

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072021\
 Data File : VN067815.D
 Acq On : 20 Jul 2021 14:04
 Operator : JC/MD
 Sample : M3031-01ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

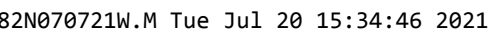
Quant Time: Jul 20 15:34:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

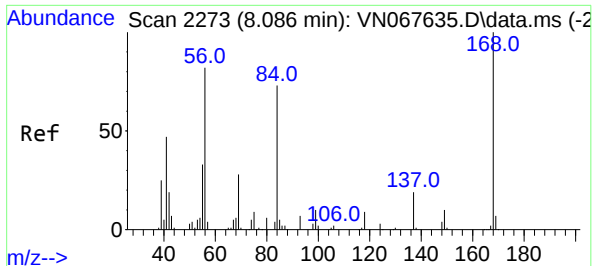
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.080	168	311076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	594879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	545601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	228537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	249513	53.073	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.140%			
35) Dibromofluoromethane	8.019	113	175625	48.865	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.720%			
50) Toluene-d8	10.440	98	746598	49.627	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.734	95	250357	47.109	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.220%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	162	Below Cal	#	77
6) Chloroethane	3.003	64	99	Below Cal	#	44
7) Trichlorofluoromethane	3.261	101	219	Below Cal	#	18
11) Tert butyl alcohol	5.294	59	487	0.721	ug/l #	71
13) Acrolein	4.014	56	52	Below Cal	#	71
16) Acetone	4.283	43	321	0.217	ug/l #	48
18) Methyl Acetate	4.851	43	12873	3.098	ug/l #	64
20) Methylene Chloride	5.066	84	11435	2.652	ug/l	87
29) Tetrahydrofuran	7.708	42	2138	1.324	ug/l #	73
31) Cyclohexane	8.083	56	8647	1.312	ug/l #	22
36) 1,1-Dichloropropene	8.080	75	29003	5.249	ug/l #	52
38) Carbon Tetrachloride	8.078	117	34856	6.395	ug/l #	16
40) Benzene	8.456	78	9476	0.573	ug/l	95
41) Methacrylonitrile	7.705	41	1412	0.513	ug/l #	34
43) Isopropyl Acetate	8.654	43	5789	0.615	ug/l #	58
52) Toluene	10.508	92	2895	0.267	ug/l	96
53) t-1,3-Dichloropropene	10.432	75	60	1.753	ug/l #	43
59) 2-Hexanone	11.095	43	1323	0.328	ug/l	91
68) m/p-Xylenes	11.950	106	2032	0.263	ug/l	96
71) Bromoform	12.726	173	650	3.350	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	141492	30.317	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	141492	97.744	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	552	2.812	ug/l #	64
95) Naphthalene	15.509	128	5182	3.447	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.694	180	435	2.745	ug/l #	26

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

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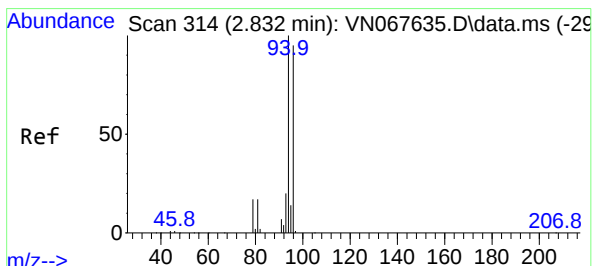
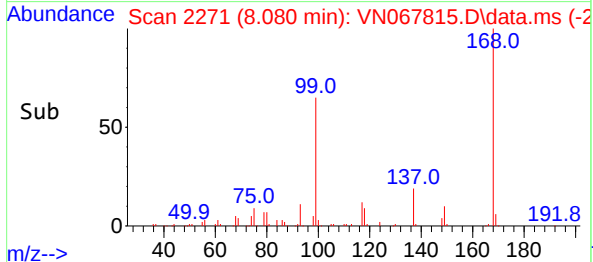
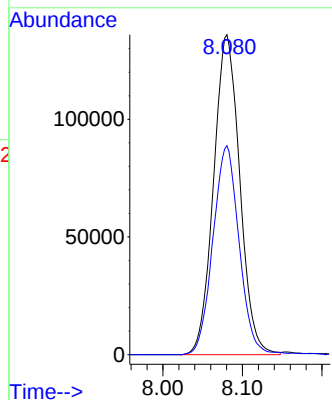
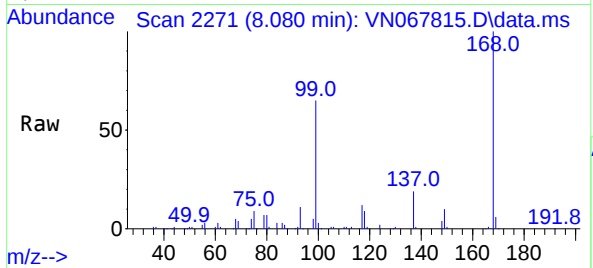




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.006 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

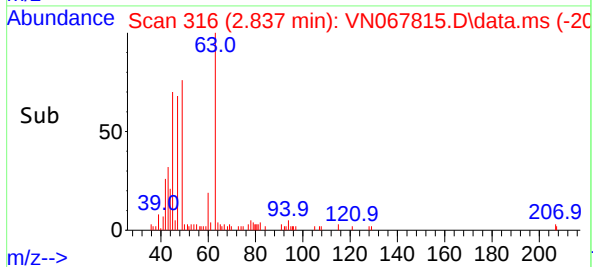
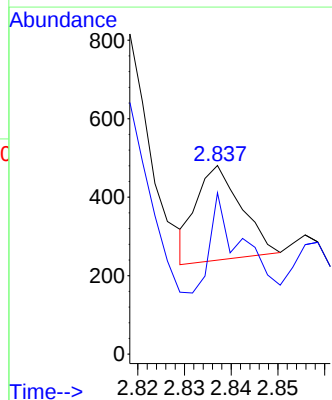
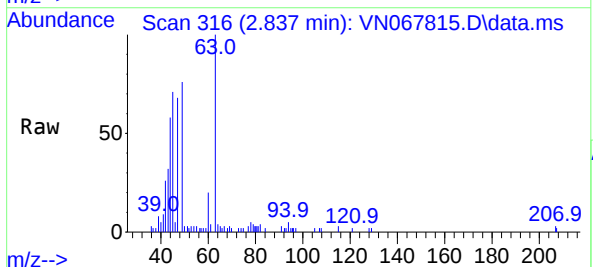
Instrument :
MSVOA_N
ClientSampleId :

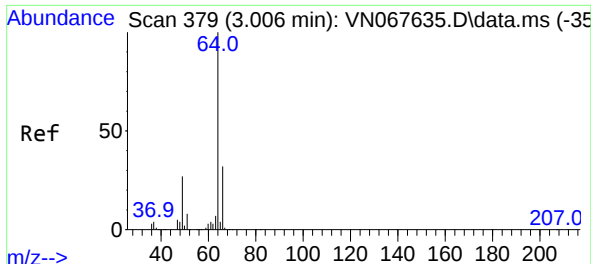
Tgt Ion:168 Resp: 311076
Ion Ratio Lower Upper
168 100
99 65.3 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.005 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 114.0 73.7 110.5#

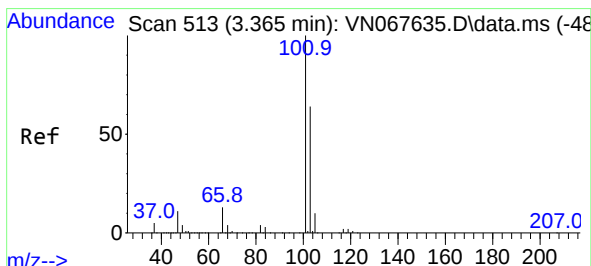
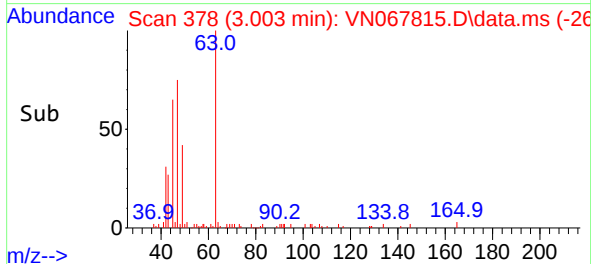
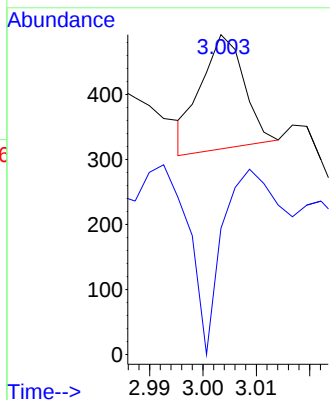
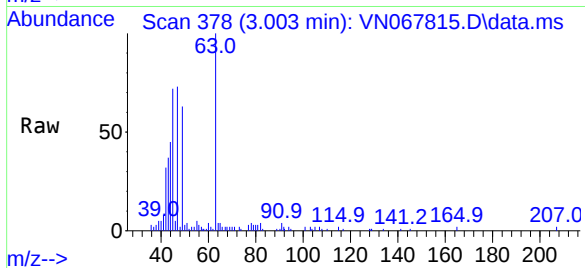




#6
Chloroethane
Concen: Below Cal
RT: 3.003 min Scan# 378
Delta R.T. -0.003 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

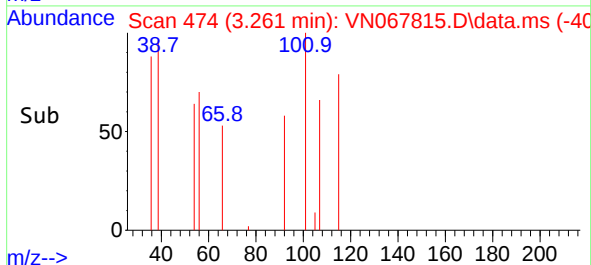
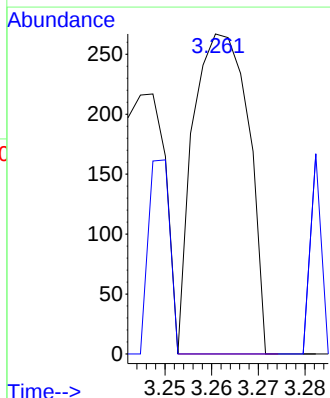
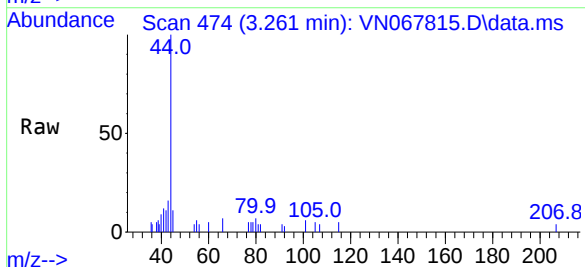
Instrument :
MSVOA_N
ClientSampled :

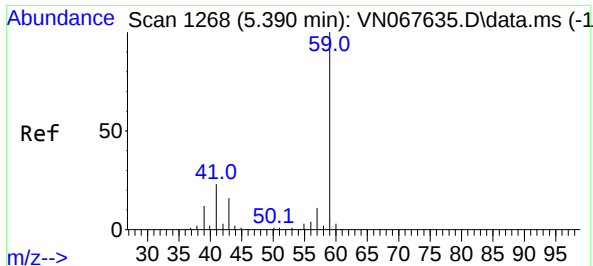
Tgt Ion: 64 Resp: 99
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.261 min Scan# 474
Delta R.T. -0.104 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 101 Resp: 219
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



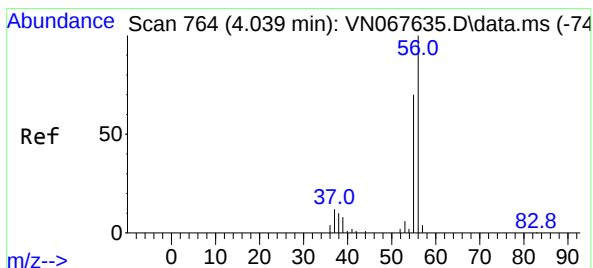
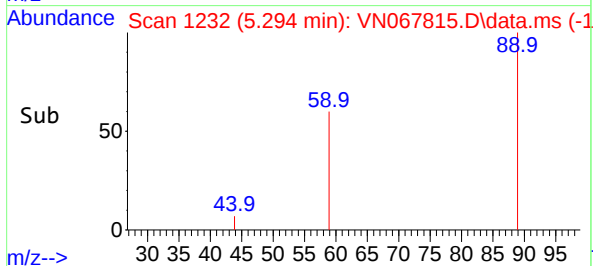
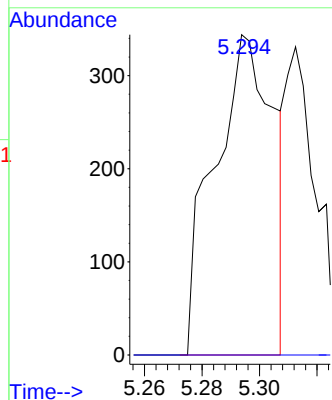
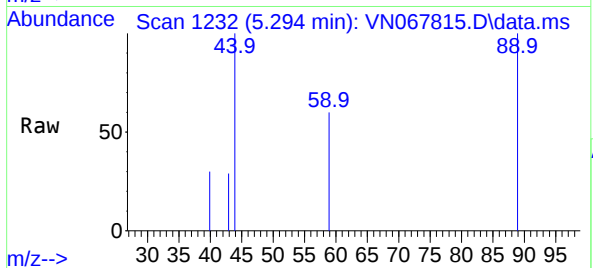


#11

Tert butyl alcohol
Concen: 0.721 ug/l
RT: 5.294 min Scan# 1232
Delta R.T. -0.096 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Instrument :
MSVOA_N
ClientSampleId :

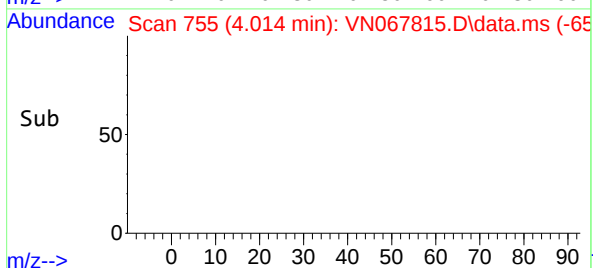
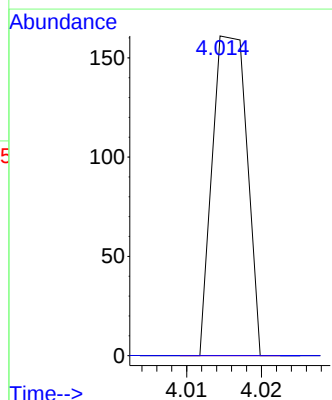
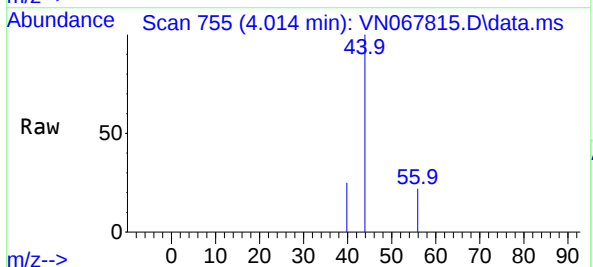
Tgt Ion: 59 Resp: 487
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

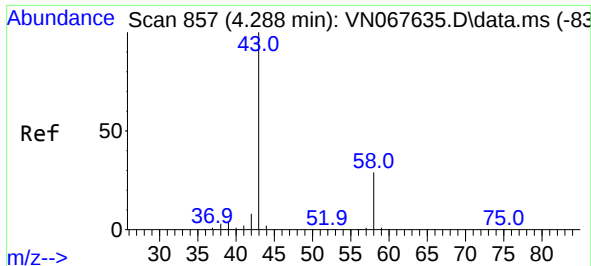


#13

Acrolein
Concen: Below Cal
RT: 4.014 min Scan# 755
Delta R.T. -0.025 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 96.2 57.4 86.0#

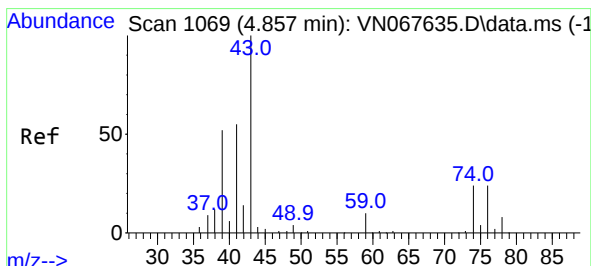
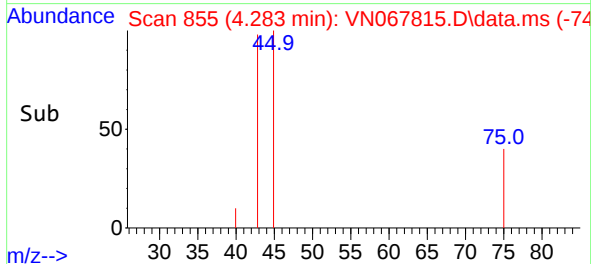
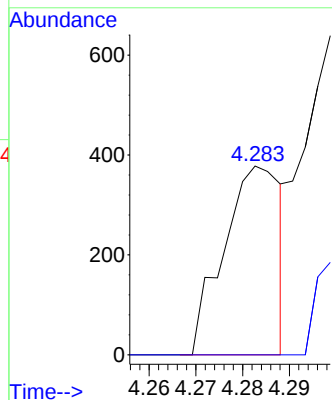
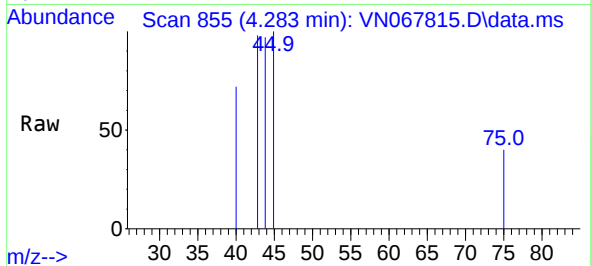




#16
Acetone
Concen: 0.217 ug/l
RT: 4.283 min Scan# 855
Delta R.T. -0.005 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

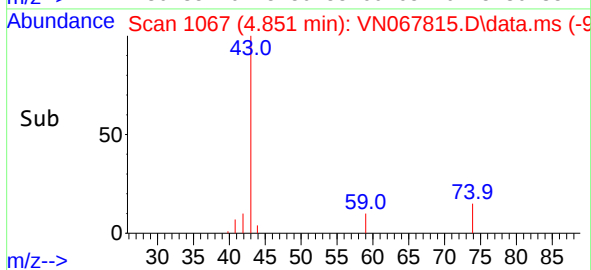
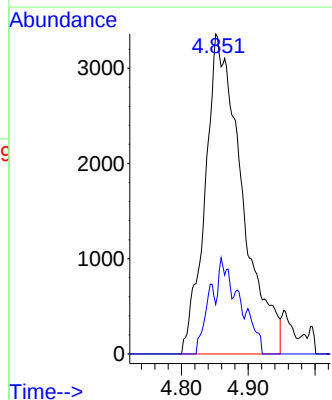
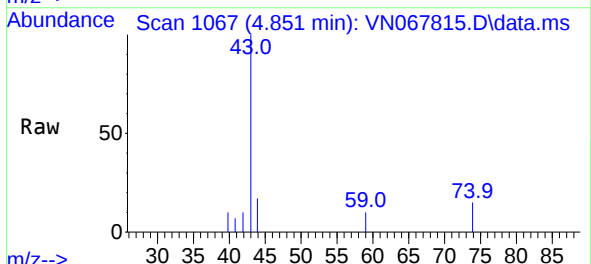
Instrument :
MSVOA_N
ClientSampleId :

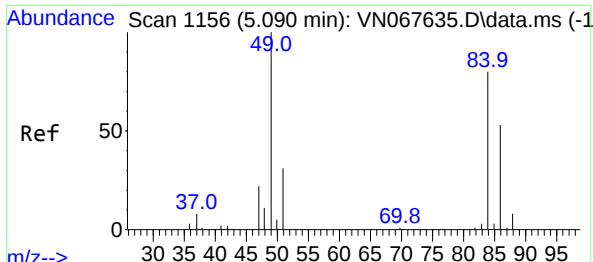
Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: 3.098 ug/l
RT: 4.851 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 43 Resp: 12873
Ion Ratio Lower Upper
43 100
74 4.6 17.4 26.0#



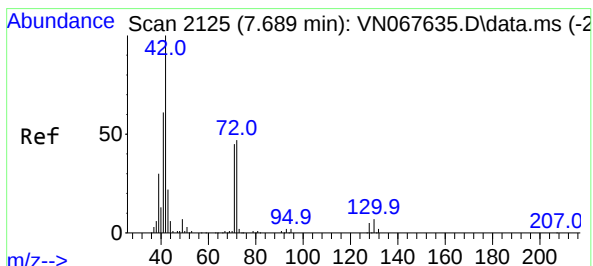
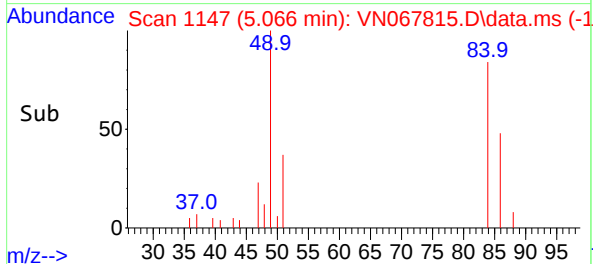
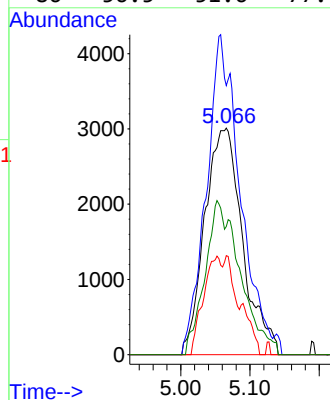
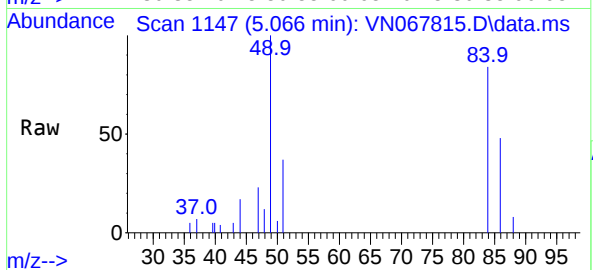


#20
Methylene Chloride
Concen: 2.652 ug/l
RT: 5.066 min Scan# 1147
Delta R.T. -0.024 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 11435

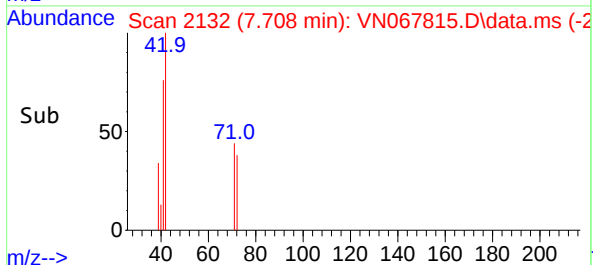
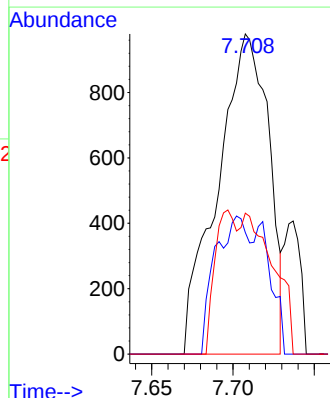
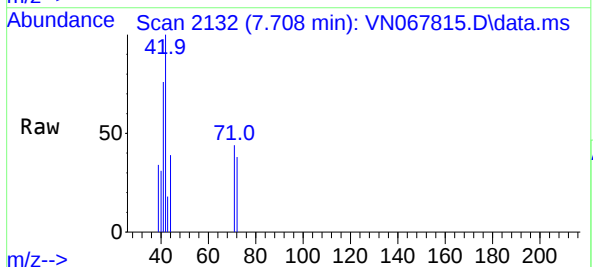
Ion	Ratio	Lower	Upper
84	100		
49	118.8	110.9	166.3
51	43.7	32.6	49.0
86	56.5	51.6	77.4

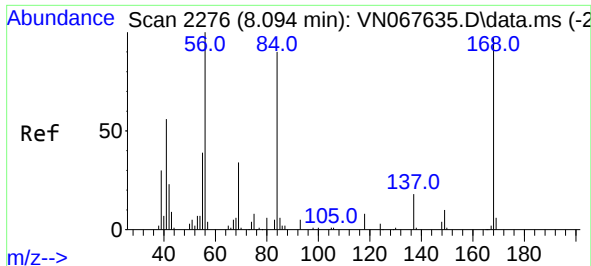


#29
Tetrahydrofuran
Concen: 1.324 ug/l
RT: 7.708 min Scan# 2132
Delta R.T. 0.019 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 42 Resp: 2138

Ion	Ratio	Lower	Upper
42	100		
72	27.9	32.8	49.2#
71	18.9	31.2	46.8#

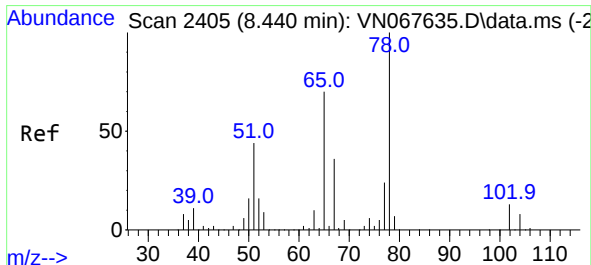
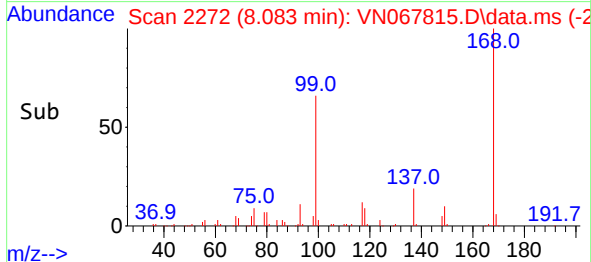
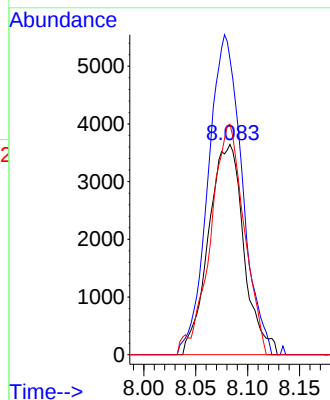
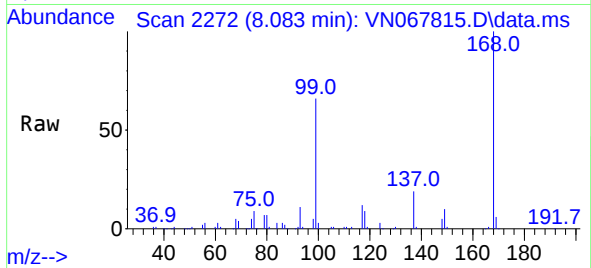




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

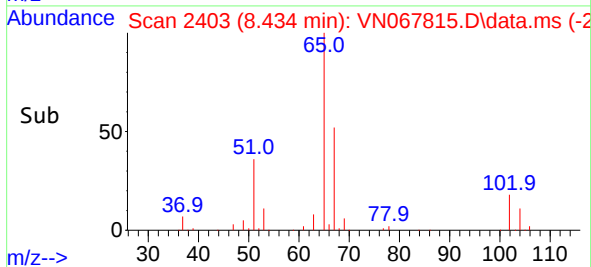
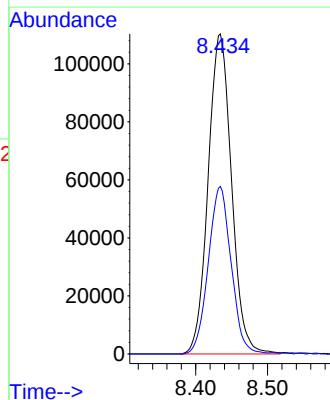
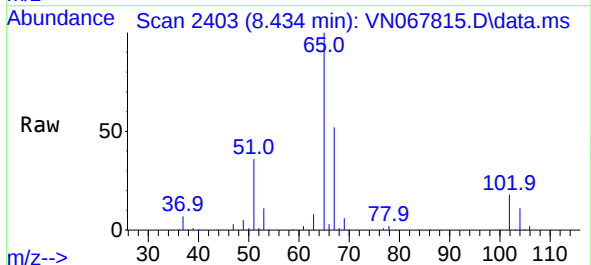
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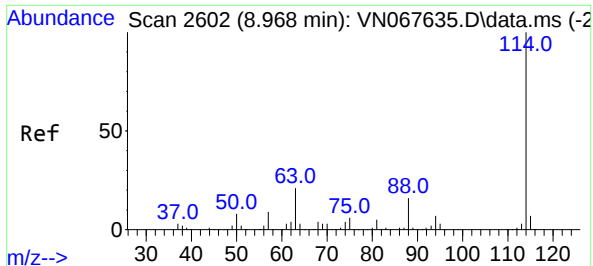
Tgt Ion: 56 Resp: 8647
Ion Ratio Lower Upper
56 100
69 140.7 27.3 40.9#
84 109.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.073 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 65 Resp: 249513
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6



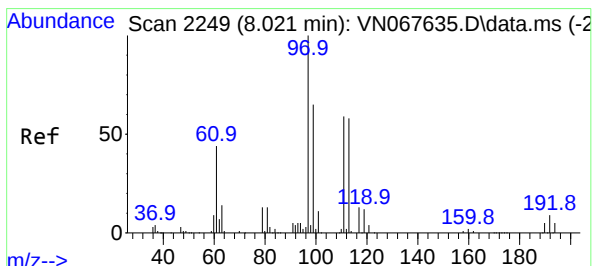
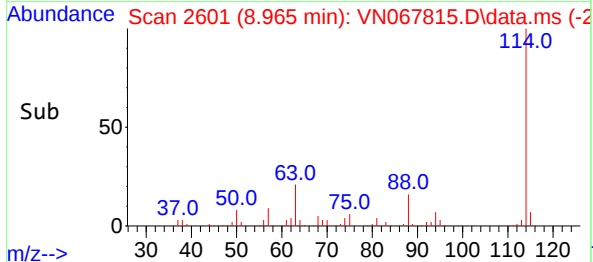
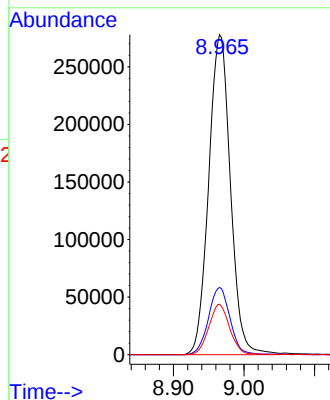
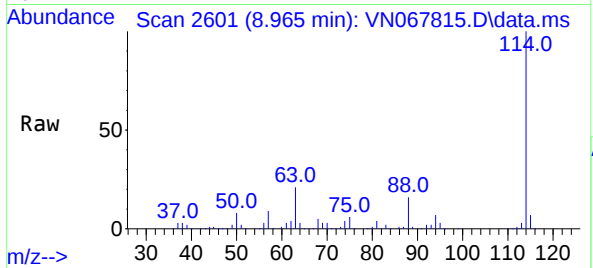


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:114 Resp: 594879

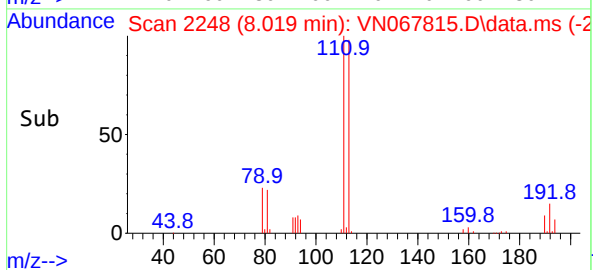
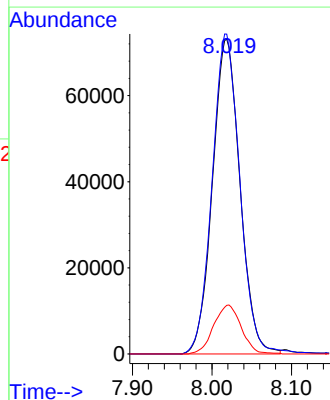
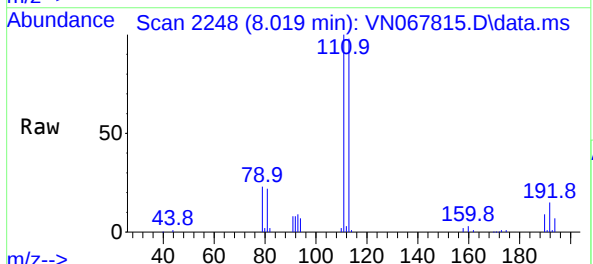
Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	49.0
88	15.8	0.0	36.6

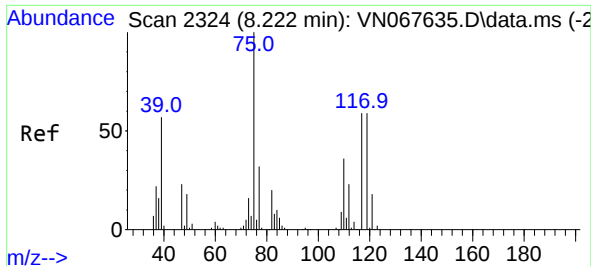


#35
Dibromofluoromethane
Concen: 48.865 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion:113 Resp: 175625

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.8	125.8
192	15.6	13.4	20.0

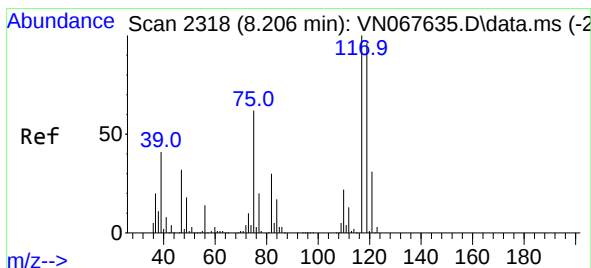
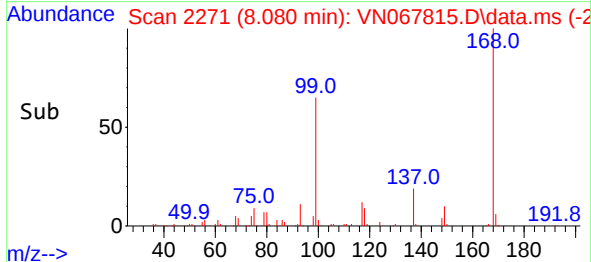
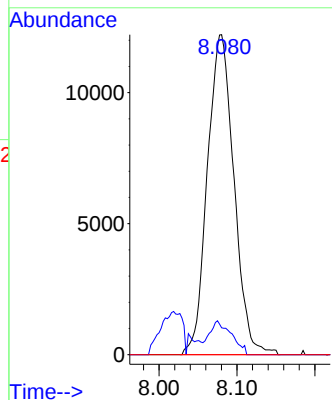
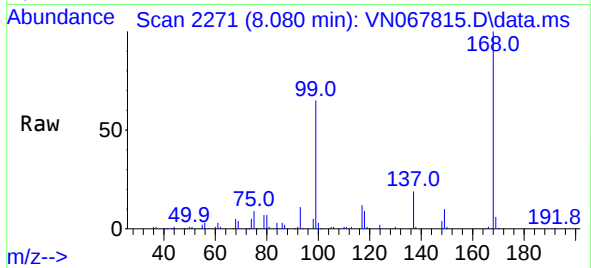




#36
1,1-Dichloropropene
Concen: 5.249 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.142 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

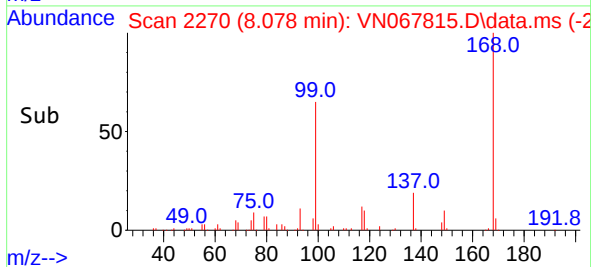
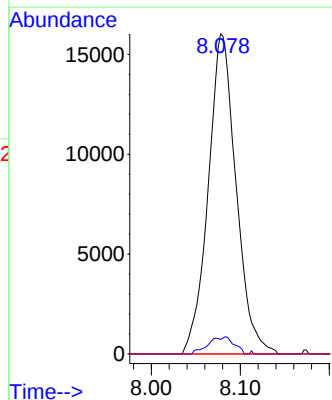
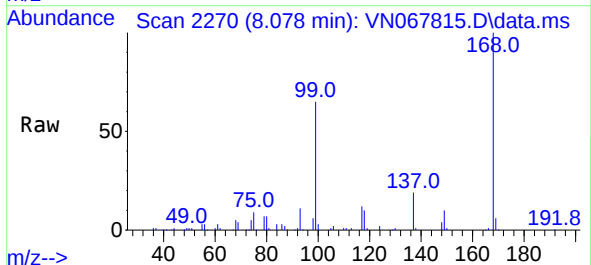
Instrument :
MSVOA_N
ClientSampleId :

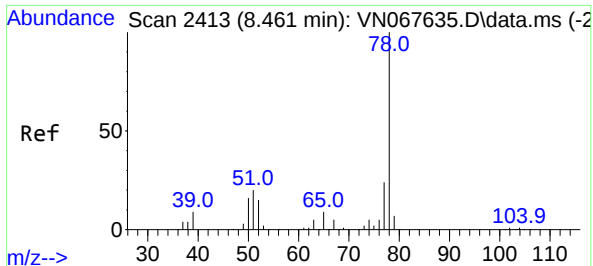
Tgt Ion: 75 Resp: 29003
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.395 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 117 Resp: 34856
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#

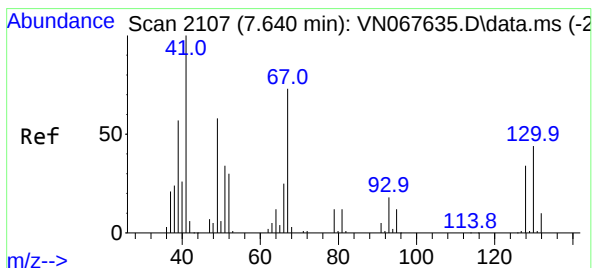
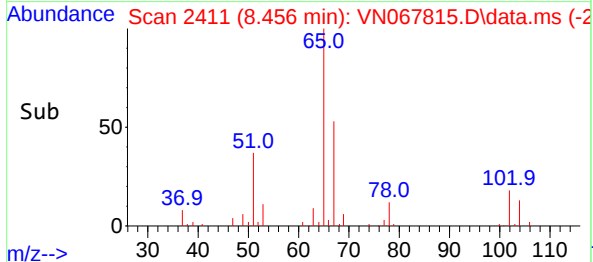
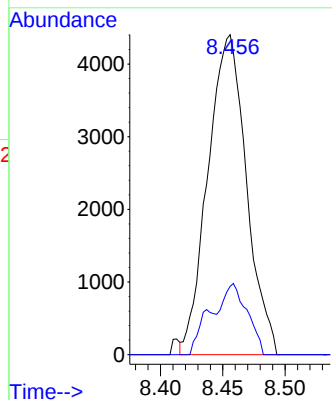
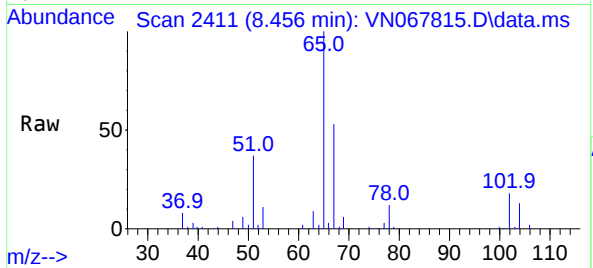




#40
Benzene
Concen: 0.573 ug/l
RT: 8.456 min Scan# 2411
Delta R.T. -0.005 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

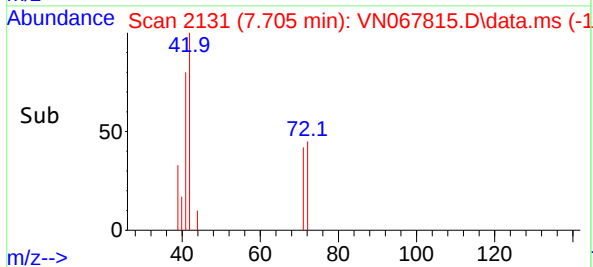
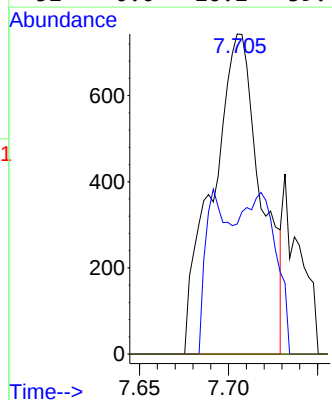
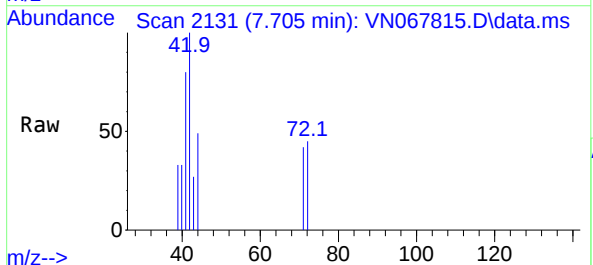
Instrument :
MSVOA_N
ClientSampled :

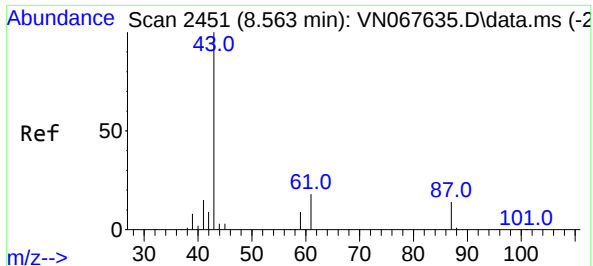
Tgt Ion: 78 Resp: 9476
Ion Ratio Lower Upper
78 100
77 21.4 18.9 28.3



#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.065 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 41 Resp: 1412
Ion Ratio Lower Upper
41 100
39 24.9 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

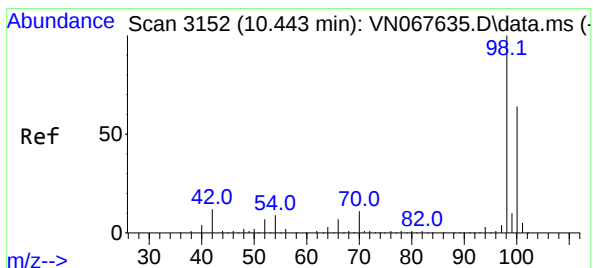
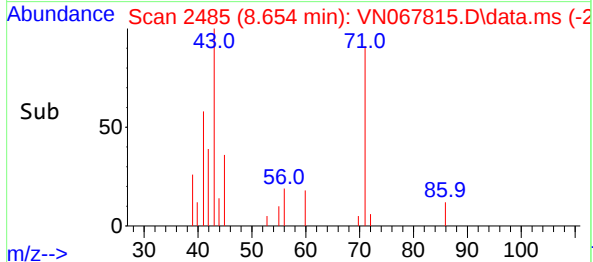
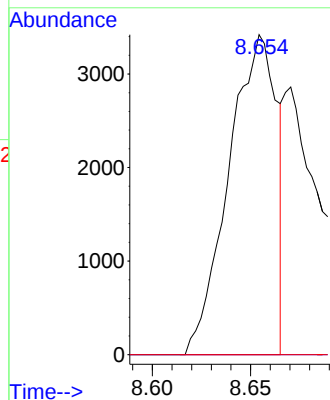
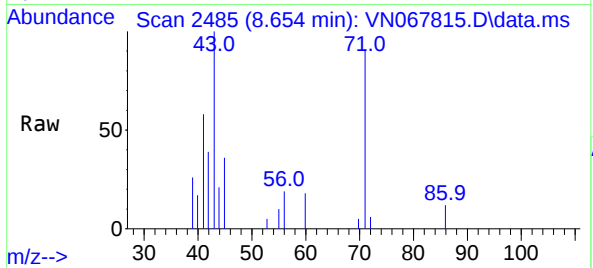




#43
Isopropyl Acetate
Concen: 0.615 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.091 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

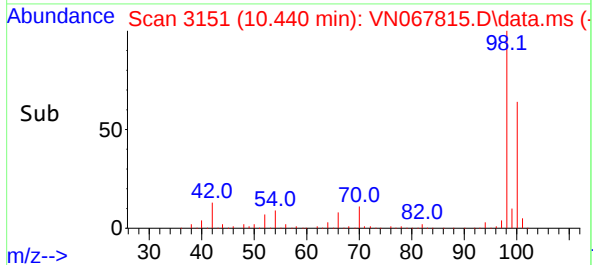
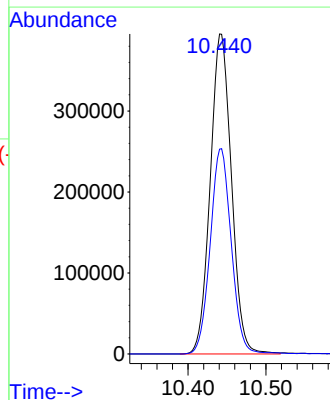
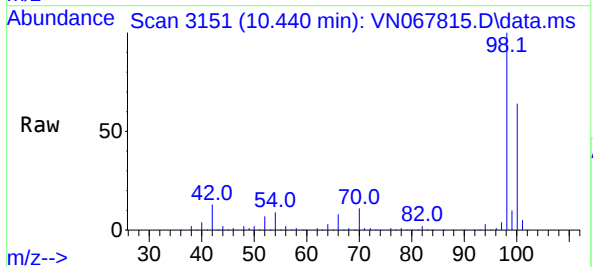
Instrument :
MSVOA_N
ClientSampleId :

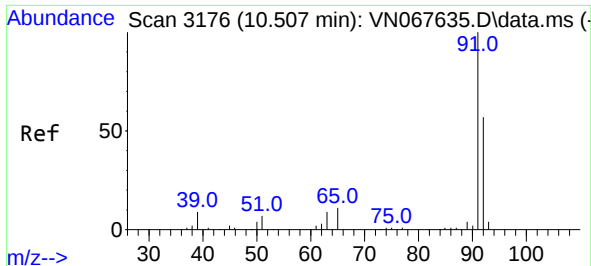
Tgt Ion: 43 Resp: 5789
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.627 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 98 Resp: 746598
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

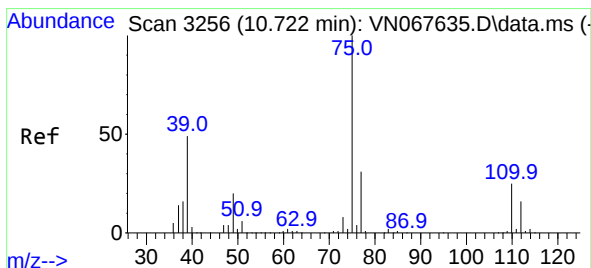
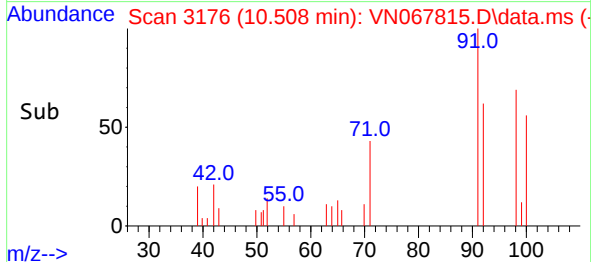
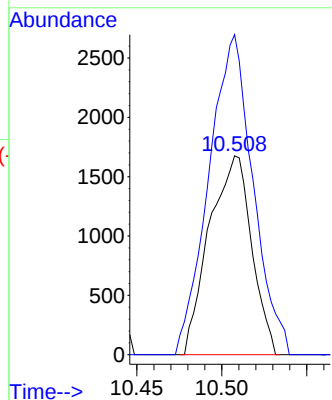
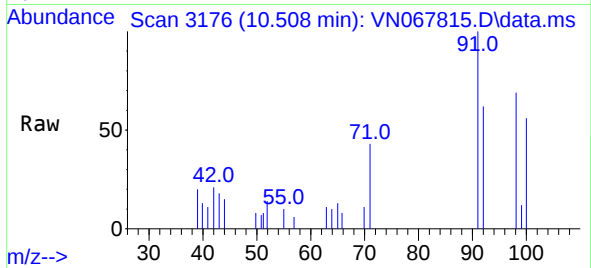




#52
Toluene
Concen: 0.267 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.001 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

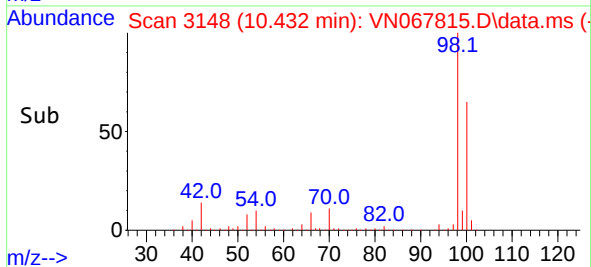
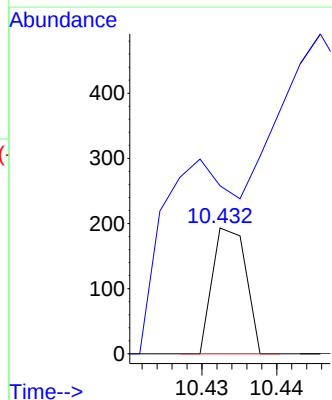
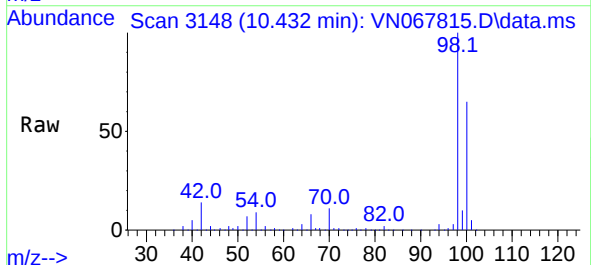
Instrument :
MSVOA_N
ClientSampled :

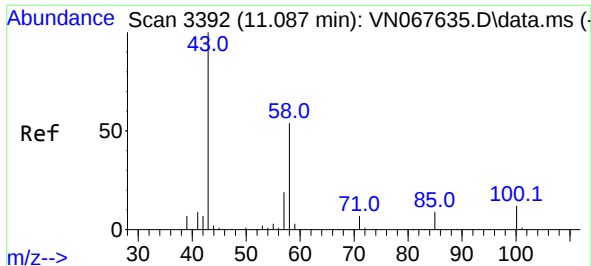
Tgt Ion: 92 Resp: 2895
Ion Ratio Lower Upper
92 100
91 168.5 139.6 209.4



#53
t-1,3-Dichloropropene
Concen: 1.753 ug/l
RT: 10.432 min Scan# 3148
Delta R.T. -0.290 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

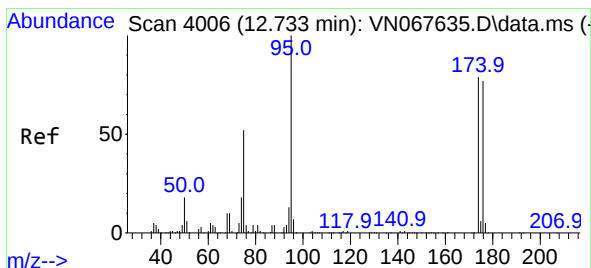
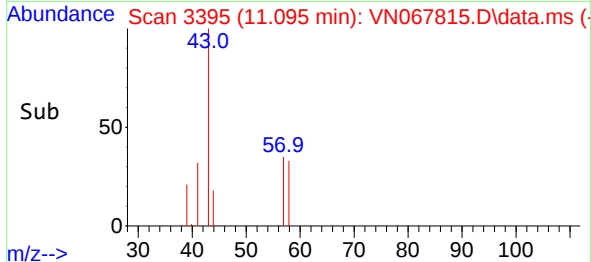
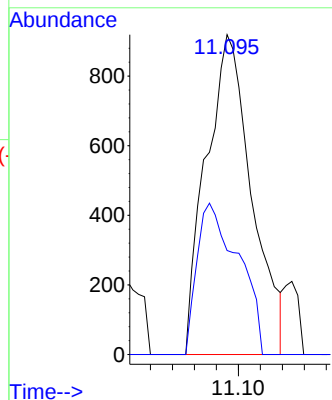
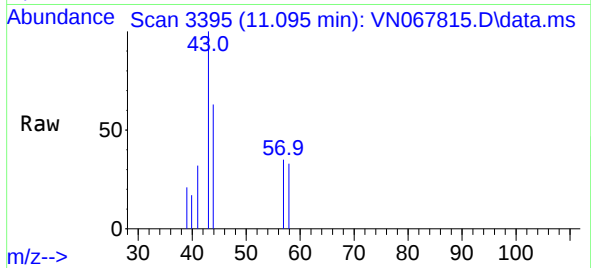




#59
2-Hexanone
Concen: 0.328 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

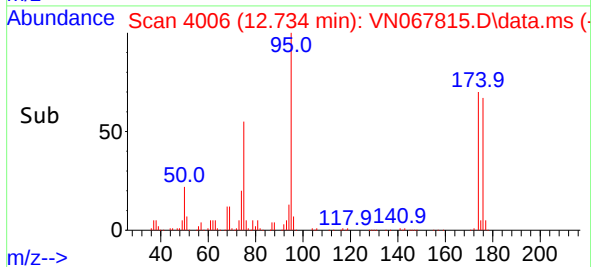
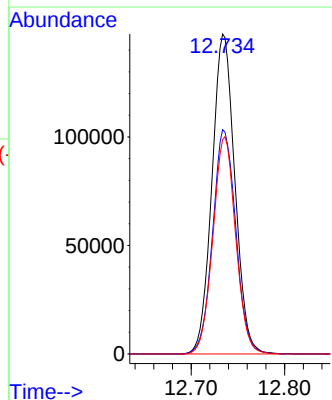
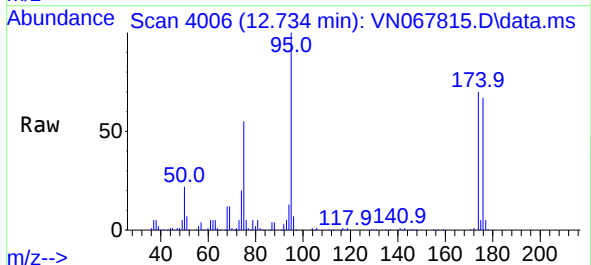
Instrument :
MSVOA_N
ClientSampleId :

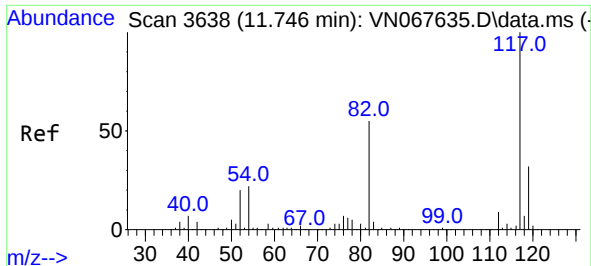
Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 43.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 47.109 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 95 Resp: 250357
Ion Ratio Lower Upper
95 100
174 71.3 0.0 122.0
176 67.6 0.0 117.6

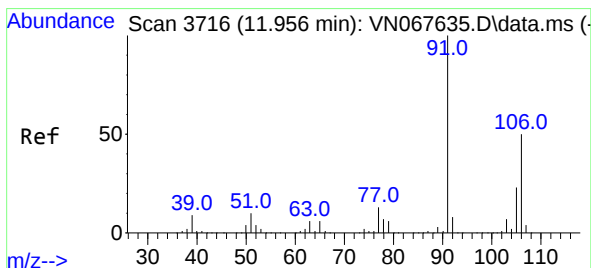
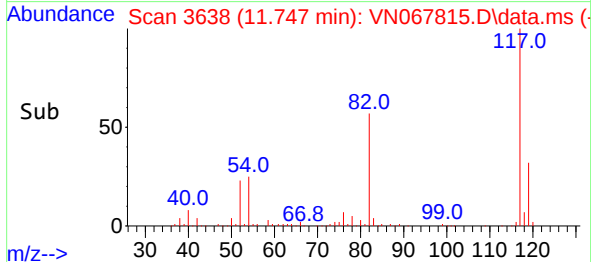
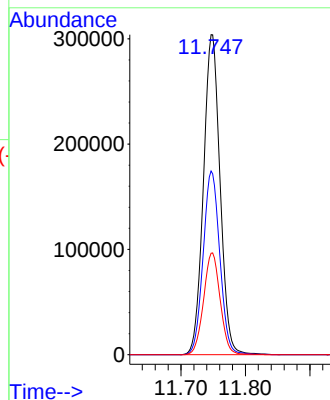
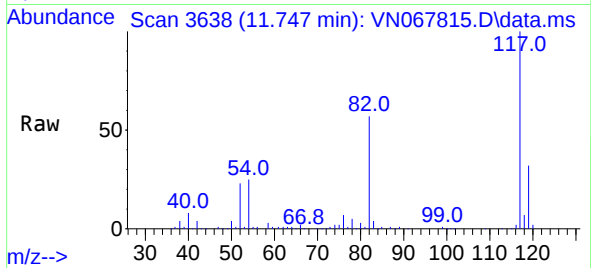




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

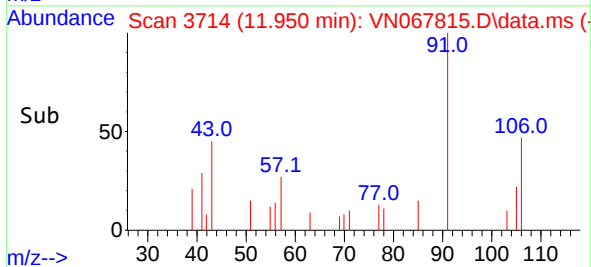
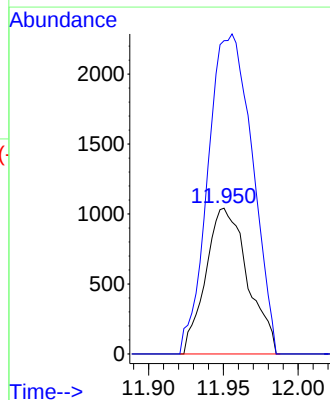
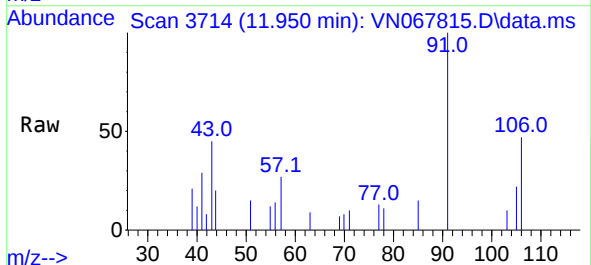
Instrument :
MSVOA_N
ClientSampleId :

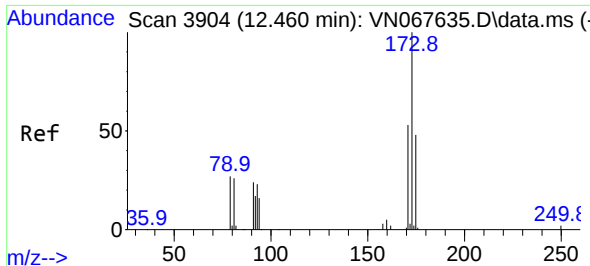
Tgt Ion:117 Resp: 545601
Ion Ratio Lower Upper
117 100
82 57.4 53.1 79.7
119 31.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.263 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion:106 Resp: 2032
Ion Ratio Lower Upper
106 100
91 232.5 180.6 270.8

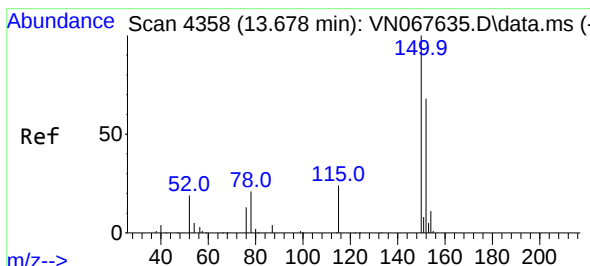
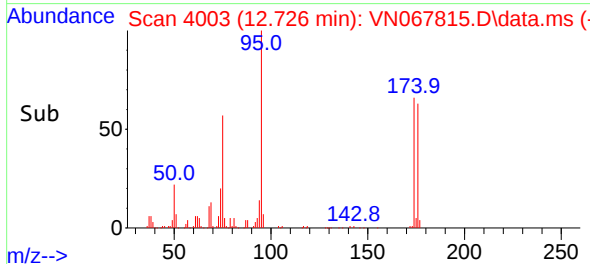
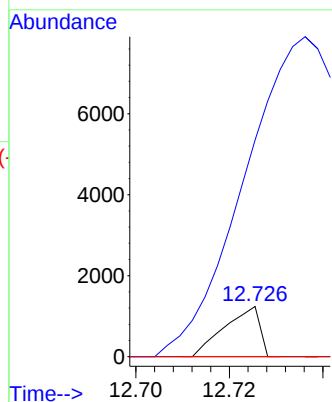
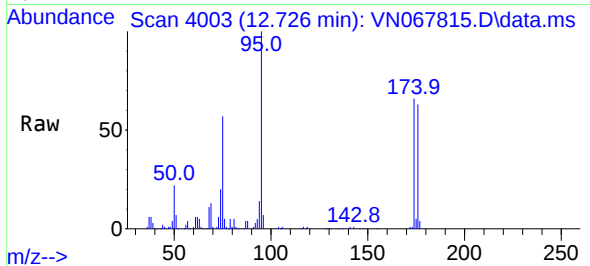




#71
Bromoform
Concen: 3.350 ug/l
RT: 12.726 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

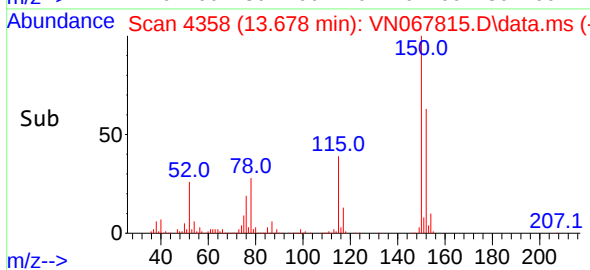
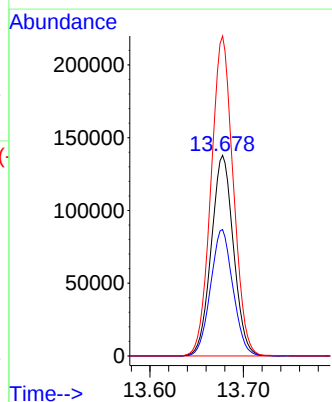
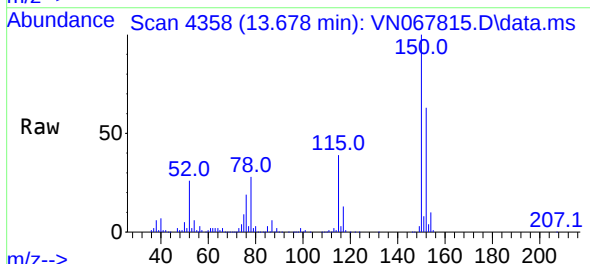
Instrument :
MSVOA_N
ClientSampleId :

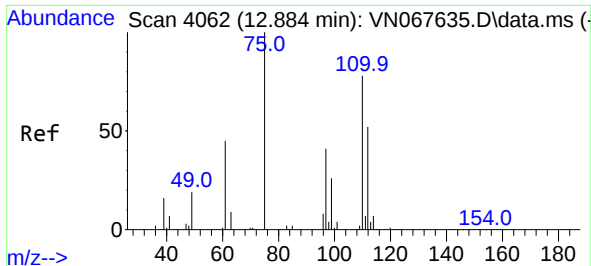
Tgt Ion:173 Resp: 650
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion:152 Resp: 228537
Ion Ratio Lower Upper
152 100
115 63.5 36.1 108.5
150 159.3 0.0 351.8

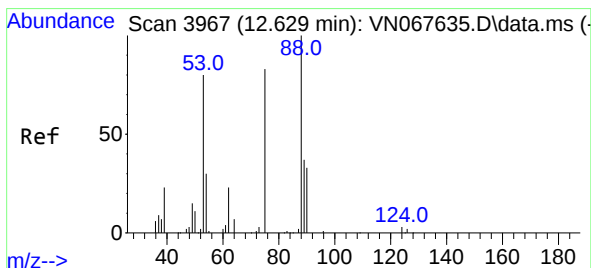
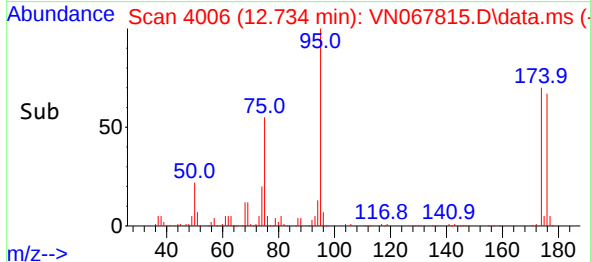
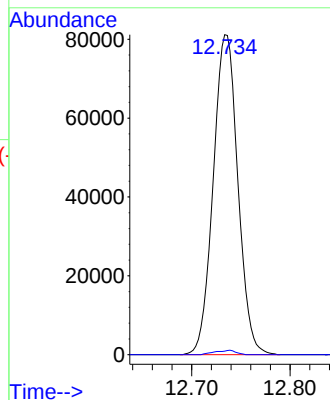
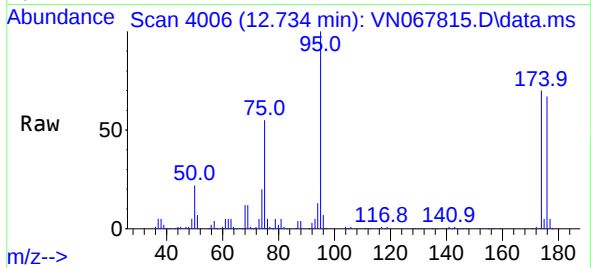




#76
1,2,3-Trichloropropane
Concen: 30.317 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

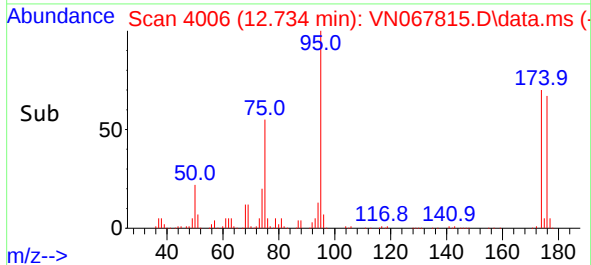
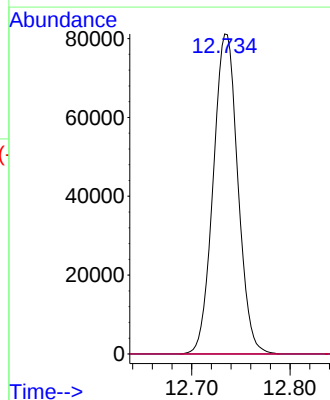
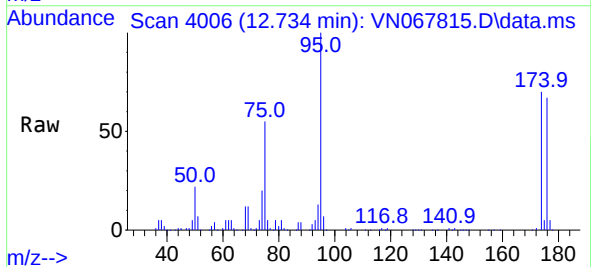
Instrument :
MSVOA_N
ClientSampled :

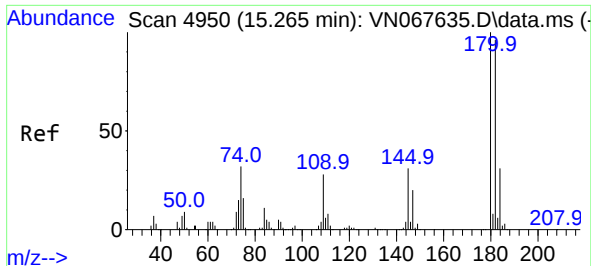
Tgt Ion: 75 Resp: 141492
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.744 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

Tgt Ion: 75 Resp: 141492
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

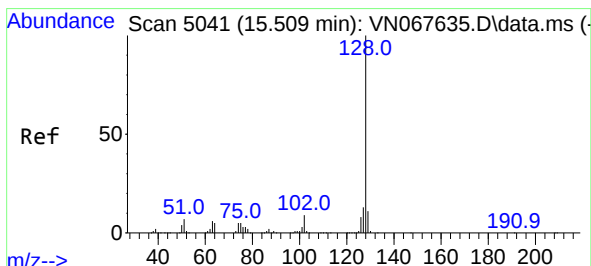
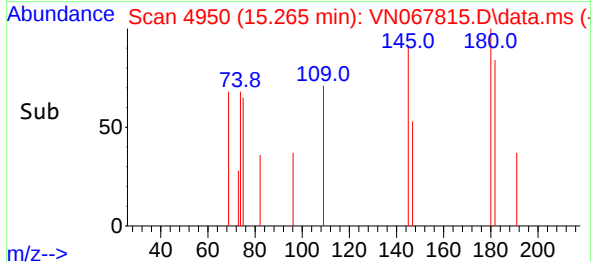
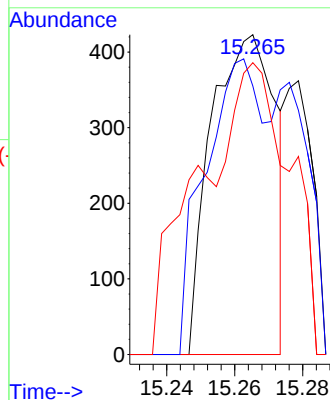
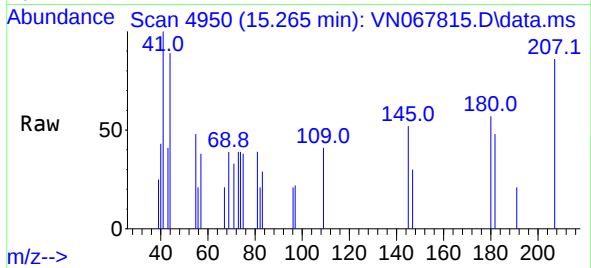




#93
1,2,4-Trichlorobenzene
Concen: 2.812 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

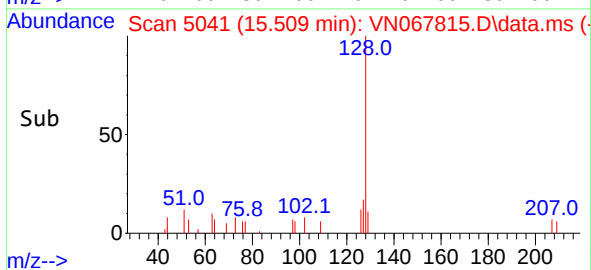
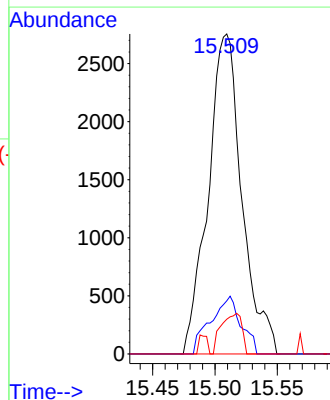
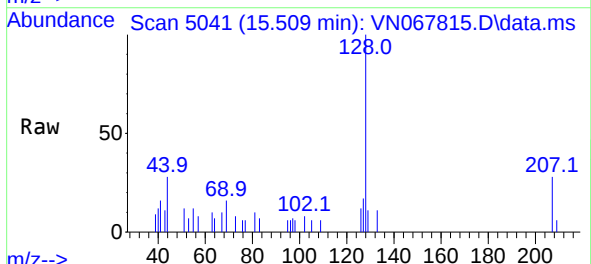
Instrument :
MSVOA_N
ClientSampled :

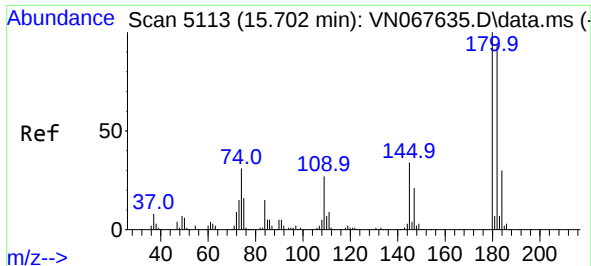
Tgt Ion:180 Resp: 552
Ion Ratio Lower Upper
180 100
182 79.9 47.5 142.5
145 86.8 17.2 51.6#



#95
Naphthalene
Concen: 3.447 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067815.D
Acq: 20 Jul 2021 14:04

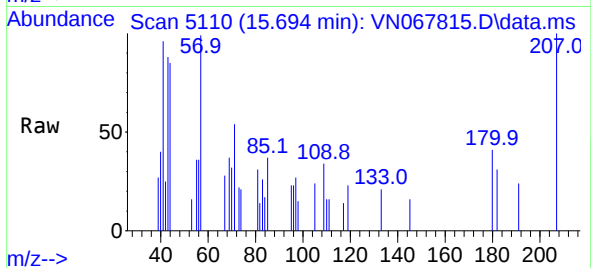
Tgt Ion:128 Resp: 5182
Ion Ratio Lower Upper
128 100
127 16.3 10.6 15.8#
129 7.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.745 ug/l
 RT: 15.694 min Scan# 5110
 Delta R.T. -0.008 min
 Lab File: VN067815.D
 Acq: 20 Jul 2021 14:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 435
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 30.6 18.2 54.6

