

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101421\
 Data File : VW022825.D
 Acq On : 15 Oct 2021 04:39
 Operator : SY/MD
 Sample : M4223-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC6

Quant Time: Oct 16 03:58:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 03:54:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119376	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	122424	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	56592	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36339	4.424	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.568	69	29078	3.940	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.108	63	52518	3.260	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.200%
20) 2-Butanone-d5	3.889	46	90117	41.846	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.700%
24) Chloroform-d	4.352	84	87716	5.182	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.037	65	40848	4.972	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.053	84	172554	4.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.072	67	53857	4.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.317	98	146310	4.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.800%
43) trans-1,3-Dichloroprop...	7.625	79	15490	4.326	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.600%
46) 2-Hexanone-d5	8.088	63	70968	49.186	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.380%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	36359	4.973	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	56742	5.408	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.200%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.111	96	566	0.078	ug/L #	1
13) Acetone	2.179	43	28752	23.943	ug/L #	46
15) Methyl Acetate	2.179	43	26580	7.736	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	18687	1.071	ug/L	98
18) trans-1,2-Dichloroethene	2.767	96	660	0.084	ug/L #	65
22) cis-1,2-Dichloroethene	3.918	96	16780	2.038	ug/L	88
34) Trichloroethene	5.921	95	9047	1.009	ug/L	98
35) Methylcyclohexane	6.072	83	13191	1.050	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	5780	0.729	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1194	0.114	ug/L	93
42) Toluene	7.400	91	5189	0.155	ug/L	85
45) 1,1,2-Trichloroethane	7.979	97	666	0.113	ug/L #	3
47) Tetrachloroethene	7.976	164	81863	11.289	ug/L	98
48) 2-Hexanone	8.092	43	8797	2.824	ug/L #	68
49) Dibromochloromethane	7.976	129	71338	10.356	ug/L #	7
53) m,p-xylene	9.143	106	1133	0.085	ug/L	75
60) Isopropylbenzene	10.461	105	1782	0.062	ug/L #	80
61) 1,2,3-Trichloropropane	11.252	75	6598	1.678	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.921	105	2561	0.110	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Oct 16 03:54:29 2021
Response via : Initial Calibration

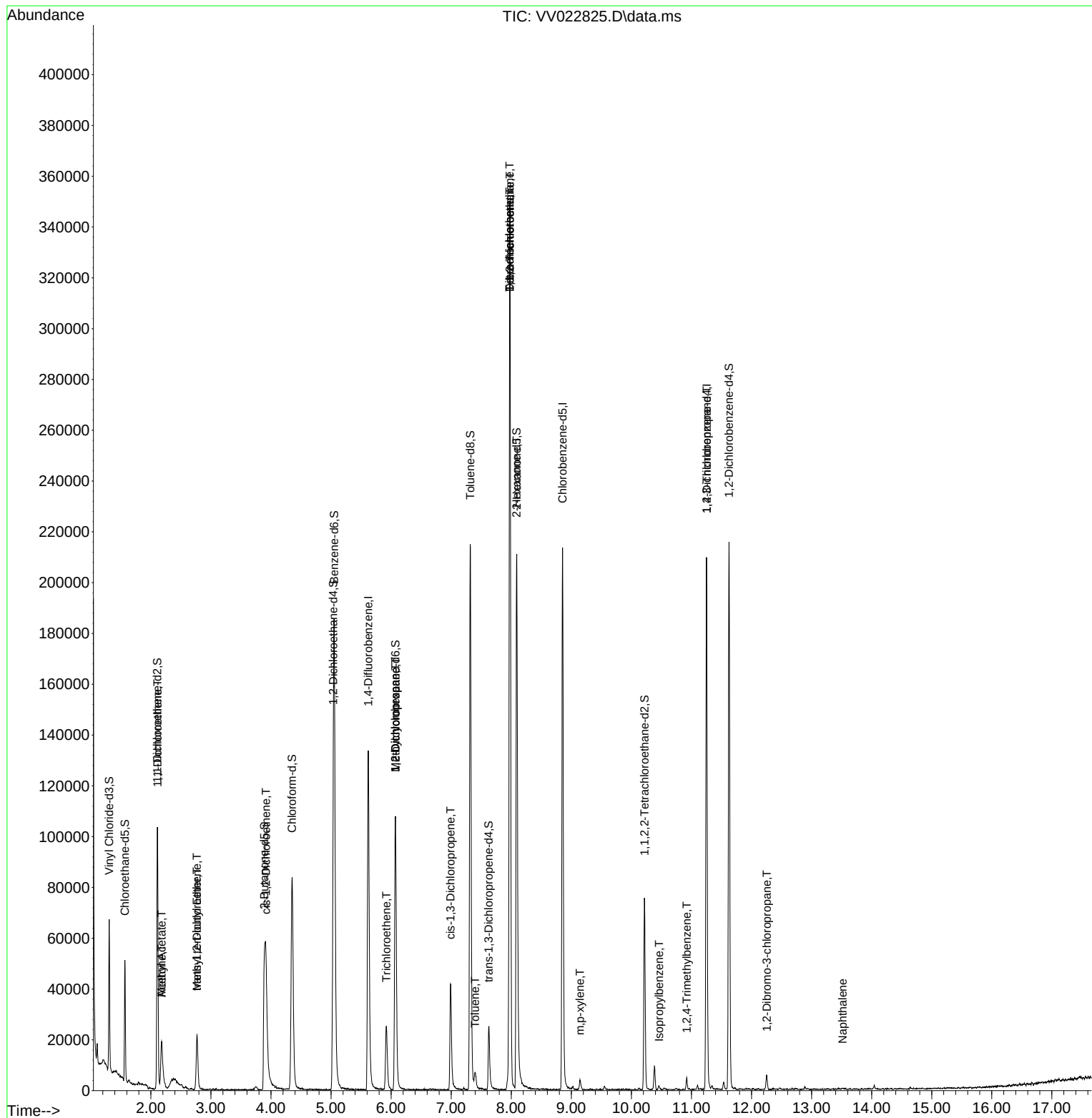
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	12.255	75	196	0.274	ug/L #	1
71) Naphthalene	13.516	128	959	0.069	ug/L #	68

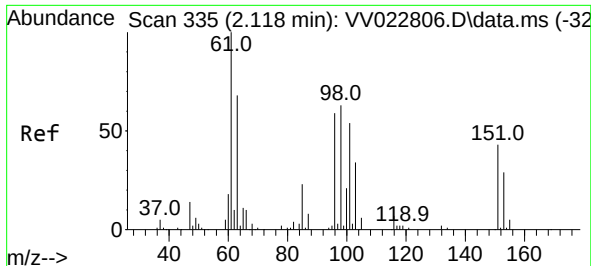
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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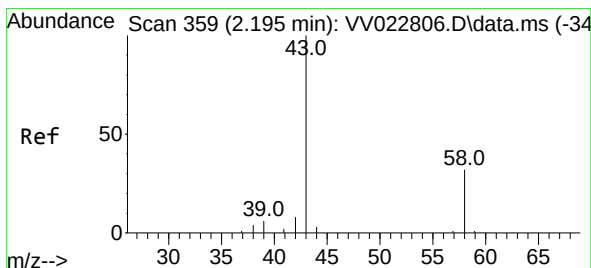
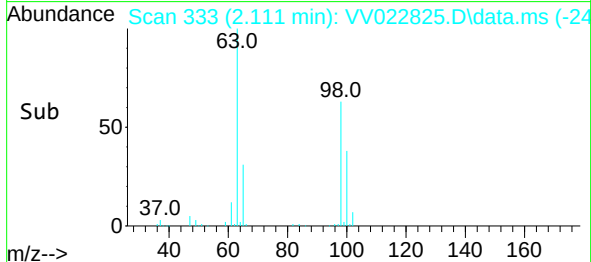
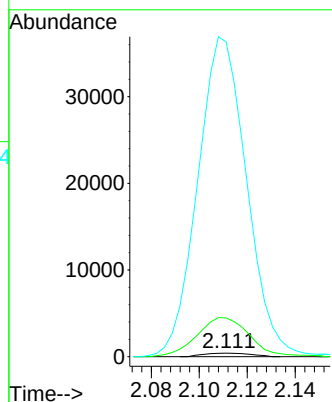
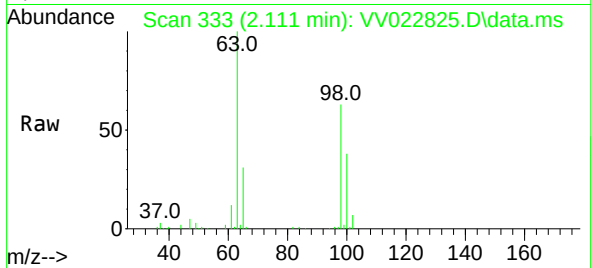




#12
1,1-Dichloroethene
Concen: 0.078 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

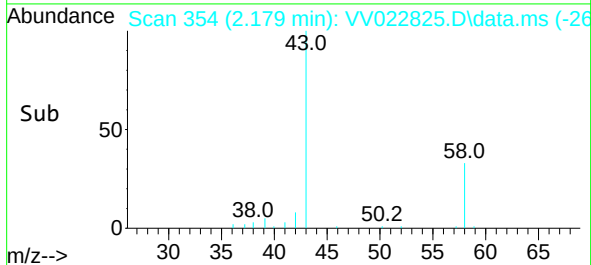
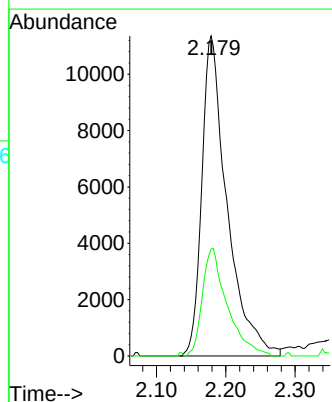
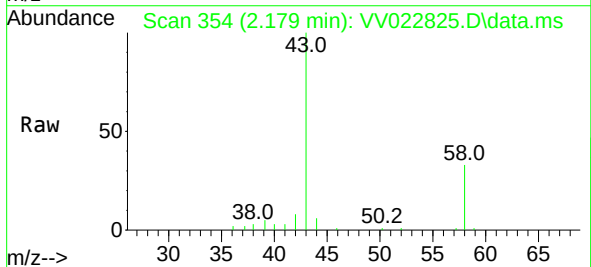
Instrument :
MSVOA_V
ClientSampled :
BFGC6

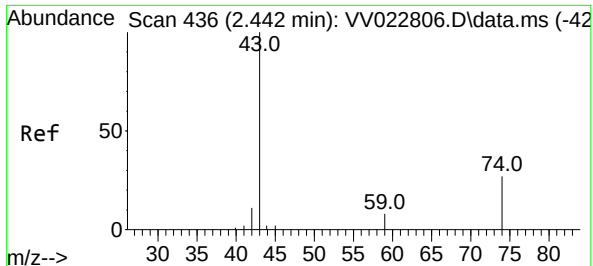
Tgt Ion: 96 Resp: 566
Ion Ratio Lower Upper
96 100
61 1111.4 127.3 236.5#
63 9034.8 106.2 197.2#



#13
Acetone
Concen: 23.943 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.016 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 43 Resp: 28752
Ion Ratio Lower Upper
43 100
58 33.1 0.0 24.2#

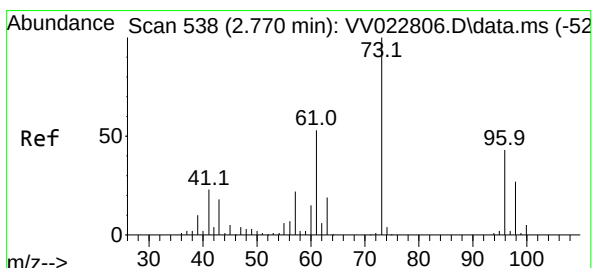
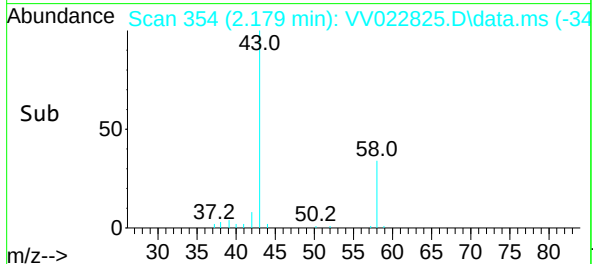
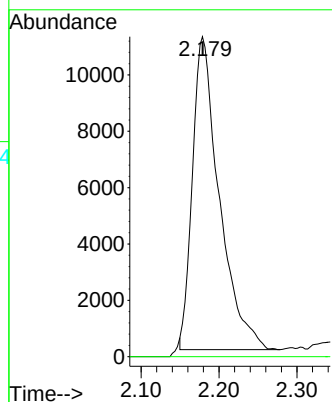
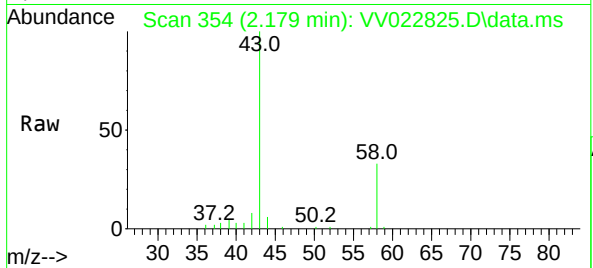




#15
Methyl Acetate
Concen: 7.736 ug/L
RT: 2.179 min Scan# 354
Delta R.T. -0.264 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

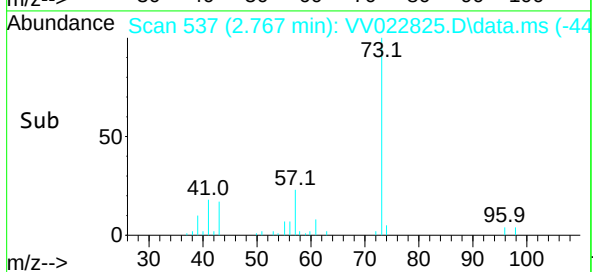
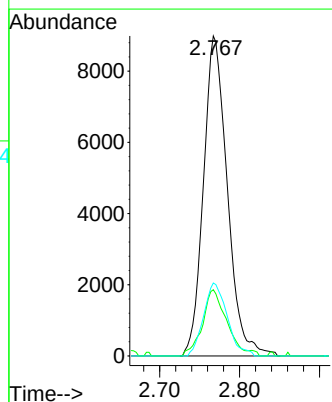
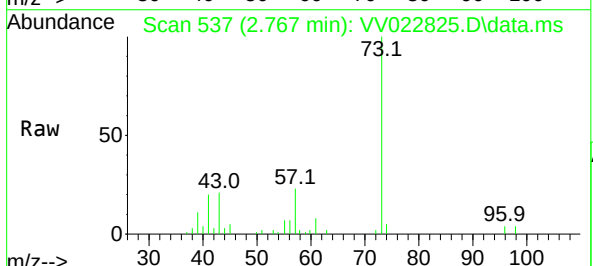
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MSVOA_V
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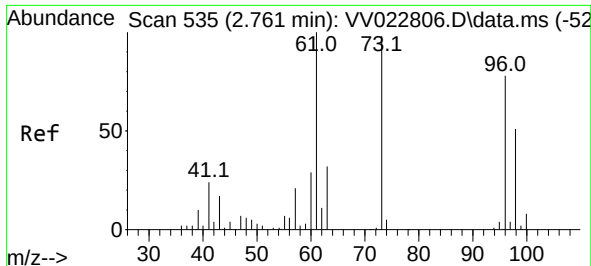
Tgt Ion: 43 Resp: 26580
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#17
Methyl tert-butyl Ether
Concen: 1.071 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.003 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 73 Resp: 18687
Ion Ratio Lower Upper
73 100
43 20.6 17.1 25.7
57 22.5 17.2 25.8

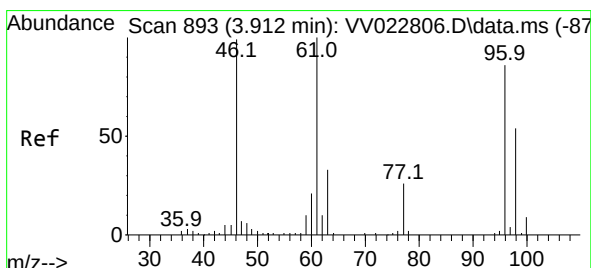
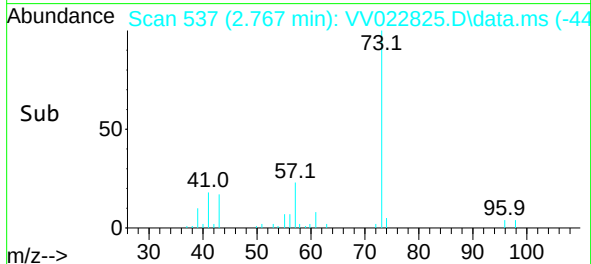
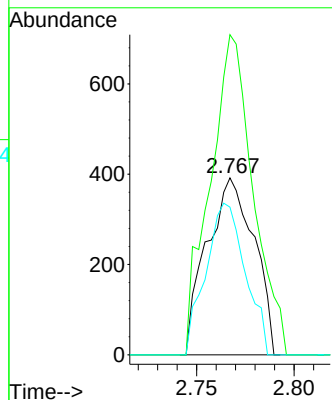
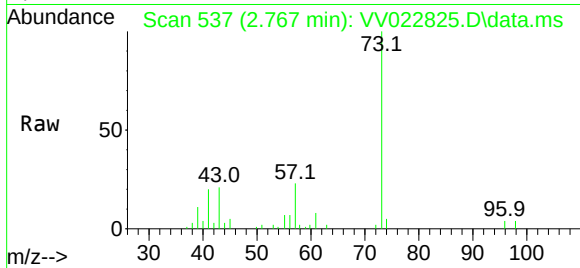




#18
trans-1,2-Dichloroethene
Concen: 0.084 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.007 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

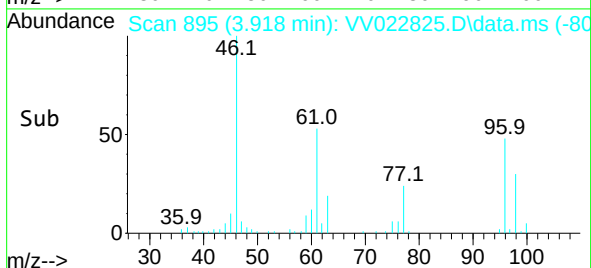
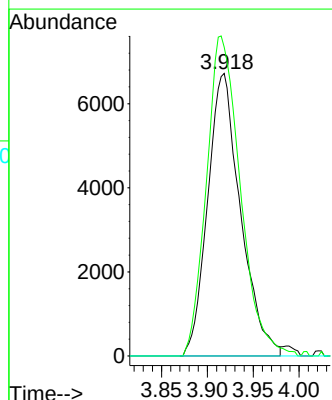
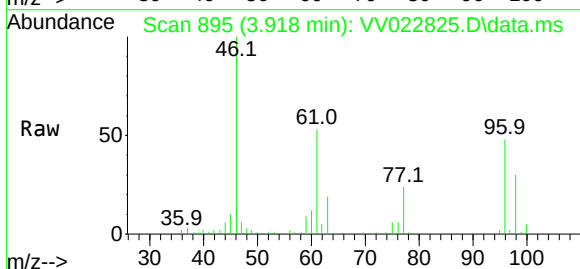
Instrument :
MSVOA_V
ClientSampleId :
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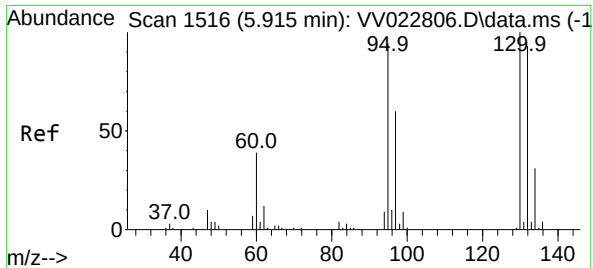
Tgt Ion: 96 Resp: 660
Ion Ratio Lower Upper
96 100
61 180.9 94.5 175.5#
98 83.4 44.2 82.0#



#22
cis-1,2-Dichloroethene
Concen: 2.038 ug/L
RT: 3.918 min Scan# 895
Delta R.T. 0.007 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 96 Resp: 16780
Ion Ratio Lower Upper
96 100
61 109.3 86.0 159.6
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 1.009 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.007 min

Lab File: VV022825.D

Acq: 15 Oct 2021 04:39

Tgt Ion: 95 Resp: 9047

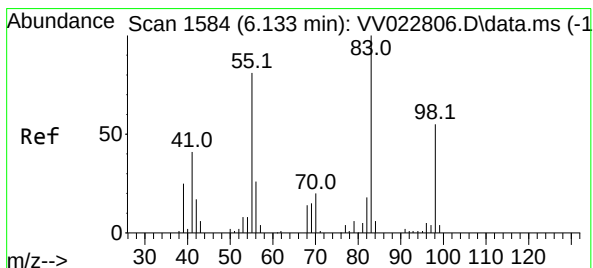
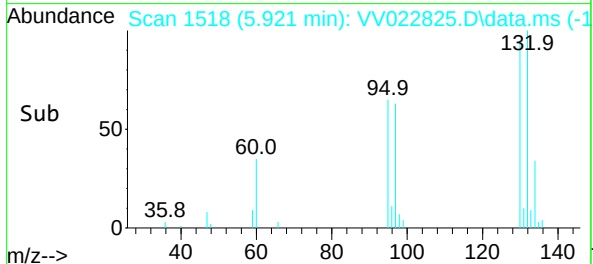
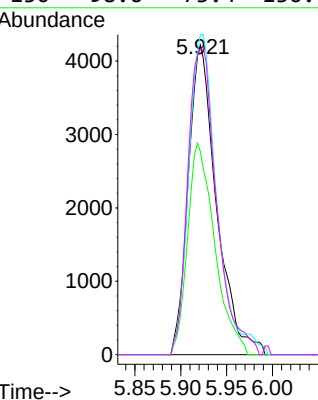
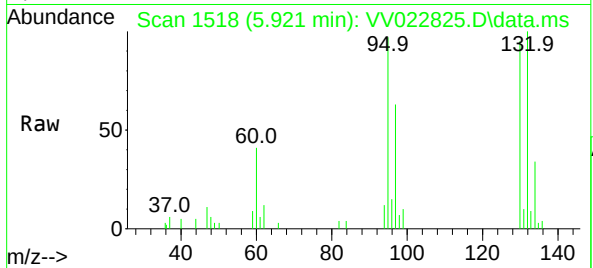
Ion Ratio Lower Upper

95 100

97 65.6 45.8 85.2

132 103.3 72.2 134.0

130 98.6 73.4 136.4



#35

Methylcyclohexane

Concen: 1.050 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV022825.D

Acq: 15 Oct 2021 04:39

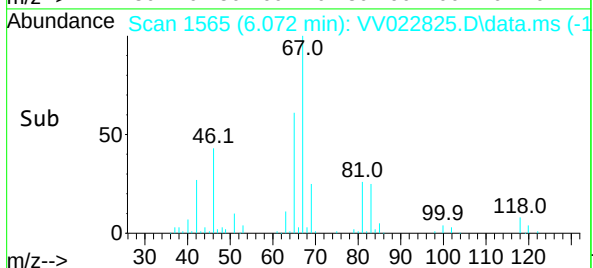
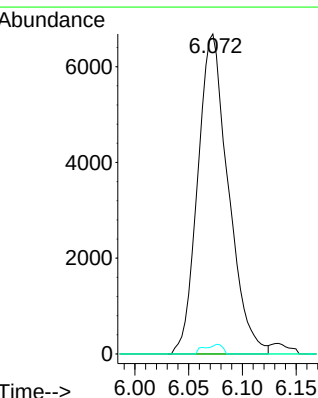
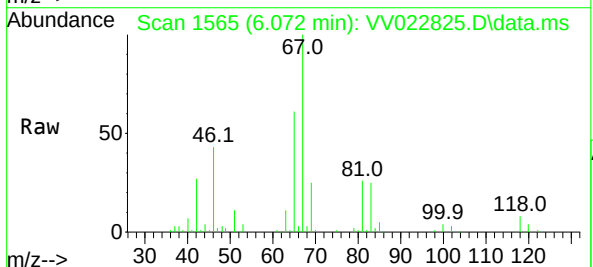
Tgt Ion: 83 Resp: 13191

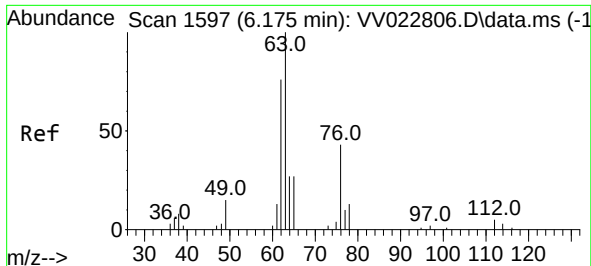
Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.6#

98 1.8 42.1 63.1#



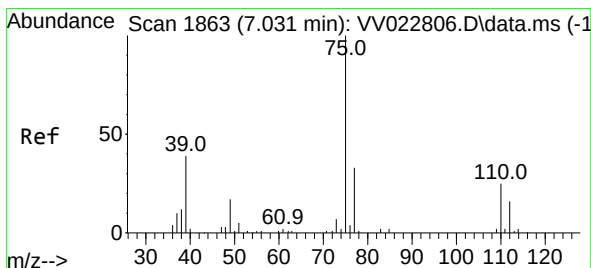
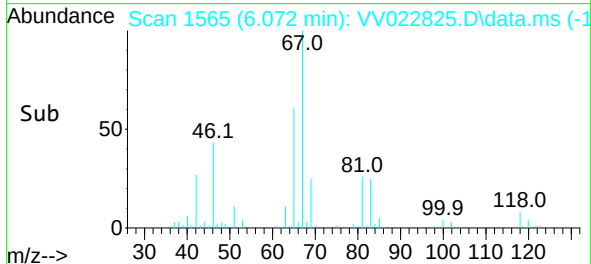
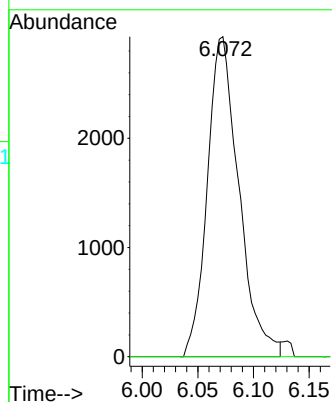
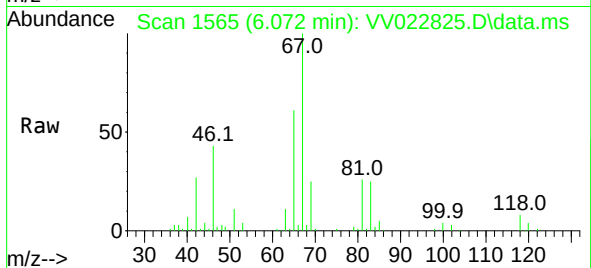


#37

1,2-Dichloropropane
Concen: 0.729 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Instrument :
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ClientSampled :
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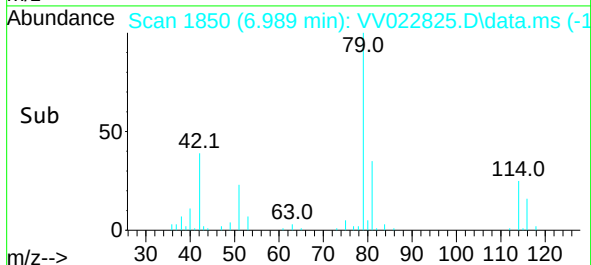
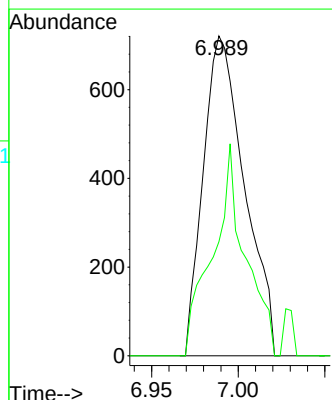
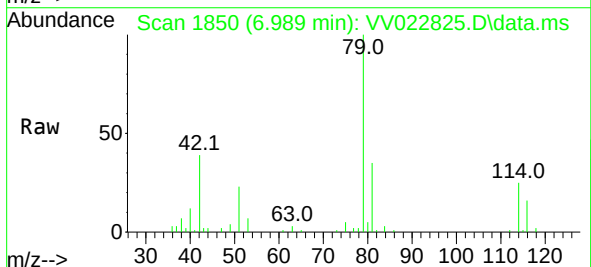
Tgt Ion: 63 Resp: 5780
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

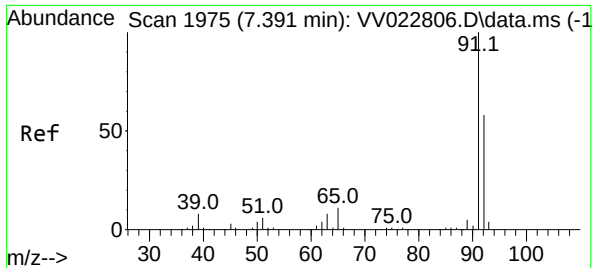


#39

cis-1,3-Dichloropropene
Concen: 0.114 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 75 Resp: 1194
Ion Ratio Lower Upper
75 100
77 35.6 22.3 41.3

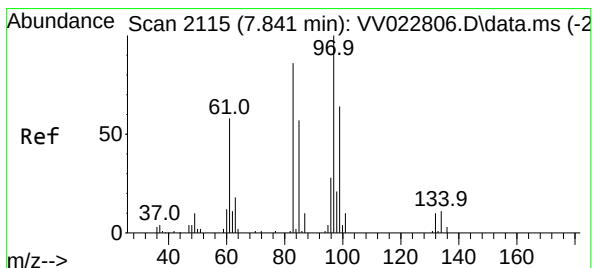
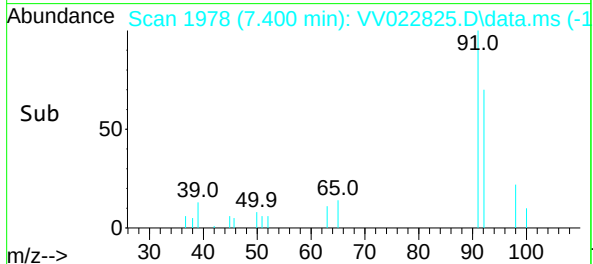
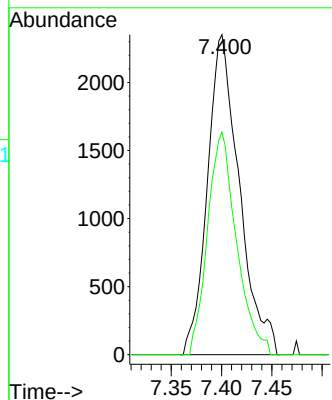
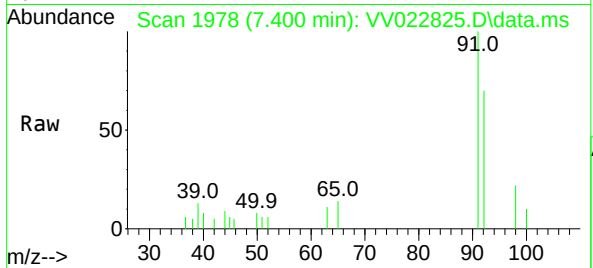




#42
Toluene
Concen: 0.155 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.010 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

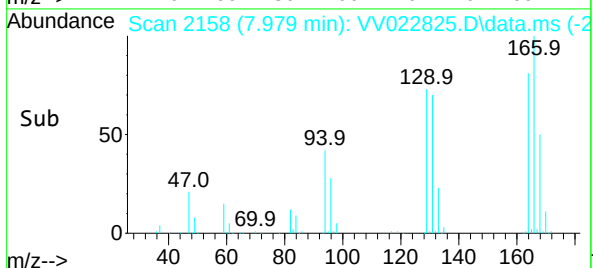
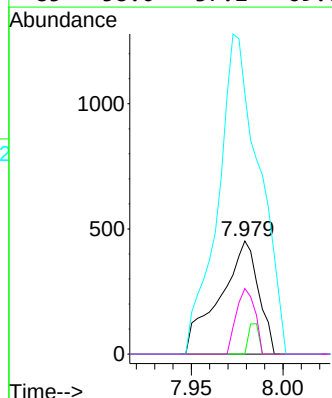
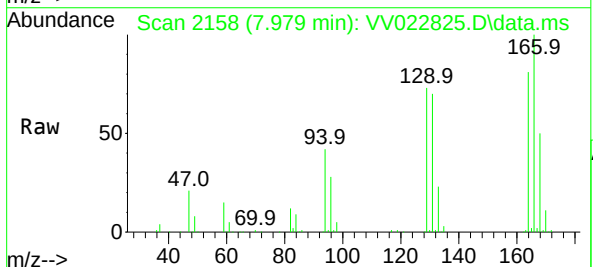
Instrument :
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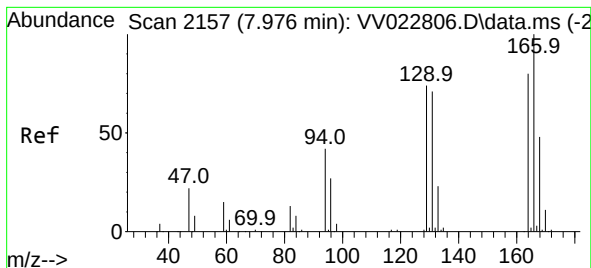
Tgt Ion: 91 Resp: 5189
Ion Ratio Lower Upper
91 100
92 69.5 40.7 75.7



#45
1,1,2-Trichloroethane
Concen: 0.113 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. 0.138 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 97 Resp: 666
Ion Ratio Lower Upper
97 100
99 0.0 44.5 82.7#
83 230.5 56.6 105.0#
85 58.0 37.2 69.0





#47

Tetrachloroethene

Concen: 11.289 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV022825.D

Acq: 15 Oct 2021 04:39

Instrument :

MSVOA_V

ClientSampled :

BFGC6

Tgt Ion:164 Resp: 81863

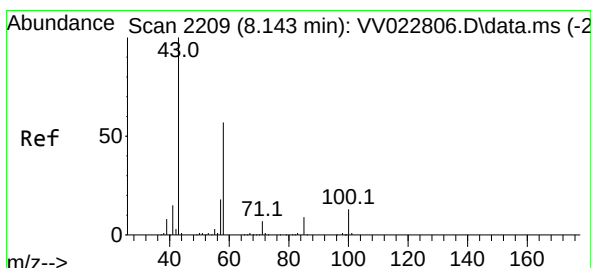
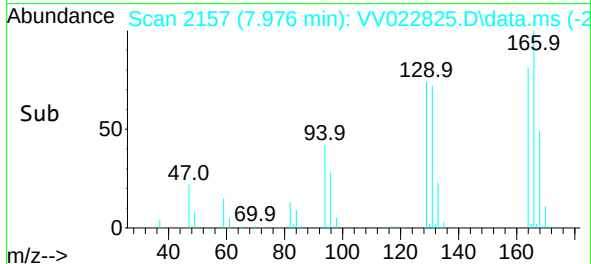
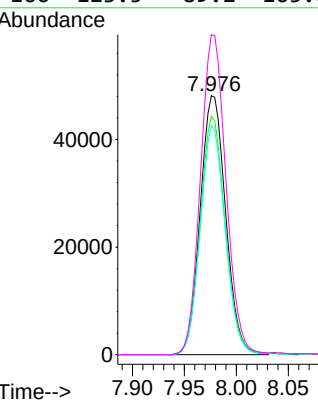
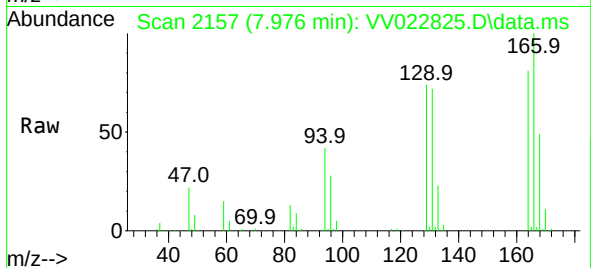
Ion Ratio Lower Upper

164 100

129 91.9 65.0 120.6

131 88.5 62.2 115.4

166 123.5 89.2 165.8



#48

2-Hexanone

Concen: 2.824 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. -0.051 min

Lab File: VV022825.D

Acq: 15 Oct 2021 04:39

Tgt Ion: 43 Resp: 8797

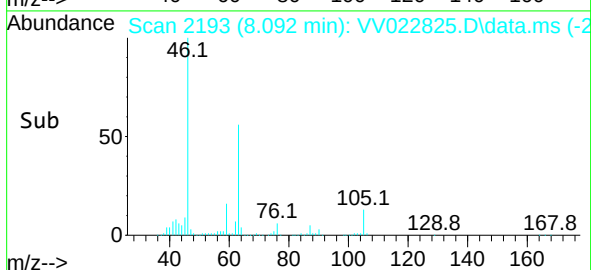
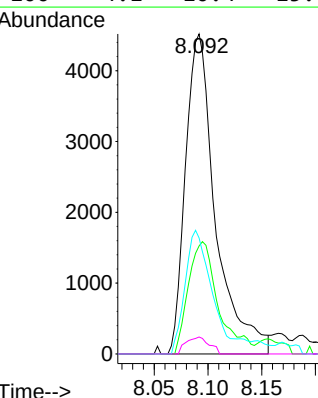
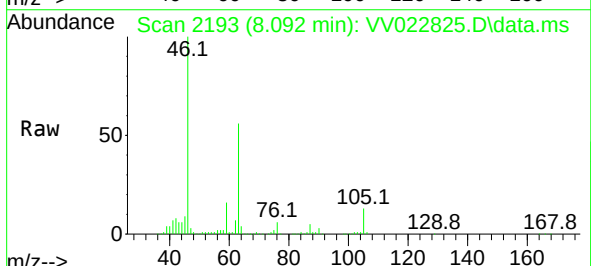
Ion Ratio Lower Upper

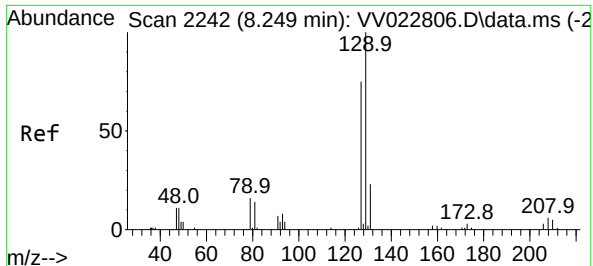
43 100

58 35.2 47.4 71.0#

57 36.0 15.3 22.9#

100 4.1 10.4 15.6#





#49

Dibromochloromethane

Concen: 10.356 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022825.D

Acq: 15 Oct 2021 04:39

Tgt Ion:129 Resp: 71338

Ion Ratio Lower Upper

129 100

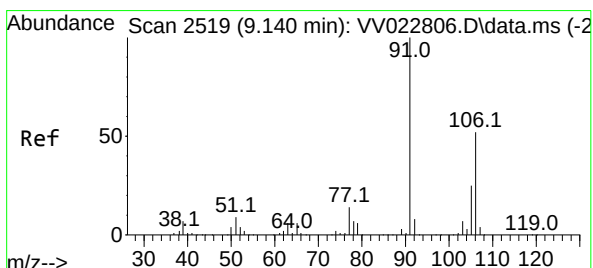
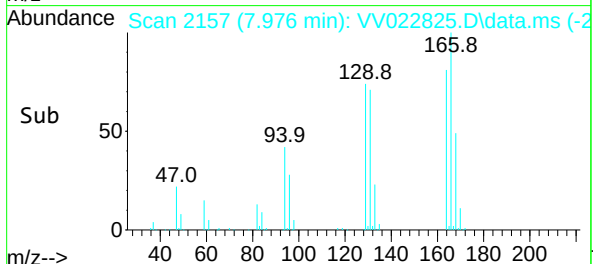
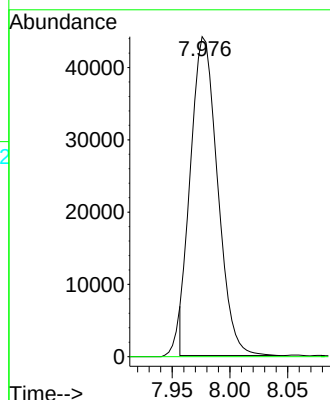
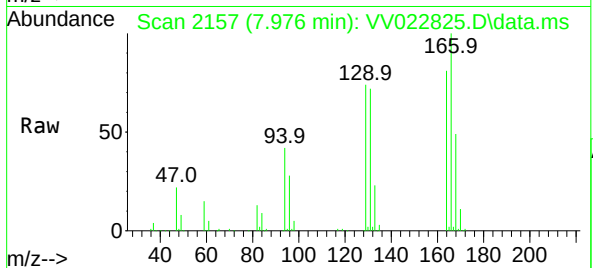
127 0.0 59.1 109.9#

Instrument :

MSVOA_V

ClientSampleId :

BFGC6



#53

m,p-xylene

Concen: 0.085 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VV022825.D

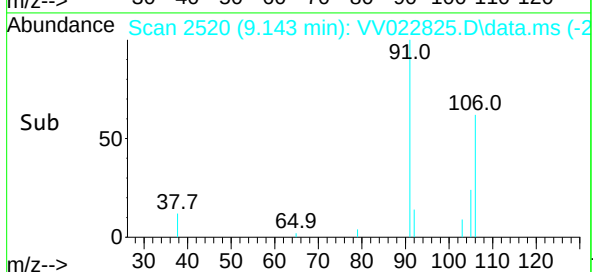
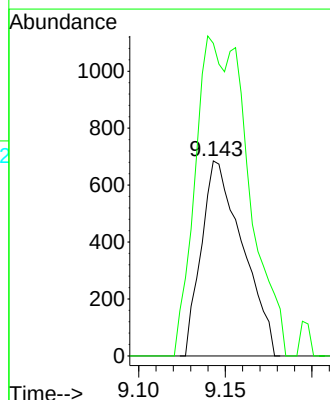
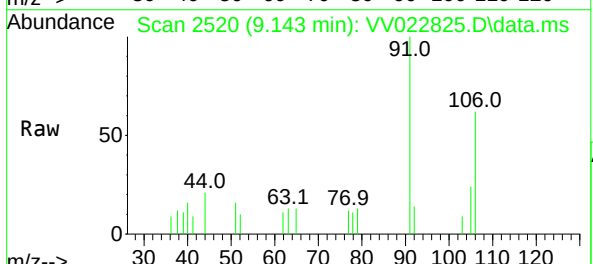
Acq: 15 Oct 2021 04:39

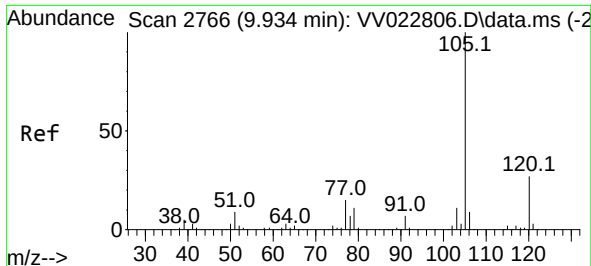
Tgt Ion:106 Resp: 1133

Ion Ratio Lower Upper

106 100

91 160.3 138.7 257.5

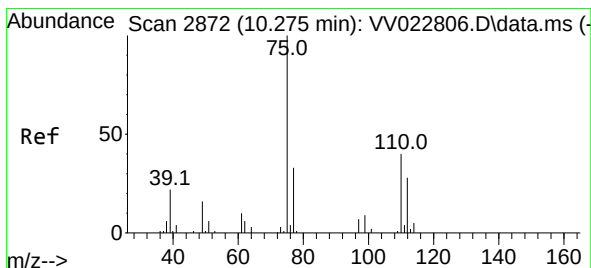
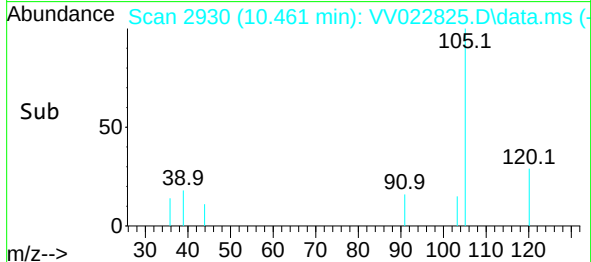
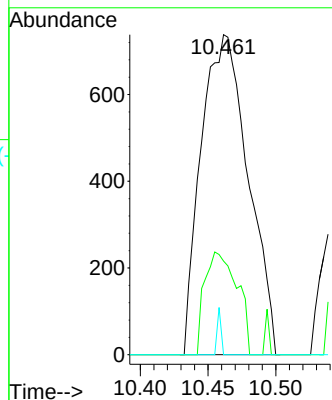
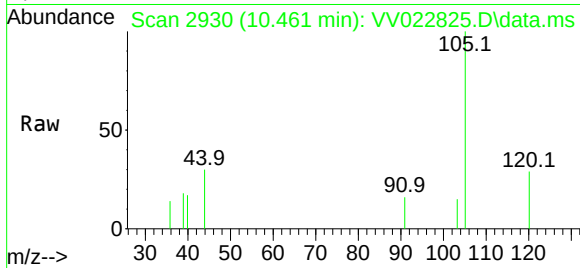




#60
Isopropylbenzene
Concen: 0.062 ug/L
RT: 10.461 min Scan# 2930
Delta R.T. 0.527 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

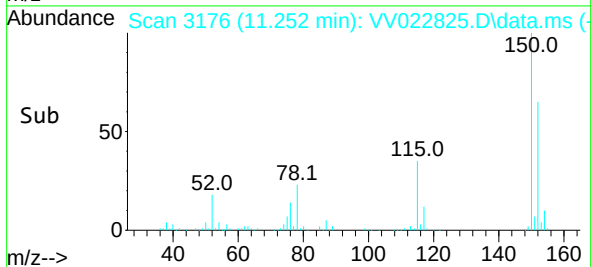
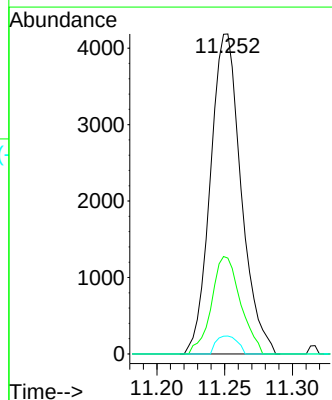
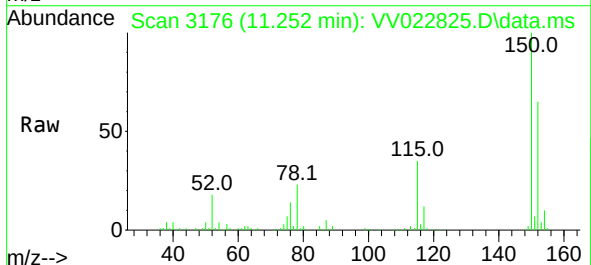
Instrument :
MSVOA_V
ClientSampleId :
BFGC6

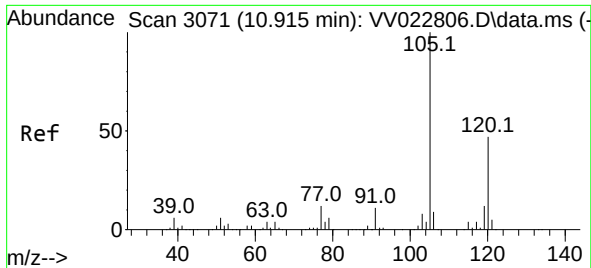
Tgt Ion:105 Resp: 1782
Ion Ratio Lower Upper
105 100
120 22.1 21.8 32.8
77 0.0 12.5 18.7#



#61
1,2,3-Trichloropropane
Concen: 1.678 ug/L
RT: 11.252 min Scan# 3176
Delta R.T. 0.978 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Tgt Ion: 75 Resp: 6598
Ion Ratio Lower Upper
75 100
77 28.7 25.4 38.2
110 3.9 34.2 51.4#

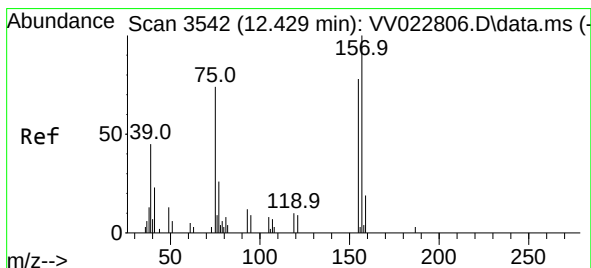
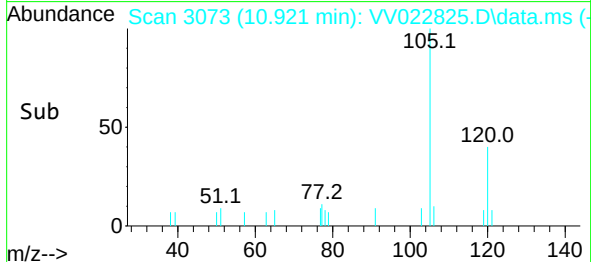
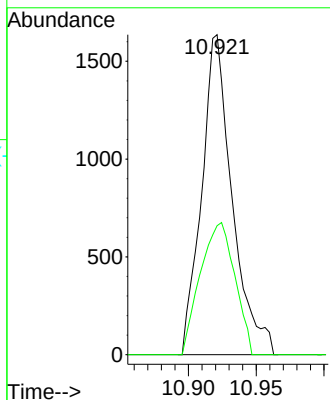
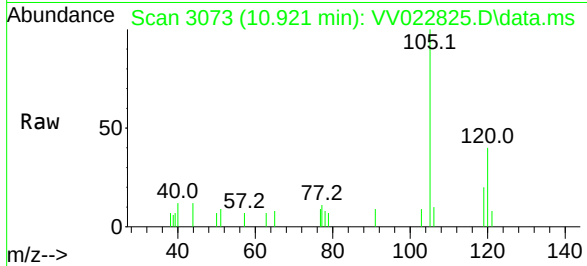




#63
1,2,4-Trimethylbenzene
Concen: 0.110 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.007 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

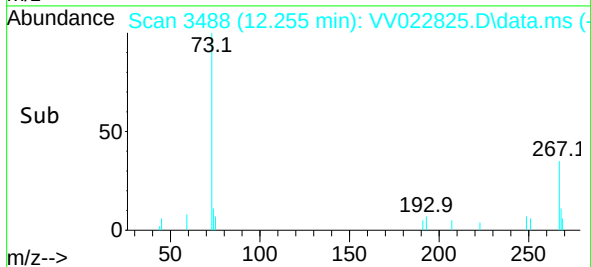
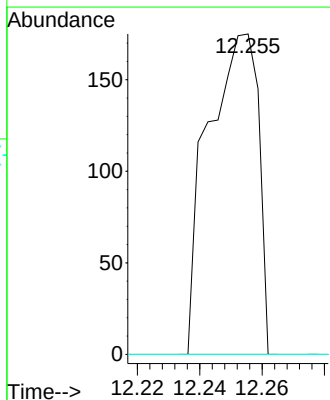
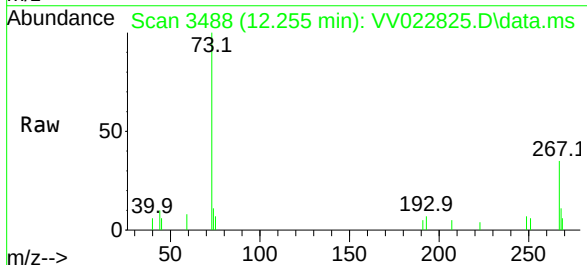
Instrument :
MSVOA_V
ClientSampleId :
BFGC6

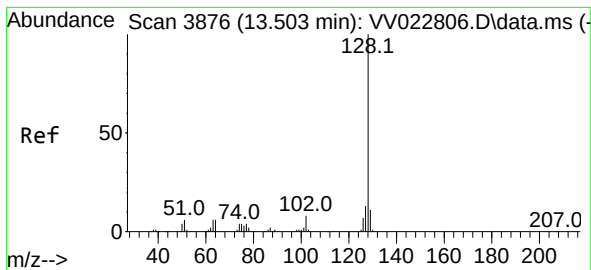
Tgt Ion:105 Resp: 2561
Ion Ratio Lower Upper
105 100
120 46.7 37.3 55.9



#68
1,2-Dibromo-3-chloropropane
Concen: 0.274 ug/L
RT: 12.255 min Scan# 3488
Delta R.T. -0.174 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

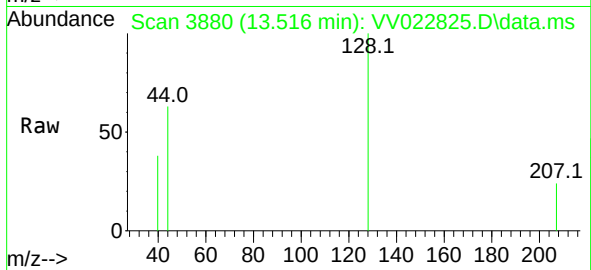
Tgt Ion: 75 Resp: 196
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#





#71
Naphthalene
Concen: 0.069 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.013 min
Lab File: VV022825.D
Acq: 15 Oct 2021 04:39

Instrument :
MSVOA_V
ClientSampleId :
BFGC6



Tgt Ion:128 Resp: 959
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.8 16.2#

