

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066622.D
 Acq On : 15 Apr 2021 19:29
 Operator : JC/MD
 Sample : M2043-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

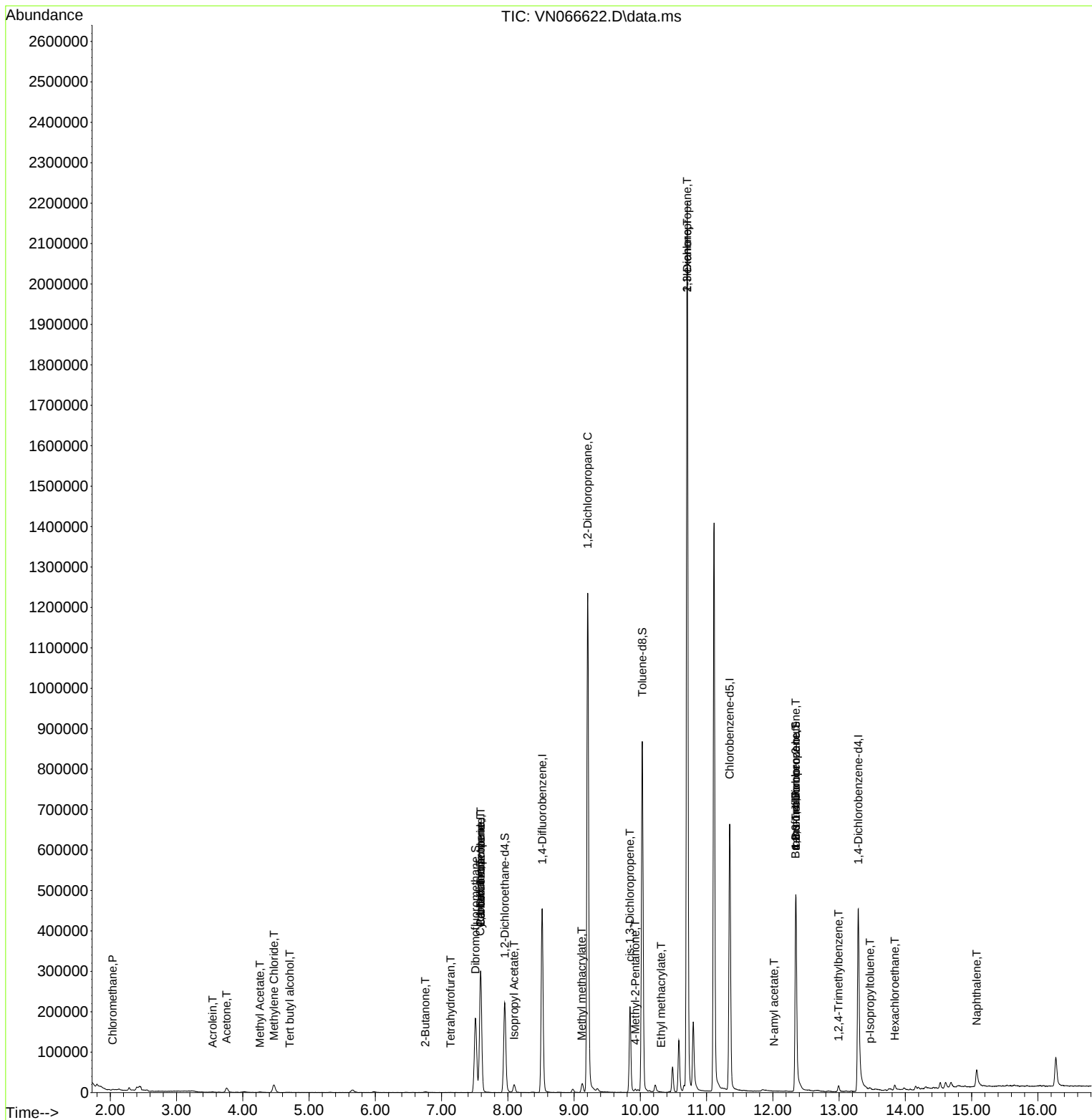
Quant Time: Apr 16 07:54:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

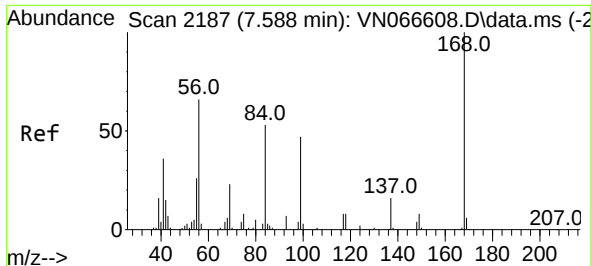
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.591	168	251628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	402623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	386528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	152189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	190074	50.07	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.14%			
35) Dibromofluoromethane	7.511	113	145404	52.08	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.16%			
50) Toluene-d8	10.029	98	595296	54.40	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.80%			
62) 4-Bromofluorobenzene	12.346	95	195169	50.72	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.44%			
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1448	0.32	ug/l	97
11) Tert butyl alcohol	4.708	59	594	0.97	ug/l #	73
13) Acrolein	3.544	56	426	1.31	ug/l #	1
16) Acetone	3.756	43	19176	5.83	ug/l	95
18) Methyl Acetate	4.257	43	1893	0.46	ug/l #	69
20) Methylene Chloride	4.472	84	13785	3.84	ug/l	94
25) 2-Butanone	6.754	43	1810	0.81	ug/l	91
29) Tetrahydrofuran	7.138	42	341	0.23	ug/l #	32
31) Cyclohexane	7.583	56	5233	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	19444	4.79	ug/l #	47
38) Carbon Tetrachloride	7.591	117	22687	5.97	ug/l #	17
43) Isopropyl Acetate	8.095	43	24477	3.18	ug/l #	86
45) 1,2-Dichloropropane	9.206	63	1520	0.42	ug/l #	44
48) Methyl methacrylate	9.114	41	6287	1.82	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	5245	1.16	ug/l	98
54) cis-1,3-Dichloropropene	9.844	75	38592	7.28	ug/l #	65
56) Ethyl methacrylate	10.316	69	76	0.91	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	21631	4.08	ug/l #	43
59) 2-Hexanone	10.708	43	330055	105.29	ug/l #	48
71) Bromoform	12.344	173	1092	0.47	ug/l #	1
74) N-amyl acetate	12.019	43	144	9.76	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	96752	27.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	96752	83.77	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.990	105	9897	1.07	ug/l	99
86) p-Isopropyltoluene	13.467	119	2506	0.27	ug/l	84
88) 1,4-Dichlorobenzene	13.312	146	49	Below Cal	#	1
90) Hexachloroethane	13.840	117	936	0.46	ug/l #	12
95) Naphthalene	15.076	128	47922	6.17	ug/l	99

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

Quant Time: Apr 16 07:54:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

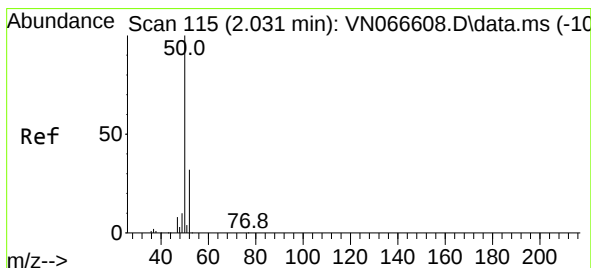
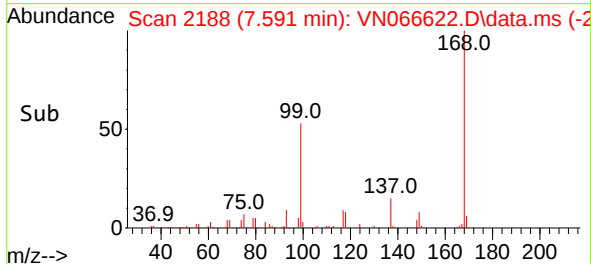
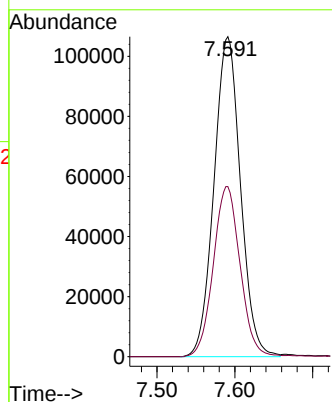
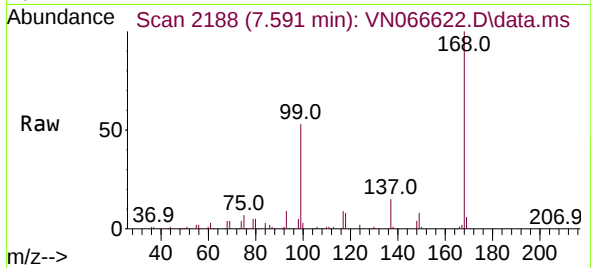




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

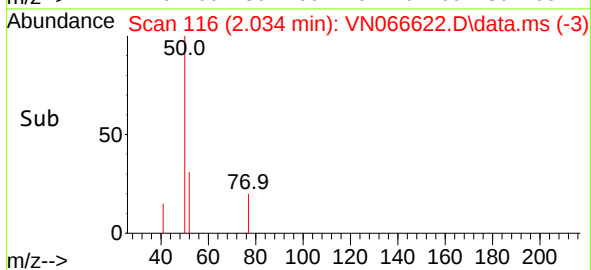
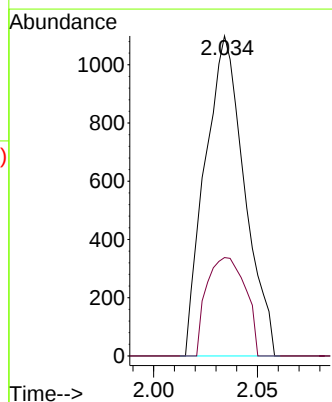
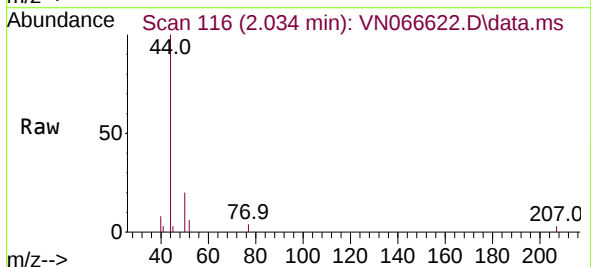
Instrument :
MSVOA_N
ClientSampleId :

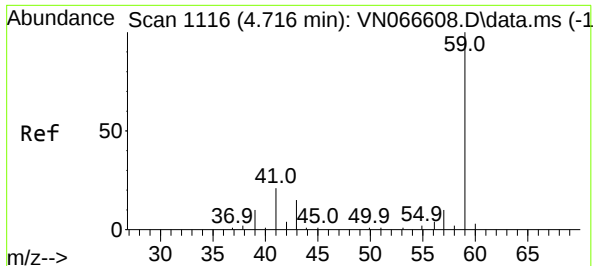
Tgt Ion:168 Resp: 251628
Ion Ratio Lower Upper
168 100
99 53.1 42.6 63.8



#3
Chloromethane
Concen: 0.32 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 50 Resp: 1448
Ion Ratio Lower Upper
50 100
52 30.8 25.8 38.8

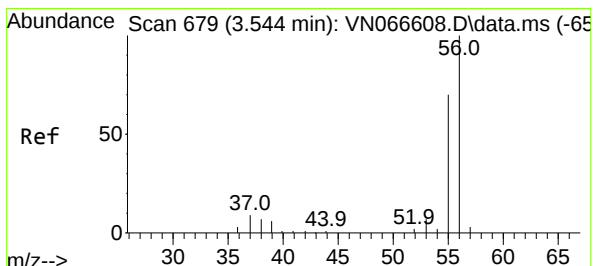
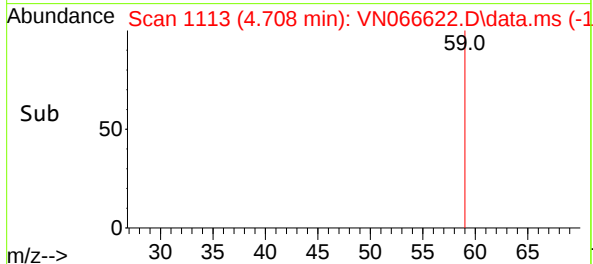
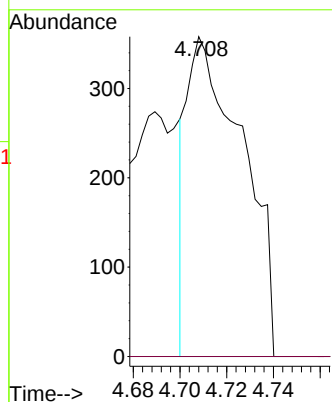
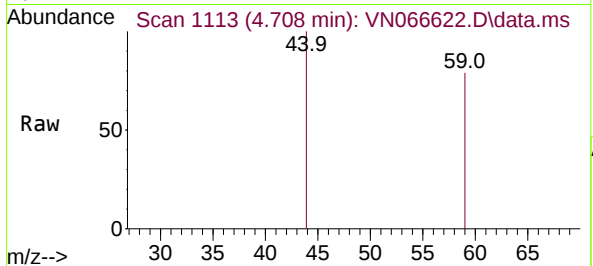




#11
Tert butyl alcohol
Concen: 0.97 ug/l
RT: 4.708 min Scan# 1113
Delta R.T. -0.008 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

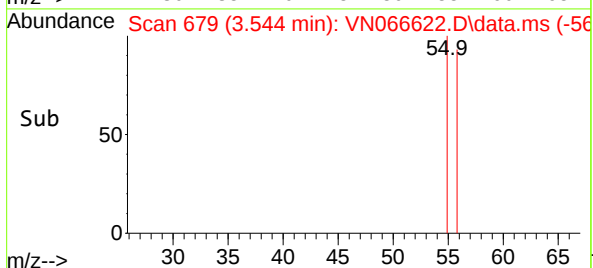
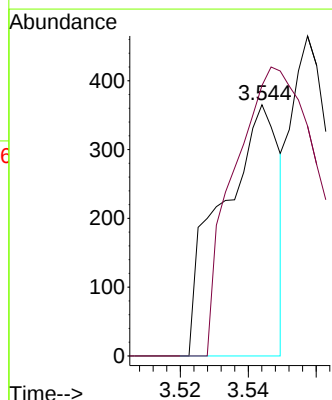
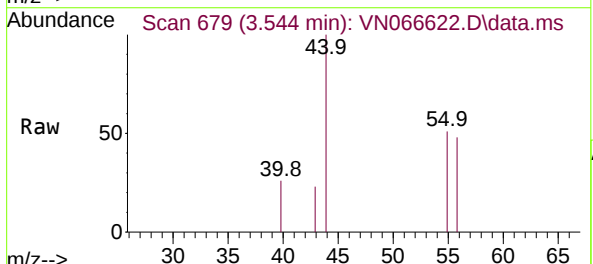
Instrument :
MSVOA_N
ClientSampled :

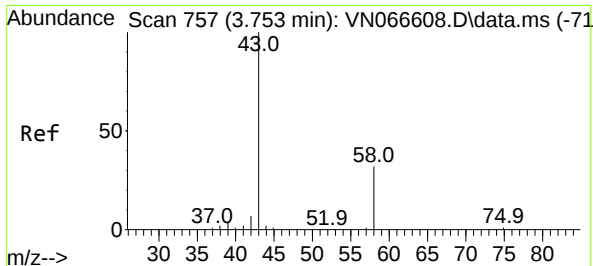
Tgt Ion: 59 Resp: 594
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.31 ug/l
RT: 3.544 min Scan# 679
Delta R.T. 0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 56 Resp: 426
Ion Ratio Lower Upper
56 100
55 171.6 56.0 84.0#

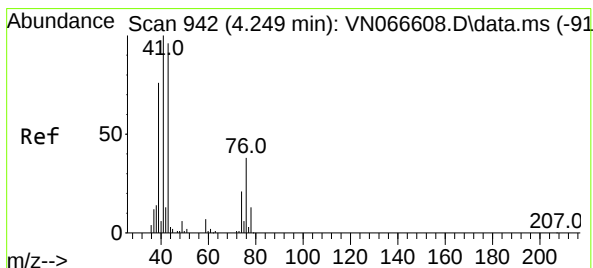
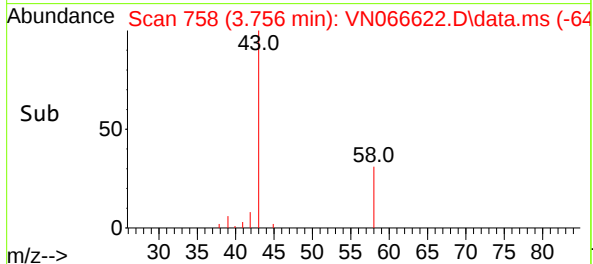
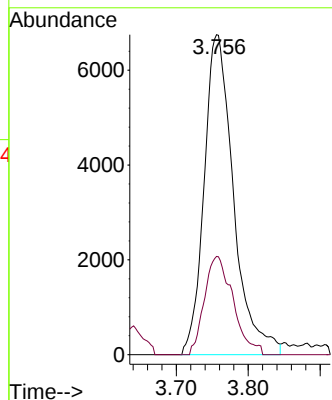
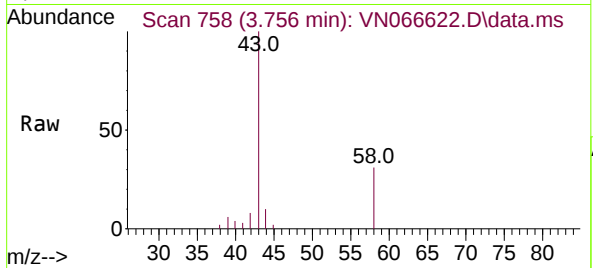




#16
Acetone
Concen: 5.83 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

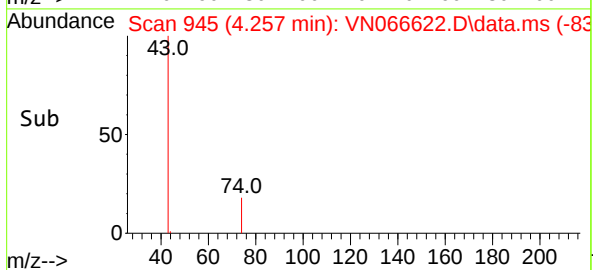
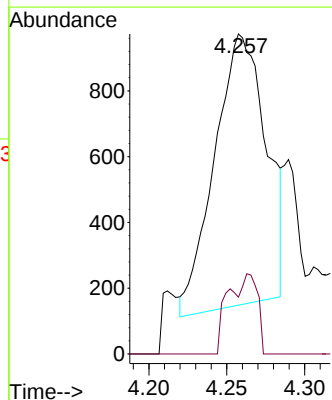
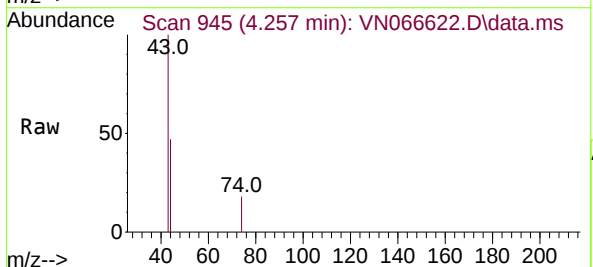
Instrument :
MSVOA_N
ClientSampled :

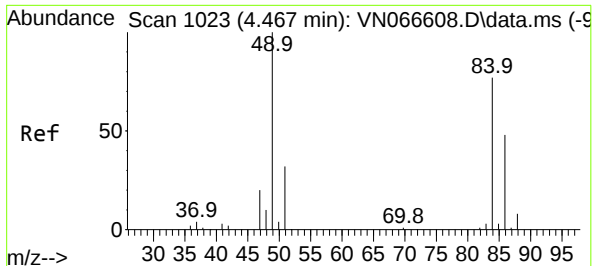
Tgt Ion: 43 Resp: 19176
Ion Ratio Lower Upper
43 100
58 30.7 27.0 40.6



#18
Methyl Acetate
Concen: 0.46 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 43 Resp: 1893
Ion Ratio Lower Upper
43 100
74 9.1 19.5 29.3#





#20

Methylene Chloride

Concen: 3.84 ug/l

RT: 4.472 min Scan# 1025

Delta R.T. 0.005 min

Lab File: VN066622.D

Acq: 15 Apr 2021 19:29

Tgt Ion: 84 Resp: 13785

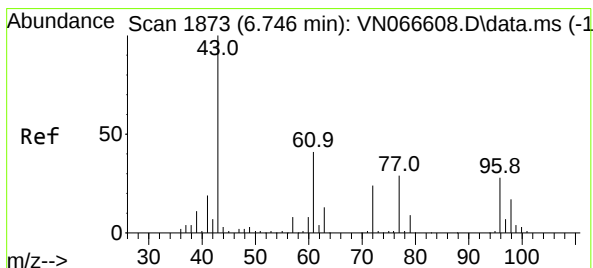
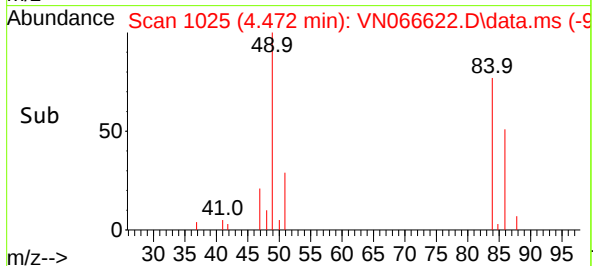
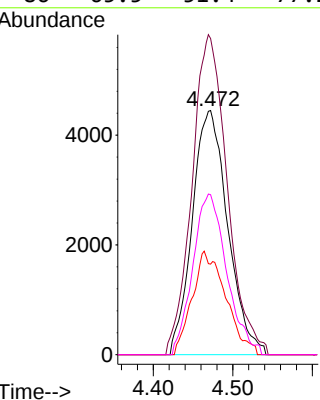
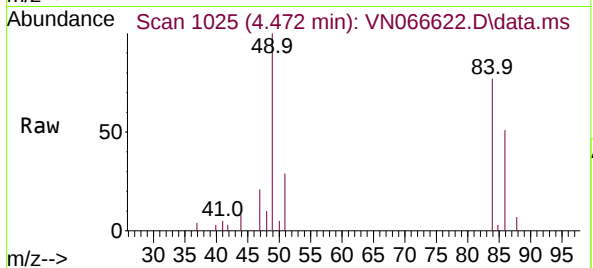
Ion Ratio Lower Upper

84 100

49 129.5 94.6 141.8

51 37.1 29.9 44.9

86 65.5 51.4 77.2



#25

2-Butanone

Concen: 0.81 ug/l

RT: 6.754 min Scan# 1876

Delta R.T. 0.008 min

Lab File: VN066622.D

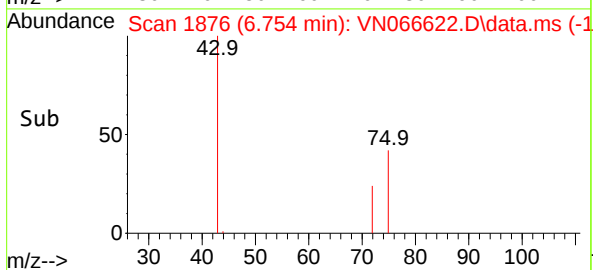
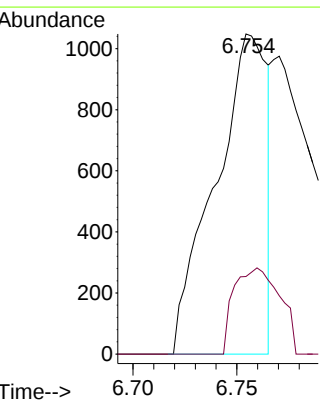
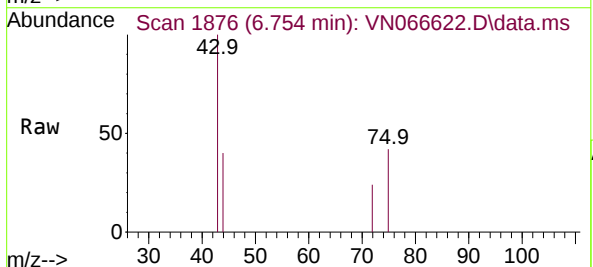
Acq: 15 Apr 2021 19:29

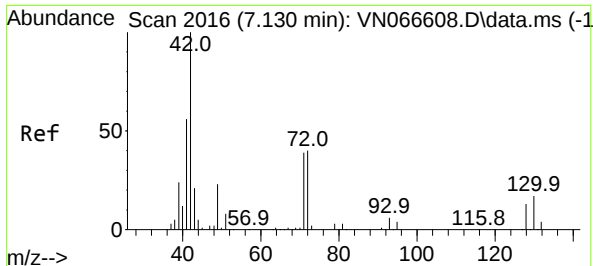
Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

43 100

72 24.2 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.138 min Scan# 2019

Delta R.T. 0.008 min

Lab File: VN066622.D

Acq: 15 Apr 2021 19:29

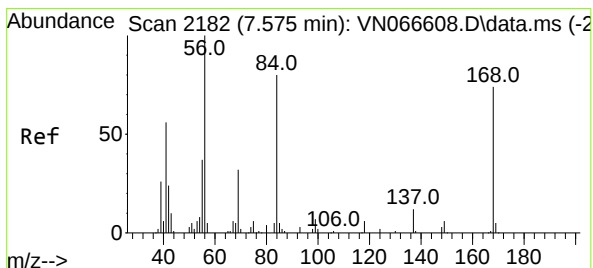
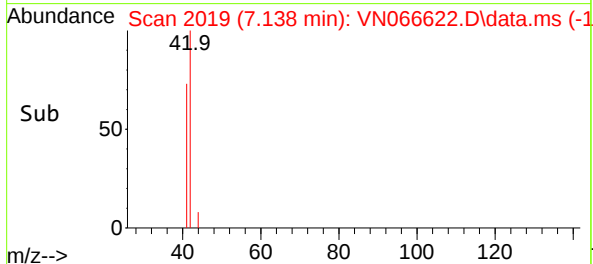
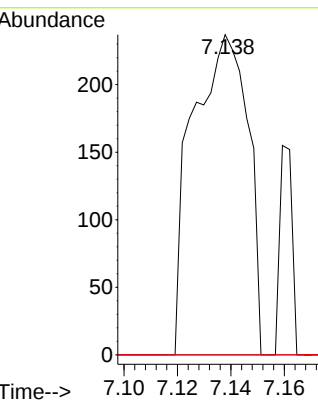
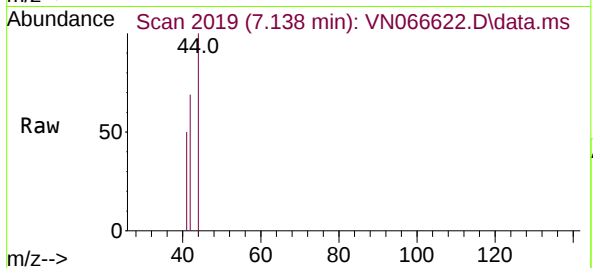
Tgt Ion: 42 Resp: 341

Ion Ratio Lower Upper

42 100

72 0.0 36.6 55.0#

71 0.0 34.3 51.5#



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 7.583 min Scan# 2185

Delta R.T. 0.008 min

Lab File: VN066622.D

Acq: 15 Apr 2021 19:29

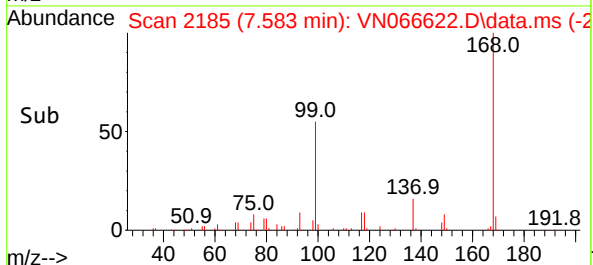
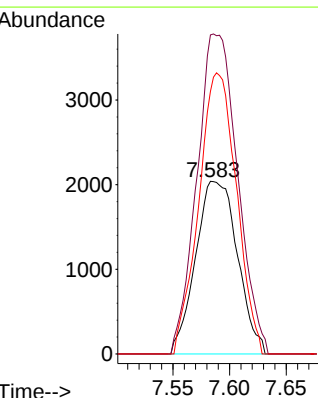
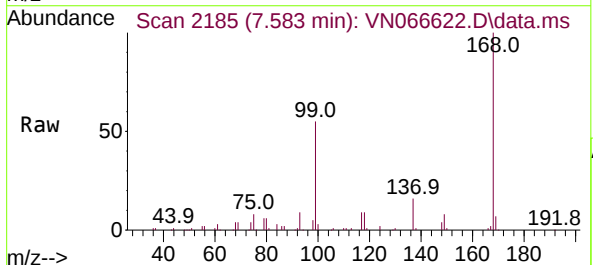
Tgt Ion: 56 Resp: 5233

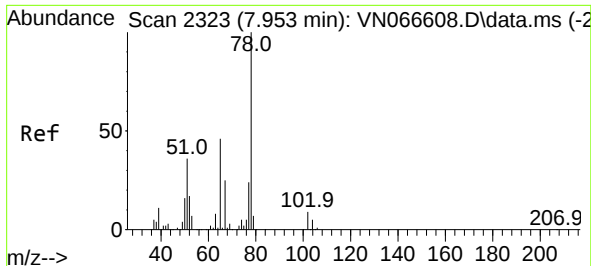
Ion Ratio Lower Upper

56 100

69 184.8 26.6 39.8#

84 152.1 70.4 105.6#

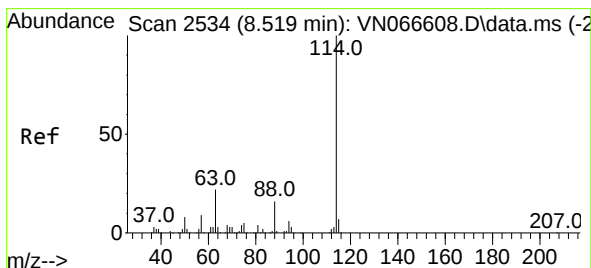
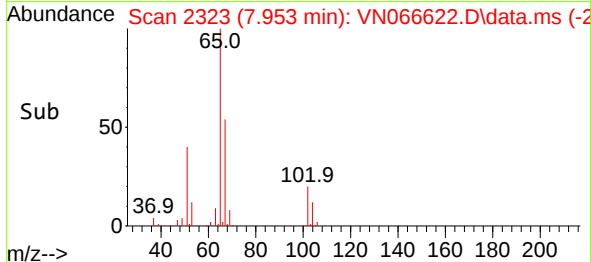
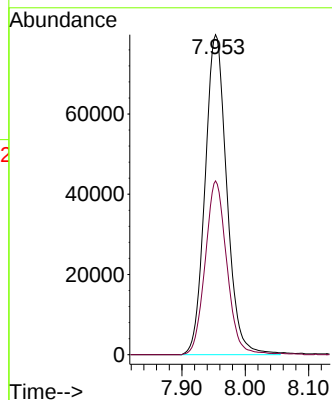
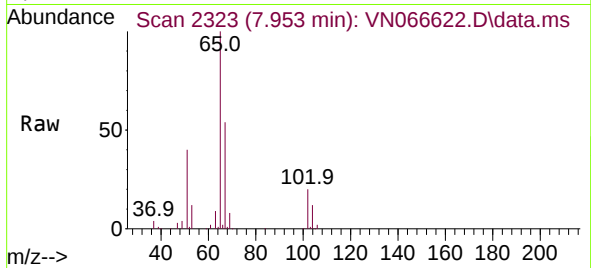




#33
 1,2-Dichloroethane-d4
 Concen: 50.07 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066622.D
 Acq: 15 Apr 2021 19:29

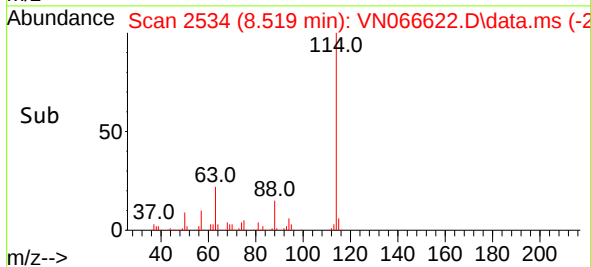
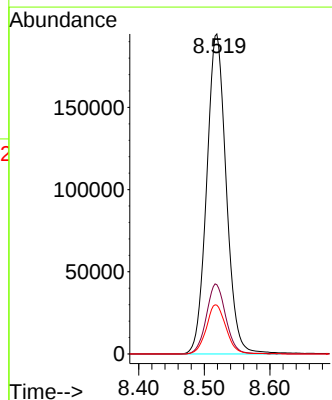
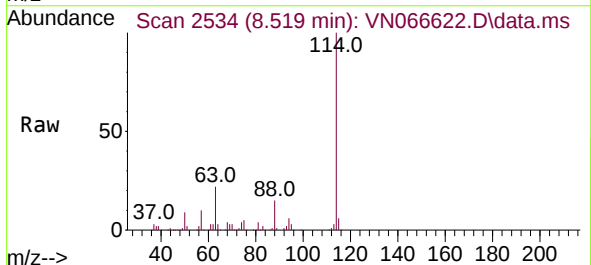
Instrument :
 MSVOA_N
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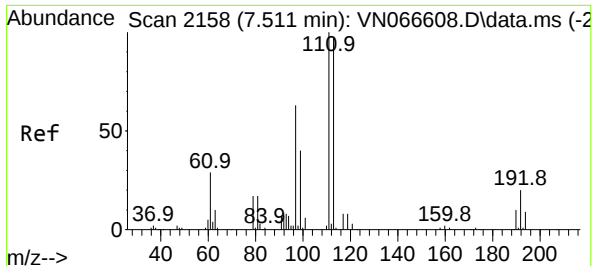
Tgt Ion: 65 Resp: 190074
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.000 min
 Lab File: VN066622.D
 Acq: 15 Apr 2021 19:29

Tgt Ion: 114 Resp: 402623
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.6
 88 15.2 0.0 30.6

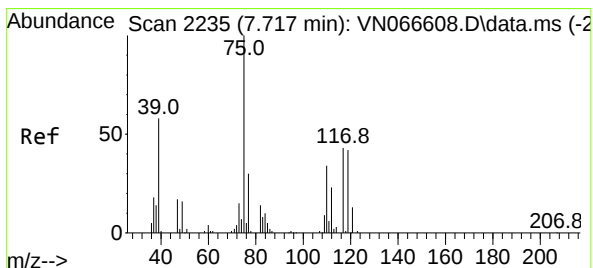
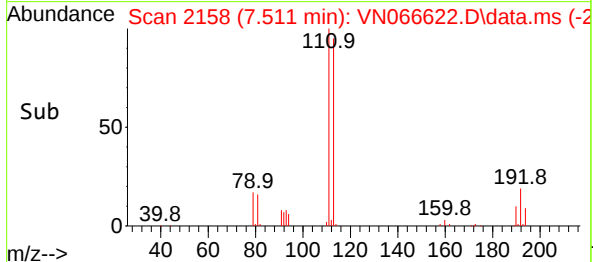
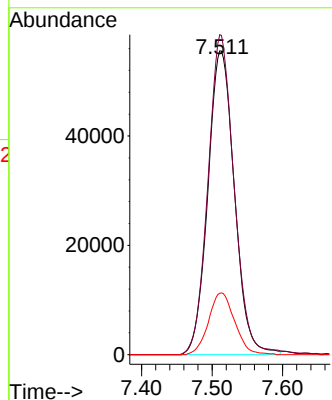
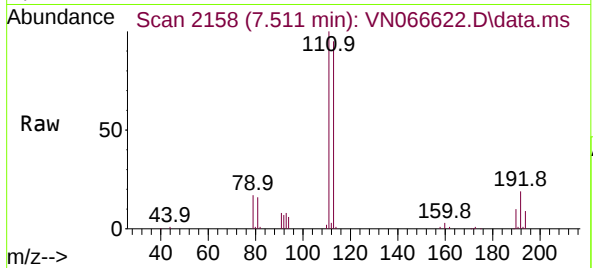




#35
Dibromofluoromethane
Concen: 52.08 ug/l
RT: 7.511 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

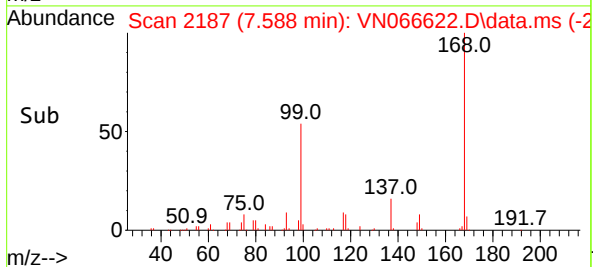
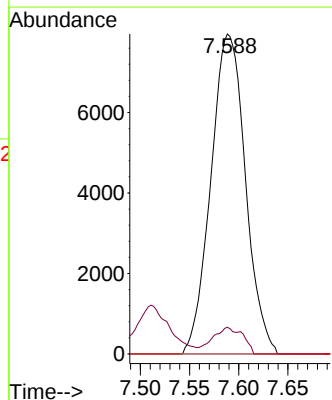
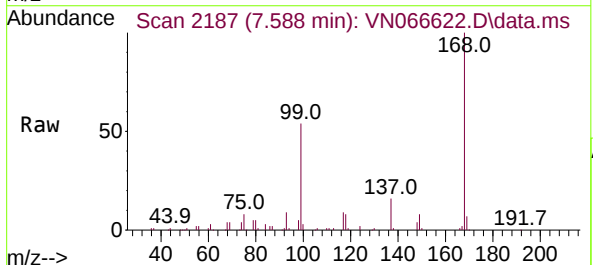
Instrument :
MSVOA_N
ClientSampled :

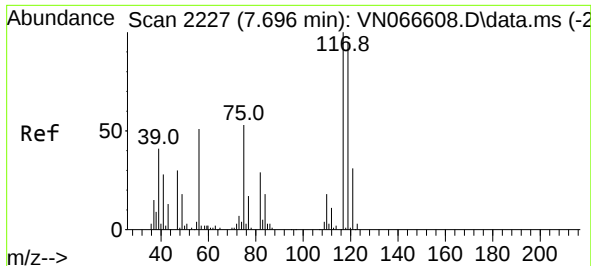
Tgt Ion: 113 Resp: 145404
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 20.1 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.79 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 75 Resp: 19444
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#

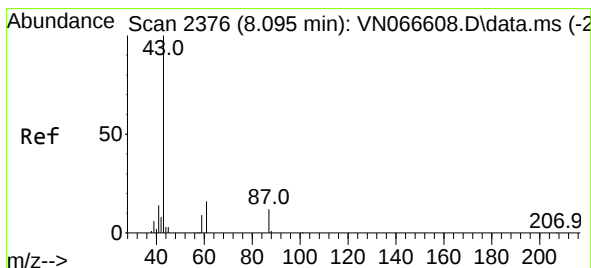
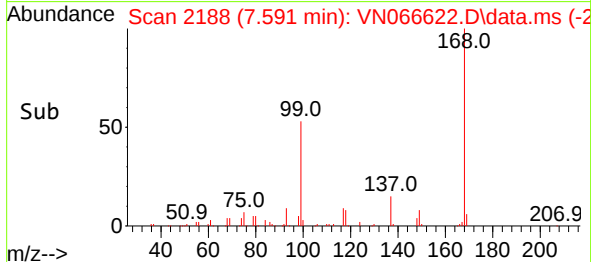
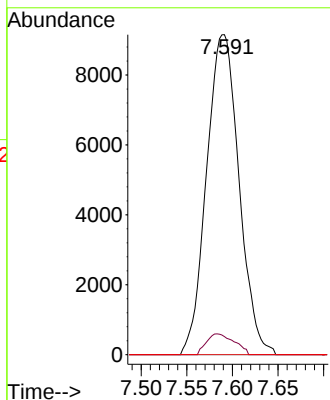
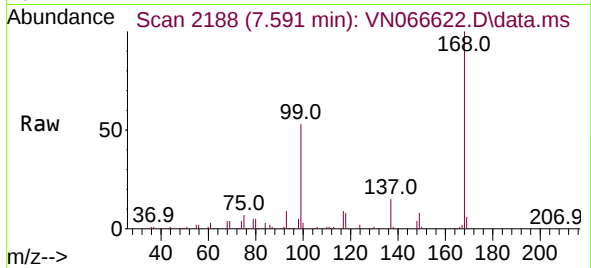




#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

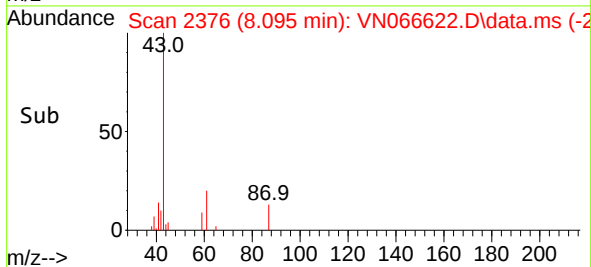
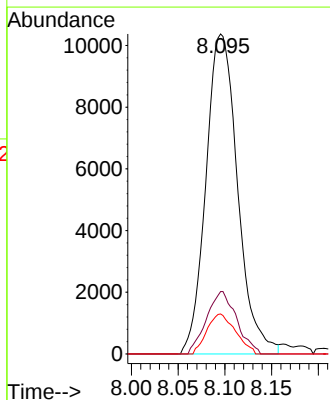
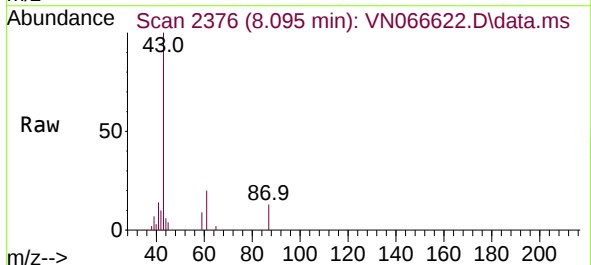
Instrument :
MSVOA_N
ClientSampleId :

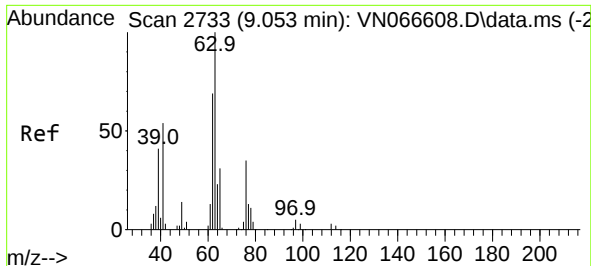
Tgt Ion: 117 Resp: 22687
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 3.18 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 43 Resp: 24477
Ion Ratio Lower Upper
43 100
61 18.6 22.5 33.7#
87 11.3 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.42 ug/l

RT: 9.206 min Scan# 2790

Delta R.T. 0.153 min

Lab File: VN066622.D

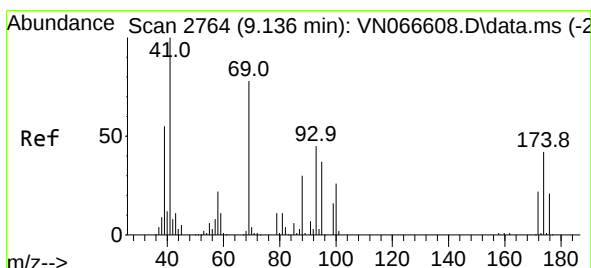
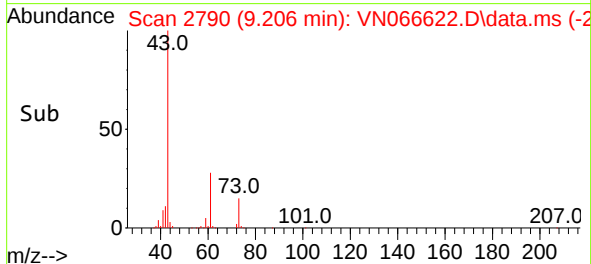
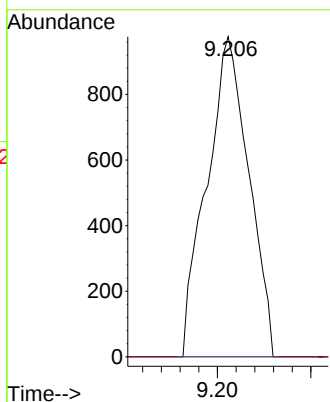
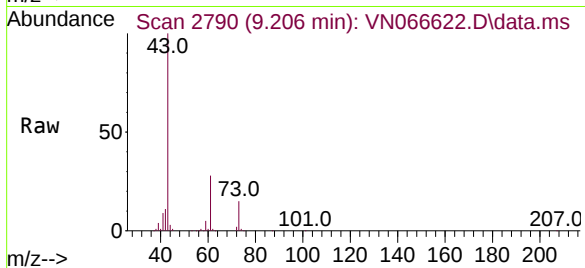
Acq: 15 Apr 2021 19:29

Tgt Ion: 63 Resp: 1520

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.82 ug/l

RT: 9.114 min Scan# 2756

Delta R.T. -0.022 min

Lab File: VN066622.D

Acq: 15 Apr 2021 19:29

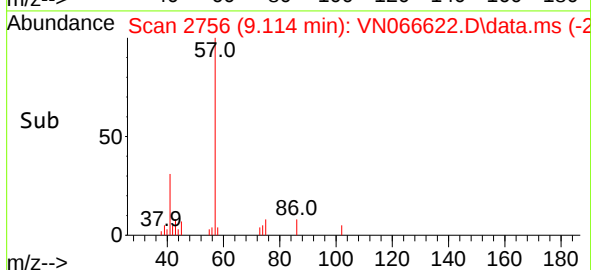
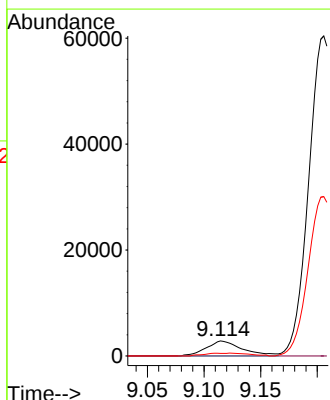
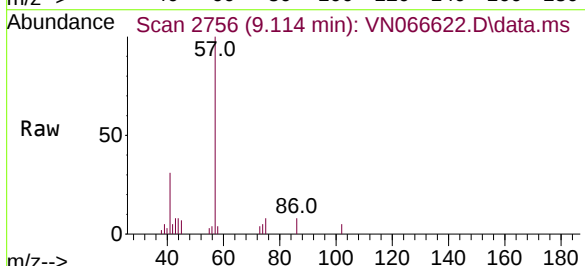
Tgt Ion: 41 Resp: 6287

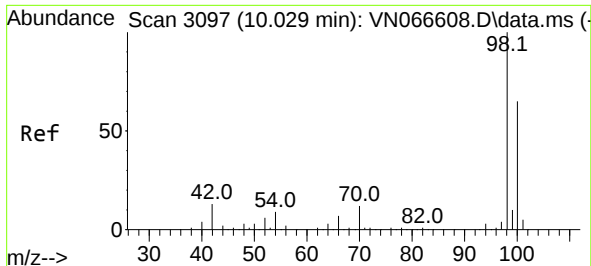
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

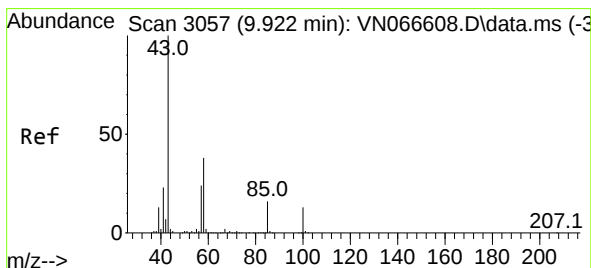
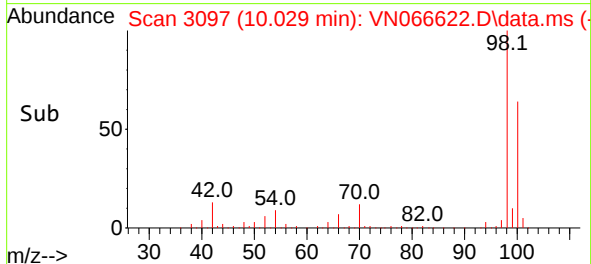
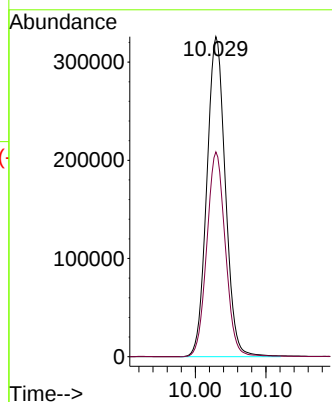
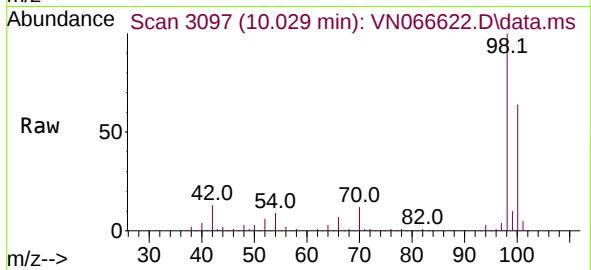




#50
Toluene-d8
Concen: 54.40 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

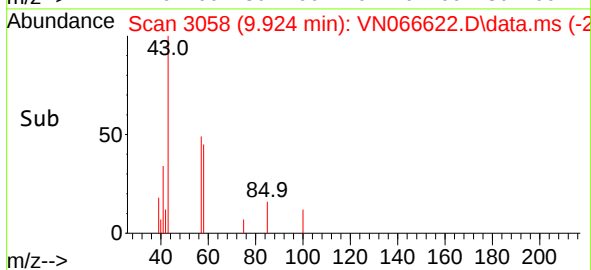
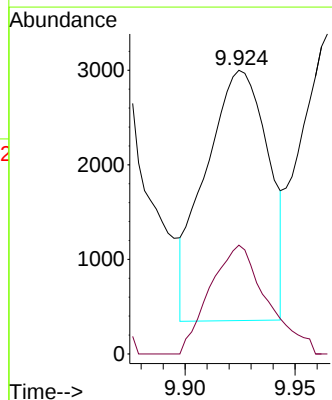
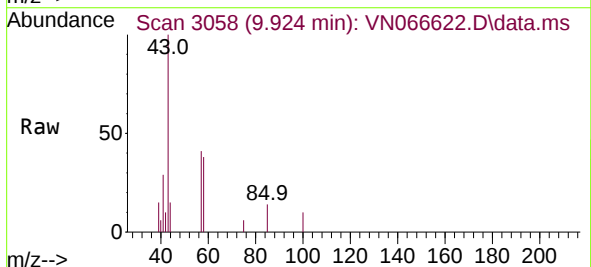
Instrument :
MSVOA_N
ClientSampleId :

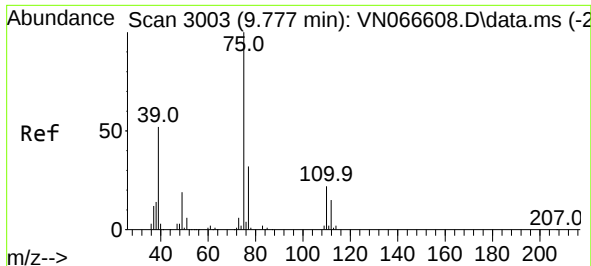
Tgt Ion: 98 Resp: 595296
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.16 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

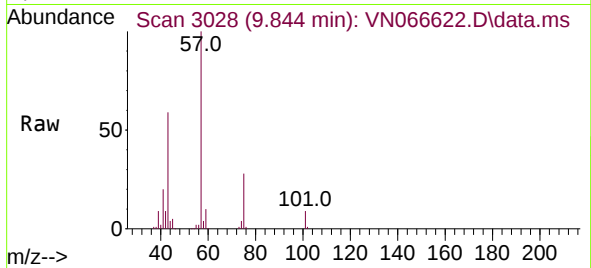
Tgt Ion: 43 Resp: 5245
Ion Ratio Lower Upper
43 100
58 39.5 32.5 48.7



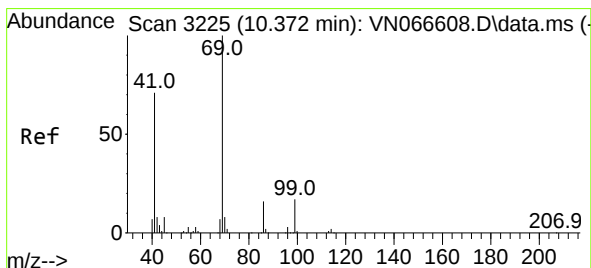
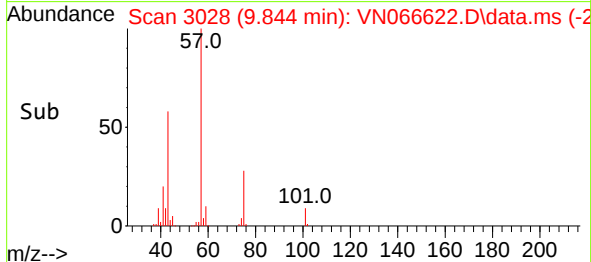
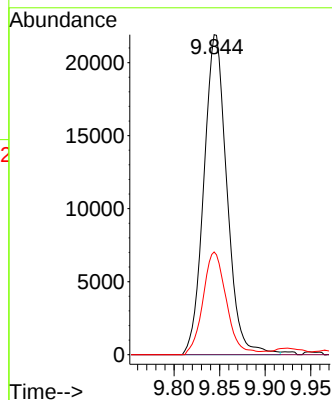


#54
 cis-1,3-Dichloropropene
 Concen: 7.28 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066622.D
 Acq: 15 Apr 2021 19:29

Instrument :
 MSVOA_N
 ClientSampleId :

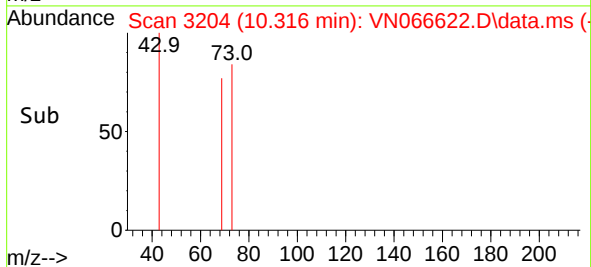
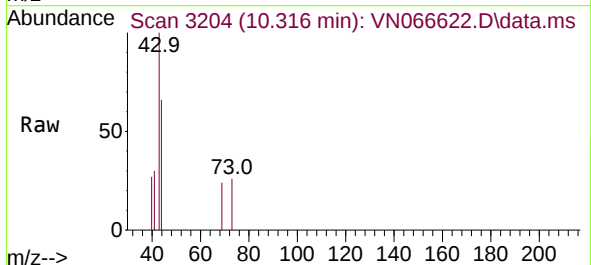
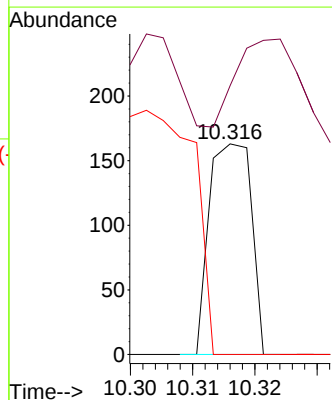


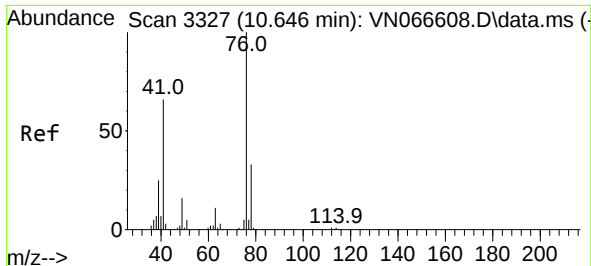
Tgt Ion: 75 Resp: 38592
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 32.1 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 0.91 ug/l
 RT: 10.316 min Scan# 3204
 Delta R.T. -0.056 min
 Lab File: VN066622.D
 Acq: 15 Apr 2021 19:29

Tgt Ion: 69 Resp: 76
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

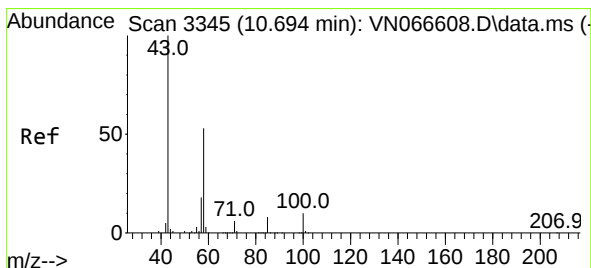
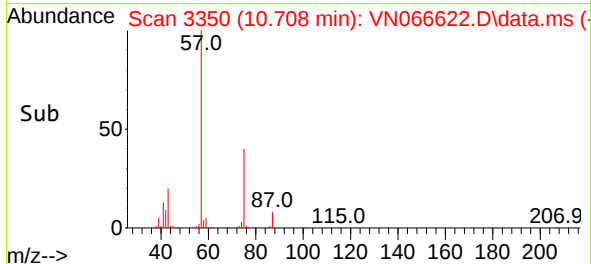
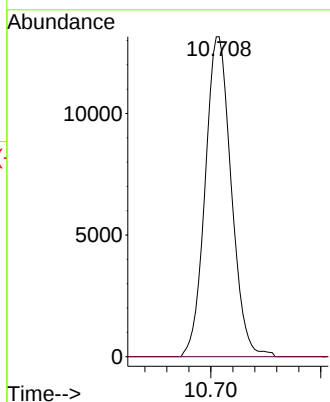
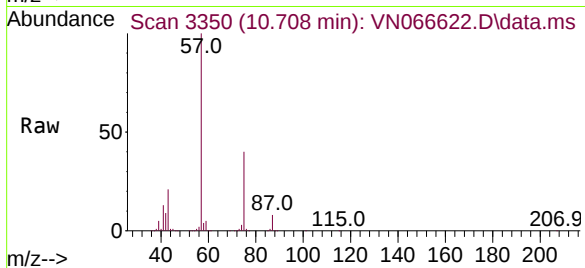




#57
1,3-Dichloropropane
Concen: 4.08 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

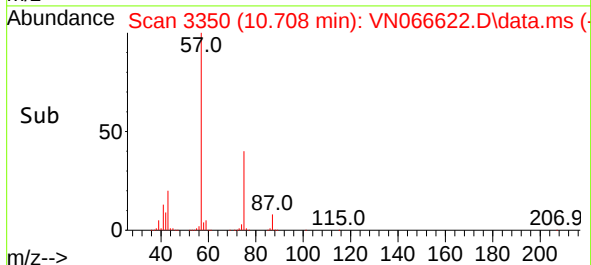
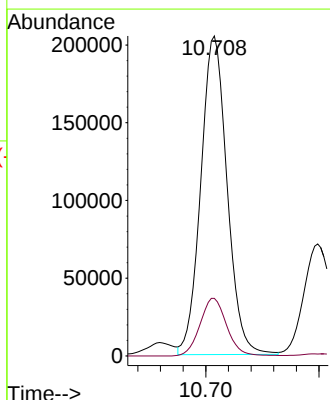
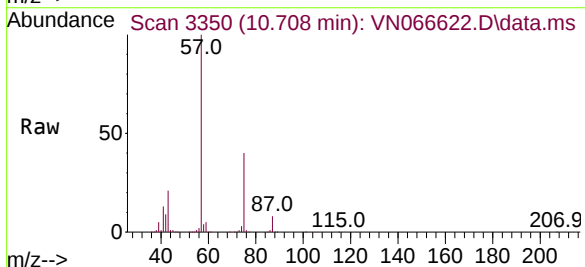
Instrument :
MSVOA_N
ClientSampleId :

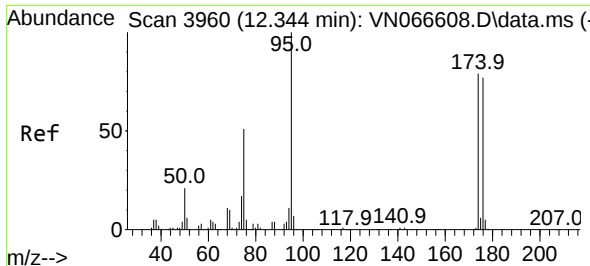
Tgt Ion: 76 Resp: 21631
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 105.29 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.014 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 43 Resp: 330055
Ion Ratio Lower Upper
43 100
58 18.5 28.1 84.3#

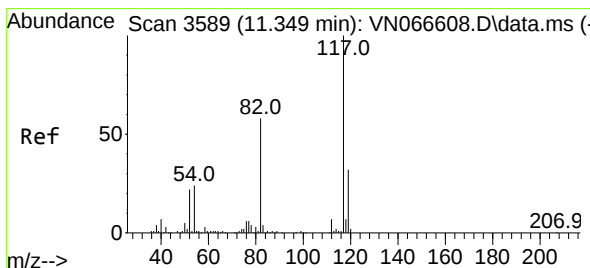
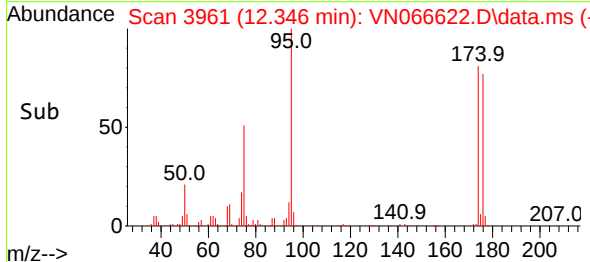
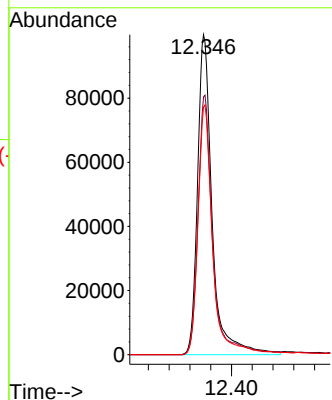
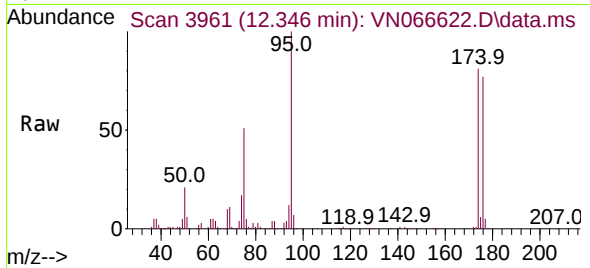




#62
4-Bromofluorobenzene
Concen: 50.72 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

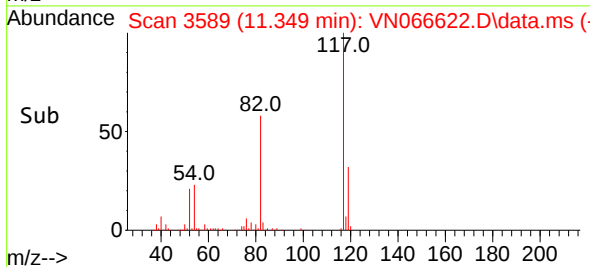
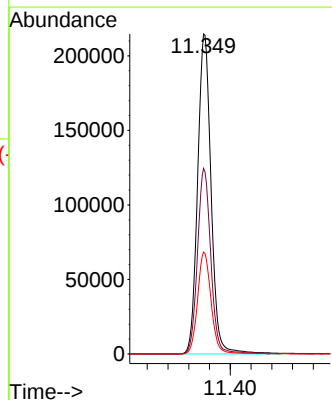
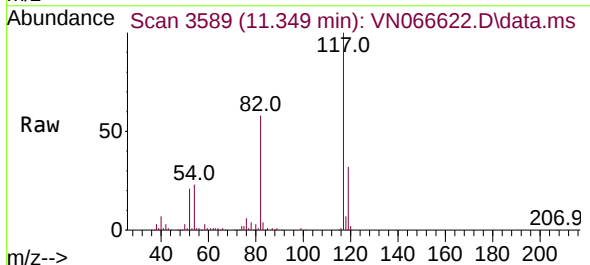
Instrument :
MSVOA_N
ClientSampled :

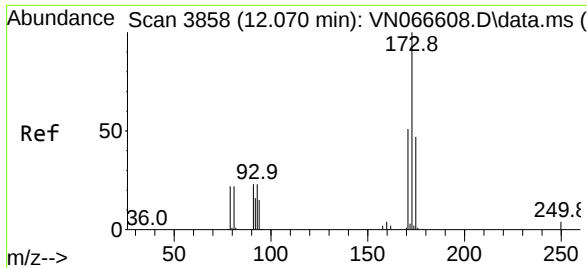
Tgt Ion: 95 Resp: 195169
Ion Ratio Lower Upper
95 100
174 81.1 0.0 169.0
176 77.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 117 Resp: 386528
Ion Ratio Lower Upper
117 100
82 58.0 43.7 65.5
119 31.9 26.1 39.1

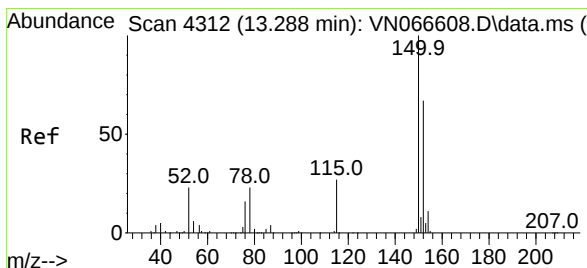
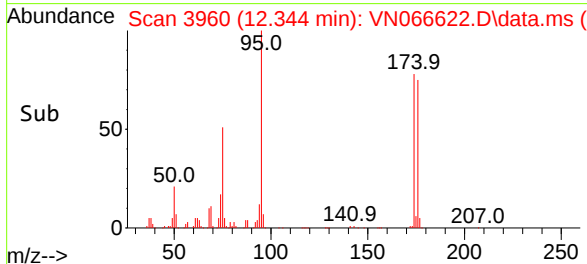
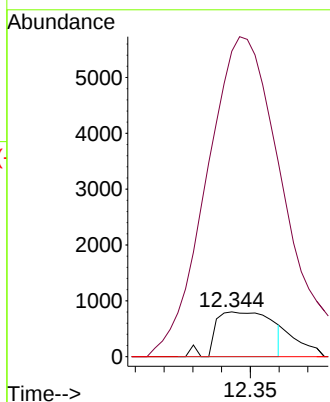
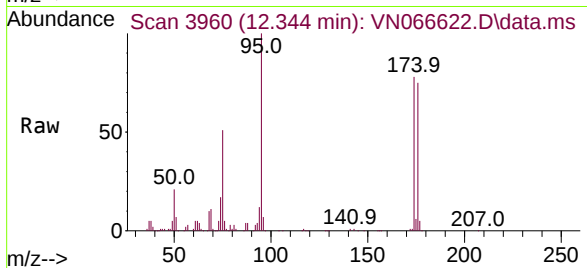




#71
Bromoform
Concen: 0.47 ug/l
RT: 12.344 min Scan# 3960
Delta R.T. 0.274 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

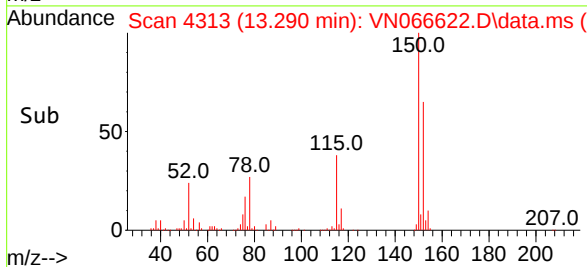
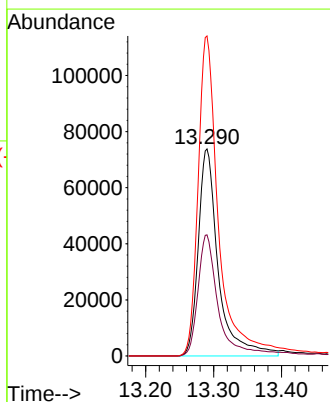
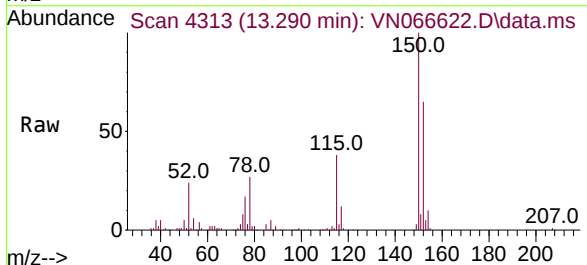
Instrument :
MSVOA_N
ClientSampleId :

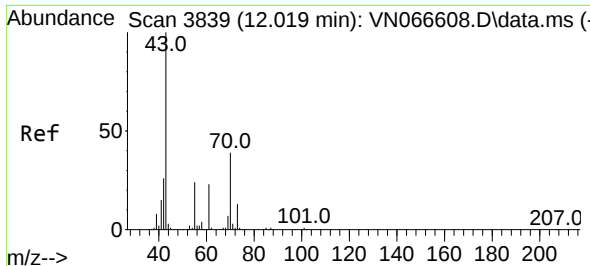
Tgt Ion:173 Resp: 1092
Ion Ratio Lower Upper
173 100
175 808.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

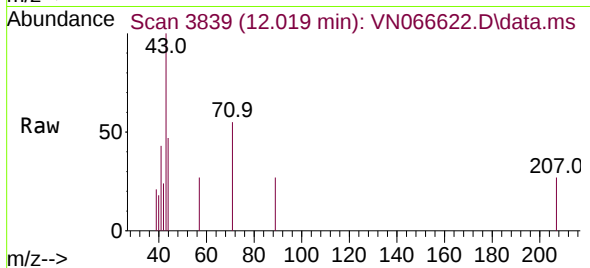
Tgt Ion:152 Resp: 152189
Ion Ratio Lower Upper
152 100
115 60.3 28.5 85.6
150 161.5 0.0 347.6



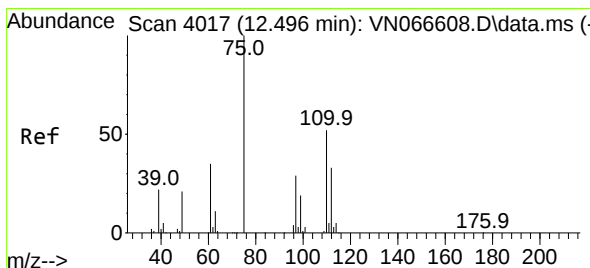
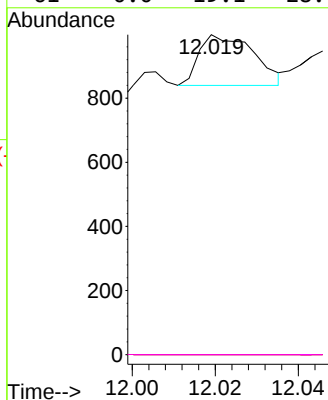
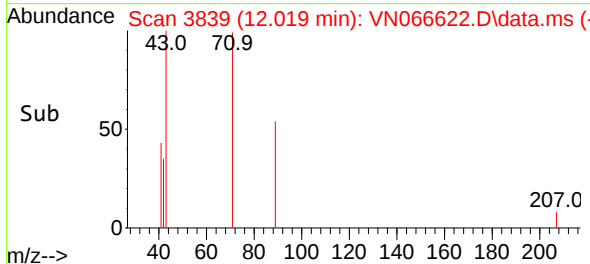


#74
N-amy1 acetate
Concen: 9.76 ug/l
RT: 12.019 min Scan# 3839
Delta R.T. 0.000 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

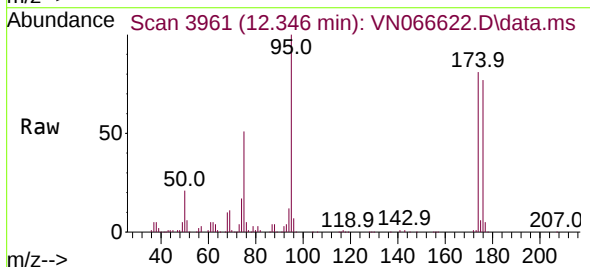
Instrument :
MSVOA_N
ClientSampleId :



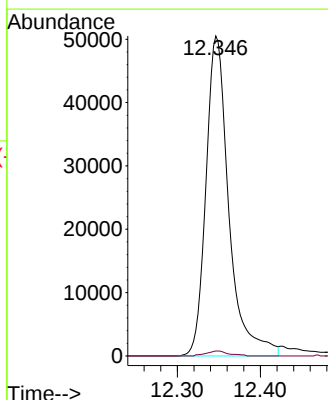
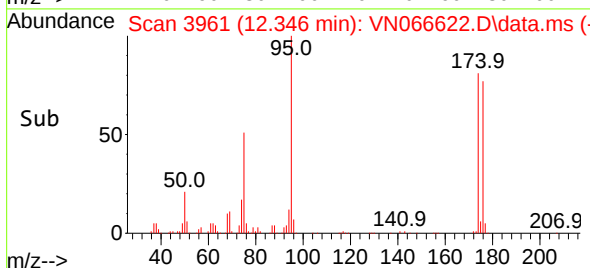
Tgt Ion: 43	Resp: 144
Ion Ratio	Lower Upper
43	100
70	0.0 34.4 51.6#
55	0.0 20.7 31.1#
61	0.0 19.1 28.7#

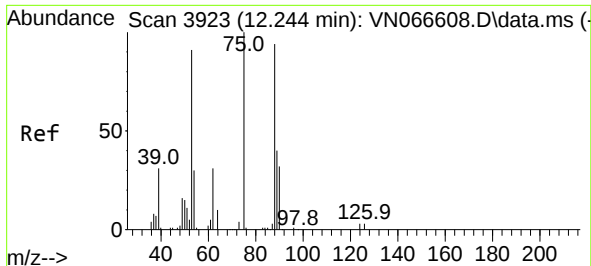


#76
1,2,3-Trichloropropane
Concen: 27.19 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29



Tgt Ion: 75	Resp: 96752
Ion Ratio	Lower Upper
75	100
77	1.5 0.0 0.0#

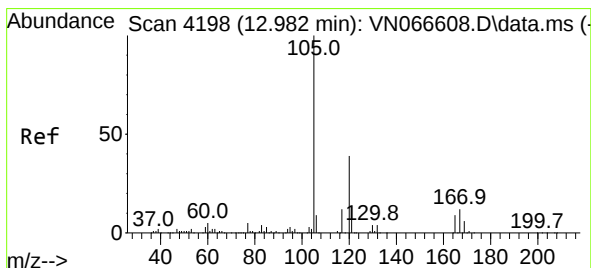
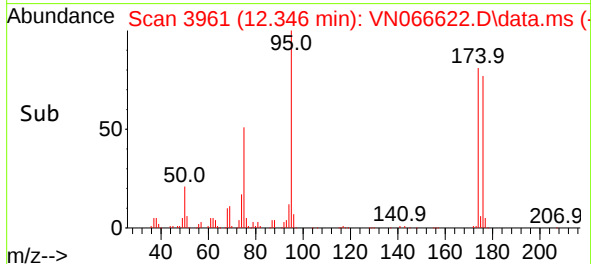
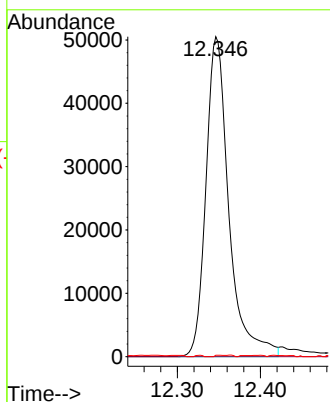
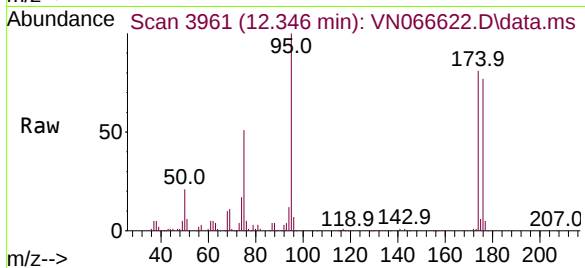




#81
trans-1,4-Dichloro-2-butene
Concen: 83.77 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

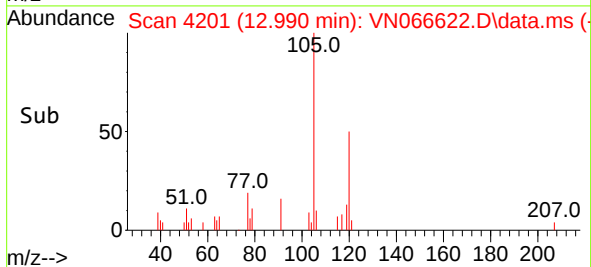
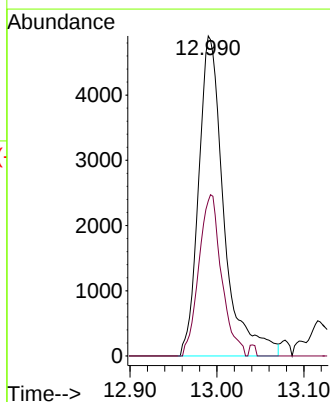
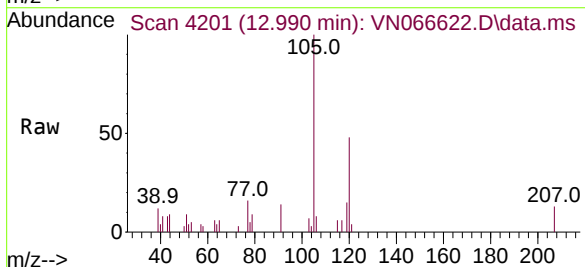
Instrument :
MSVOA_N
ClientSampled :

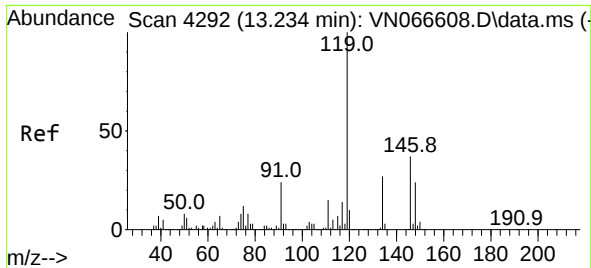
Tgt Ion: 75 Resp: 96752
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.07 ug/l
RT: 12.990 min Scan# 4201
Delta R.T. 0.008 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion: 105 Resp: 9897
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.0

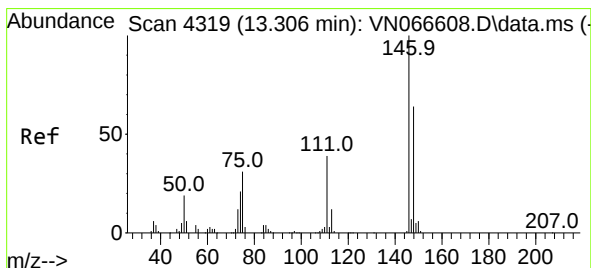
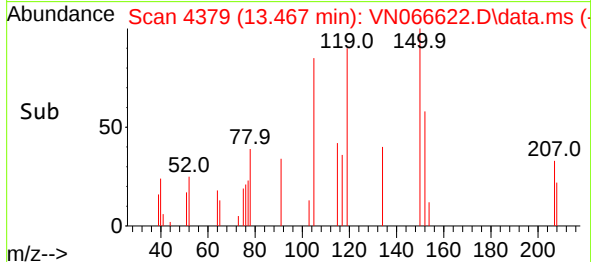
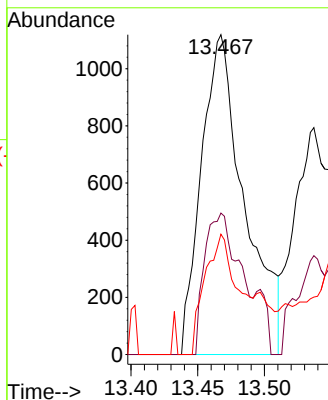
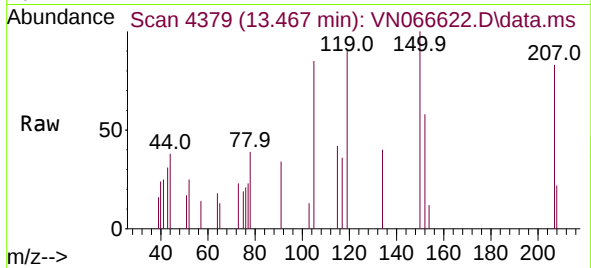




#86
p-Isopropyltoluene
Concen: 0.27 ug/l
RT: 13.467 min Scan# 4379
Delta R.T. 0.233 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

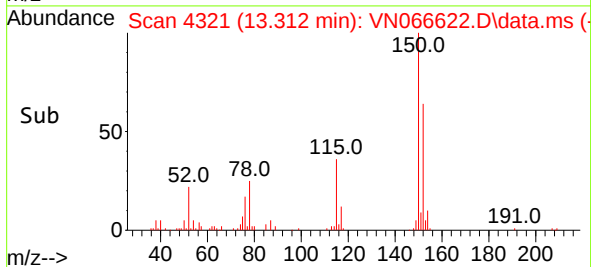
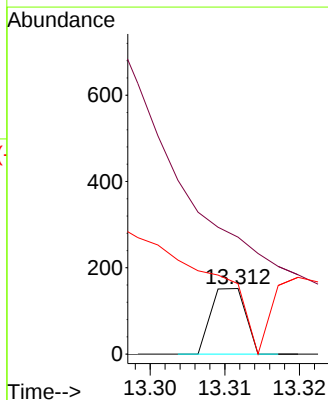
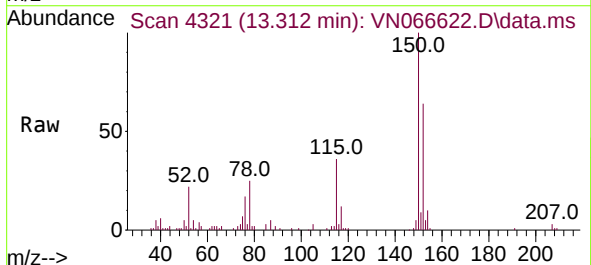
Instrument :
MSVOA_N
ClientSampleId :

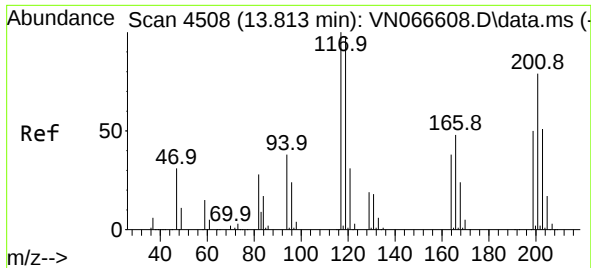
Tgt Ion:119	Resp:	2506
Ion Ratio	Lower	Upper
119	100	
134	36.0	13.3 39.8
91	29.6	11.8 35.3



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.312 min Scan# 4321
Delta R.T. 0.006 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion:146	Resp:	49
Ion Ratio	Lower	Upper
146	100	
111	0.0	19.0 57.0#
148	165.3	31.8 95.3#

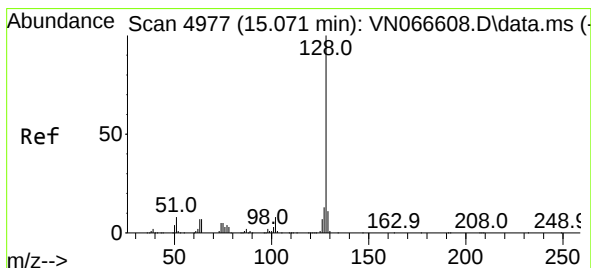
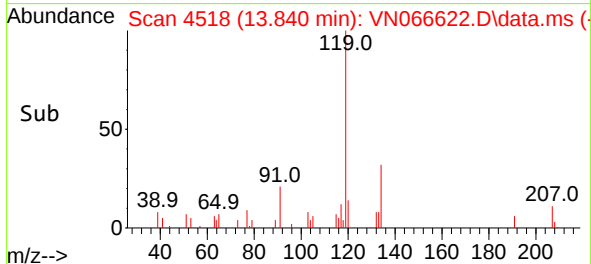
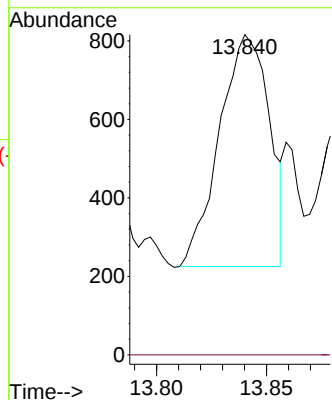
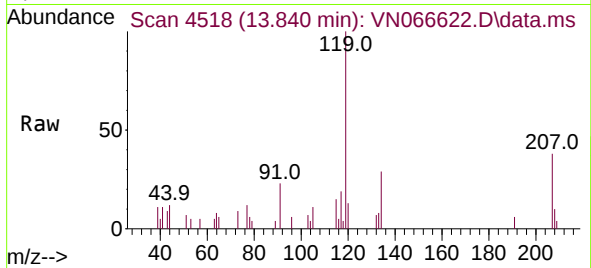




#90
Hexachloroethane
Concen: 0.46 ug/l
RT: 13.840 min Scan# 4518
Delta R.T. 0.027 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:117 Resp: 936
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#95
Naphthalene
Concen: 6.17 ug/l
RT: 15.076 min Scan# 4979
Delta R.T. 0.005 min
Lab File: VN066622.D
Acq: 15 Apr 2021 19:29

Tgt Ion:128 Resp: 47922
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.3 8.6 13.0

