

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052621\
 Data File : VW021422.D
 Acq On : 26 May 2021 13:50
 Operator : SY/MD
 Sample : M2496-18
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB458

Quant Time: May 27 02:04:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu May 27 02:03:26 2021
 Response via : Initial Calibration

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

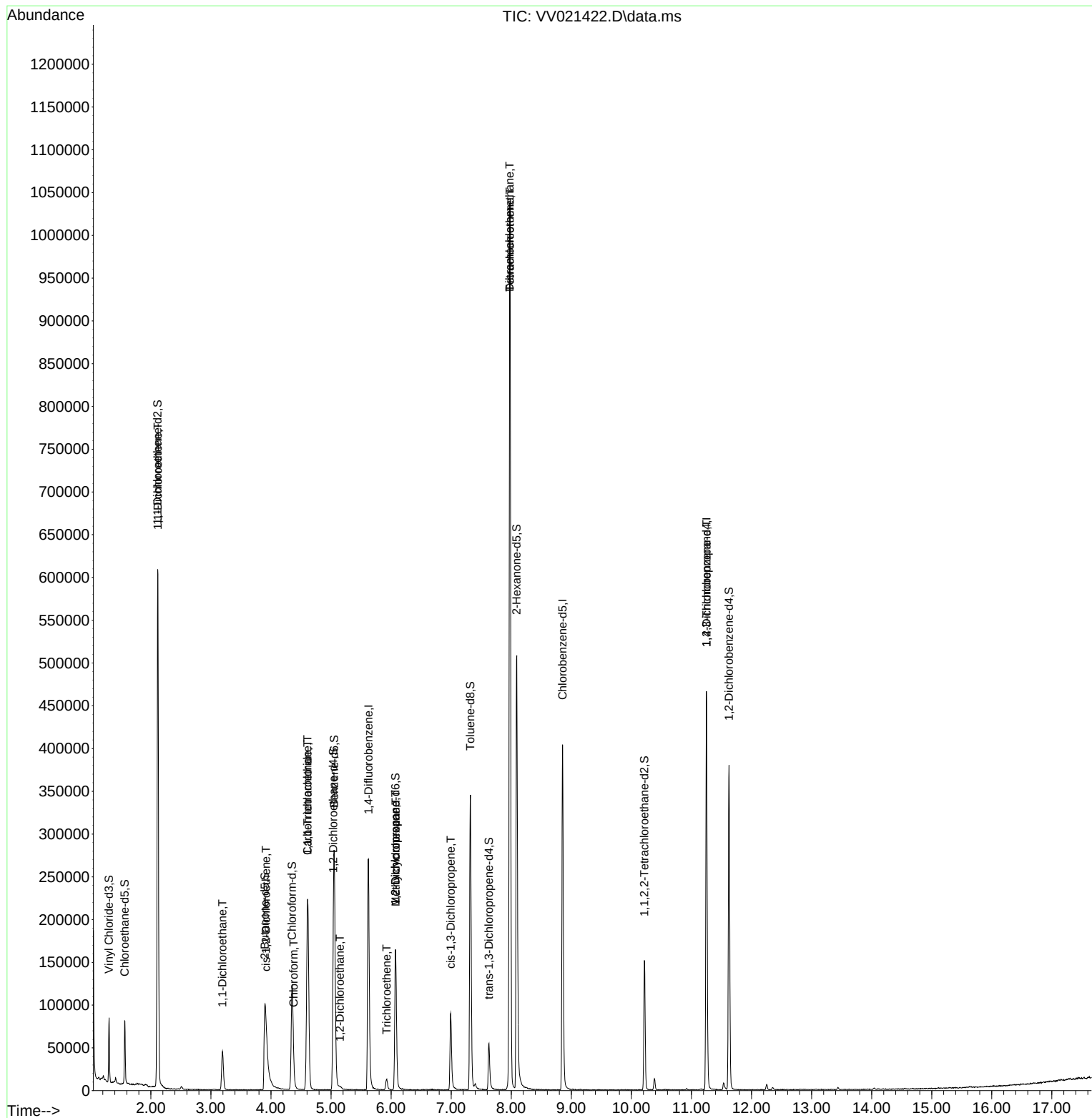
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	251199	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	236070	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	131937	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	45777	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.565	69	45840	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.114	63	146652	7.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	145.60%#
20) 2-Butanone-d5	3.899	46	216898	56.77	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.54%
24) Chloroform-d	4.352	84	131488	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.037	65	66400	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.053	84	258220	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.072	67	84749	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.320	98	236951	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloroprop...	7.629	79	34336	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.088	63	197610	54.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.48%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	73111	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
66) 1,2-Dichlorobenzene-d4	11.625	152	108269	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.118	96	175235	14.06	ug/L	90
19) 1,1-Dichloroethane	3.192	63	46488	1.69	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	2611	0.15	ug/L	90
25) Chloroform	4.378	83	3268	0.12	ug/L	93
27) 1,2-Dichloroethane	5.146	62	2813	0.18	ug/L	98
29) 1,1,1-Trichloroethane	4.609	97	189387	7.15	ug/L	98
31) Carbon tetrachloride	4.609	117	26266	1.09	ug/L	97
34) Trichloroethene	5.928	95	4130	0.24	ug/L	87
35) Methylcyclohexane	6.076	83	20914	0.75	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	9225	0.60	ug/L #	85
39) cis-1,3-Dichloropropene	6.992	75	2283	0.09	ug/L #	32
47) Tetrachloroethene	7.979	164	251600	16.31	ug/L	96
49) Dibromochloromethane	7.976	129	216974	14.14	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	13005	1.39	ug/L #	65

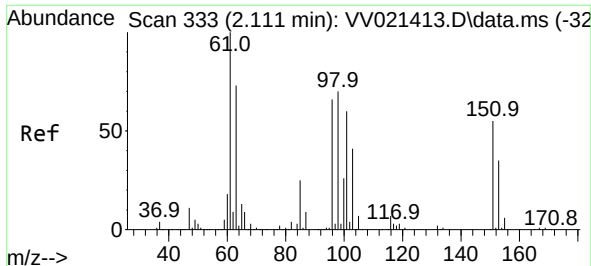
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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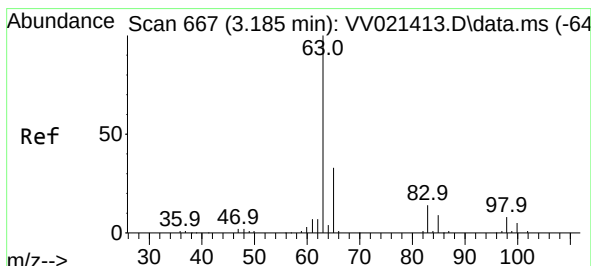
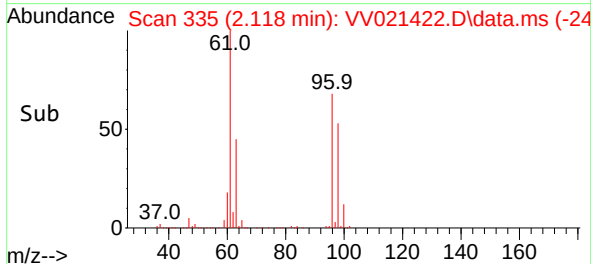
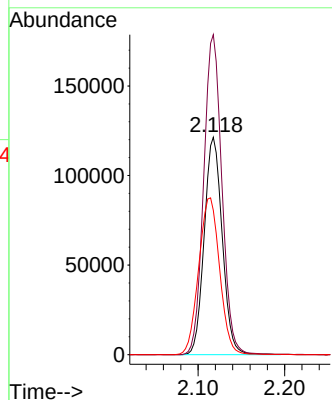
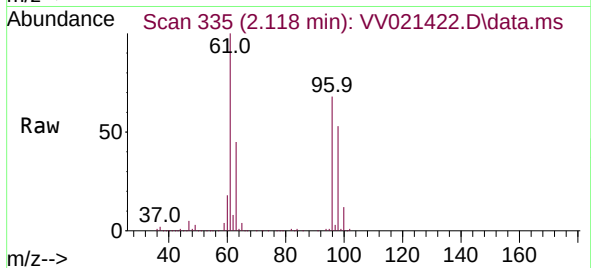




#12
1,1-Dichloroethene
Concen: 14.06 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

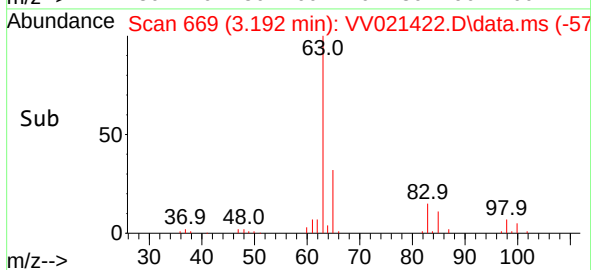
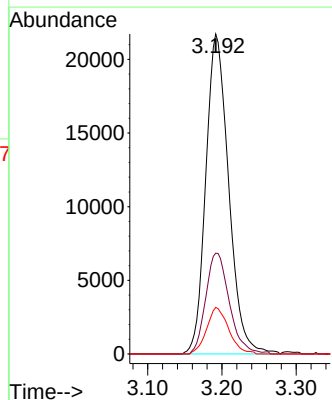
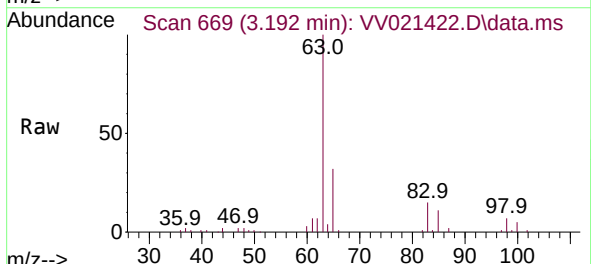
Instrument :
MSVOA_V
ClientSampled :
GB458

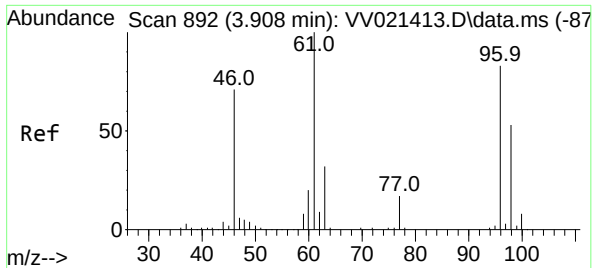
Tgt Ion: 96 Resp: 175235
Ion Ratio Lower Upper
96 100
61 147.1 103.7 192.5
63 66.3 62.4 115.8



#19
1,1-Dichloroethane
Concen: 1.69 ug/L
RT: 3.192 min Scan# 669
Delta R.T. 0.007 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

Tgt Ion: 63 Resp: 46488
Ion Ratio Lower Upper
63 100
65 31.5 23.2 43.2
83 14.6 9.4 17.4





#22

cis-1,2-Dichloroethene

Concen: 0.15 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

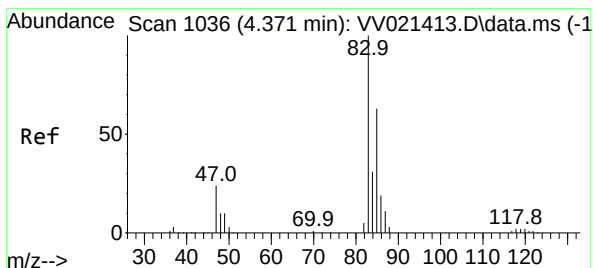
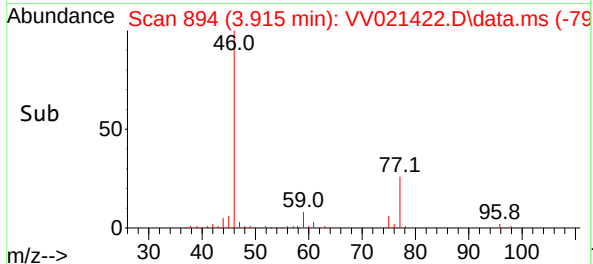
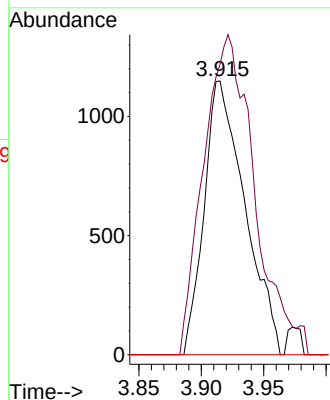
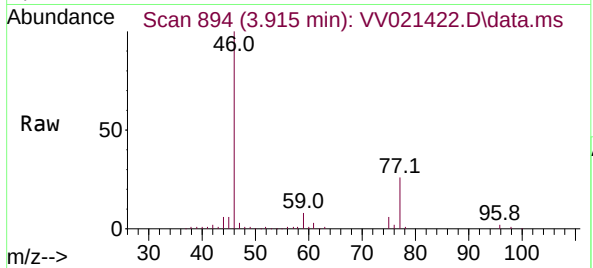
Lab File: VV021422.D

Acq: 26 May 2021 13:50

Tgt Ion: 96 Resp: 2611

Ion	Ratio	Lower	Upper
96	100		
61	106.1	81.9	152.1
68	0.0	0.0	0.0

Instrument :
MSVOA_V
ClientSampled :
GB458



#25

Chloroform

Concen: 0.12 ug/L

RT: 4.378 min Scan# 1038

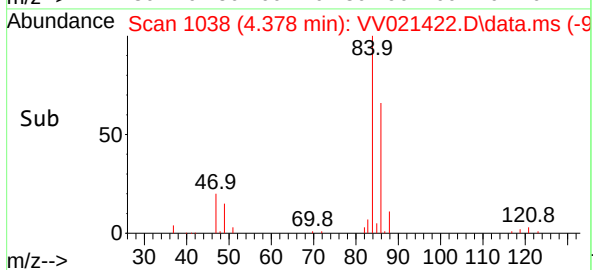
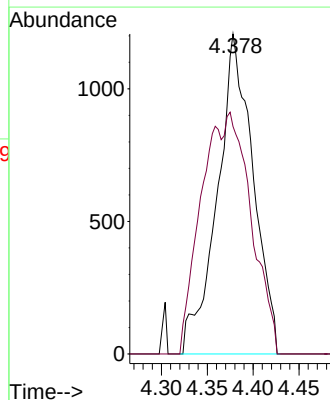
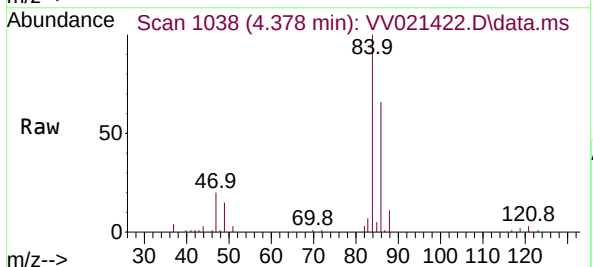
Delta R.T. 0.006 min

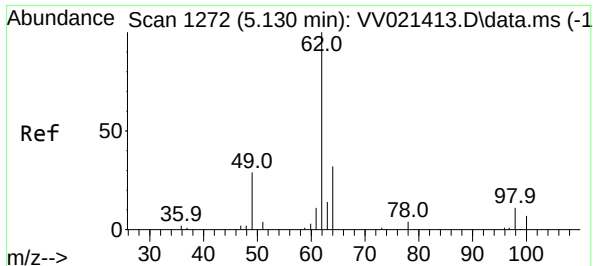
Lab File: VV021422.D

Acq: 26 May 2021 13:50

Tgt Ion: 83 Resp: 3268

Ion	Ratio	Lower	Upper
83	100		
85	71.1	45.8	85.2





#27

1,2-Dichloroethane

Concen: 0.18 ug/L

RT: 5.146 min Scan# 1277

Delta R.T. 0.016 min

Lab File: VV021422.D

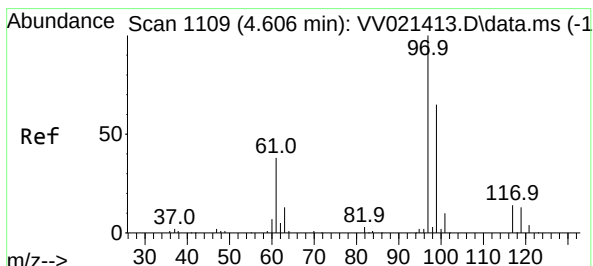
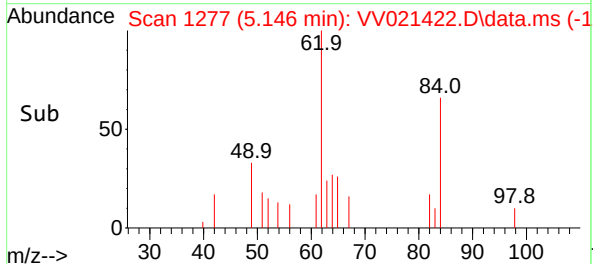
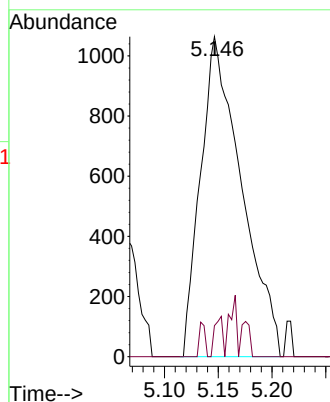
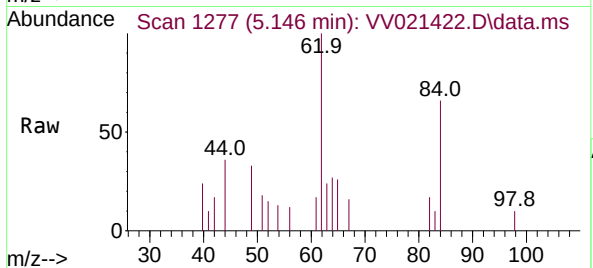
Acq: 26 May 2021 13:50

Tgt Ion: 62 Resp: 2813

Ion Ratio Lower Upper

62 100

98 9.7 8.4 12.6



#29

1,1,1-Trichloroethane

Concen: 7.15 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.003 min

Lab File: VV021422.D

Acq: 26 May 2021 13:50

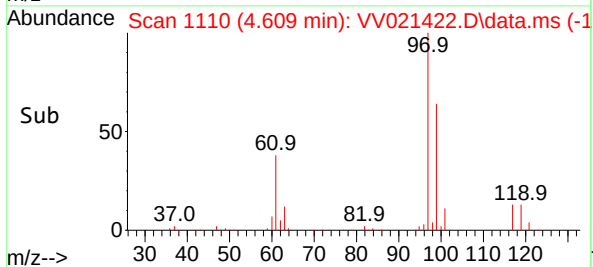
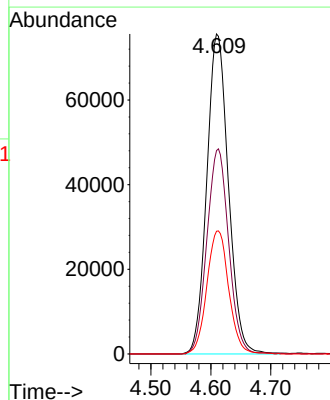
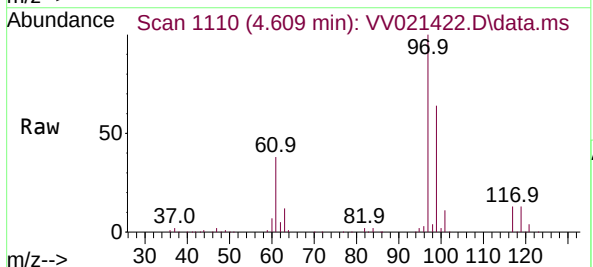
Tgt Ion: 97 Resp: 189387

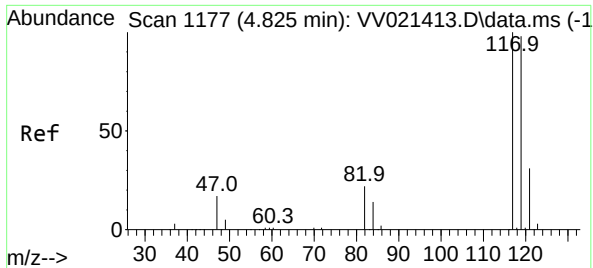
Ion Ratio Lower Upper

97 100

99 64.7 50.6 75.8

61 39.0 30.4 45.6

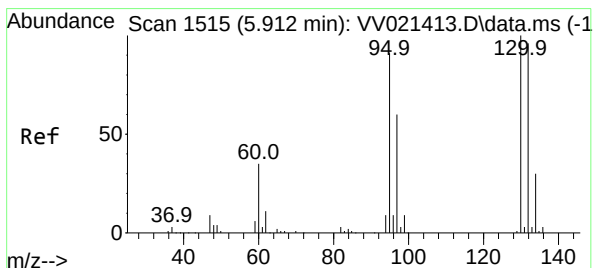
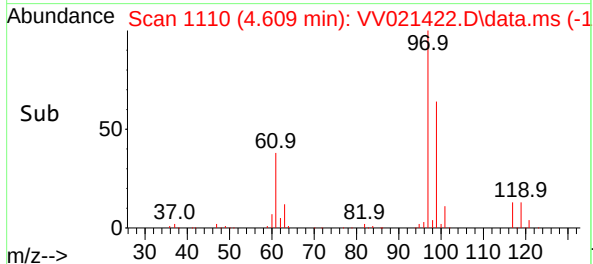
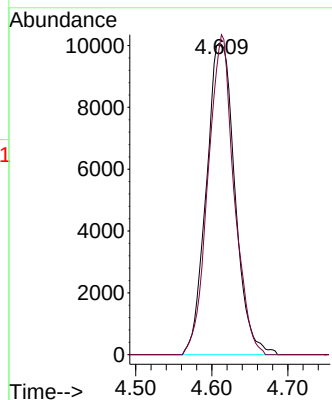
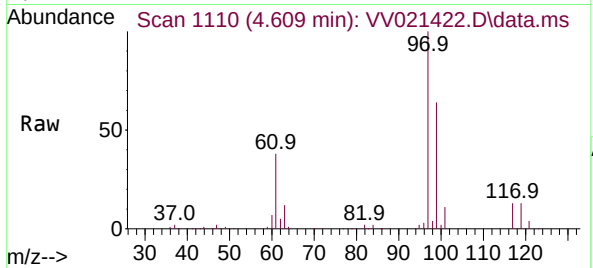




#31
Carbon tetrachloride
Concen: 1.09 ug/L
RT: 4.609 min Scan# 1110
Delta R.T. -0.215 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

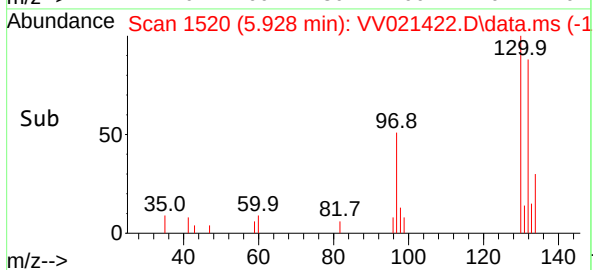
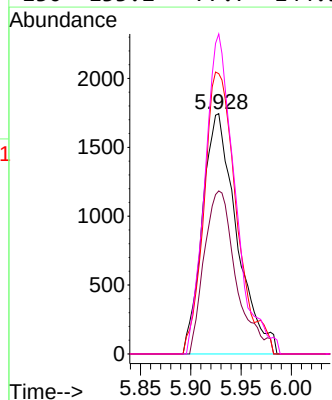
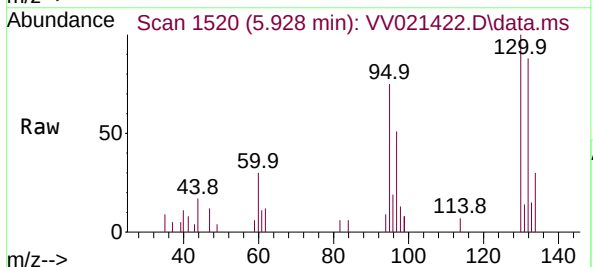
Instrument :
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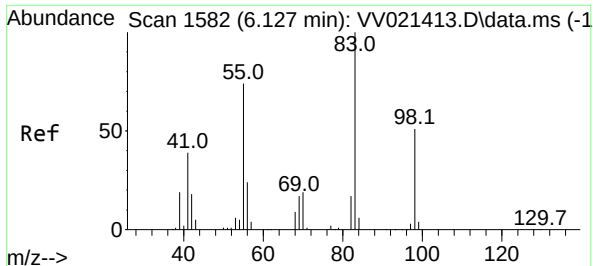
Tgt Ion:117 Resp: 26266
Ion Ratio Lower Upper
117 100
119 93.6 77.0 115.6



#34
Trichloroethene
Concen: 0.24 ug/L
RT: 5.928 min Scan# 1520
Delta R.T. 0.016 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

Tgt Ion: 95 Resp: 4130
Ion Ratio Lower Upper
95 100
97 67.8 45.4 84.4
132 116.7 74.5 138.3
130 133.2 77.7 144.3





#35

Methylcyclohexane

Concen: 0.75 ug/L

RT: 6.076 min Scan# 1566

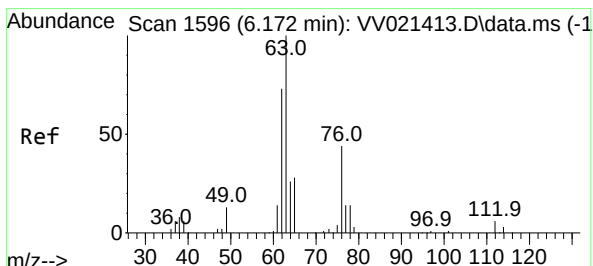
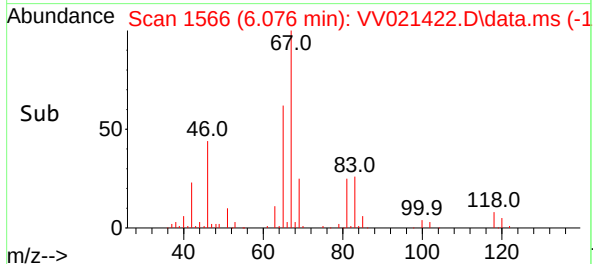
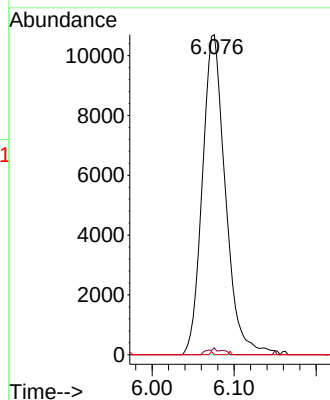
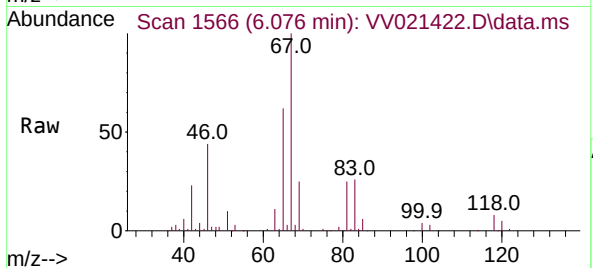
Delta R.T. -0.051 min

Lab File: VV021422.D

Acq: 26 May 2021 13:50

Tgt Ion:	83	Resp:	20914
Ion Ratio	Lower	Upper	
83	100		
55	0.9	57.7	86.5#
98	0.1	40.6	61.0#

Instrument :
MSVOA_V
ClientSampleId :
GB458



#37

1,2-Dichloropropane

Concen: 0.60 ug/L

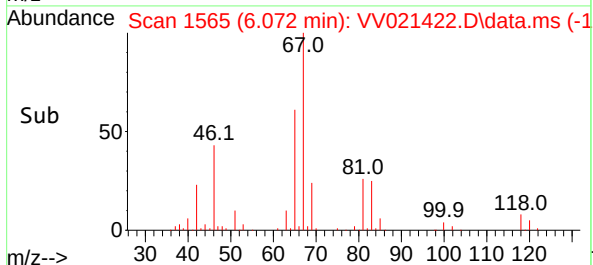
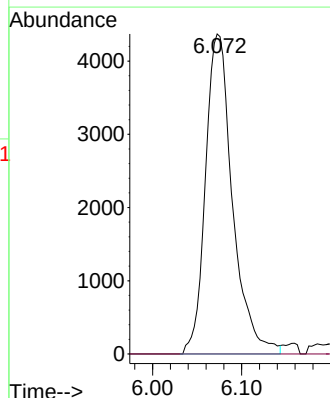
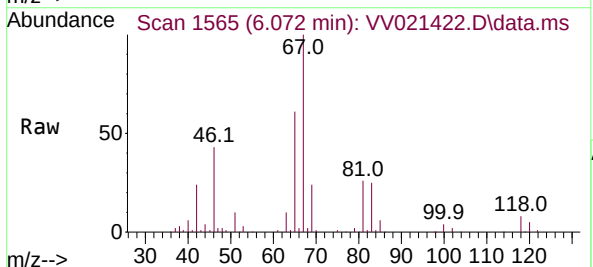
RT: 6.072 min Scan# 1565

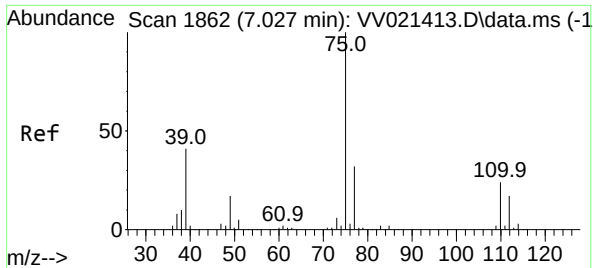
Delta R.T. -0.100 min

Lab File: VV021422.D

Acq: 26 May 2021 13:50

Tgt Ion:	63	Resp:	9225
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.8	5.8#

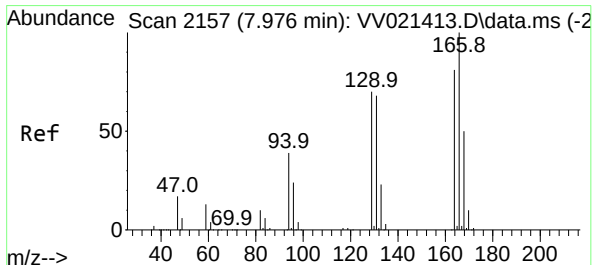
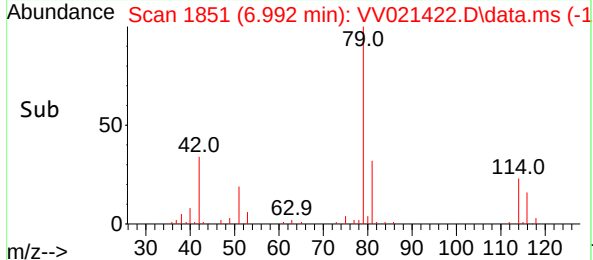
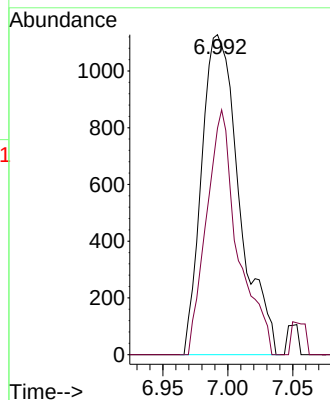
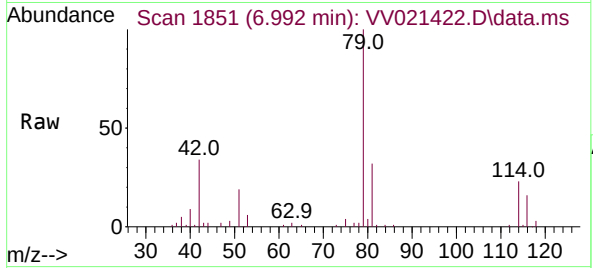




#39
cis-1,3-Dichloropropene
Concen: 0.09 ug/L
RT: 6.992 min Scan# 1851
Delta R.T. -0.035 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

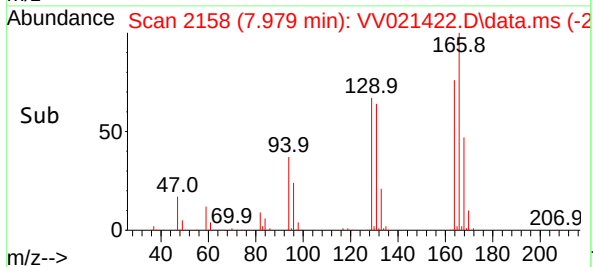
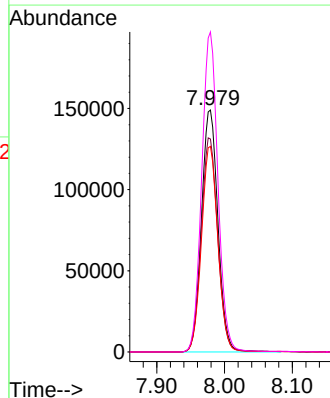
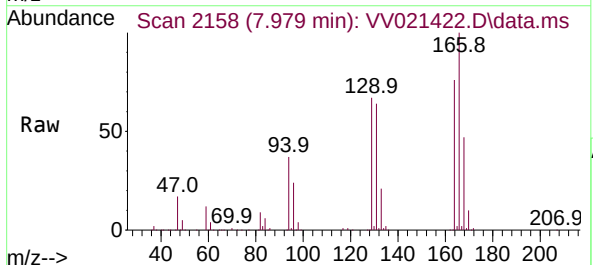
Instrument :
MSVOA_V
ClientSampled :
GB458

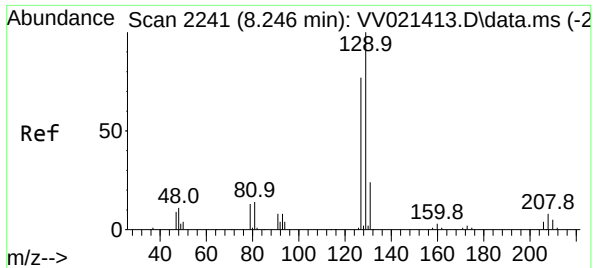
Tgt Ion: 75 Resp: 2283
Ion Ratio Lower Upper
75 100
77 70.7 22.8 42.4#



#47
Tetrachloroethene
Concen: 16.31 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV021422.D
Acq: 26 May 2021 13:50

Tgt Ion: 164 Resp: 251600
Ion Ratio Lower Upper
164 100
129 88.1 61.8 114.8
131 85.0 57.8 107.4
166 132.3 87.4 162.4





#49

Dibromochloromethane

Concen: 14.14 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV021422.D

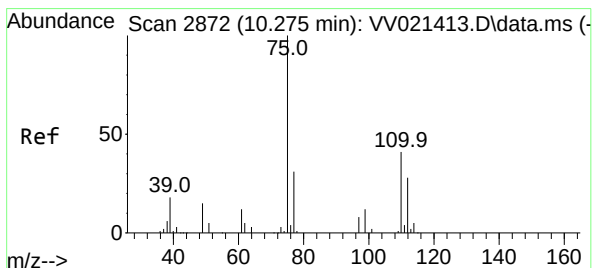
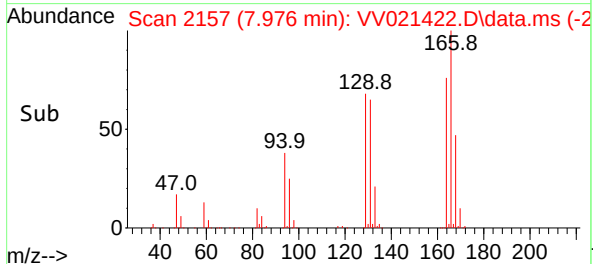
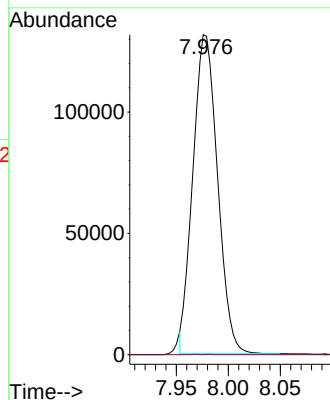
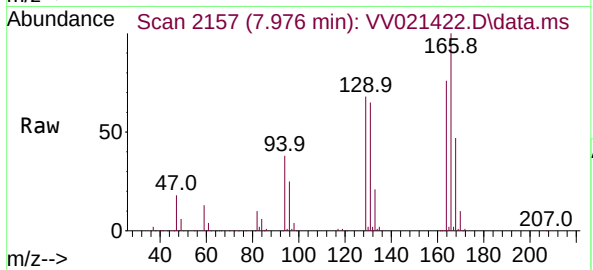
Acq: 26 May 2021 13:50

Tgt Ion:129 Resp: 216974

Ion Ratio Lower Upper

129 100

127 0.0 55.4 103.0#



#61

1,2,3-Trichloropropane

Concen: 1.39 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV021422.D

Acq: 26 May 2021 13:50

Tgt Ion: 75 Resp: 13005

Ion Ratio Lower Upper

75 100

77 34.0 27.3 40.9

110 2.6 34.2 51.2#

