

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
 Data File : VN065935.D
 Acq On : 18 Feb 2021 12:54
 Operator : JC/MD
 Sample : M1448-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 19 00:15:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 15:48:13 2021
 Response via : Initial Calibration

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

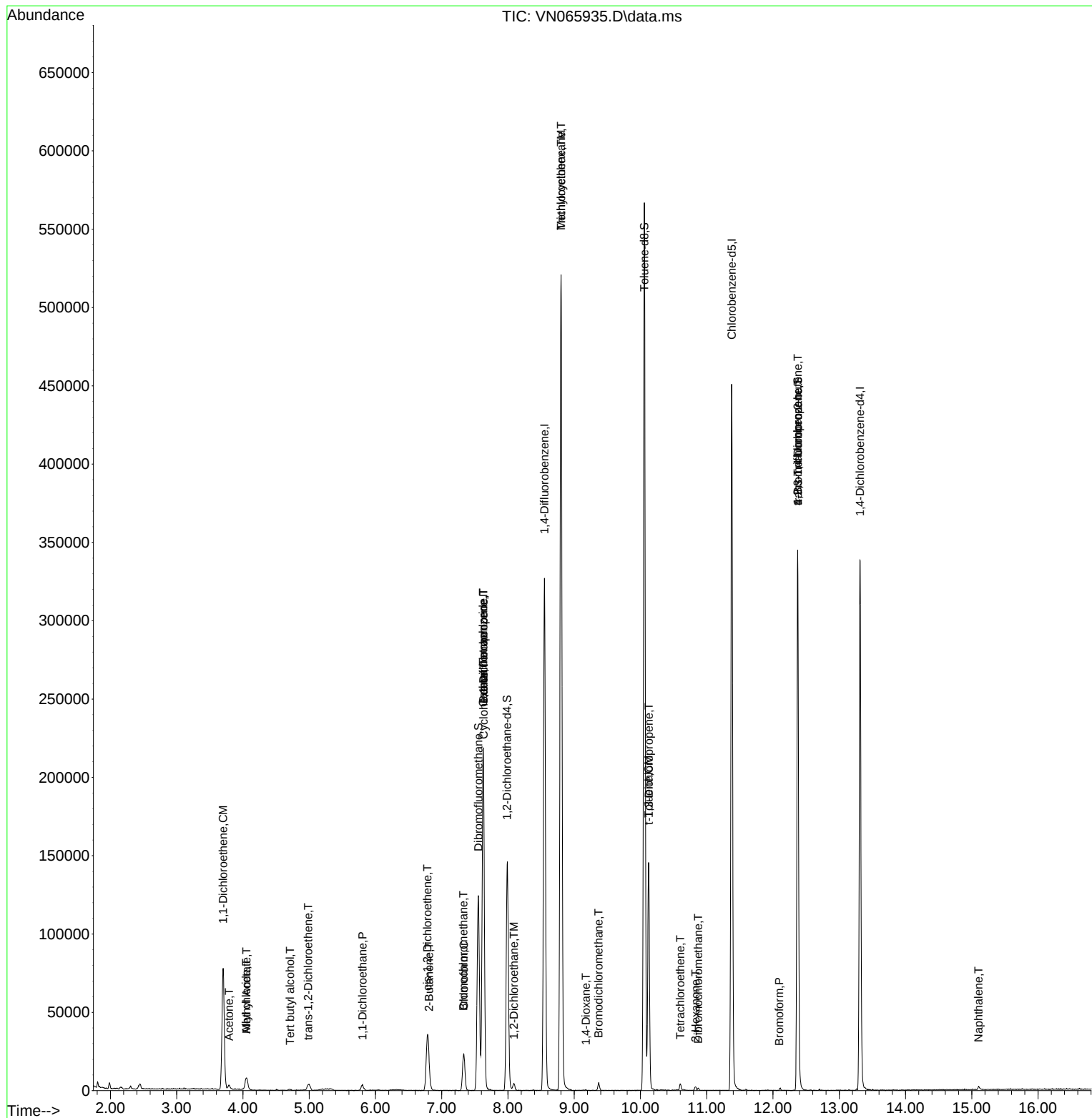
Internal Standards						
1) Pentafluorobenzene	7.627	168	175436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	300294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	270470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	97803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	127901	52.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.26%			
35) Dibromofluoromethane	7.553	113	99212	53.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.76%			
50) Toluene-d8	10.058	98	402172	52.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.44%			
62) 4-Bromofluorobenzene	12.373	95	135401	47.28	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.56%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.711	59	401	1.18	ug/l #	73
12) 1,1-Dichloroethene	3.701	96	40567	20.59	ug/l	97
14) Allyl chloride	4.049	41	1313	0.39	ug/l #	60
16) Acetone	3.791	43	4282	3.98	ug/l	92
18) Methyl Acetate	4.055	43	3828	1.89	ug/l #	51
21) trans-1,2-Dichloroethene	4.984	96	2803	1.35	ug/l #	78
24) 1,1-Dichloroethane	5.804	63	6186	1.59	ug/l #	92
25) 2-Butanone	6.807	43	273	0.22	ug/l #	46
27) cis-1,2-Dichloroethene	6.785	96	24006	10.18	ug/l	96
28) Bromochloromethane	7.328	49	1745	0.97	ug/l #	9
30) Chloroform	7.335	83	26862	6.99	ug/l	94
31) Cyclohexane	7.634	56	3226	0.88	ug/l #	6
36) 1,1-Dichloropropene	7.627	75	13543	4.57	ug/l #	48
38) Carbon Tetrachloride	7.624	117	17656	6.42	ug/l #	17
39) Methylcyclohexane	8.801	83	2430	0.73	ug/l #	1
42) 1,2-Dichloroethane	8.090	62	3980	1.33	ug/l	90
44) Trichloroethene	8.801	130	199364	88.73	ug/l	98
47) Bromodichloromethane	9.367	83	3900	1.35	ug/l #	88
49) 1,4-Dioxane	9.177	88	171	4.65	ug/l #	34
52) Toluene	10.122	92	65693	11.77	ug/l	96
53) t-1,3-Dichloropropene	10.126	75	560	2.13	ug/l #	1
59) 2-Hexanone	10.833	43	550	0.30	ug/l #	23
60) Dibromochloromethane	10.872	129	881	0.41	ug/l	84
64) Tetrachloroethene	10.601	164	904	0.43	ug/l	93
71) Bromoform	12.093	173	63	2.54	ug/l #	29
76) 1,2,3-Trichloropropane	12.373	75	64439	27.43	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	64439	87.41	ug/l #	12
95) Naphthalene	15.103	128	3162	3.58	ug/l #	82

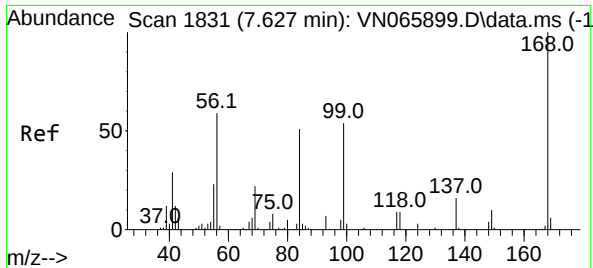
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021821\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 17 15:48:13 2021
Response via : Initial Calibration

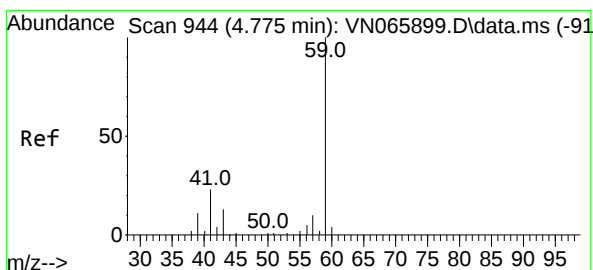
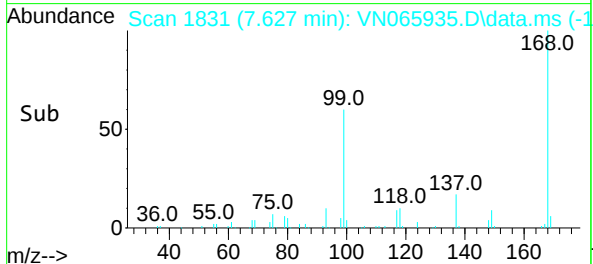
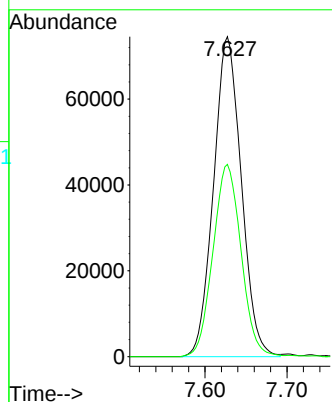
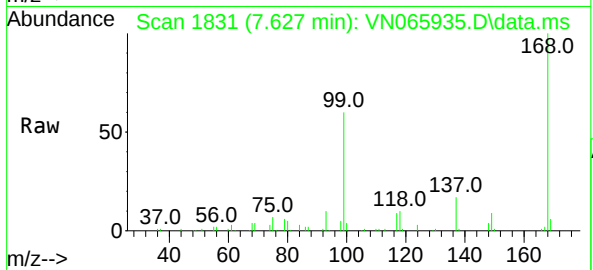




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

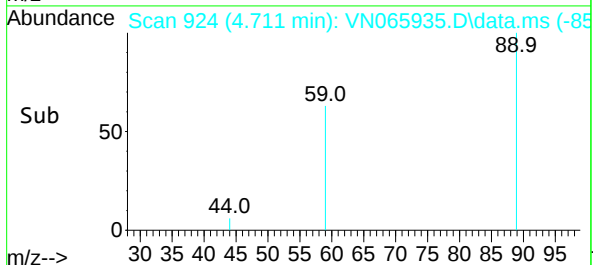
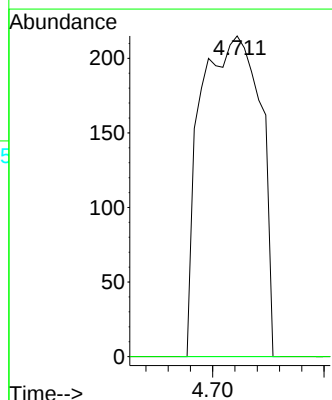
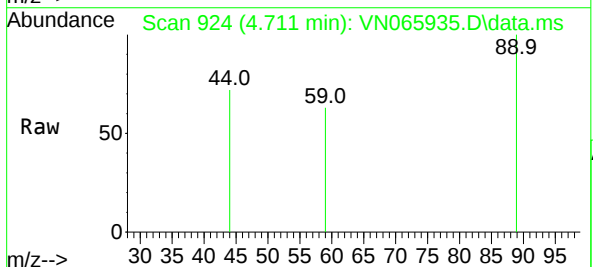
Instrument :
MSVOA_N
ClientSampleId :

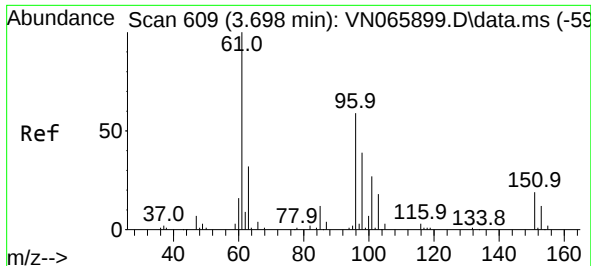
Tgt Ion:168 Resp: 175436
Ion Ratio Lower Upper
168 100
99 60.1 42.6 63.8



#11
Tert butyl alcohol
Concen: 1.18 ug/l
RT: 4.711 min Scan# 924
Delta R.T. -0.064 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 59 Resp: 401
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

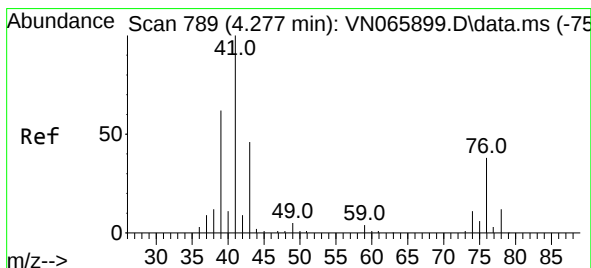
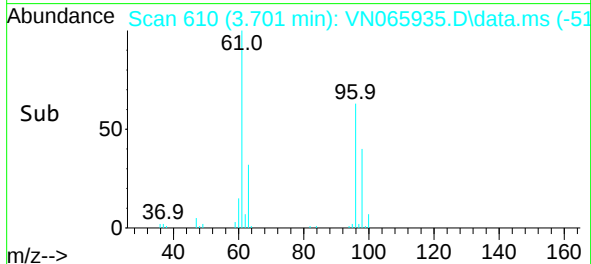
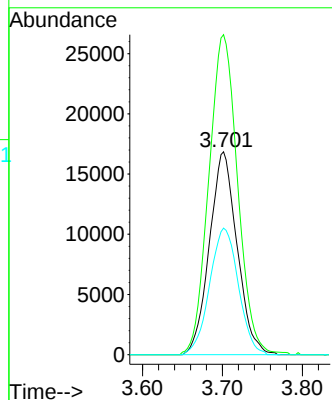
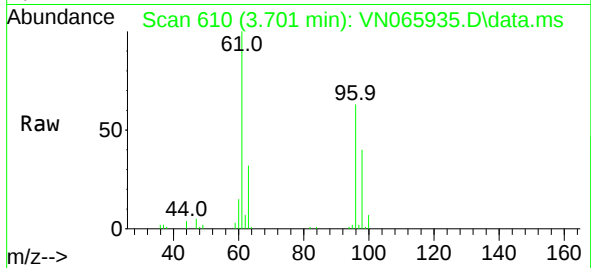




#12
1,1-Dichloroethene
Concen: 20.59 ug/l
RT: 3.701 min Scan# 610
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

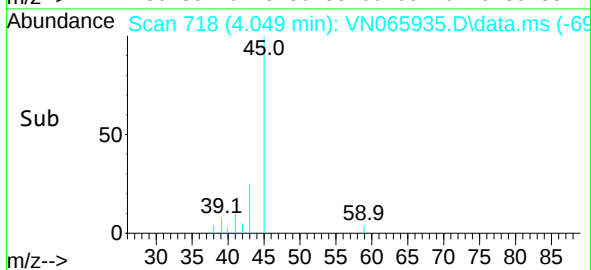
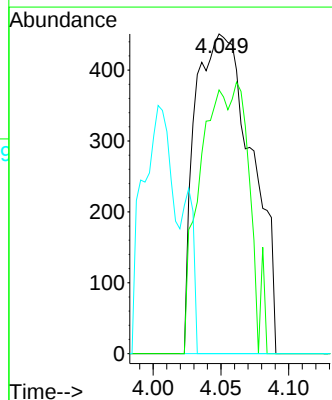
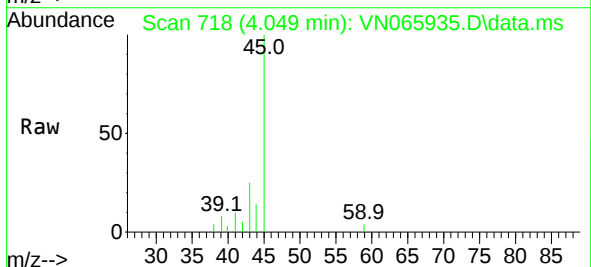
Instrument :
MSVOA_N
ClientSampled :

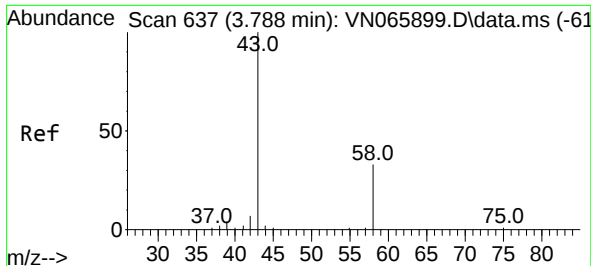
Tgt Ion: 96 Resp: 40567
Ion Ratio Lower Upper
96 100
61 157.7 122.5 183.7
98 62.4 50.8 76.2



#14
Allyl chloride
Concen: 0.39 ug/l
RT: 4.049 min Scan# 718
Delta R.T. -0.228 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 41 Resp: 1313
Ion Ratio Lower Upper
41 100
39 43.3 53.0 79.4#
76 0.0 28.9 43.3#

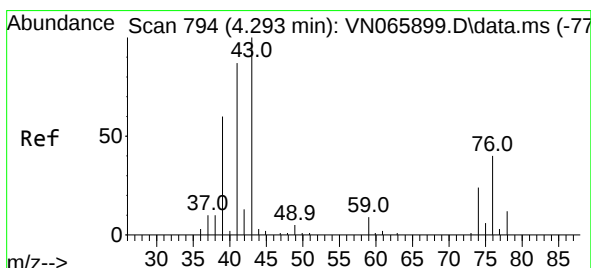
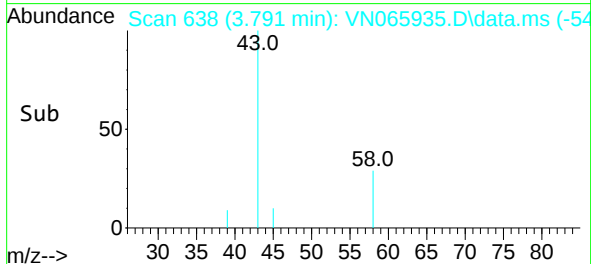
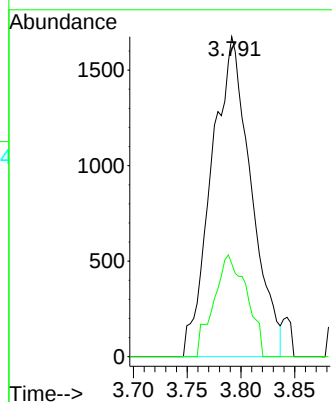
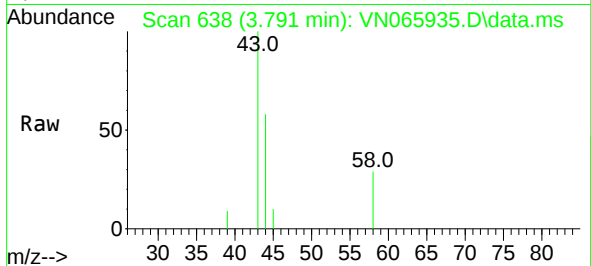




#16
Acetone
Concen: 3.98 ug/l
RT: 3.791 min Scan# 638
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

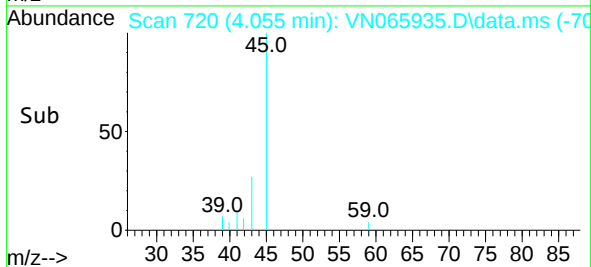
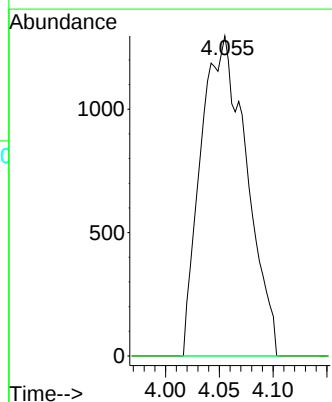
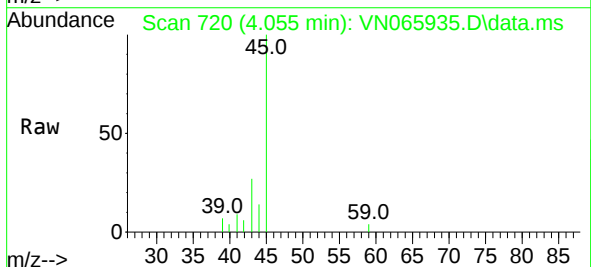
Instrument :
MSVOA_N
ClientSampled :

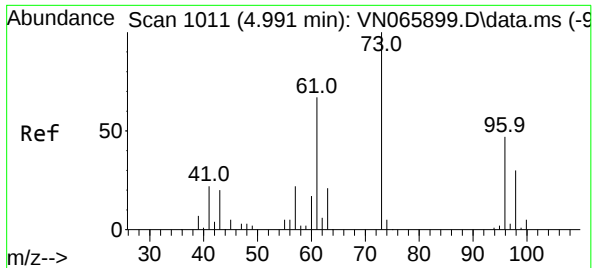
Tgt Ion: 43 Resp: 4282
Ion Ratio Lower Upper
43 100
58 29.1 27.0 40.6



#18
Methyl Acetate
Concen: 1.89 ug/l
RT: 4.055 min Scan# 720
Delta R.T. -0.238 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 43 Resp: 3828
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#

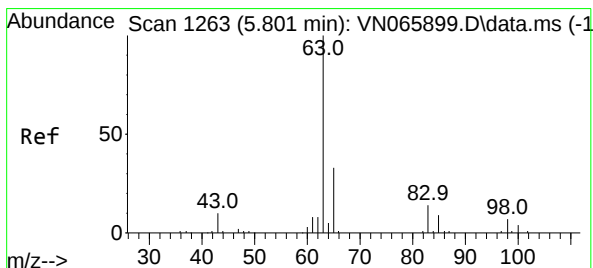
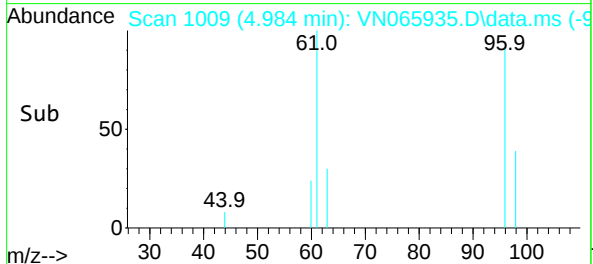
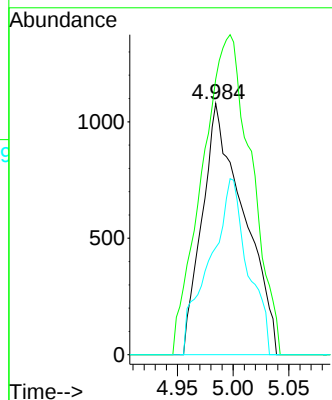
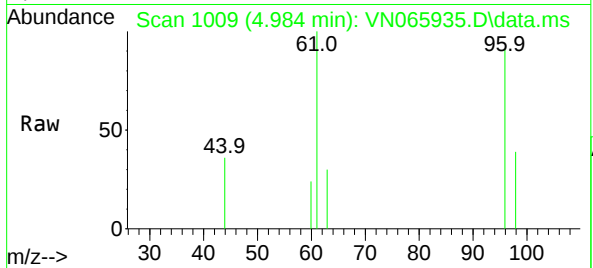




#21
trans-1,2-Dichloroethene
Concen: 1.35 ug/l
RT: 4.984 min Scan# 1009
Delta R.T. -0.007 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

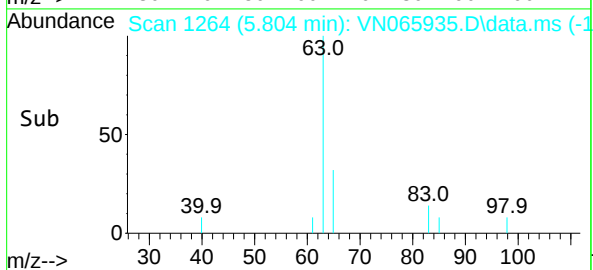
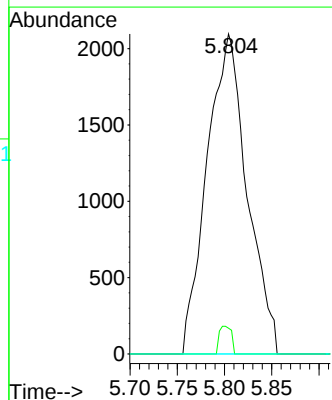
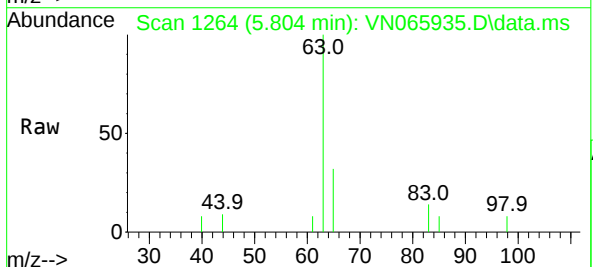
Instrument :
MSVOA_N
ClientSampled :

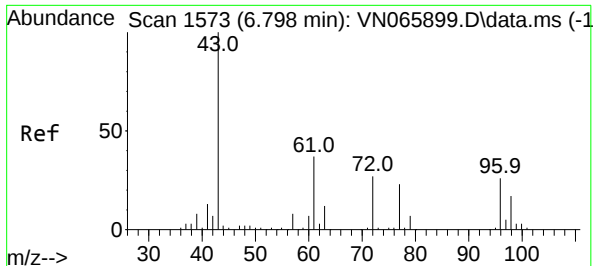
Tgt Ion: 96 Resp: 2803
Ion Ratio Lower Upper
96 100
61 109.6 104.9 157.3
98 42.6 51.8 77.8#



#24
1,1-Dichloroethane
Concen: 1.59 ug/l
RT: 5.804 min Scan# 1264
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 63 Resp: 6186
Ion Ratio Lower Upper
63 100
98 8.1 3.5 10.4
100 0.0 2.3 6.9#

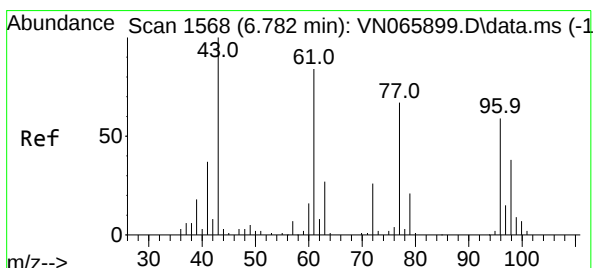
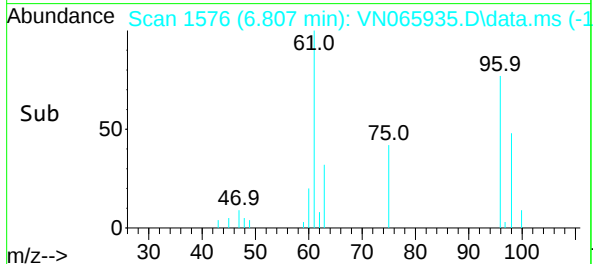
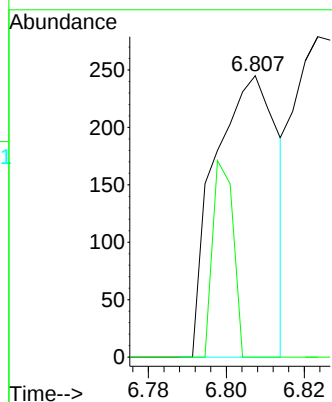
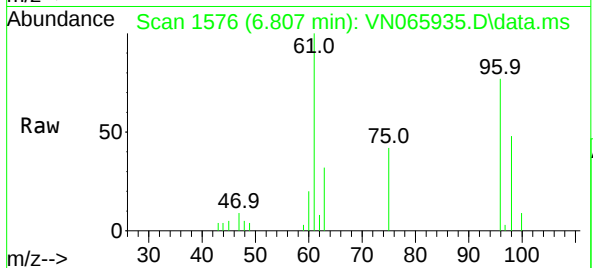




#25
2-Butanone
Concen: 0.22 ug/l
RT: 6.807 min Scan# 1576
Delta R.T. 0.009 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

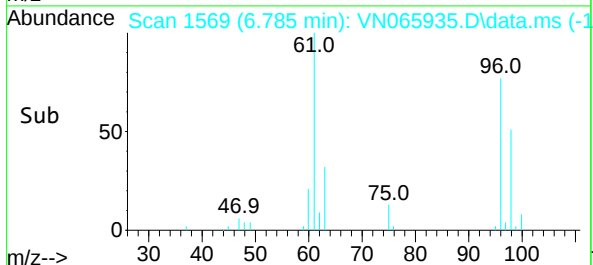
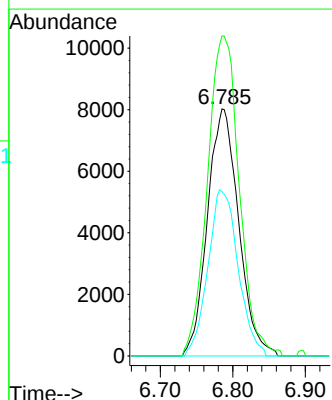
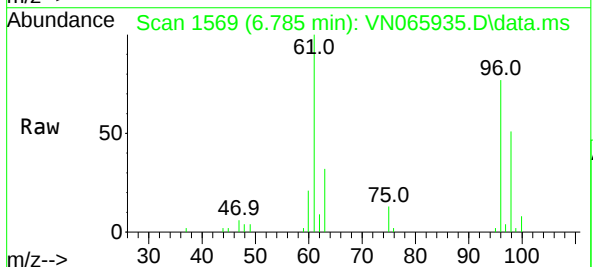
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MSVOA_N
ClientSampleId :

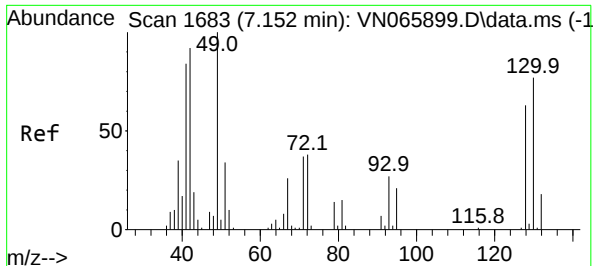
Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



#27
cis-1,2-Dichloroethene
Concen: 10.18 ug/l
RT: 6.785 min Scan# 1569
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 96 Resp: 24006
Ion Ratio Lower Upper
96 100
61 132.1 0.0 276.8
98 64.9 0.0 129.4





#28

Bromochloromethane

Concen: 0.97 ug/l

RT: 7.328 min Scan# 1738

Delta R.T. 0.176 min

Lab File: VN065935.D

Acq: 18 Feb 2021 12:54

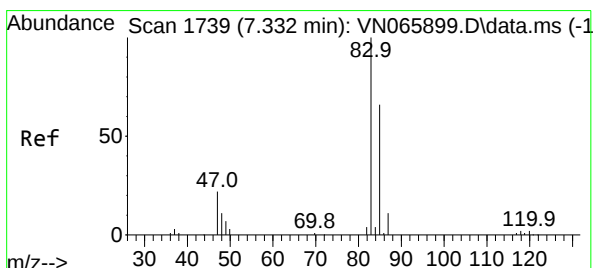
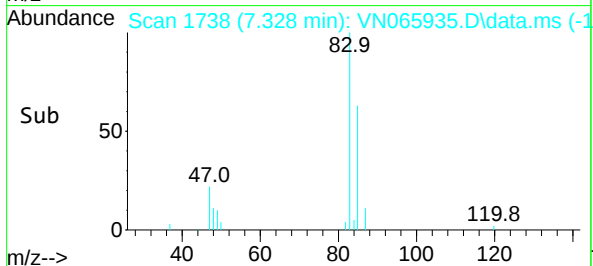
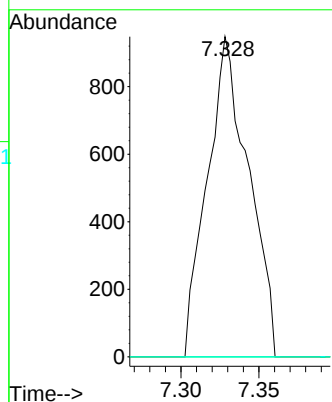
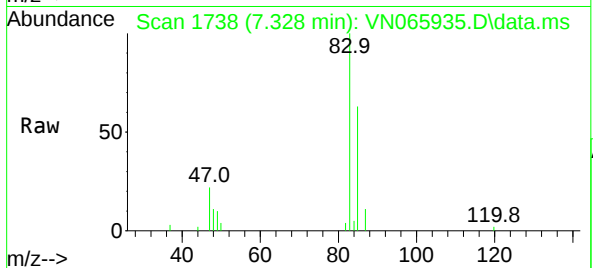
Tgt Ion: 49 Resp: 1745

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 67.8 101.6#



#30

Chloroform

Concen: 6.99 ug/l

RT: 7.335 min Scan# 1740

Delta R.T. 0.003 min

Lab File: VN065935.D

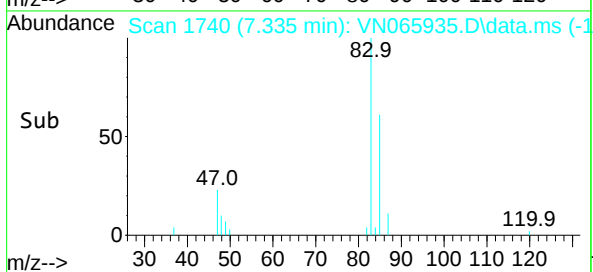
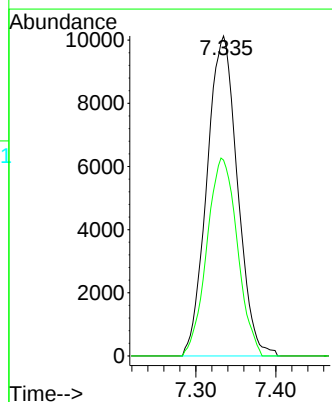
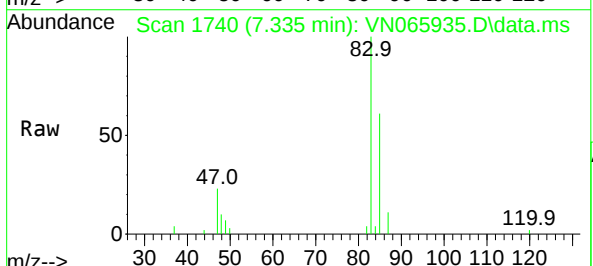
Acq: 18 Feb 2021 12:54

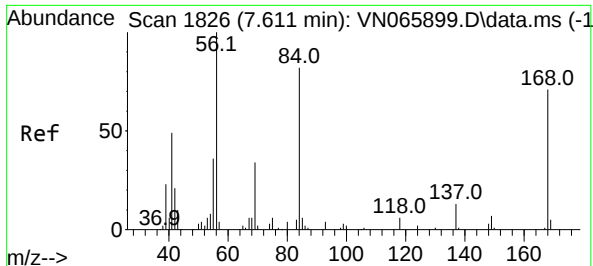
Tgt Ion: 83 Resp: 26862

Ion Ratio Lower Upper

83 100

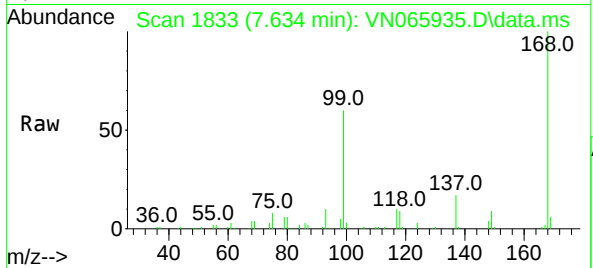
85 61.2 52.6 78.8



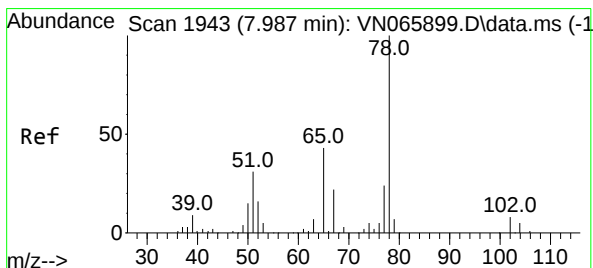
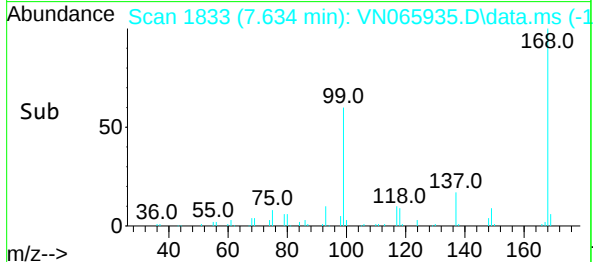
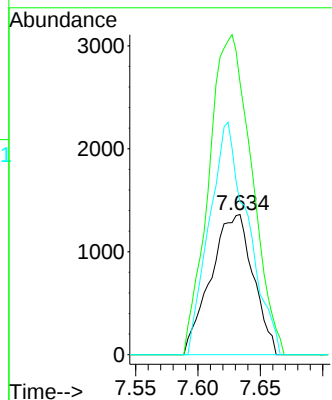


#31
Cyclohexane
Concen: 0.88 ug/l
RT: 7.634 min Scan# 1833
Delta R.T. 0.023 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Instrument :
MSVOA_N
ClientSampled :

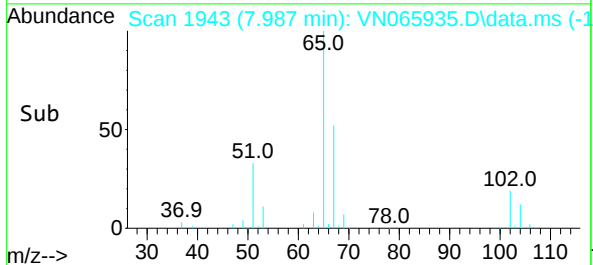
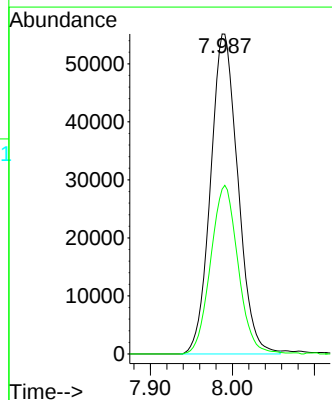
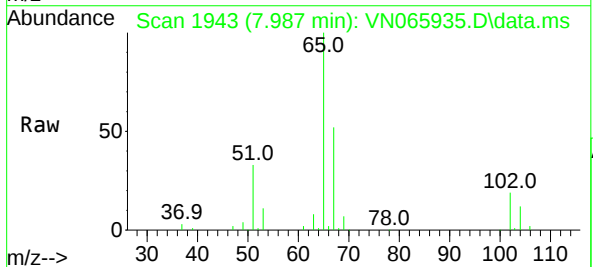


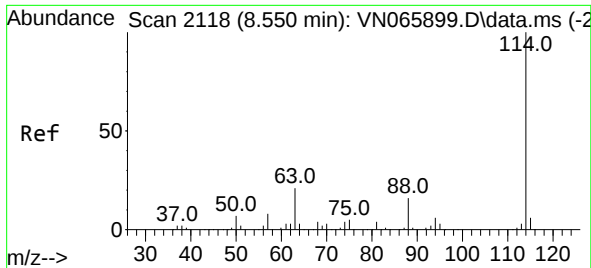
Tgt Ion: 56 Resp: 3226
Ion Ratio Lower Upper
56 100
69 194.1 26.6 39.8#
84 108.7 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 52.13 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 65 Resp: 127901
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2

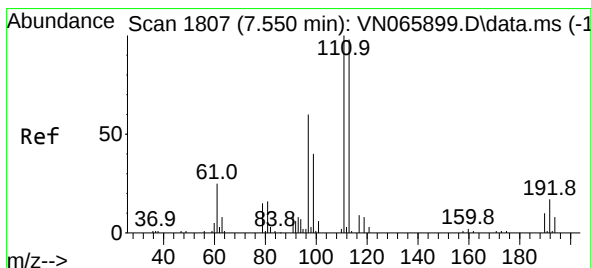
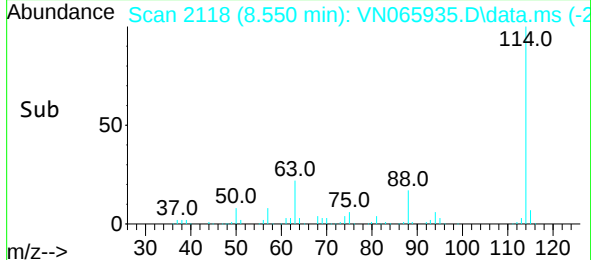
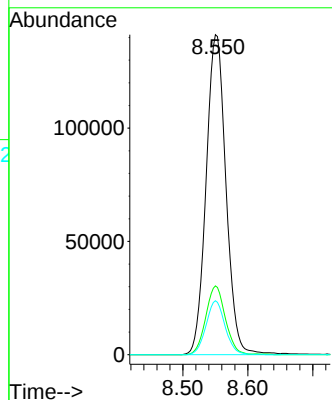
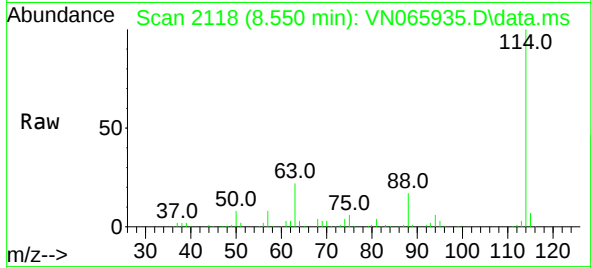




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

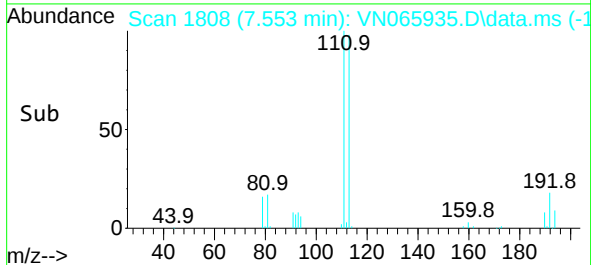
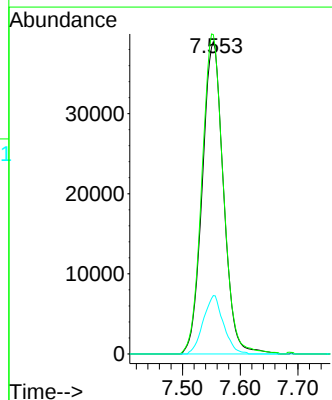
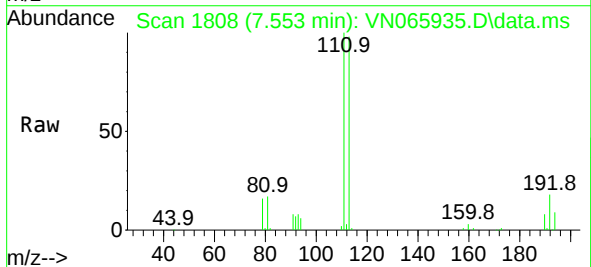
Instrument :
MSVOA_N
ClientSampled :

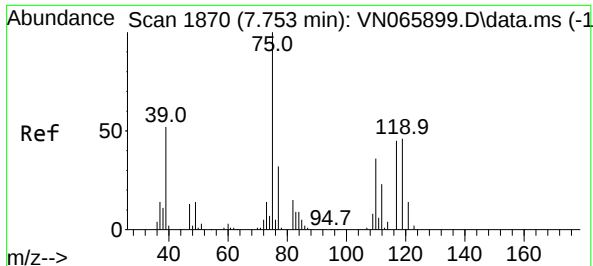
Tgt Ion:114 Resp: 300294
Ion Ratio Lower Upper
114 100
63 21.5 0.0 38.6
88 16.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.38 ug/l
RT: 7.553 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion:113 Resp: 99212
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 17.8 15.4 23.0

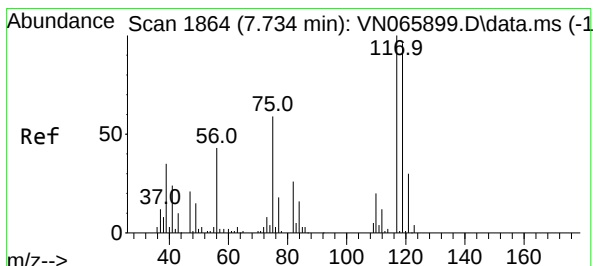
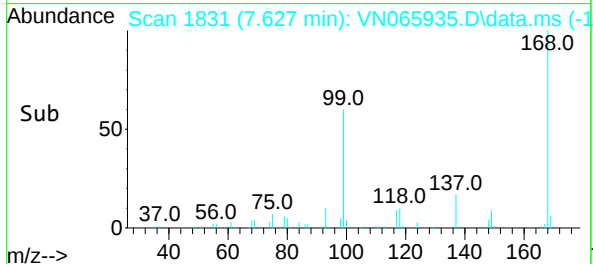
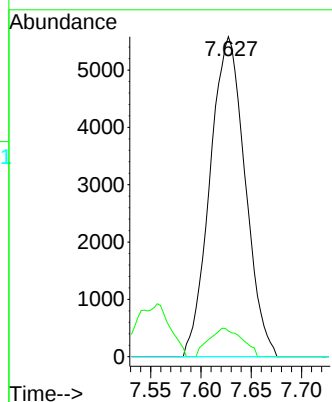
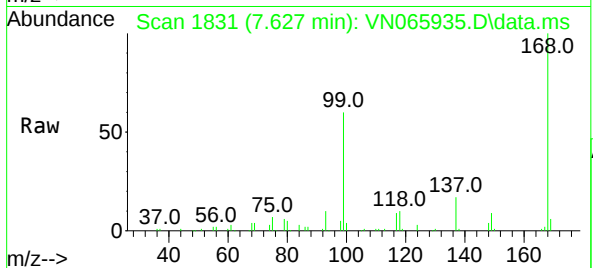




#36
1,1-Dichloropropene
Concen: 4.57 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

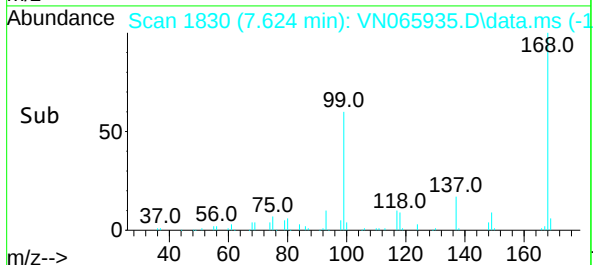
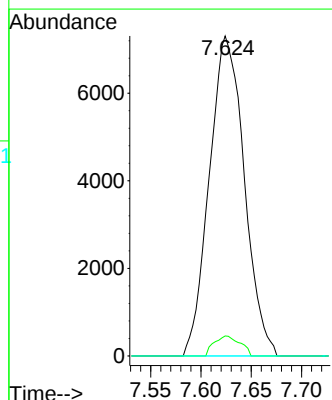
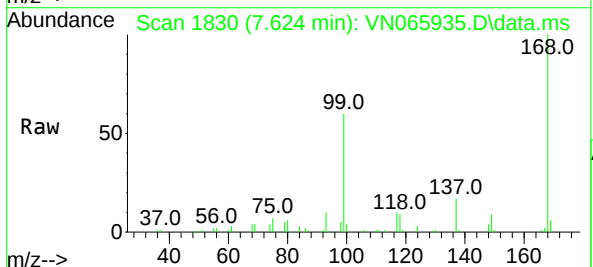
Instrument :
MSVOA_N
ClientSampled :

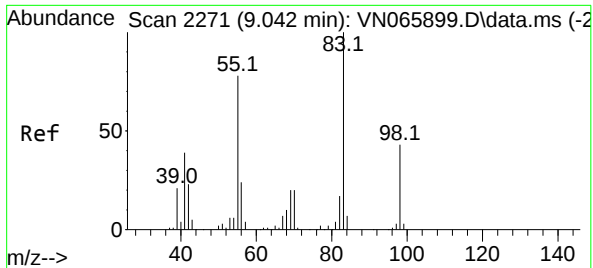
Tgt Ion: 75 Resp: 13543
Ion Ratio Lower Upper
75 100
110 8.4 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.42 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.110 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

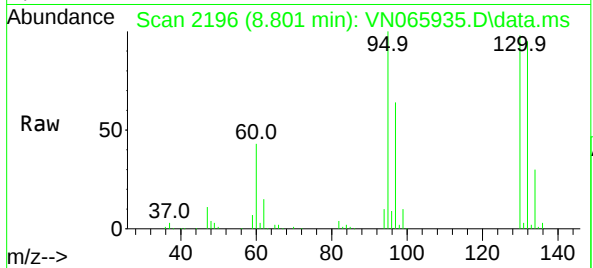
Tgt Ion: 117 Resp: 17656
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.5 36.7#



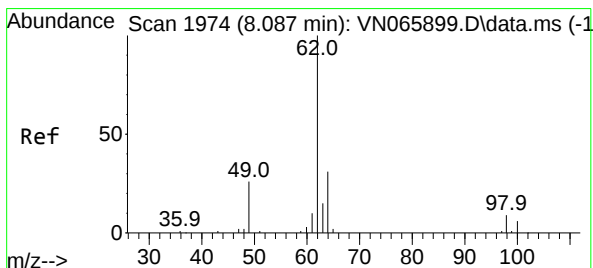
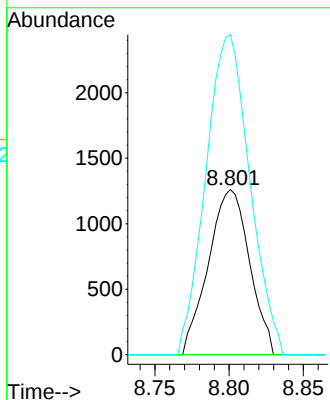
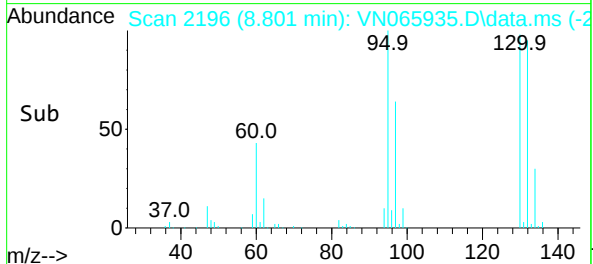


#39
Methylcyclohexane
Concen: 0.73 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. -0.241 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

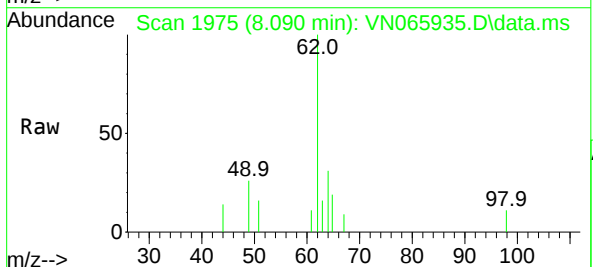
Instrument :
MSVOA_N
ClientSampled :



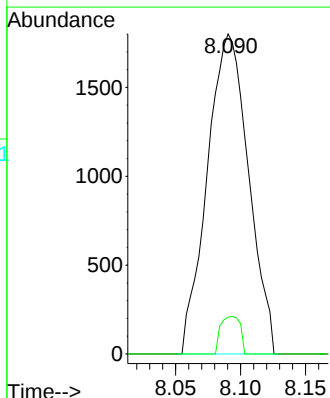
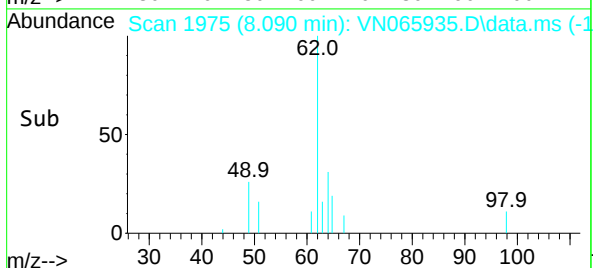
Tgt Ion: 83 Resp: 2430
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 193.7 35.9 53.9#

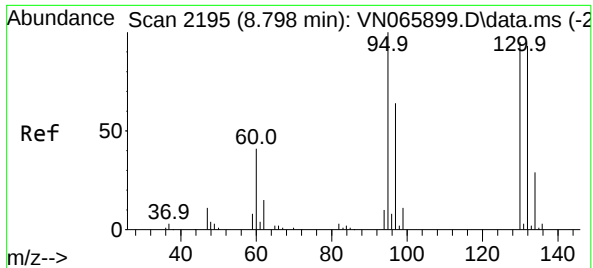


#42
1,2-Dichloroethane
Concen: 1.33 ug/l
RT: 8.090 min Scan# 1975
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54



Tgt Ion: 62 Resp: 3980
Ion Ratio Lower Upper
62 100
98 5.5 0.0 18.6

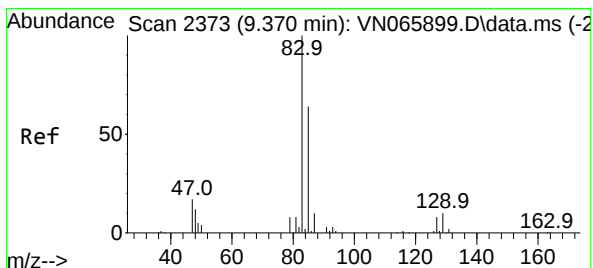
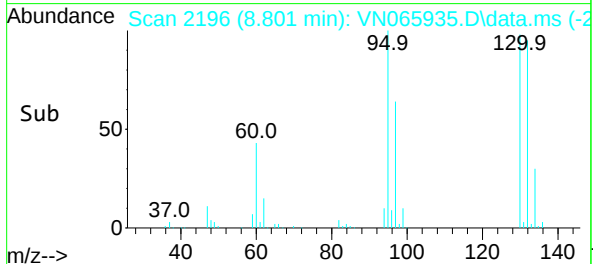
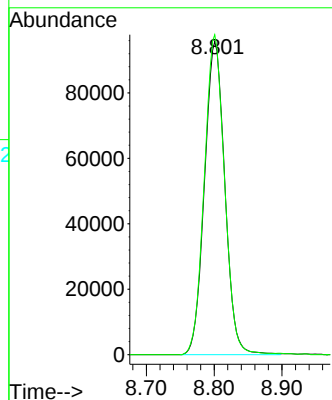
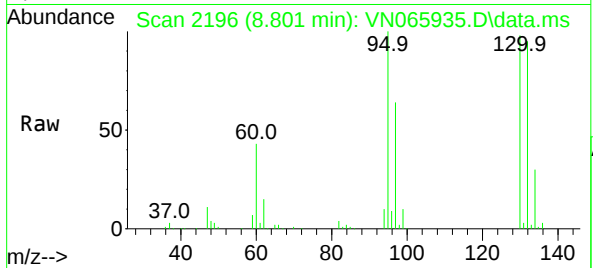




#44
Trichloroethene
Concen: 88.73 ug/l
RT: 8.801 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

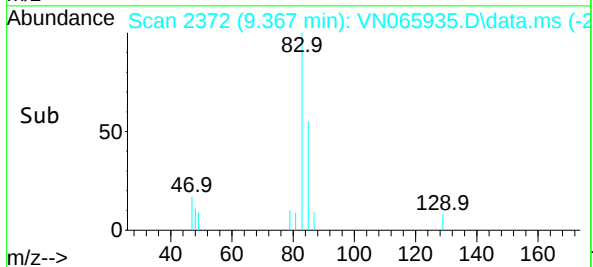
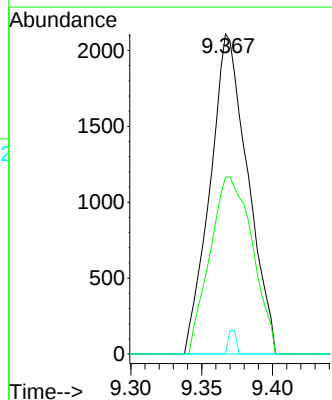
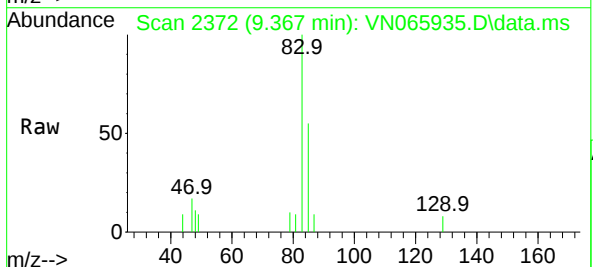
Instrument :
MSVOA_N
ClientSampled :

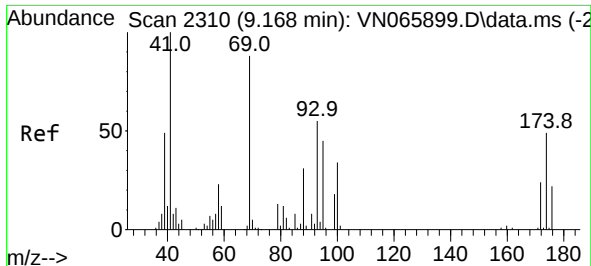
Tgt Ion:130 Resp: 199364
Ion Ratio Lower Upper
130 100
95 102.2 0.0 199.6



#47
Bromodichloromethane
Concen: 1.35 ug/l
RT: 9.367 min Scan# 2372
Delta R.T. -0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 83 Resp: 3900
Ion Ratio Lower Upper
83 100
85 55.2 51.0 76.4
127 0.0 7.0 10.6#

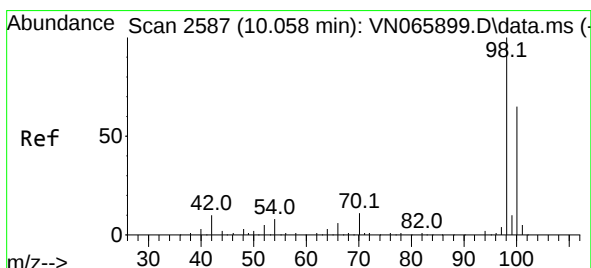
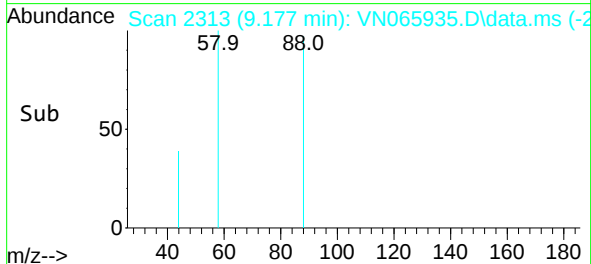
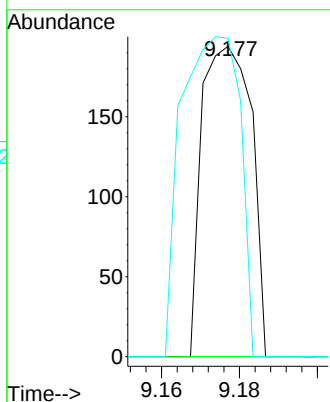
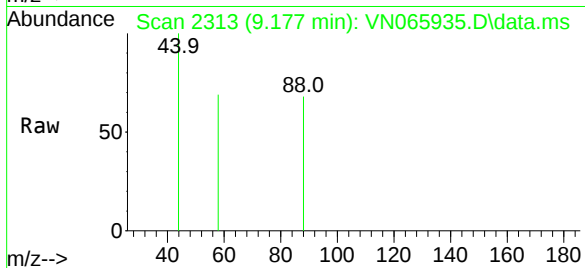




#49
1,4-Dioxane
Concen: 4.65 ug/l
RT: 9.177 min Scan# 2313
Delta R.T. 0.009 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

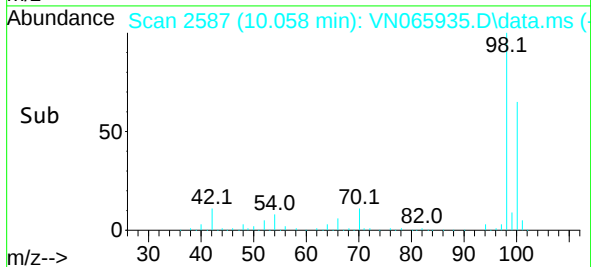
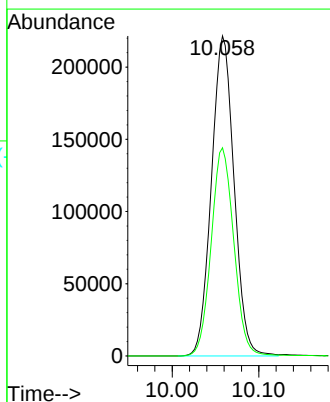
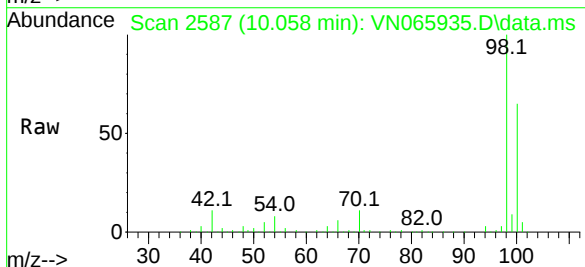
Instrument :
MSVOA_N
ClientSampled :

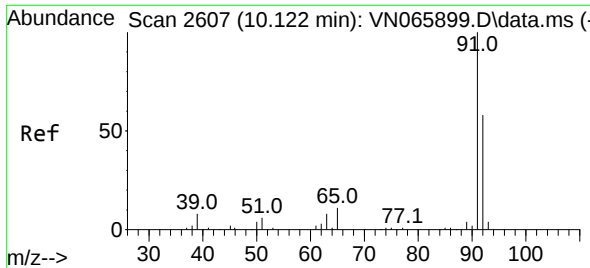
Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 122.2 52.6 78.8#



#50
Toluene-d8
Concen: 52.72 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 98 Resp: 402172
Ion Ratio Lower Upper
98 100
100 65.1 50.5 75.7

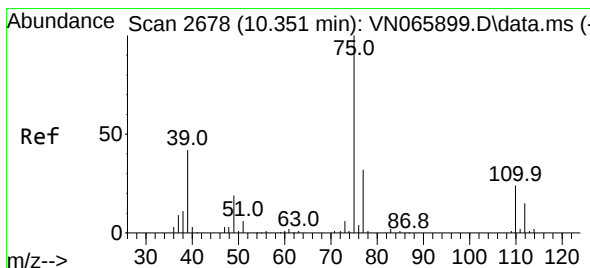
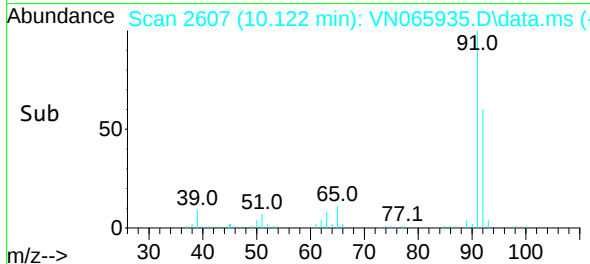
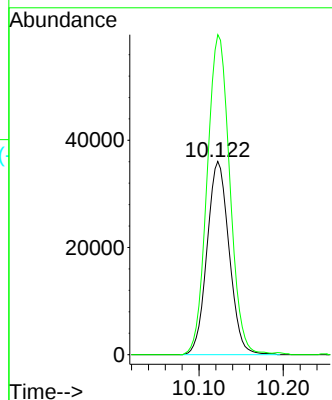
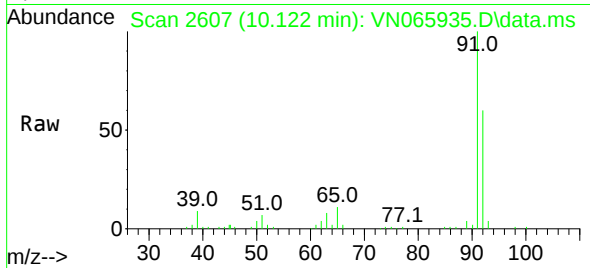




#52
Toluene
Concen: 11.77 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

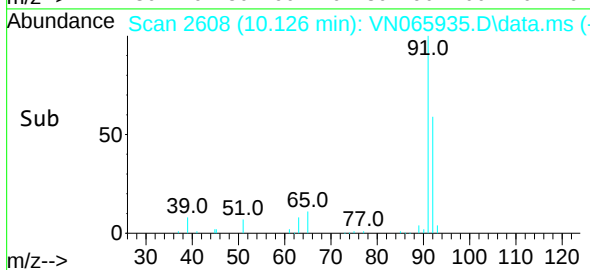
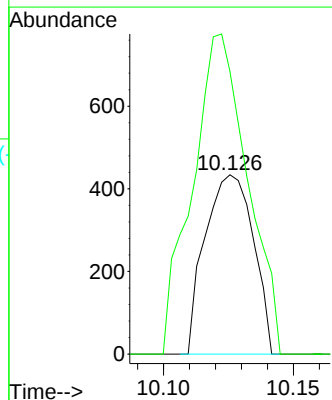
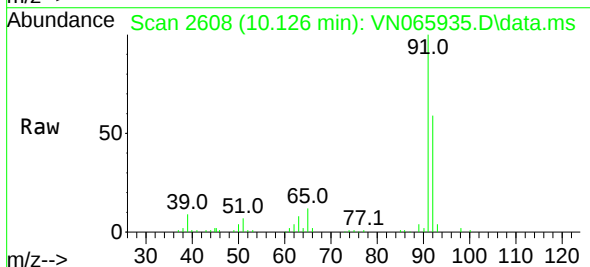
Instrument :
MSVOA_N
ClientSampled :

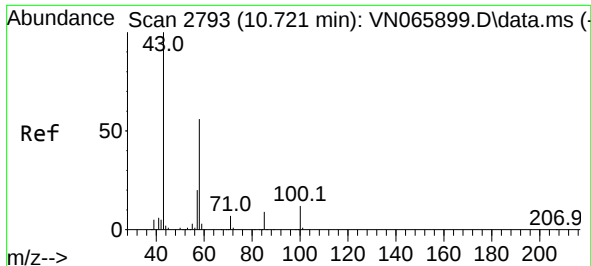
Tgt Ion: 92 Resp: 65693
Ion Ratio Lower Upper
92 100
91 169.9 140.7 211.1



#53
t-1,3-Dichloropropene
Concen: 2.13 ug/l
RT: 10.126 min Scan# 2608
Delta R.T. -0.225 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 75 Resp: 560
Ion Ratio Lower Upper
75 100
77 157.6 26.2 39.4#

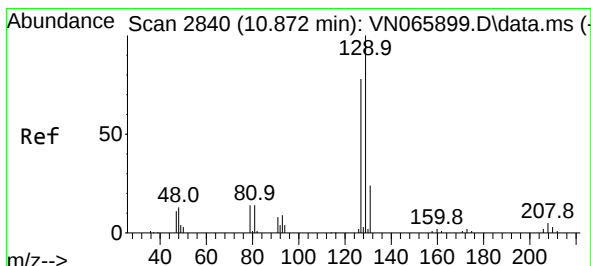
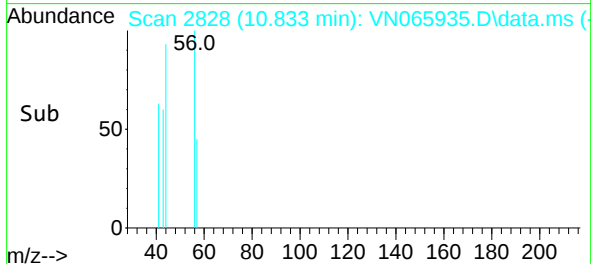
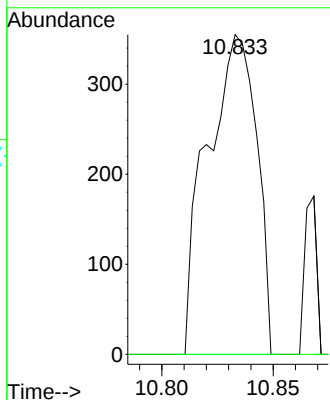
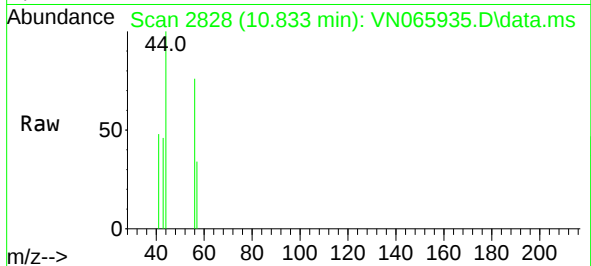




#59
2-Hexanone
Concen: 0.30 ug/l
RT: 10.833 min Scan# 2828
Delta R.T. 0.112 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

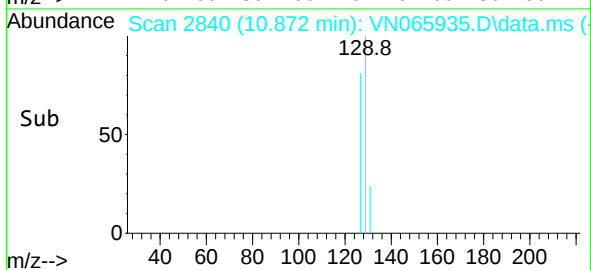
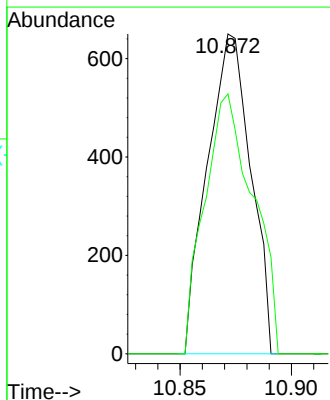
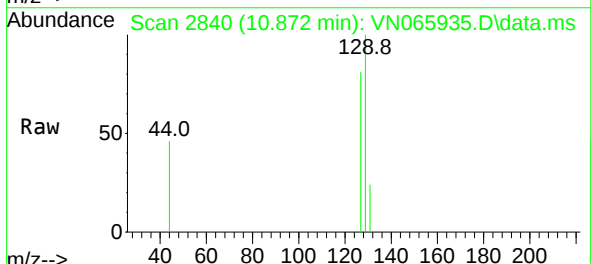
Instrument :
MSVOA_N
ClientSampled :

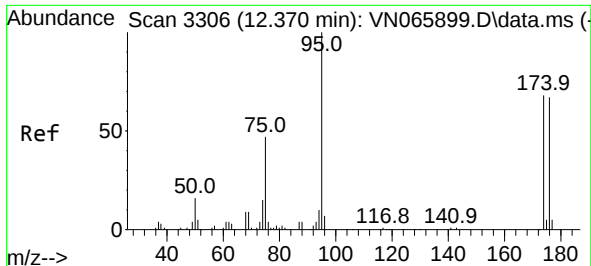
Tgt Ion: 43 Resp: 550
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#60
Dibromochloromethane
Concen: 0.41 ug/l
RT: 10.872 min Scan# 2840
Delta R.T. -0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 129 Resp: 881
Ion Ratio Lower Upper
129 100
127 90.9 38.5 115.5

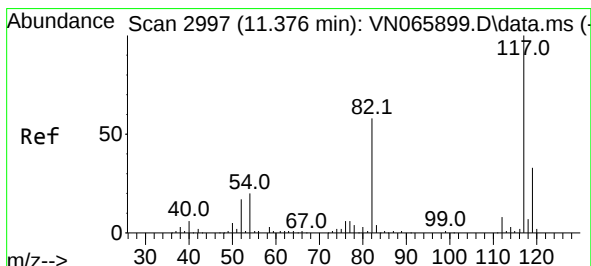
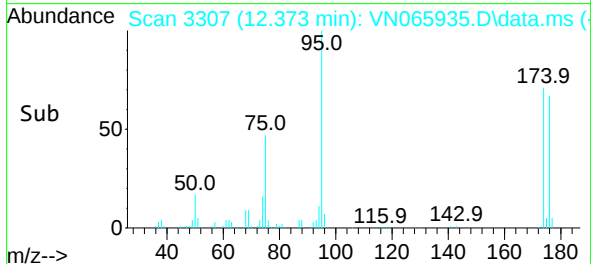
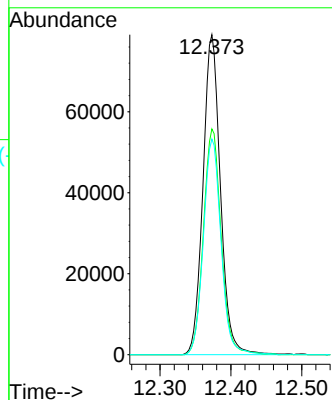
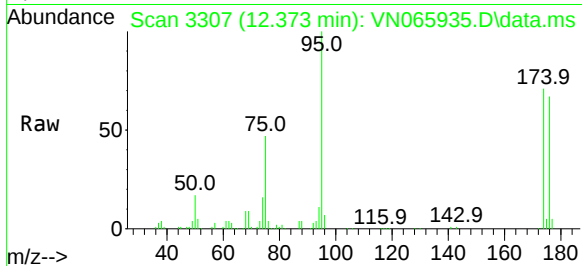




#62
4-Bromofluorobenzene
Concen: 47.28 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

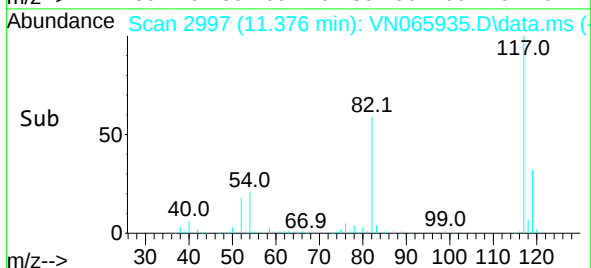
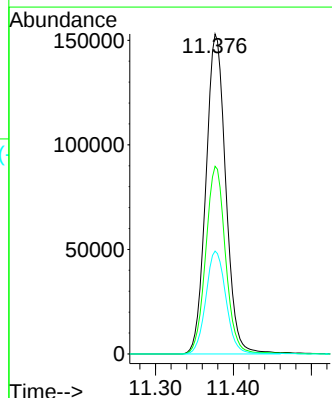
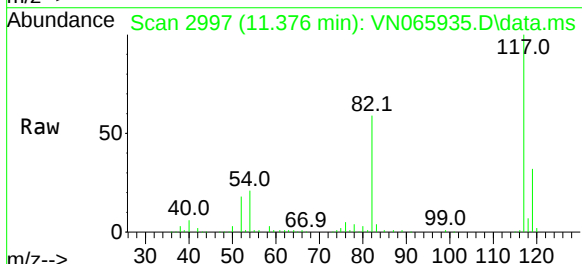
Instrument :
MSVOA_N
ClientSampleId :

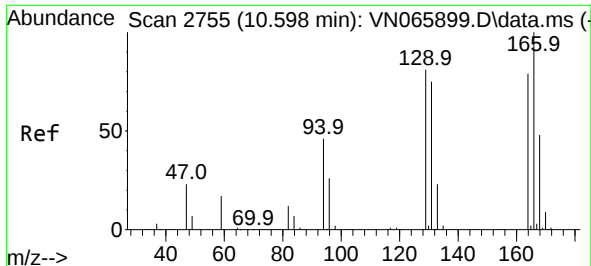
Tgt Ion: 95 Resp: 135401
Ion Ratio Lower Upper
95 100
174 71.8 0.0 169.0
176 68.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 117 Resp: 270470
Ion Ratio Lower Upper
117 100
82 58.7 43.7 65.5
119 32.2 26.1 39.1



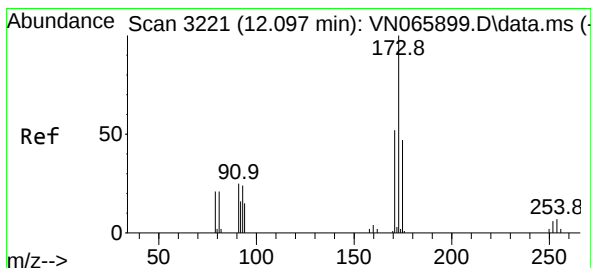
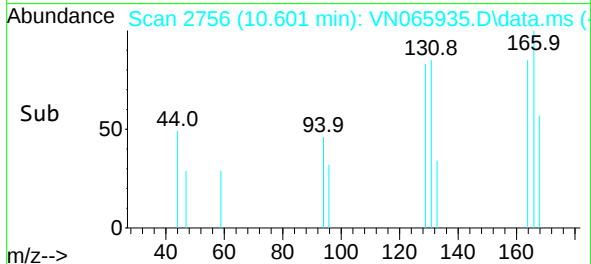
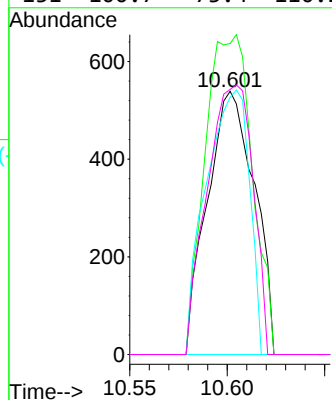
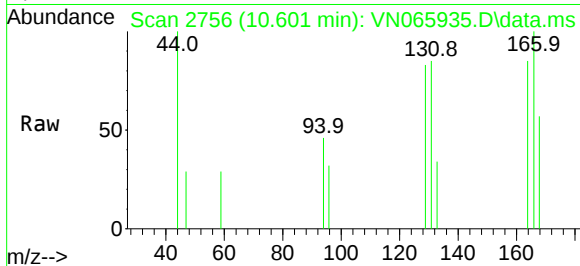


#64
Tetrachloroethene
Concen: 0.43 ug/l
RT: 10.601 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:164 Resp: 904

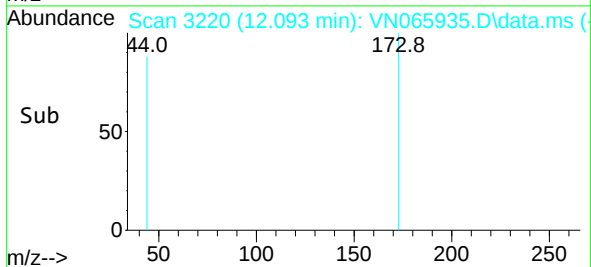
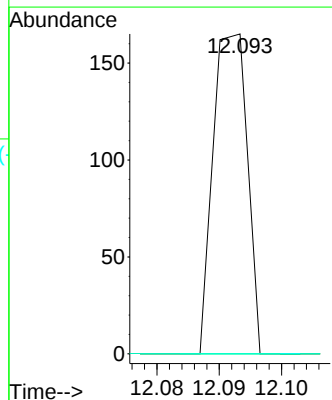
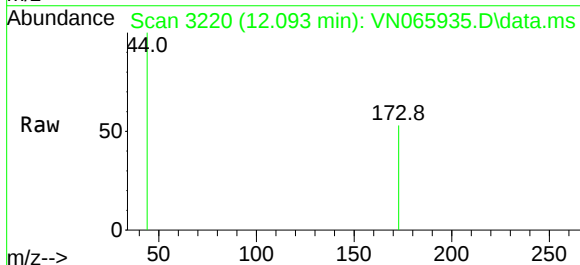
Ion	Ratio	Lower	Upper
164	100		
166	118.2	102.6	154.0
129	97.8	76.2	114.4
131	100.7	73.4	110.2

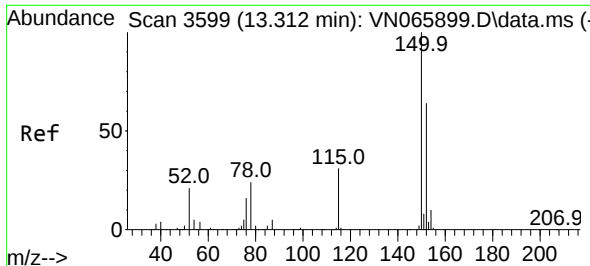


#71
Bromoform
Concen: 2.54 ug/l
RT: 12.093 min Scan# 3220
Delta R.T. -0.004 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion:173 Resp: 63

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.8	71.2#
254	0.0	0.0	0.0

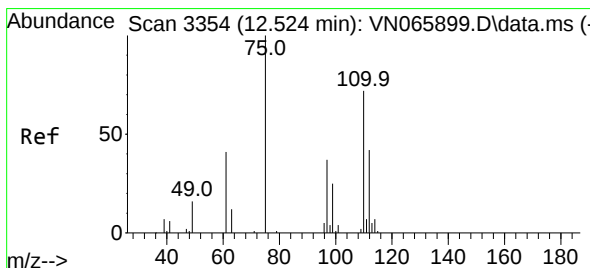
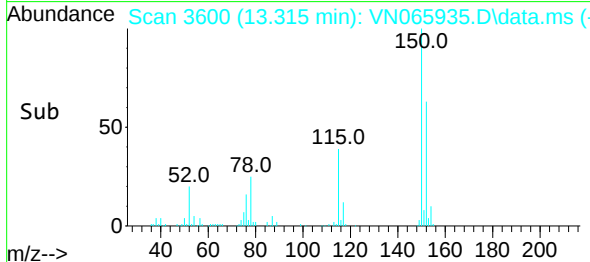
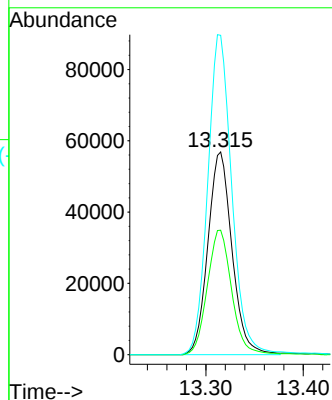
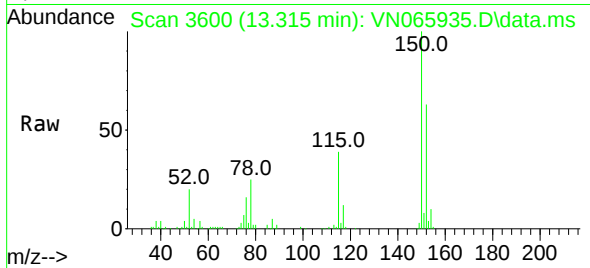




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

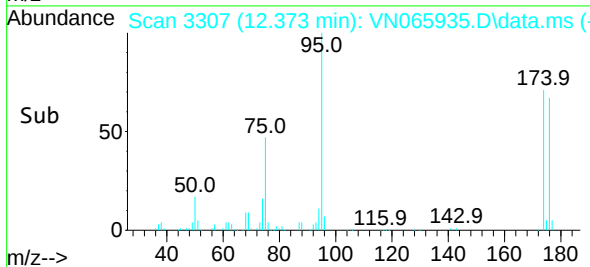
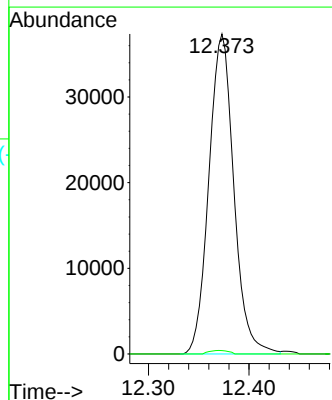
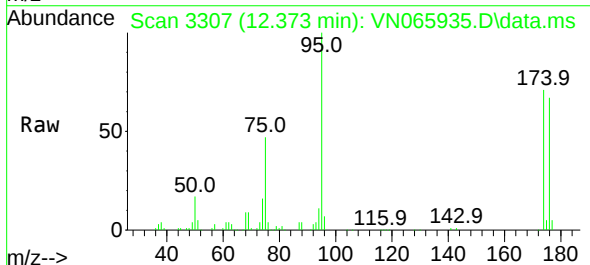
Instrument :
MSVOA_N
ClientSampled :

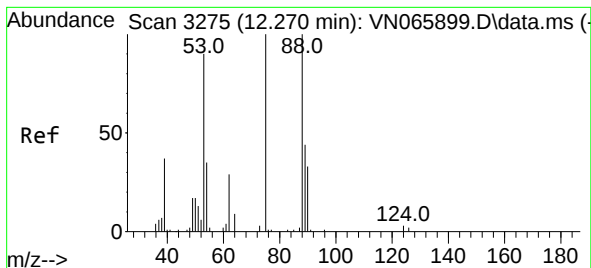
Tgt Ion:152 Resp: 97803
Ion Ratio Lower Upper
152 100
115 62.1 28.5 85.6
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.43 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion: 75 Resp: 64439
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

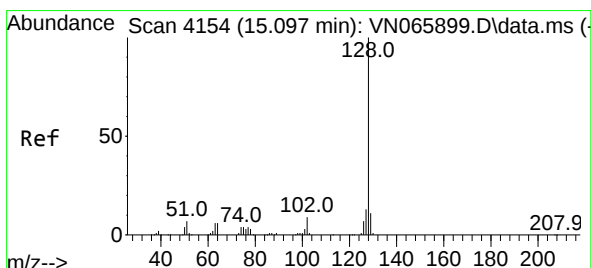
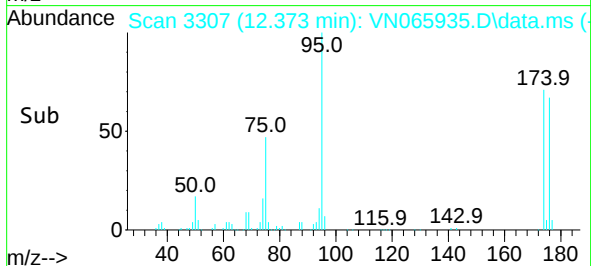
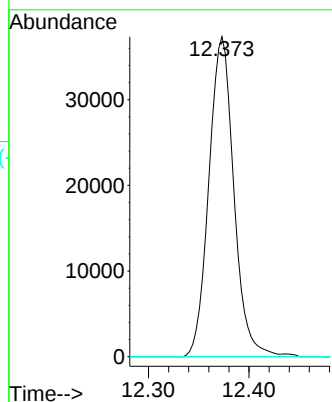
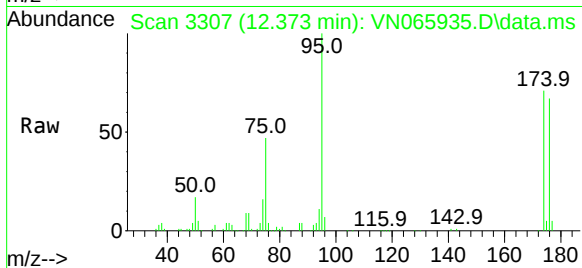




#81
trans-1,4-Dichloro-2-butene
Concen: 87.41 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64439
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 3.58 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.006 min
Lab File: VN065935.D
Acq: 18 Feb 2021 12:54

Tgt Ion:128 Resp: 3162
Ion Ratio Lower Upper
128 100
127 6.7 10.2 15.2#
129 3.0 8.6 13.0#

