lower Upper

96 100

61 116.3 85.6 159.0

68 0.0 0.0 0.0



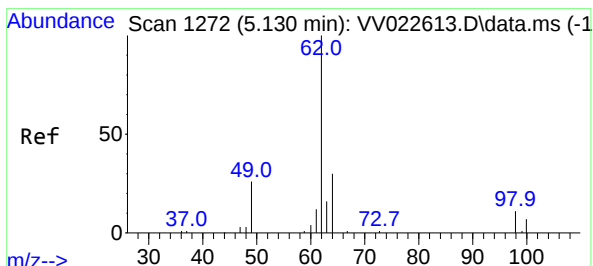
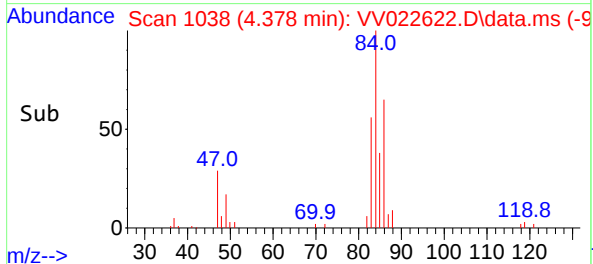
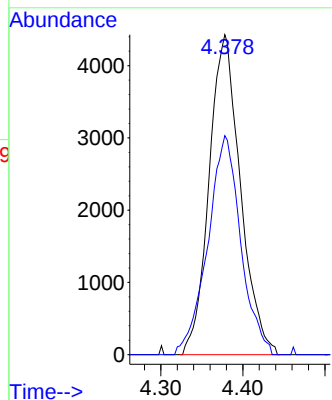
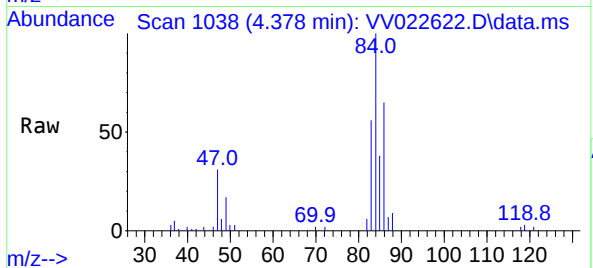


#25

Chloroform
Concen: 0.809 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.010 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Instrument :
MSVOA_V
ClientSampled :

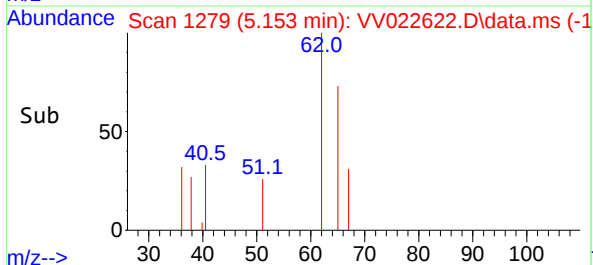
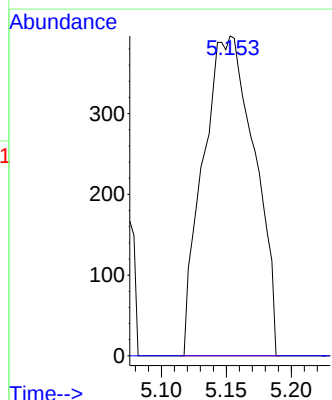
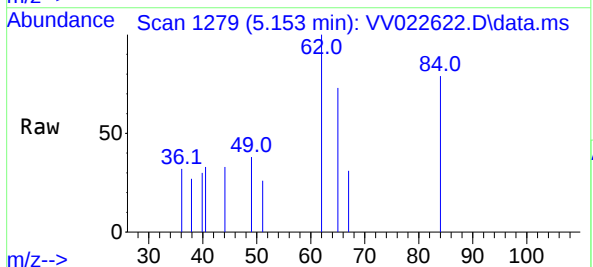
Tgt Ion: 83 Resp: 11771
Ion Ratio Lower Upper
83 100
85 68.5 45.6 84.8

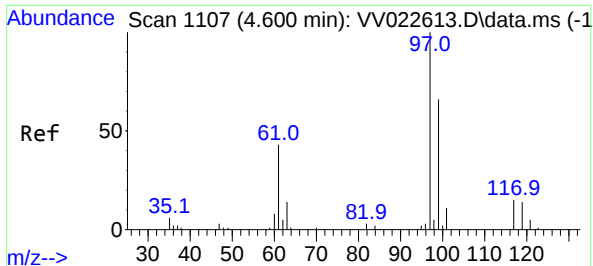


#27

1,2-Dichloroethane
Concen: 0.141 ug/L
RT: 5.153 min Scan# 1279
Delta R.T. 0.023 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Tgt Ion: 62 Resp: 1092
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



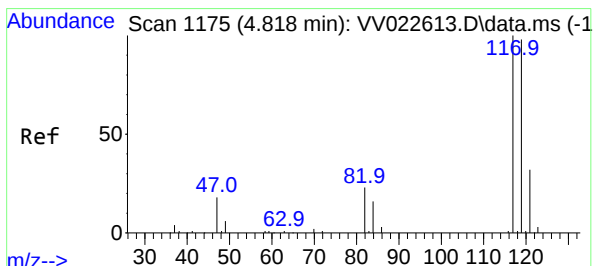
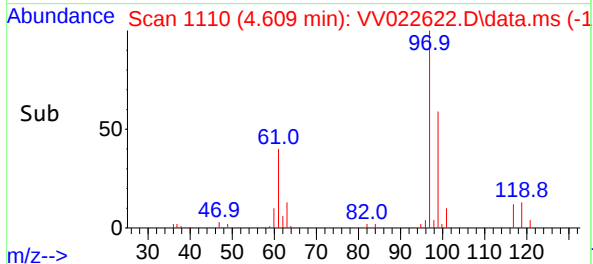
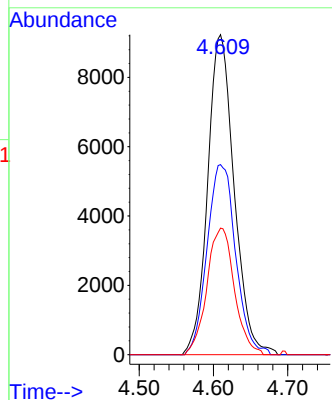
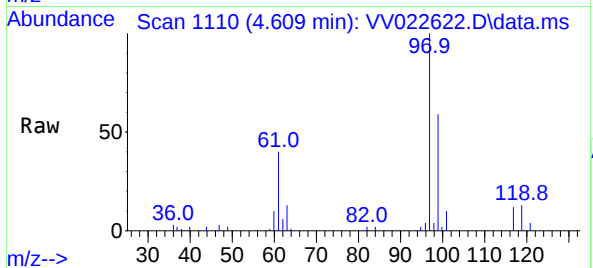


#29

1,1,1-Trichloroethane
Concen: 1.845 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. 0.010 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Instrument :
MSVOA_V
ClientSampled :

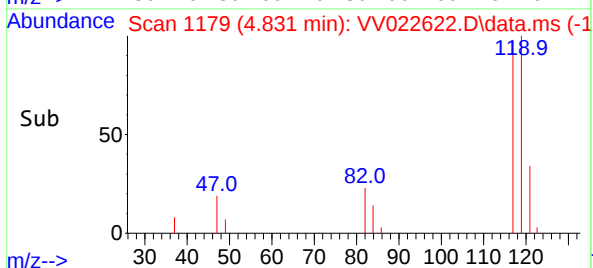
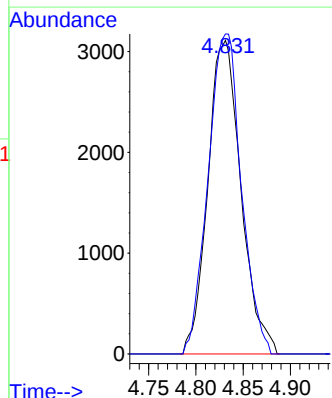
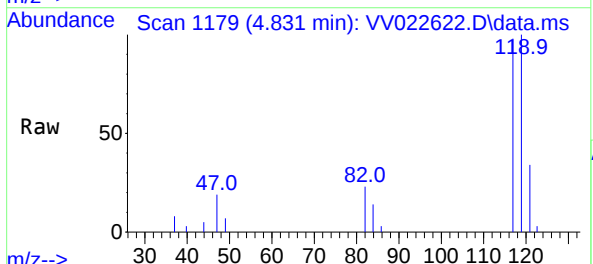
Tgt Ion: 97 Resp: 22923
Ion Ratio Lower Upper
97 100
99 64.1 49.8 74.6
61 41.0 32.5 48.7

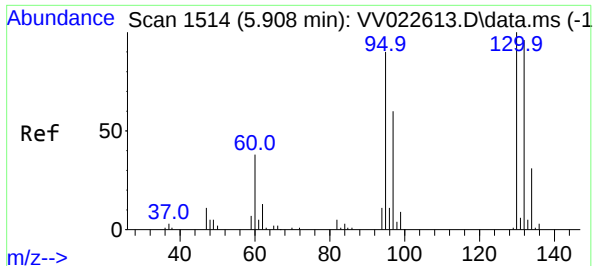


#31

Carbon tetrachloride
Concen: 0.689 ug/L
RT: 4.831 min Scan# 1179
Delta R.T. 0.013 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Tgt Ion: 117 Resp: 7594
Ion Ratio Lower Upper
117 100
119 102.5 76.9 115.3





#34

Trichloroethene

Concen: 26.069 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

Tgt Ion: 95 Resp: 221998

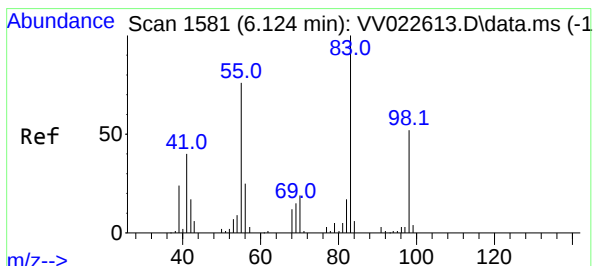
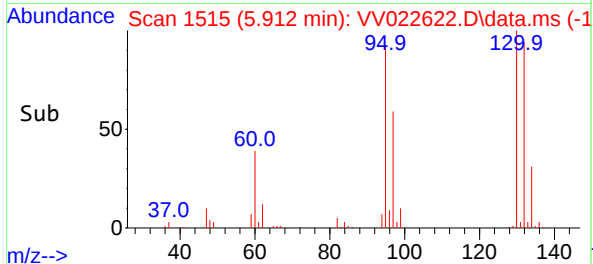
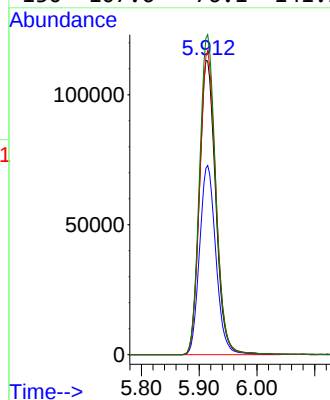
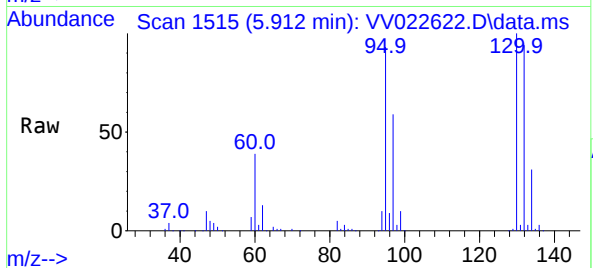
Ion Ratio Lower Upper

95 100

97 63.4 46.5 86.5

132 101.5 73.0 135.6

130 107.6 76.1 141.3



#35

Methylcyclohexane

Concen: 0.941 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.051 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

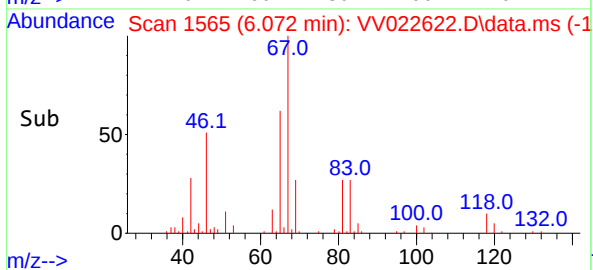
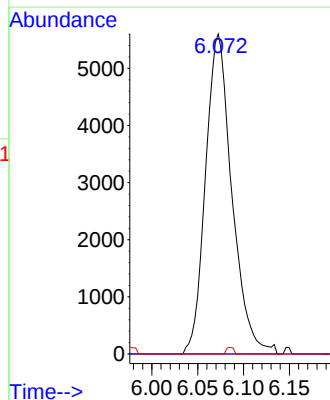
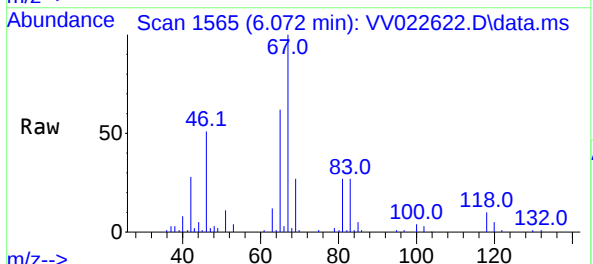
Tgt Ion: 83 Resp: 11228

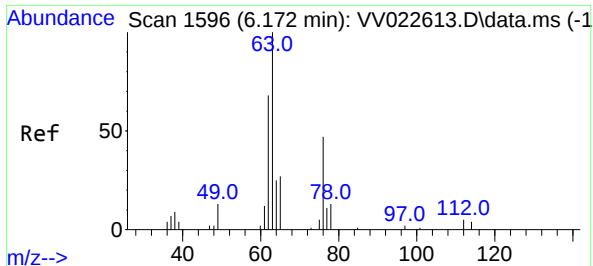
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.8#

98 2.8 39.8 59.8#

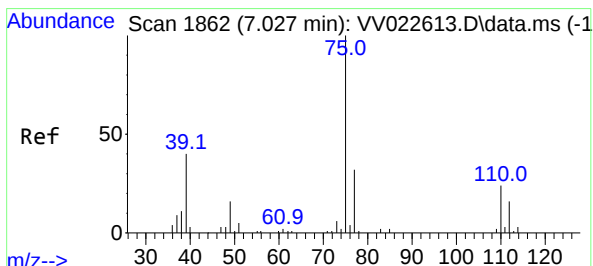
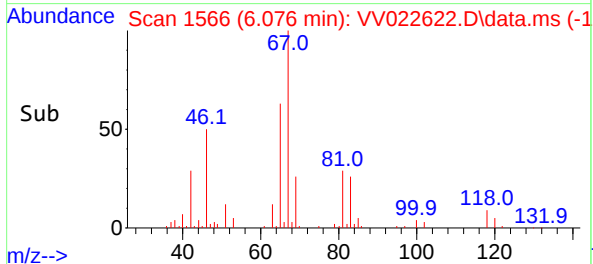
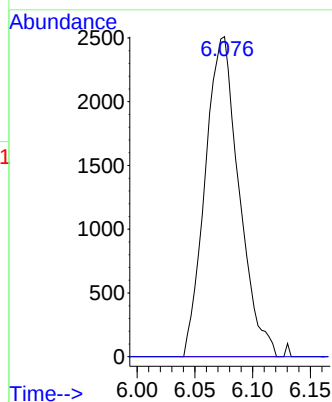
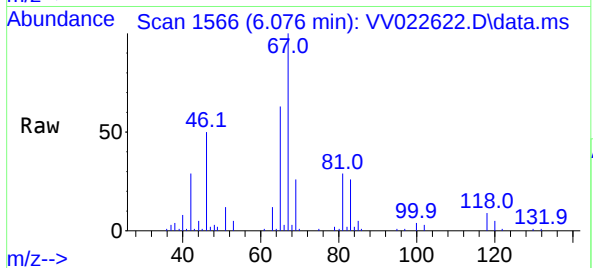




#37
1,2-Dichloropropane
Concen: 0.716 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.096 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

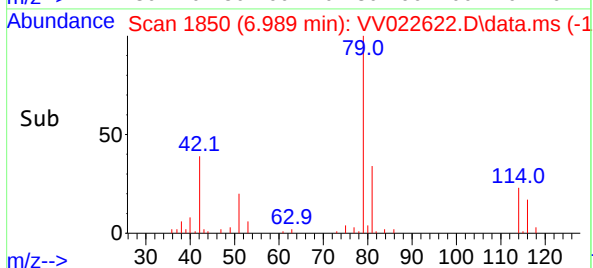
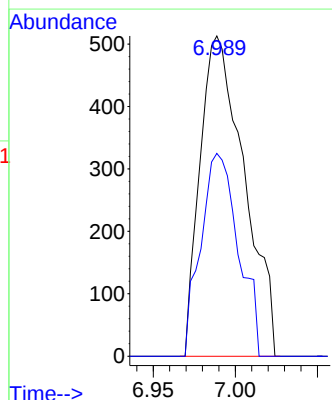
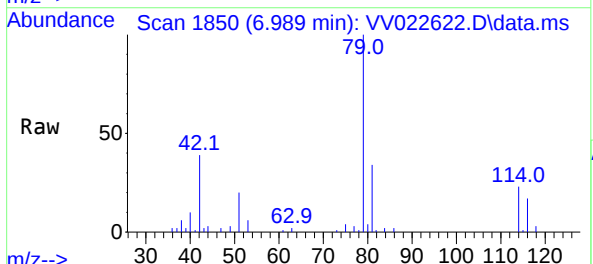
Instrument :
MSVOA_V
ClientSampled :

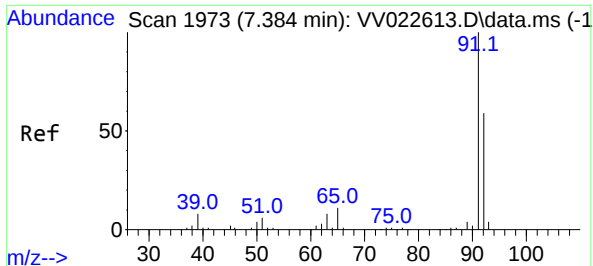
Tgt Ion: 63 Resp: 5120
Ion Ratio Lower Upper
63 100
112 0.0 4.3 6.5#



#39
cis-1,3-Dichloropropene
Concen: 0.099 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.039 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Tgt Ion: 75 Resp: 959
Ion Ratio Lower Upper
75 100
77 63.4 22.4 41.6#

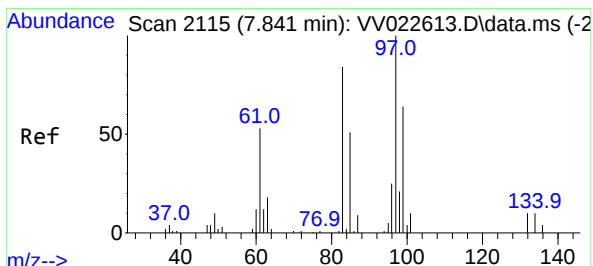
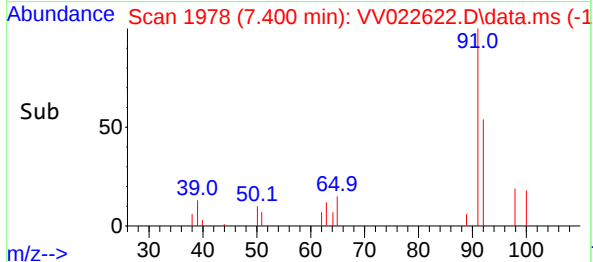
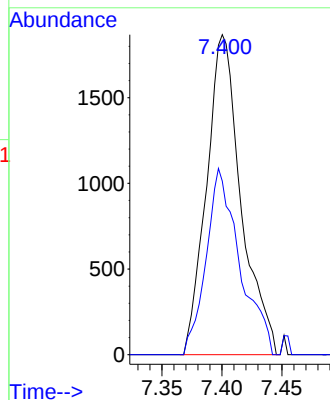
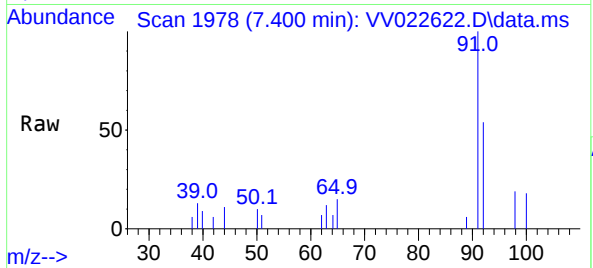




#42
Toluene
Concen: 0.121 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.016 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

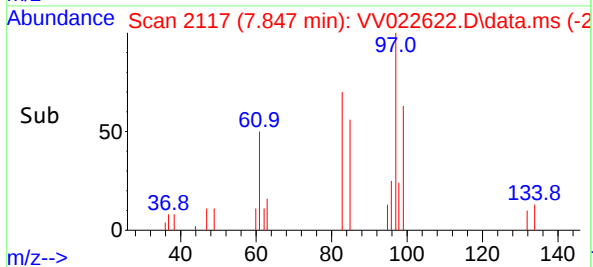
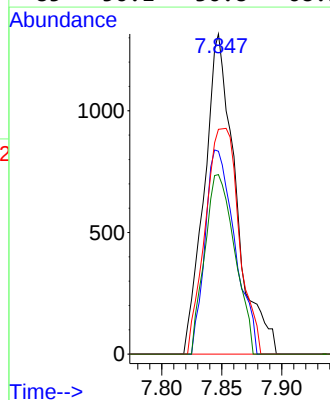
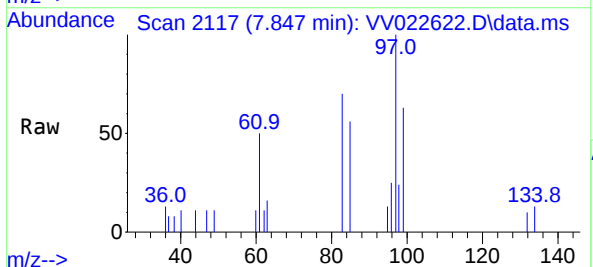
Instrument :
MSVOA_V
ClientSampled :

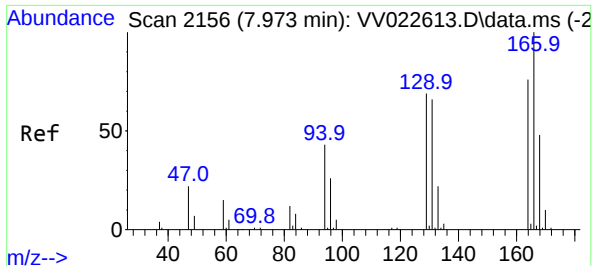
Tgt Ion: 91 Resp: 3732
Ion Ratio Lower Upper
91 100
92 54.2 40.5 75.3



#45
1,1,2-Trichloroethane
Concen: 0.450 ug/L
RT: 7.847 min Scan# 2117
Delta R.T. 0.006 min
Lab File: VV022622.D
Acq: 06 Oct 2021 14:13

Tgt Ion: 97 Resp: 2403
Ion Ratio Lower Upper
97 100
99 63.4 42.6 79.0
83 70.2 57.7 107.1
85 56.1 36.8 68.3





#47

Tetrachloroethene

Concen: 33.855 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

Tgt Ion:164 Resp: 224181

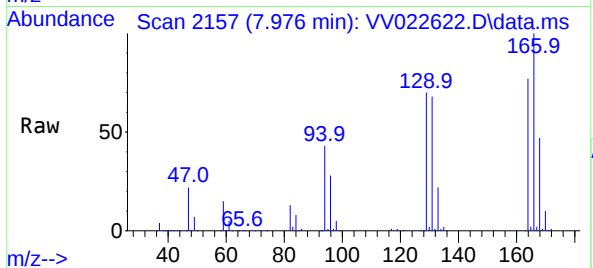
Ion Ratio Lower Upper

164 100

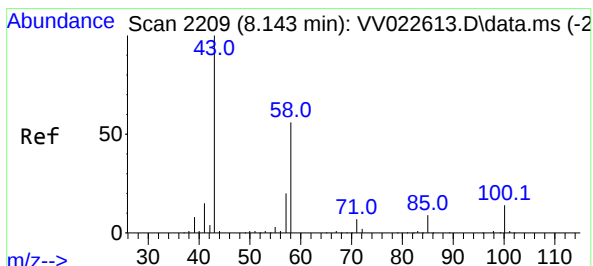
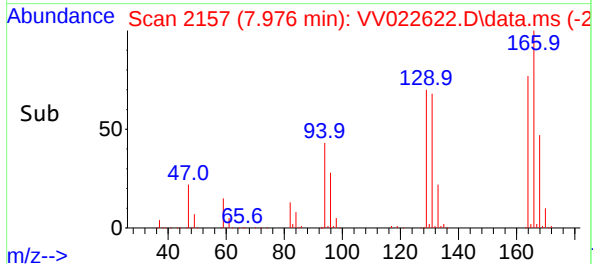
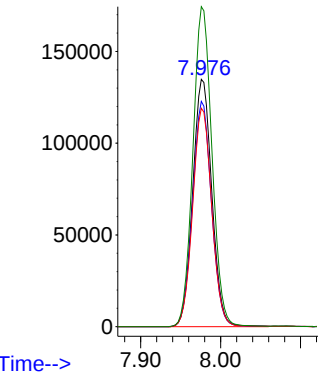
129 91.1 65.5 121.6

131 88.3 62.4 116.0

166 129.4 91.1 169.3



Abundance



#48

2-Hexanone

Concen: 1.587 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. 0.003 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

Tgt Ion: 43 Resp: 4496

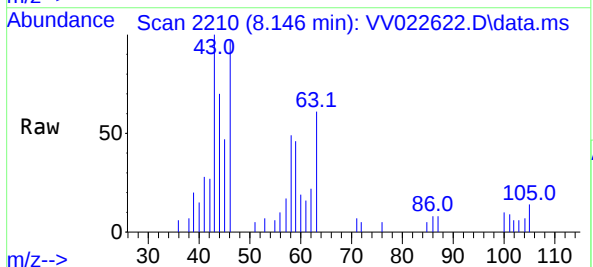
Ion Ratio Lower Upper

43 100

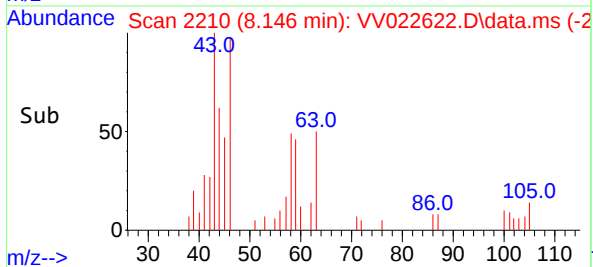
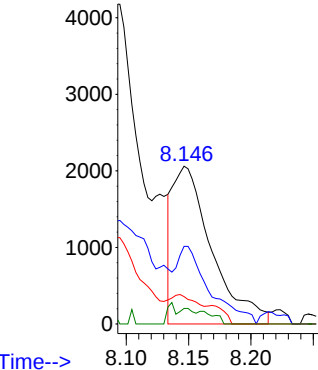
58 41.1 46.4 69.6#

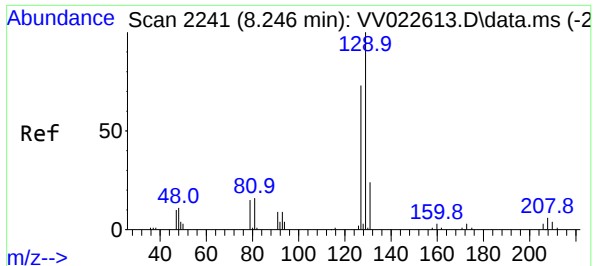
57 18.7 16.3 24.5

100 0.8 11.0 16.6#



Abundance





#49

Dibromochloromethane

Concen: 31.436 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV022622.D

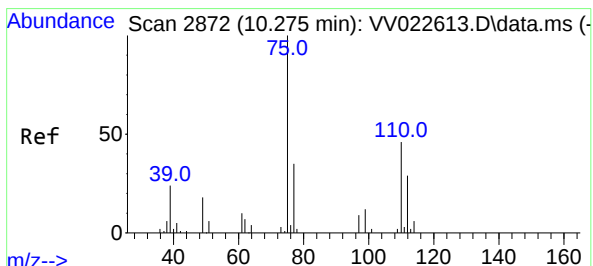
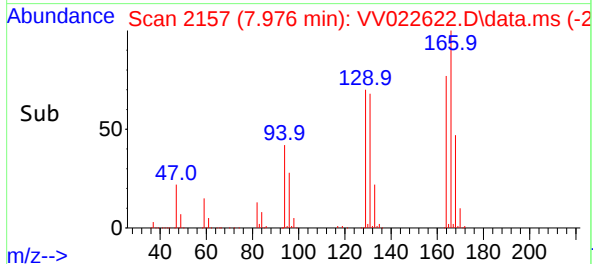
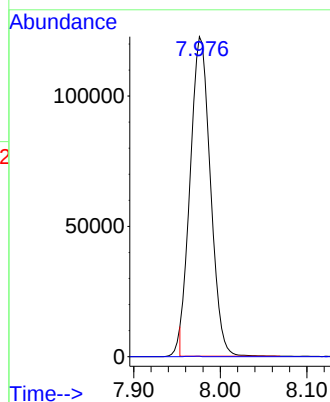
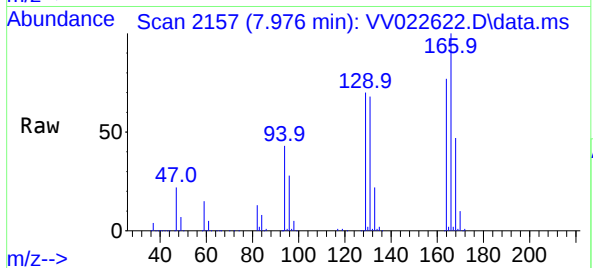
Acq: 06 Oct 2021 14:13

Tgt Ion:129 Resp: 197879

Ion Ratio Lower Upper

129 100

127 0.1 52.6 97.6#



#61

1,2,3-Trichloropropane

Concen: 1.422 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.977 min

Lab File: VV022622.D

Acq: 06 Oct 2021 14:13

Tgt Ion: 75 Resp: 5084

Ion Ratio Lower Upper

75 100

77 35.4 26.1 39.1

110 2.3 33.0 49.6#

