

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068587.D
 Acq On : 21 Sep 2021 17:17
 Operator : JC/MD
 Sample : M3781-14DL 25X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 17:55:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

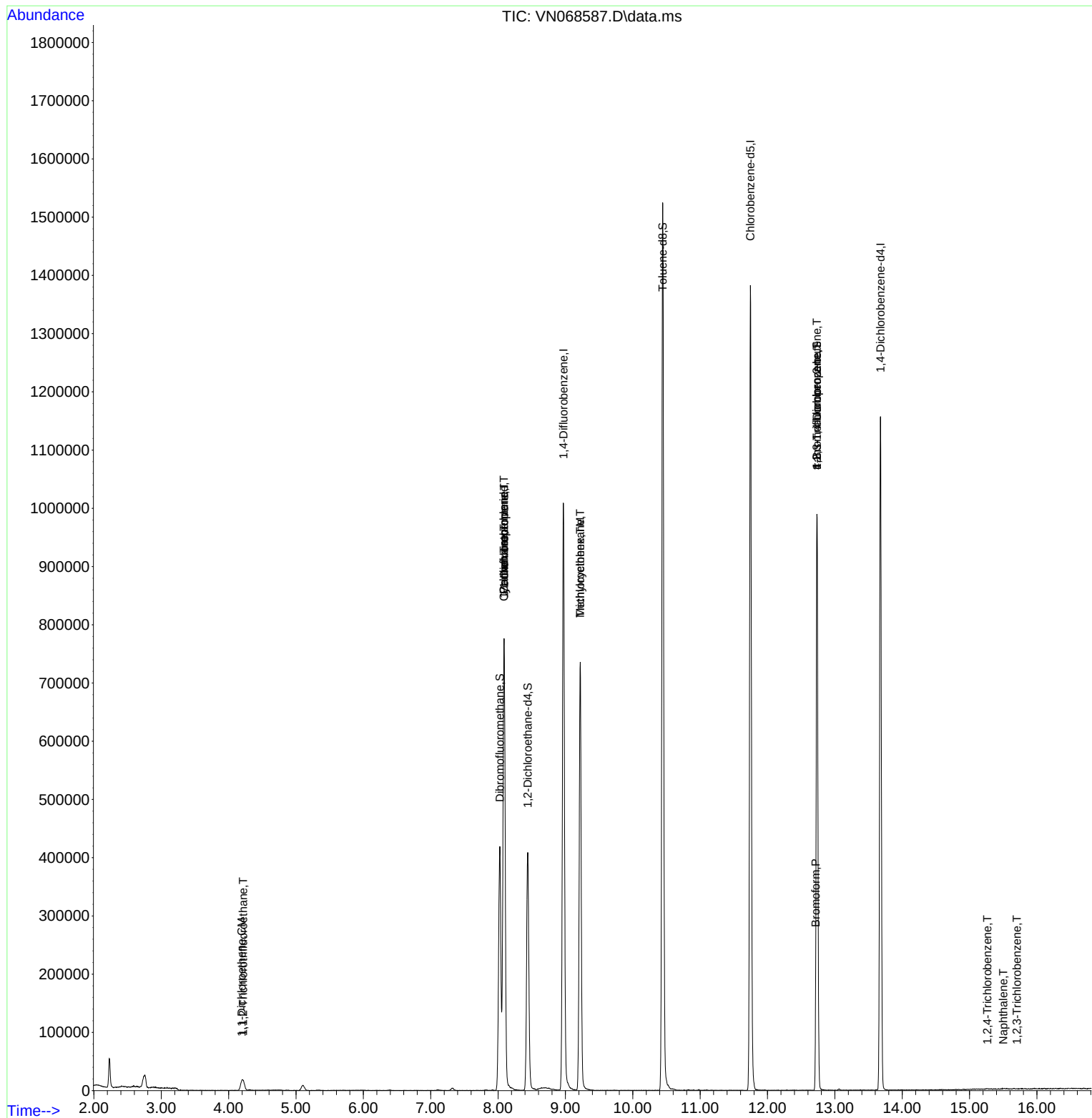
Internal Standards						
1) Pentafluorobenzene	8.088	168	665450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	979298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	893703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	348892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	339324	55.589	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.180%			
35) Dibromofluoromethane	8.027	113	303016	51.303	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.600%			
50) Toluene-d8	10.443	98	1160084	48.040	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.080%			
62) 4-Bromofluorobenzene	12.733	95	334538	42.569	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.140%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	572	Below Cal	#	66
5) Bromomethane	2.848	94	302	Below Cal	#	55
9) 1,1,2-Trichlorotrifluo...	4.213	101	10198	1.786	ug/l #	85
11) Tert butyl alcohol	5.361	59	78	Below Cal	#	84
12) 1,1-Dichloroethene	4.194	96	6035	1.154	ug/l	97
16) Acetone	4.285	43	324	Below Cal	#	41
18) Methyl Acetate	4.859	43	617	Below Cal	#	45
20) Methylene Chloride	5.093	84	3389	Below Cal	#	91
31) Cyclohexane	8.086	56	11584	1.252	ug/l #	43
36) 1,1-Dichloropropene	8.091	75	43182	5.289	ug/l #	48
38) Carbon Tetrachloride	8.088	117	60410	6.176	ug/l #	17
39) Methylcyclohexane	9.220	83	3435	0.333	ug/l #	1
44) Trichloroethene	9.220	130	285072	37.256	ug/l	94
71) Bromoform	12.715	173	115	2.542	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	165878	34.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	165878	105.367	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.265	180	238	2.993	ug/l #	72
95) Naphthalene	15.501	128	663	3.541	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.702	180	291	3.019	ug/l #	73

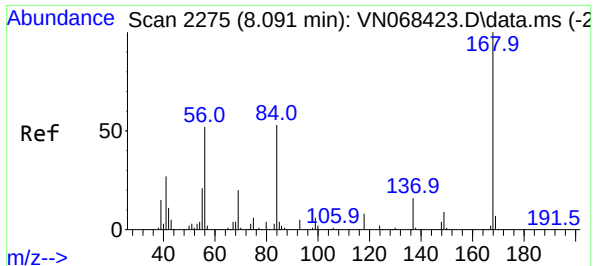
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 17 11:02:11 2021
Response via : Initial Calibration

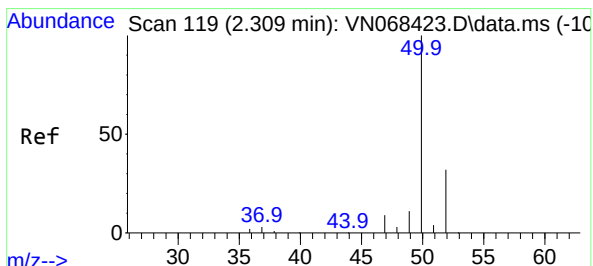
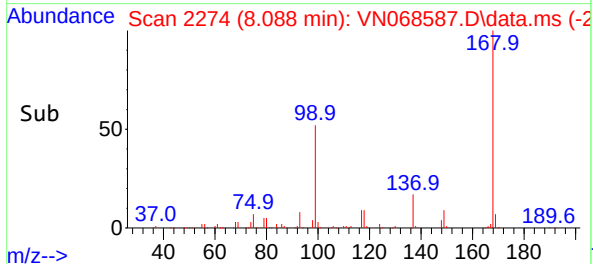
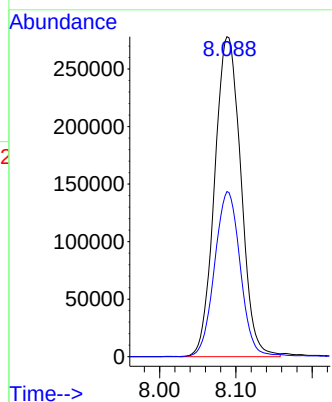
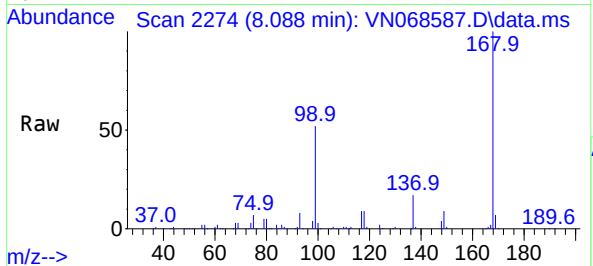




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

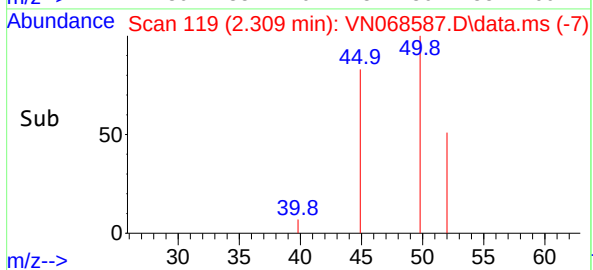
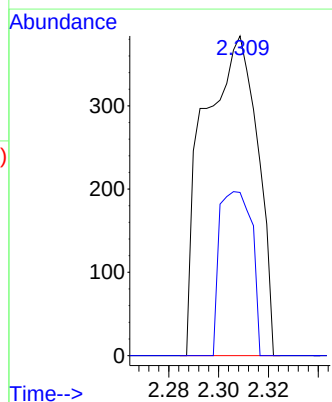
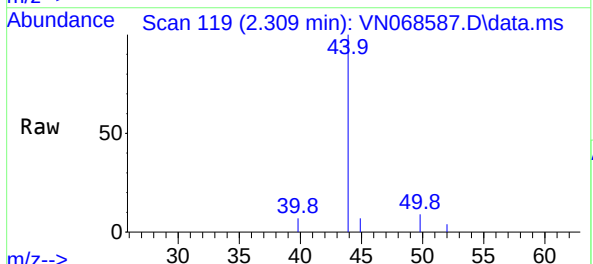
Instrument :
MSVOA_N
ClientSampled :

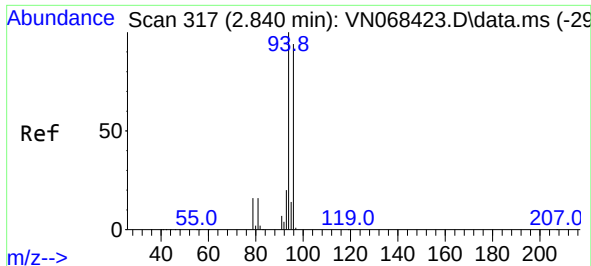
Tgt Ion:168 Resp: 665450
Ion Ratio Lower Upper
168 100
99 51.5 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.309 min Scan# 119
Delta R.T. -0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 50 Resp: 572
Ion Ratio Lower Upper
50 100
52 51.0 25.8 38.6#

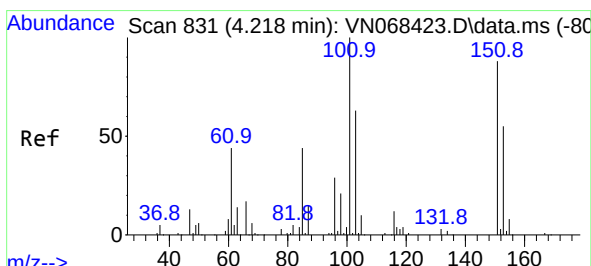
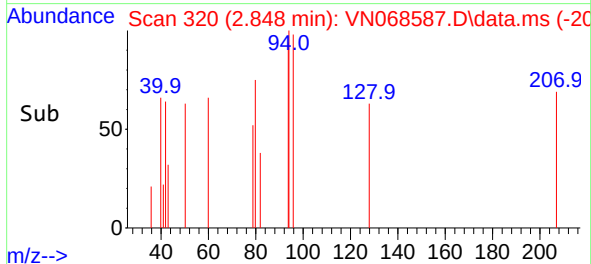
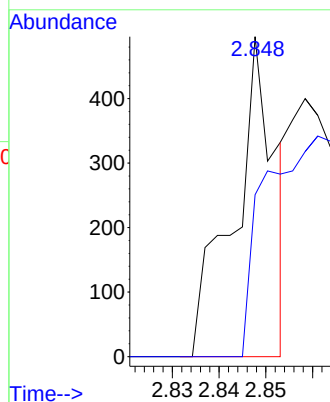
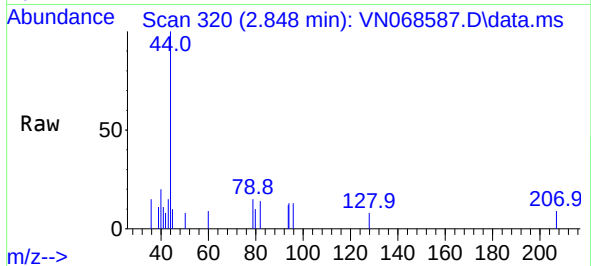




#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.008 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

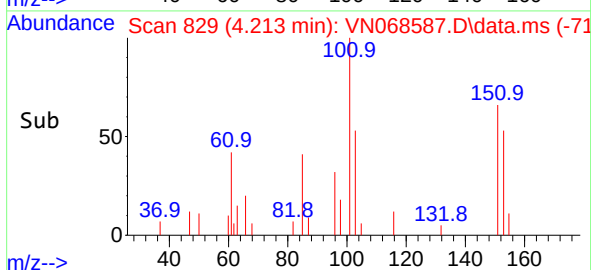
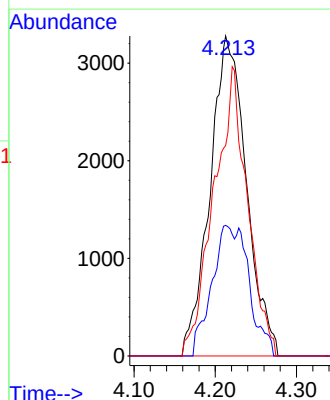
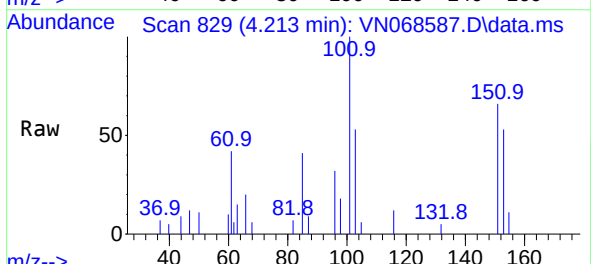
Instrument :
MSVOA_N
ClientSampled :

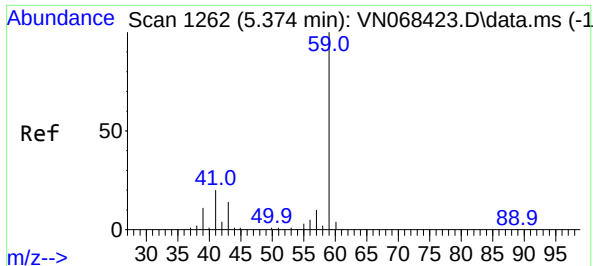
Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 50.6 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.786 ug/l
RT: 4.213 min Scan# 829
Delta R.T. -0.005 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion:101 Resp: 10198
Ion Ratio Lower Upper
101 100
85 25.0 35.7 53.5#
151 82.9 71.6 107.4



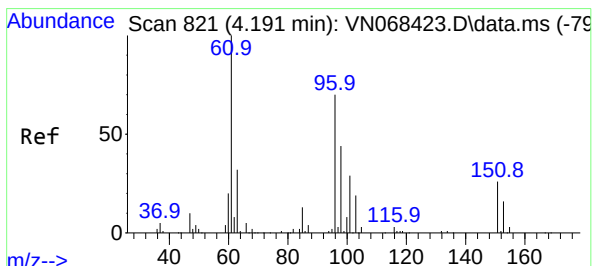
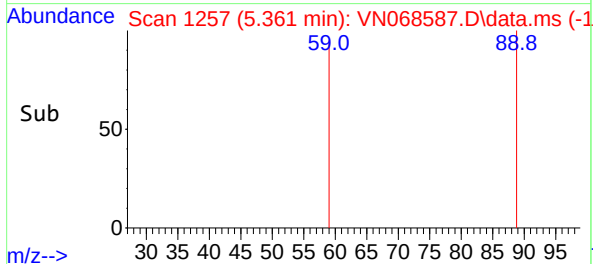
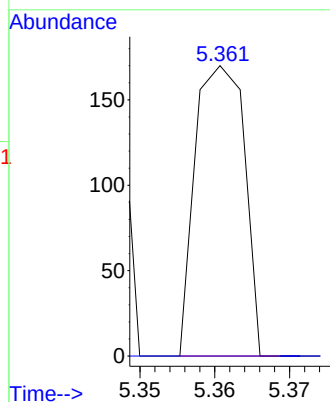
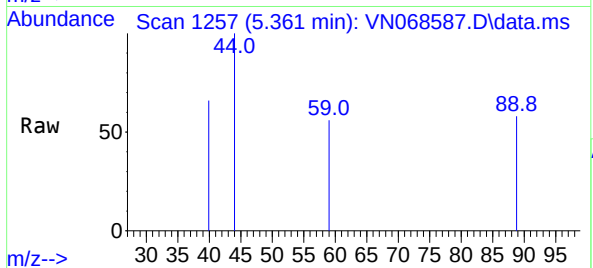


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.361 min Scan# 1257
Delta R.T. -0.013 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Instrument :
MSVOA_N
ClientSampleId :

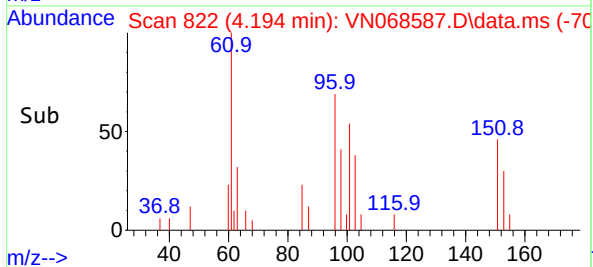
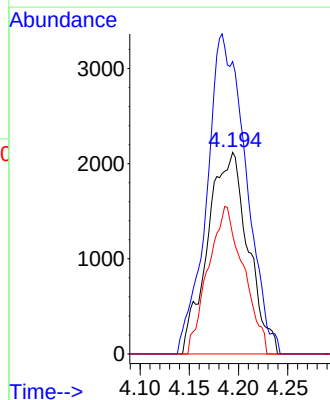
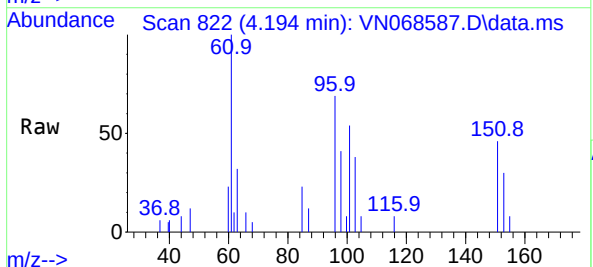
Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

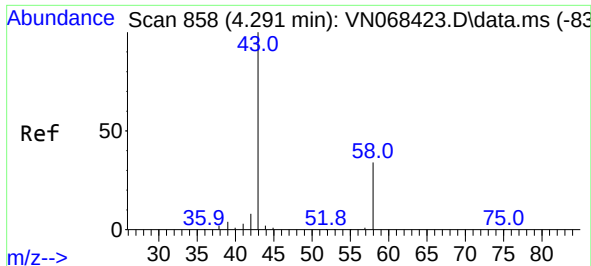


#12

1,1-Dichloroethene
Concen: 1.154 ug/l
RT: 4.194 min Scan# 822
Delta R.T. 0.003 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 96 Resp: 6035
Ion Ratio Lower Upper
96 100
61 145.0 114.7 172.1
98 58.9 50.9 76.3

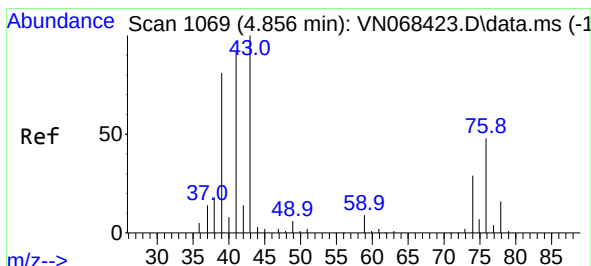
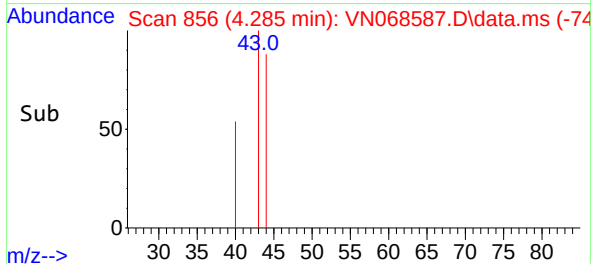
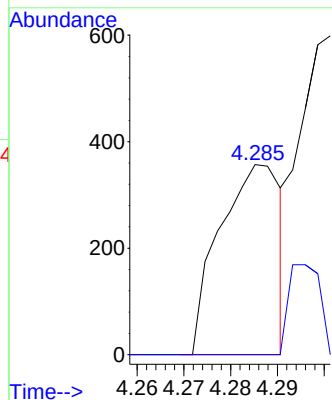
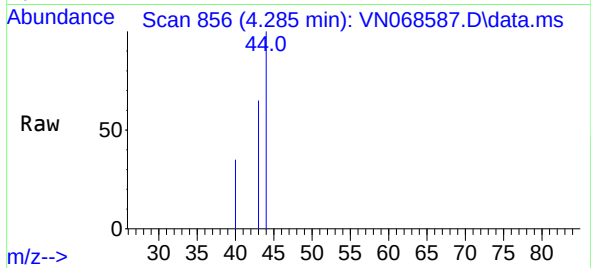




#16
Acetone
Concen: Below Cal
RT: 4.285 min Scan# 856
Delta R.T. -0.006 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

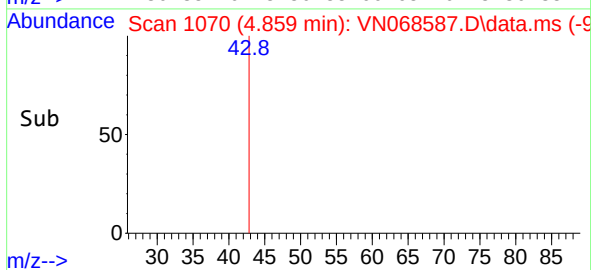
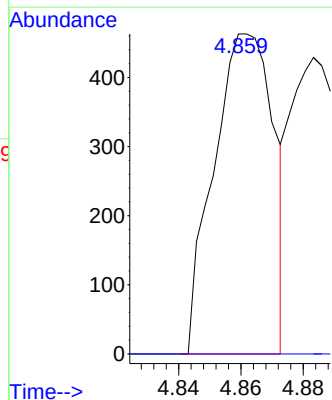
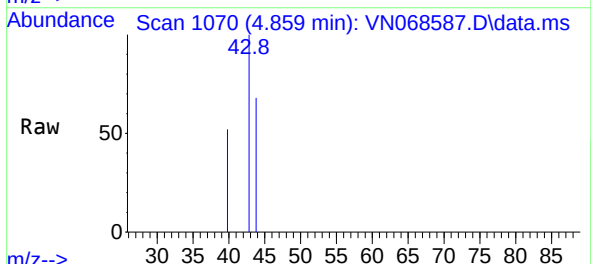
Instrument :
MSVOA_N
ClientSampled :

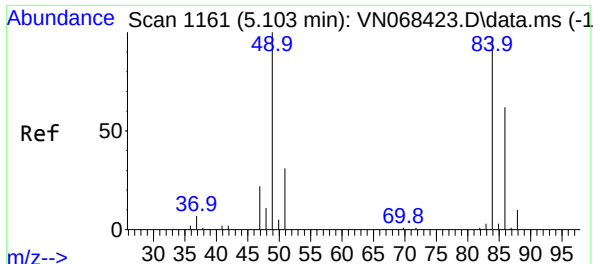
Tgt Ion: 43 Resp: 324
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

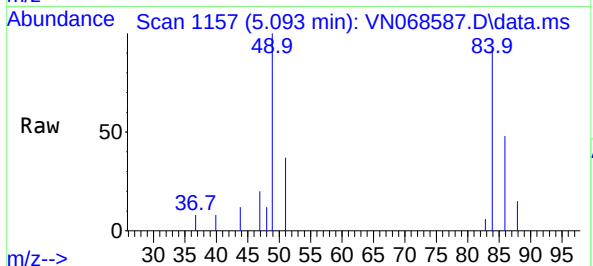
Tgt Ion: 43 Resp: 617
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





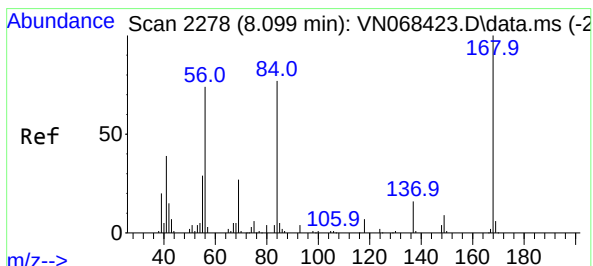
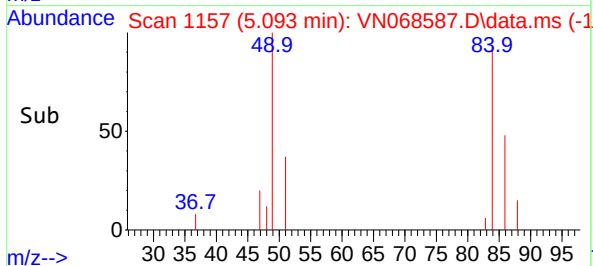
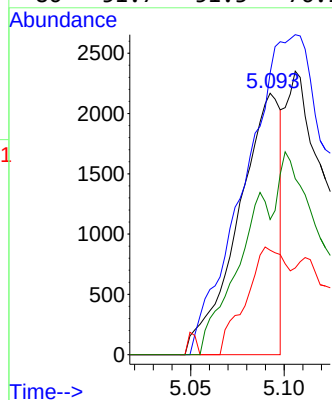
#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.010 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 3389

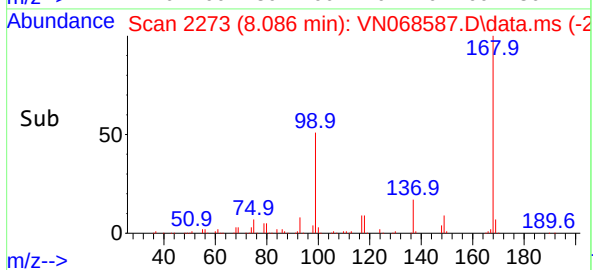
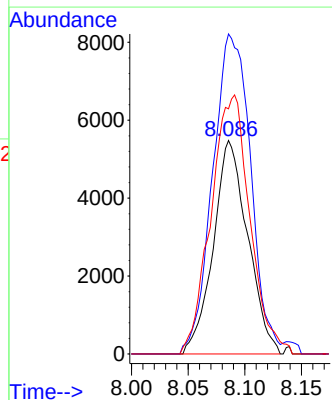
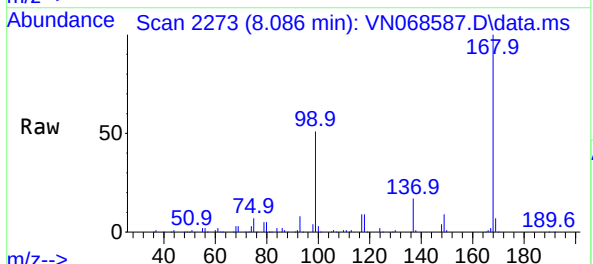
Ion	Ratio	Lower	Upper
84	100		
49	107.7	83.0	124.6
51	39.9	25.4	38.0#
86	51.7	51.3	76.9

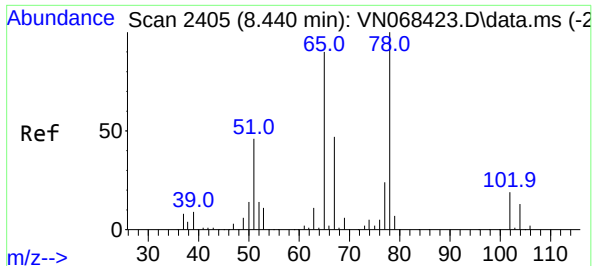


#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 56 Resp: 11584

Ion	Ratio	Lower	Upper
56	100		
69	149.9	29.4	44.0#
84	114.8	83.6	125.4



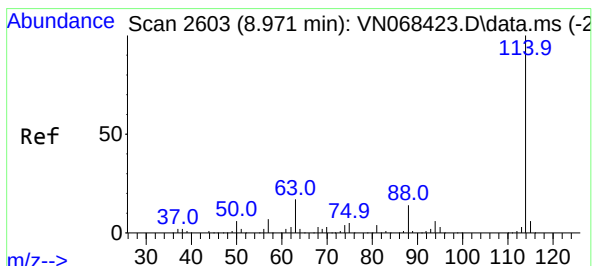
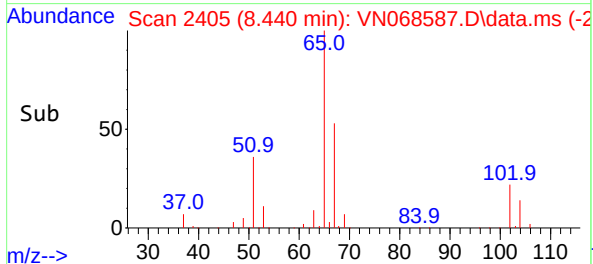
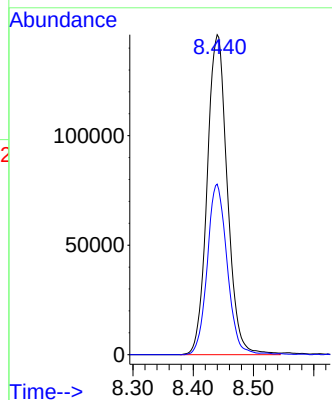
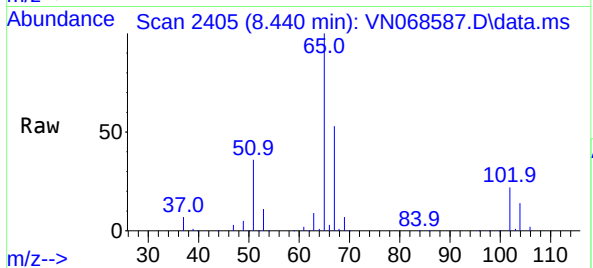


#33

1,2-Dichloroethane-d4
Concen: 55.589 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Instrument :
MSVOA_N
ClientSampled :

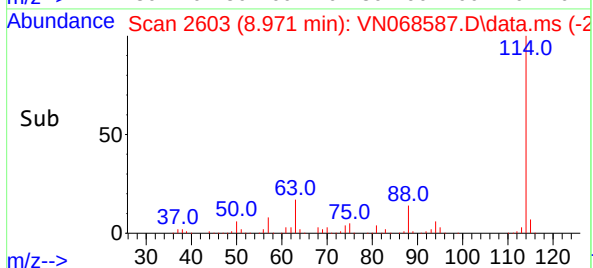
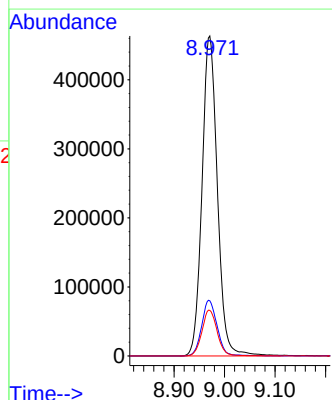
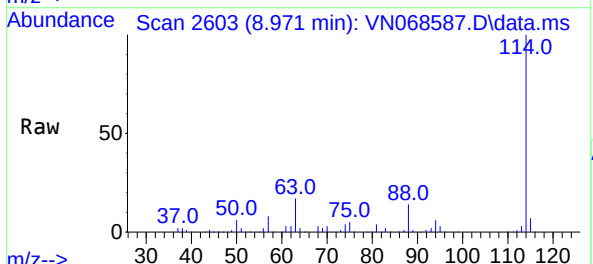
Tgt Ion: 65 Resp: 339324
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0

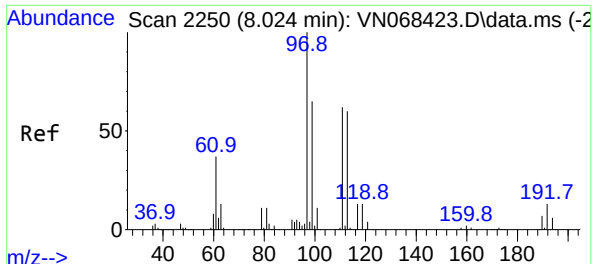


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 114 Resp: 979298
Ion Ratio Lower Upper
114 100
63 17.3 0.0 33.2
88 14.3 0.0 28.4

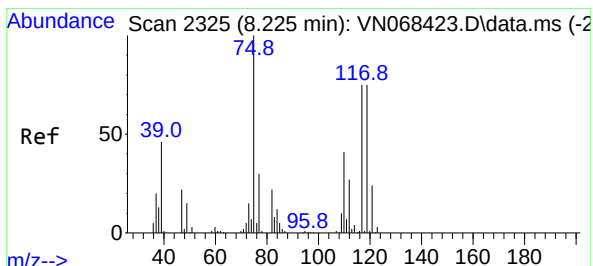
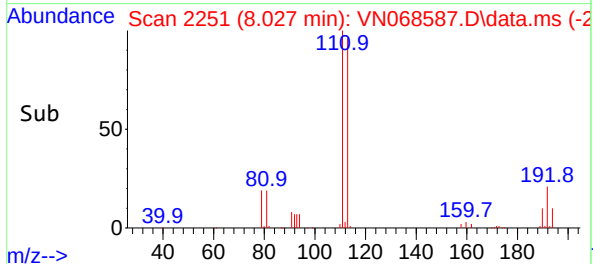
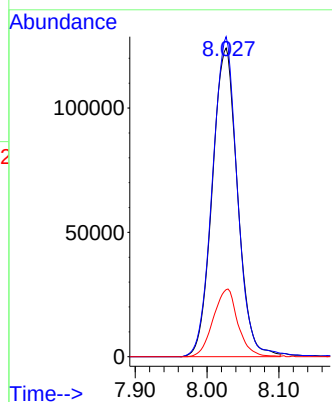
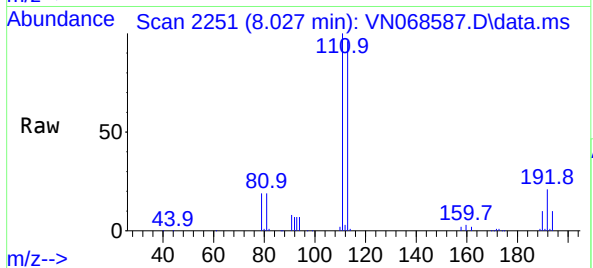




#35
Dibromofluoromethane
Concen: 51.303 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

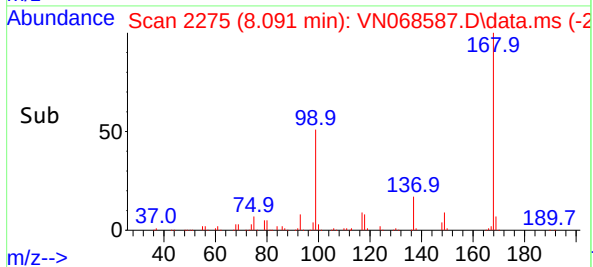
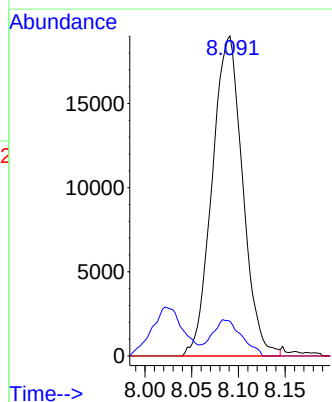
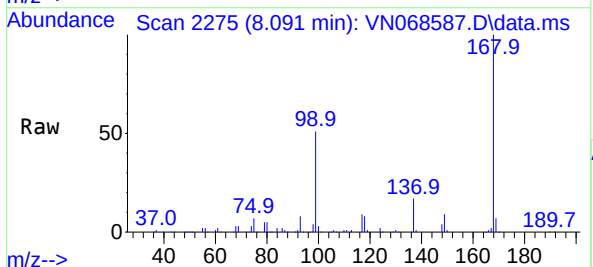
Instrument :
MSVOA_N
ClientSampleId :

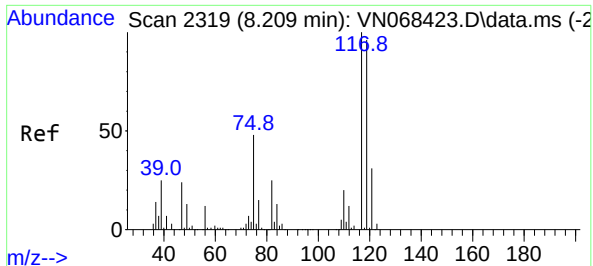
Tgt Ion:113 Resp: 303016
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 21.4 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.289 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

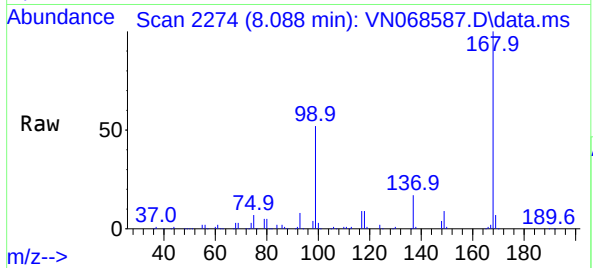
Tgt Ion: 75 Resp: 43182
Ion Ratio Lower Upper
75 100
110 10.9 20.8 62.5#
77 0.0 25.0 37.6#



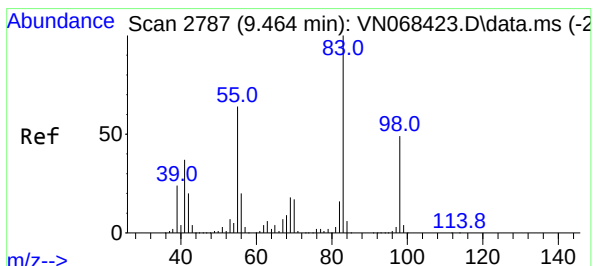
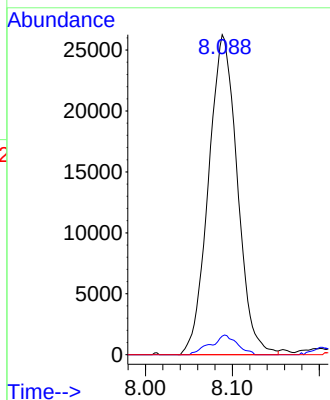
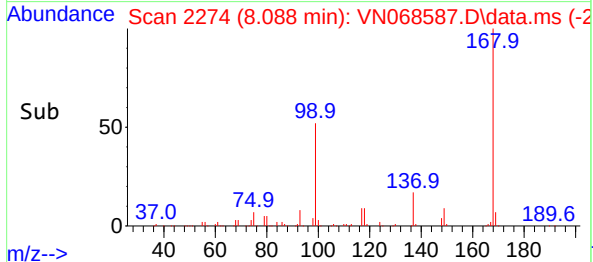


#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

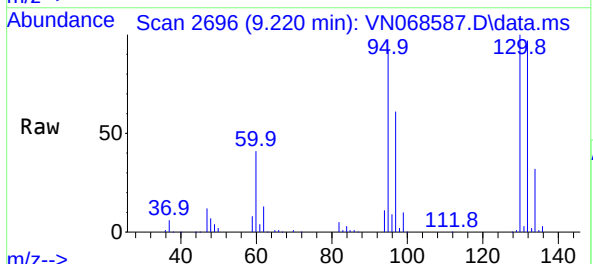
Instrument :
MSVOA_N
ClientSampled :



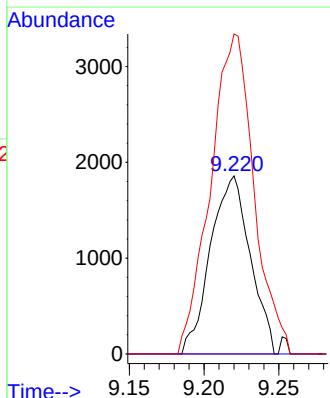
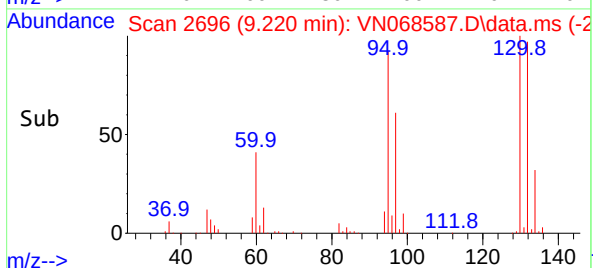
Tgt Ion:117 Resp: 60410
Ion Ratio Lower Upper
117 100
119 5.8 76.6 114.8#
121 0.0 24.5 36.7#

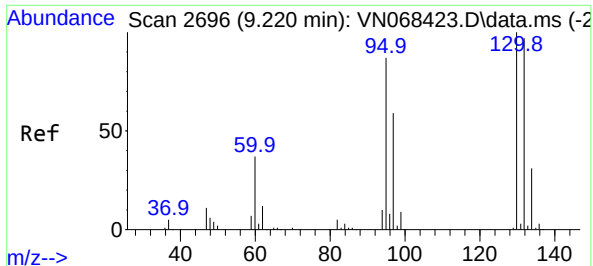


#39
Methylcyclohexane
Concen: 0.333 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.244 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17



Tgt Ion: 83 Resp: 3435
Ion Ratio Lower Upper
83 100
55 0.0 51.0 76.4#
98 179.7 39.5 59.3#

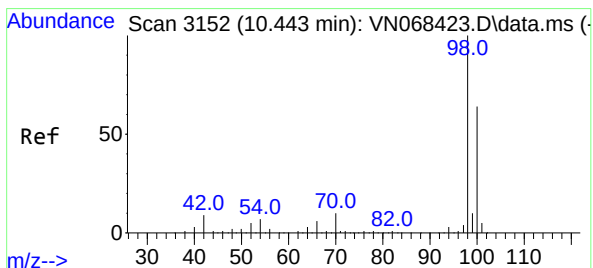
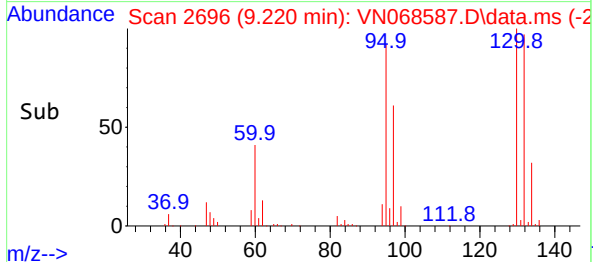
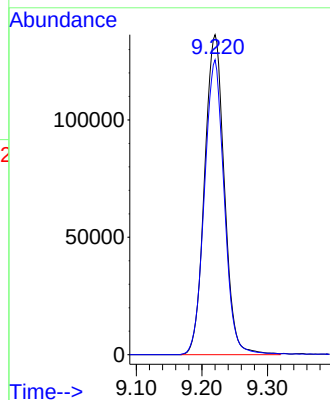
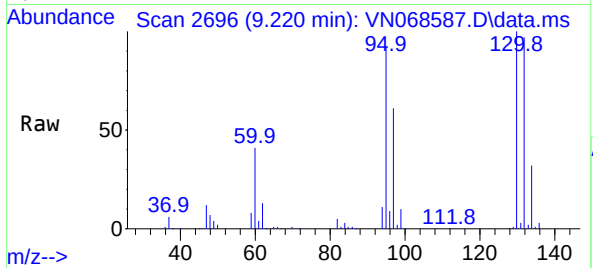




#44
Trichloroethene
Concen: 37.256 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

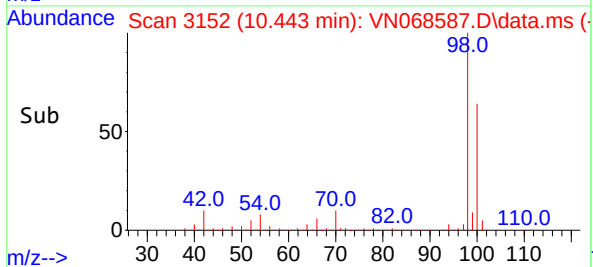
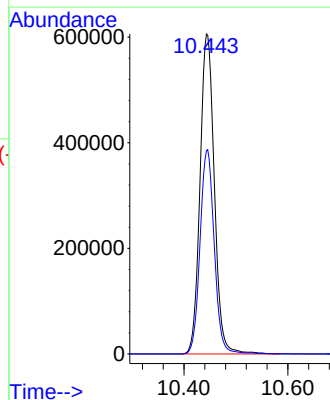
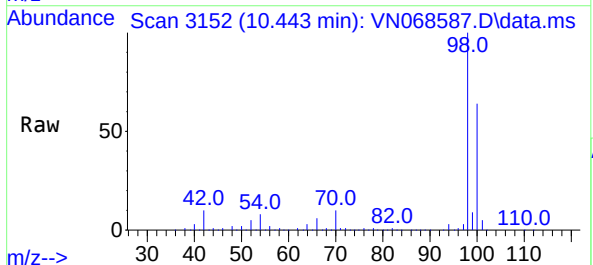
Instrument :
MSVOA_N
ClientSampled :

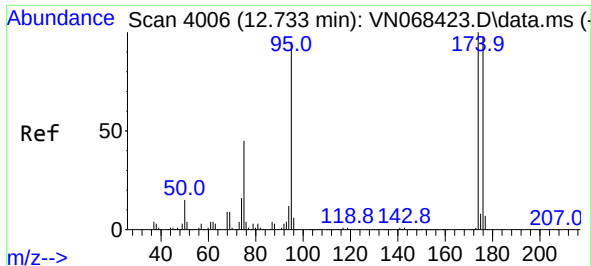
Tgt Ion:130 Resp: 285072
Ion Ratio Lower Upper
130 100
95 92.2 0.0 173.8



#50
Toluene-d8
Concen: 48.040 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 98 Resp: 1160084
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6

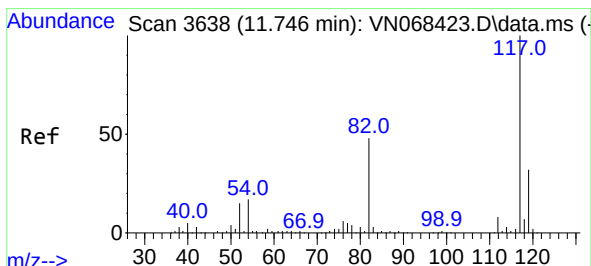
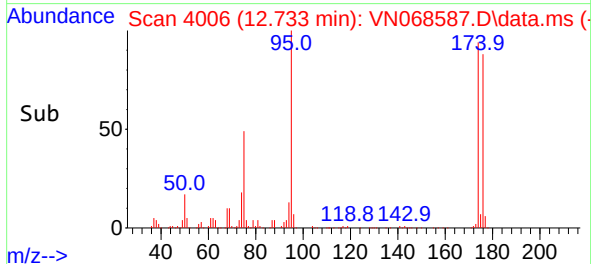
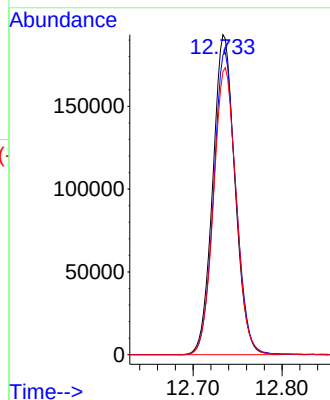
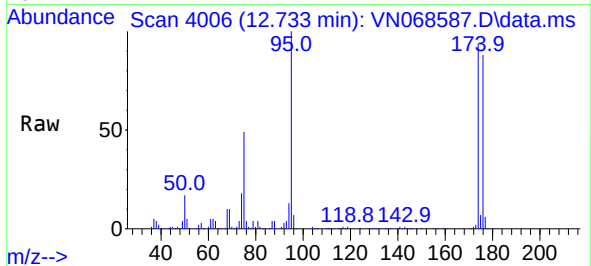




#62
4-Bromofluorobenzene
Concen: 42.569 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

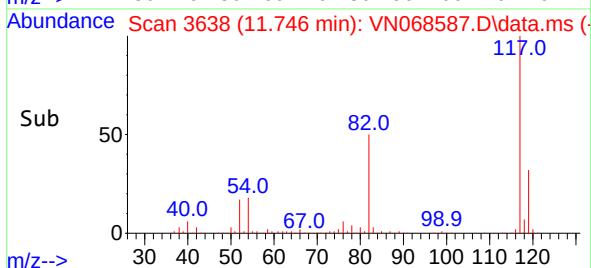
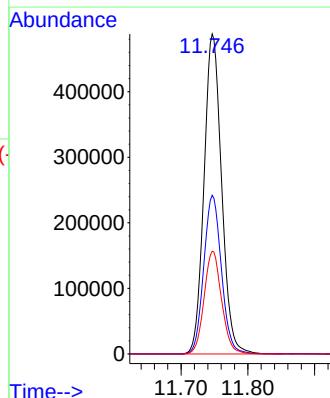
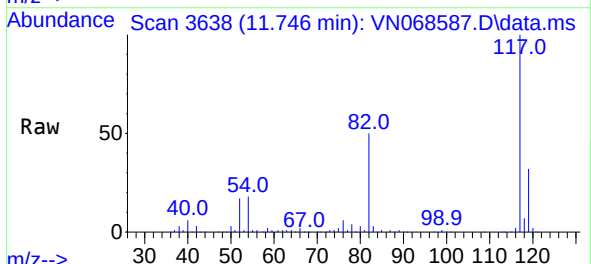
Instrument :
MSVOA_N
ClientSampleId :

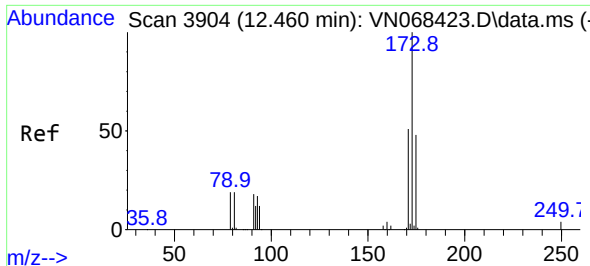
Tgt Ion: 95 Resp: 334538
Ion Ratio Lower Upper
95 100
174 95.2 0.0 214.0
176 91.5 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 117 Resp: 893703
Ion Ratio Lower Upper
117 100
82 49.6 38.7 58.1
119 32.1 25.5 38.3

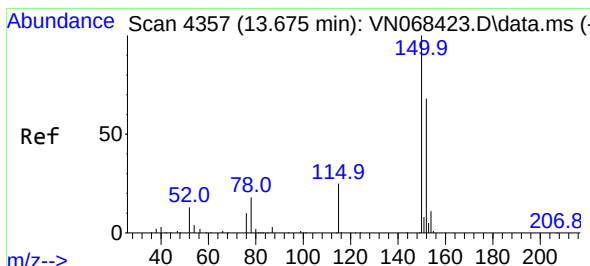
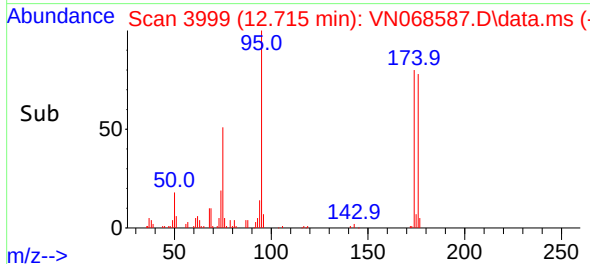
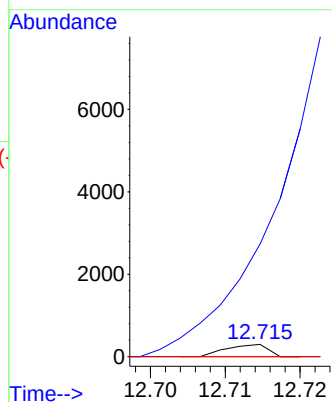
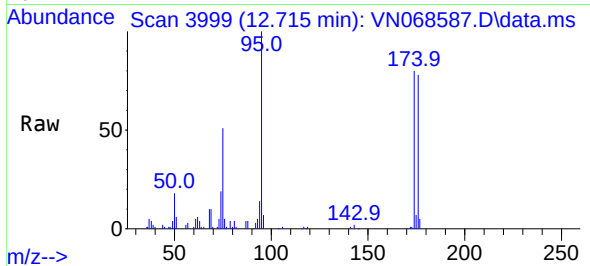




#71
Bromoform
Concen: 2.542 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

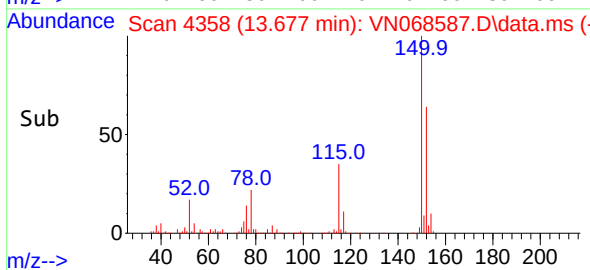
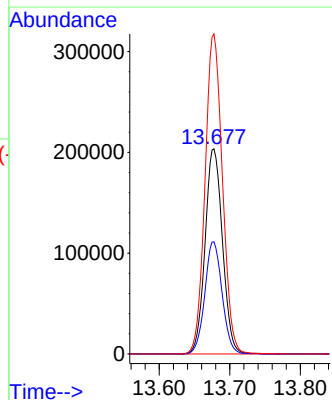
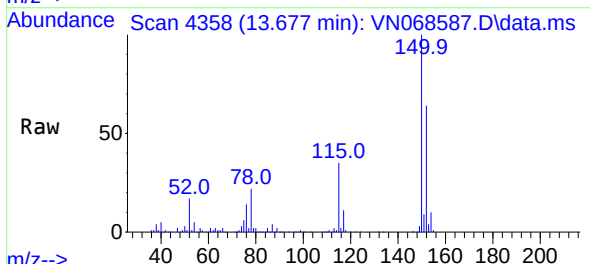
Instrument :
MSVOA_N
ClientSampled :

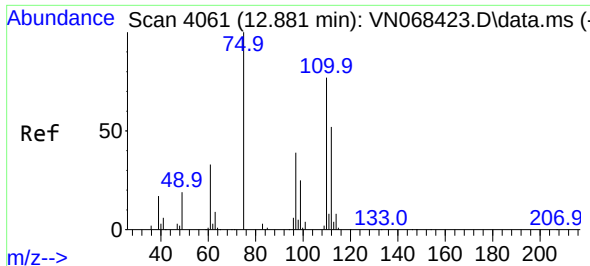
Tgt Ion:173 Resp: 115
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion:152 Resp: 348892
Ion Ratio Lower Upper
152 100
115 54.3 25.6 76.6
150 156.0 0.0 346.8

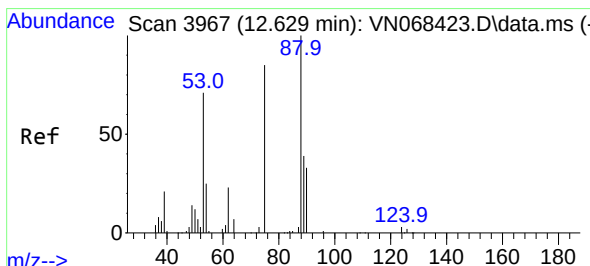
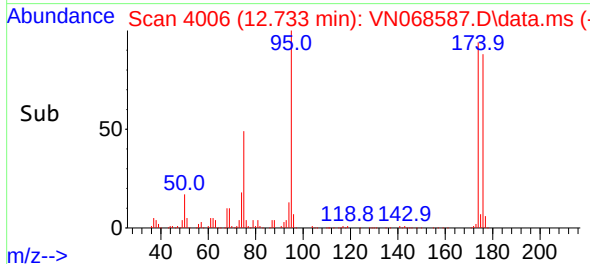
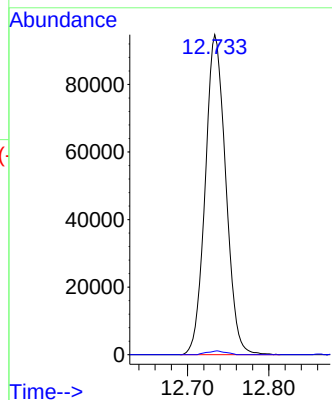
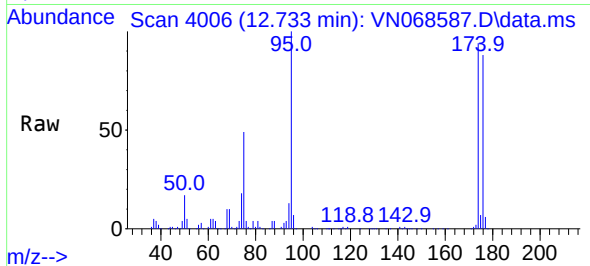




#76
1,2,3-Trichloropropane
Concen: 34.227 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

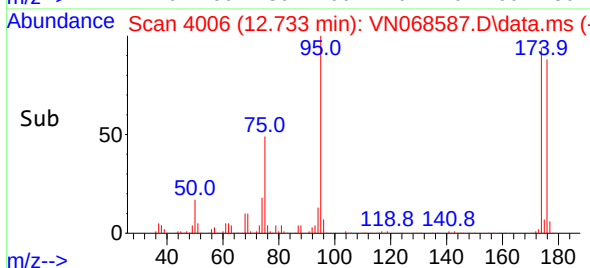
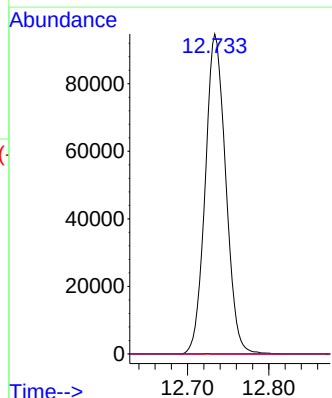
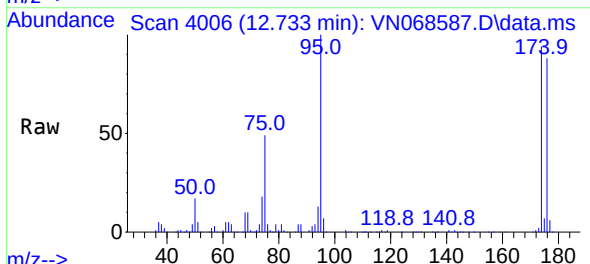
Instrument :
MSVOA_N
ClientSampled :

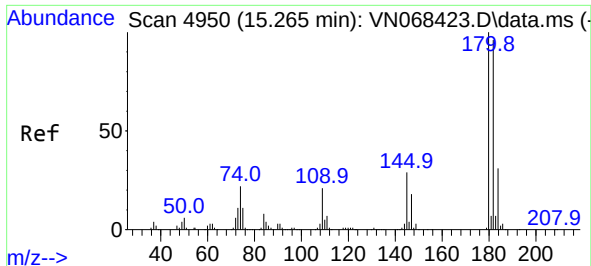
Tgt Ion: 75 Resp: 165878
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.367 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

Tgt Ion: 75 Resp: 165878
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

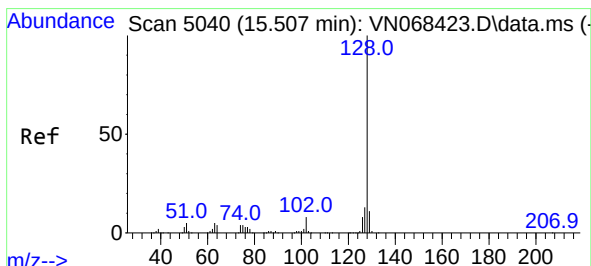
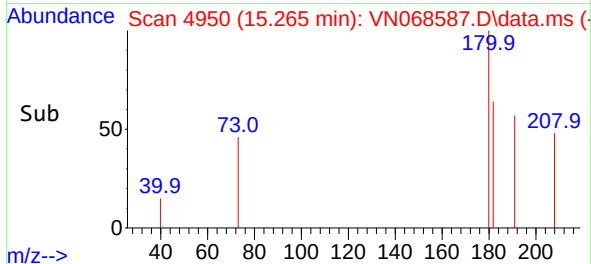
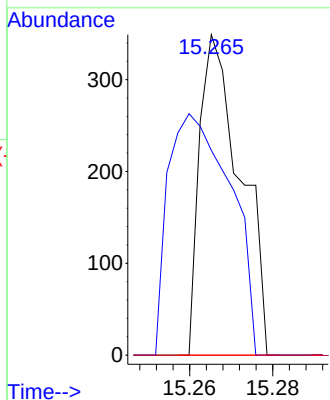
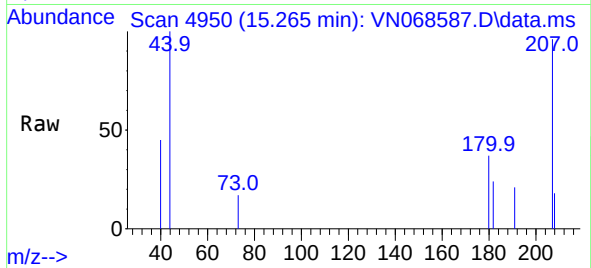




#93
1,2,4-Trichlorobenzene
Concen: 2.993 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

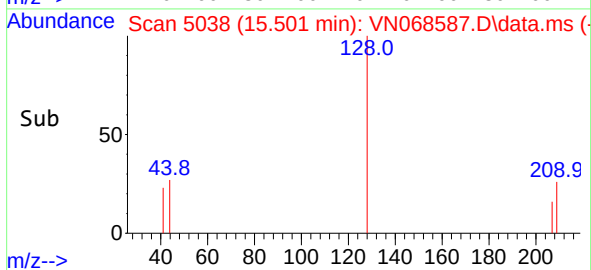
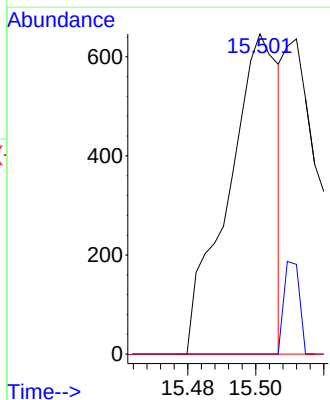
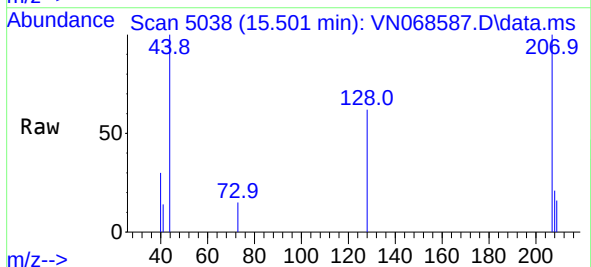
Instrument :
MSVOA_N
ClientSampled :

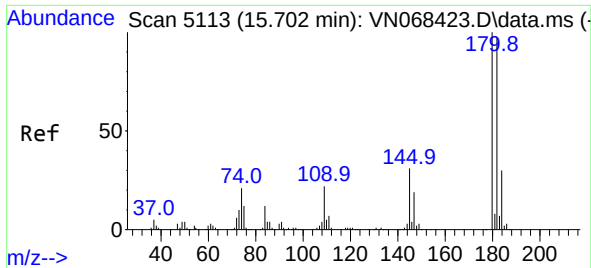
Tgt Ion:180 Resp: 238
Ion Ratio Lower Upper
180 100
182 115.5 47.5 142.6
145 0.0 14.1 42.4#



#95
Naphthalene
Concen: 3.541 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068587.D
Acq: 21 Sep 2021 17:17

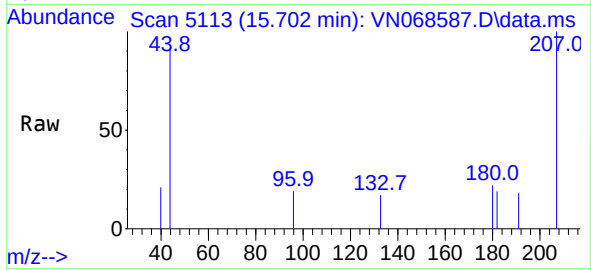
Tgt Ion:128 Resp: 663
Ion Ratio Lower Upper
128 100
127 8.9 10.6 15.8#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.019 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.000 min
 Lab File: VN068587.D
 Acq: 21 Sep 2021 17:17

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	291
Ion	Ratio	Lower	Upper
180	100		
182	78.0	47.9	143.6
145	0.0	15.2	45.5#

