

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
 Data File : VX023901.D
 Acq On : 23 Aug 2021 15:31
 Operator : JC/MD
 Sample : VX0823MBL01
 Misc : 5.00G/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 24 07:15:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

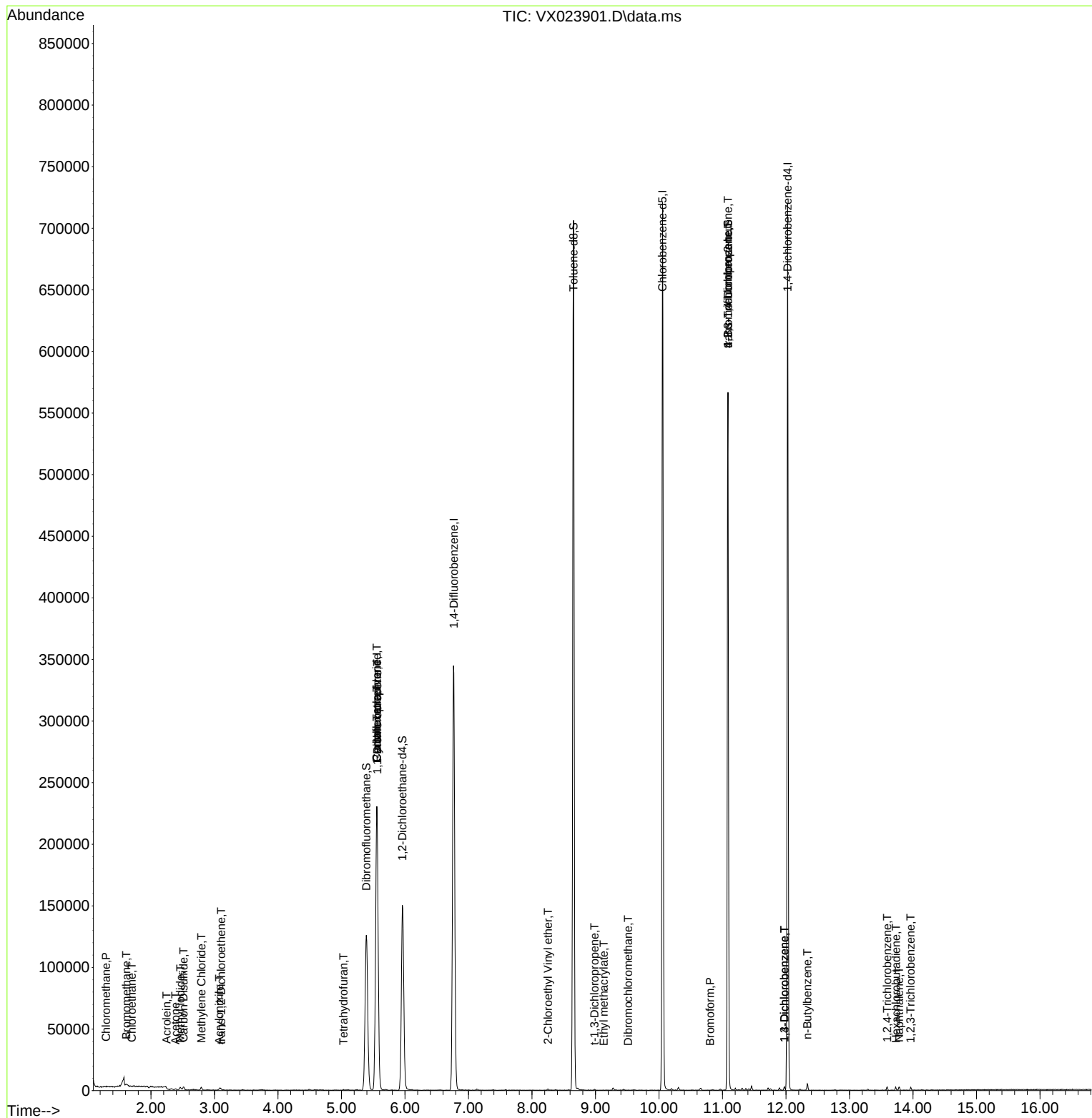
Internal Standards						
1) Pentafluorobenzene	5.556	168	214265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	343921	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148141	49.538	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.080%		
35) Dibromofluoromethane	5.391	113	108179	47.524	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.040%		
50) Toluene-d8	8.653	98	406027	46.865	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.720%		
62) 4-Bromofluorobenzene	11.086	95	144446	45.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.580%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	546	0.220	ug/l #	66
5) Bromomethane	1.612	94	1679	1.103	ug/l	88
6) Chloroethane	1.697	64	25	2.229	ug/l #	1
10) Methyl Iodide	2.465	142	2573	0.859	ug/l #	98
13) Acrolein	2.246	56	319	0.886	ug/l	97
15) Acrylonitrile	3.075	53	653	0.485	ug/l #	90
16) Acetone	2.386	43	919	0.687	ug/l	92
17) Carbon Disulfide	2.514	76	3138	0.640	ug/l	99
20) Methylene Chloride	2.794	84	861	0.337	ug/l #	88
21) trans-1,2-Dichloroethene	3.105	96	611	0.278	ug/l #	60
29) Tetrahydrofuran	5.032	42	330	0.252	ug/l #	32
31) Cyclohexane	5.556	56	5300	1.379	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	17155	5.386	ug/l #	50
38) Carbon Tetrachloride	5.556	117	21621	6.510	ug/l #	17
53) t-1,3-Dichloropropene	8.982	75	459	2.245	ug/l #	44
56) Ethyl methacrylate	9.129	69	22	0.764	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.251	63	428	0.212	ug/l	98
60) Dibromochloromethane	9.513	129	32	1.699	ug/l #	11
71) Bromoform	10.805	173	69	1.967	ug/l #	29
76) 1,2,3-Trichloropropane	11.086	75	77782	24.024	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.086	75	77782	70.667	ug/l #	12
87) 1,3-Dichlorobenzene	11.976	146	1023	0.217	ug/l	94
88) 1,4-Dichlorobenzene	11.976	146	1023	0.217	ug/l	94
89) n-Butylbenzene	12.335	91	1573	0.200	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	701	0.255	ug/l	95
94) Hexachlorobutadiene	13.731	225	416	0.339	ug/l	84
95) Naphthalene	13.780	128	2044	1.479	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	714	0.261	ug/l	90

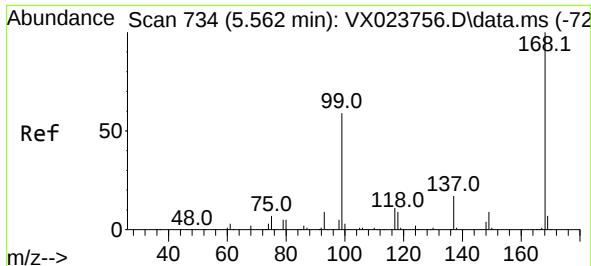
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082321\
Data File : VX023901.D
Acq On : 23 Aug 2021 15:31
Operator : JC/MD
Sample : VX0823MBL01
Misc : 5.00G/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Aug 24 07:15:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

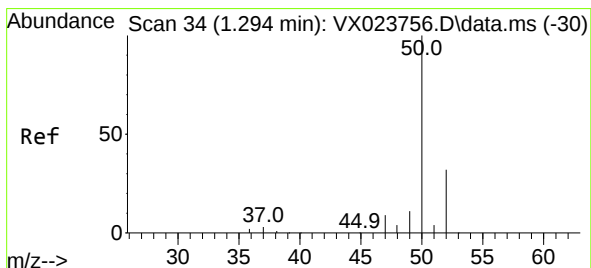
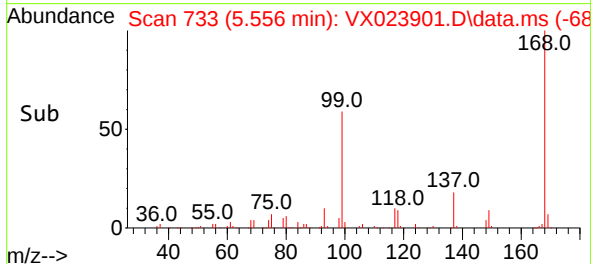
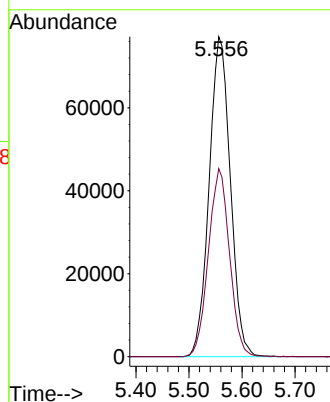
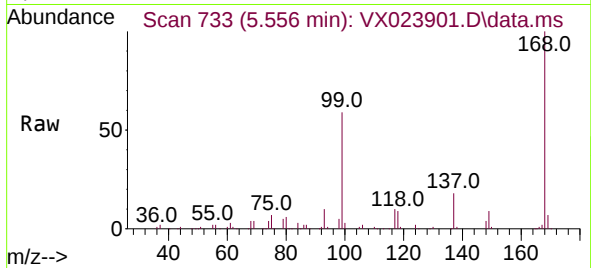




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

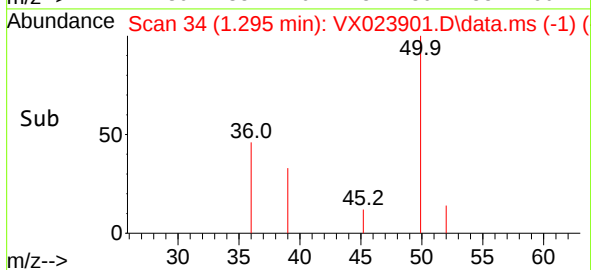
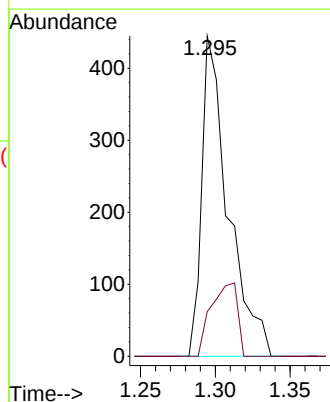
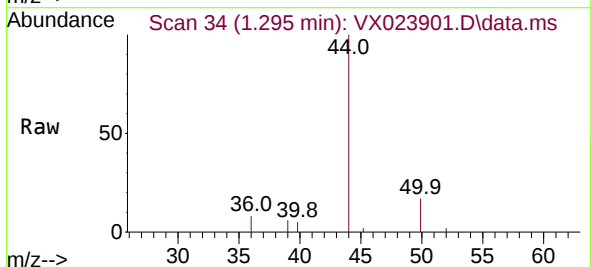
Instrument :
MSVOA_X
ClientSampleId :

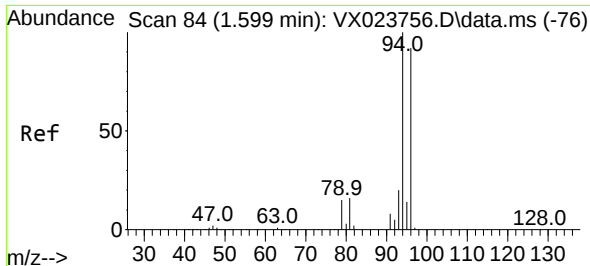
Tgt Ion:168 Resp: 214265
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 13.9 26.4 39.6#

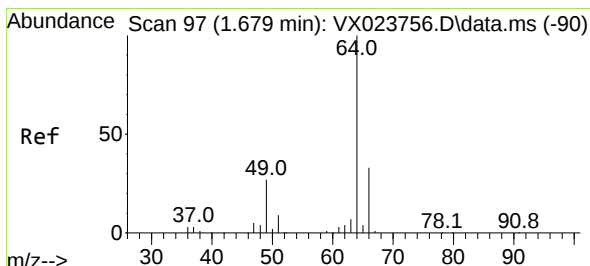
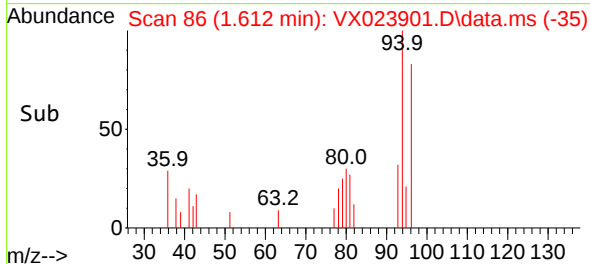
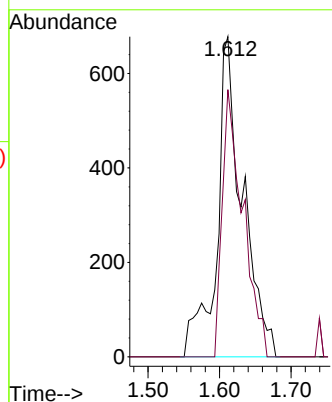
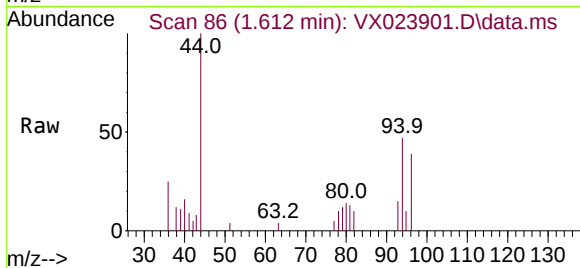




#5
Bromomethane
Concen: 1.103 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

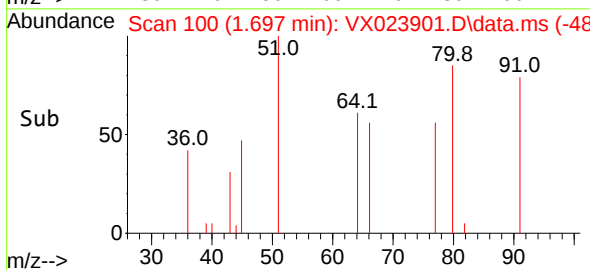
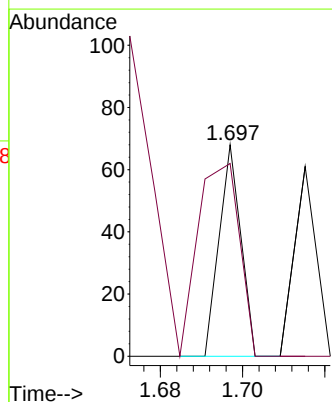
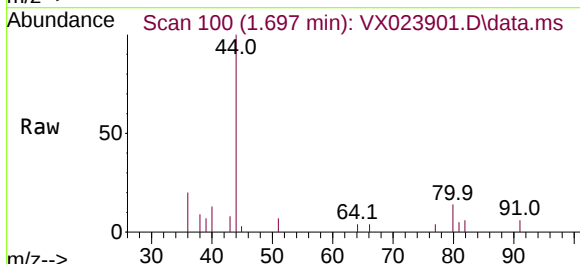
Instrument :
MSVOA_X
ClientSampleId :

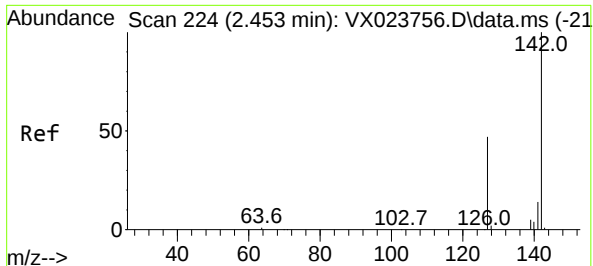
Tgt Ion: 94 Resp: 1679
Ion Ratio Lower Upper
94 100
96 83.5 76.4 114.6



#6
Chloroethane
Concen: 2.229 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

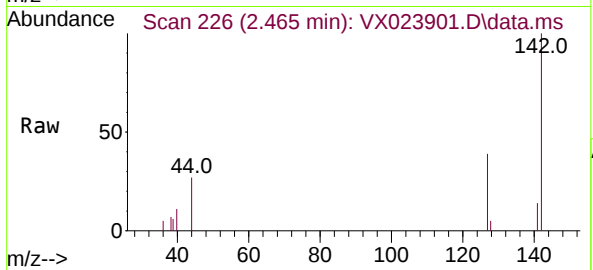
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 91.2 25.4 38.0#



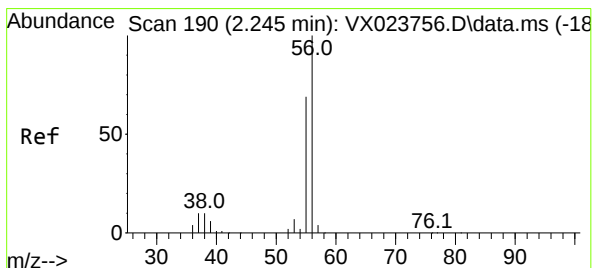
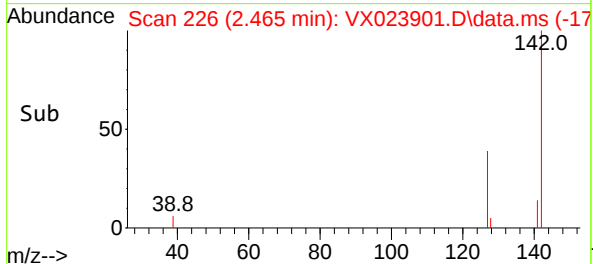
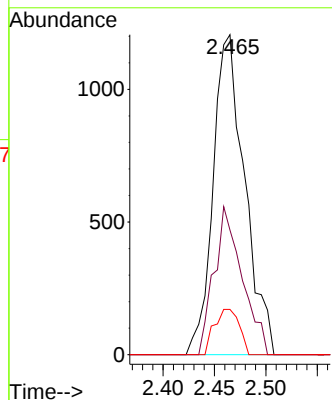


#10
Methyl Iodide
Concen: 0.859 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Instrument :
MSVOA_X
ClientSampled :

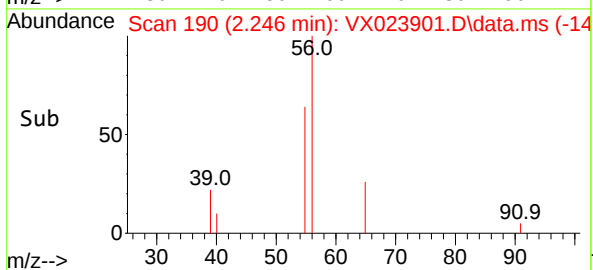
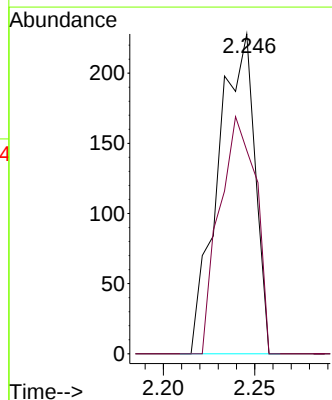
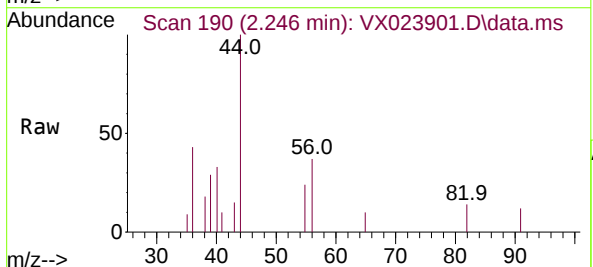


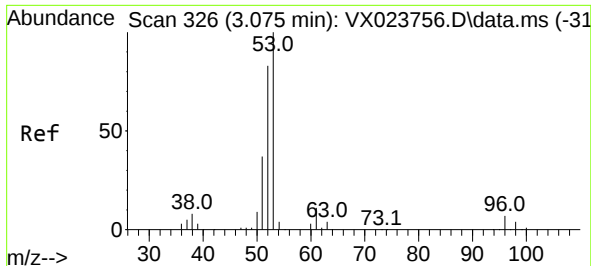
Tgt Ion:142 Resp: 2573
Ion Ratio Lower Upper
142 100
127 41.1 33.3 49.9
141 11.2 11.4 17.0#



#13
Acrolein
Concen: 0.886 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.001 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 73.4 56.4 84.6

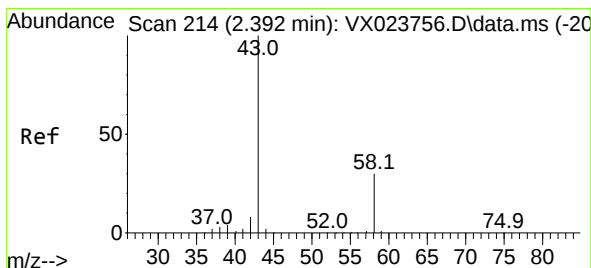
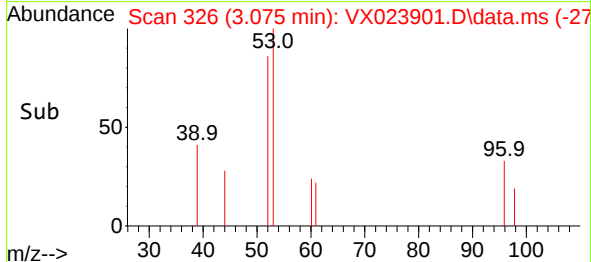
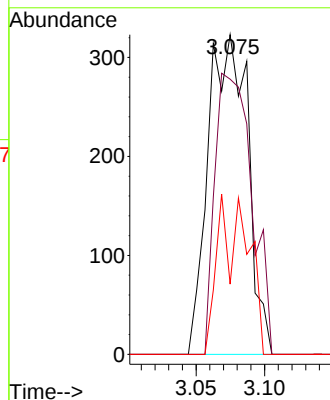
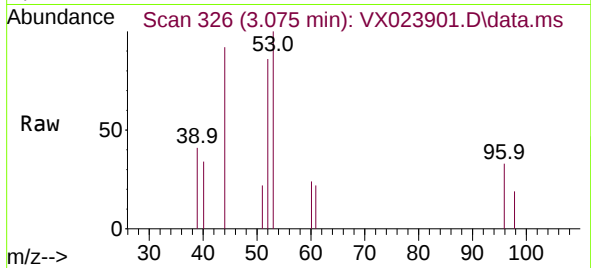




#15
Acrylonitrile
Concen: 0.485 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

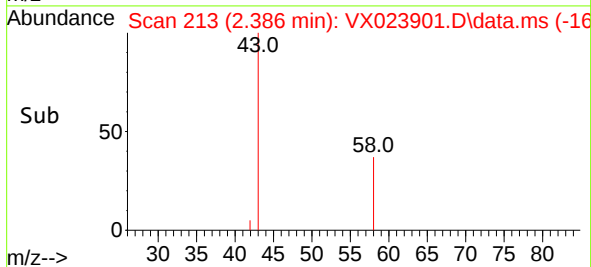
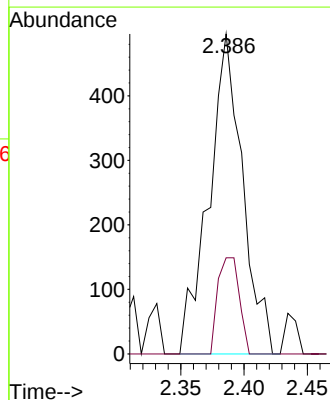
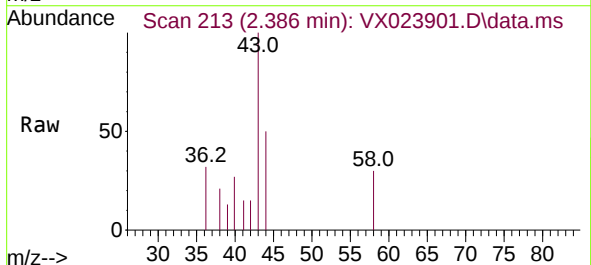
Instrument :
MSVOA_X
ClientSampled :

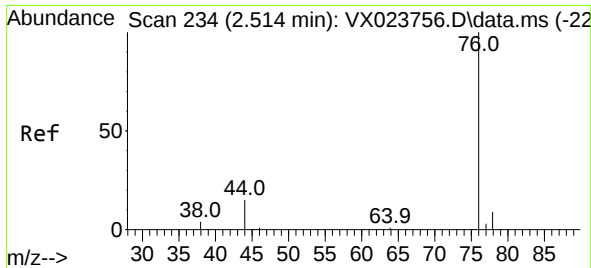
Tgt Ion: 53 Resp: 653
Ion Ratio Lower Upper
53 100
52 81.2 65.3 97.9
51 16.7 28.2 42.2#



#16
Acetone
Concen: 0.687 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 30.0 27.8 41.8

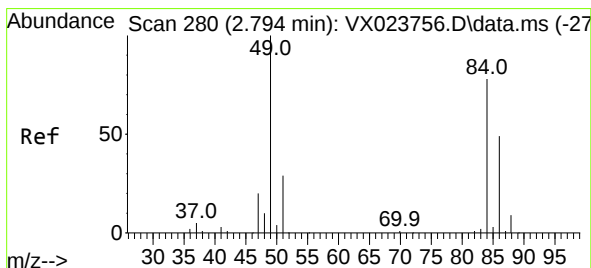
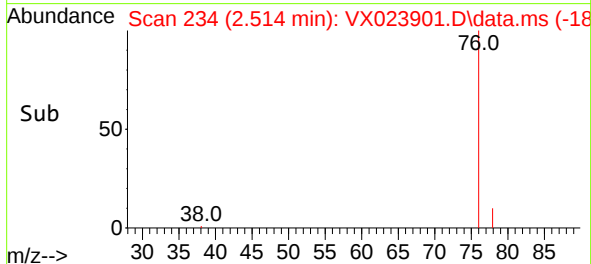
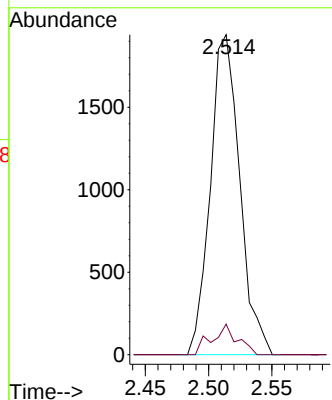
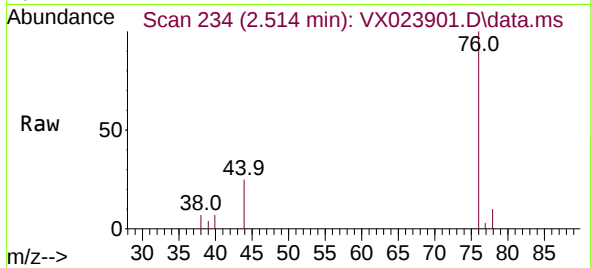




#17
Carbon Disulfide
Concen: 0.640 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

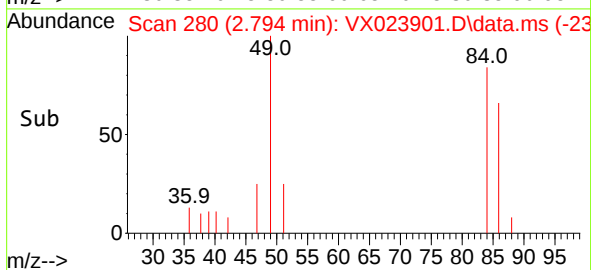
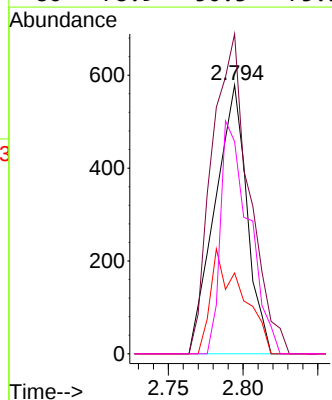
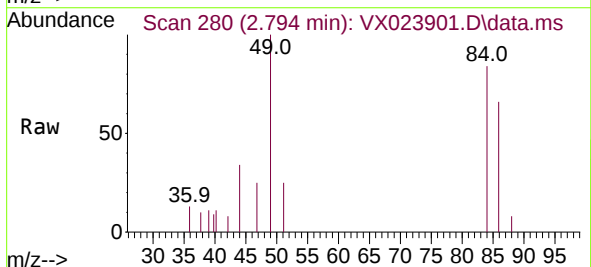
Instrument :
MSVOA_X
ClientSampled :

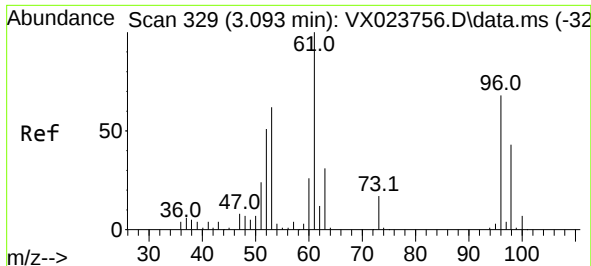
Tgt Ion: 76 Resp: 3138
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8



#20
Methylene Chloride
Concen: 0.337 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 84 Resp: 861
Ion Ratio Lower Upper
84 100
49 119.0 88.6 132.8
51 30.1 27.0 40.6
86 78.9 50.3 75.5#

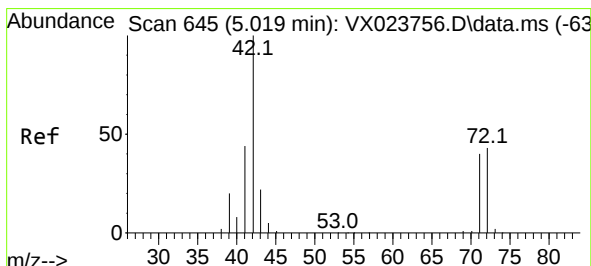
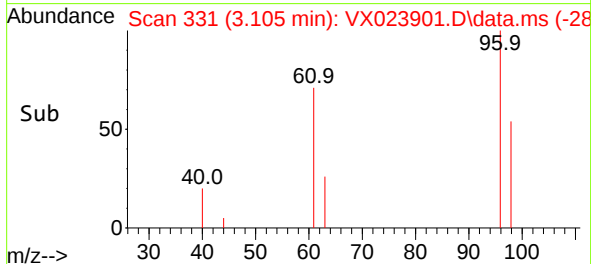
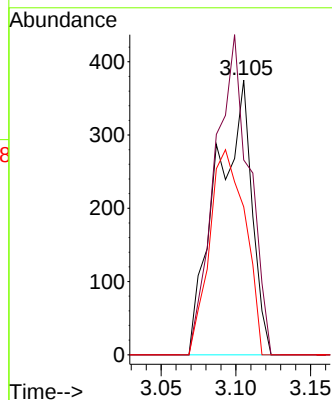
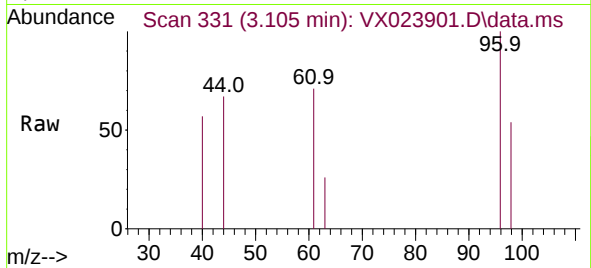




#21
trans-1,2-Dichloroethene
Concen: 0.278 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.012 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

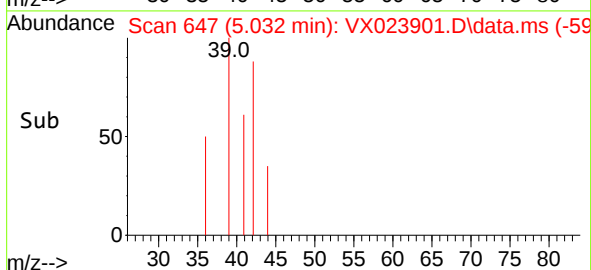
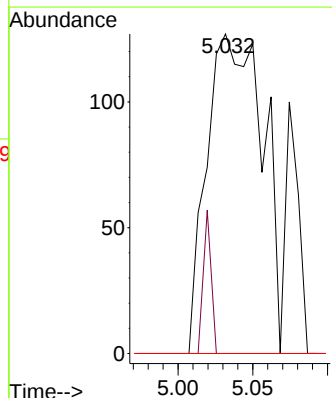
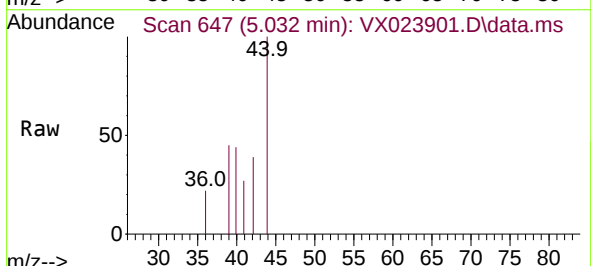
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MSVOA_X
ClientSampled :

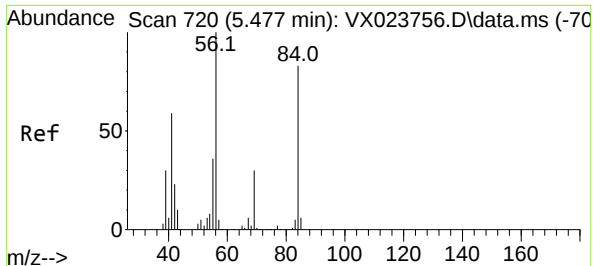
Tgt Ion: 96 Resp: 611
Ion Ratio Lower Upper
96 100
61 70.9 107.7 161.5#
98 53.9 50.4 75.6



#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 42 Resp: 330
Ion Ratio Lower Upper
42 100
72 6.4 41.7 62.5#
71 0.0 38.4 57.6#

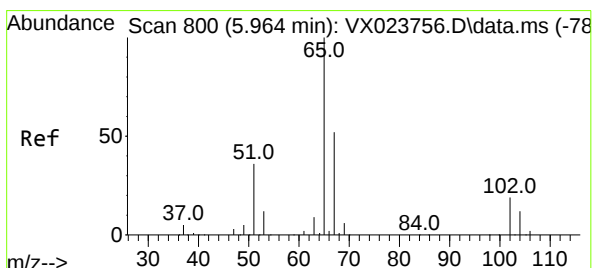
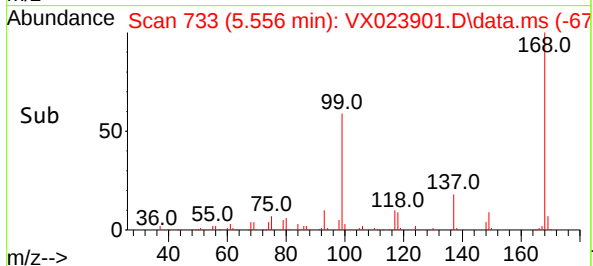
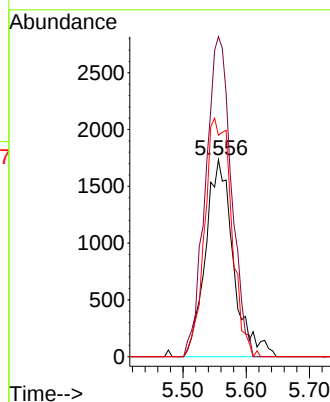
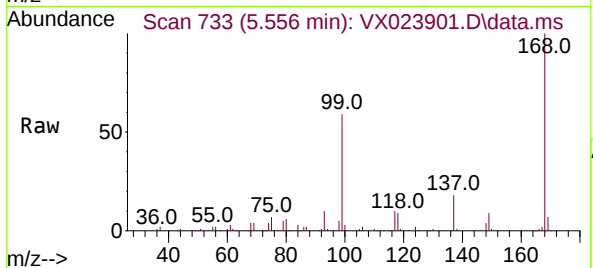




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

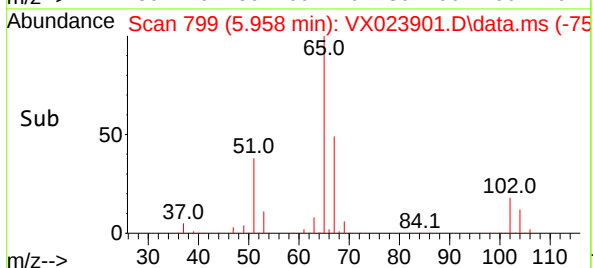
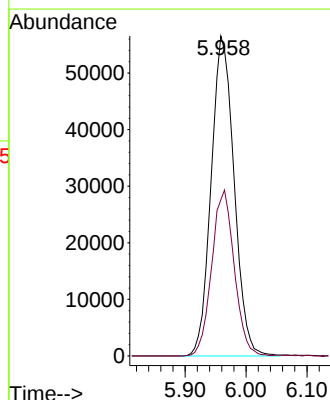
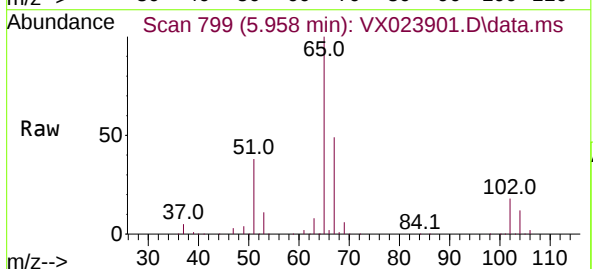
Instrument :
MSVOA_X
ClientSampleId :

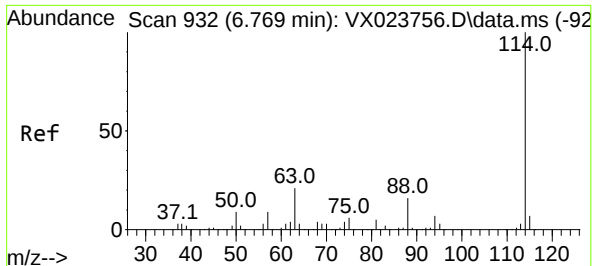
Tgt Ion: 56 Resp: 5300
Ion Ratio Lower Upper
56 100
69 162.5 25.3 37.9#
84 112.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.538 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 65 Resp: 148141
Ion Ratio Lower Upper
65 100
67 50.9 0.0 105.4

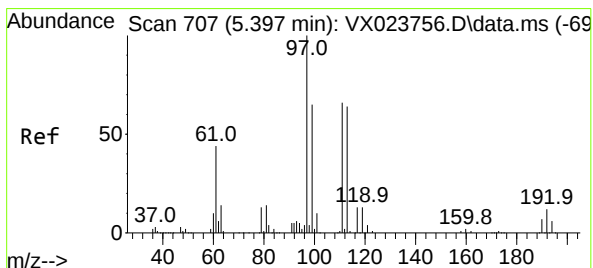
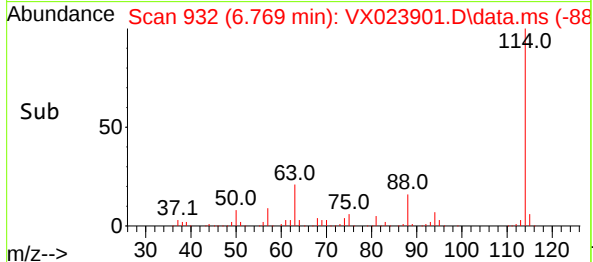
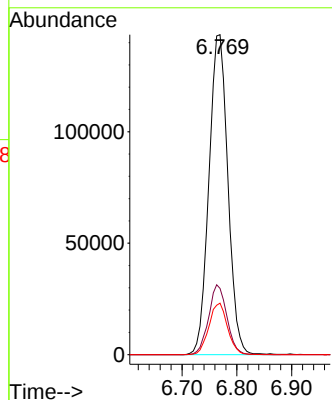
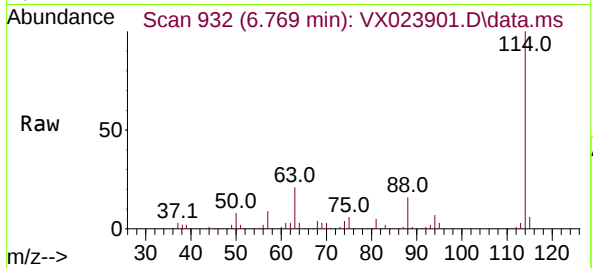




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

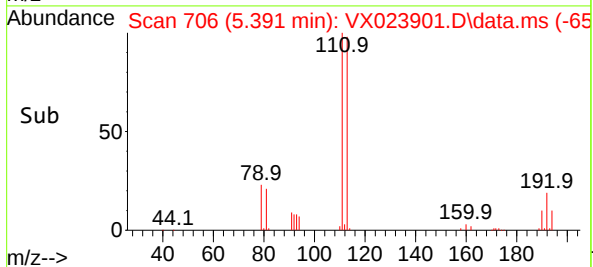
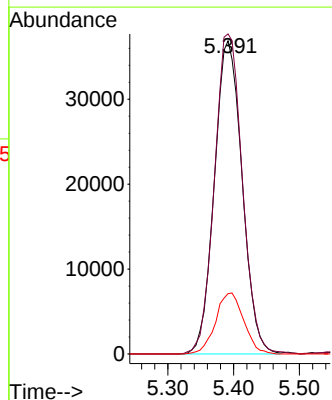
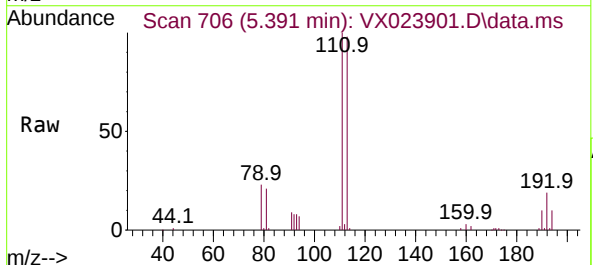
Instrument :
MSVOA_X
ClientSampled :

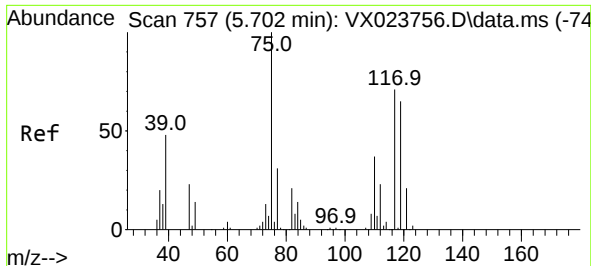
Tgt Ion:114 Resp: 343921
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.524 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion:113 Resp: 108179
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 19.7 16.7 25.1

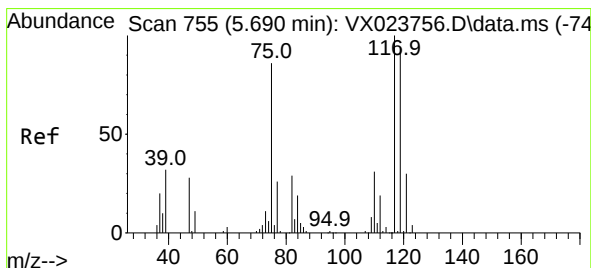
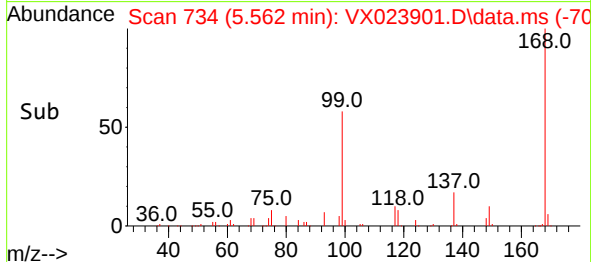
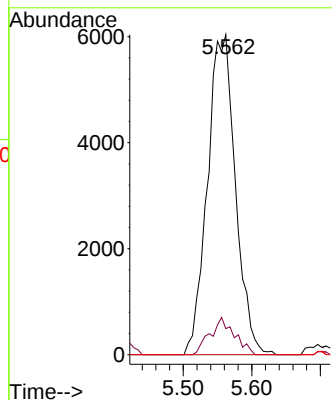
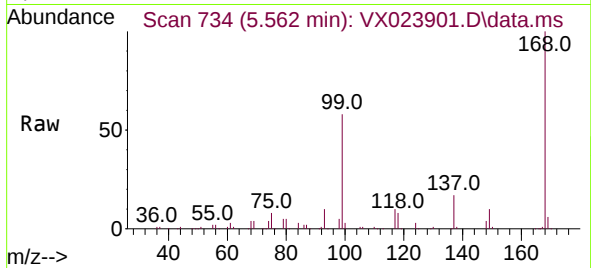




#36
1,1-Dichloropropene
Concen: 5.386 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

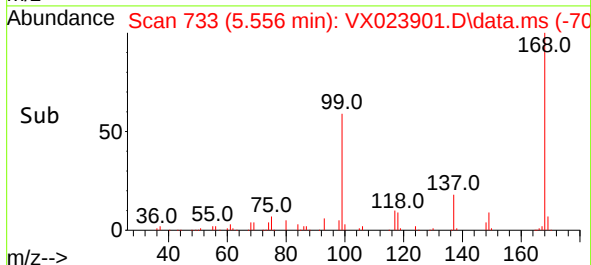
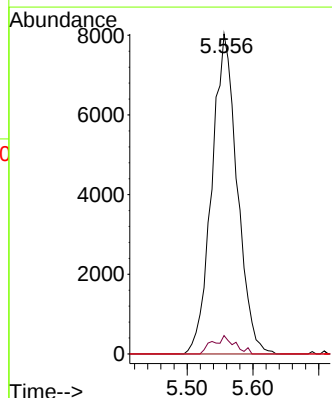
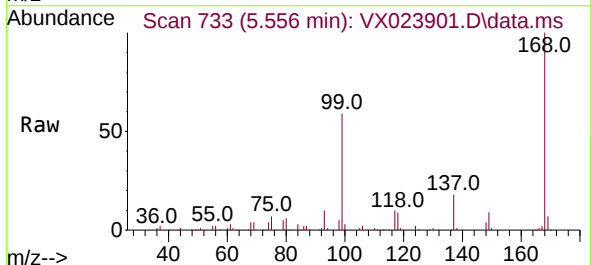
Instrument :
MSVOA_X
ClientSampled :

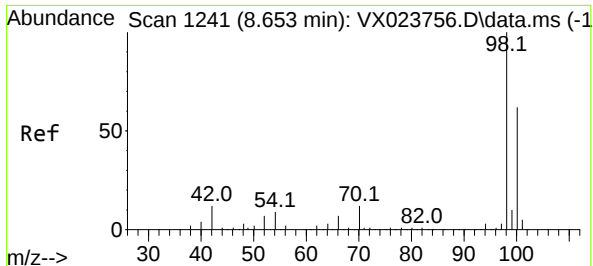
Tgt Ion: 75 Resp: 17155
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.510 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 117 Resp: 21621
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 46.865 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX023901.D

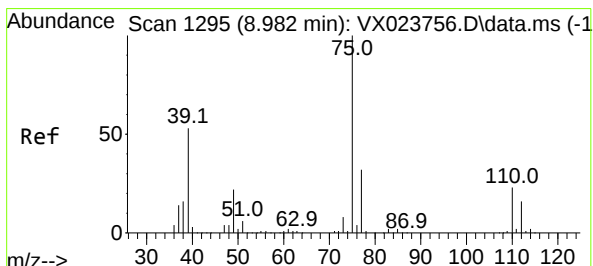
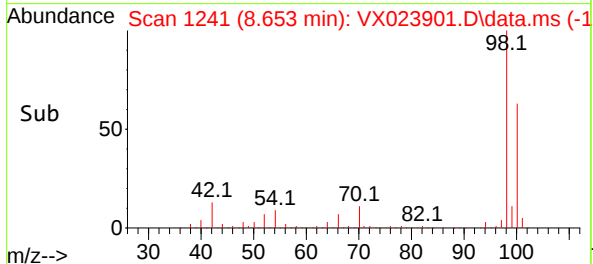
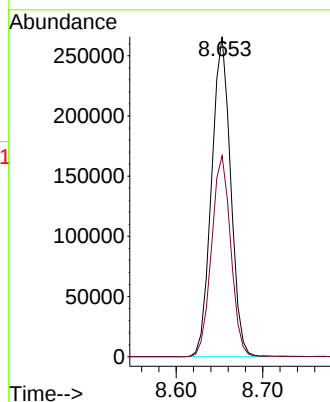
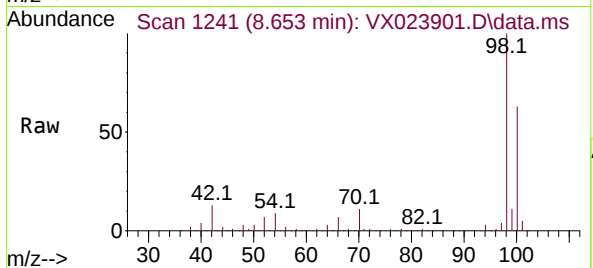
Acq: 23 Aug 2021 15:31

Tgt Ion: 98 Resp: 406027

Ion Ratio Lower Upper

98 100

100 63.3 51.9 77.9



#53

t-1,3-Dichloropropene

Concen: 2.245 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX023901.D

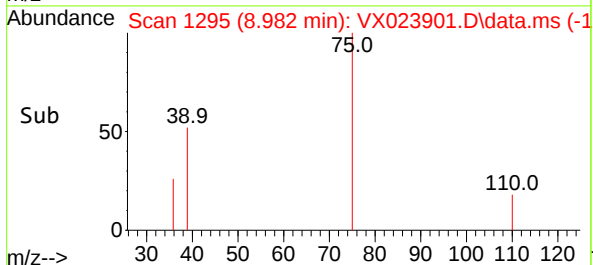
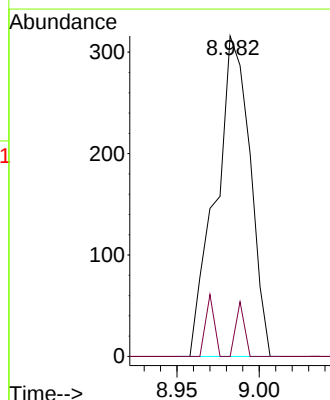
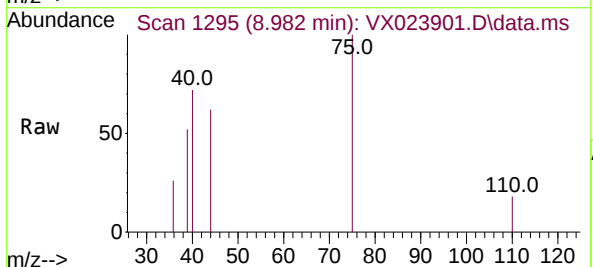
Acq: 23 Aug 2021 15:31

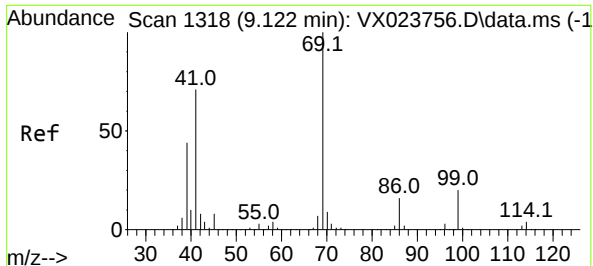
Tgt Ion: 75 Resp: 459

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

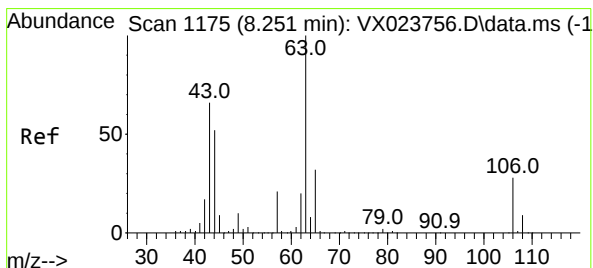
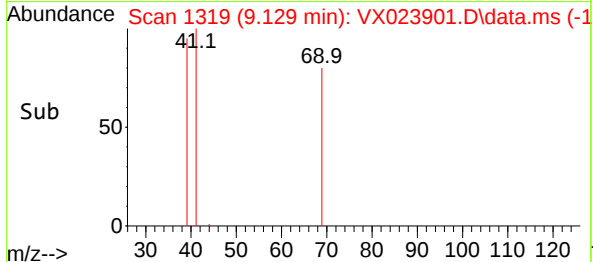
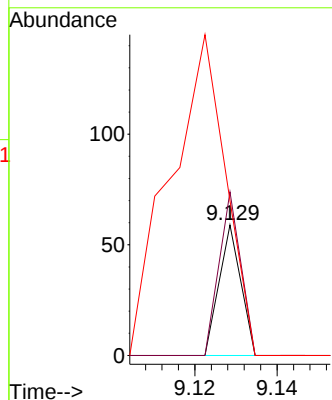
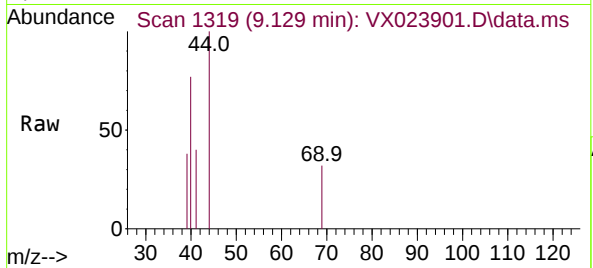




#56
Ethyl methacrylate
Concen: 0.764 ug/l
RT: 9.129 min Scan# 1319
Delta R.T. 0.007 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

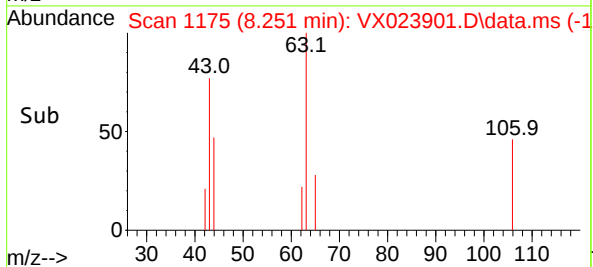
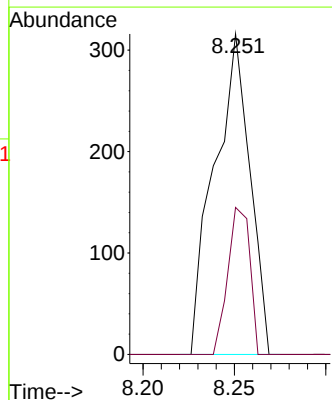
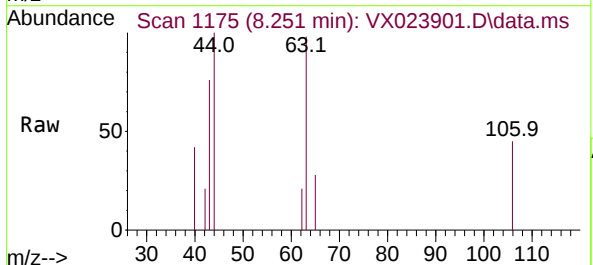
Instrument :
MSVOA_X
ClientSampled :

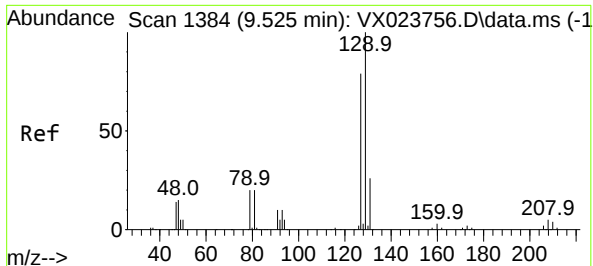
Tgt Ion: 69 Resp: 22
Ion Ratio Lower Upper
69 100
41 122.7 46.8 70.2#
39 618.2 24.7 37.1#



#58
2-Chloroethyl Vinyl ether
Concen: 0.212 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. -0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 63 Resp: 428
Ion Ratio Lower Upper
63 100
106 28.3 23.5 35.3





#60

Dibromochloromethane

Concen: 1.699 ug/l

RT: 9.513 min Scan# 1382

Delta R.T. -0.012 min

Lab File: VX023901.D

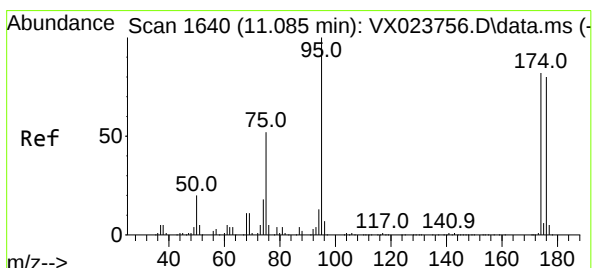
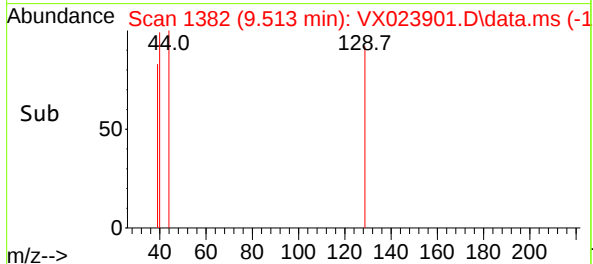
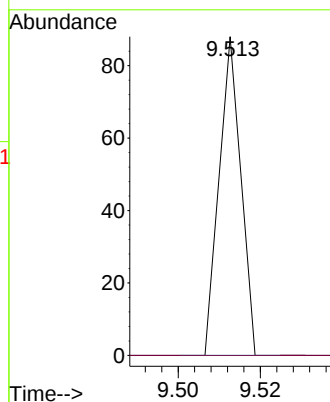
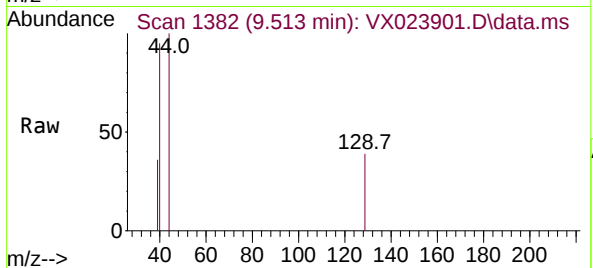
Acq: 23 Aug 2021 15:31

Tgt Ion:129 Resp: 32

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.290 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX023901.D

Acq: 23 Aug 2021 15:31

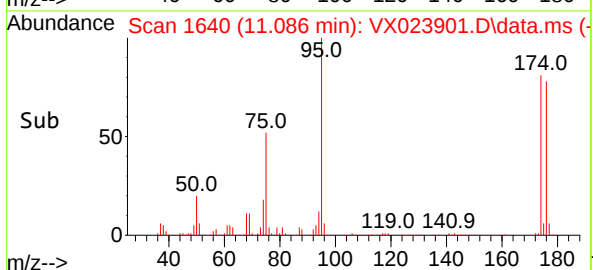
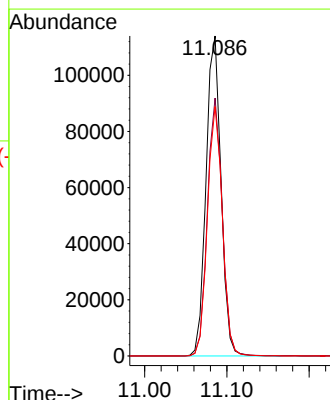
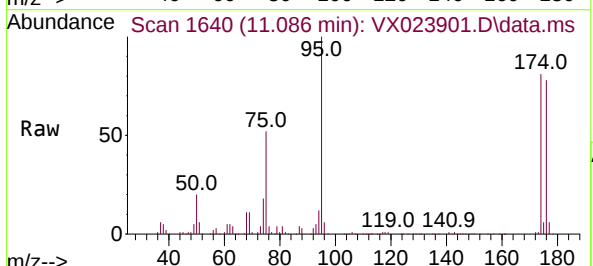
Tgt Ion: 95 Resp: 144446

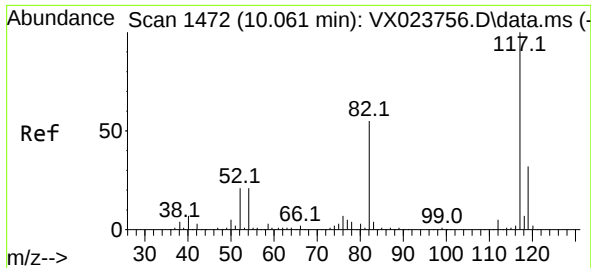
Ion Ratio Lower Upper

95 100

174 80.0 0.0 154.6

176 77.8 0.0 155.8

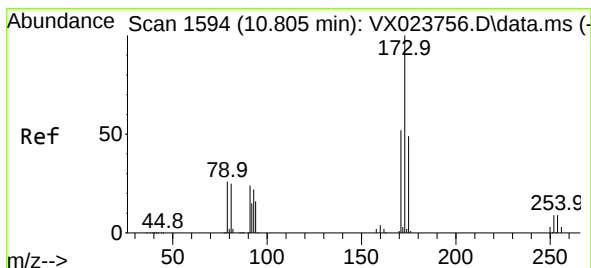
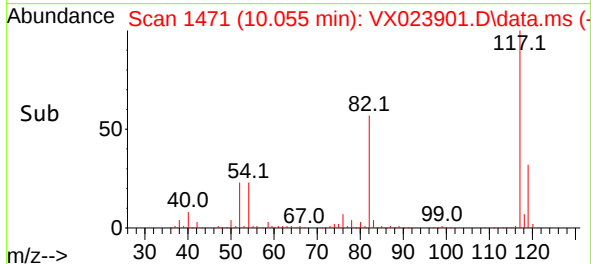
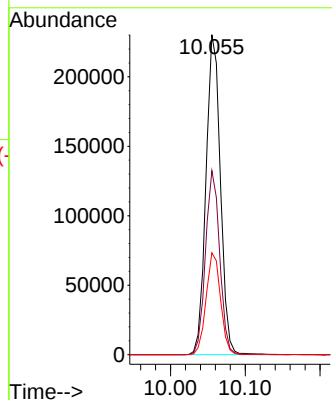
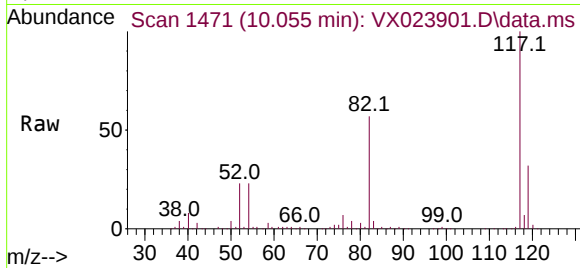




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

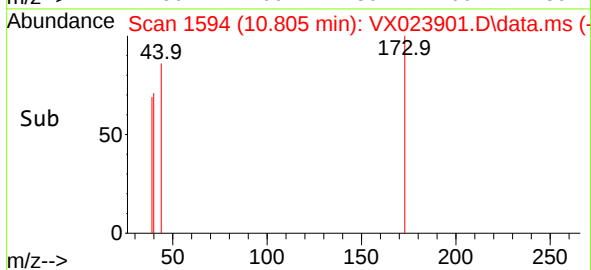
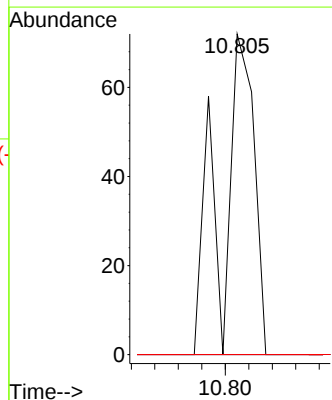
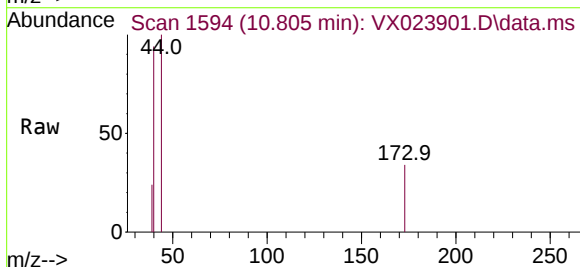
Instrument :
MSVOA_X
ClientSampleId :

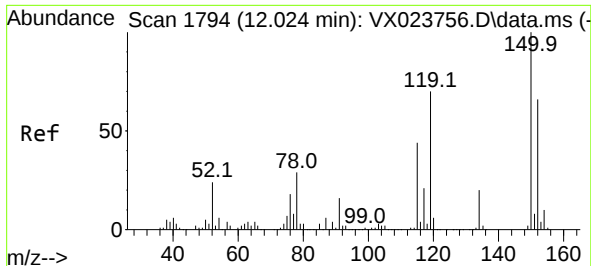
Tgt Ion:117 Resp: 308193
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.9 26.6 39.8



#71
Bromoform
Concen: 1.967 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion:173 Resp: 69
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.1 0.1#

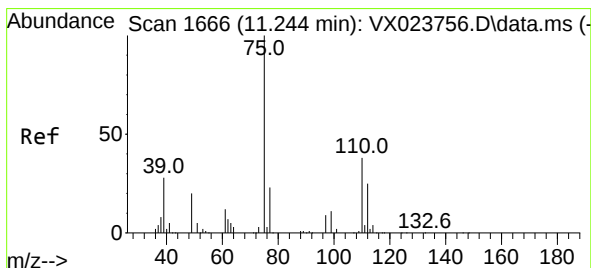
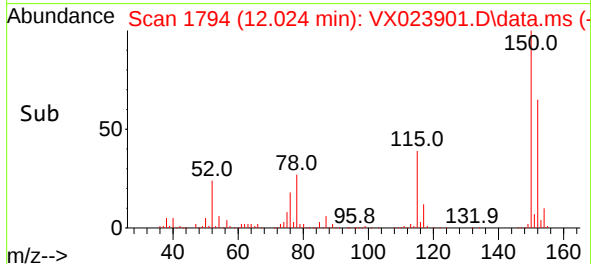
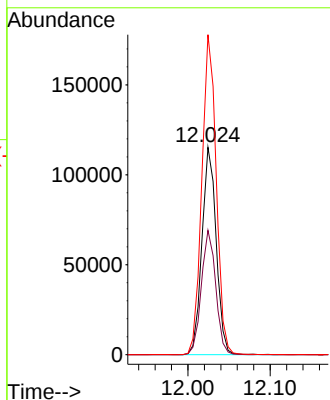
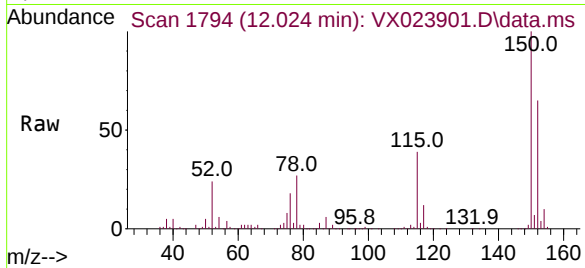




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023901.D
 Acq: 23 Aug 2021 15:31

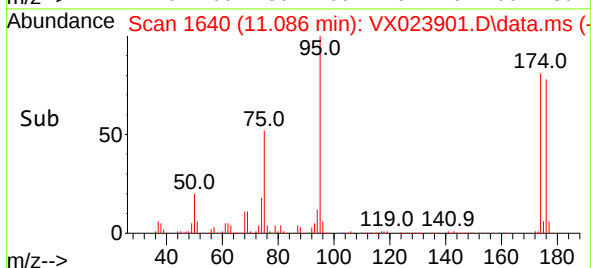
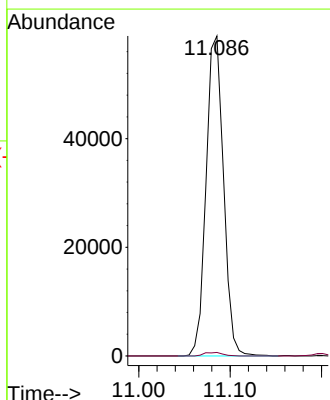
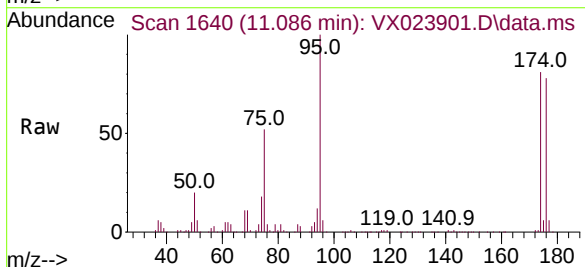
Instrument :
 MSVOA_X
 ClientSampled :

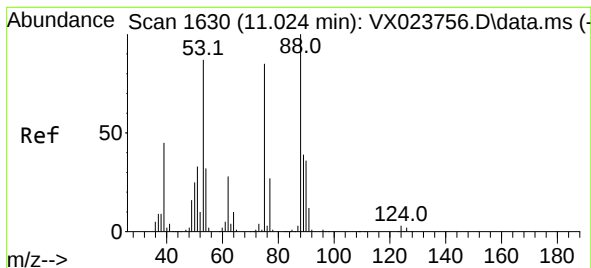
Tgt Ion:152 Resp: 138794
 Ion Ratio Lower Upper
 152 100
 115 60.4 41.1 123.3
 150 155.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.024 ug/l
 RT: 11.086 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023901.D
 Acq: 23 Aug 2021 15:31

Tgt Ion: 75 Resp: 77782
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

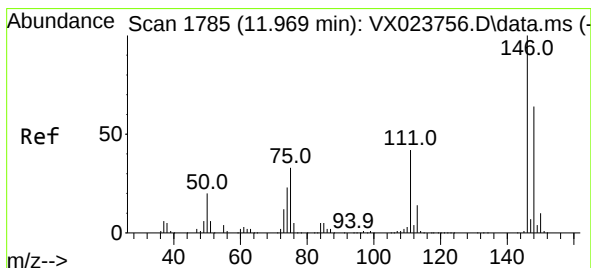
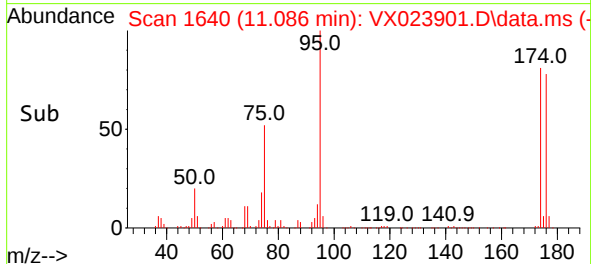
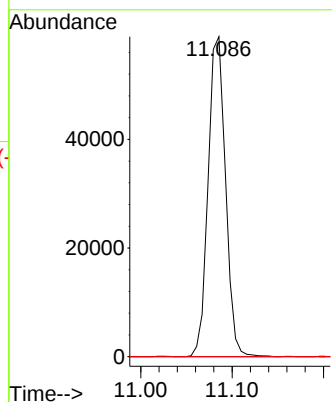
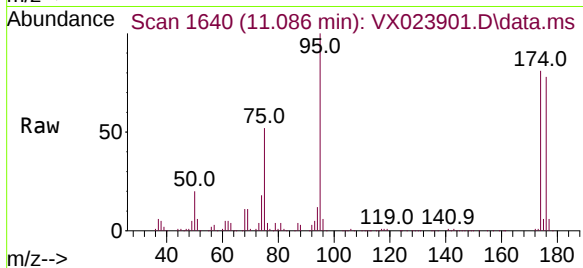




#81
trans-1,4-Dichloro-2-butene
Concen: 70.667 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

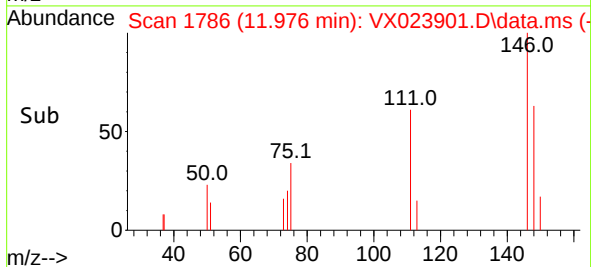
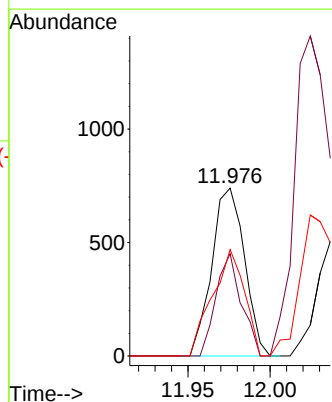
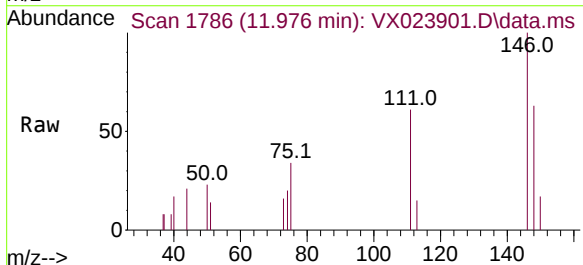
Instrument :
MSVOA_X
ClientSampled :

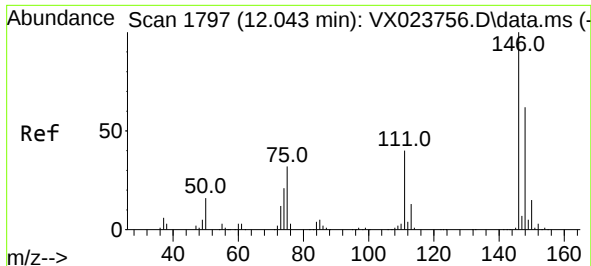
Tgt Ion: 75 Resp: 77782
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.007 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion:146 Resp: 1023
Ion Ratio Lower Upper
146 100
111 47.4 20.2 60.5
148 62.4 31.9 95.7

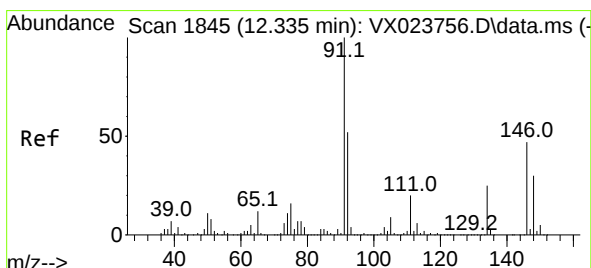
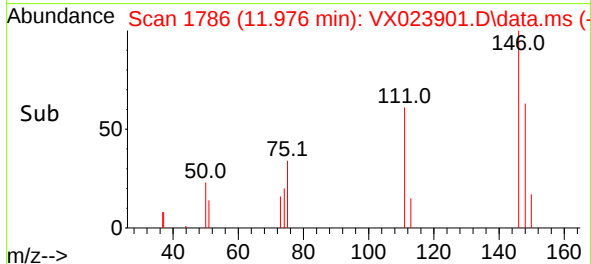
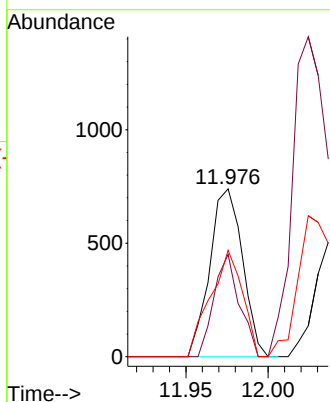
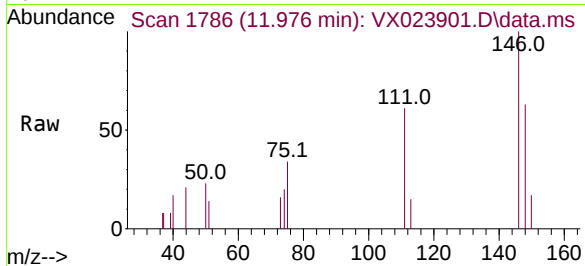




#88
1,4-Dichlorobenzene
Concen: 0.217 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.067 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

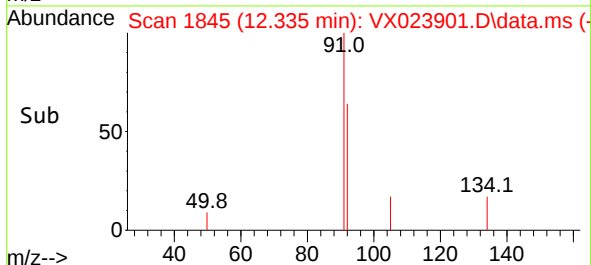
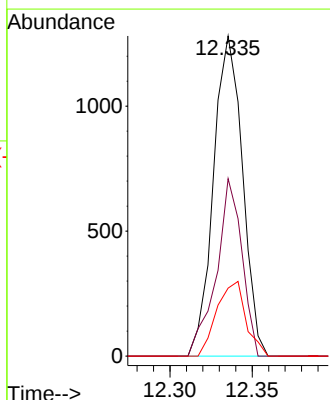
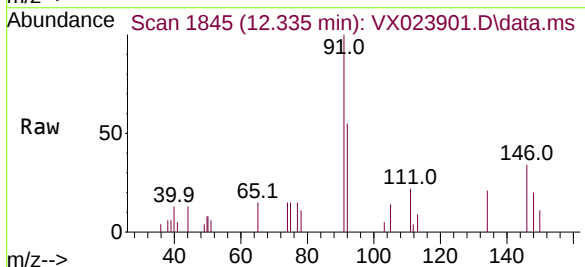
Instrument :
MSVOA_X
ClientSampled :

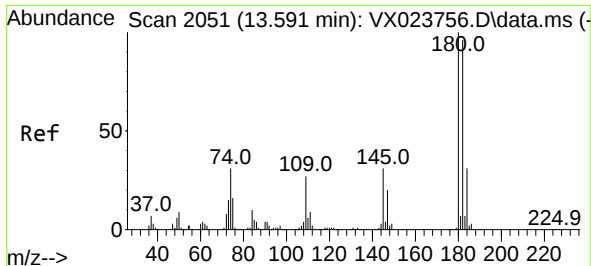
Tgt Ion:146 Resp: 1023
Ion Ratio Lower Upper
146 100
111 47.4 19.6 58.8
148 62.4 31.6 95.0



#89
n-Butylbenzene
Concen: 0.200 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion: 91 Resp: 1573
Ion Ratio Lower Upper
91 100
92 48.9 27.4 82.0
134 23.3 13.2 39.5

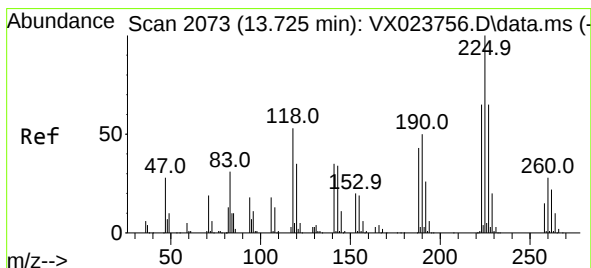
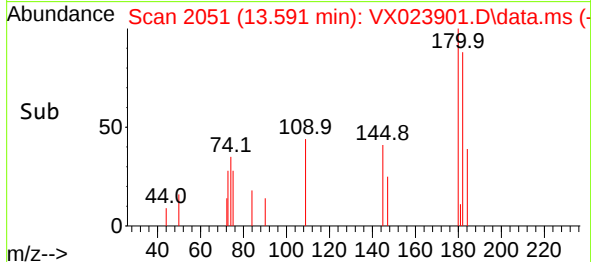
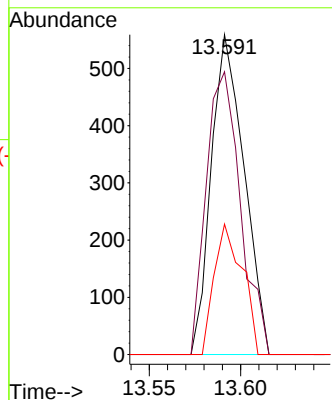
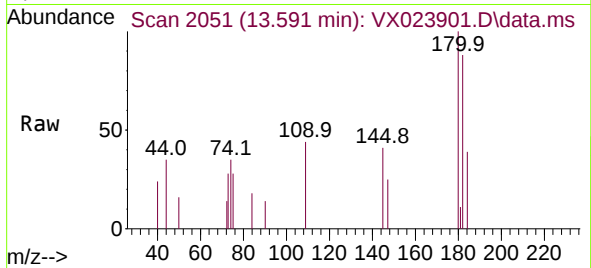




#93
1,2,4-Trichlorobenzene
Concen: 0.255 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

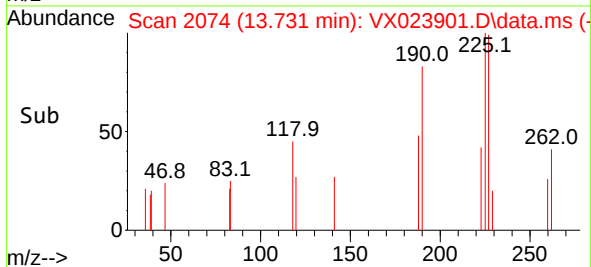
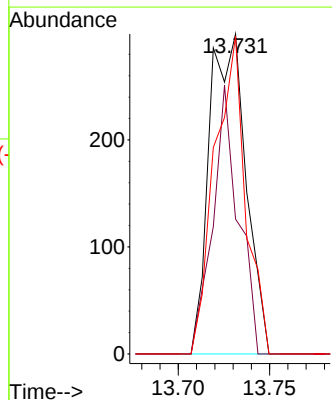
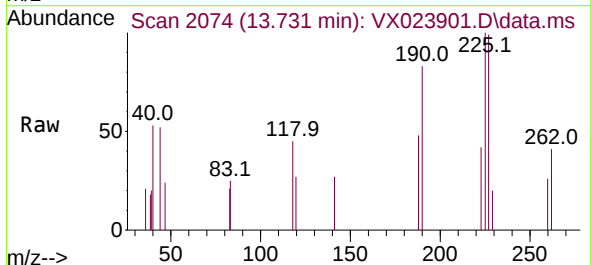
Instrument :
MSVOA_X
ClientSampled :

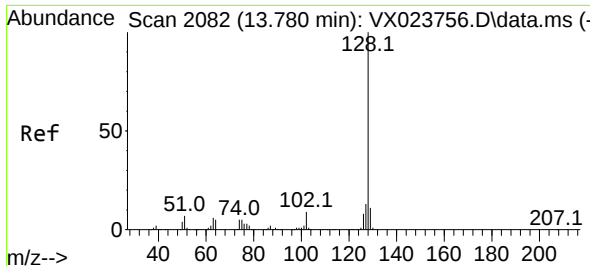
Tgt Ion:180 Resp: 701
Ion Ratio Lower Upper
180 100
182 92.0 47.7 143.1
145 34.8 15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.339 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion:225 Resp: 416
Ion Ratio Lower Upper
225 100
223 58.7 31.1 93.2
227 83.9 31.6 95.0

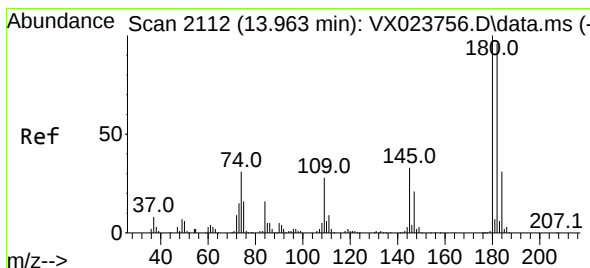
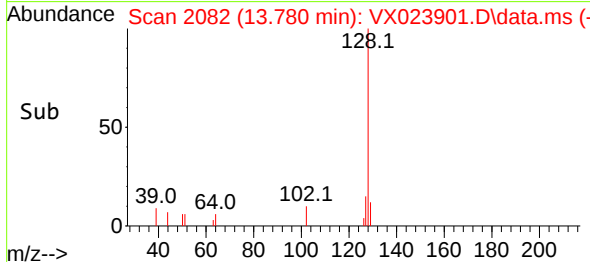
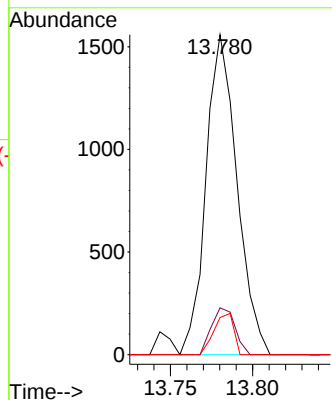
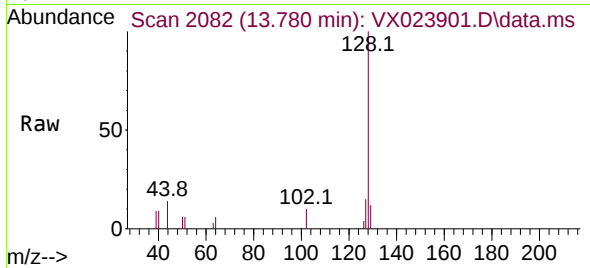




#95
Naphthalene
Concen: 1.479 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:128 Resp: 2044
Ion Ratio Lower Upper
128 100
127 11.1 10.3 15.5
129 8.2 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.261 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX023901.D
Acq: 23 Aug 2021 15:31

Tgt Ion:180 Resp: 714
Ion Ratio Lower Upper
180 100
182 106.0 47.6 142.9
145 29.1 16.1 48.3

