

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021331.D
 Acq On : 20 Mar 2021 07:03
 Operator : JC/MD
 Sample : M1735-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D1-20210316

Quant Time: Mar 20 07:57:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

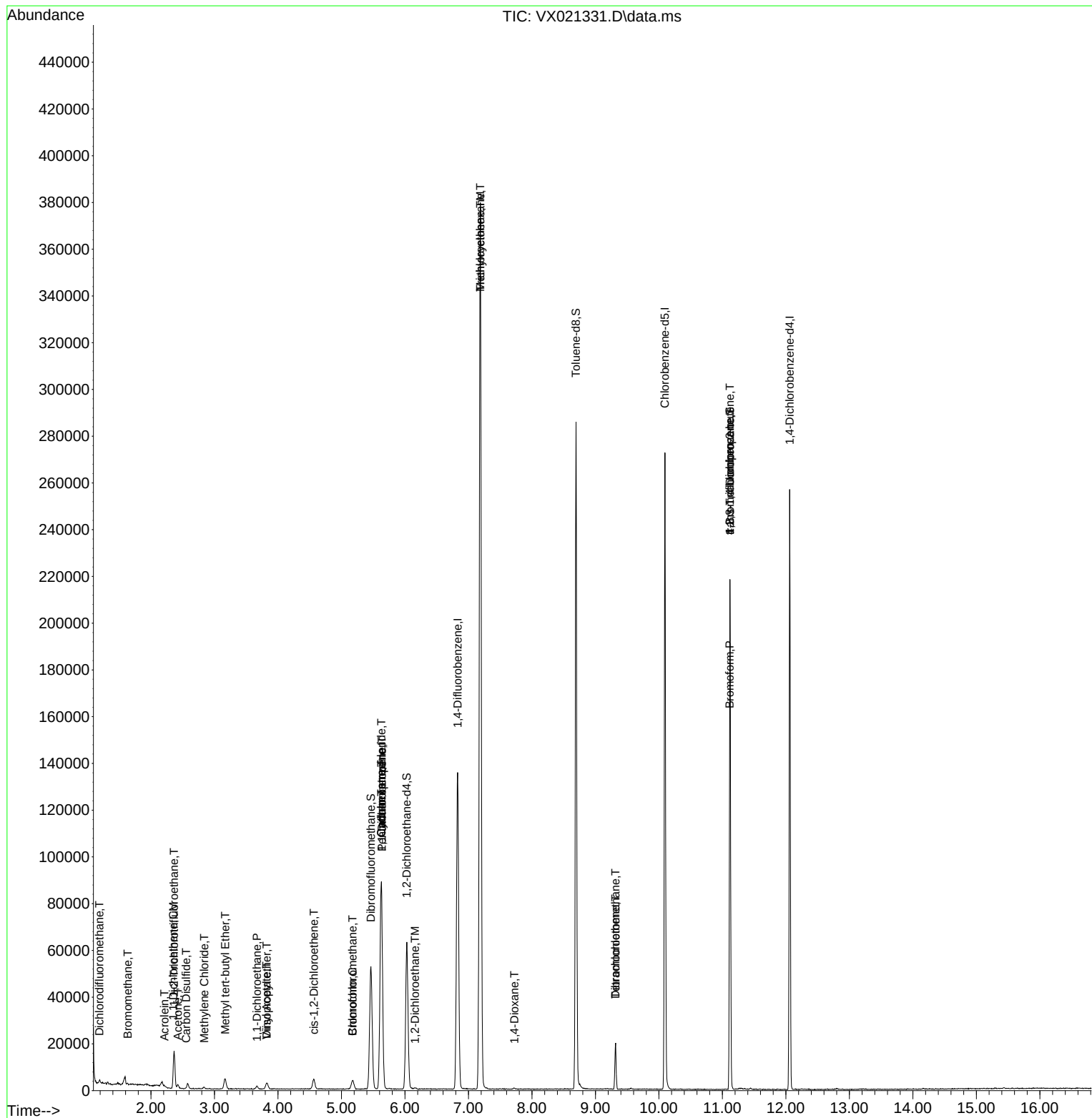
Internal Standards						
1) Pentafluorobenzene	5.635	168	76627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	126963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	108509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	44675	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	61458	48.90	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.80%		
35) Dibromofluoromethane	5.464	113	43156	49.95	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.90%		
50) Toluene-d8	8.694	98	156084	49.79	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.58%		
62) 4-Bromofluorobenzene	11.118	95	54849	45.06	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.12%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.187	85	348	0.38	ug/l	97
3) Chloromethane	1.311	50	1722	Below Cal	#	84
5) Bromomethane	1.634	94	113	0.28	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.364	101	5265	6.57	ug/l	96
12) 1,1-Dichloroethene	2.352	96	967	1.24	ug/l	90
13) Acrolein	2.211	56	60	3.59	ug/l #	52
16) Acetone	2.423	43	1784	3.86	ug/l	98
17) Carbon Disulfide	2.552	76	157	0.60	ug/l #	75
19) Methyl tert-butyl Ether	3.170	73	4732	1.61	ug/l	99
20) Methylene Chloride	2.840	84	320	0.34	ug/l #	88
22) Diisopropyl ether	3.823	45	2625	0.85	ug/l #	80
23) Vinyl Acetate	3.817	43	1617	0.60	ug/l #	68
24) 1,1-Dichloroethane	3.670	63	1398	0.84	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	2499	2.49	ug/l	97
28) Bromochloromethane	5.176	49	465	0.59	ug/l #	9
30) Chloroform	5.176	83	4287	2.47	ug/l	97
31) Cyclohexane	5.629	56	2120	1.40	ug/l #	36
36) 1,1-Dichloropropene	5.635	75	7215	5.64	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8714	6.56	ug/l #	17
39) Methylcyclohexane	7.188	83	1694	1.19	ug/l #	1
42) 1,2-Dichloroethane	6.158	62	551	0.36	ug/l #	73
44) Trichloroethene	7.188	130	130746	139.62	ug/l	94
49) 1,4-Dioxane	7.723	88	295	2.27	ug/l #	78
60) Dibromochloromethane	9.318	129	3444	3.39	ug/l #	11
64) Tetrachloroethene	9.318	164	3096	3.82	ug/l #	81
71) Bromoform	11.112	173	136	0.20	ug/l #	29
76) 1,2,3-Trichloropropane	11.118	75	31029	29.94	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31029	81.29	ug/l #	12

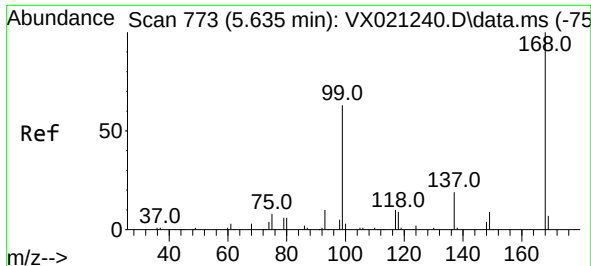
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE132D1-20210316

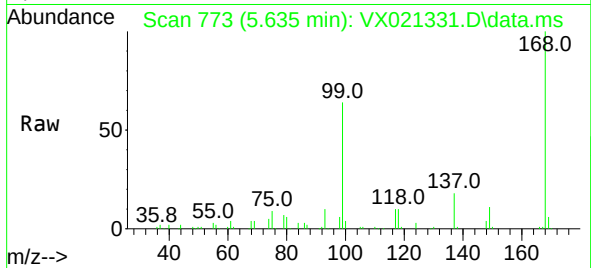
Quant Time: Mar 20 07:57:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration



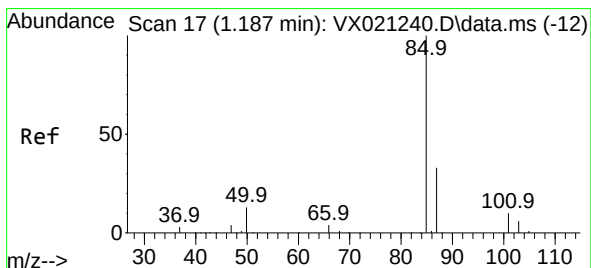
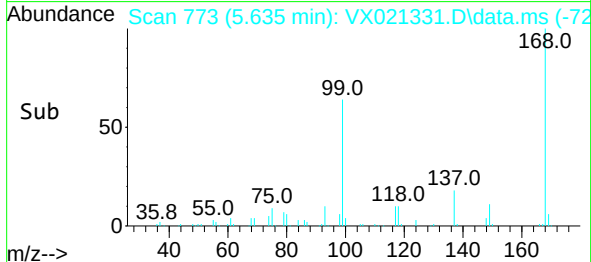
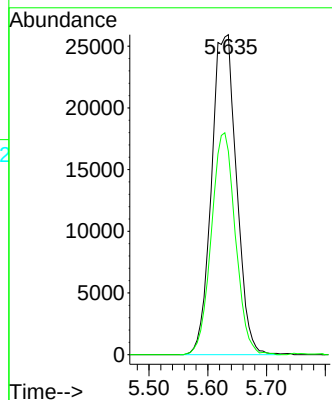


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

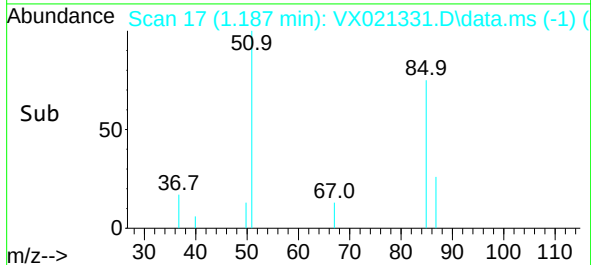
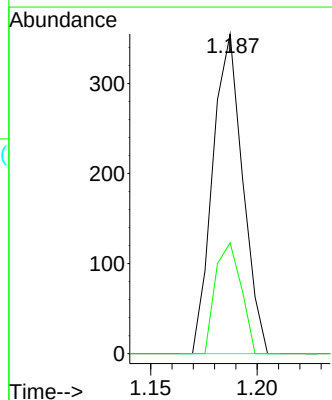
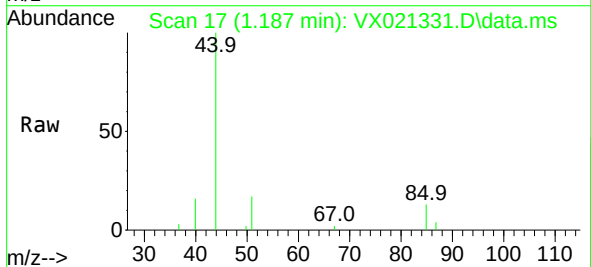


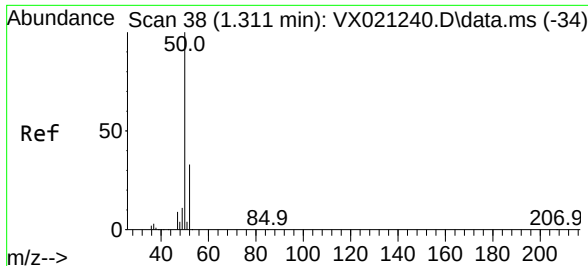
Tgt Ion:168 Resp: 76627
Ion Ratio Lower Upper
168 100
99 63.6 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.38 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 85 Resp: 348
Ion Ratio Lower Upper
85 100
87 34.6 16.4 49.2

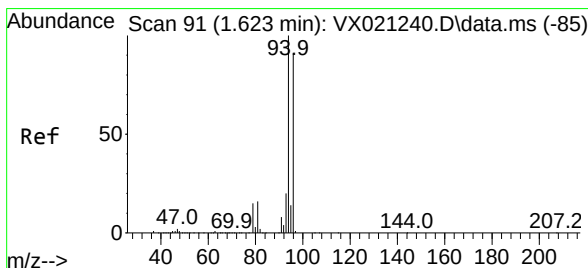
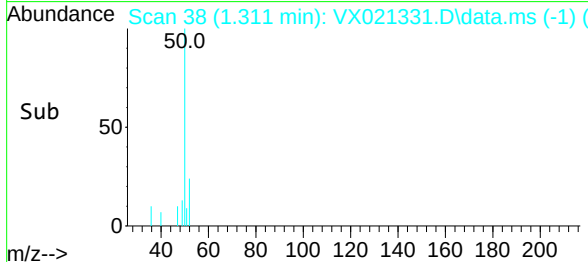
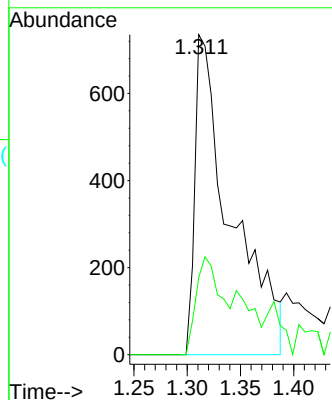
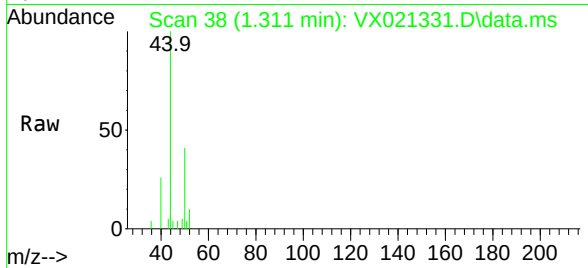




#3
Chloromethane
Concen: Below Cal
RT: 1.311 min Scan# 38
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

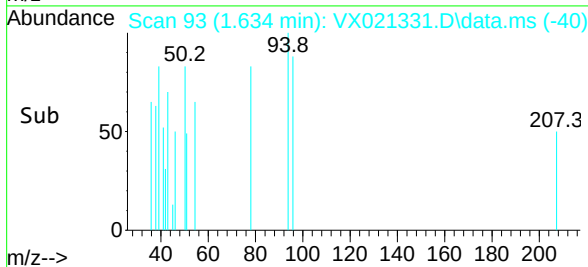
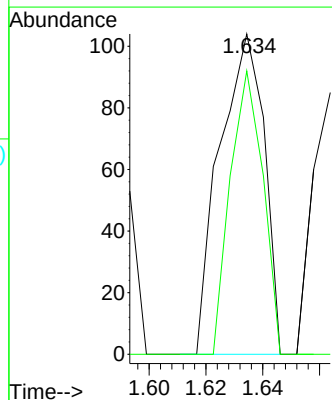
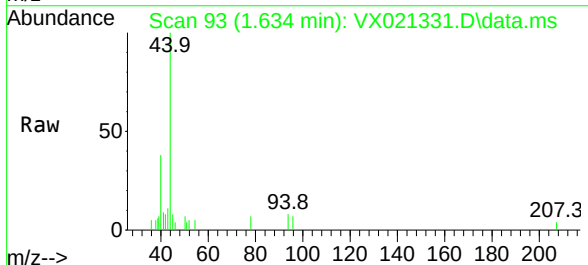
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

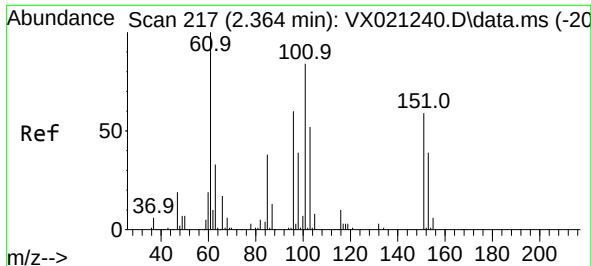
Tgt Ion: 50 Resp: 1722
Ion Ratio Lower Upper
50 100
52 24.1 26.4 39.6#



#5
Bromomethane
Concen: 0.28 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 88.5 76.4 114.6

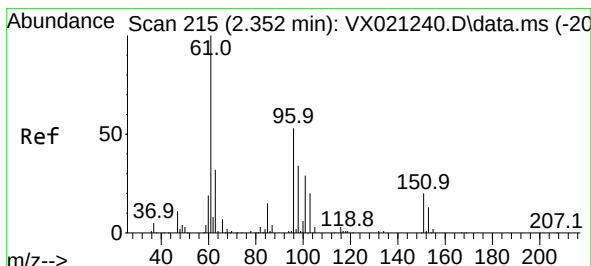
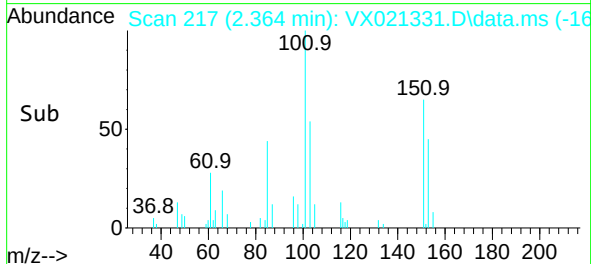
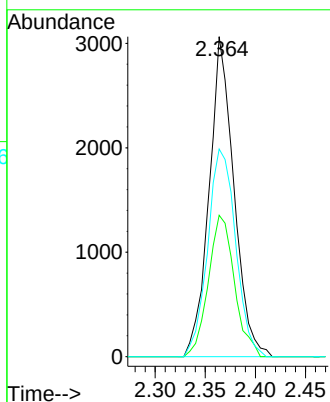
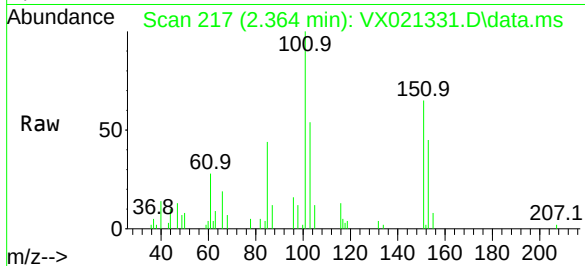




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.57 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

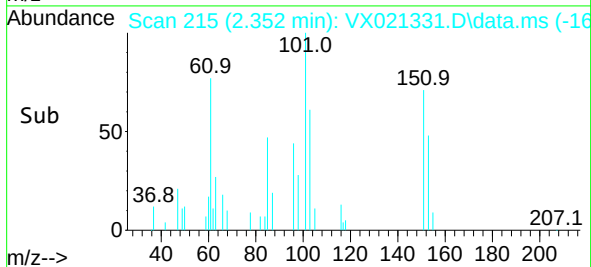
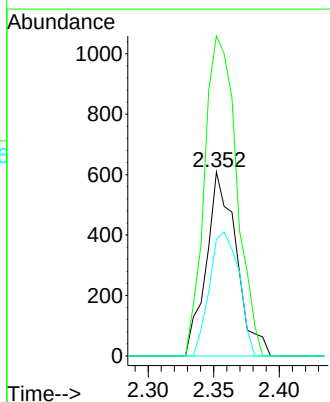
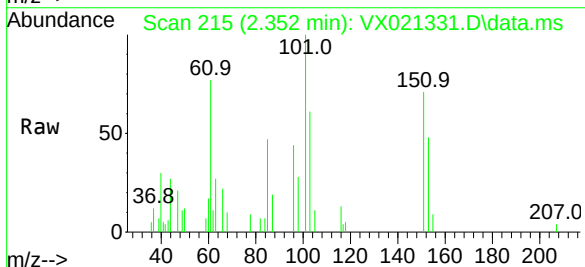
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

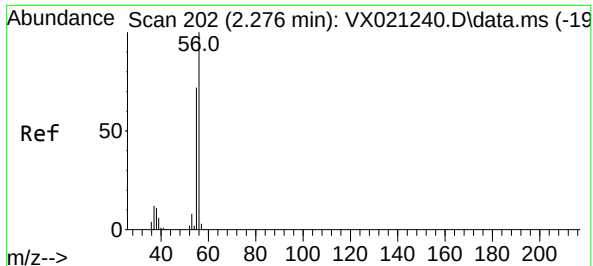
Tgt Ion:101 Resp: 5265
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 73.1 61.4 92.2



#12
1,1-Dichloroethene
Concen: 1.24 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 96 Resp: 967
Ion Ratio Lower Upper
96 100
61 173.9 124.6 187.0
98 63.5 50.6 76.0

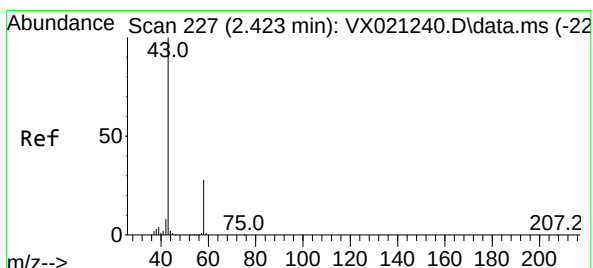
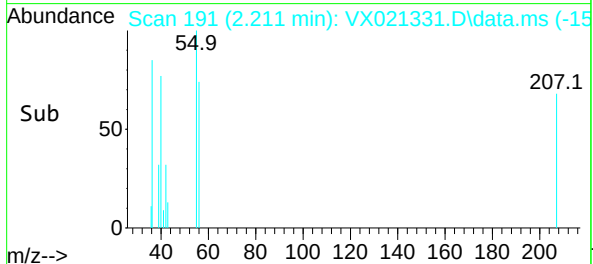
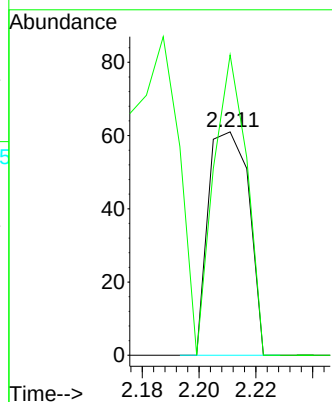
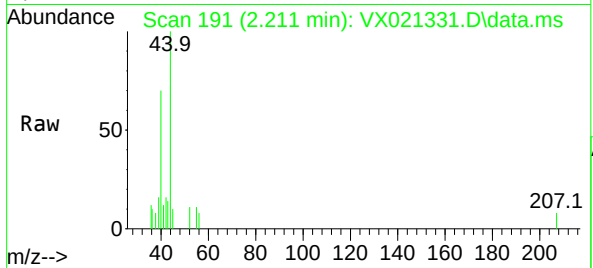




#13
Acrolein
Concen: 3.59 ug/l
RT: 2.211 min Scan# 191
Delta R.T. -0.065 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

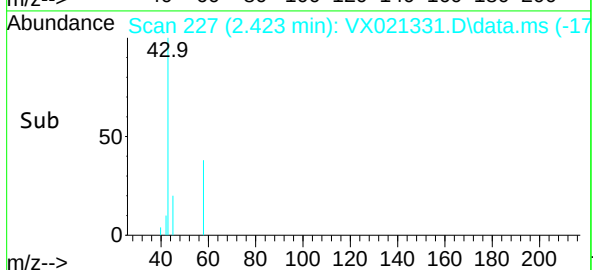
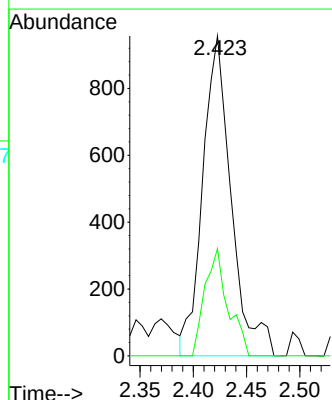
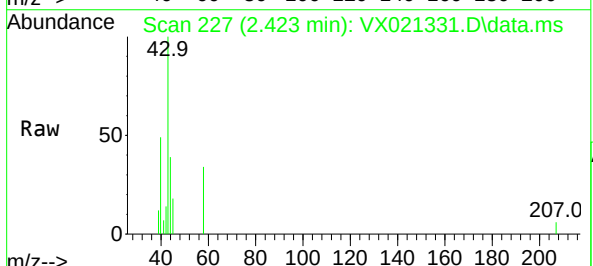
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

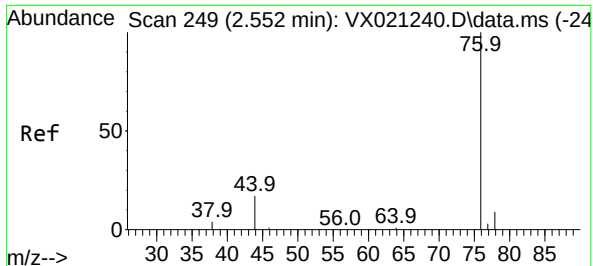
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 110.0 56.4 84.6#



#16
Acetone
Concen: 3.86 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8





#17

Carbon Disulfide

Concen: 0.60 ug/l

RT: 2.552 min Scan# 249

Delta R.T. 0.000 min

Lab File: VX021331.D

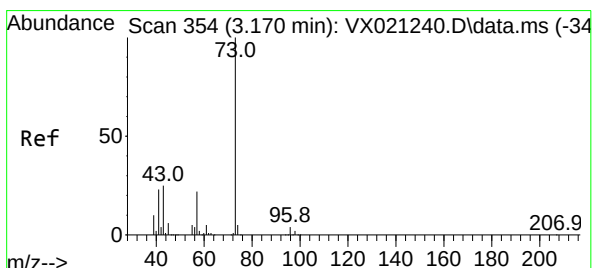
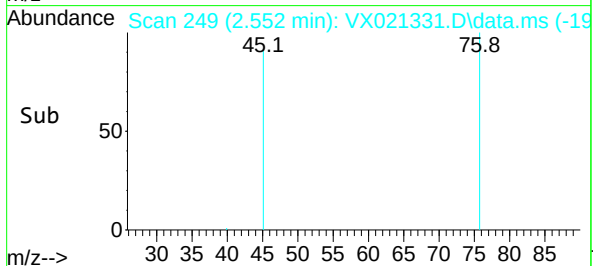
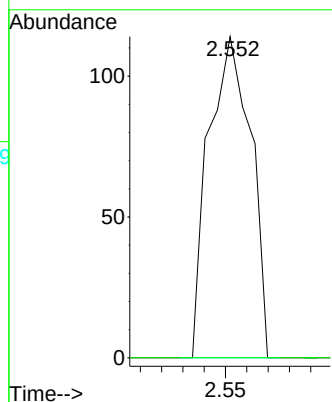
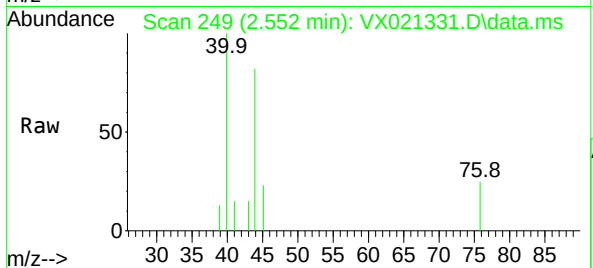
Acq: 20 Mar 2021 07:03

Tgt Ion: 76 Resp: 157

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 1.61 ug/l

RT: 3.170 min Scan# 354

Delta R.T. -0.000 min

Lab File: VX021331.D

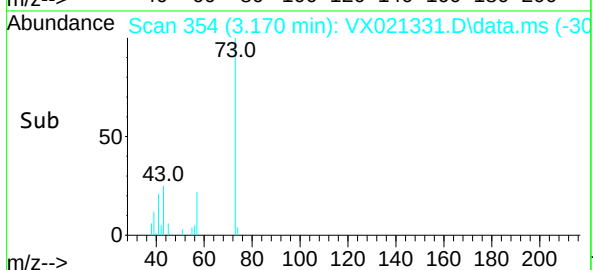
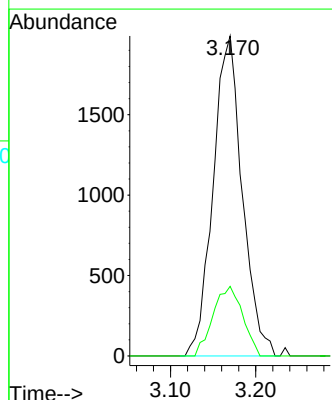
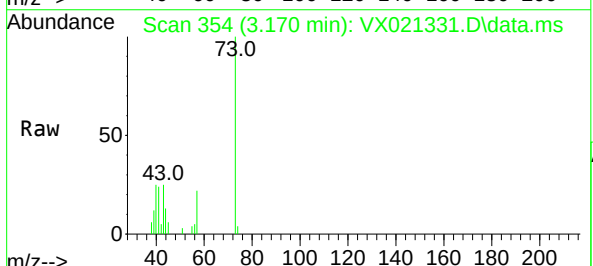
Acq: 20 Mar 2021 07:03

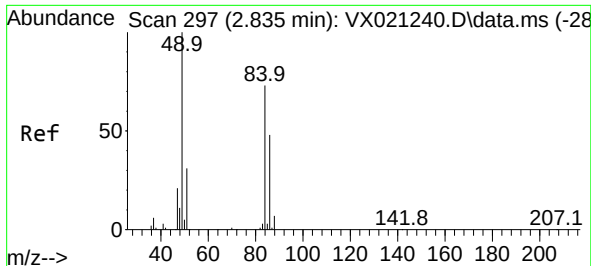
Tgt Ion: 73 Resp: 4732

Ion Ratio Lower Upper

73 100

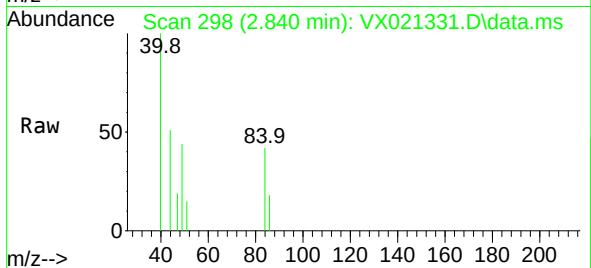
57 21.8 17.1 25.7





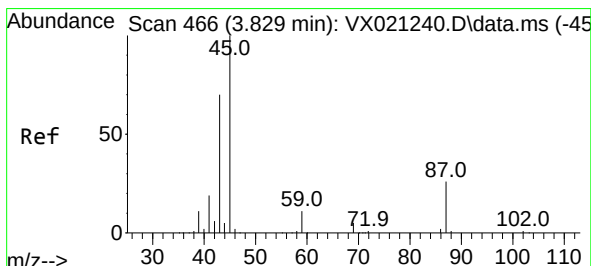
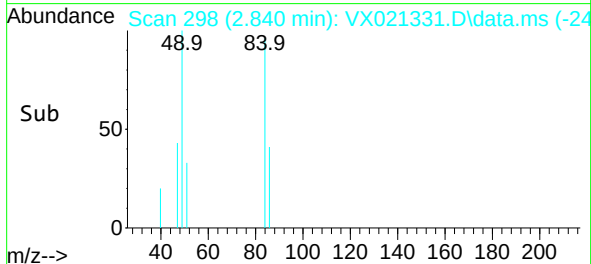
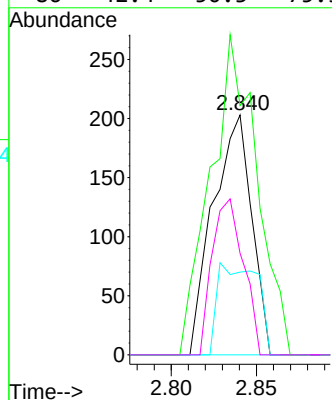
#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.005 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Instrument :
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Tgt Ion: 84 Resp: 320

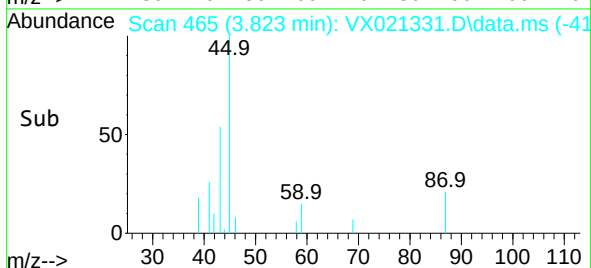
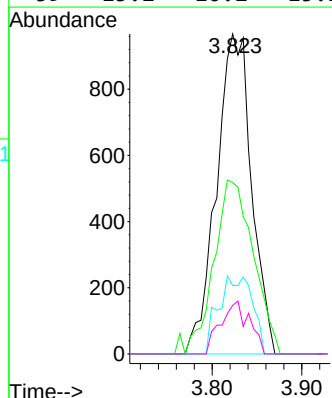
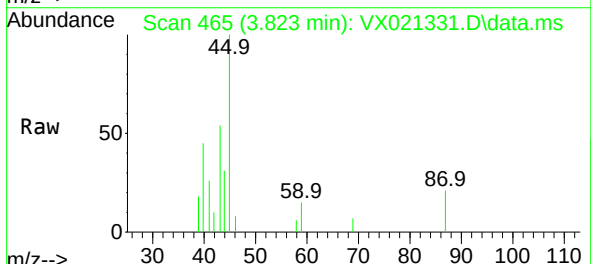
Ion	Ratio	Lower	Upper
84	100		
49	103.9	88.6	132.8
51	34.5	27.0	40.6
86	42.4	50.3	75.5#

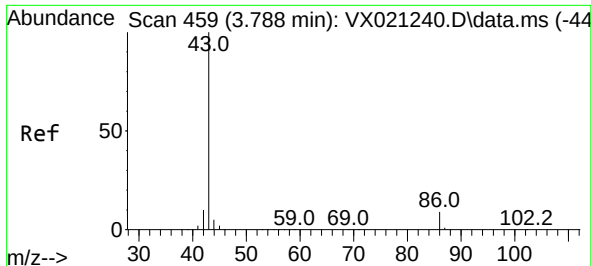


#22
Diisopropyl ether
Concen: 0.85 ug/l
RT: 3.823 min Scan# 465
Delta R.T. -0.006 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 45 Resp: 2625

Ion	Ratio	Lower	Upper
45	100		
43	53.6	58.0	87.0#
87	21.4	25.4	38.0#
59	15.2	10.2	15.2

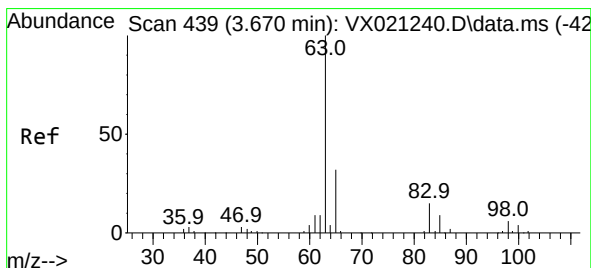
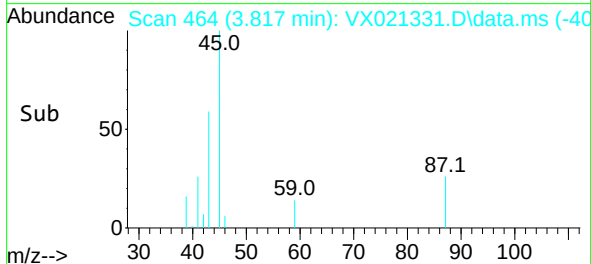
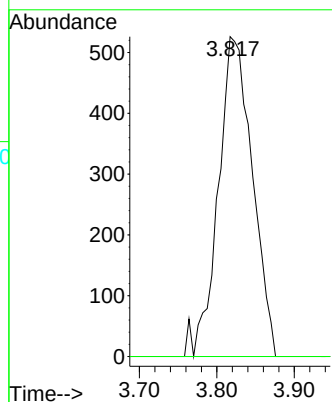
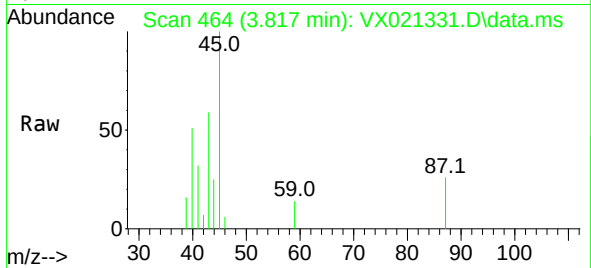




#23
 Vinyl Acetate
 Concen: 0.60 ug/l
 RT: 3.817 min Scan# 464
 Delta R.T. 0.029 min
 Lab File: VX021331.D
 Acq: 20 Mar 2021 07:03

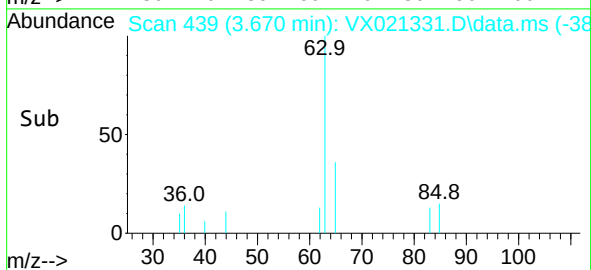
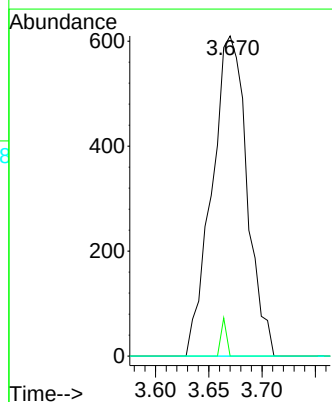
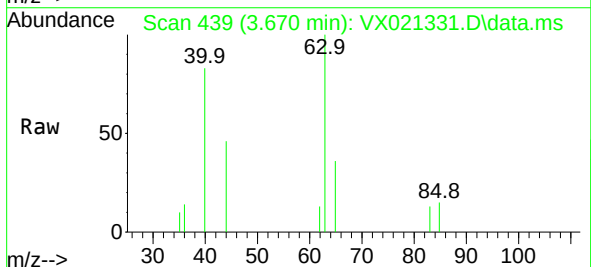
Instrument :
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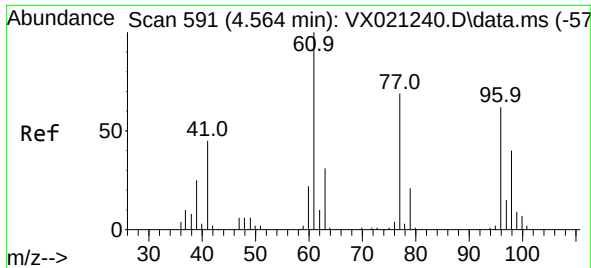
Tgt Ion: 43 Resp: 1617
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#24
 1,1-Dichloroethane
 Concen: 0.84 ug/l
 RT: 3.670 min Scan# 439
 Delta R.T. -0.000 min
 Lab File: VX021331.D
 Acq: 20 Mar 2021 07:03

Tgt Ion: 63 Resp: 1398
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 2.49 ug/l

RT: 4.564 min Scan# 591

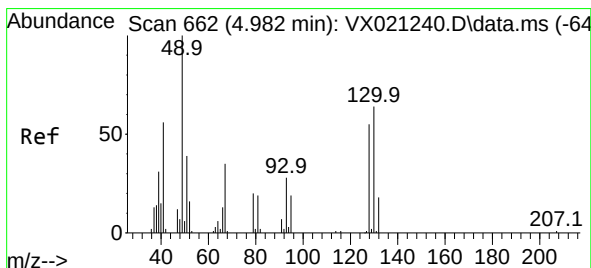
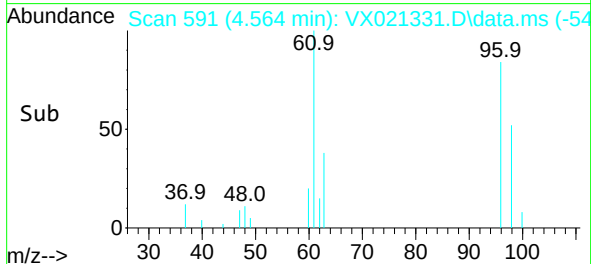
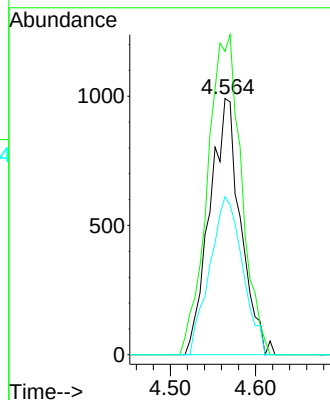
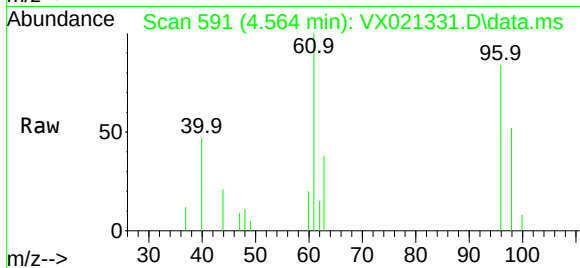
Delta R.T. 0.000 min

Lab File: VX021331.D

Acq: 20 Mar 2021 07:03

Tgt Ion: 96 Resp: 2499

Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	285.6
98	65.4	0.0	129.6



#28

Bromochloromethane

Concen: 0.59 ug/l

RT: 5.176 min Scan# 695

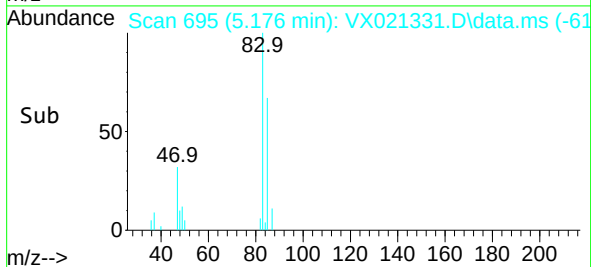
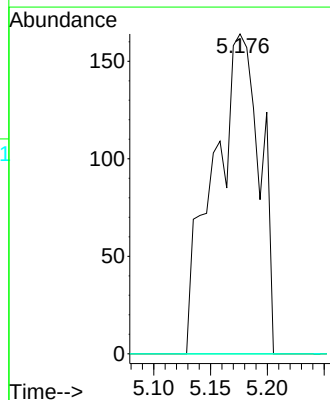
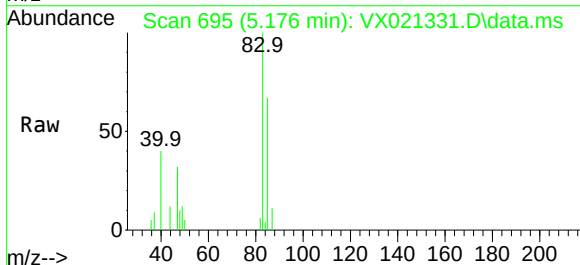
Delta R.T. 0.194 min

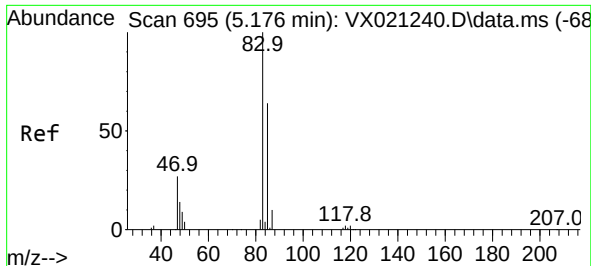
Lab File: VX021331.D

Acq: 20 Mar 2021 07:03

Tgt Ion: 49 Resp: 465

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	0.0	68.2	102.2#

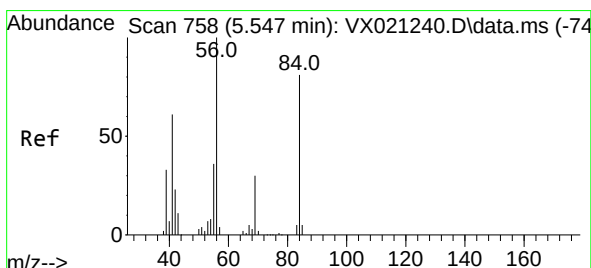
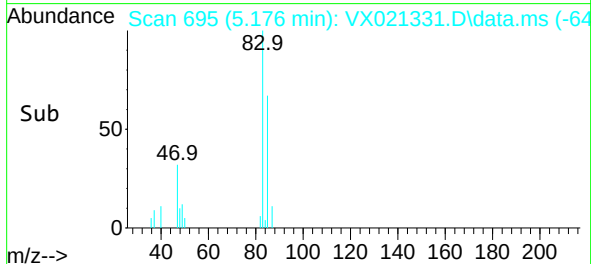
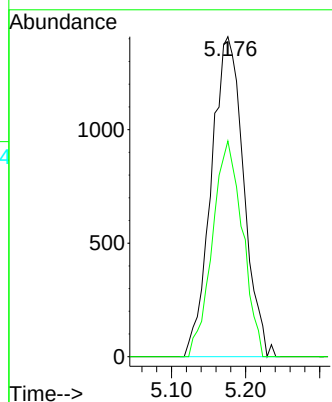
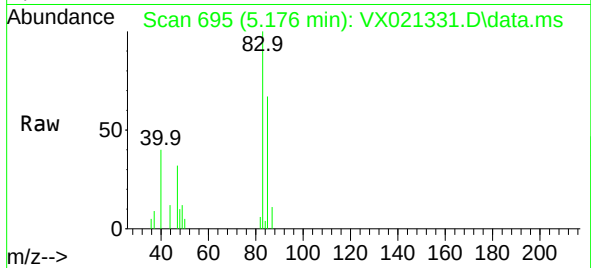




#30
Chloroform
Concen: 2.47 ug/l
RT: 5.176 min Scan# 695
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

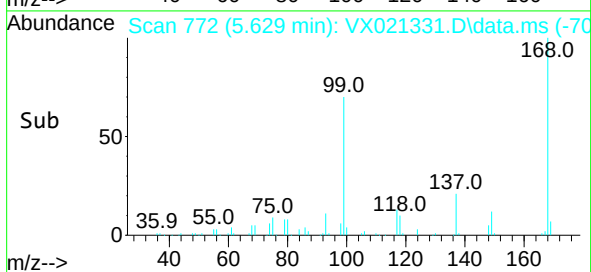
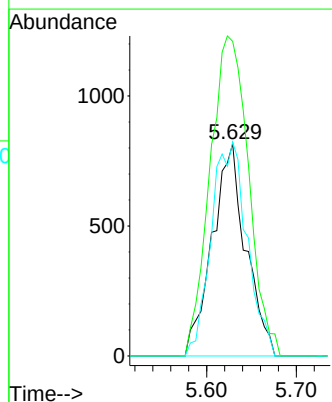
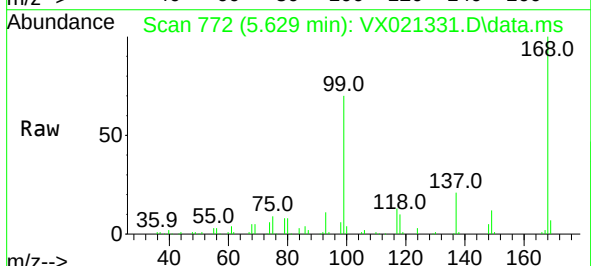
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

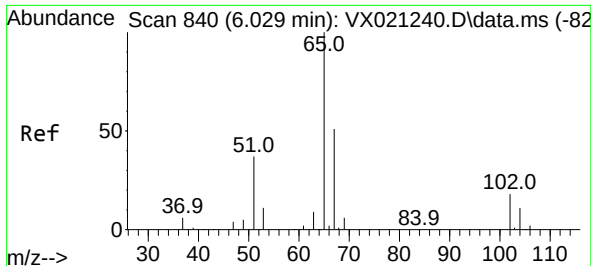
Tgt Ion: 83 Resp: 4287
Ion Ratio Lower Upper
83 100
85 67.4 52.0 78.0



#31
Cyclohexane
Concen: 1.40 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 56 Resp: 2120
Ion Ratio Lower Upper
56 100
69 148.1 25.3 37.9#
84 100.7 71.4 107.0

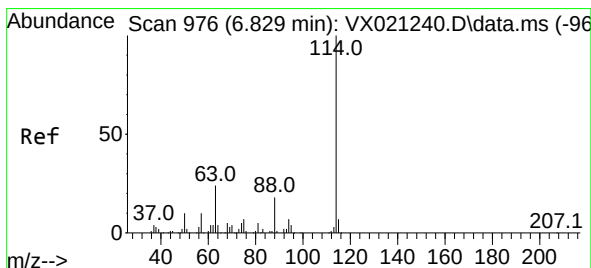
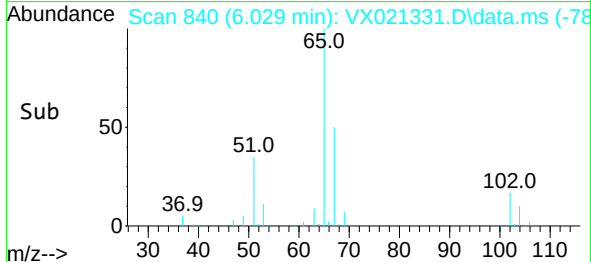
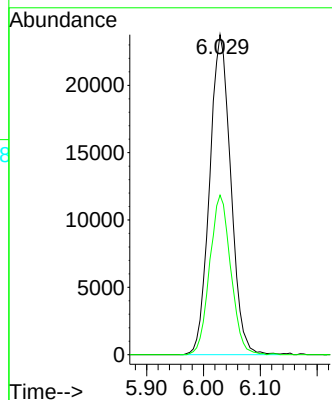
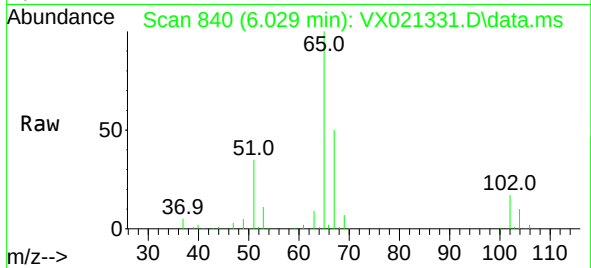




#33
1,2-Dichloroethane-d4
Concen: 48.90 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

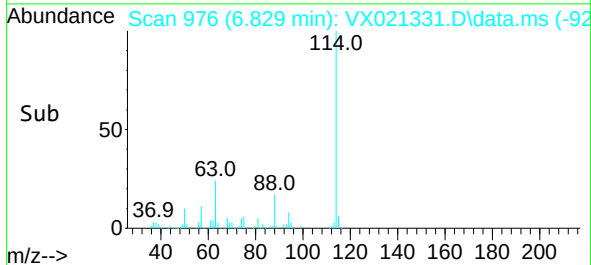
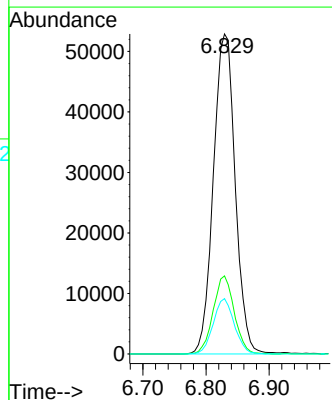
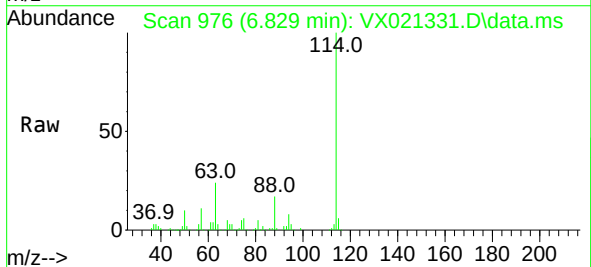
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

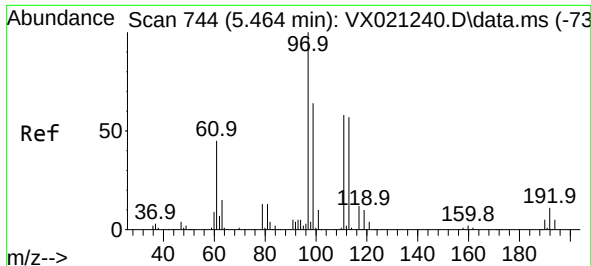
Tgt Ion: 65 Resp: 61458
Ion Ratio Lower Upper
65 100
67 49.5 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 114 Resp: 126963
Ion Ratio Lower Upper
114 100
63 24.4 0.0 40.8
88 17.3 0.0 32.8

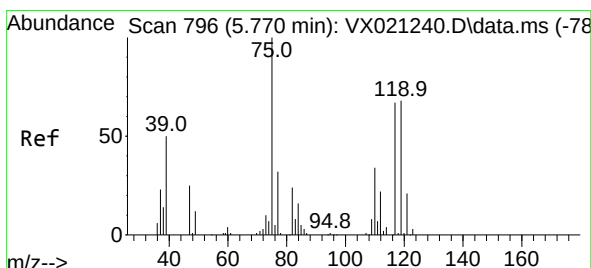
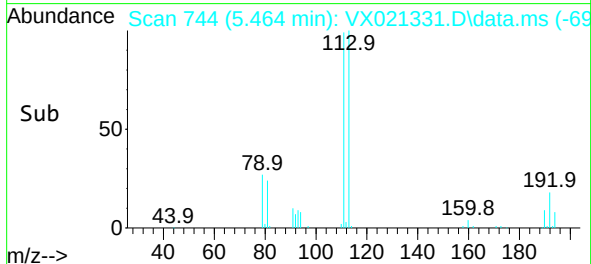
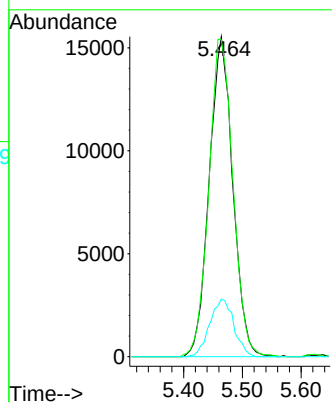
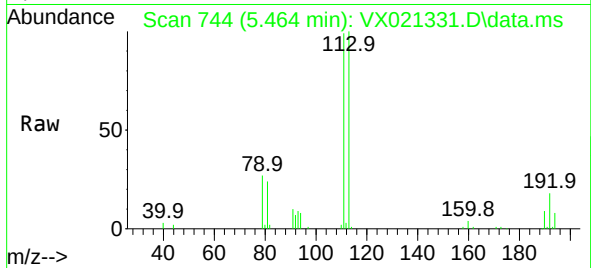




#35
Dibromofluoromethane
Concen: 49.95 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

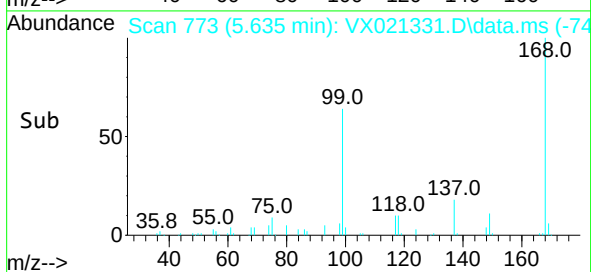
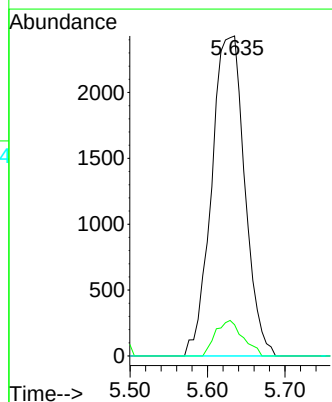
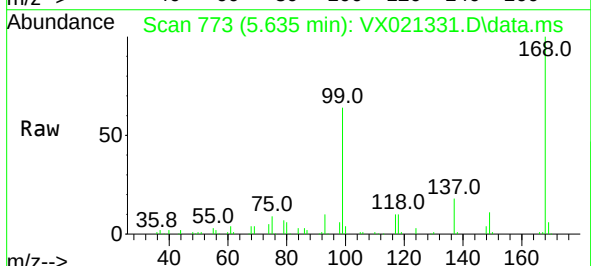
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

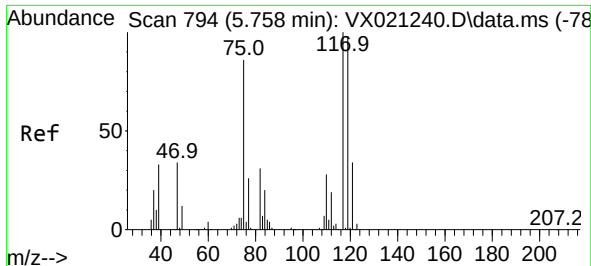
Tgt Ion:113 Resp: 43156
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 18.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.64 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

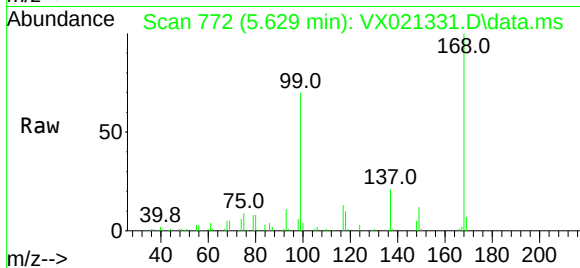
Tgt Ion: 75 Resp: 7215
Ion Ratio Lower Upper
75 100
110 9.2 18.1 54.4#
77 0.0 25.3 37.9#



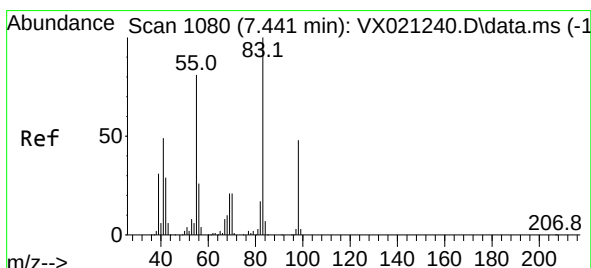
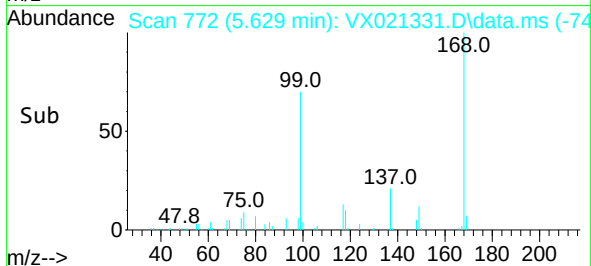
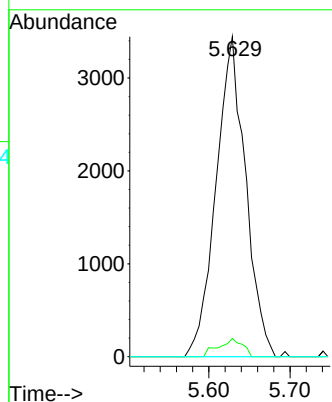


#38
Carbon Tetrachloride
Concen: 6.56 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

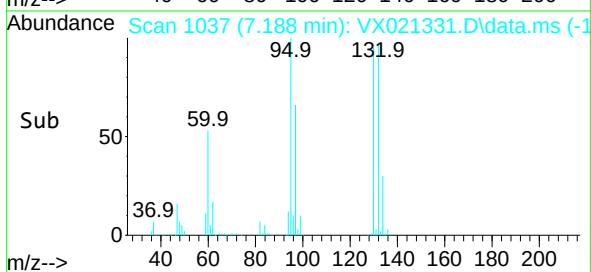
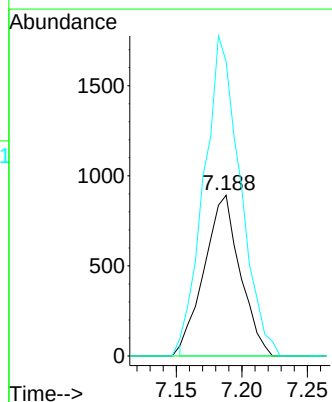
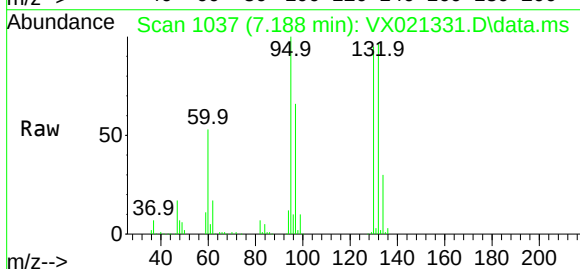


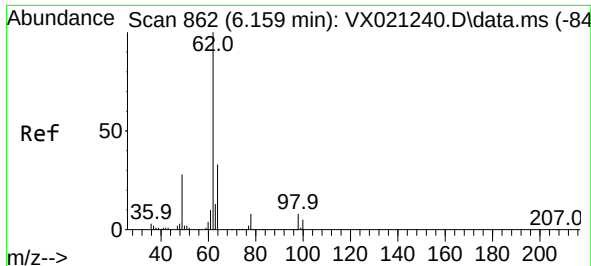
Tgt Ion:117 Resp: 8714
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.19 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

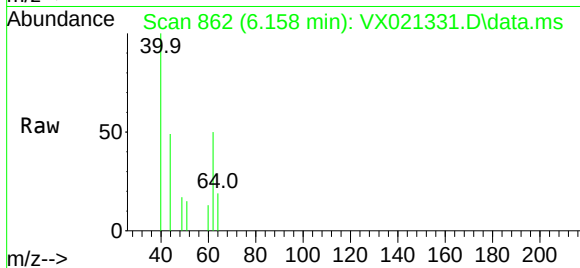
Tgt Ion: 83 Resp: 1694
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 183.3 38.1 57.1#



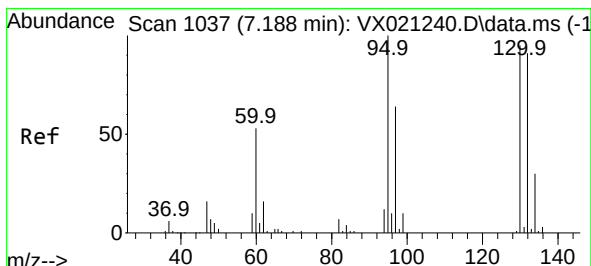
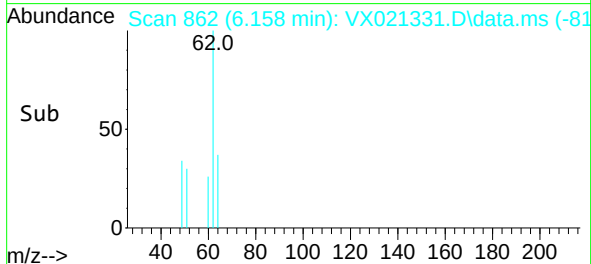
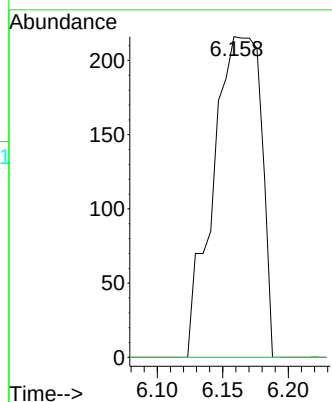


#42
1,2-Dichloroethane
Concen: 0.36 ug/l
RT: 6.158 min Scan# 862
Delta R.T. -0.001 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

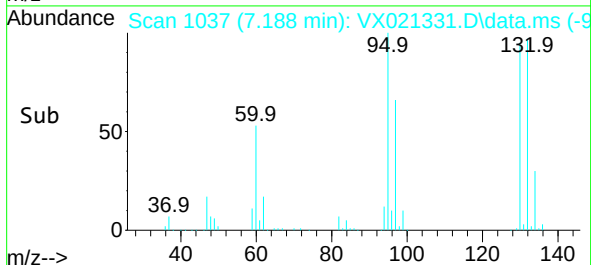
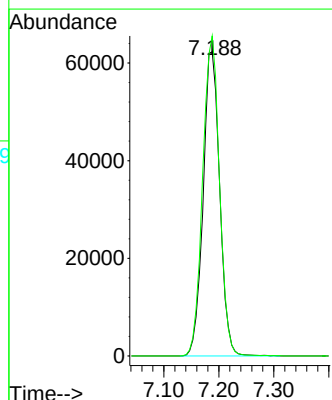
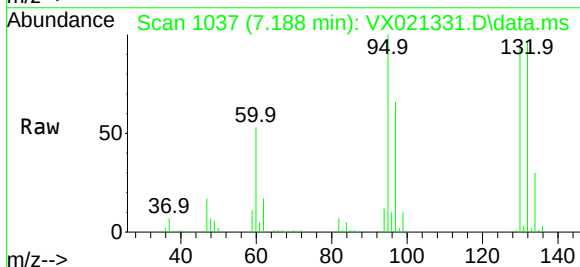


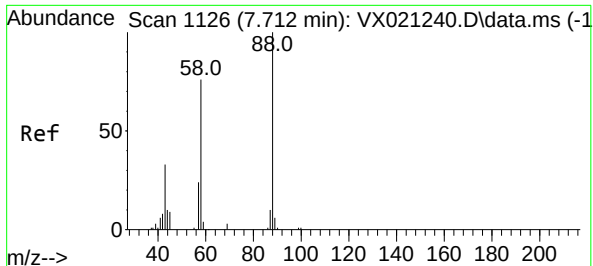
Tgt Ion: 62 Resp: 551
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#44
Trichloroethene
Concen: 139.62 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion:130 Resp: 130746
Ion Ratio Lower Upper
130 100
95 105.2 0.0 198.0

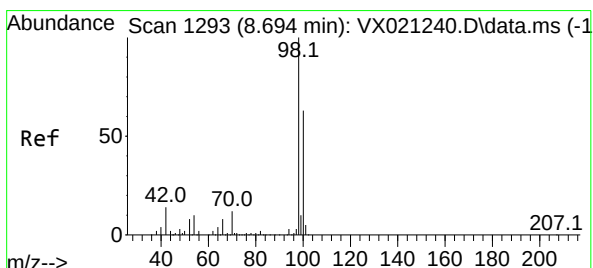
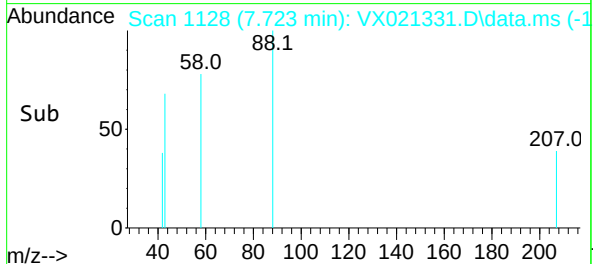
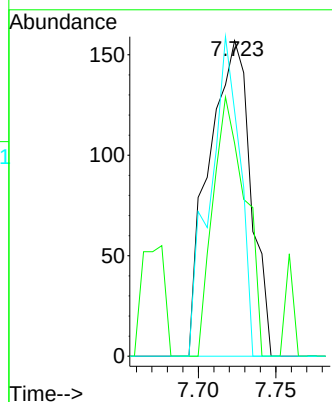
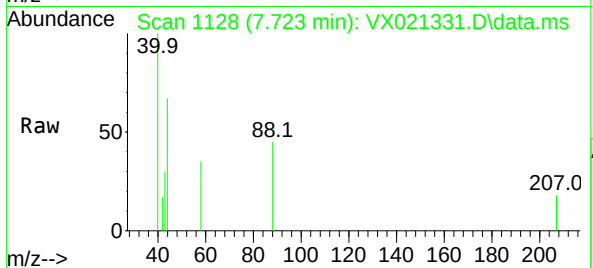




#49
1,4-Dioxane
Concen: 2.27 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

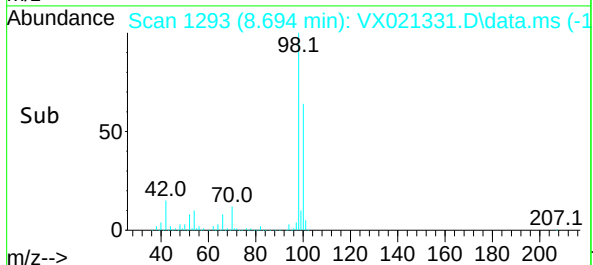
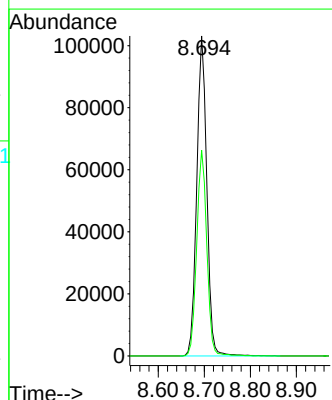
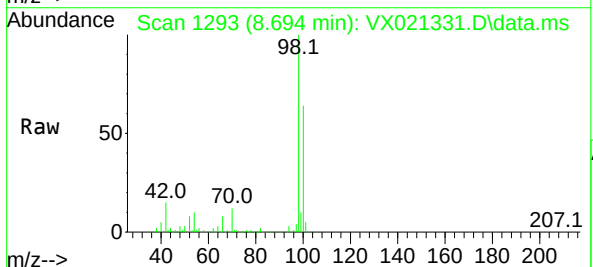
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

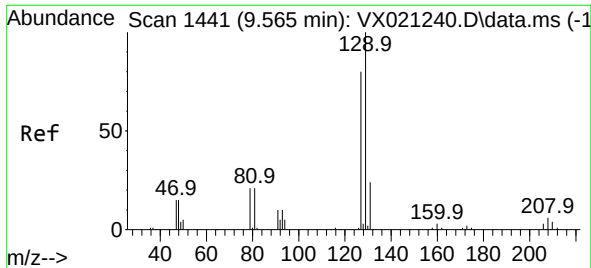
Tgt Ion: 88 Resp: 295
Ion Ratio Lower Upper
88 100
43 63.4 23.2 34.8#
58 72.2 55.0 82.4



#50
Toluene-d8
Concen: 49.79 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 98 Resp: 156084
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

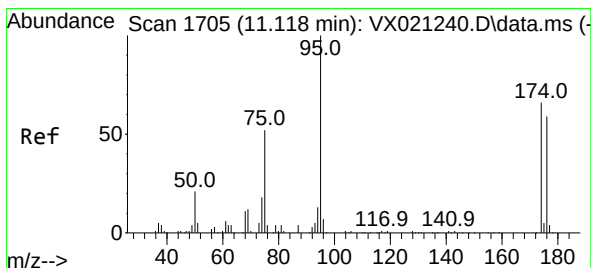
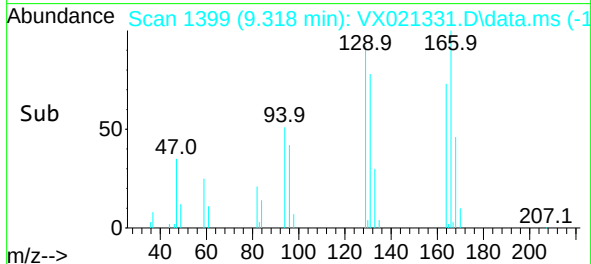
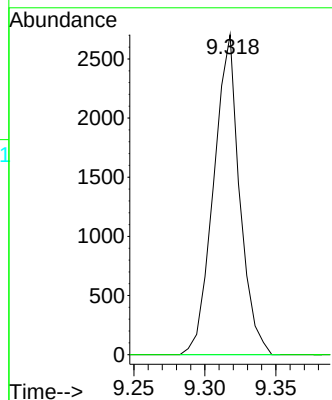
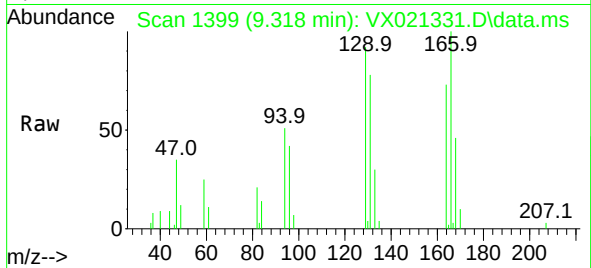




#60
Dibromochloromethane
Concen: 3.39 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

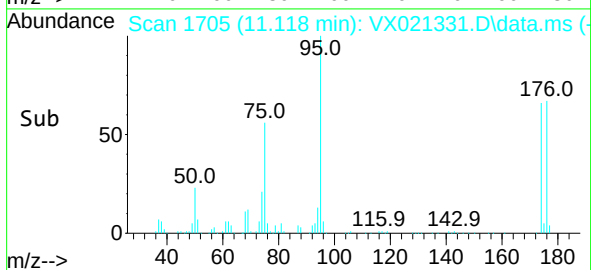
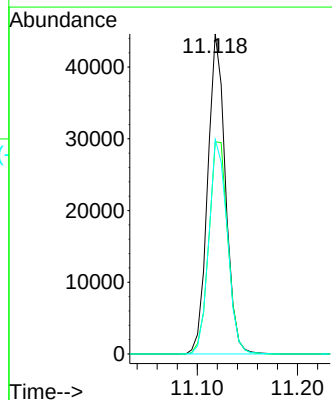
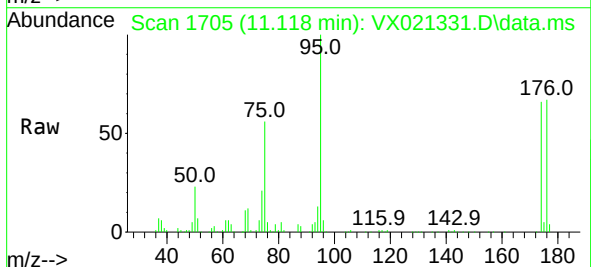
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

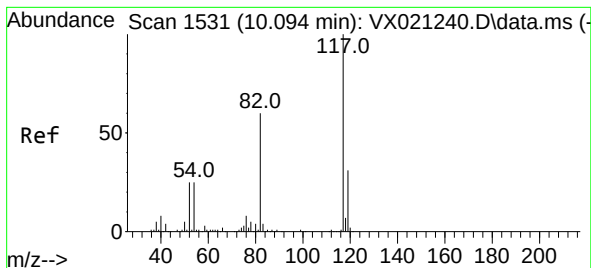
Tgt Ion:129 Resp: 3444
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.06 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 95 Resp: 54849
Ion Ratio Lower Upper
95 100
174 71.1 0.0 154.6
176 69.3 0.0 155.8

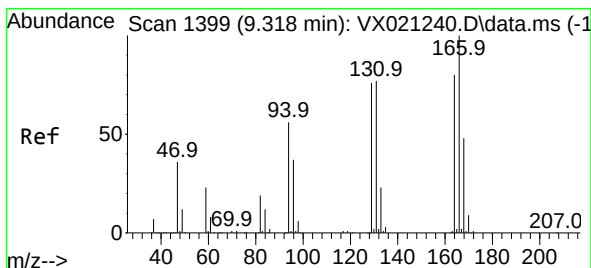
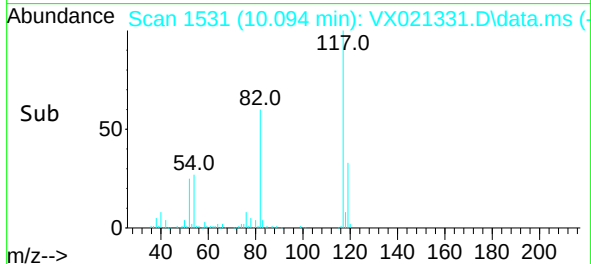
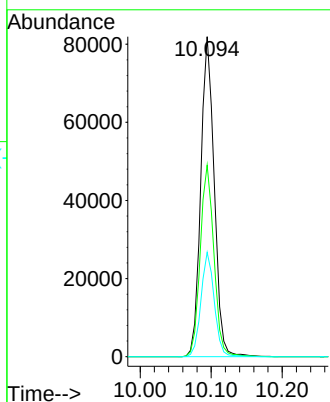
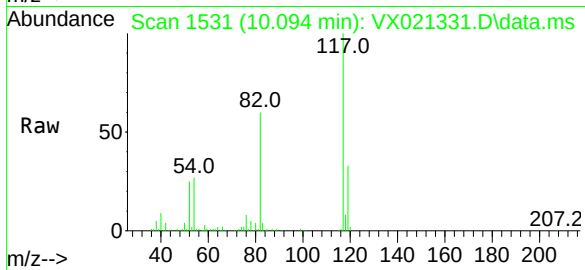




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

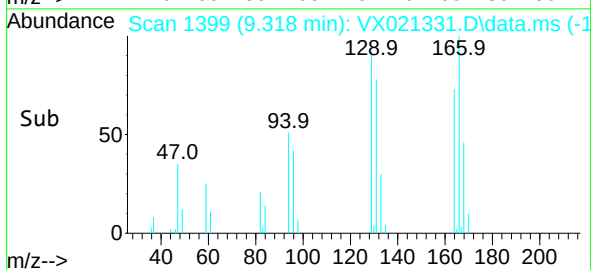
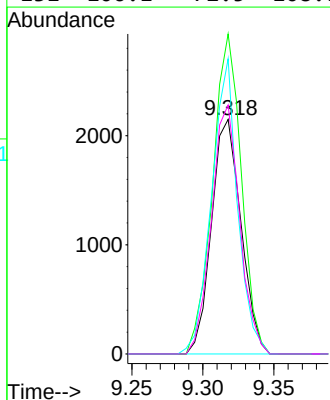
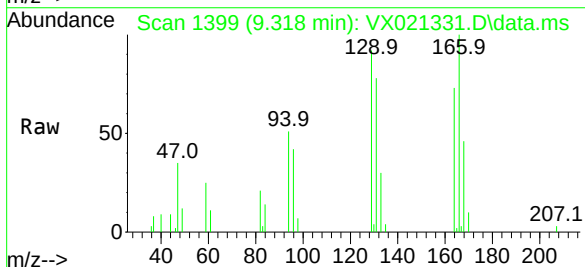
Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

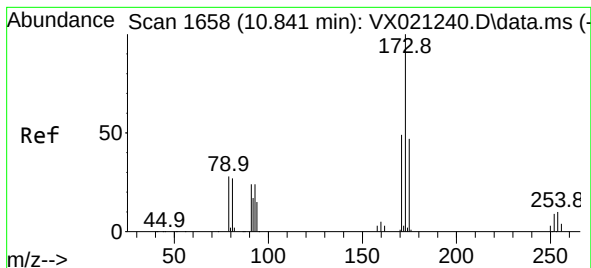
Tgt Ion:117 Resp: 108509
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.6 26.6 39.8



#64
Tetrachloroethene
Concen: 3.82 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion:164 Resp: 3096
Ion Ratio Lower Upper
164 100
166 136.4 103.4 155.2
129 125.9 70.8 106.2#
131 106.1 72.5 108.7





#71

Bromoform

Concen: 0.20 ug/l

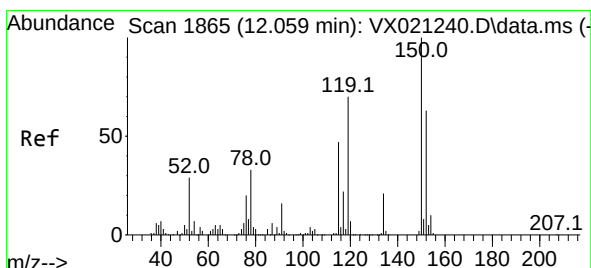
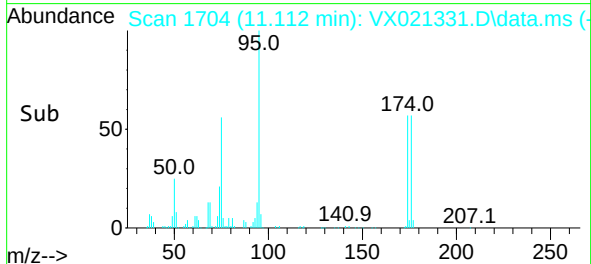
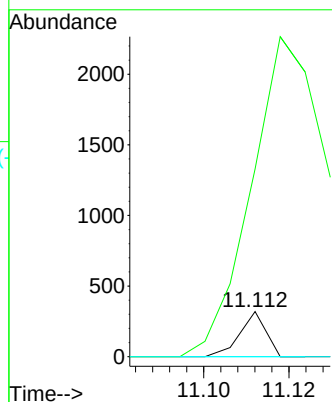
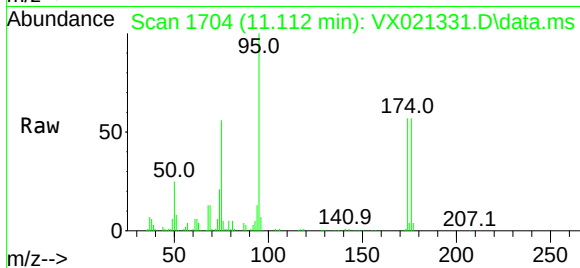
RT: 11.112 min Scan# 1704

Delta R.T. 0.271 min

Lab File: VX021331.D

Acq: 20 Mar 2021 07:03

Tgt Ion:	173	Resp:	136
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: 50.00 ug/l

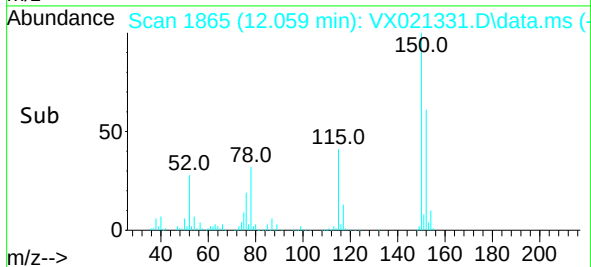
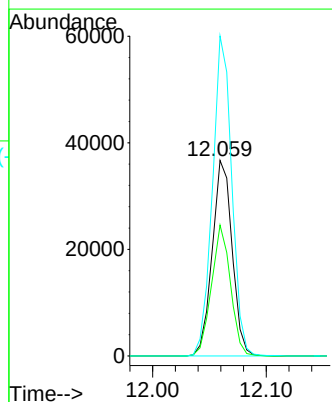
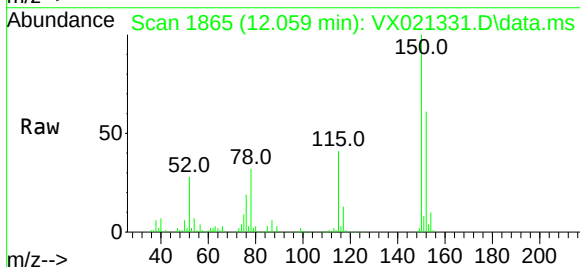
RT: 12.059 min Scan# 1865

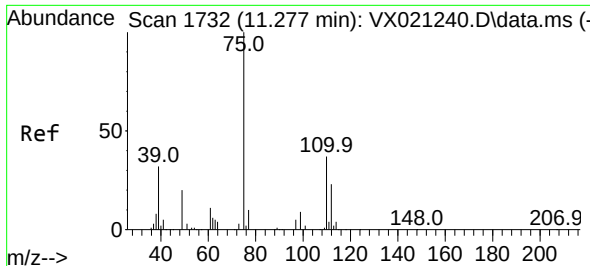
Delta R.T. 0.000 min

Lab File: VX021331.D

Acq: 20 Mar 2021 07:03

Tgt Ion:	152	Resp:	44675
Ion Ratio	Lower	Upper	
152	100		
115	63.9	41.1	123.3
150	158.8	0.0	349.0

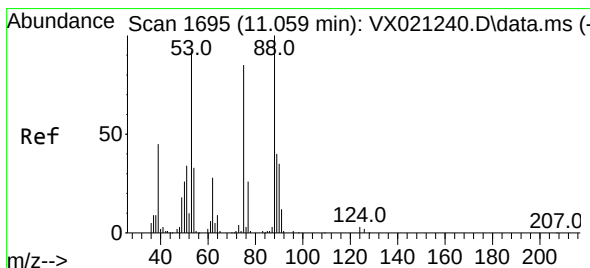
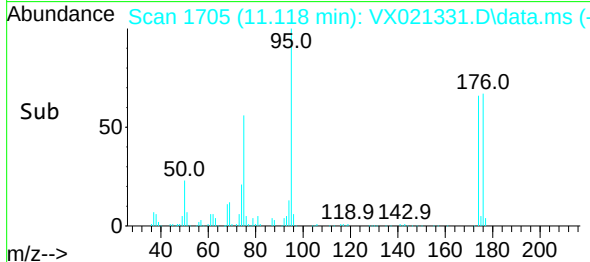
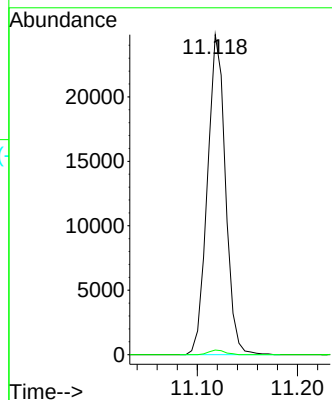
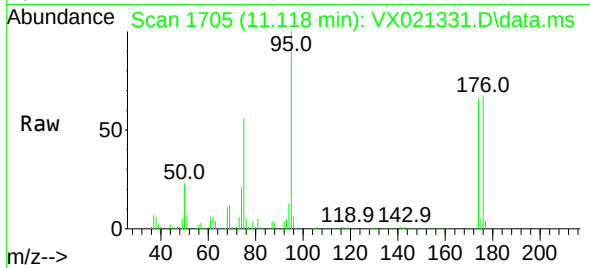




#76
1,2,3-Trichloropropane
Concen: 29.94 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D1-20210316

Tgt Ion: 75 Resp: 31029
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.29 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021331.D
Acq: 20 Mar 2021 07:03

Tgt Ion: 75 Resp: 31029
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

