

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022893.D
 Acq On : 19 Oct 2021 02:17
 Operator : SY/MD
 Sample : M4137-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

Quant Time: Oct 19 04:09:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	116050	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120446	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43373	5.432	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.600%
7) Chloroethane-d5	1.568	69	32202	4.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.800%
11) 1,1-Dichloroethene-d2	2.108	63	51537	3.290	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.800%
20) 2-Butanone-d5	3.889	46	98210	46.911	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.820%
24) Chloroform-d	4.352	84	89430	5.435	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.800%
26) 1,2-Dichloroethane-d4	5.037	65	40918	5.124	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.053	84	174427	4.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
36) 1,2-Dichloropropane-d6	6.072	67	54003	5.086	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.800%
41) Toluene-d8	7.320	98	146078	4.713	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	7.625	79	15862	4.503	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.088	63	76918	54.185	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.360%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38080	5.294	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	56163	5.486	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	5962	0.679	ug/L	85
8) Chloroethane	1.311	64	2611	0.480	ug/L	94
12) 1,1-Dichloroethene	2.111	96	1144	0.163	ug/L #	1
13) Acetone	2.179	43	4863	4.166	ug/L #	52
17) Methyl tert-butyl Ether	2.767	73	14291	0.843	ug/L #	87
18) trans-1,2-Dichloroethene	2.764	96	12031	1.578	ug/L	93
19) 1,1-Dichloroethane	3.188	63	3128	0.228	ug/L #	94
22) cis-1,2-Dichloroethene	3.912	96	393185	49.119	ug/L	96
34) Trichloroethene	5.918	95	25885	2.934	ug/L	98
35) Methylcyclohexane	6.072	83	13054	1.056	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	5766	0.739	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1238	0.120	ug/L #	78
42) Toluene	7.391	91	40983	1.244	ug/L	100
47) Tetrachloroethene	7.976	164	105638	14.807	ug/L	99
48) 2-Hexanone	8.092	43	8623	2.813	ug/L #	68
49) Dibromochloromethane	7.976	129	91603	13.516	ug/L #	7
53) m,p-xylene	9.149	106	1711	0.130	ug/L	92
54) o-xylene	9.551	106	763	0.062	ug/L	91
61) 1,2,3-Trichloropropane	11.188	75	1160	0.302	ug/L #	56

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

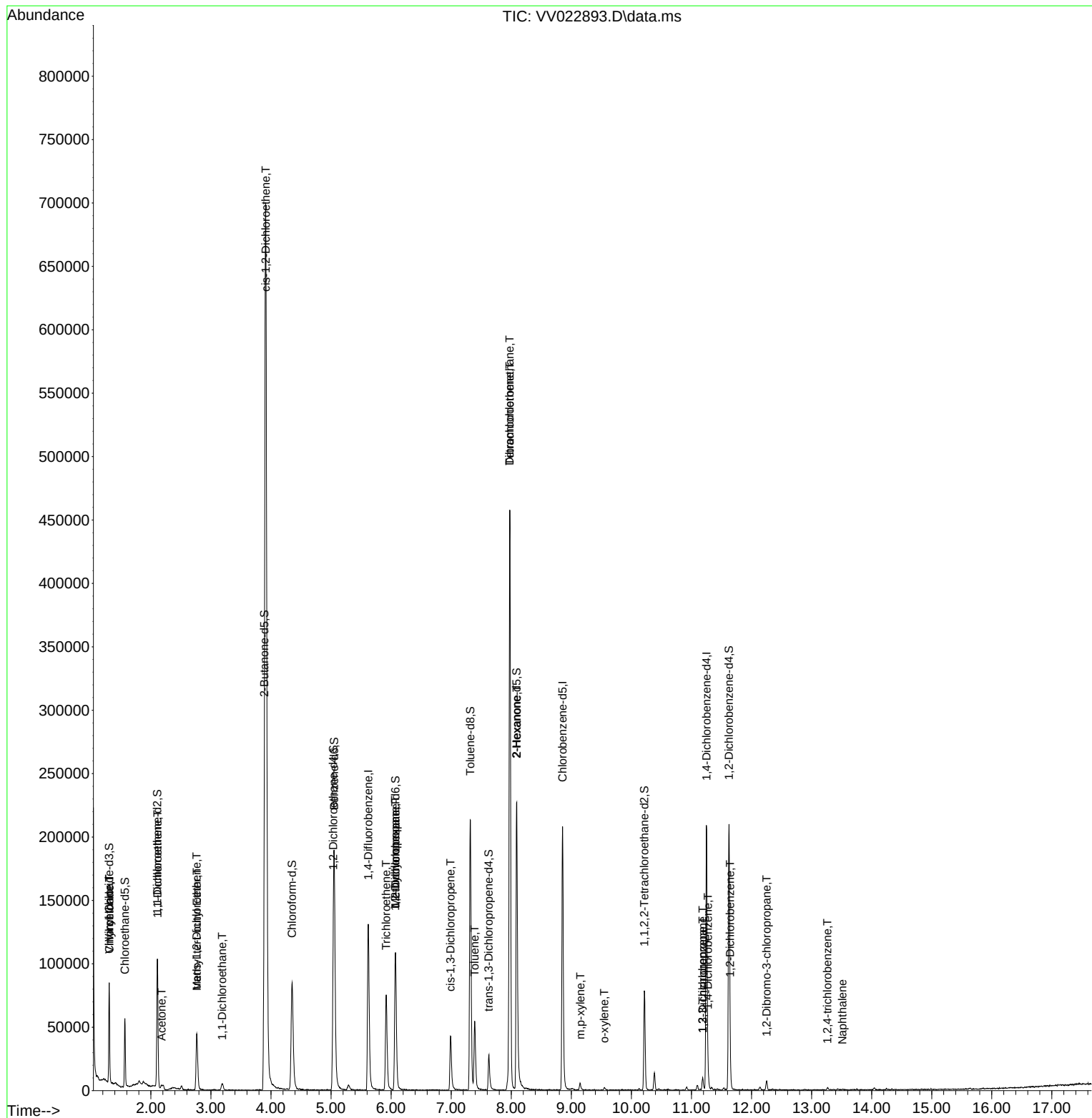
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.188	146	3958	0.269	ug/L	95
65) 1,4-Dichlorobenzene	11.275	146	4572	0.306	ug/L	95
67) 1,2-Dichlorobenzene	11.645	146	4400	0.319	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.249	75	243	0.348	ug/L #	1
70) 1,2,4-trichlorobenzene	13.262	180	792	0.093	ug/L	95
71) Naphthalene	13.513	128	693	0.051	ug/L #	68

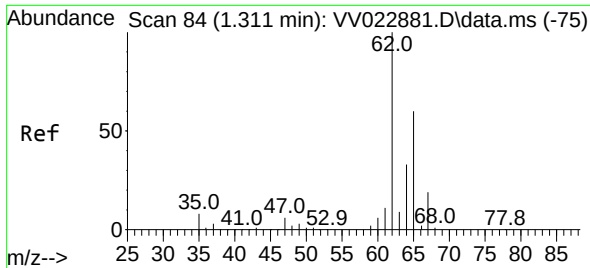
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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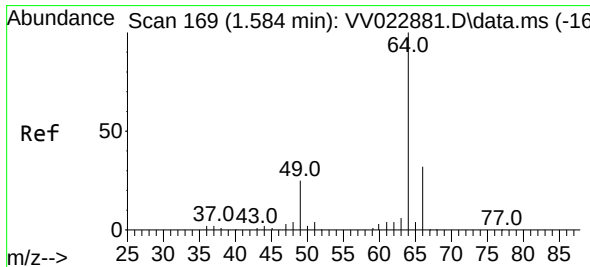
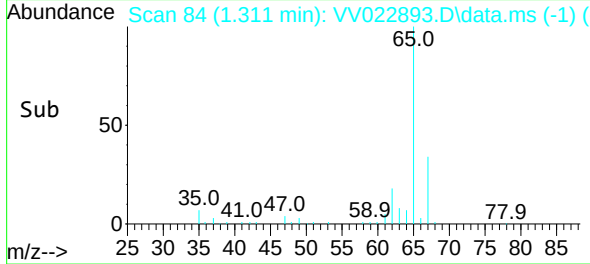
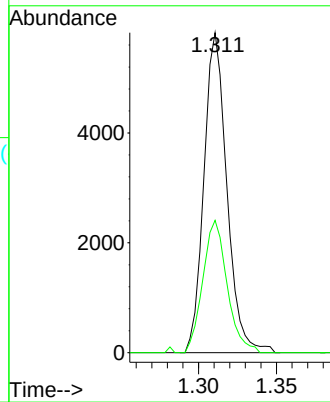
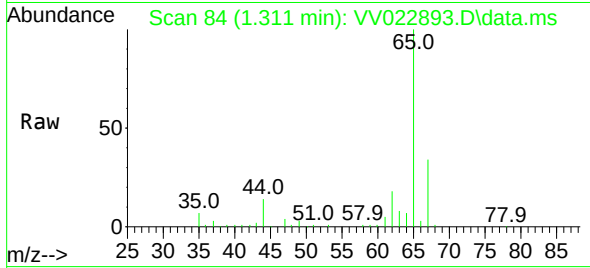




#5
 Vinyl chloride
 Concen: 0.679 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

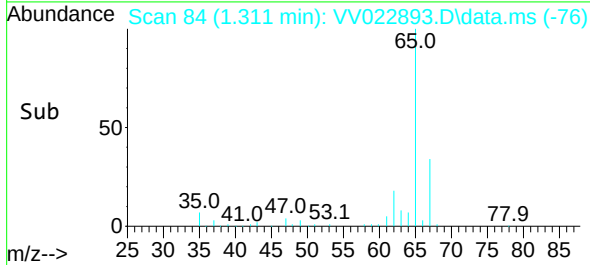
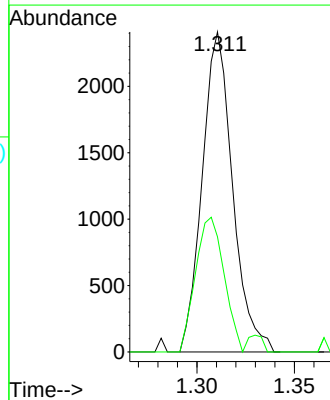
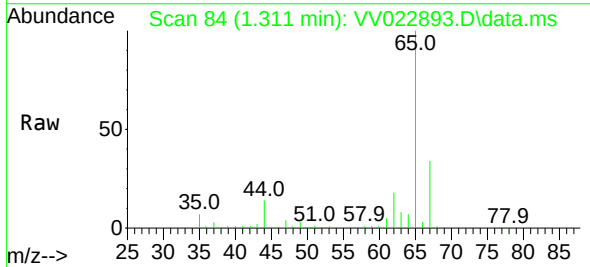
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA9

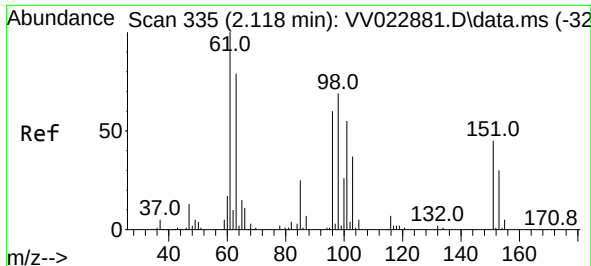
Tgt Ion: 62 Resp: 5962
 Ion Ratio Lower Upper
 62 100
 64 41.4 23.0 42.8



#8
 Chloroethane
 Concen: 0.480 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

Tgt Ion: 64 Resp: 2611
 Ion Ratio Lower Upper
 64 100
 66 36.0 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.163 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.006 min

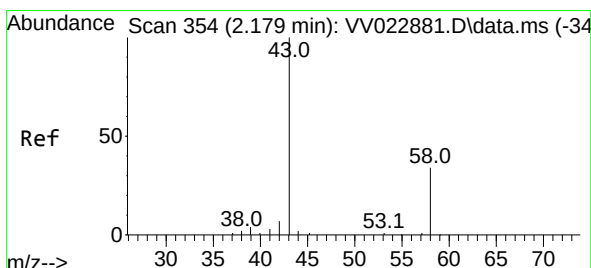
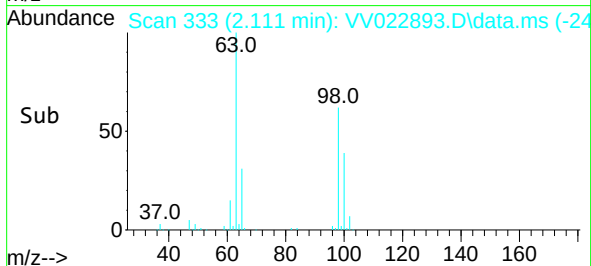
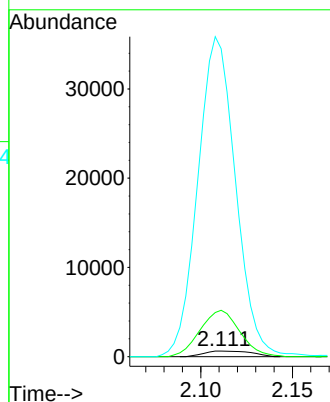
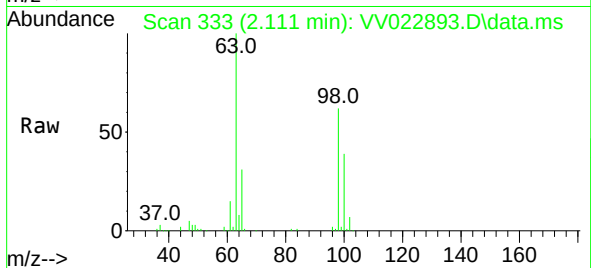
Lab File: VV022893.D

Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 1144

Ion	Ratio	Lower	Upper
96	100		
61	822.1	127.3	236.5#
63	5450.9	106.2	197.2#

Instrument :
MSVOA_V
ClientSampled :
BFGA9



#13

Acetone

Concen: 4.166 ug/L

RT: 2.179 min Scan# 354

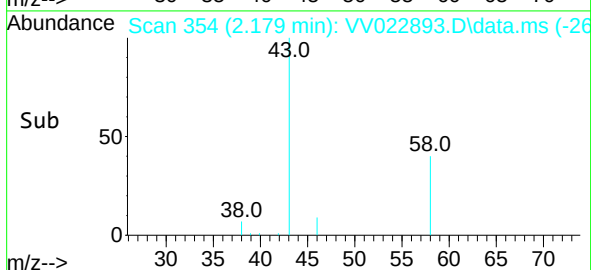
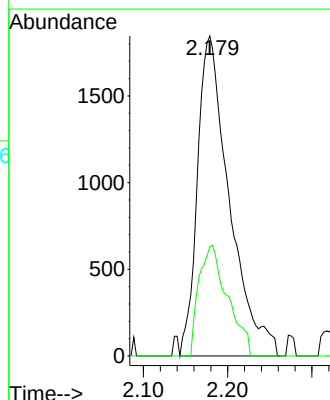
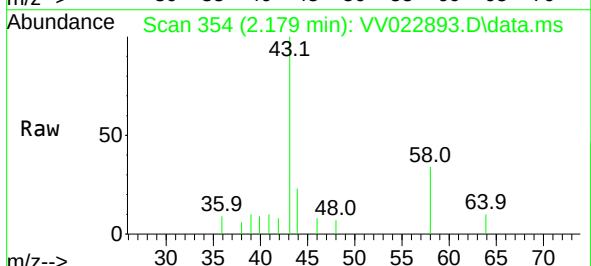
Delta R.T. 0.000 min

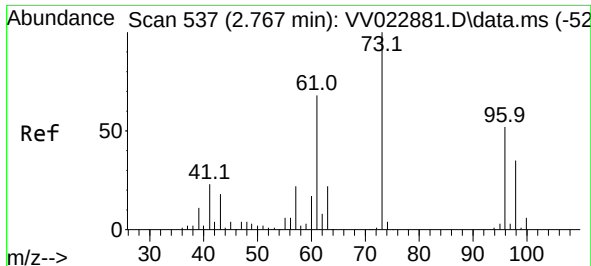
Lab File: VV022893.D

Acq: 19 Oct 2021 02:17

Tgt Ion: 43 Resp: 4863

Ion	Ratio	Lower	Upper
43	100		
58	30.9	0.0	24.2#

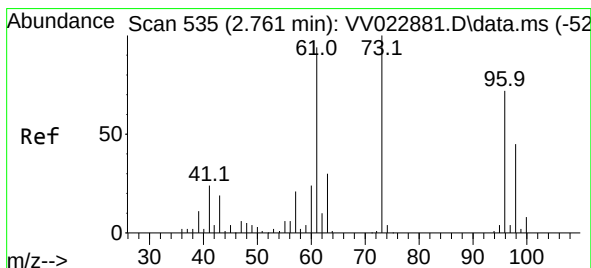
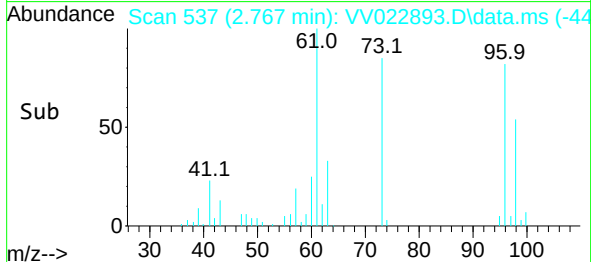
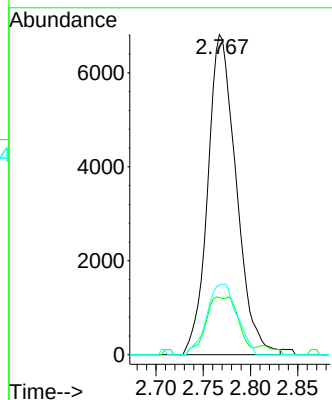
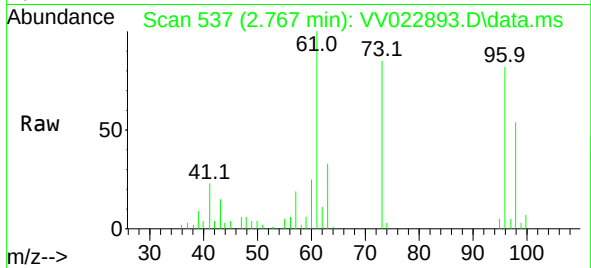




#17
Methyl tert-butyl Ether
Concen: 0.843 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

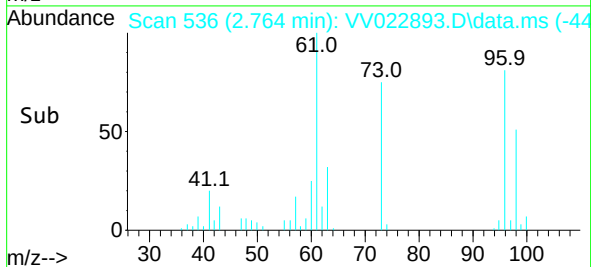
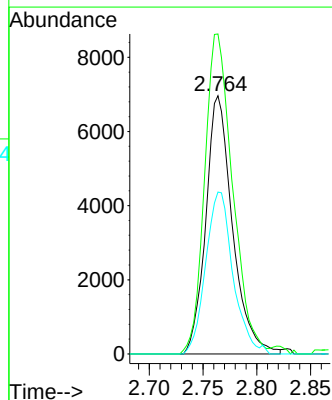
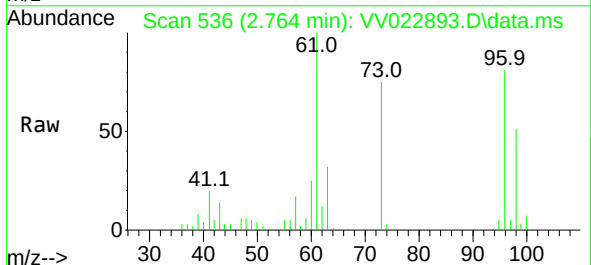
Instrument :
MSVOA_V
ClientSampleId :
BFGA9

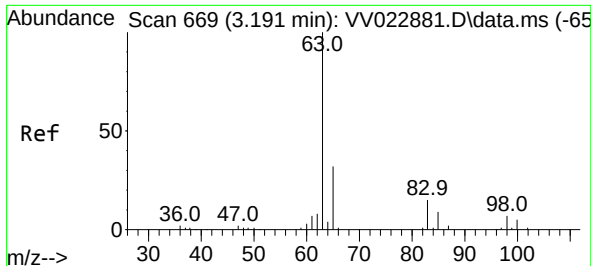
Tgt Ion: 73 Resp: 14291
Ion Ratio Lower Upper
73 100
43 11.1 17.1 25.7#
57 23.2 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 1.578 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 12031
Ion Ratio Lower Upper
96 100
61 123.9 94.5 175.5
98 62.7 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.228 ug/L

RT: 3.188 min Scan# 668

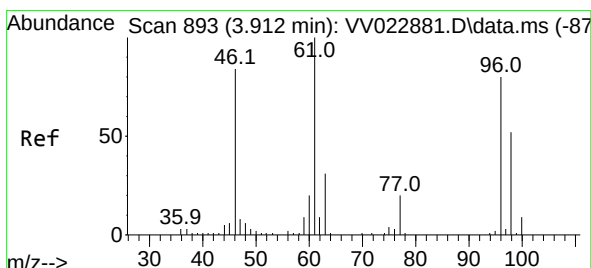
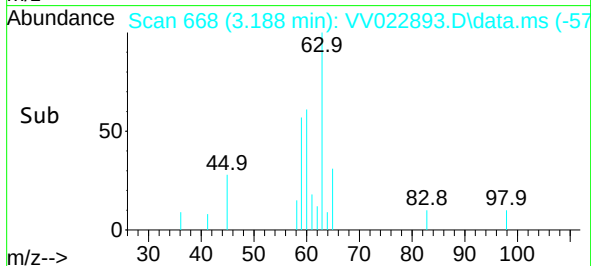
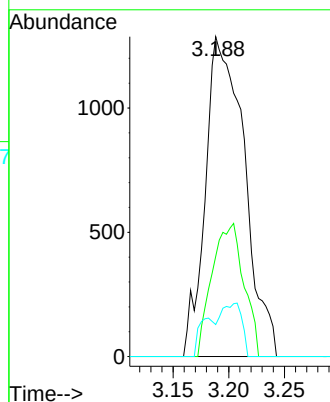
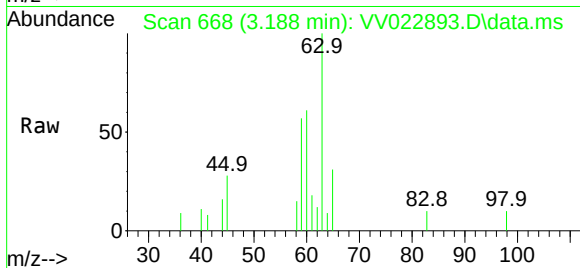
Delta R.T. -0.003 min

Lab File: VV022893.D

Acq: 19 Oct 2021 02:17

Tgt Ion: 63	Resp: 3128
Ion Ratio	Lower Upper
63 100	
65 31.3	23.5 43.7
83 10.0	10.1 18.7#

Instrument :
MSVOA_V
ClientSampleId :
BFGA9



#22

cis-1,2-Dichloroethene

Concen: 49.119 ug/L

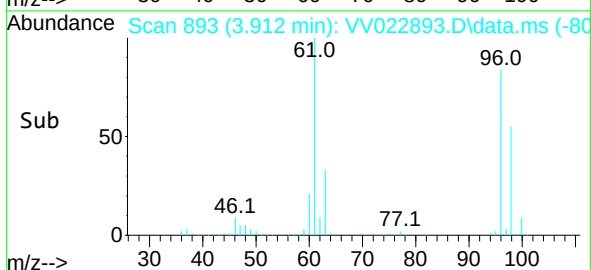
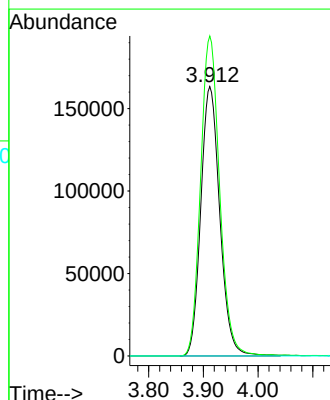
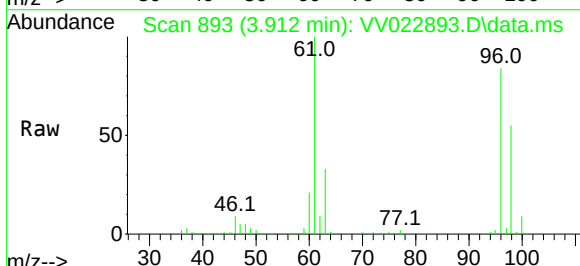
RT: 3.912 min Scan# 893

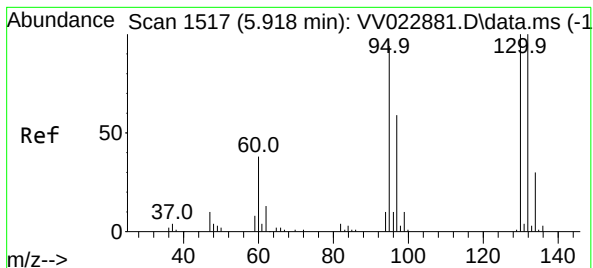
Delta R.T. 0.000 min

Lab File: VV022893.D

Acq: 19 Oct 2021 02:17

Tgt Ion: 96	Resp: 393185
Ion Ratio	Lower Upper
96 100	
61 118.8	86.0 159.6
68 0.0	0.0 0.0



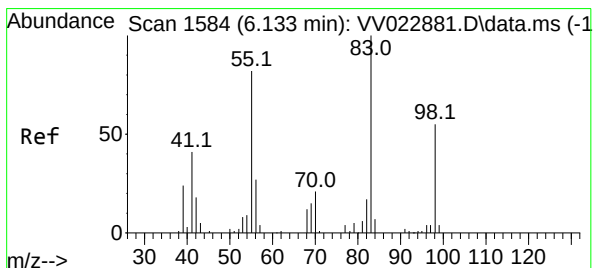
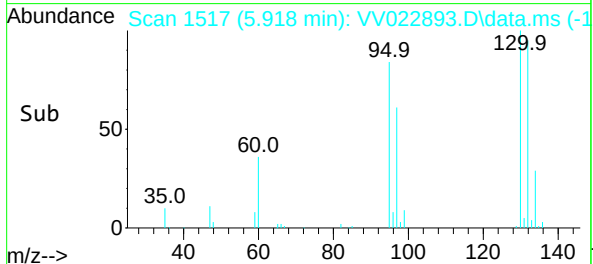
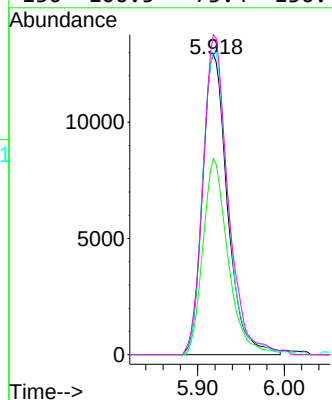
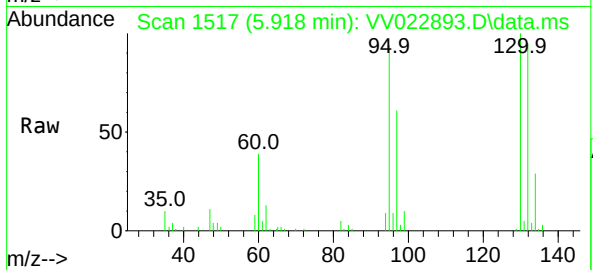


#34
Trichloroethene
Concen: 2.934 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Instrument :
MSVOA_V
ClientSampleId :
BFGA9

Tgt Ion: 95 Resp: 25885

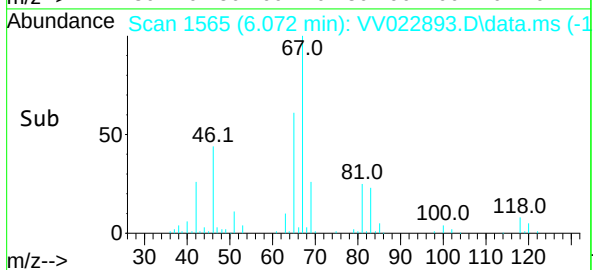
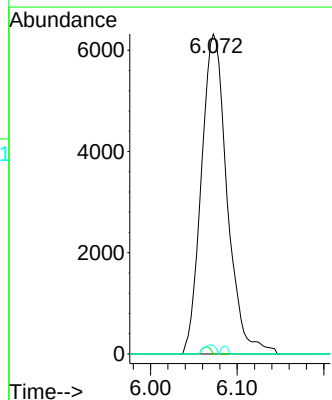
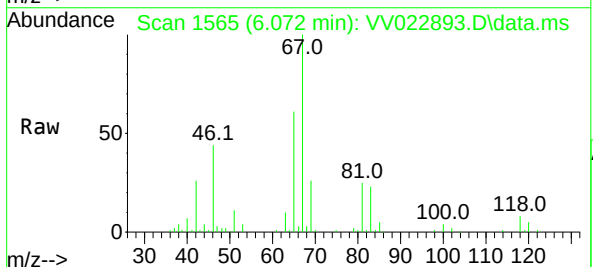
Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.8	85.2
132	100.6	72.2	134.0
130	106.5	73.4	136.4

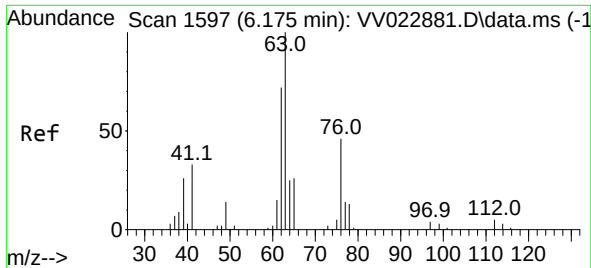


#35
Methylcyclohexane
Concen: 1.056 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 83 Resp: 13054

Ion	Ratio	Lower	Upper
83	100		
55	0.7	63.8	95.6#
98	1.3	42.1	63.1#



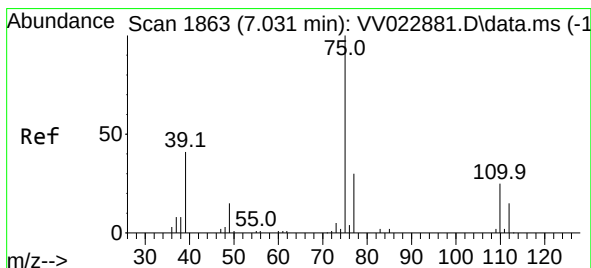
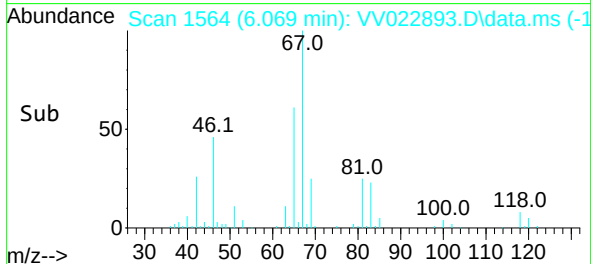
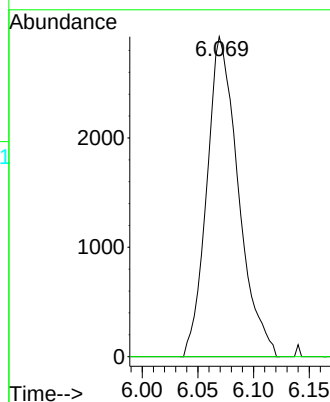
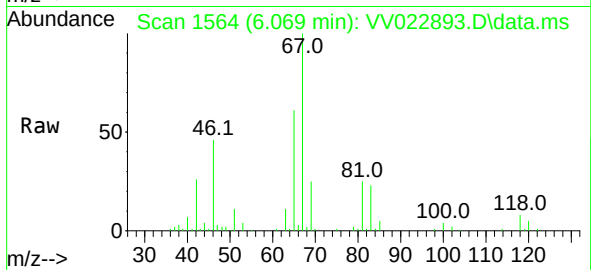


#37

1,2-Dichloropropane
Concen: 0.739 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Instrument :
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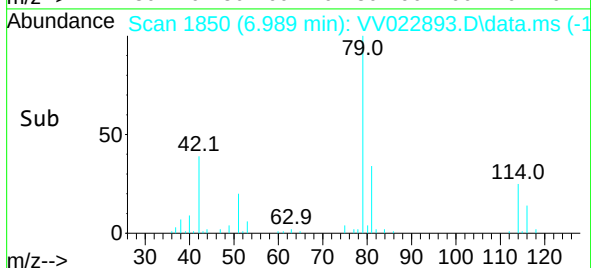
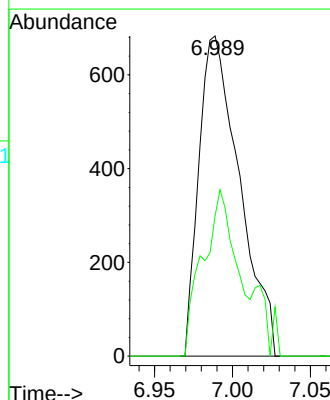
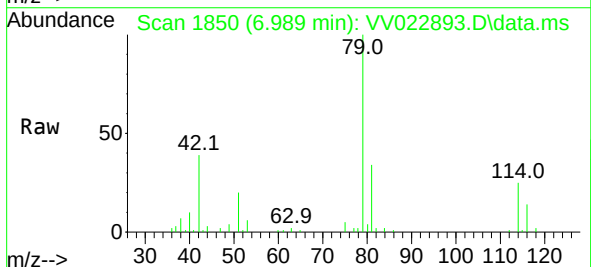
Tgt Ion: 63 Resp: 5766
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

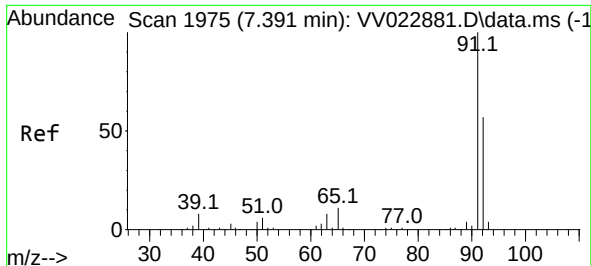


#39

cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 43.8 22.3 41.3#

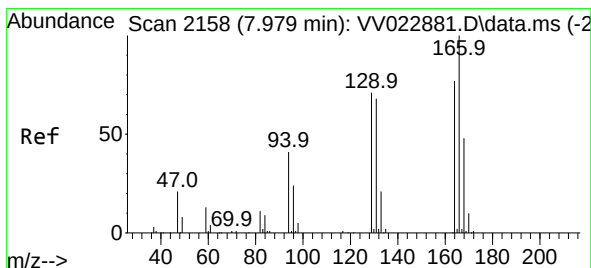
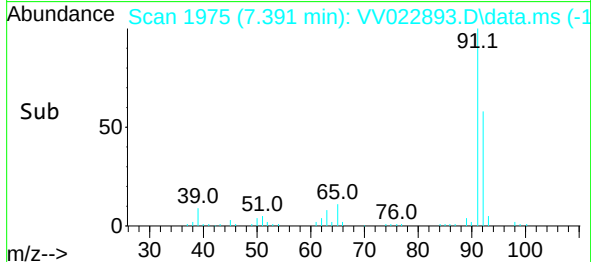
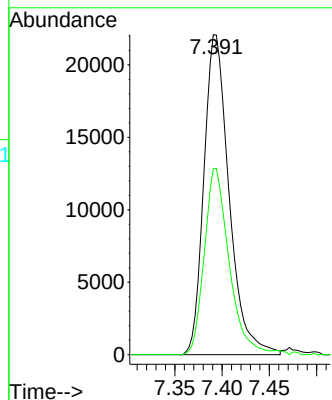
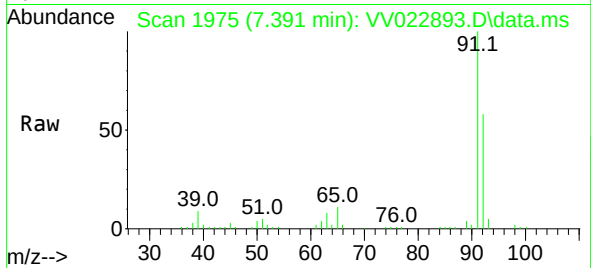




#42
Toluene
Concen: 1.244 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

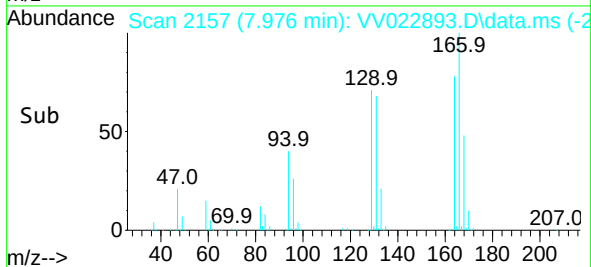
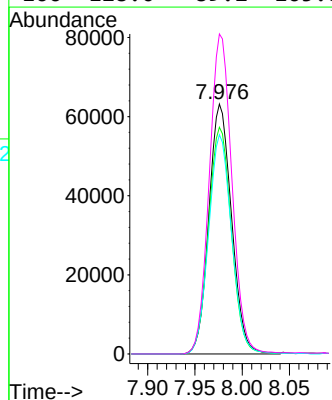
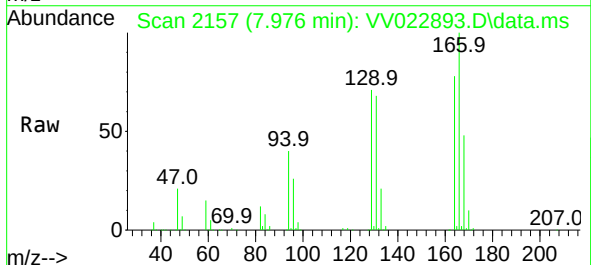
Instrument :
MSVOA_V
ClientSampleId :
BFGA9

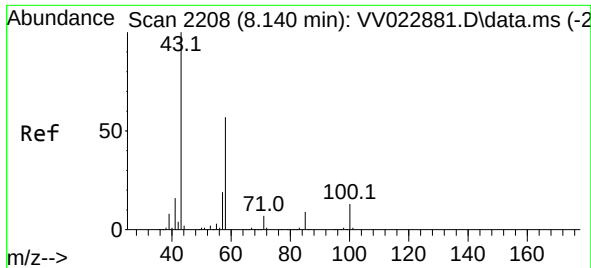
Tgt Ion: 91 Resp: 40983
Ion Ratio Lower Upper
91 100
92 58.2 40.7 75.7



#47
Tetrachloroethene
Concen: 14.807 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 164 Resp: 105638
Ion Ratio Lower Upper
164 100
129 90.7 65.0 120.6
131 87.7 62.2 115.4
166 128.0 89.2 165.8

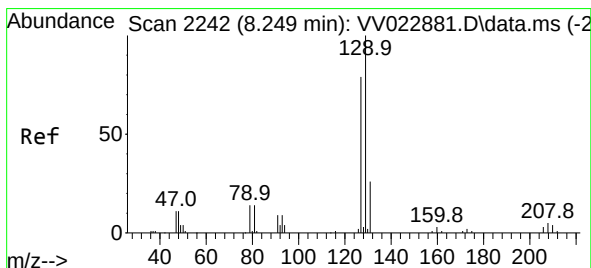
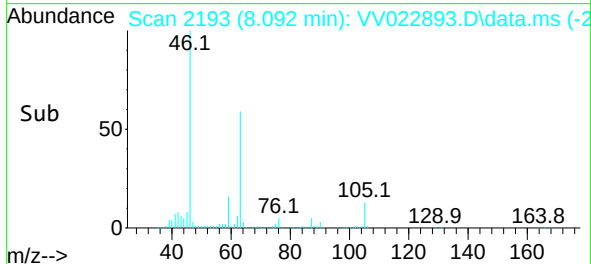
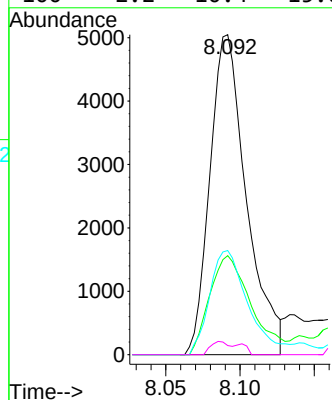
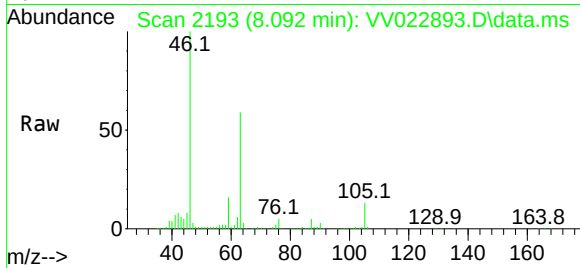




#48
2-Hexanone
Concen: 2.813 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

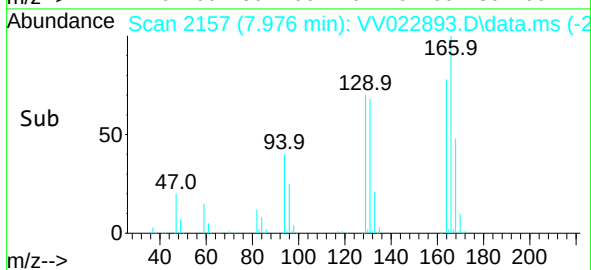
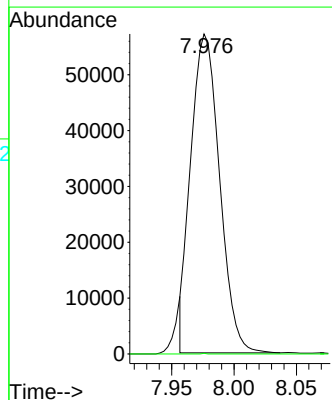
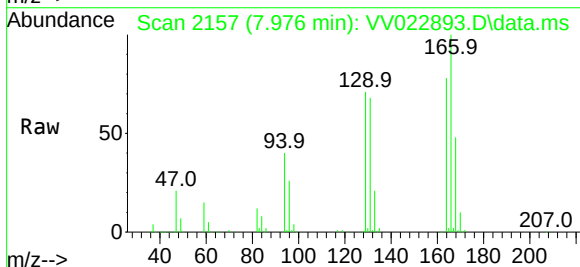
Instrument :
MSVOA_V
ClientSampled :
BFGA9

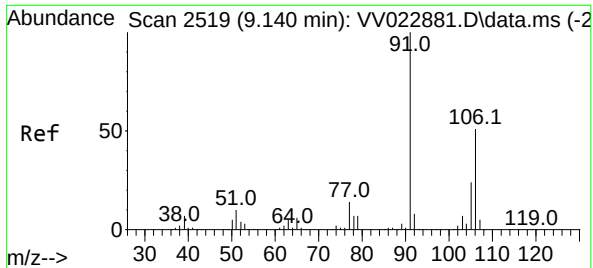
Tgt Ion:	43	Resp:	8623
Ion	Ratio	Lower	Upper
43	100		
58	35.2	47.4	71.0#
57	34.3	15.3	22.9#
100	2.2	10.4	15.6#



#49
Dibromochloromethane
Concen: 13.516 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:	129	Resp:	91603
Ion	Ratio	Lower	Upper
129	100		
127	0.2	59.1	109.9#

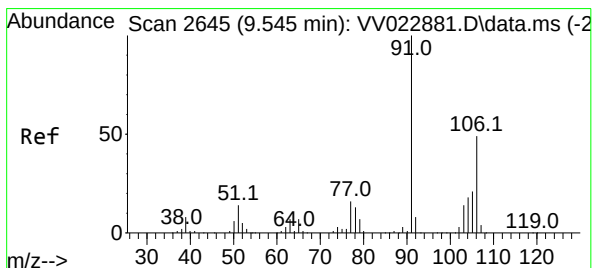
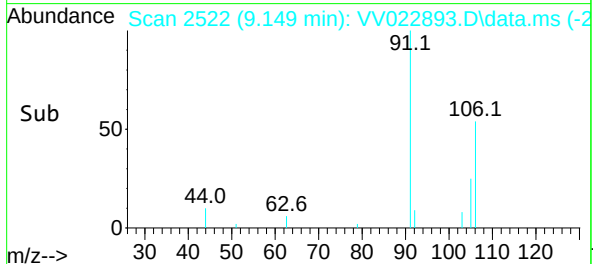
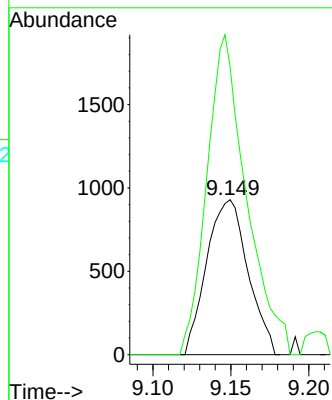
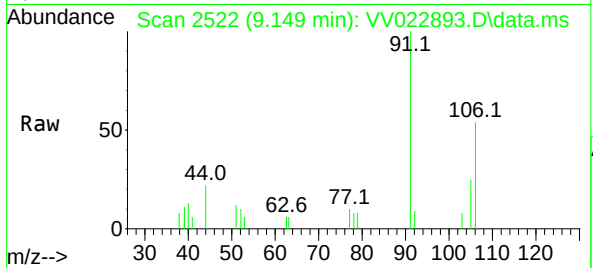




#53
m,p-xylene
Concen: 0.130 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

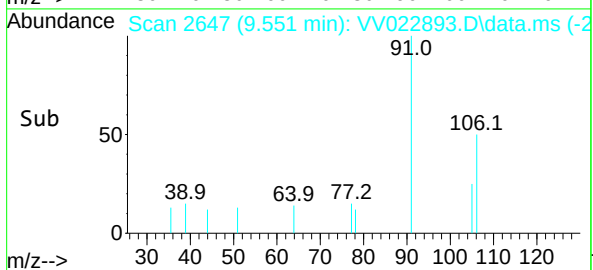
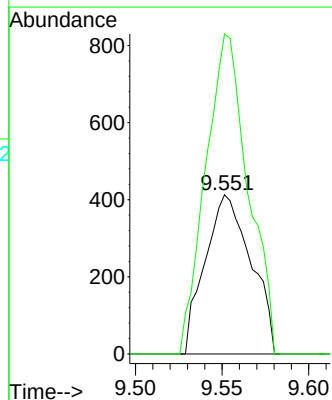
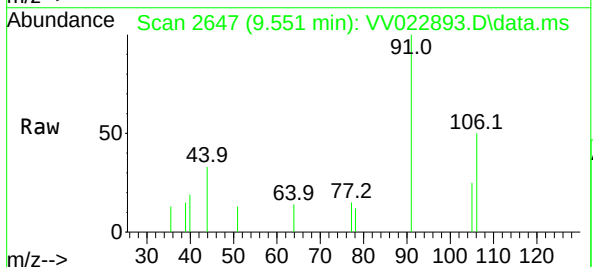
Instrument :
MSVOA_V
ClientSampled :
BFGA9

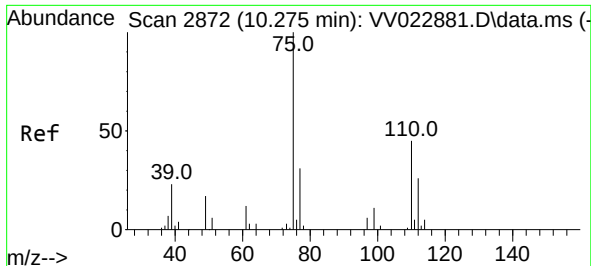
Tgt Ion:106 Resp: 1711
Ion Ratio Lower Upper
106 100
91 185.7 138.7 257.5



#54
o-xylene
Concen: 0.062 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:106 Resp: 763
Ion Ratio Lower Upper
106 100
91 201.0 151.1 280.7

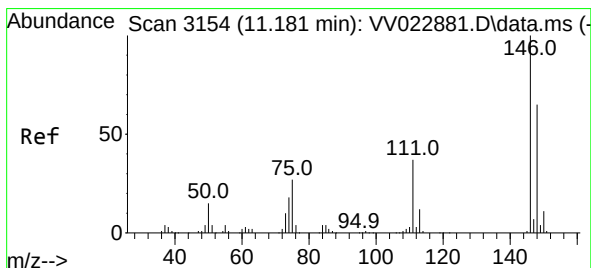
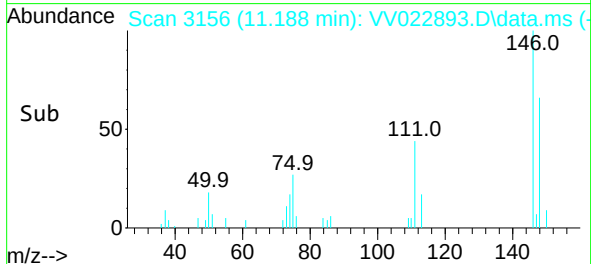
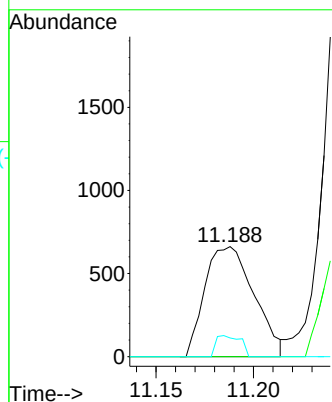
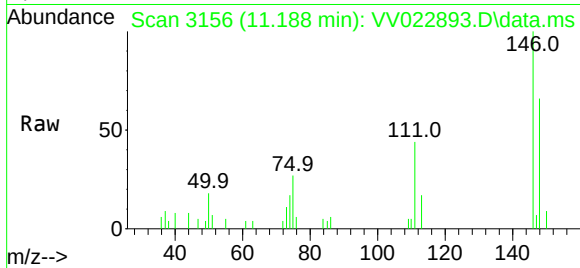




#61
1,2,3-Trichloropropane
Concen: 0.302 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

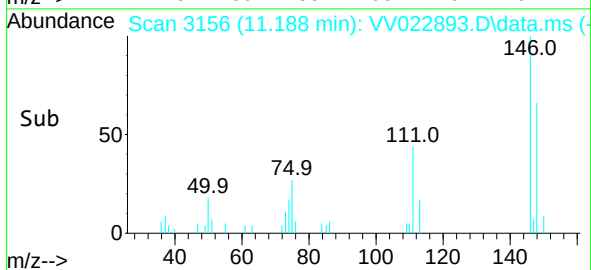
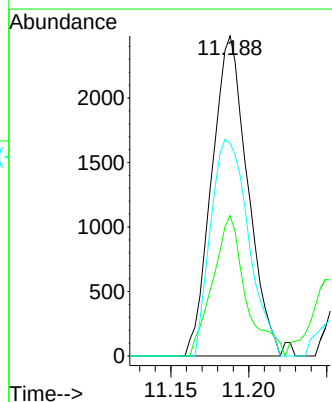
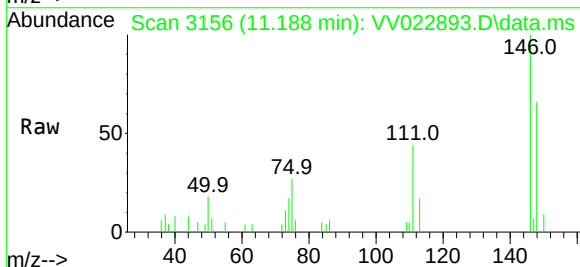
Instrument :
MSVOA_V
ClientSampleId :
BFGA9

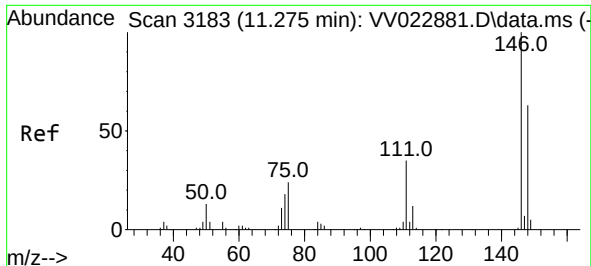
Tgt Ion: 75 Resp: 1160
Ion Ratio Lower Upper
75 100
77 13.3 25.4 38.2#
110 9.6 34.2 51.4#



#64
1,3-Dichlorobenzene
Concen: 0.269 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 146 Resp: 3958
Ion Ratio Lower Upper
146 100
111 43.9 26.7 49.5
148 66.4 45.1 83.9

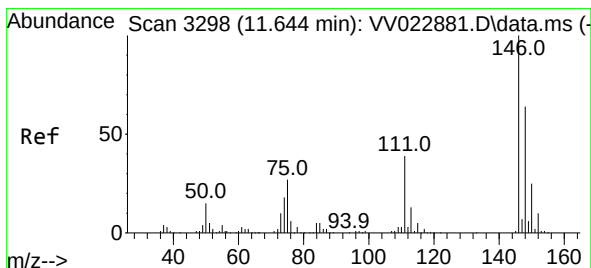
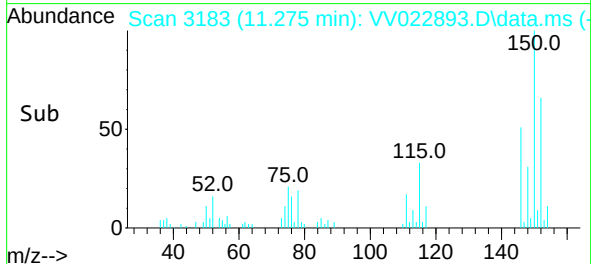
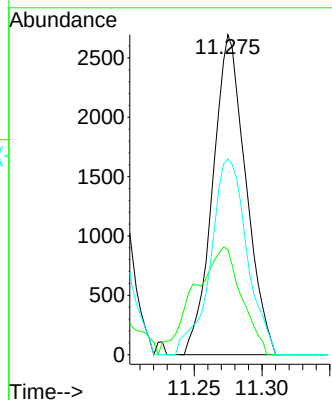
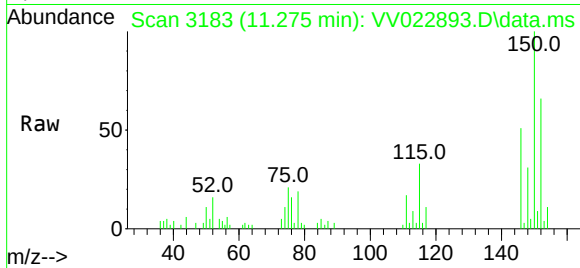




#65
1,4-Dichlorobenzene
Concen: 0.306 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

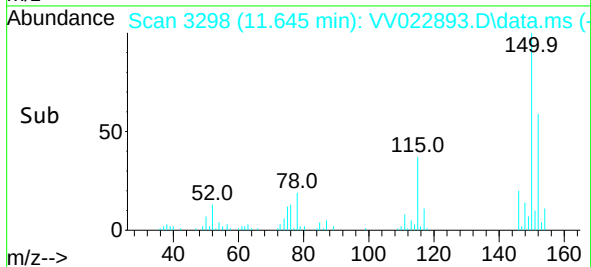
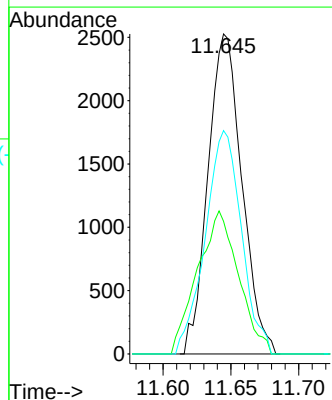
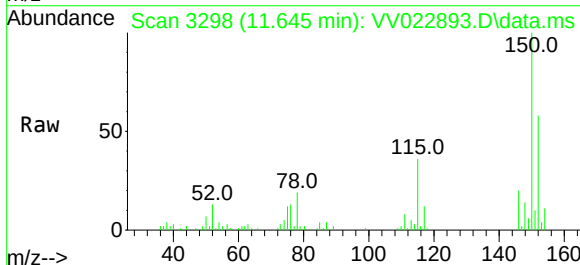
Instrument :
MSVOA_V
ClientSampled :
BFGA9

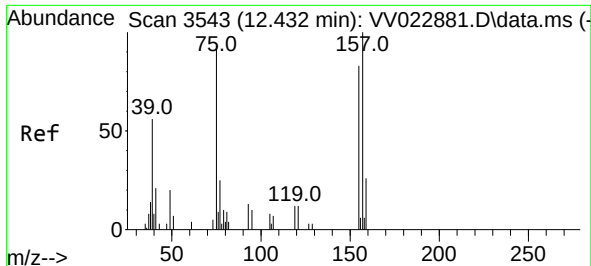
Tgt Ion:146 Resp: 4572
Ion Ratio Lower Upper
146 100
111 32.8 25.6 47.4
148 61.2 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.319 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:146 Resp: 4400
Ion Ratio Lower Upper
146 100
111 41.4 32.3 48.5
148 69.8 52.1 78.1

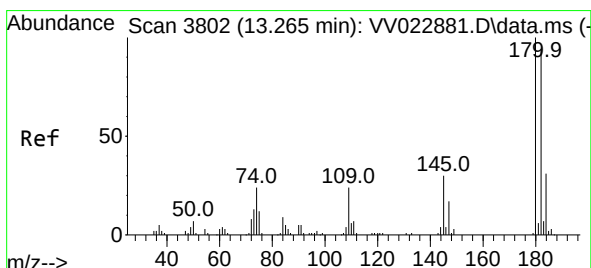
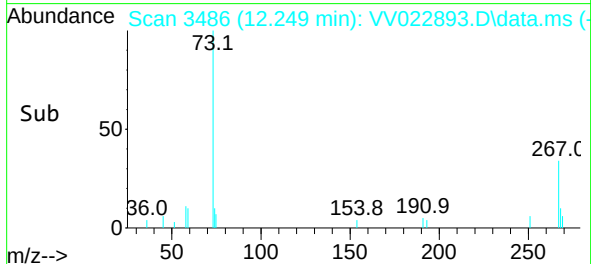
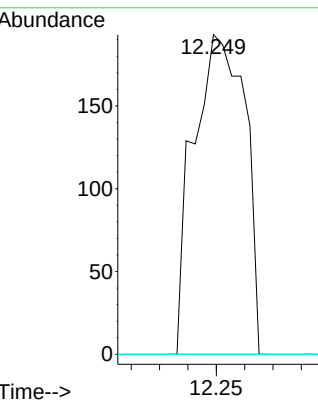
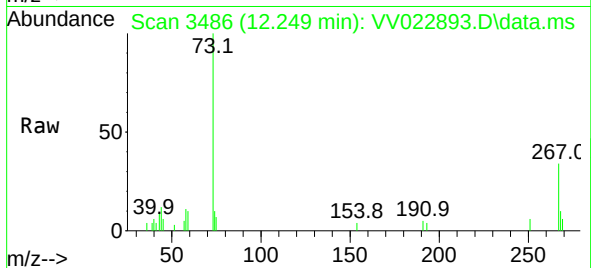




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.348 ug/L
 RT: 12.249 min Scan# 3486
 Delta R.T. -0.183 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

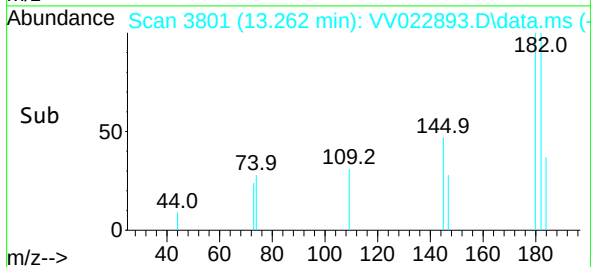
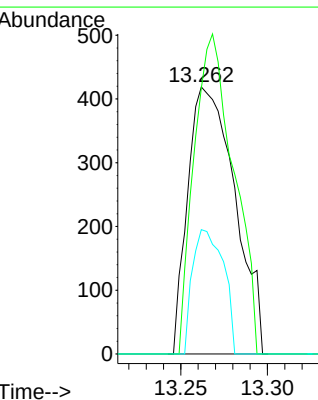
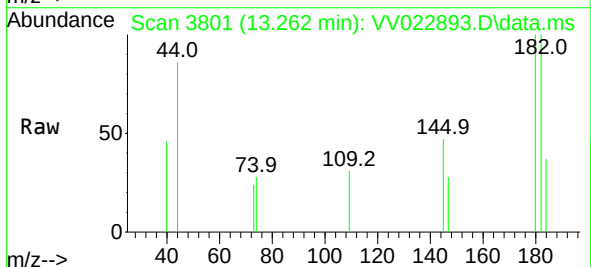
Instrument :
 MSVOA_V
 ClientSampled :
 BFGA9

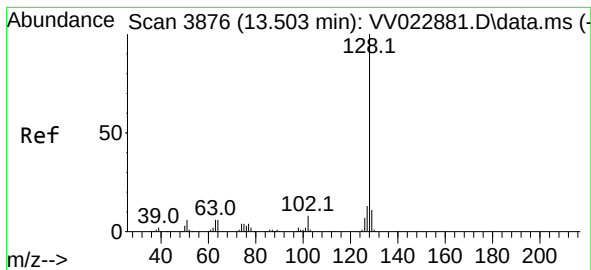
Tgt Ion: 75 Resp: 243
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#



#70
 1,2,4-trichlorobenzene
 Concen: 0.093 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. -0.003 min
 Lab File: VV022893.D
 Acq: 19 Oct 2021 02:17

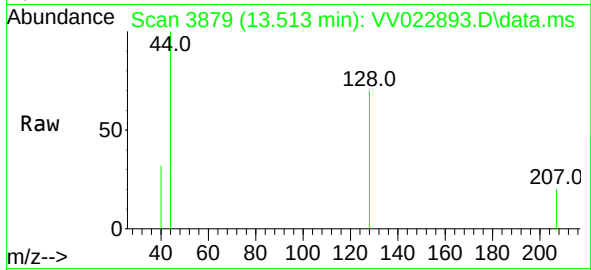
Tgt Ion: 180 Resp: 792
 Ion Ratio Lower Upper
 180 100
 182 100.8 76.0 114.0
 145 30.6 24.1 36.1





#71
Naphthalene
Concen: 0.051 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.010 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Instrument :
MSVOA_V
ClientSampleId :
BFGA9



Tgt Ion:128 Resp: 693
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.8 16.2#

