

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023010.D
 Acq On : 23 Oct 2021 15:23
 Operator : SY/MD
 Sample : M4277-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:06:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	123927	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	126065	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	53384	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	56703	5.236	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 104.800%		
7) Chloroethane-d5	1.568	69	34695	5.180	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 103.600%		
11) 1,1-Dichloroethene-d2	2.108	63	60978	3.903	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 78.000%		
20) 2-Butanone-d5	3.889	46	111133	63.975	ug/L	-0.06
Spiked Amount	50.000	Range 40 - 130	Recovery	= 127.960%		
24) Chloroform-d	4.349	84	95831	5.444	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.800%		
26) 1,2-Dichloroethane-d4	5.034	65	45143	5.440	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 108.800%		
32) Benzene-d6	5.050	84	191905	5.214	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.200%		
36) 1,2-Dichloropropane-d6	6.069	67	60357	5.327	ug/L	-0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 106.600%		
41) Toluene-d8	7.317	98	157169	4.754	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 95.000%		
43) trans-1,3-Dichloroprop...	7.625	79	18849	4.748	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 95.000%		
46) 2-Hexanone-d5	8.092	63	77614	52.809	ug/L	-0.01
Spiked Amount	50.000	Range 45 - 130	Recovery	= 105.620%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41958	5.363	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 107.200%		
66) 1,2-Dichlorobenzene-d4	11.625	152	58236	6.114	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 122.200%#		
Target Compounds				Qvalue		
3) Chloromethane	1.240	50	613	0.072	ug/L	96
5) Vinyl chloride	1.310	62	2802	0.319	ug/L #	64
6) Bromomethane	1.519	94	271	0.061	ug/L	78
12) 1,1-Dichloroethene	2.108	96	888	0.140	ug/L #	1
13) Acetone	2.175	43	1847	2.167	ug/L	91
17) Methyl tert-butyl Ether	2.770	73	7630	0.504	ug/L	96
18) trans-1,2-Dichloroethene	2.767	96	1015	0.150	ug/L	85
19) 1,1-Dichloroethane	3.191	63	2098	0.169	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	143293	18.658	ug/L #	91
25) Chloroform	4.371	83	5817	0.354	ug/L	100
34) Trichloroethene	5.918	95	26767	3.141	ug/L	97
35) Methylcyclohexane	6.072	83	14812	1.214	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	6249	0.731	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1134	0.107	ug/L #	54
42) Toluene	7.397	91	6220	0.181	ug/L	96
45) 1,1,2-Trichloroethane	7.973	97	1034	0.173	ug/L #	1
47) Tetrachloroethene	7.976	164	133272	18.509	ug/L	98
48) 2-Hexanone	8.149	43	6046	2.023	ug/L #	83
49) Dibromochloromethane	7.976	129	103970	14.607	ug/L #	10

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Oct 25 01:03:32 2021
Response via : Initial Calibration

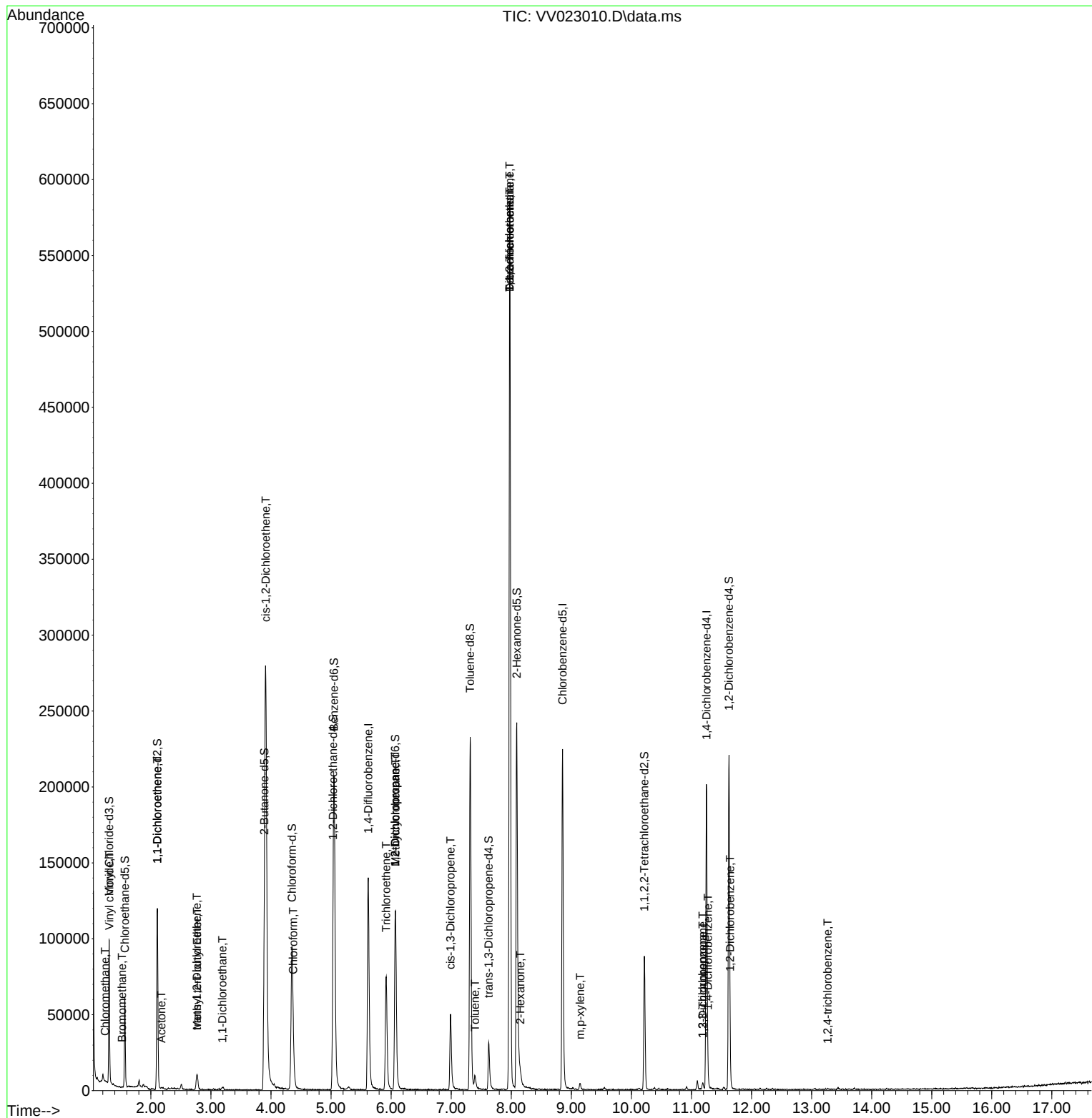
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-xylene	9.146	106	1310	0.096	ug/L	94
61) 1,2,3-Trichloropropane	11.188	75	594	0.158	ug/L #	54
64) 1,3-Dichlorobenzene	11.188	146	2355	0.166	ug/L #	85
65) 1,4-Dichlorobenzene	11.275	146	2002	0.139	ug/L	95
67) 1,2-Dichlorobenzene	11.644	146	2161	0.163	ug/L	91
70) 1,2,4-trichlorobenzene	13.268	180	450	0.056	ug/L #	65

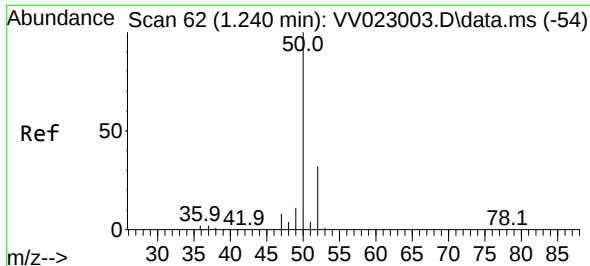
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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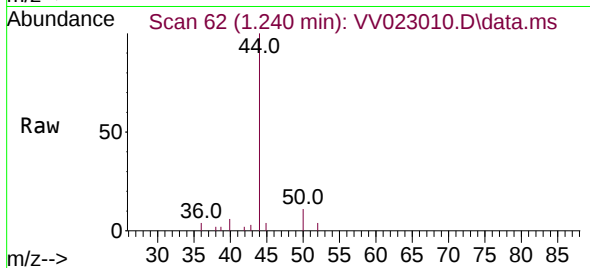
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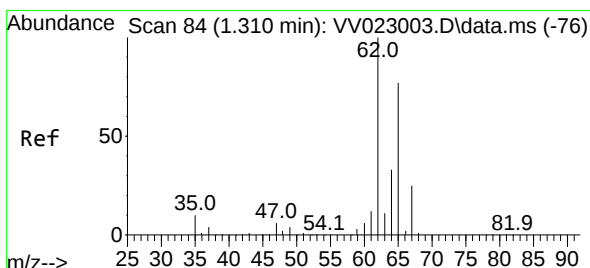
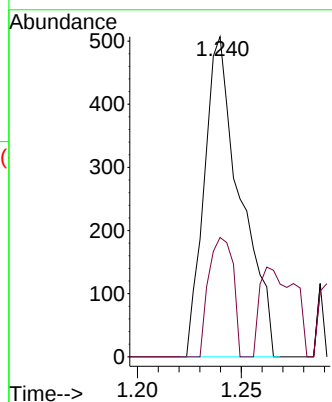
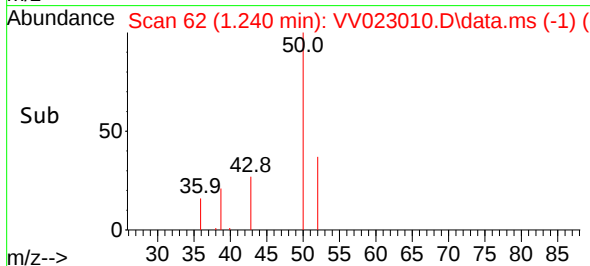


#3
Chloromethane
Concen: 0.072 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Instrument :
MSVOA_V
ClientSampleId :

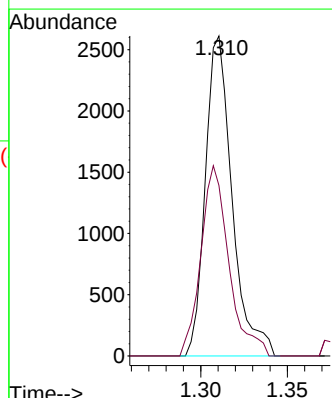
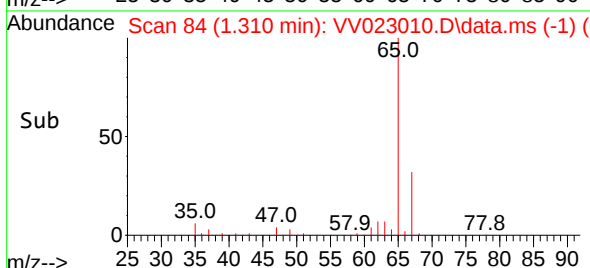
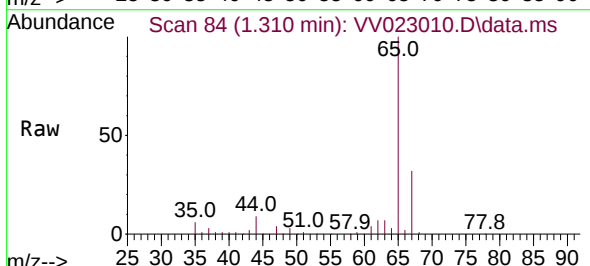


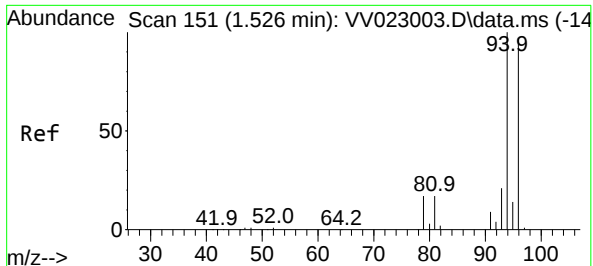
Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 37.3 24.3 45.1



#5
Vinyl chloride
Concen: 0.319 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 62 Resp: 2802
Ion Ratio Lower Upper
62 100
64 53.3 23.1 42.9#

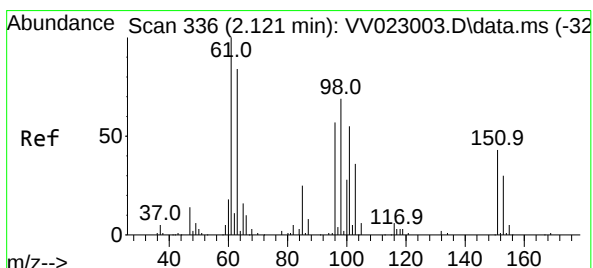
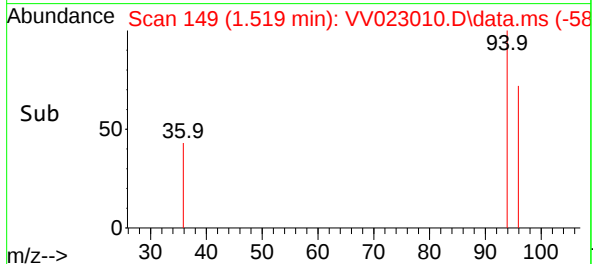
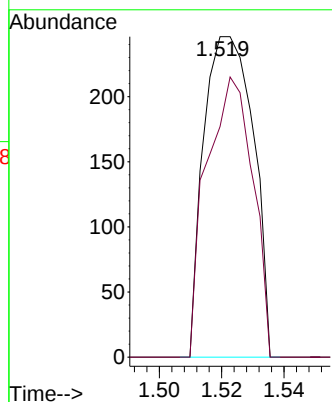
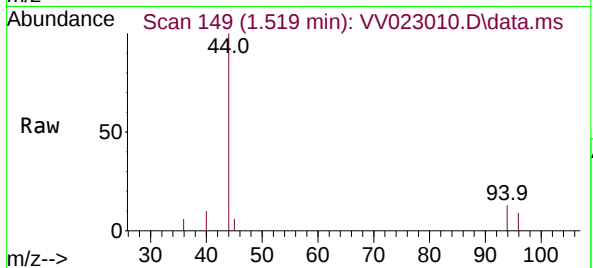




#6
Bromomethane
Concen: 0.061 ug/L
RT: 1.519 min Scan# 14
Delta R.T. -0.006 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

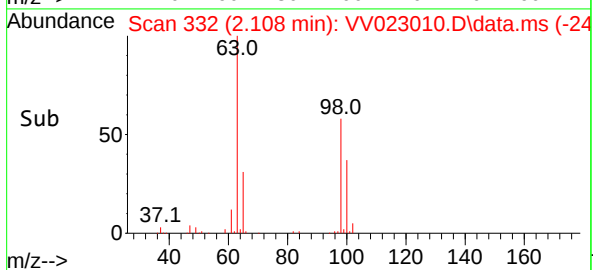
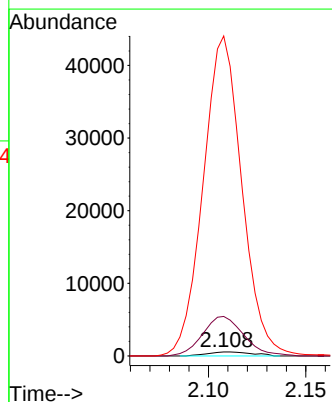
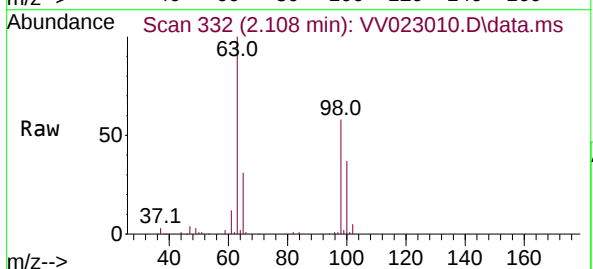
Instrument :
MSVOA_V
ClientSampleId :

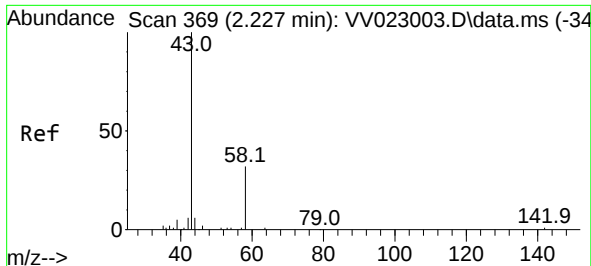
Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 72.0 65.0 120.8



#12
1,1-Dichloroethene
Concen: 0.140 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.013 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 96 Resp: 888
Ion Ratio Lower Upper
96 100
61 979.6 121.5 225.7#
63 7939.5 99.6 185.0#





#13

Acetone

Concen: 2.167 ug/L

RT: 2.175 min Scan# 31

Delta R.T. -0.051 min

Lab File: VV023010.D

Acq: 23 Oct 2021 15:23

Instrument :

MSVOA_V

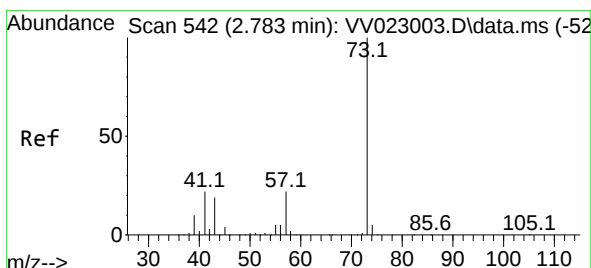
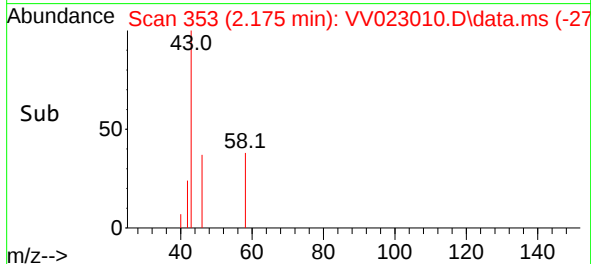
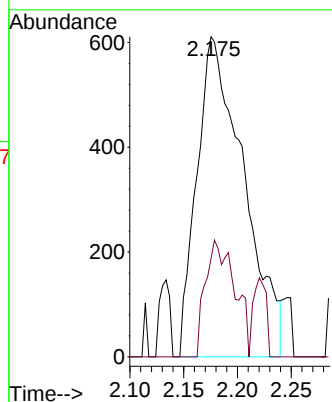
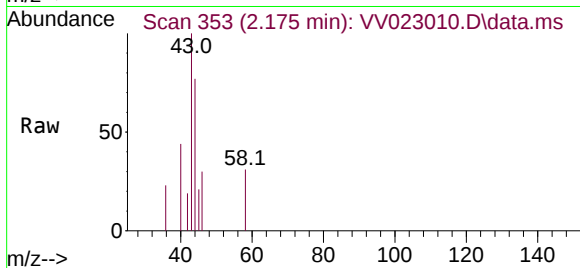
ClientSampleId :

Tgt Ion: 43 Resp: 1847

Ion Ratio Lower Upper

43 100

58 22.8 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.504 ug/L

RT: 2.770 min Scan# 538

Delta R.T. -0.013 min

Lab File: VV023010.D

Acq: 23 Oct 2021 15:23

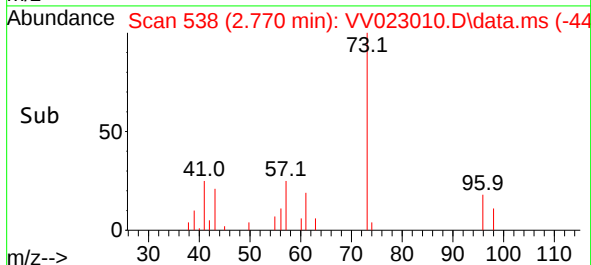
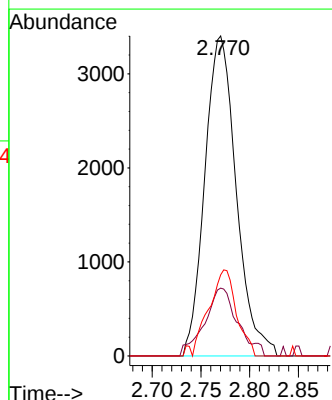
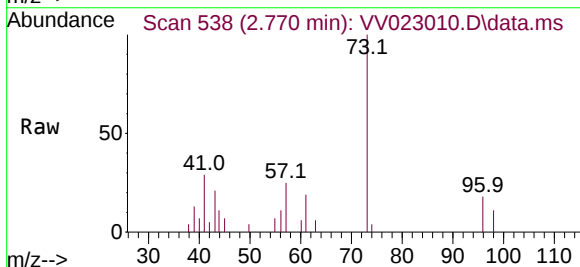
Tgt Ion: 73 Resp: 7630

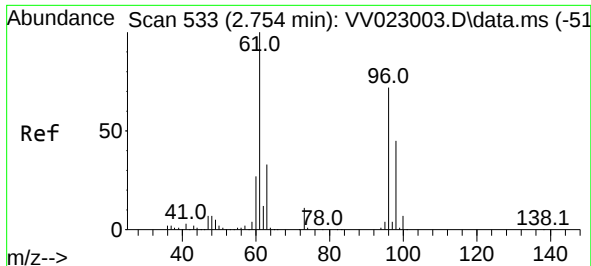
Ion Ratio Lower Upper

73 100

43 22.3 17.4 26.0

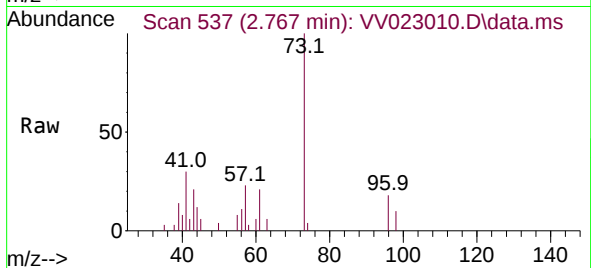
57 24.1 16.5 24.7



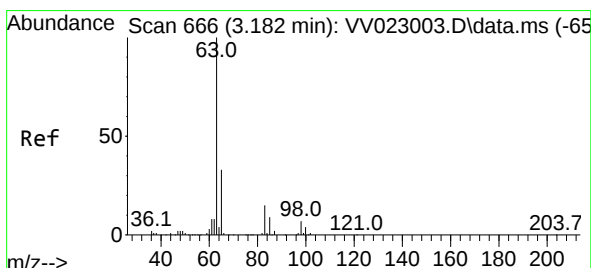
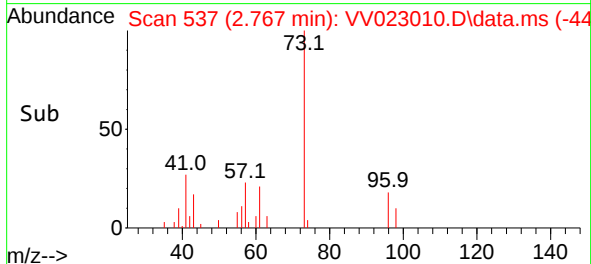
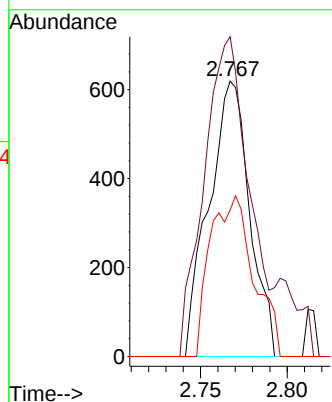


#18
trans-1,2-Dichloroethene
Concen: 0.150 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.013 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Instrument :
MSVOA_V
ClientSampleId :

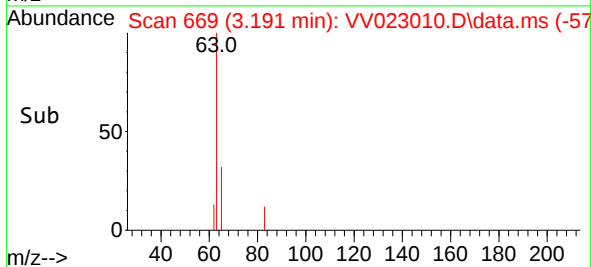
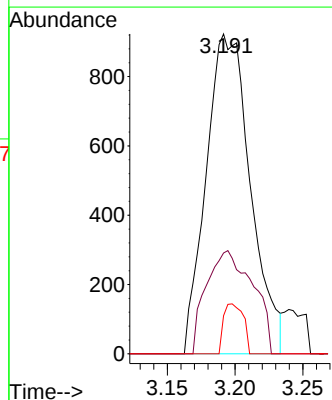
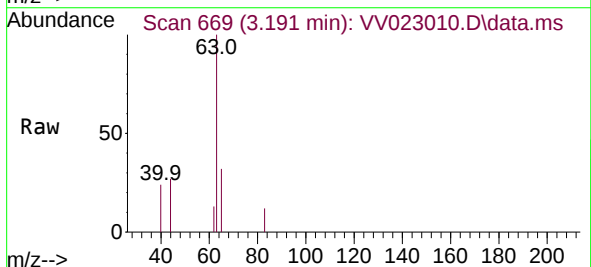


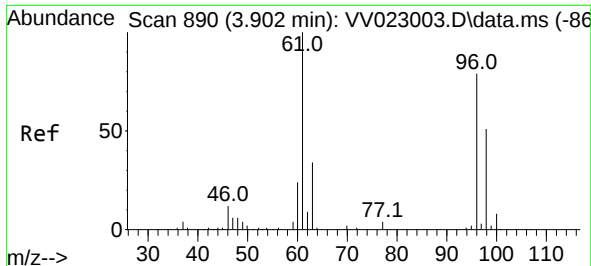
Tgt Ion: 96	Resp: 1015		
Ion Ratio	Lower	Upper	
96	100		
61	116.2	93.2	173.2
98	53.2	47.0	87.2



#19
1,1-Dichloroethane
Concen: 0.169 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 63	Resp: 2098
Ion Ratio	Lower Upper
63 100	
65 31.5	22.6 42.0
83 11.9	11.1 20.7

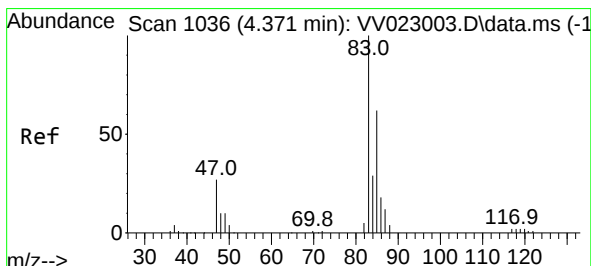
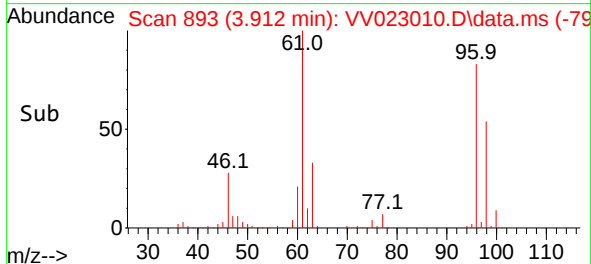
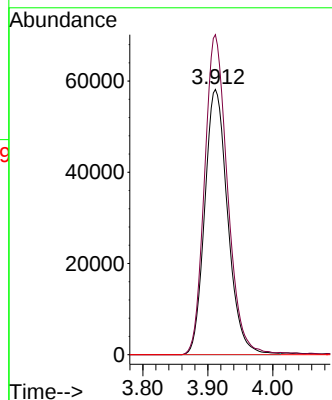
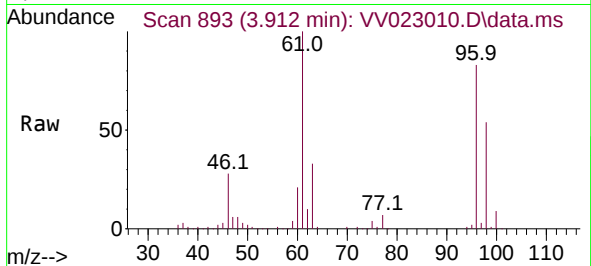




#22
 cis-1,2-Dichloroethene
 Concen: 18.658 ug/L
 RT: 3.912 min Scan# 890
 Delta R.T. 0.010 min
 Lab File: VV023010.D
 Acq: 23 Oct 2021 15:23

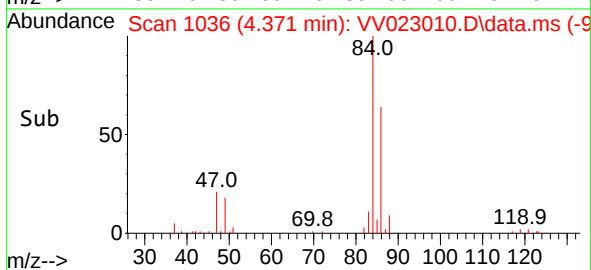
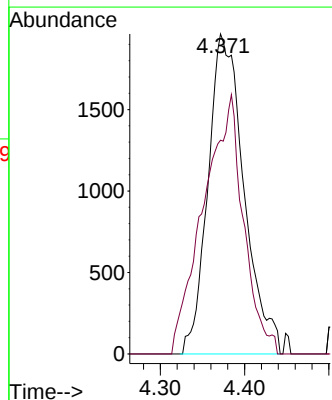
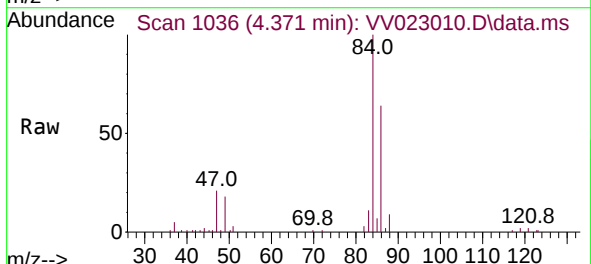
Instrument :
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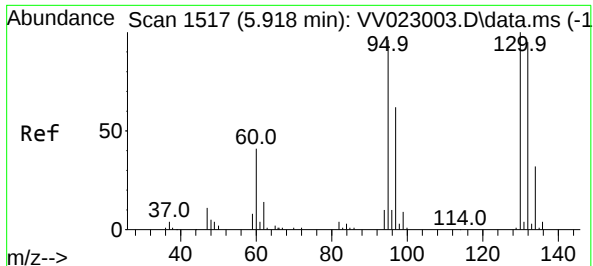
Tgt Ion: 96 Resp: 143293
 Ion Ratio Lower Upper
 96 100
 61 120.6 92.3 171.3
 68 0.0 0.4 0.8#



#25
 Chloroform
 Concen: 0.354 ug/L
 RT: 4.371 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VV023010.D
 Acq: 23 Oct 2021 15:23

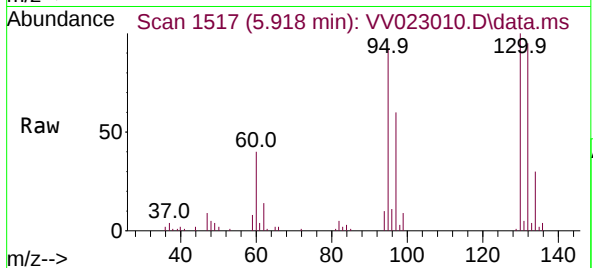
Tgt Ion: 83 Resp: 5817
 Ion Ratio Lower Upper
 83 100
 85 66.8 46.8 86.8



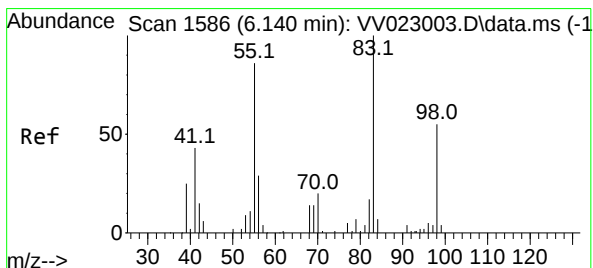
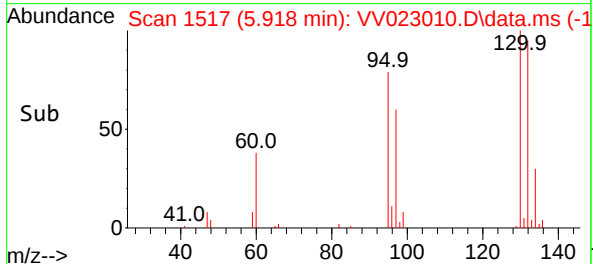
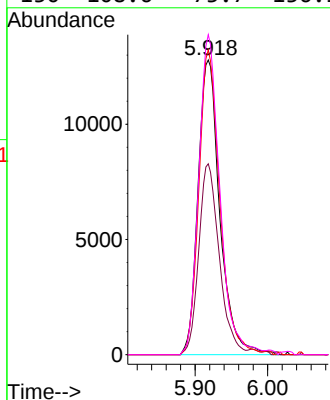


#34
Trichloroethene
Concen: 3.141 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Instrument :
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ClientSampleId :

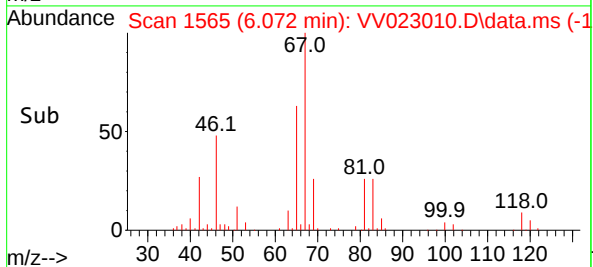
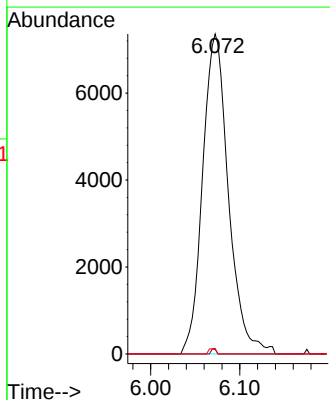
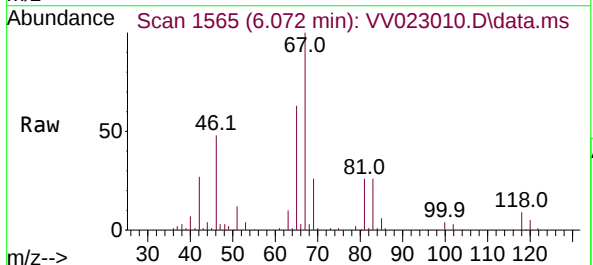


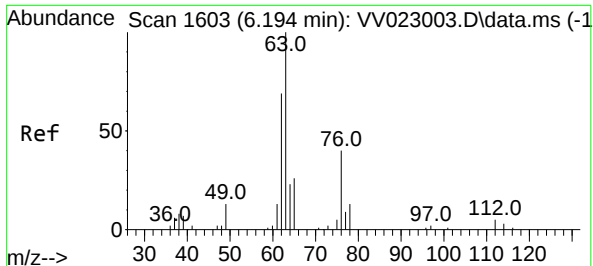
Tgt Ion: 95 Resp: 26767
Ion Ratio Lower Upper
95 100
97 64.8 45.0 83.6
132 103.4 69.7 129.4
130 108.6 73.7 136.9



#35
Methylcyclohexane
Concen: 1.214 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.067 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 83 Resp: 14812
Ion Ratio Lower Upper
83 100
55 0.3 62.8 94.2#
98 0.5 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.731 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.125 min

Lab File: VV023010.D

Acq: 23 Oct 2021 15:23

Instrument :

MSVOA_V

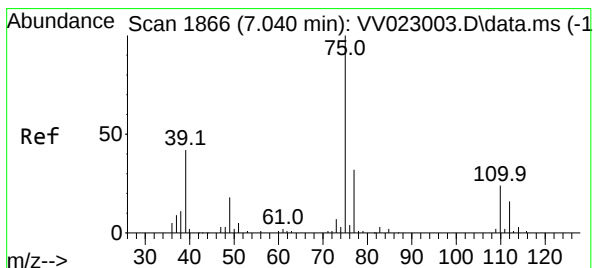
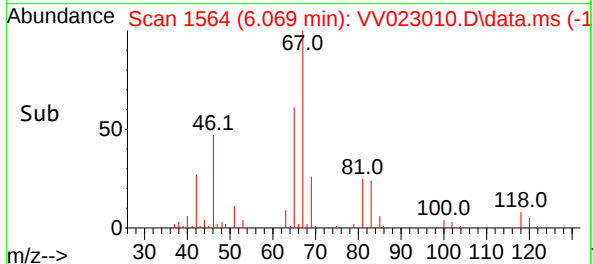
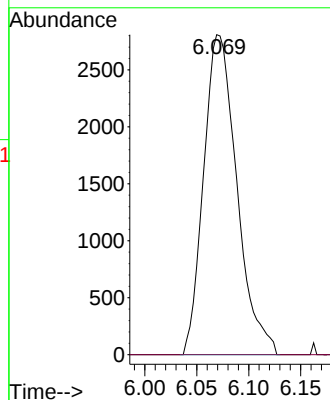
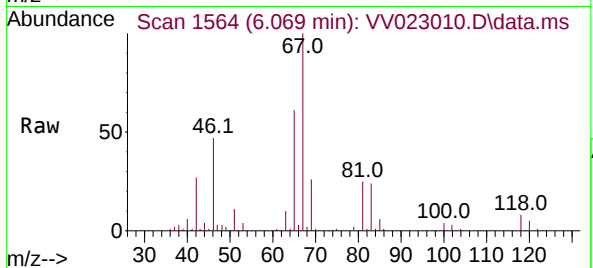
ClientSampleId :

Tgt Ion: 63 Resp: 6249

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.051 min

Lab File: VV023010.D

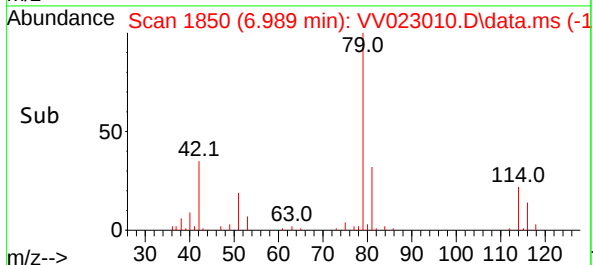
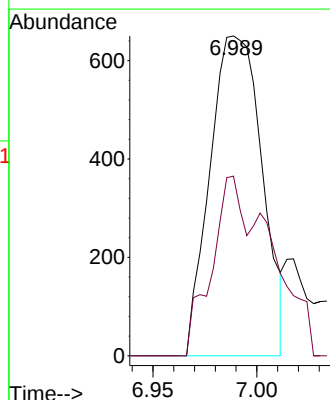
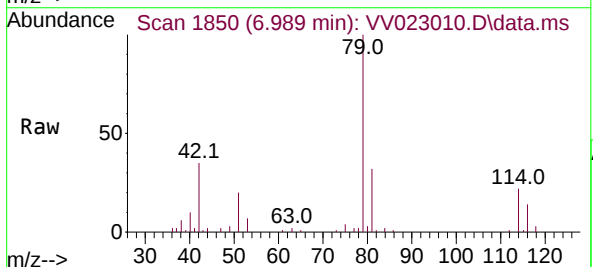
Acq: 23 Oct 2021 15:23

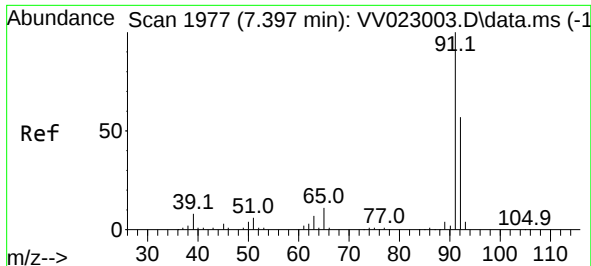
Tgt Ion: 75 Resp: 1134

Ion Ratio Lower Upper

75 100

77 56.2 21.6 40.2#

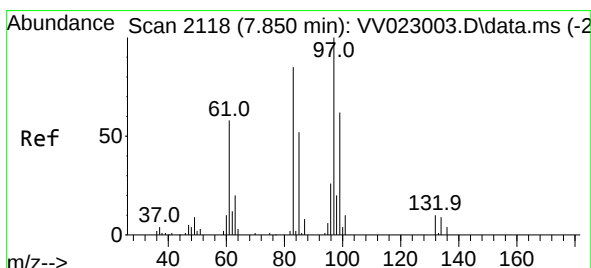
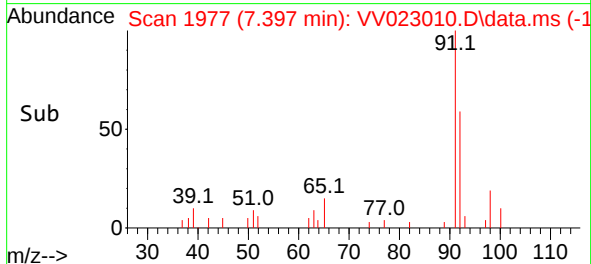
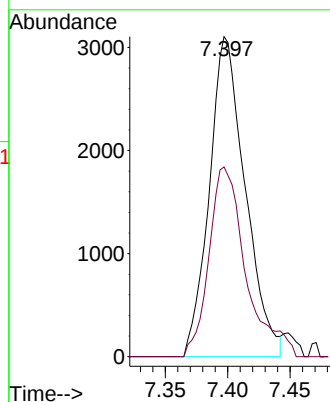
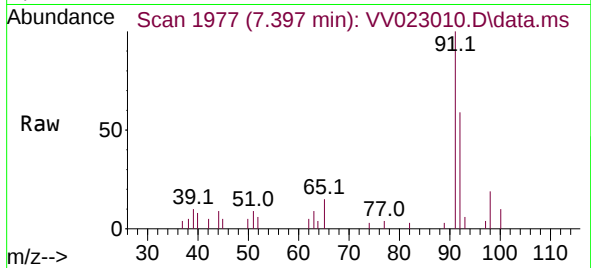




#42
Toluene
Concen: 0.181 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

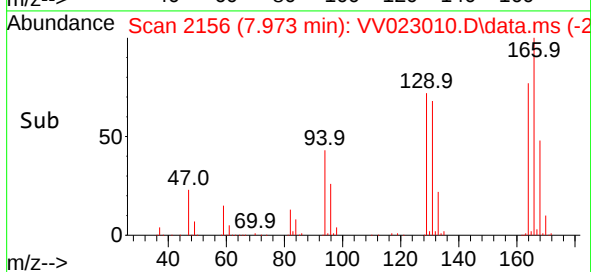
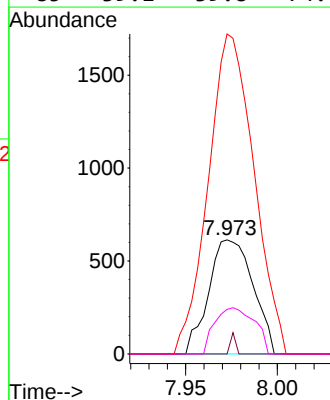
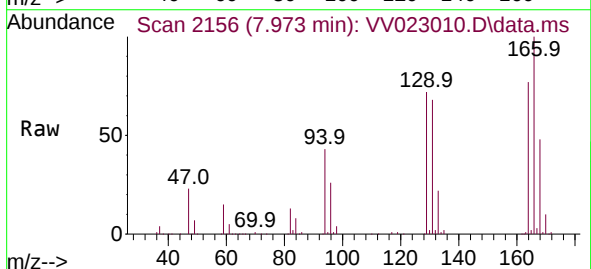
Instrument :
MSVOA_V
ClientSampleId :

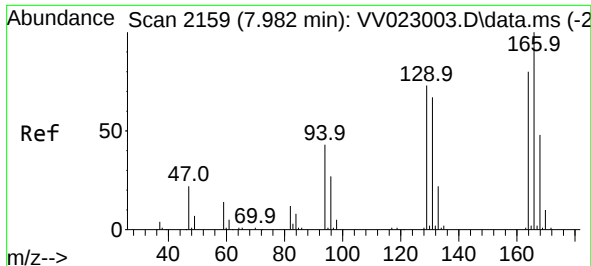
Tgt Ion: 91 Resp: 6220
Ion Ratio Lower Upper
91 100
92 59.3 39.3 72.9



#45
1,1,2-Trichloroethane
Concen: 0.173 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.122 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

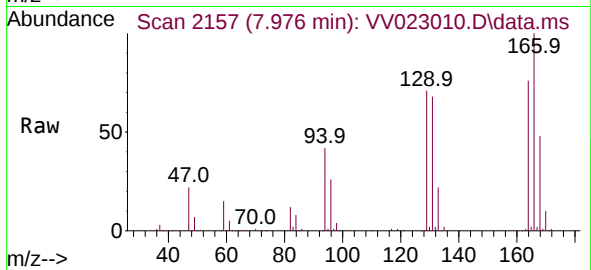
Tgt Ion: 97 Resp: 1034
Ion Ratio Lower Upper
97 100
99 0.0 43.6 81.0#
83 280.5 58.4 108.4#
85 39.1 39.8 74.0#



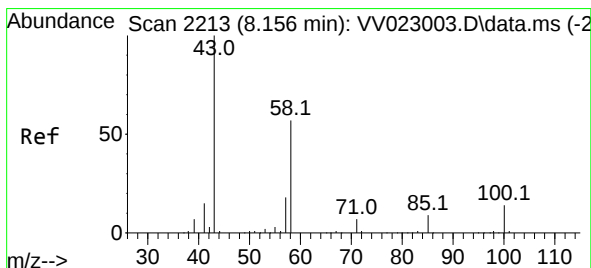
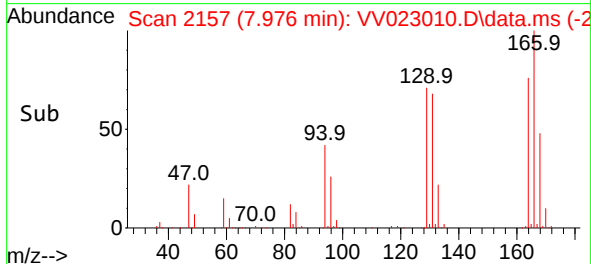
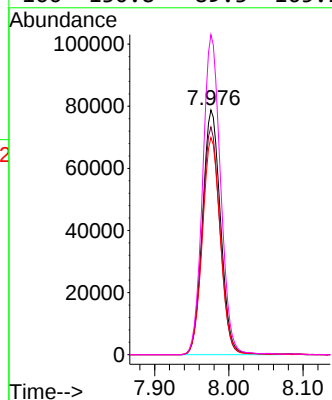


#47
Tetrachloroethene
Concen: 18.509 ug/L
RT: 7.976 min Scan# 2159
Delta R.T. -0.006 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Instrument :
MSVOA_V
ClientSampleId :

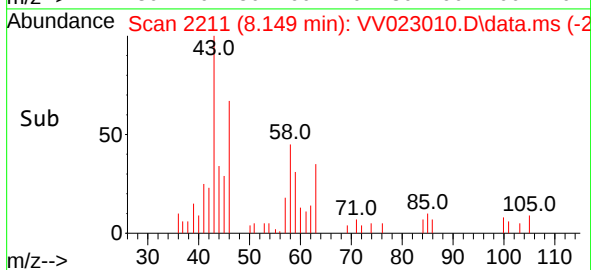
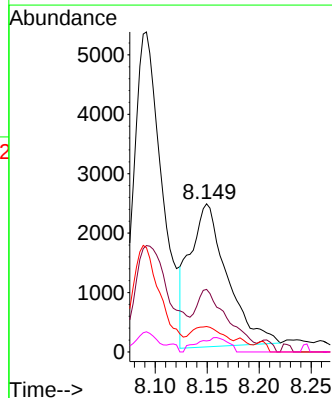
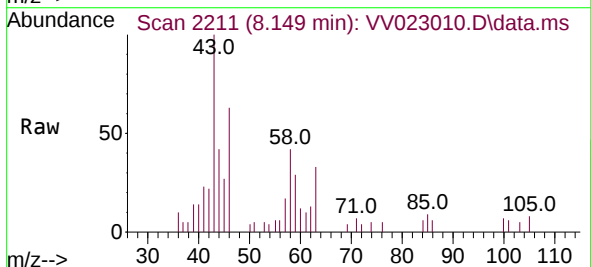


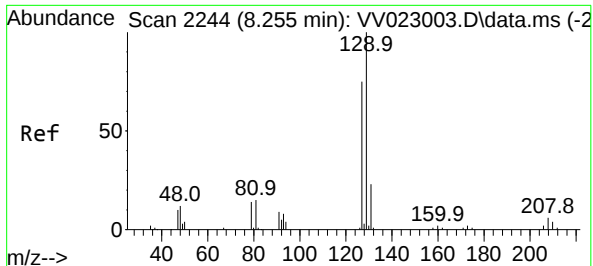
Tgt Ion:164 Resp: 133272
Ion Ratio Lower Upper
164 100
129 93.1 64.0 119.0
131 88.8 63.4 117.8
166 130.8 89.3 165.9



#48
2-Hexanone
Concen: 2.023 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. -0.006 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 43 Resp: 6046
Ion Ratio Lower Upper
43 100
58 37.8 43.7 65.5#
57 16.0 14.1 21.1
100 8.2 10.2 15.2#





#49

Dibromochloromethane

Concen: 14.607 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.280 min

Lab File: VV023010.D

Acq: 23 Oct 2021 15:23

Instrument :

MSVOA_V

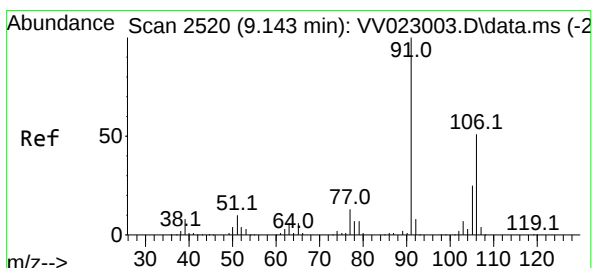
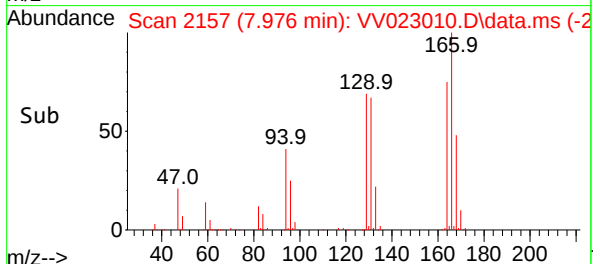
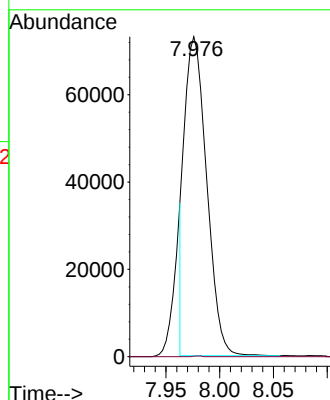
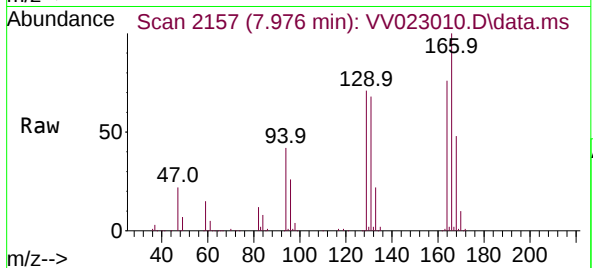
ClientSampleId :

Tgt Ion:129 Resp: 103970

Ion Ratio Lower Upper

129 100

127 0.2 54.7 101.7#



#53

m,p-xylene

Concen: 0.096 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.003 min

Lab File: VV023010.D

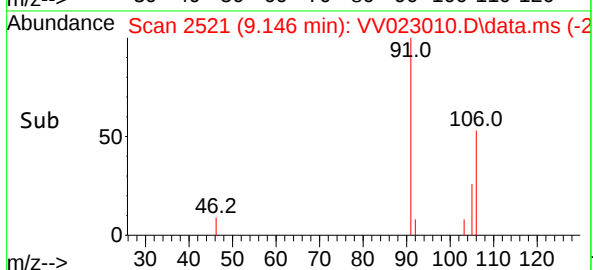
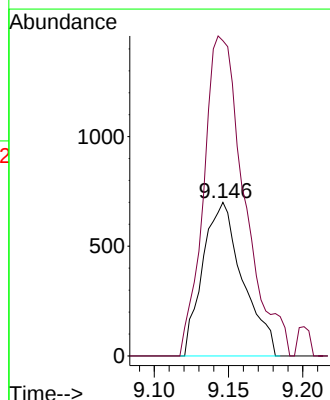
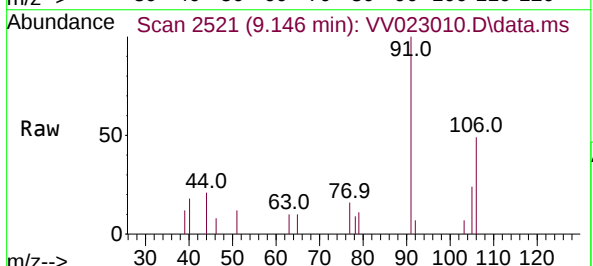
Acq: 23 Oct 2021 15:23

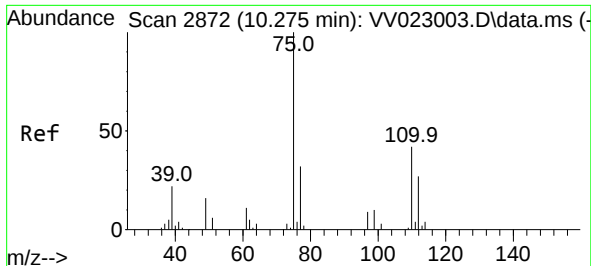
Tgt Ion:106 Resp: 1310

Ion Ratio Lower Upper

106 100

91 205.3 137.2 254.8

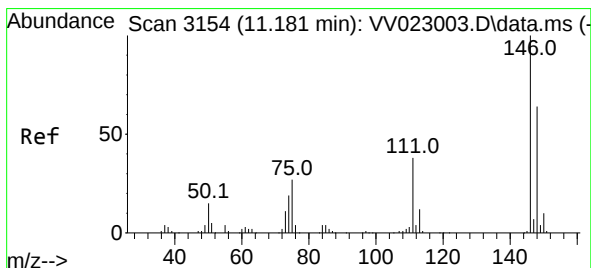
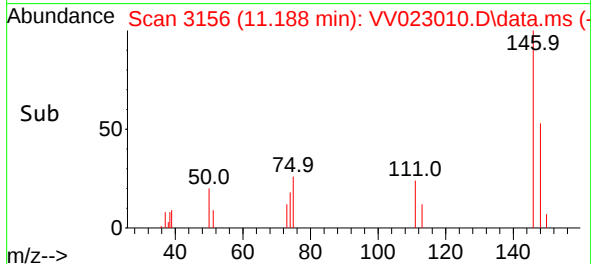
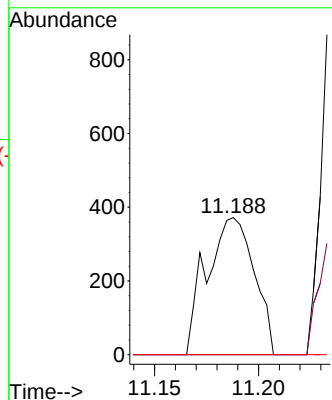
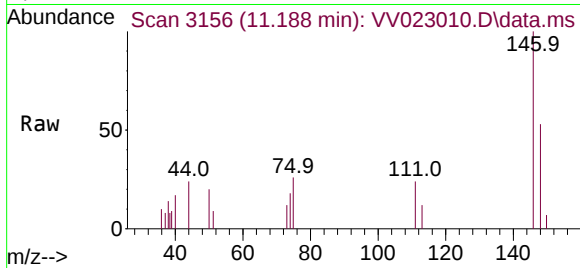




#61
1,2,3-Trichloropropane
Concen: 0.158 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

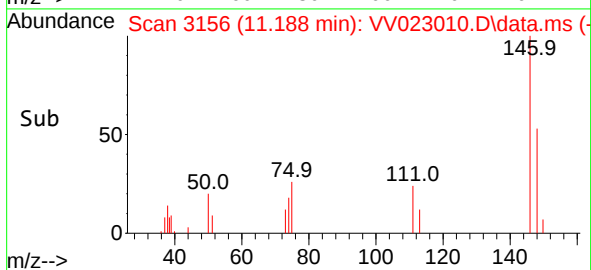
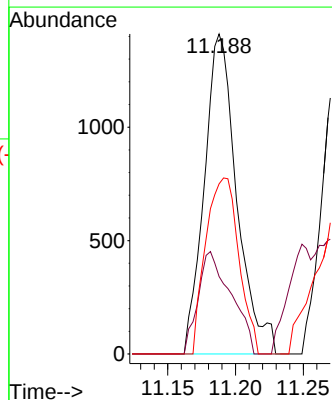
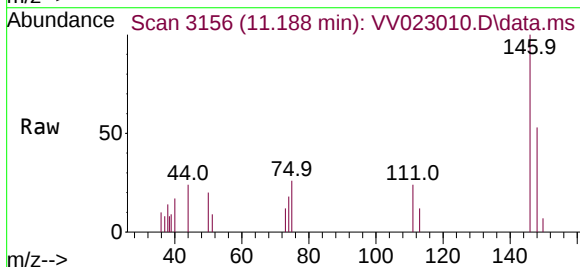
Instrument :
MSVOA_V
ClientSampleId :

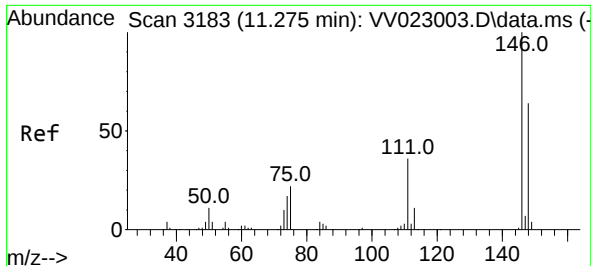
Tgt Ion: 75 Resp: 594
Ion Ratio Lower Upper
75 100
77 19.9 26.6 39.8#
110 0.0 31.8 47.6#



#64
1,3-Dichlorobenzene
Concen: 0.166 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.007 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

Tgt Ion: 146 Resp: 2355
Ion Ratio Lower Upper
146 100
111 24.2 26.7 49.7#
148 53.2 42.9 79.7

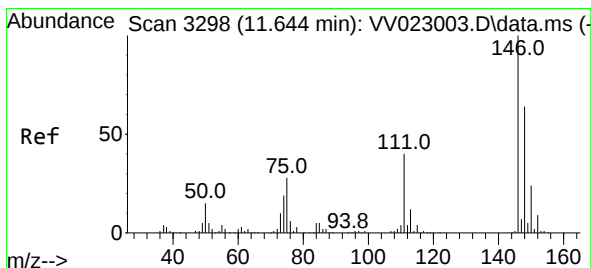
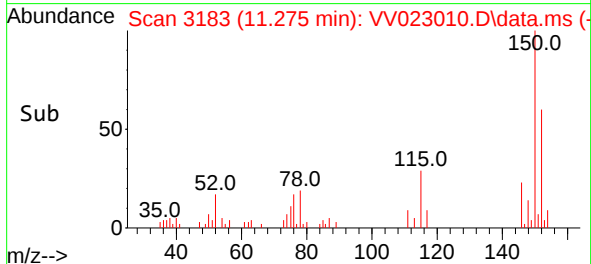
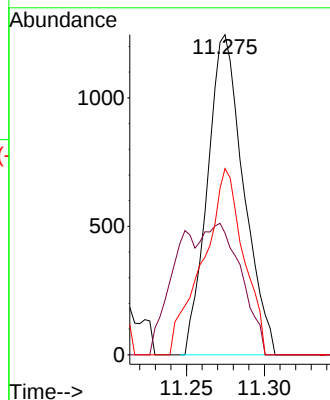
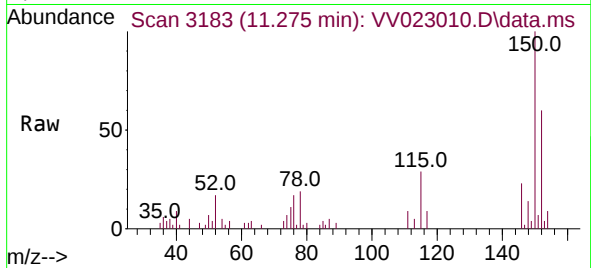




#65
1,4-Dichlorobenzene
Concen: 0.139 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

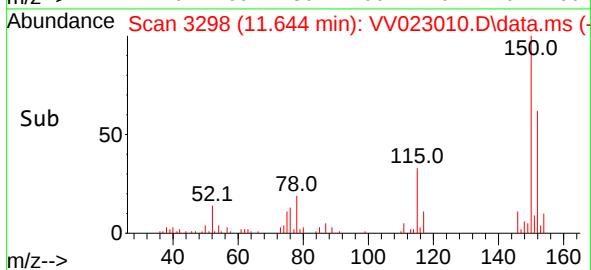
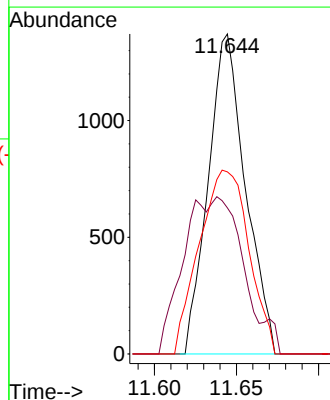
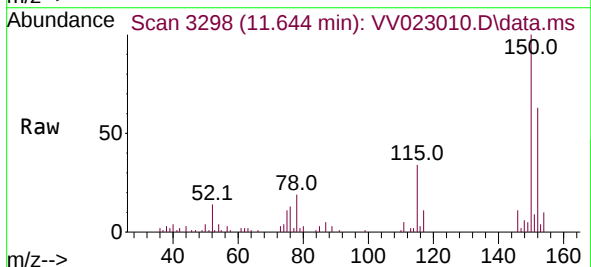
Instrument :
MSVOA_V
ClientSampleId :

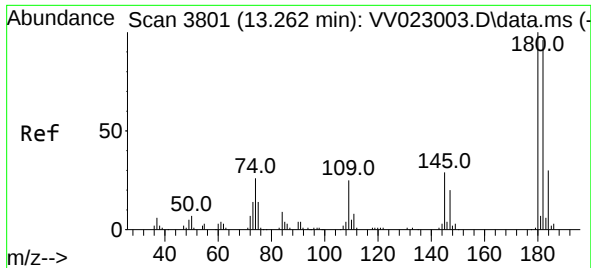
Tgt Ion:146 Resp: 2002
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.8
148 58.2 44.4 82.5



#67
1,2-Dichlorobenzene
Concen: 0.163 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV023010.D
Acq: 23 Oct 2021 15:23

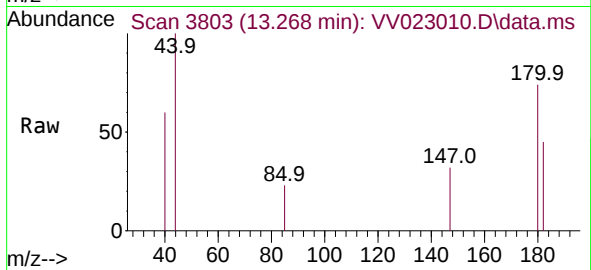
Tgt Ion:146 Resp: 2161
Ion Ratio Lower Upper
146 100
111 45.7 31.6 47.4
148 56.9 51.0 76.6





#70
 1,2,4-trichlorobenzene
 Concen: 0.056 ug/L
 RT: 13.268 min Scan# 3803
 Delta R.T. 0.007 min
 Lab File: VV023010.D
 Acq: 23 Oct 2021 15:23

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:180 Resp: 450
 Ion Ratio Lower Upper
 180 100
 182 66.2 76.9 115.3#
 145 4.4 24.4 36.6#

