

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070221\
 Data File : VX023115.D
 Acq On : 02 Jul 2021 18:18
 Operator : JC/MD
 Sample : M2892-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4DL

Quant Time: Jul 05 02:56:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

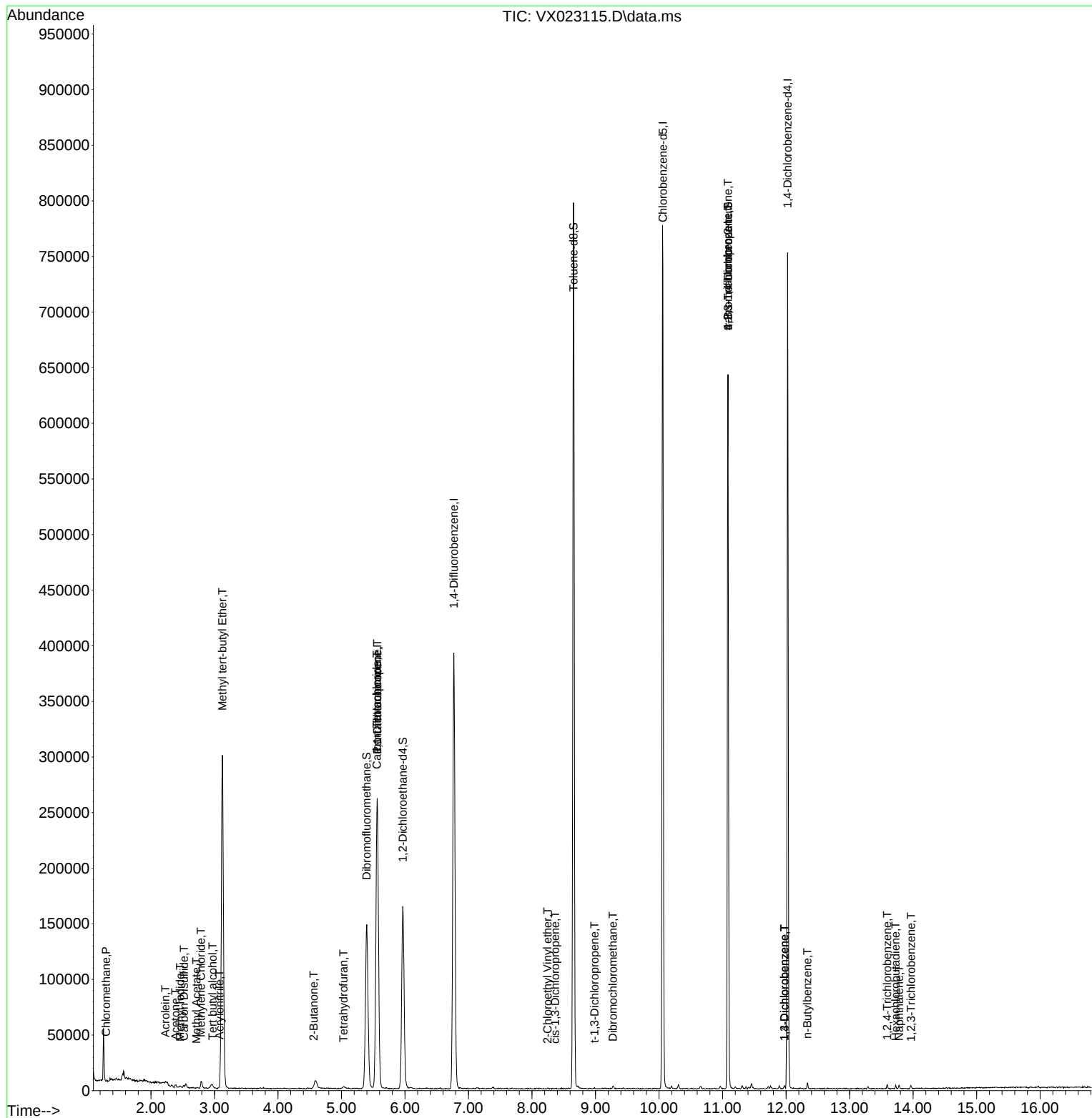
Internal Standards						
1) Pentafluorobenzene	5.562	168	243101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	388513	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	350350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164521	50.354	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.397	113	123696	49.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.653	98	465119	49.700	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.400%			
62) 4-Bromofluorobenzene	11.085	95	164479	45.525	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.040%			
Target Compounds						Qvalue
3) Chloromethane	1.295	50	688	0.316	ug/l	97
5) Bromomethane	1.612	94	1859	Below Cal		89
10) Methyl Iodide	2.459	142	1501	0.521	ug/l #	86
11) Tert butyl alcohol	2.971	59	3394	4.938	ug/l #	73
13) Acrolein	2.227	56	537	1.173	ug/l #	75
15) Acrylonitrile	3.081	53	410	0.307	ug/l #	70
16) Acetone	2.386	43	2473	1.913	ug/l #	84
17) Carbon Disulfide	2.520	76	1834	0.401	ug/l #	86
18) Methyl Acetate	2.715	43	967	0.308	ug/l #	47
19) Methyl tert-butyl Ether	3.123	73	329711	40.681	ug/l	99
20) Methylene Chloride	2.788	84	2559	0.919	ug/l #	82
25) 2-Butanone	4.562	43	560	0.287	ug/l #	45
29) Tetrahydrofuran	5.032	42	1696	1.354	ug/l #	67
36) 1,1-Dichloropropene	5.562	75	19213	5.547	ug/l #	50
38) Carbon Tetrachloride	5.556	117	25831	7.145	ug/l #	16
53) t-1,3-Dichloropropene	8.982	75	275	2.797	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	119	2.198	ug/l #	73
58) 2-Chloroethyl Vinyl ether	8.244	63	189	4.770	ug/l #	89
60) Dibromochloromethane	9.275	129	417	3.241	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	87588	29.858	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	87588	80.191	ug/l #	12
87) 1,3-Dichlorobenzene	11.976	146	978	0.203	ug/l	91
88) 1,4-Dichlorobenzene	11.976	146	978	0.202	ug/l	90
89) n-Butylbenzene	12.335	91	1599	0.201	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	931	0.316	ug/l	99
94) Hexachlorobutadiene	13.725	225	404	0.323	ug/l	93
95) Naphthalene	13.780	128	2296	1.481	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	858	0.289	ug/l	99

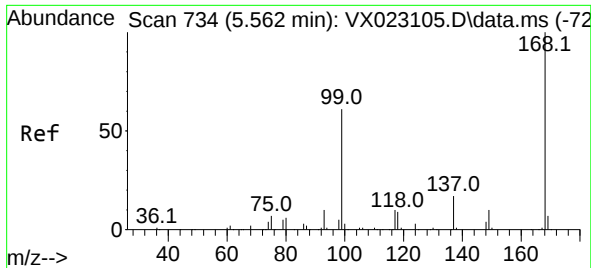
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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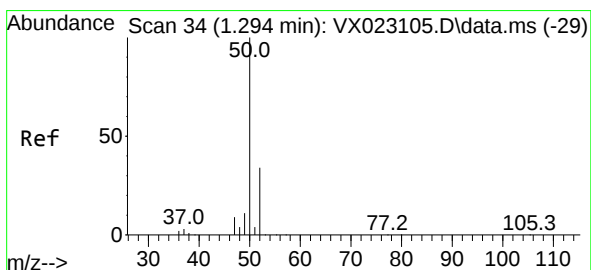
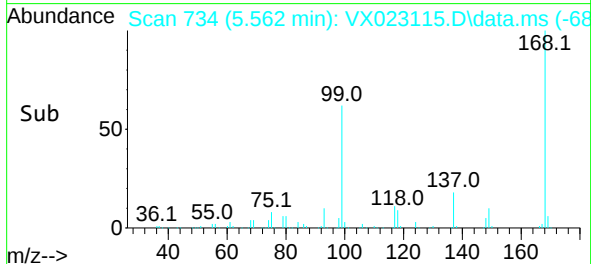
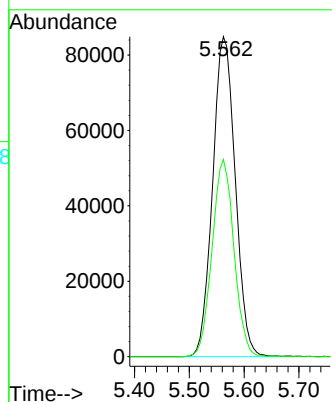
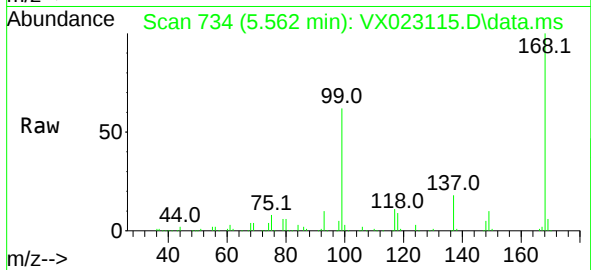




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

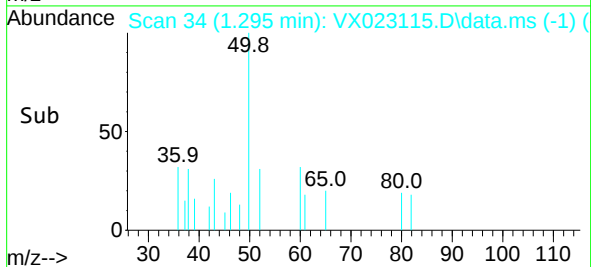
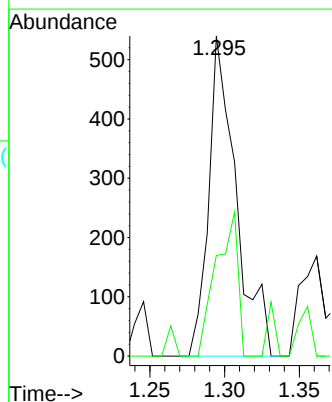
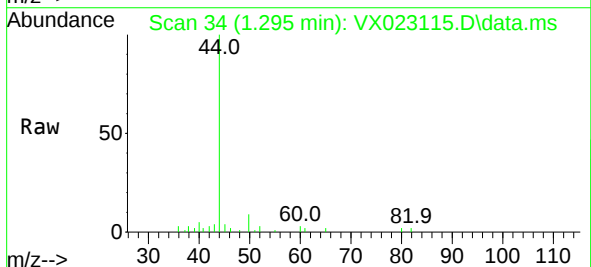
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

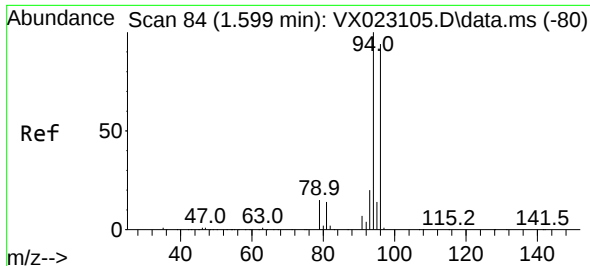
Tgt Ion:168 Resp: 243101
Ion Ratio Lower Upper
168 100
99 61.6 45.8 68.6



#3
Chloromethane
Concen: 0.316 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6

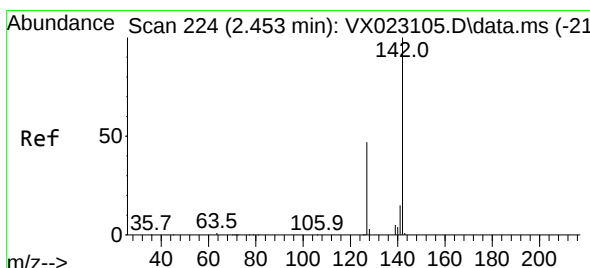
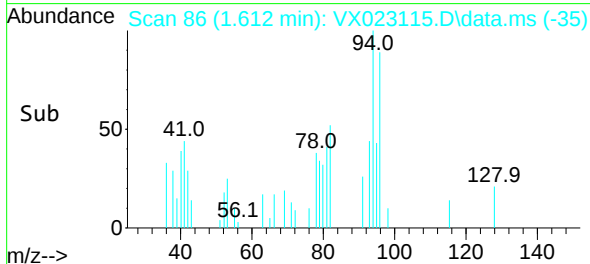
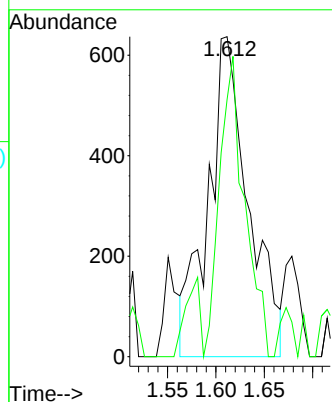
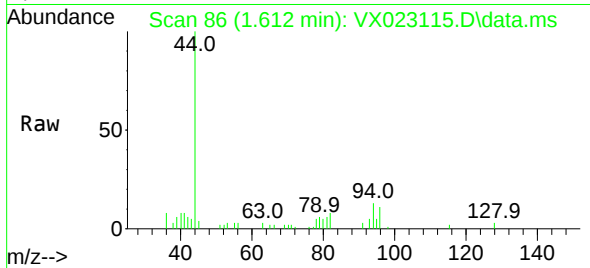




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

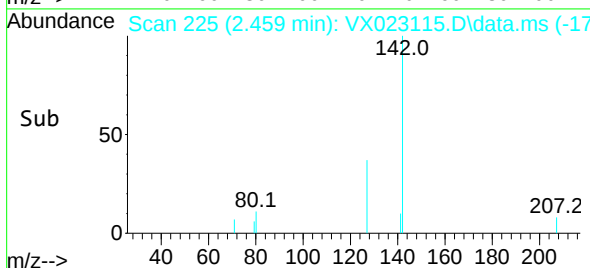
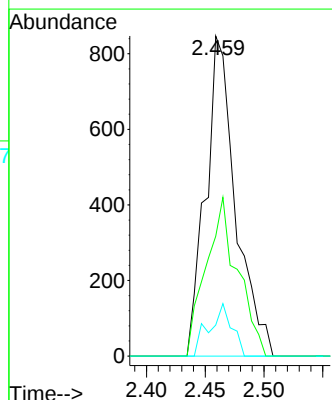
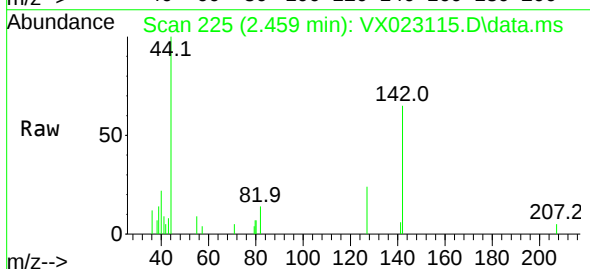
Instrument :
MSVOA_X
ClientSampleID :
MW-4DL

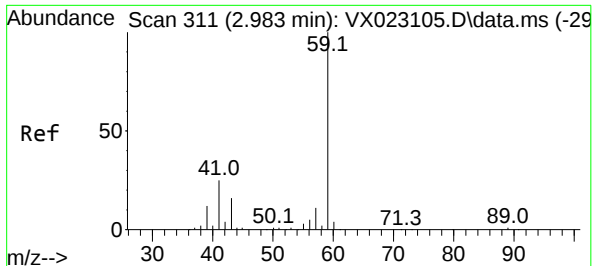
Tgt Ion: 94 Resp: 1859
Ion Ratio Lower Upper
94 100
96 84.9 76.4 114.6



#10
Methyl Iodide
Concen: 0.521 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 142 Resp: 1501
Ion Ratio Lower Upper
142 100
127 52.4 33.3 49.9#
141 12.5 11.4 17.0



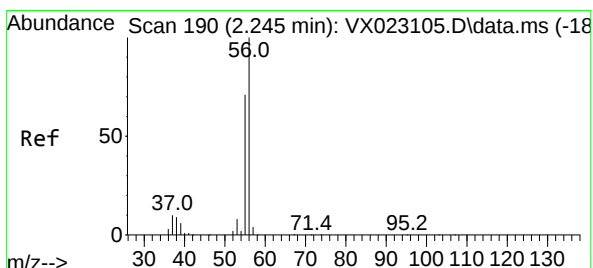
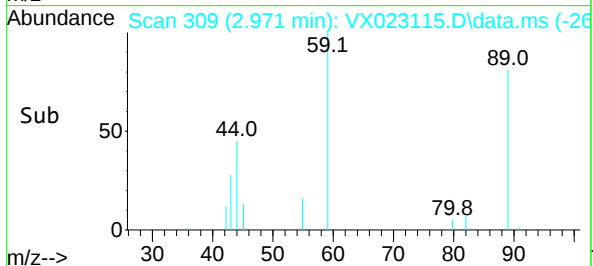
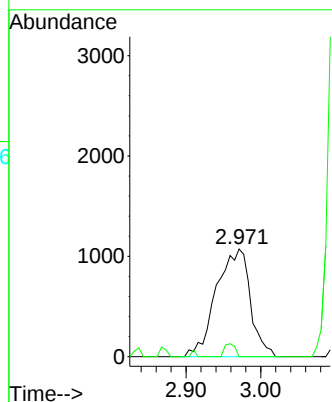
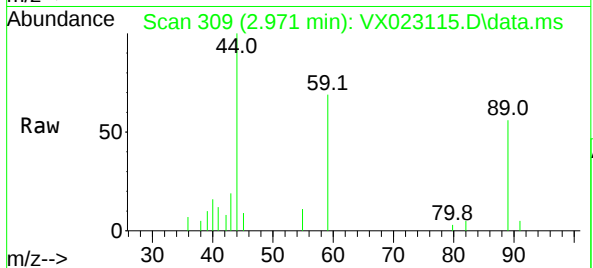


#11

Tert butyl alcohol
Concen: 4.938 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

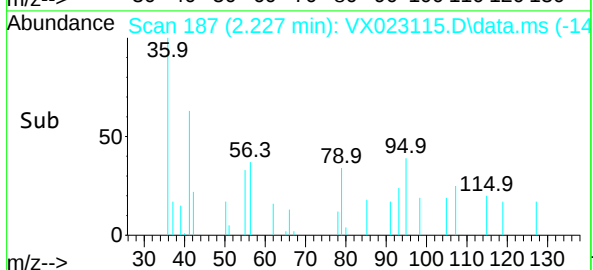
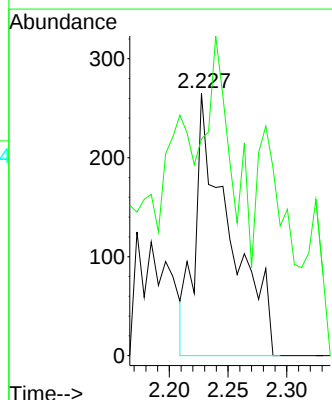
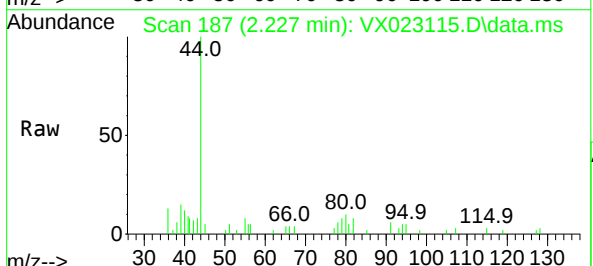
Tgt Ion: 59 Resp: 3394
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

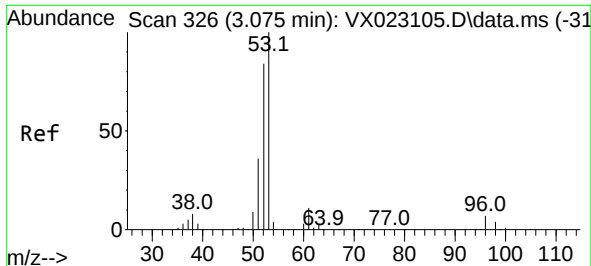


#13

Acrolein
Concen: 1.173 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.018 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 56 Resp: 537
Ion Ratio Lower Upper
56 100
55 49.5 56.4 84.6#

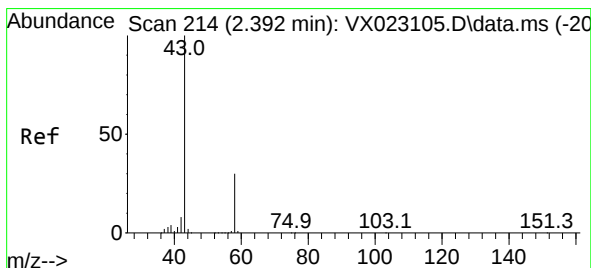
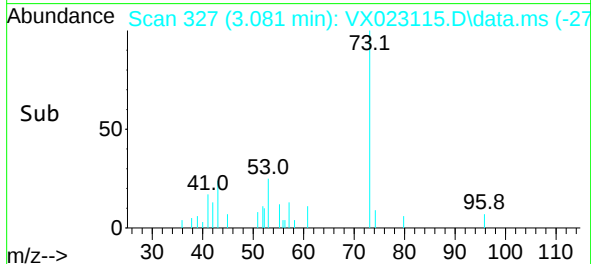
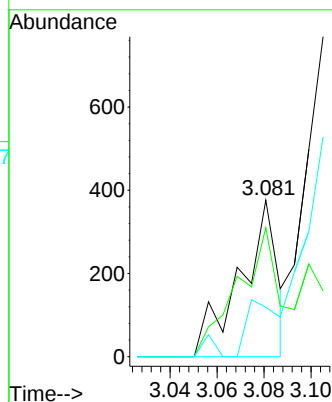
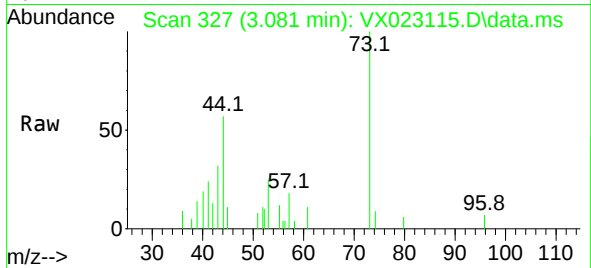




#15
Acrylonitrile
Concen: 0.307 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

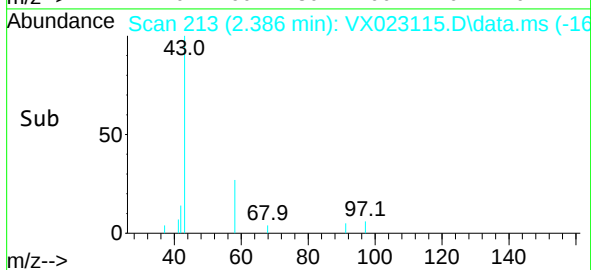
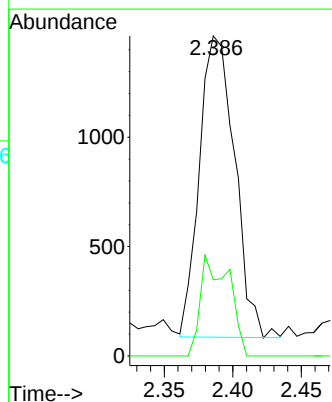
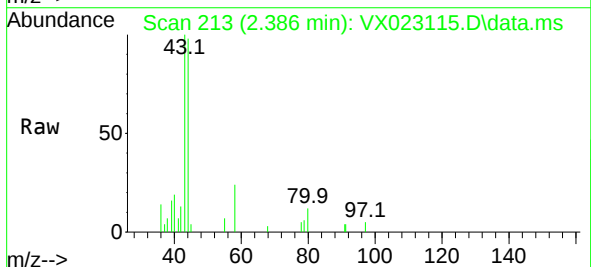
Instrument :
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ClientSampleId :
MW-4DL

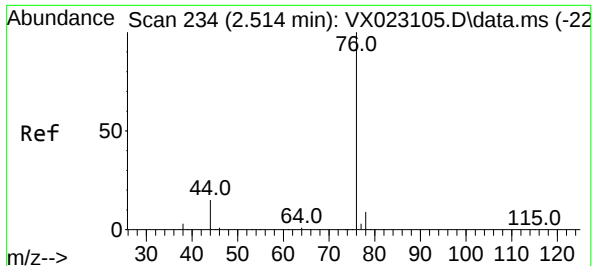
Tgt Ion: 53 Resp: 410
Ion Ratio Lower Upper
53 100
52 96.1 65.3 97.9
51 0.0 28.2 42.2#



#16
Acetone
Concen: 1.913 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
58 25.3 27.8 41.8#

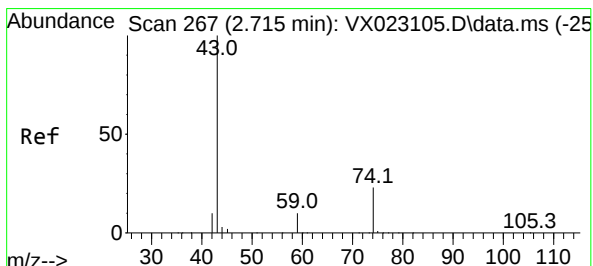
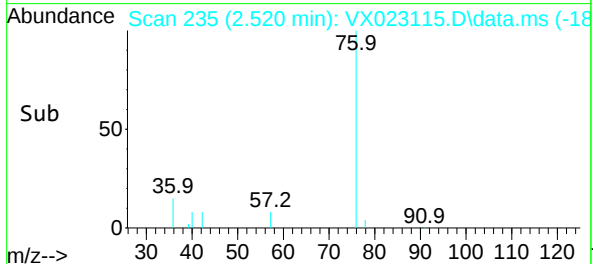
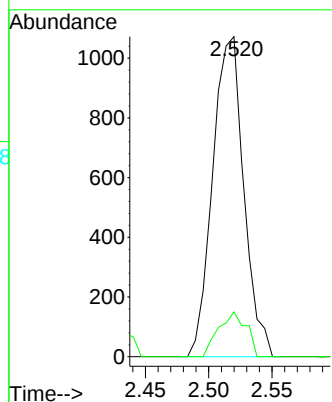
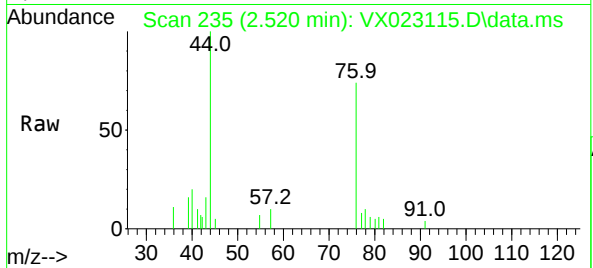




#17
Carbon Disulfide
Concen: 0.401 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

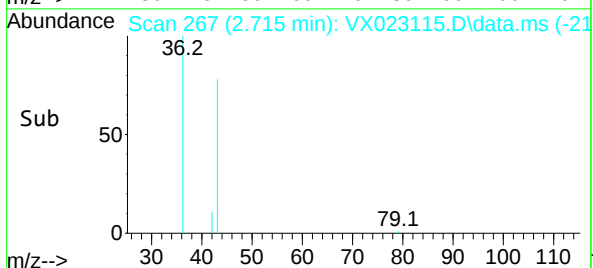
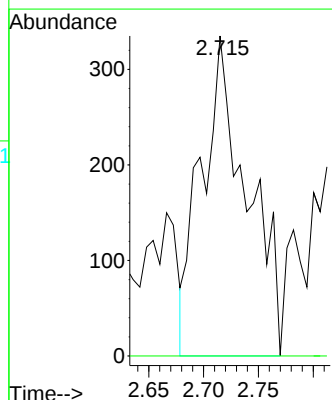
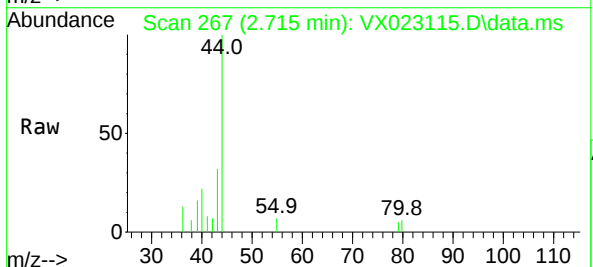
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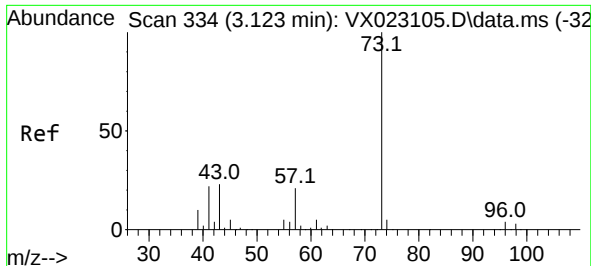
Tgt Ion: 76 Resp: 1834
Ion Ratio Lower Upper
76 100
78 14.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.308 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

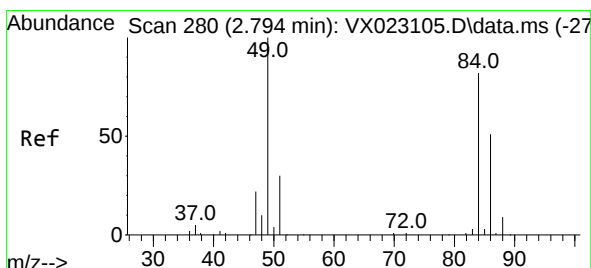
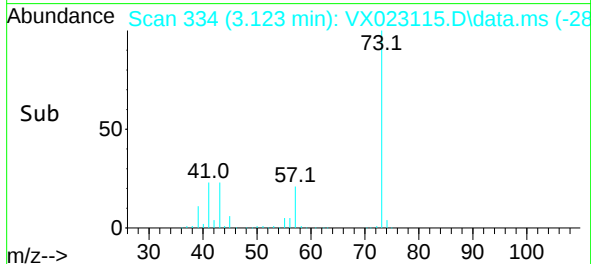
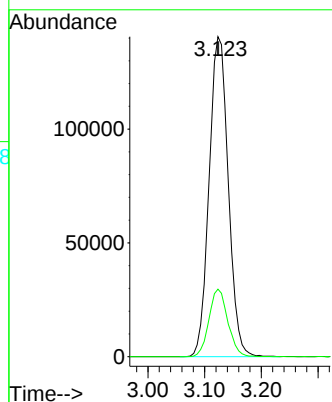
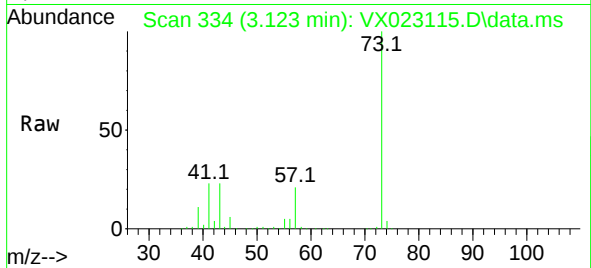




#19
Methyl tert-butyl Ether
Concen: 40.681 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

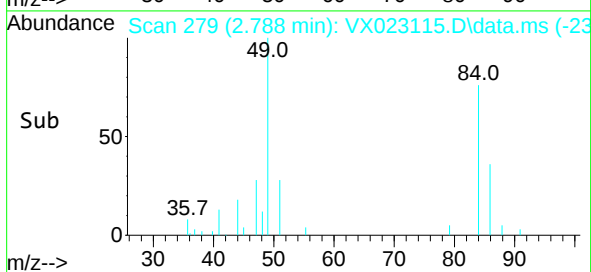
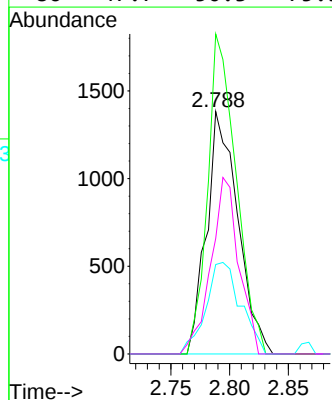
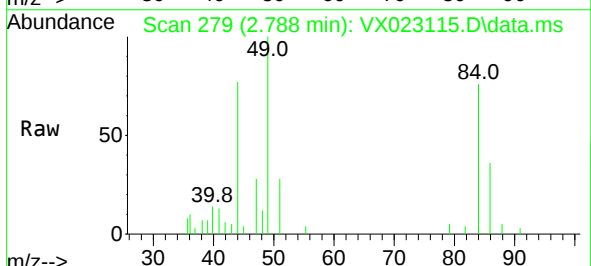
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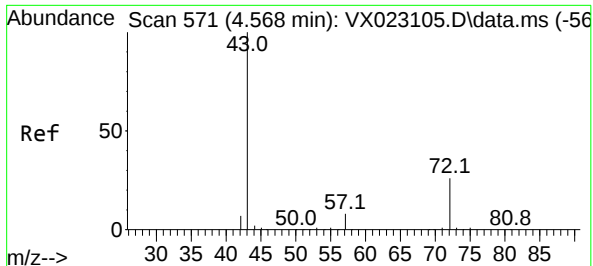
Tgt Ion: 73 Resp: 329711
Ion Ratio Lower Upper
73 100
57 21.1 17.1 25.7



#20
Methylene Chloride
Concen: 0.919 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 84 Resp: 2559
Ion Ratio Lower Upper
84 100
49 132.1 88.6 132.8
51 36.9 27.0 40.6
86 47.7 50.3 75.5#





#25

2-Butanone

Concen: 0.287 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX023115.D

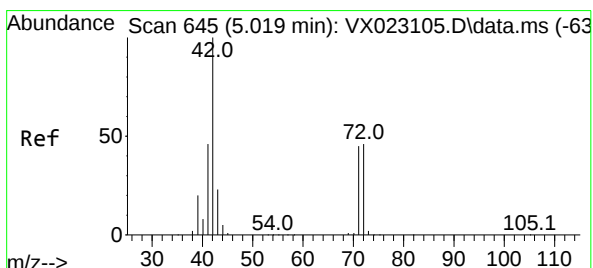
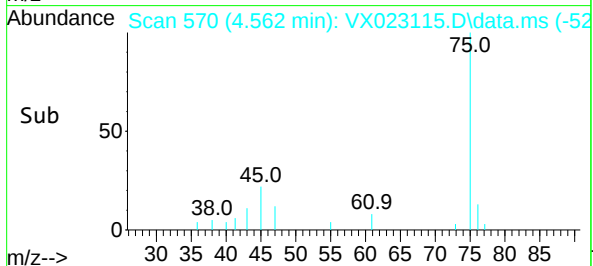
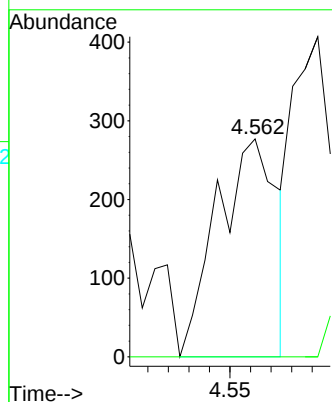
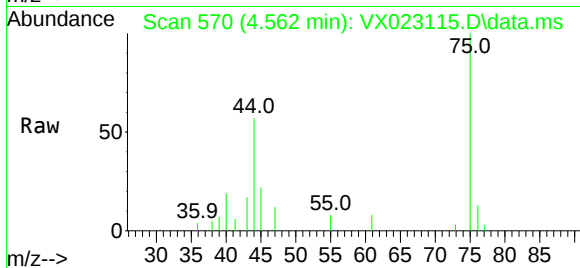
Acq: 02 Jul 2021 18:18

Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.354 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX023115.D

Acq: 02 Jul 2021 18:18

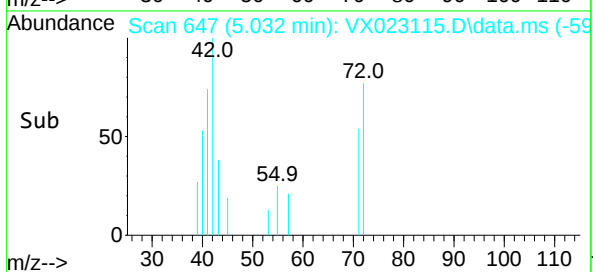
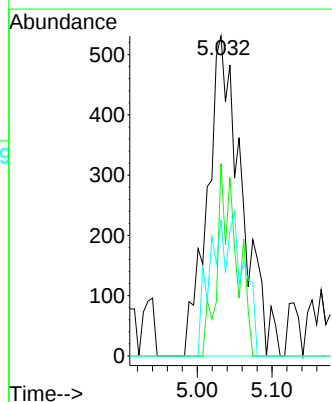
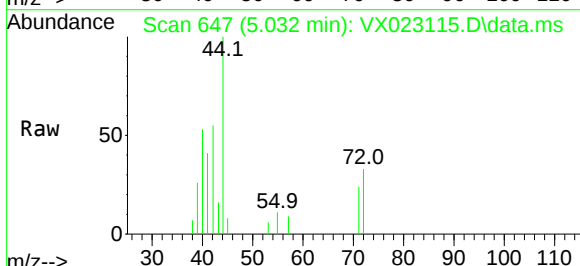
Tgt Ion: 42 Resp: 1696

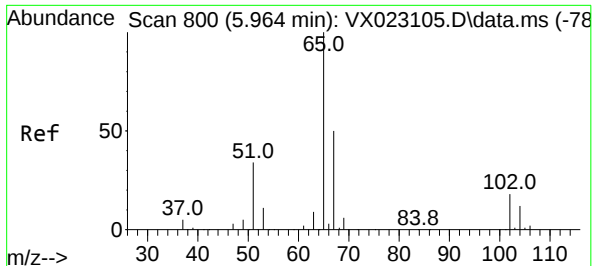
Ion Ratio Lower Upper

42 100

72 34.2 41.7 62.5#

71 20.6 38.4 57.6#



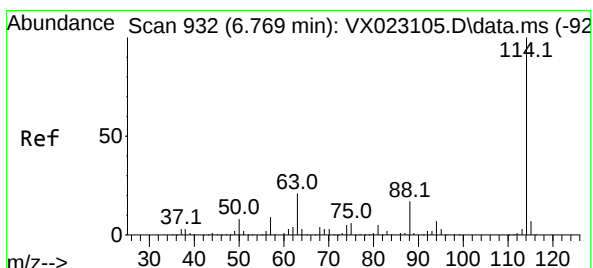
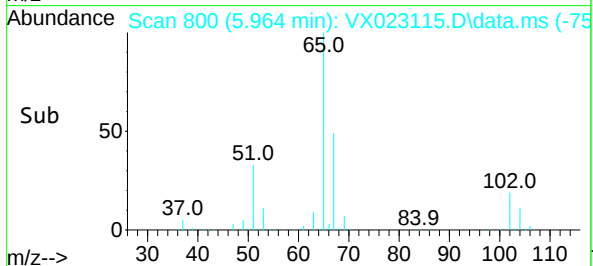
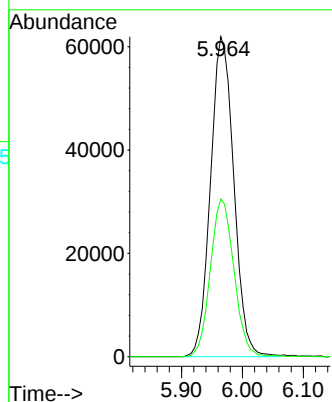
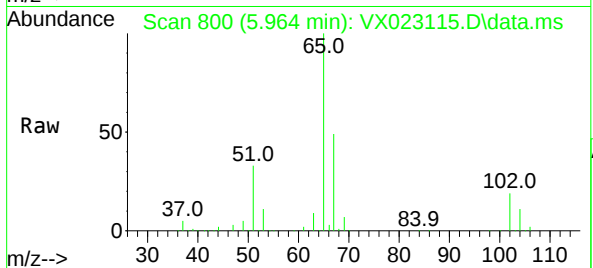


#33

1,2-Dichloroethane-d4
Concen: 50.354 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

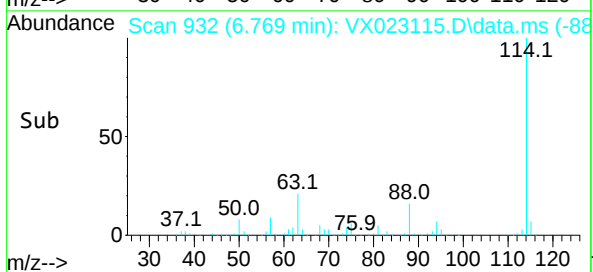
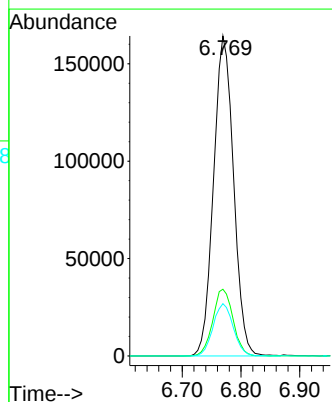
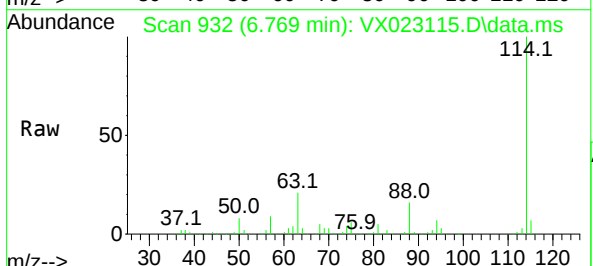
Tgt Ion: 65 Resp: 164521
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

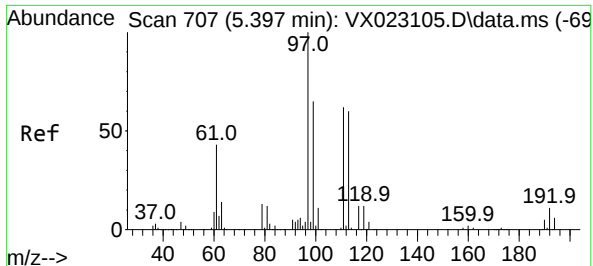


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 114 Resp: 388513
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.3 0.0 32.8

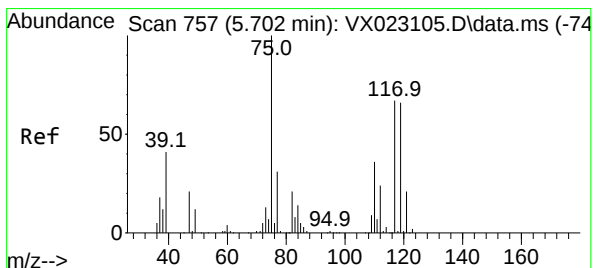
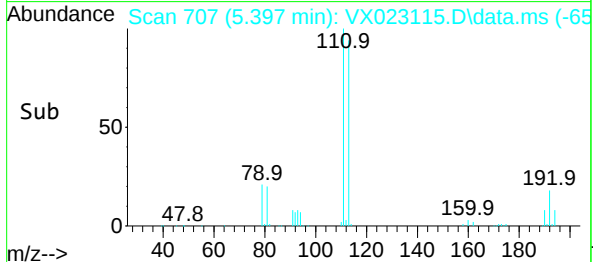
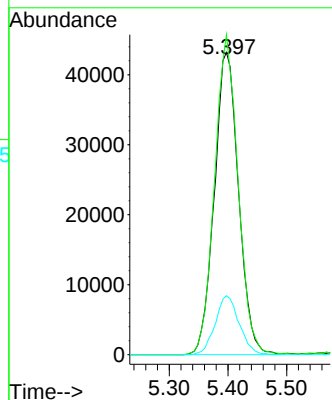
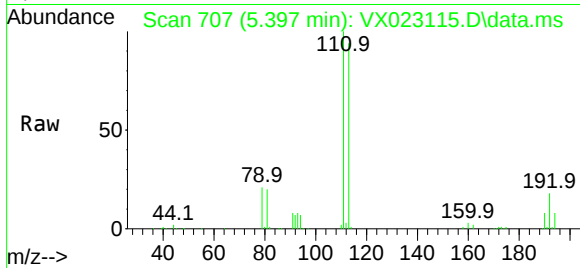




#35
Dibromofluoromethane
Concen: 49.304 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

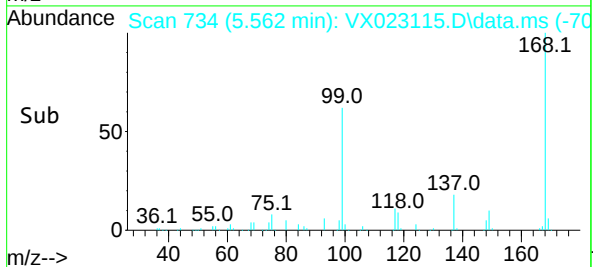
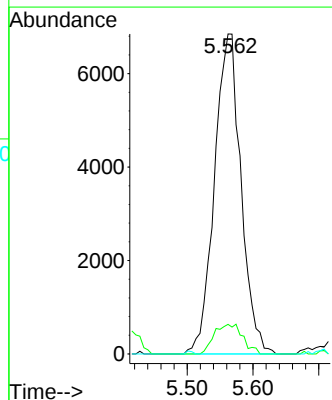
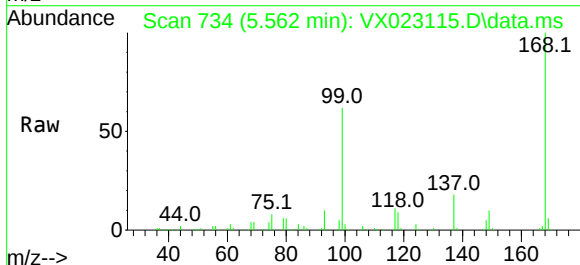
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

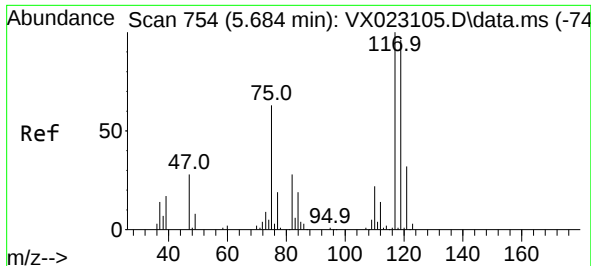
Tgt Ion:	113	Resp:	123696
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	19.2	16.7	25.1



#36
1,1-Dichloropropene
Concen: 5.547 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

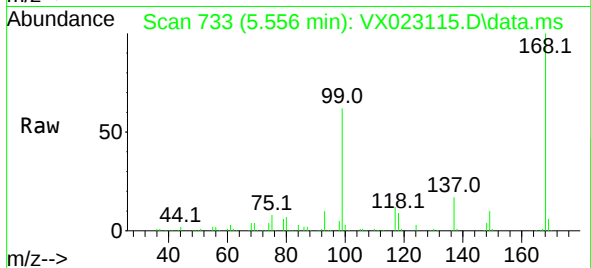
Tgt Ion:	75	Resp:	19213
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.4#
77	0.0	25.3	37.9#



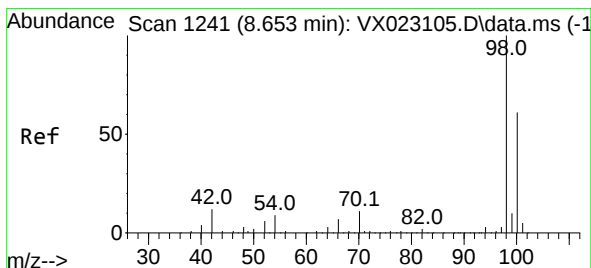
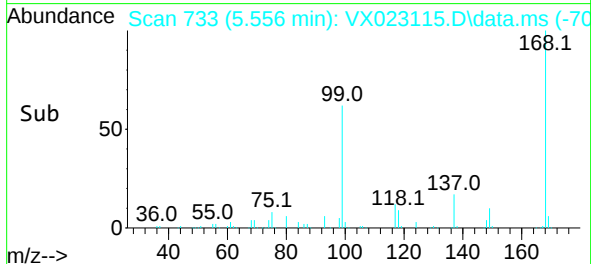
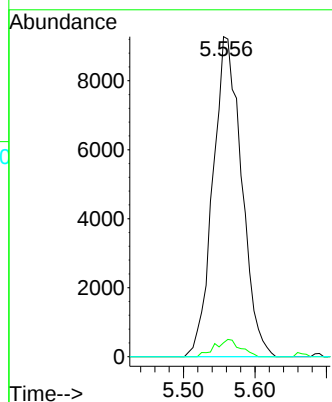


#38
Carbon Tetrachloride
Concen: 7.145 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

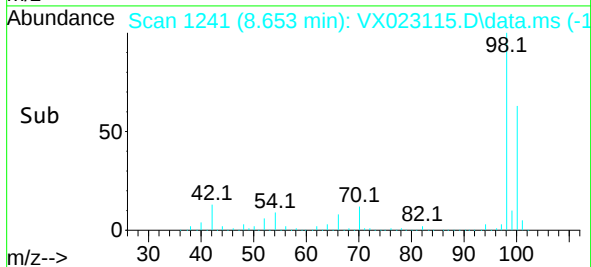
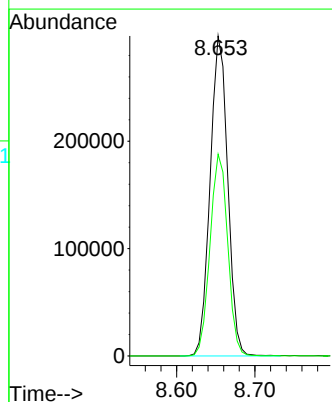
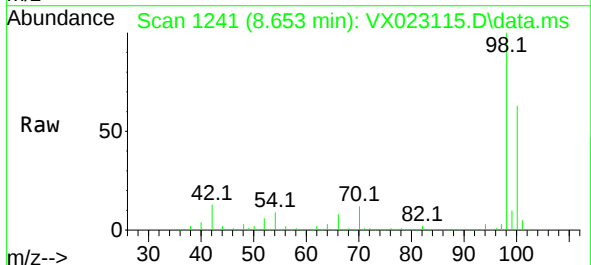


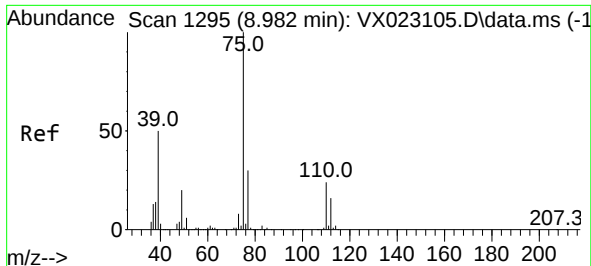
Tgt Ion:117 Resp: 25831
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.700 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 98 Resp: 465119
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

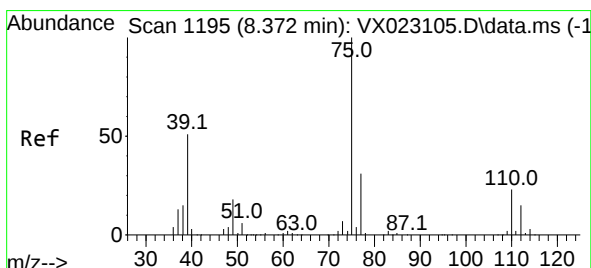
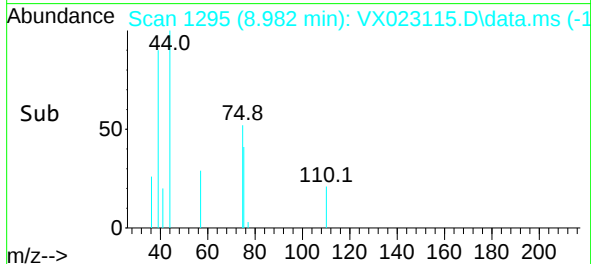
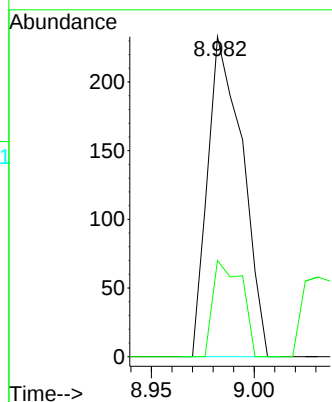
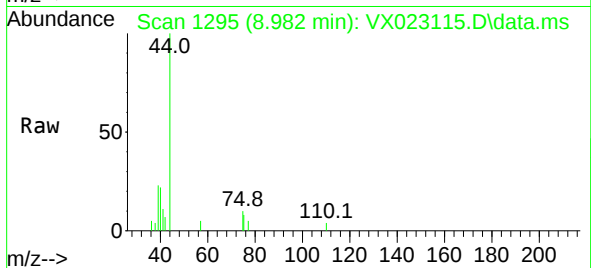




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

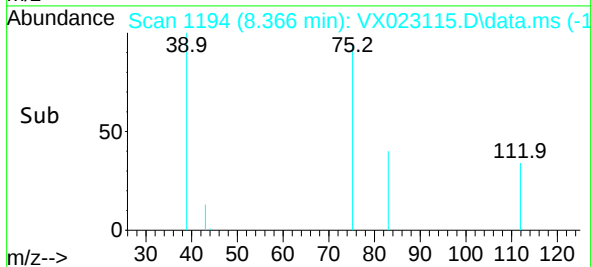
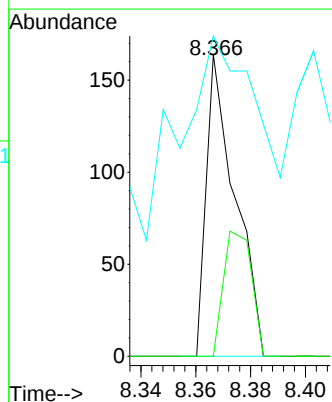
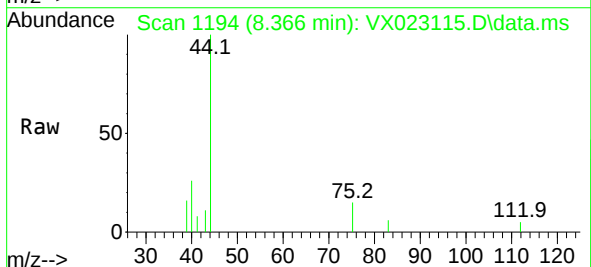
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

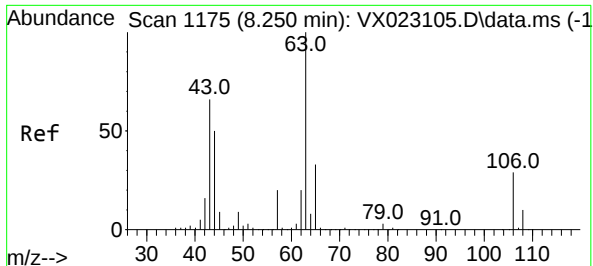
Tgt Ion: 75 Resp: 275
Ion Ratio Lower Upper
75 100
77 30.0 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 2.198 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 75 Resp: 119
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 47.0 35.1 52.7

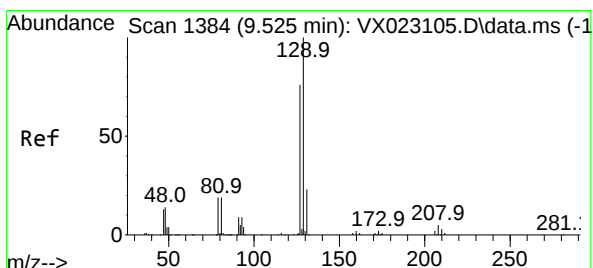
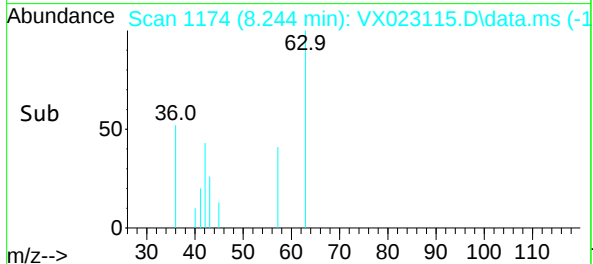
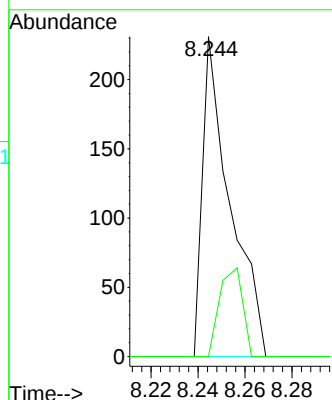
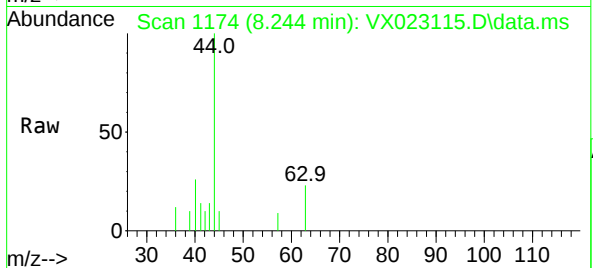




#58
2-Chloroethyl Vinyl ether
Concen: 4.770 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

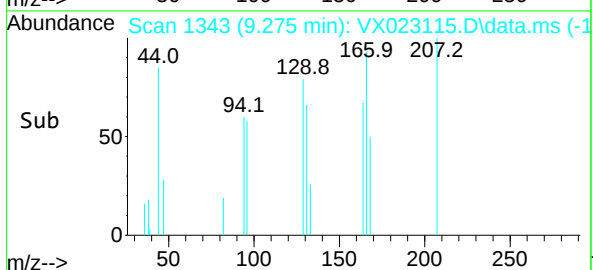
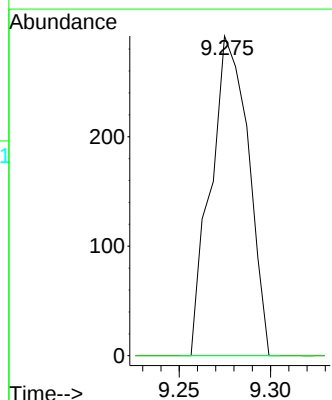
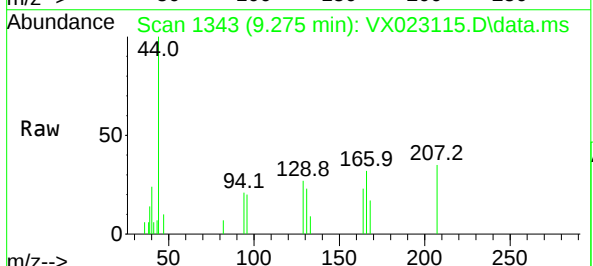
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

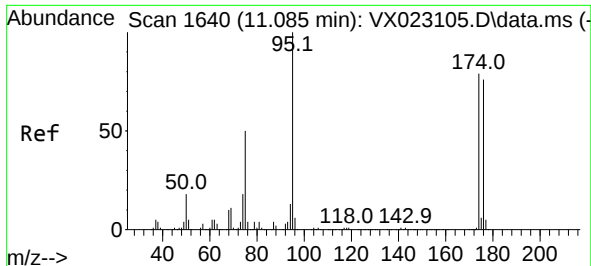
Tgt Ion: 63 Resp: 189
Ion Ratio Lower Upper
63 100
106 23.3 23.5 35.3#



#60
Dibromochloromethane
Concen: 3.241 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 129 Resp: 417
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

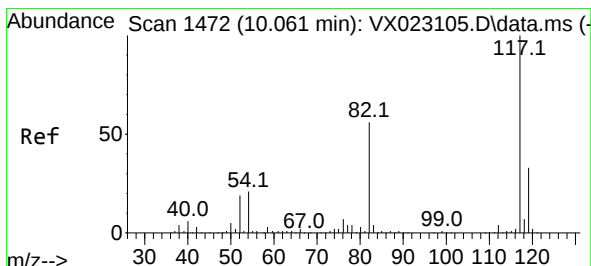
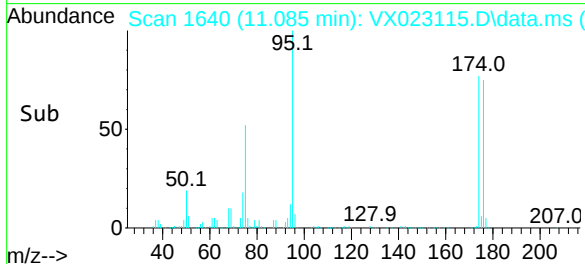
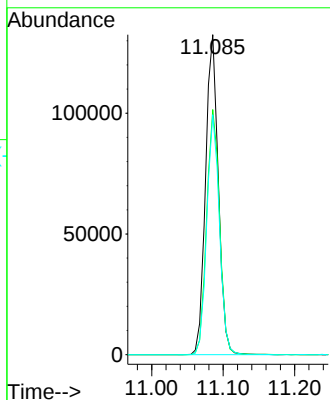
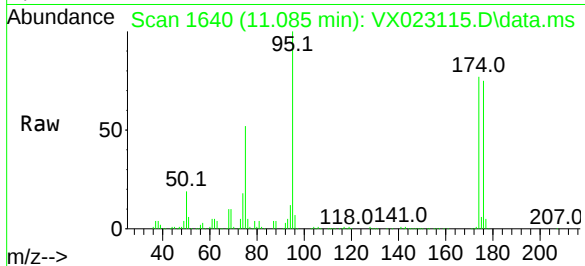




#62
4-Bromofluorobenzene
Concen: 45.525 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

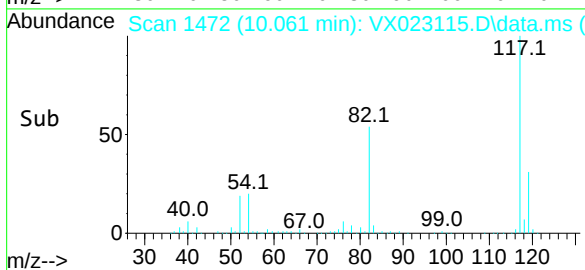
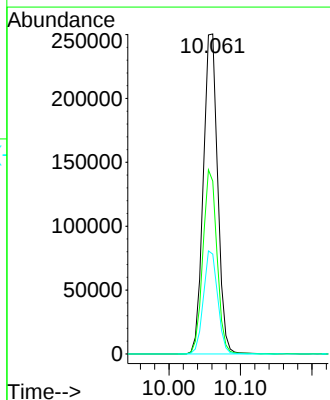
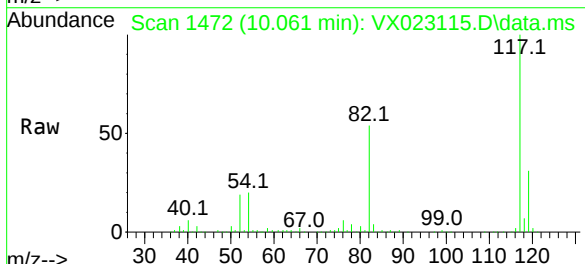
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

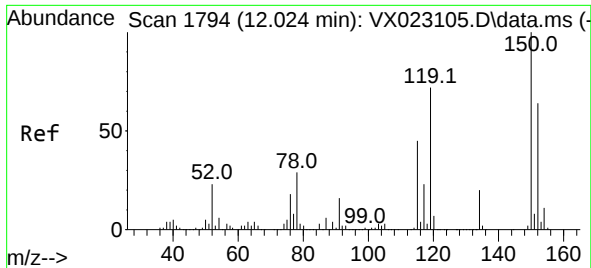
Tgt Ion: 95 Resp: 164479
Ion Ratio Lower Upper
95 100
174 77.8 0.0 154.6
176 74.1 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 117 Resp: 350350
Ion Ratio Lower Upper
117 100
82 54.0 47.4 71.2
119 31.2 26.6 39.8

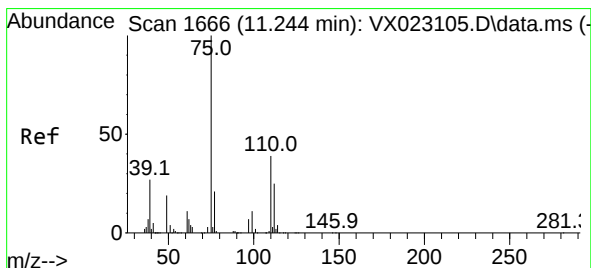
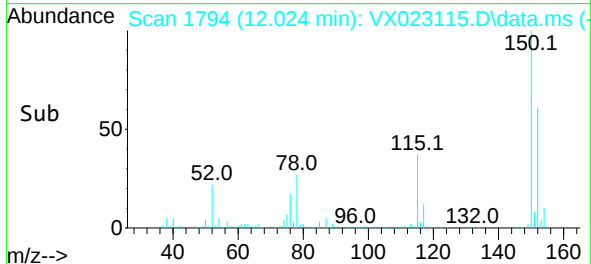
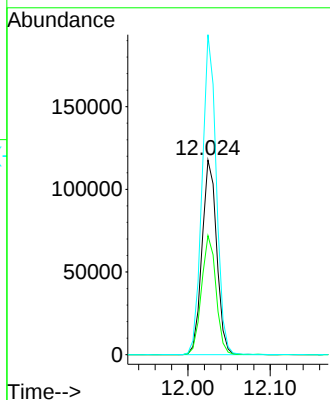
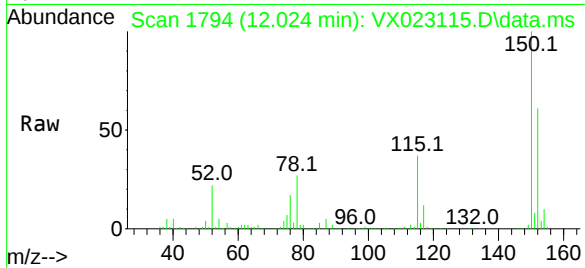




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

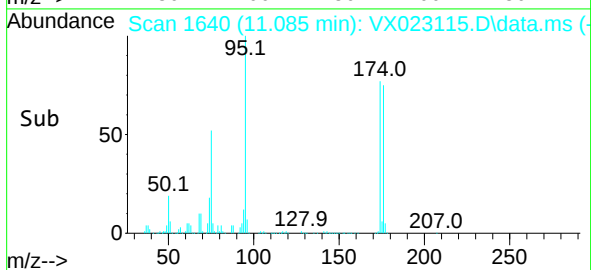
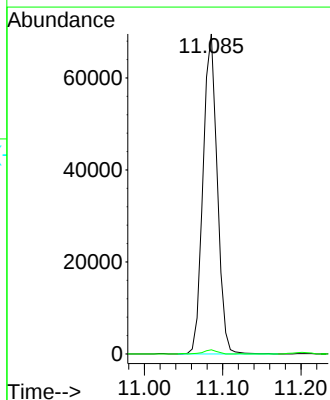
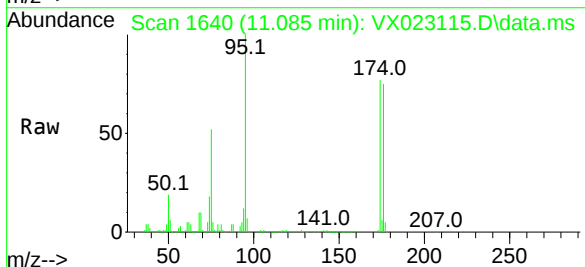
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

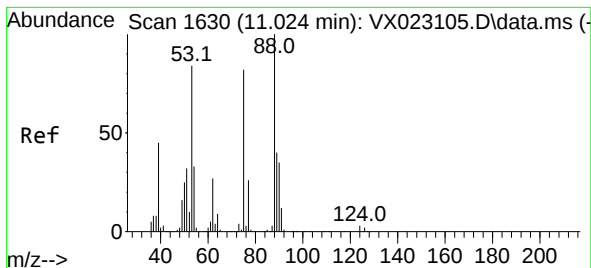
Tgt Ion:152 Resp: 145776
Ion Ratio Lower Upper
152 100
115 60.6 41.1 123.3
150 159.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.858 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 75 Resp: 87588
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

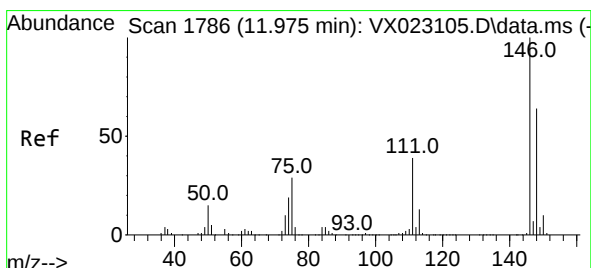
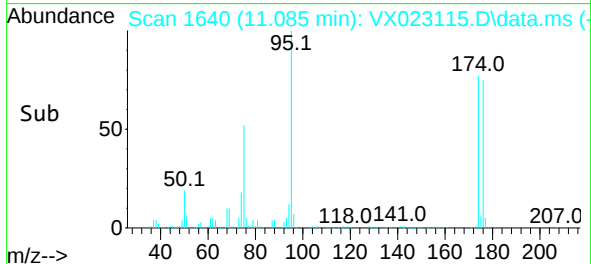
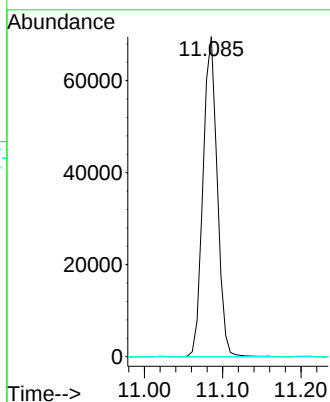
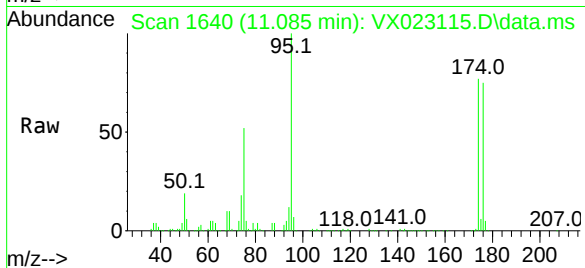




#81
trans-1,4-Dichloro-2-butene
Concen: 80.191 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

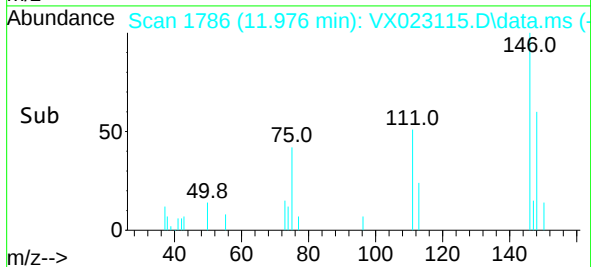
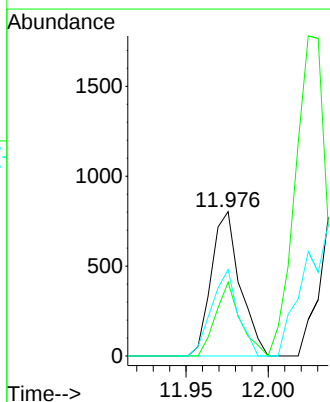
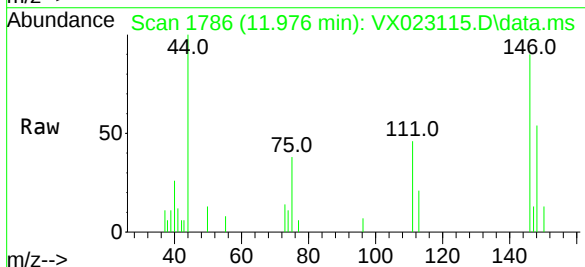
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

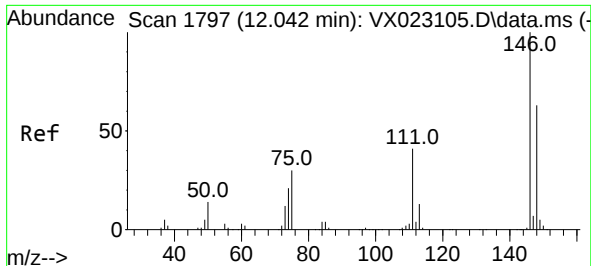
Tgt Ion: 75 Resp: 87588
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.203 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.001 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 146 Resp: 978
Ion Ratio Lower Upper
146 100
111 44.0 20.2 60.5
148 54.8 31.9 95.7

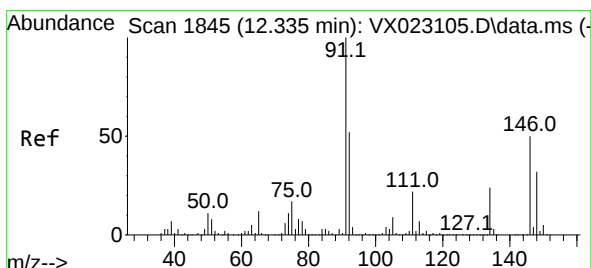
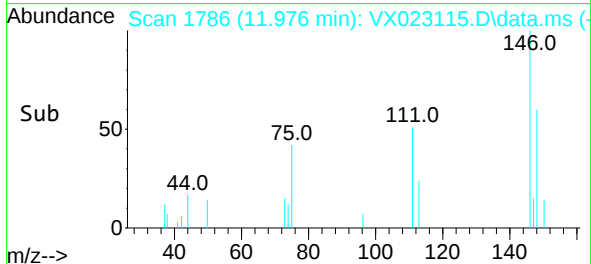
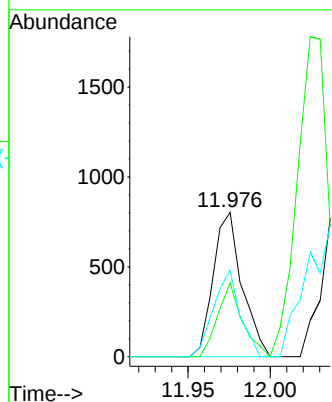
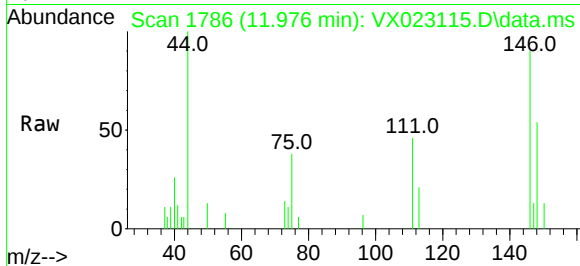




#88
1,4-Dichlorobenzene
Concen: 0.202 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.066 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

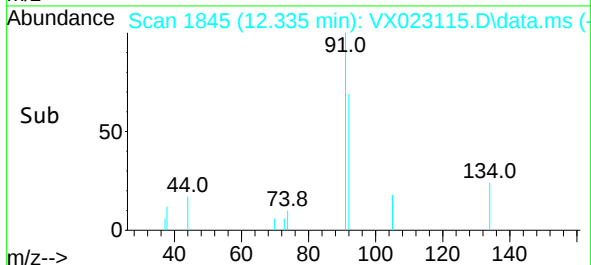
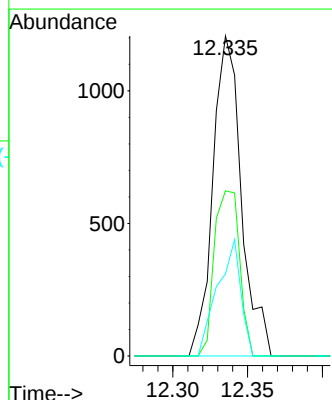
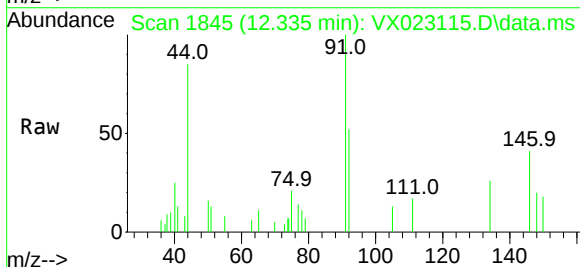
Instrument :
MSVOA_X
ClientSampled :
MW-4DL

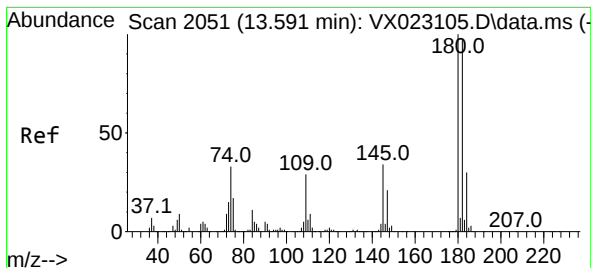
Tgt Ion:146 Resp: 978
Ion Ratio Lower Upper
146 100
111 44.0 19.6 58.8
148 54.8 31.6 95.0



#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion: 91 Resp: 1599
Ion Ratio Lower Upper
91 100
92 45.7 27.4 82.0
134 29.7 13.2 39.5

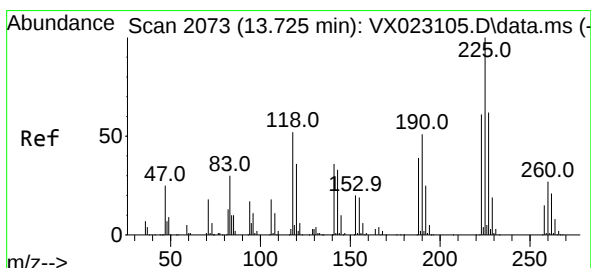
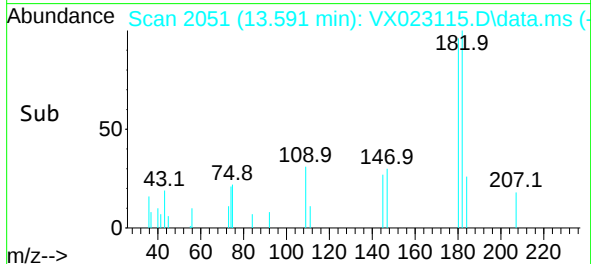
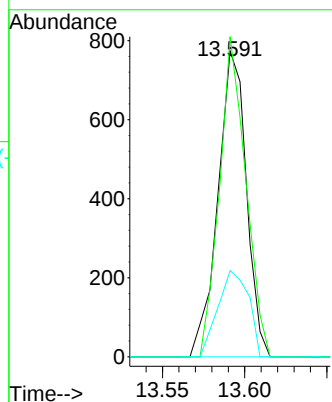
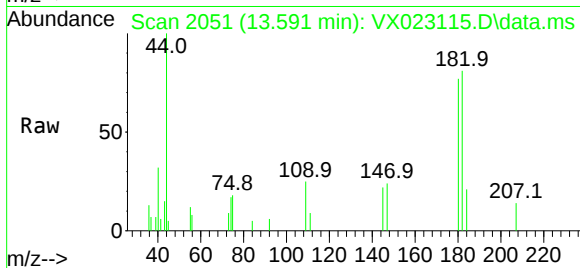




#93
1,2,4-Trichlorobenzene
Concen: 0.316 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

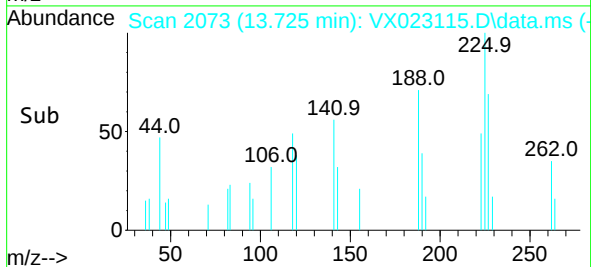
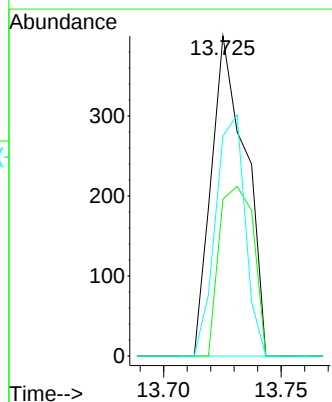
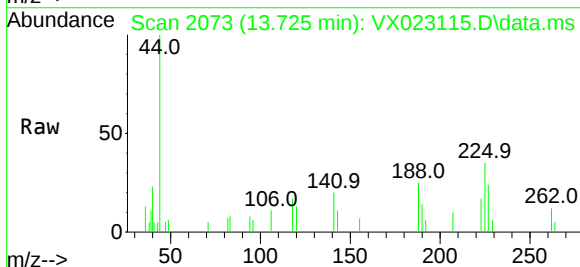
Instrument :
MSVOA_X
ClientSampleId :
MW-4DL

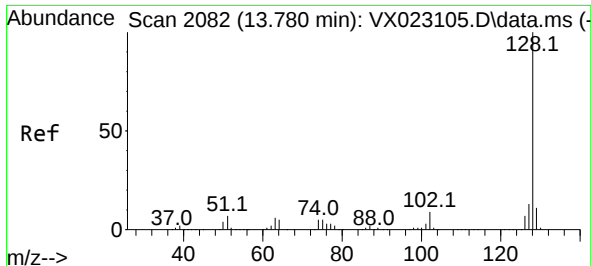
Tgt Ion:180	Resp:	931
Ion Ratio	Lower	Upper
180	100	
182	96.8	47.7 143.1
145	30.3	15.0 45.0



#94
Hexachlorobutadiene
Concen: 0.323 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion:225	Resp:	404
Ion Ratio	Lower	Upper
225	100	
223	53.5	31.1 93.2
227	65.3	31.6 95.0

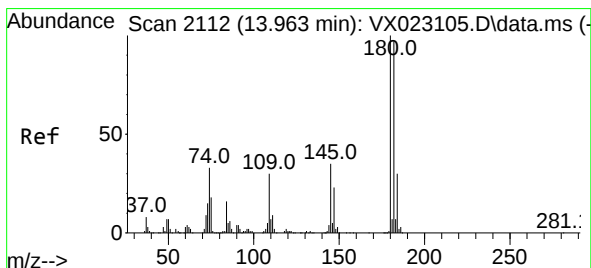
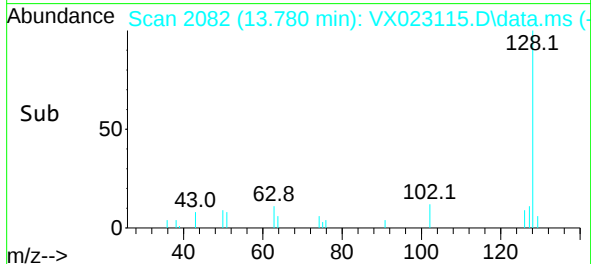
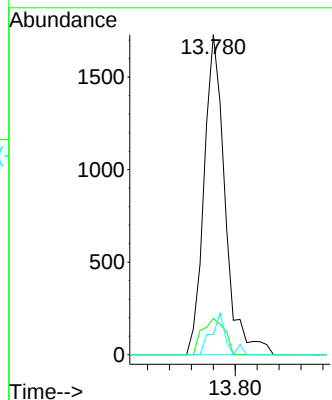
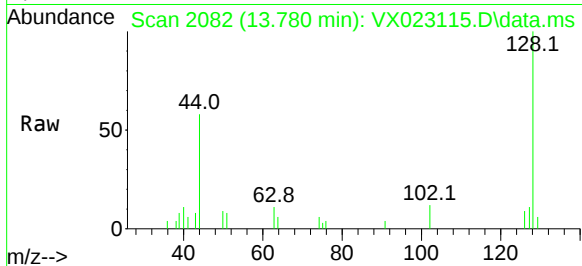




#95
Naphthalene
Concen: 1.481 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Instrument :
MSVOA_X
ClientSampled :
MW-4DL

Tgt Ion:128 Resp: 2296
Ion Ratio Lower Upper
128 100
127 12.2 10.3 15.5
129 9.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.289 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX023115.D
Acq: 02 Jul 2021 18:18

Tgt Ion:180 Resp: 858
Ion Ratio Lower Upper
180 100
182 96.7 47.6 142.9
145 32.9 16.1 48.3

