

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068346.D
 Acq On : 27 Aug 2021 15:55
 Operator : JC/MD
 Sample : M3524-07
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 28 01:28:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

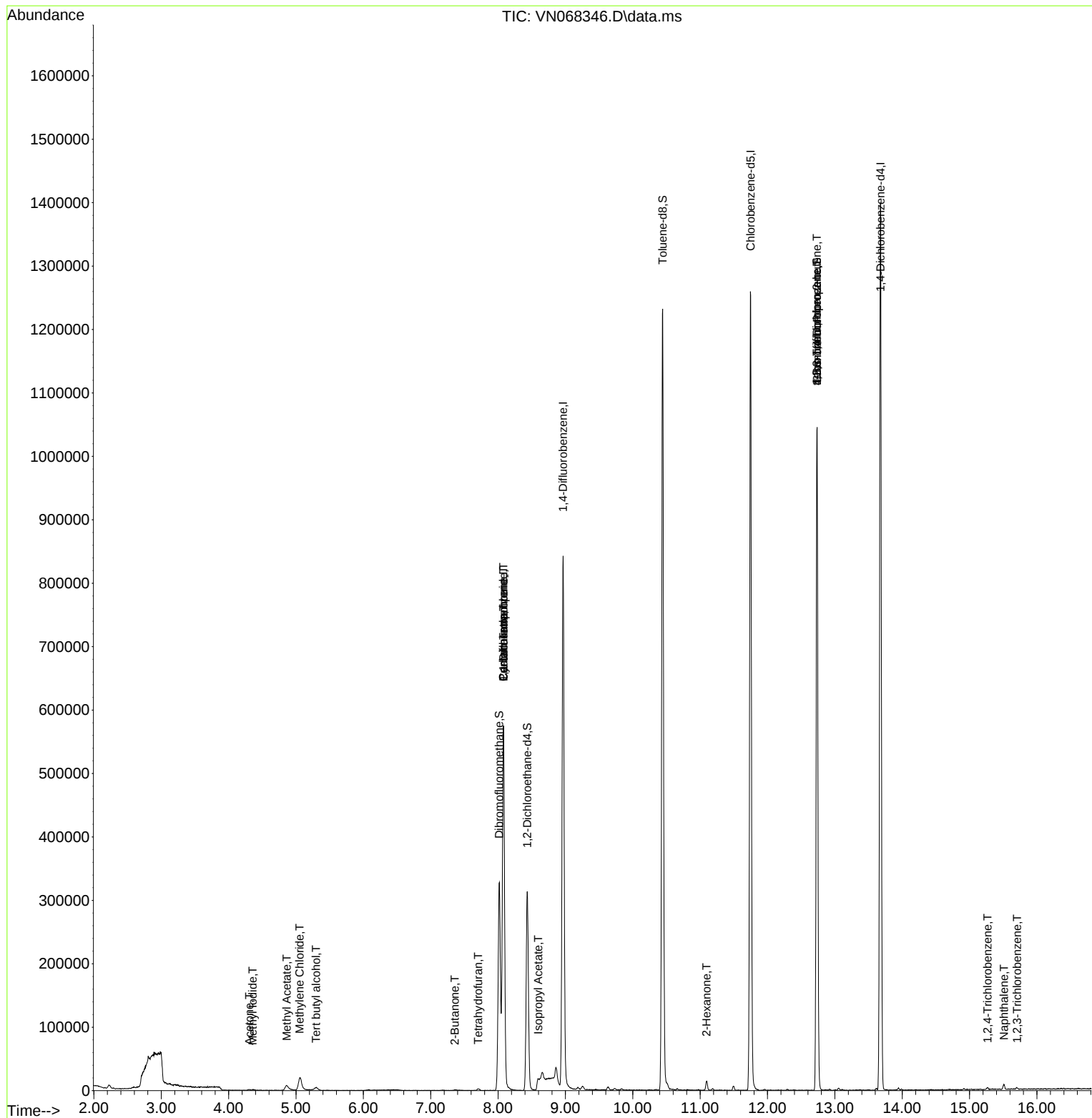
Internal Standards						
1) Pentafluorobenzene	8.080	168	478030	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	816360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	804950	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	426219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	266790	52.270	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	104.540%		
35) Dibromofluoromethane	8.016	113	236911	46.224	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.440%		
50) Toluene-d8	10.443	98	915572	46.882	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.760%		
62) 4-Bromofluorobenzene	12.733	95	350751	53.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.845	94	161	Below Cal	#	5
6) Chloroethane	2.987	64	47	Below Cal	#	49
10) Methyl Iodide	4.358	142	1371	0.239	ug/l #	85
11) Tert butyl alcohol	5.299	59	2251	3.536	ug/l #	71
16) Acetone	4.307	43	1591	1.068	ug/l	93
18) Methyl Acetate	4.862	43	16651	1.219	ug/l #	81
20) Methylene Chloride	5.055	84	17942	2.324	ug/l #	79
25) 2-Butanone	7.356	43	1161	0.500	ug/l #	87
29) Tetrahydrofuran	7.705	42	1578	1.062	ug/l #	79
31) Cyclohexane	8.080	56	8433	1.254	ug/l #	6
36) 1,1-Dichloropropene	8.080	75	30589	4.584	ug/l #	53
38) Carbon Tetrachloride	8.080	117	45428	5.902	ug/l #	16
43) Isopropyl Acetate	8.595	43	12413	1.363	ug/l #	58
59) 2-Hexanone	11.095	43	3554	0.915	ug/l	69
71) Bromoform	12.736	173	3064	0.615	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	176719	24.946	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	176719	81.726	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	1491	2.883	ug/l	90
95) Naphthalene	15.509	128	8333	3.809	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.705	180	1191	2.998	ug/l #	57

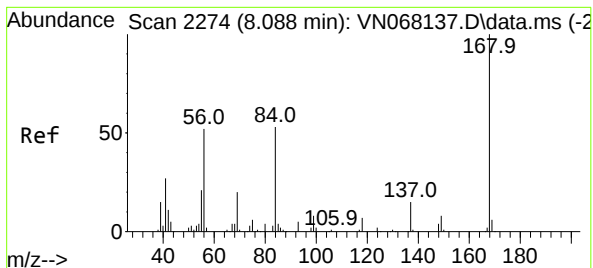
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.008 min

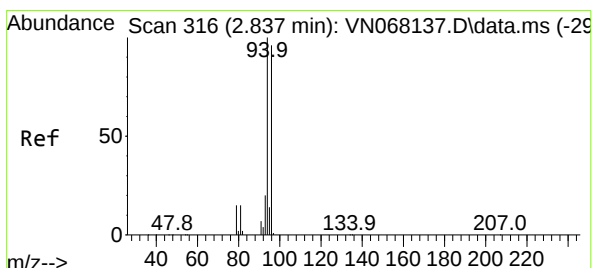
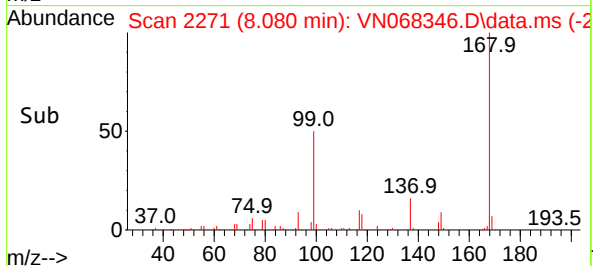
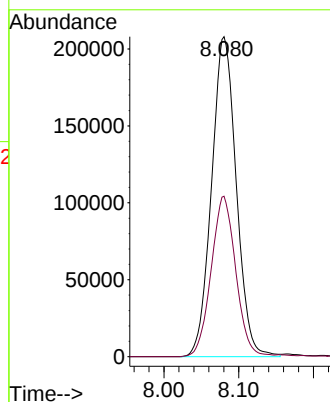
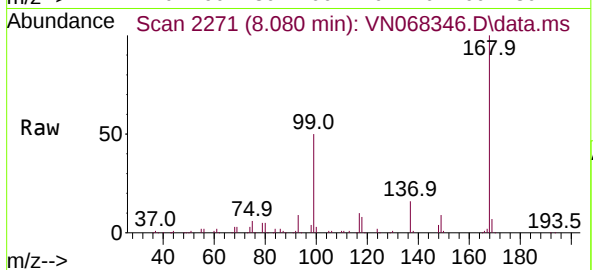
Lab File: VN068346.D

Acq: 27 Aug 2021 15:55

Tgt Ion:168 Resp: 478030

Ion Ratio Lower Upper

168 100
99 50.1 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.845 min Scan# 319

Delta R.T. 0.008 min

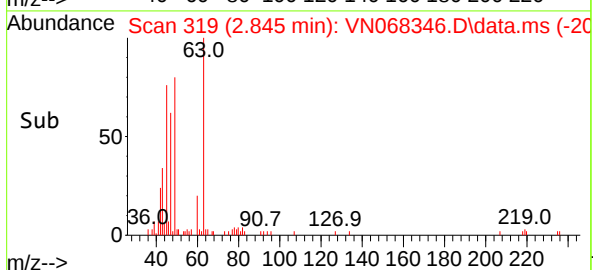
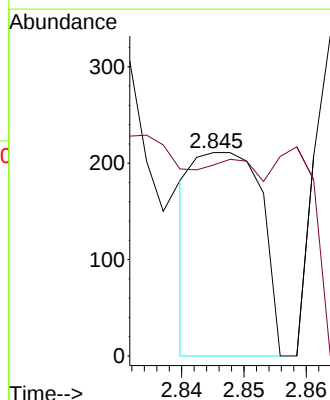
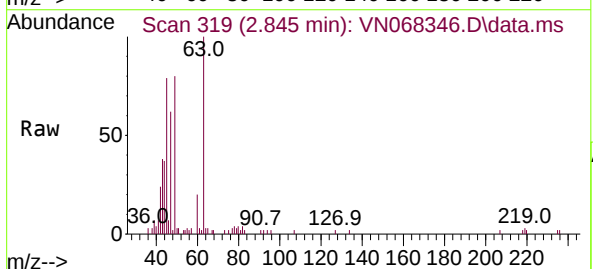
Lab File: VN068346.D

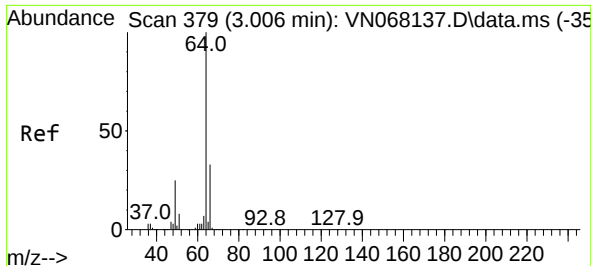
Acq: 27 Aug 2021 15:55

Tgt Ion: 94 Resp: 161

Ion Ratio Lower Upper

94 100
96 1.9 73.7 110.5#

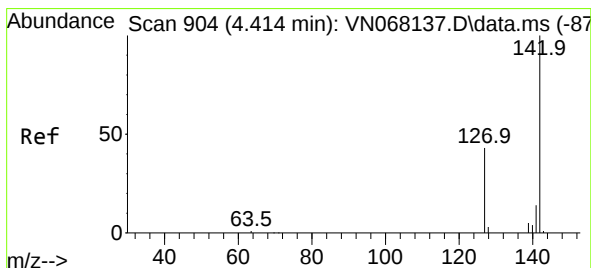
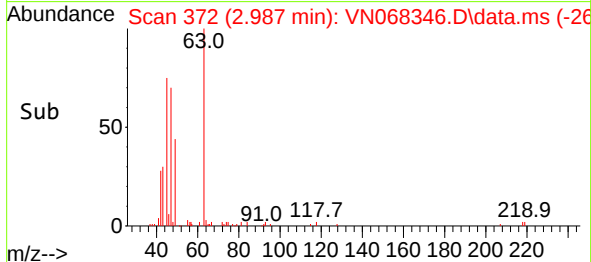
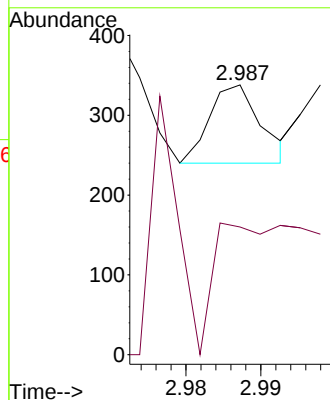
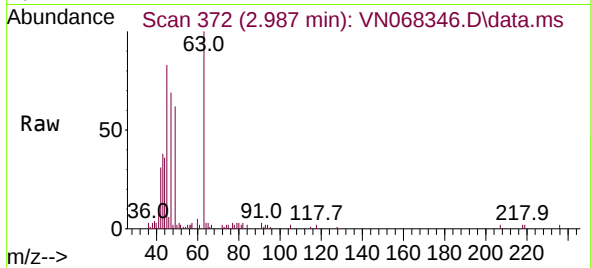




#6
Chloroethane
Concen: Below Cal
RT: 2.987 min Scan# 372
Delta R.T. -0.019 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

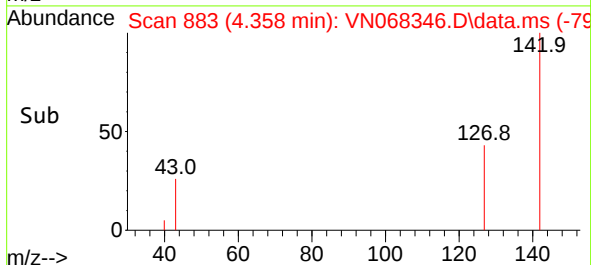
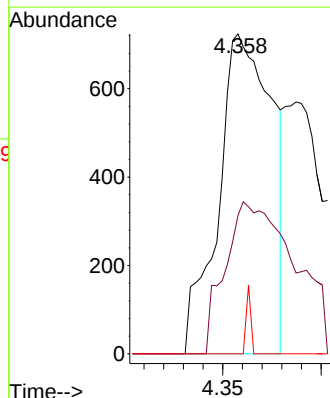
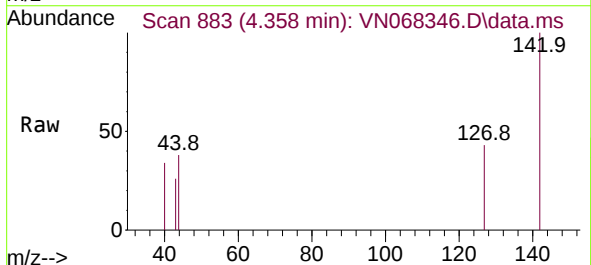
Instrument :
MSVOA_N
ClientSampled :

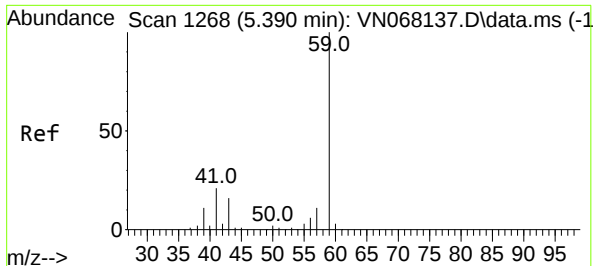
Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 3.1 24.7 37.1#



#10
Methyl Iodide
Concen: 0.239 ug/l
RT: 4.358 min Scan# 883
Delta R.T. -0.056 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 142 Resp: 1371
Ion Ratio Lower Upper
142 100
127 61.6 43.1 64.7
141 1.8 11.4 17.0#



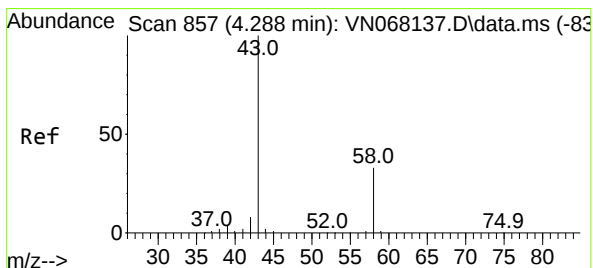
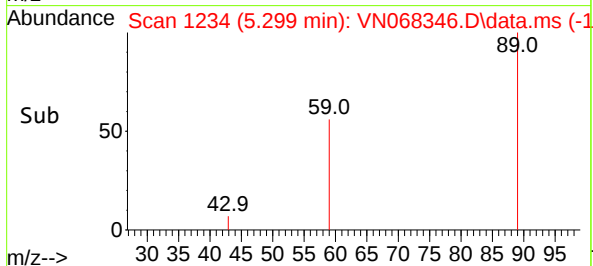
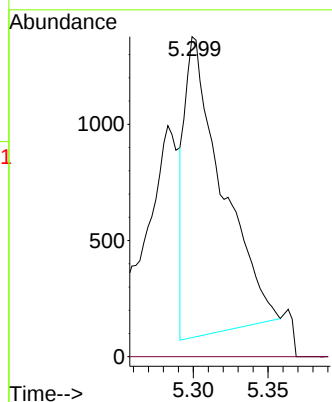
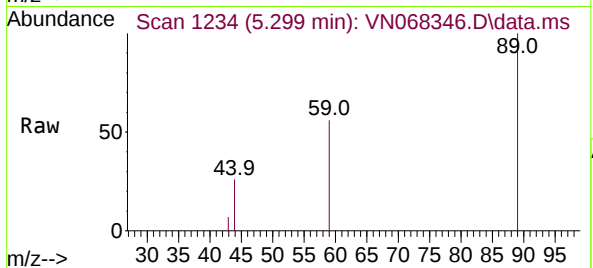


#11

Tert butyl alcohol
Concen: 3.536 ug/l
RT: 5.299 min Scan# 1234
Delta R.T. -0.091 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Instrument :
MSVOA_N
ClientSampled :

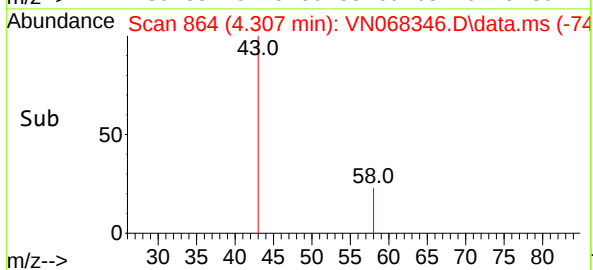
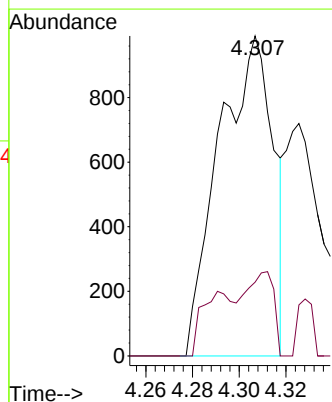
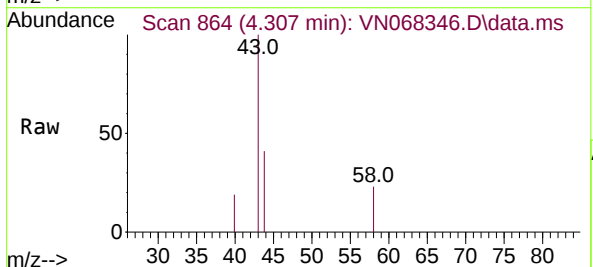
Tgt Ion: 59 Resp: 2251
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

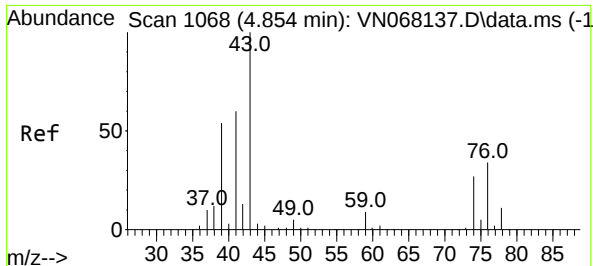


#16

Acetone
Concen: 1.068 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.019 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 43 Resp: 1591
Ion Ratio Lower Upper
43 100
58 23.0 21.2 31.8





#18

Methyl Acetate

Concen: 1.219 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN068346.D

Acq: 27 Aug 2021 15:55

Tgt Ion: 43 Resp: 16651

Ion Ratio Lower Upper

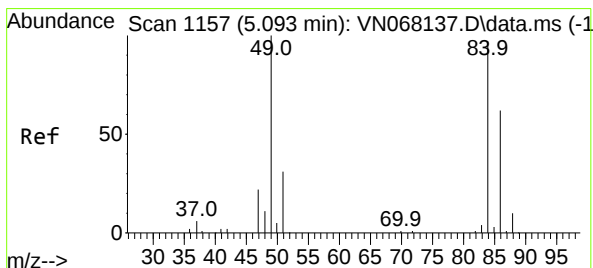
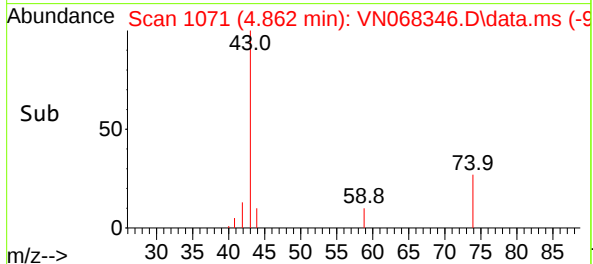
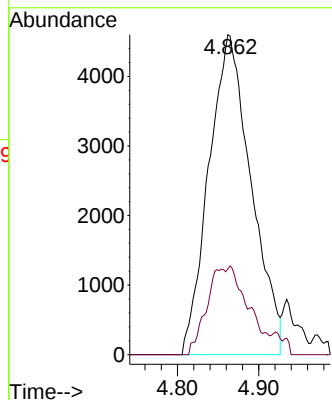
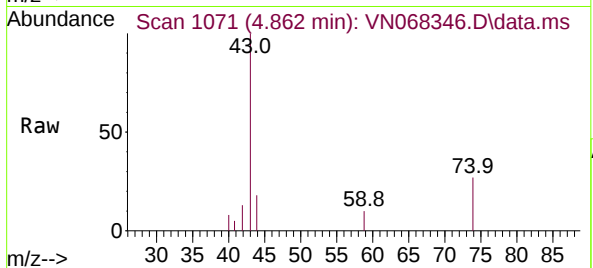
43 100

74 12.5 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 2.324 ug/l

RT: 5.055 min Scan# 1143

Delta R.T. -0.038 min

Lab File: VN068346.D

Acq: 27 Aug 2021 15:55

Tgt Ion: 84 Resp: 17942

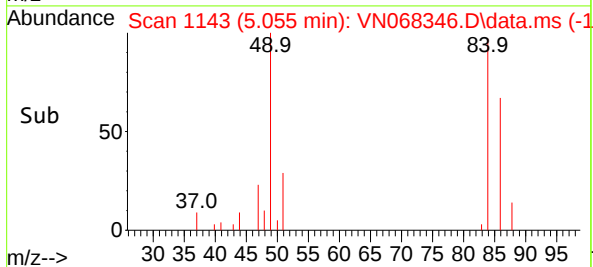
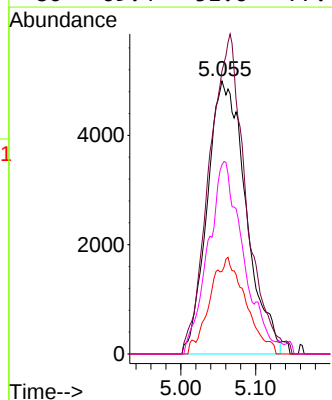
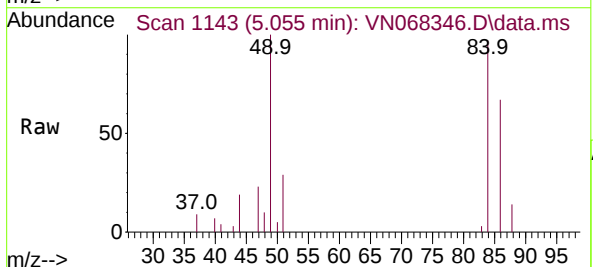
Ion Ratio Lower Upper

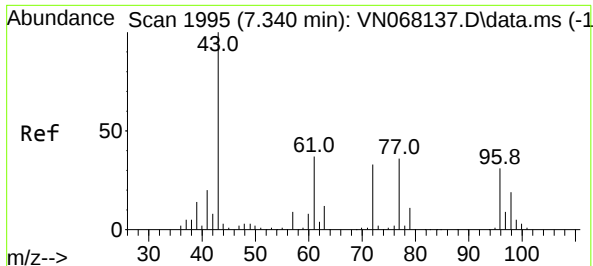
84 100

49 103.6 110.9 166.3#

51 30.3 32.6 49.0#

86 69.4 51.6 77.4

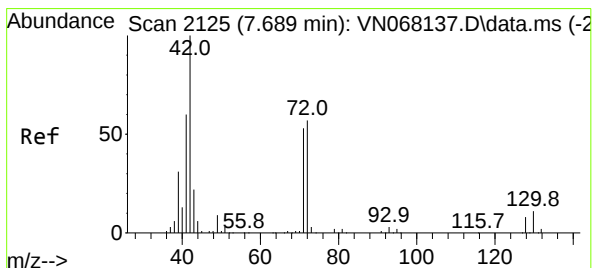
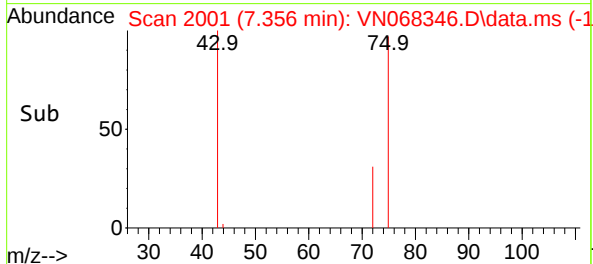
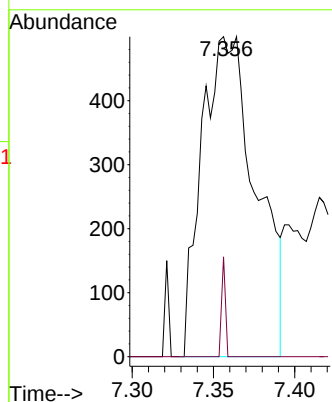
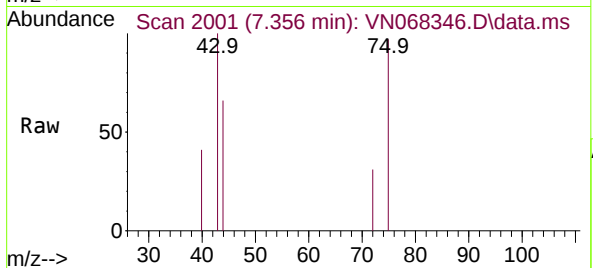




#25
2-Butanone
Concen: 0.500 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

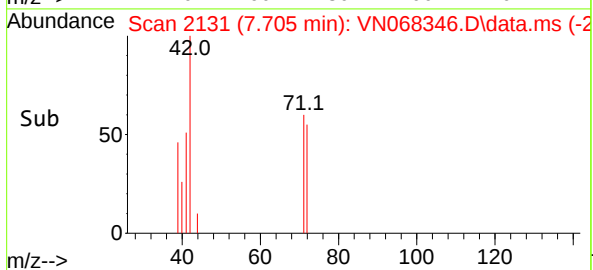
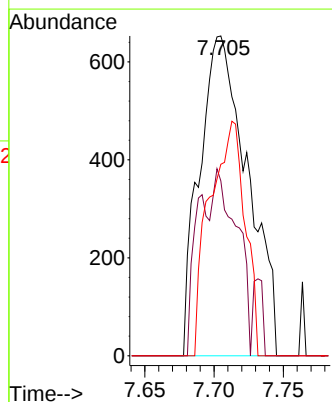
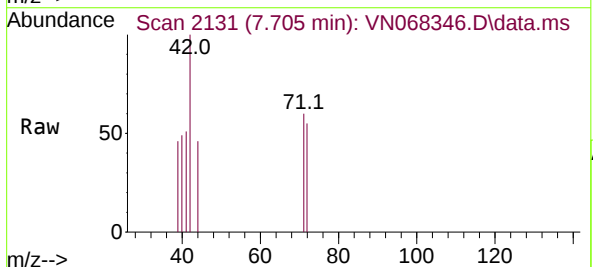
Instrument :
MSVOA_N
ClientSampled :

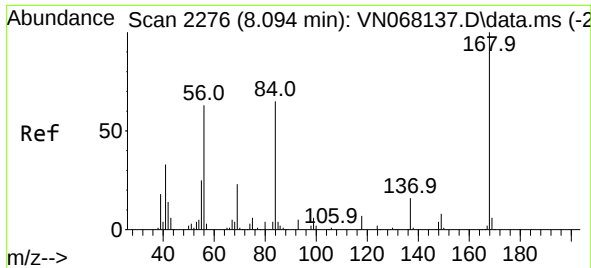
Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
72 31.2 19.7 29.5#



#29
Tetrahydrofuran
Concen: 1.062 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 42 Resp: 1578
Ion Ratio Lower Upper
42 100
72 29.5 32.8 49.2#
71 53.7 31.2 46.8#

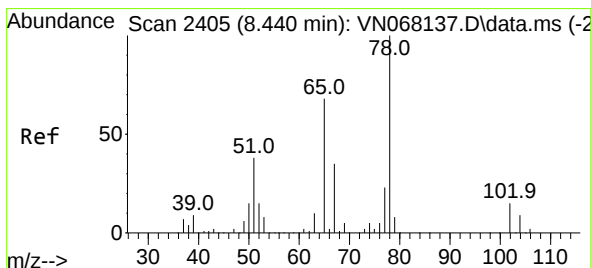
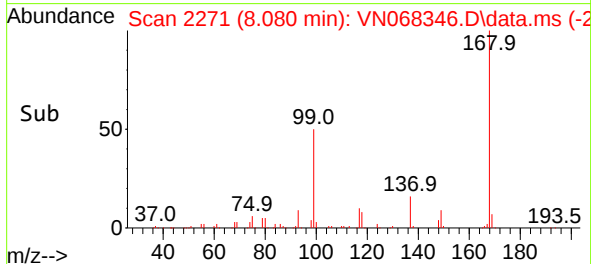
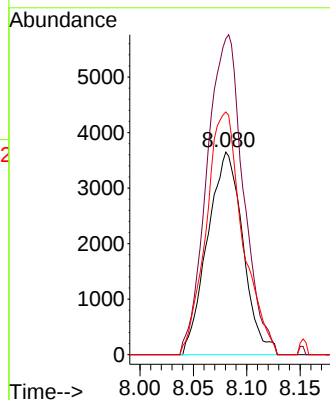
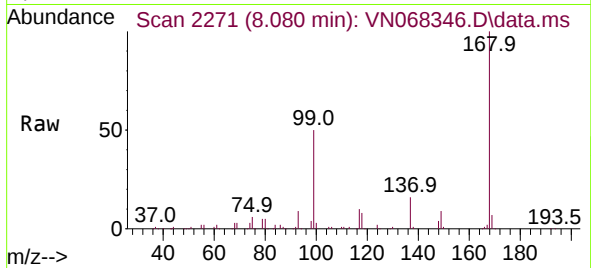




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

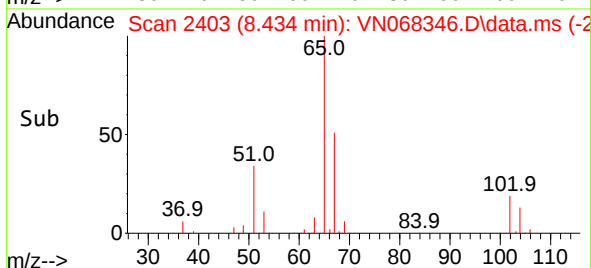
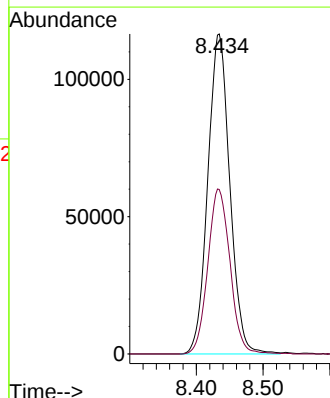
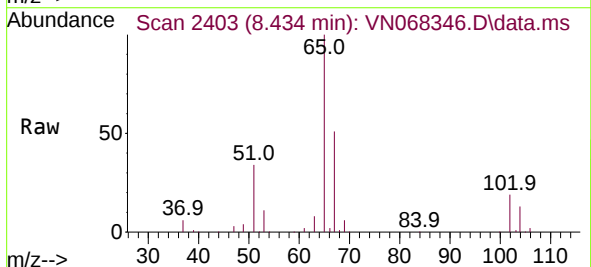
Instrument :
MSVOA_N
ClientSampled :

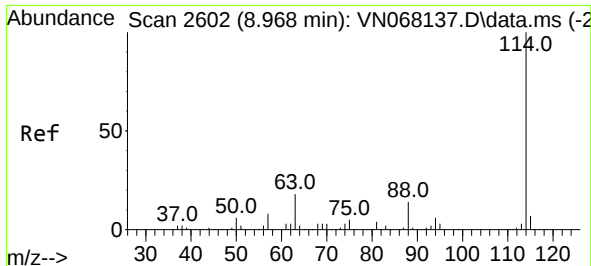
Tgt Ion: 56 Resp: 8433
Ion Ratio Lower Upper
56 100
69 155.9 27.3 40.9#
84 119.8 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.270 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 65 Resp: 266790
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.6

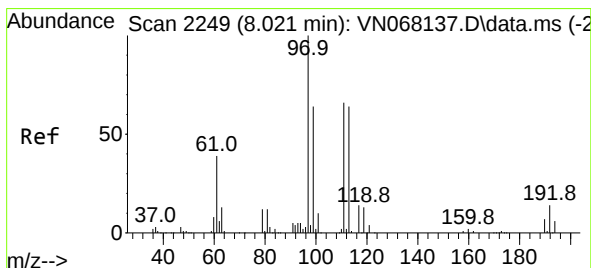
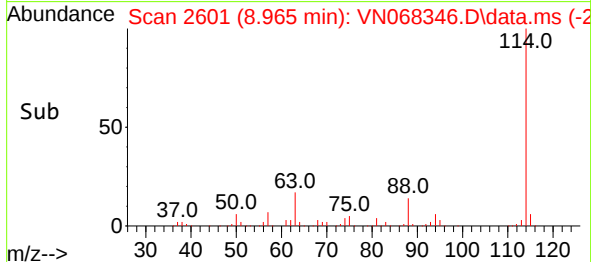
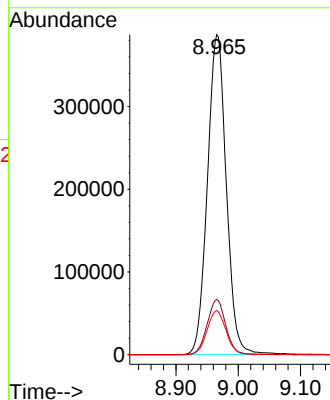
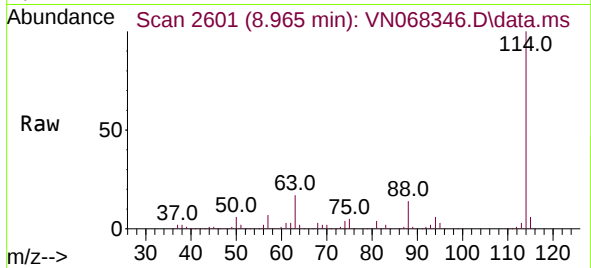




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

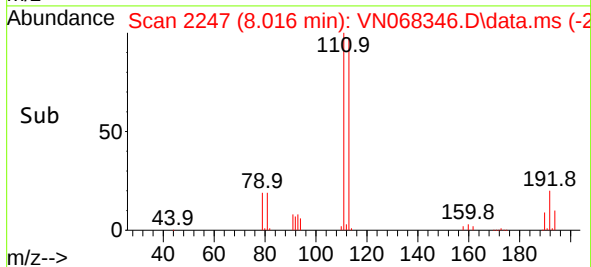
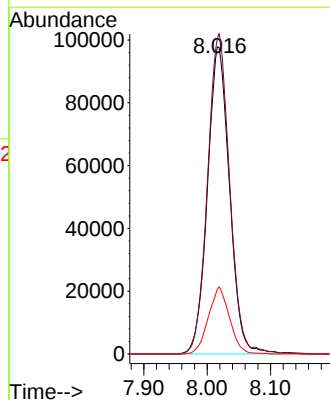
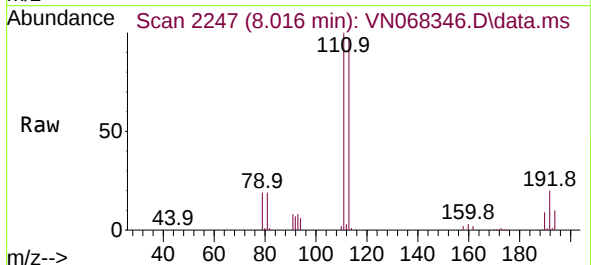
Instrument :
MSVOA_N
ClientSampled :

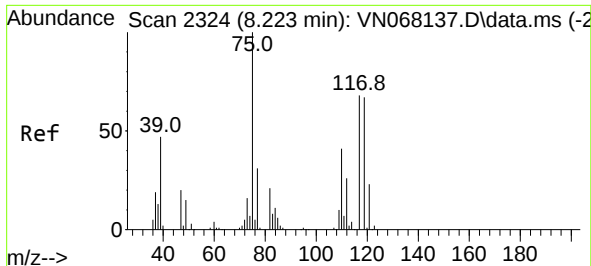
Tgt Ion:114 Resp: 816360
Ion Ratio Lower Upper
114 100
63 17.3 0.0 49.0
88 13.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.224 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. -0.005 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion:113 Resp: 236911
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.8
192 20.9 13.4 20.0#

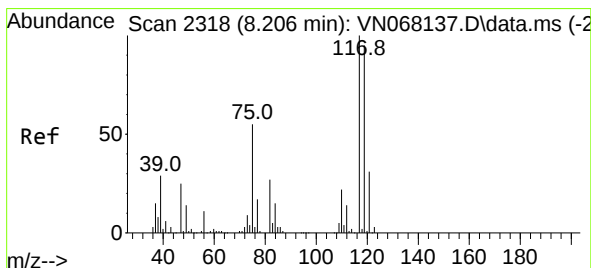
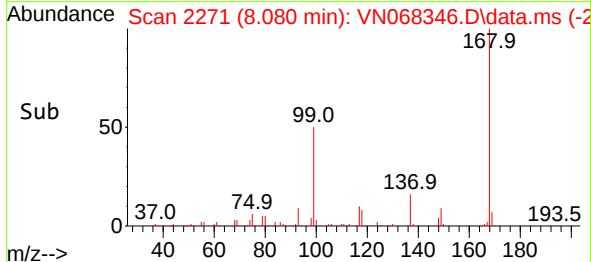
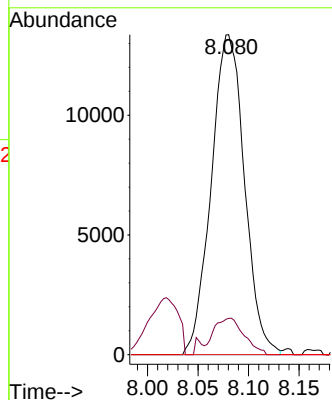
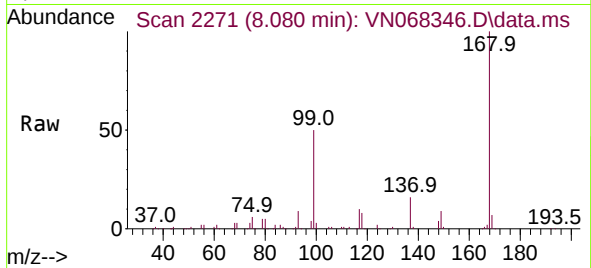




#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.143 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

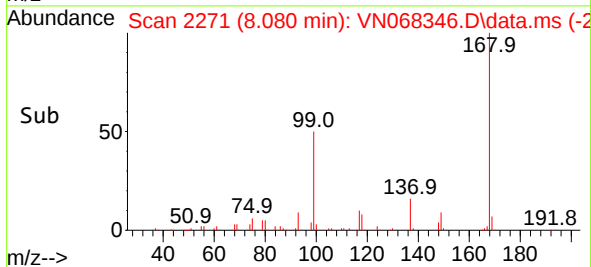
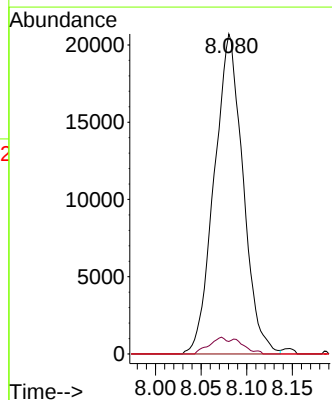
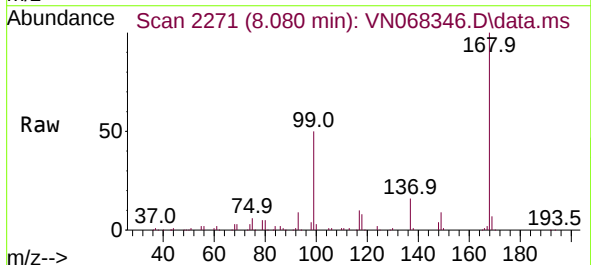
Instrument :
MSVOA_N
ClientSampled :

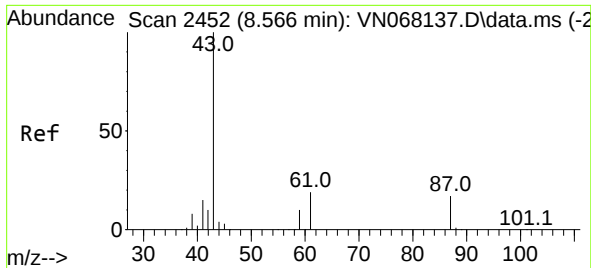
Tgt Ion: 75 Resp: 30589
Ion Ratio Lower Upper
75 100
110 10.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.902 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 117 Resp: 45428
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.2#
121 0.0 23.5 35.3#

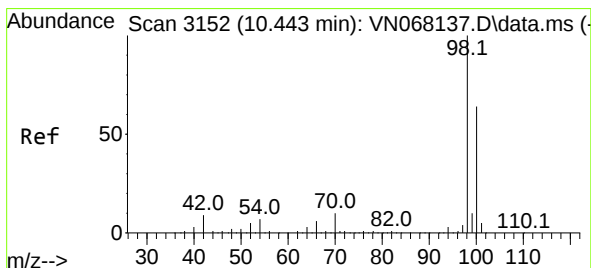
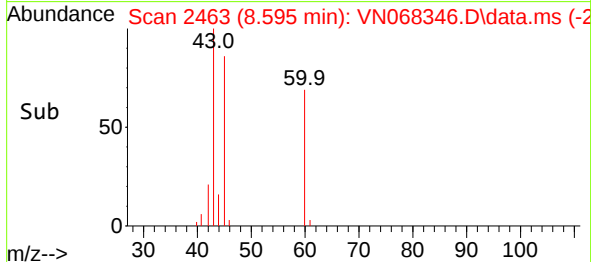
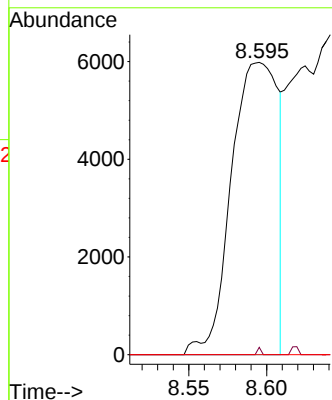
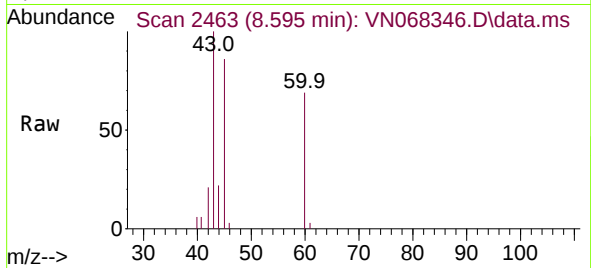




#43
Isopropyl Acetate
Concen: 1.363 ug/l
RT: 8.595 min Scan# 2463
Delta R.T. 0.029 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

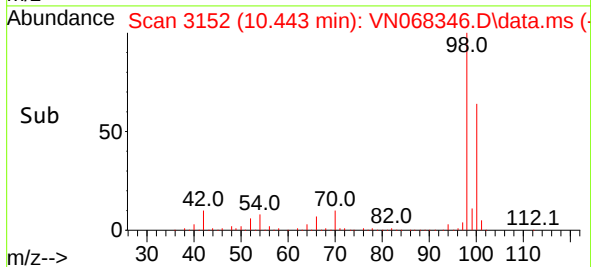
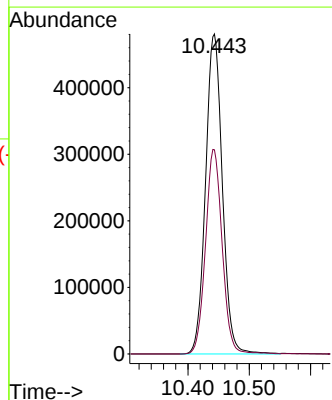
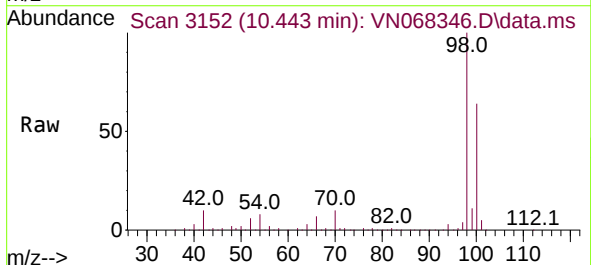
Instrument :
MSVOA_N
ClientSampled :

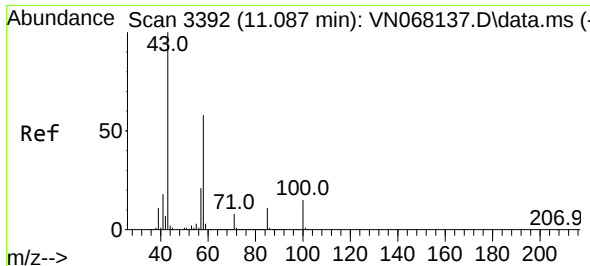
Tgt Ion: 43 Resp: 12413
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 46.882 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 98 Resp: 915572
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

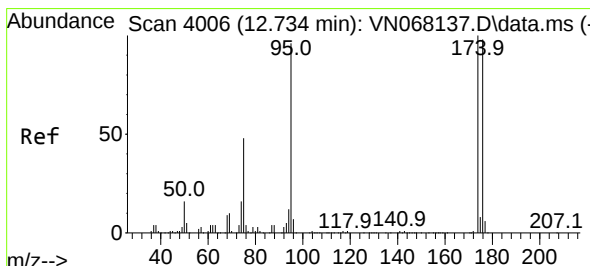
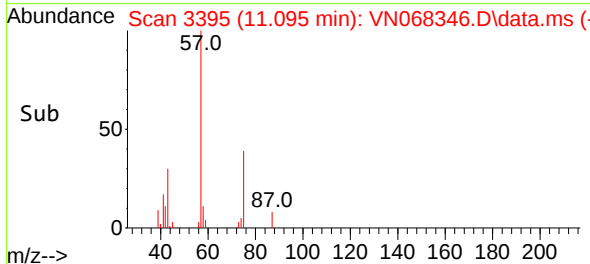
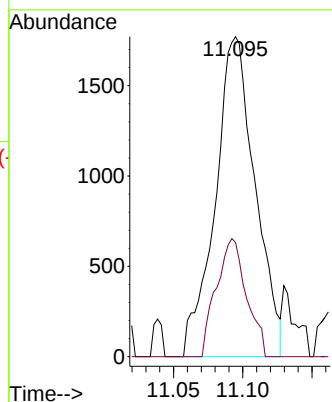
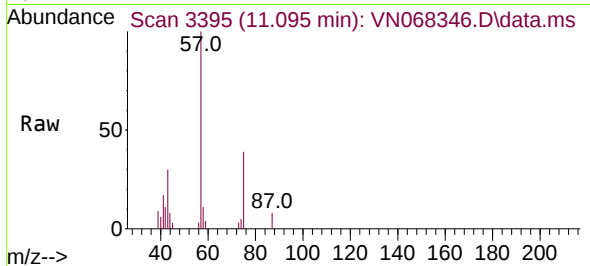




#59
2-Hexanone
Concen: 0.915 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

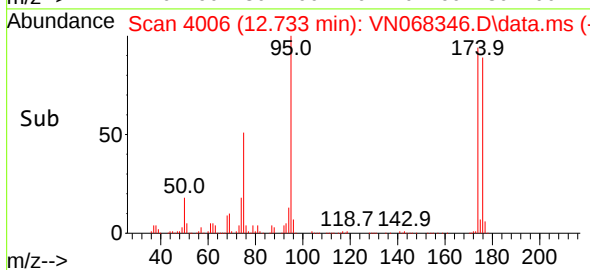
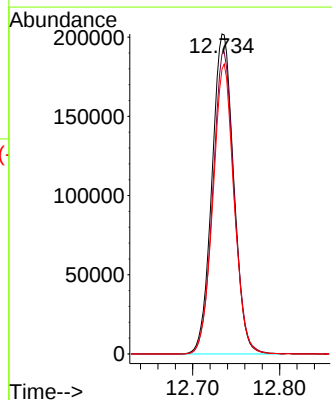
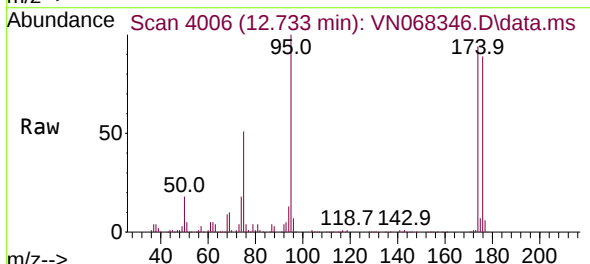
Instrument :
MSVOA_N
ClientSampled :

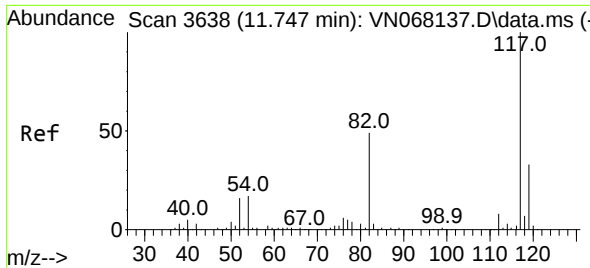
Tgt Ion: 43 Resp: 3554
Ion Ratio Lower Upper
43 100
58 27.9 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 53.952 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 95 Resp: 350751
Ion Ratio Lower Upper
95 100
174 92.3 0.0 122.0
176 88.1 0.0 117.6

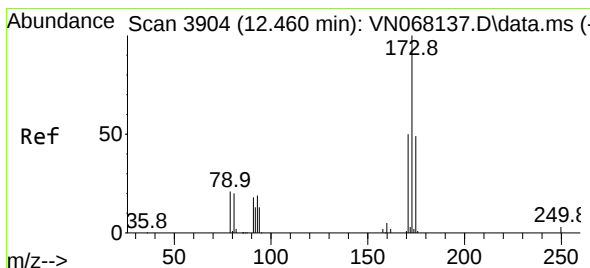
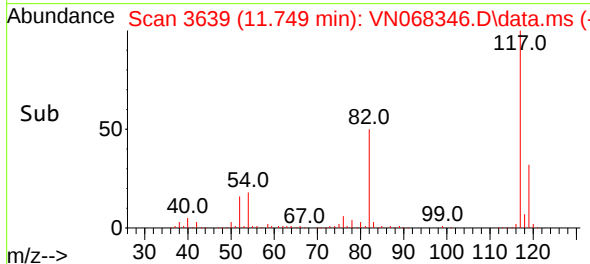
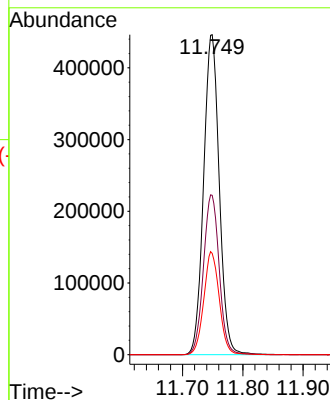
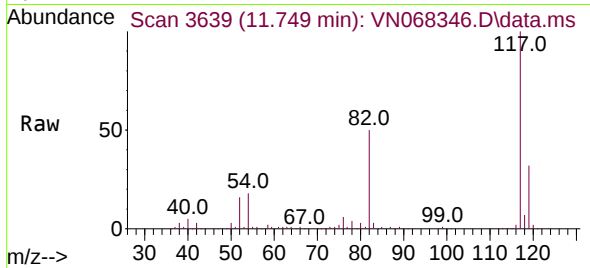




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

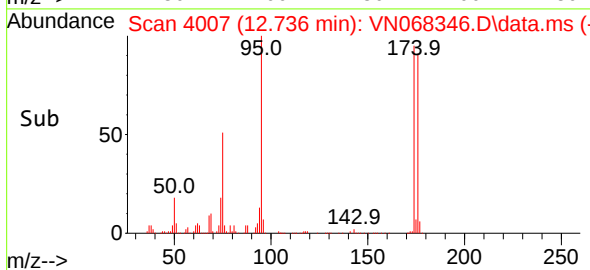
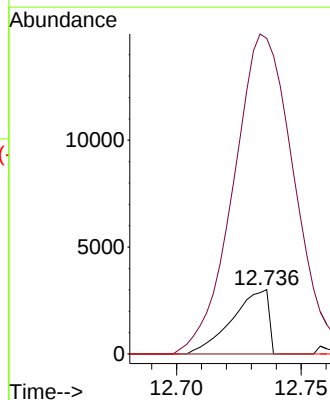
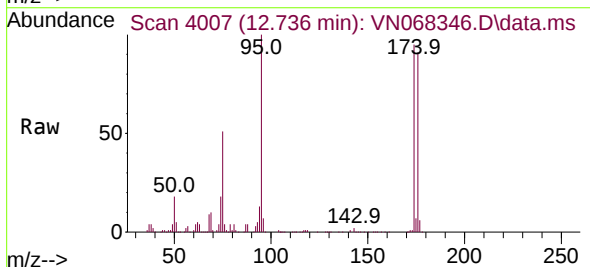
Instrument :
MSVOA_N
ClientSampled :

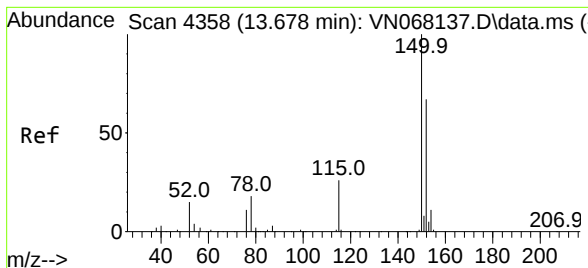
Tgt Ion:117 Resp: 804950
Ion Ratio Lower Upper
117 100
82 49.8 53.1 79.7#
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.615 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion:173 Resp: 3064
Ion Ratio Lower Upper
173 100
175 757.0 23.9 71.8#
254 0.0 0.0 0.0

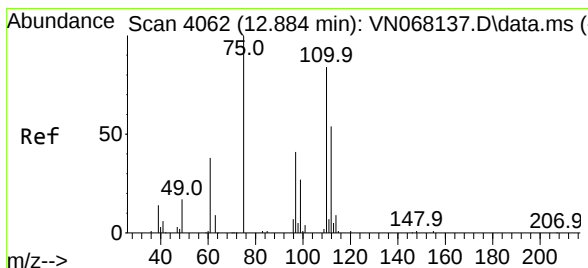
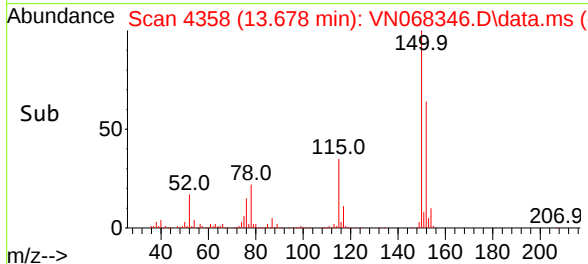
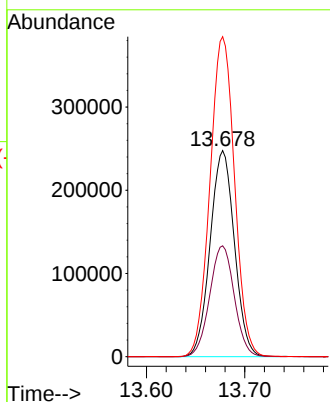
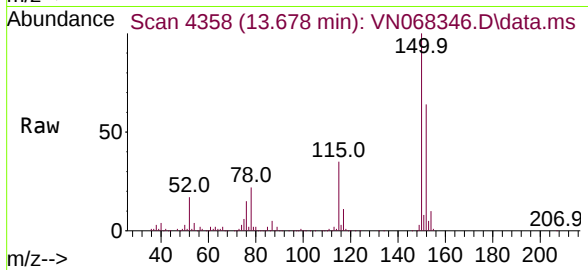




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

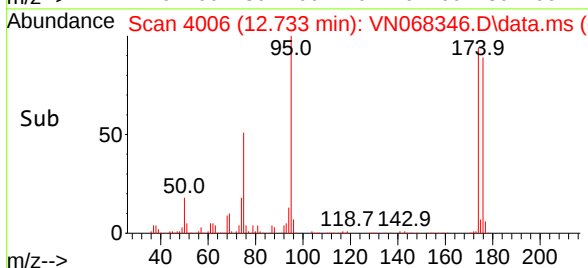
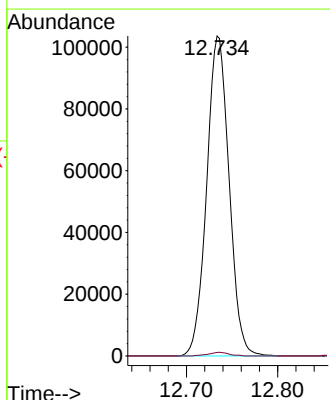
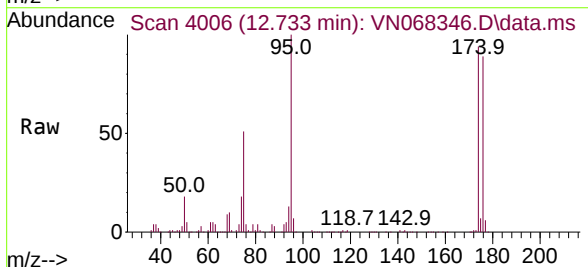
Instrument :
MSVOA_N
ClientSampled :

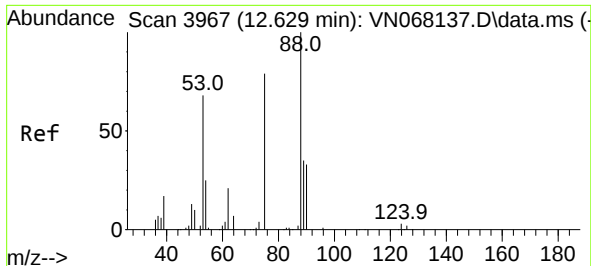
Tgt Ion:152 Resp: 426219
Ion Ratio Lower Upper
152 100
115 54.4 36.1 108.5
150 156.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 24.946 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion: 75 Resp: 176719
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

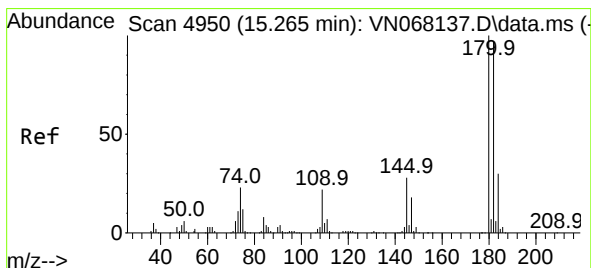
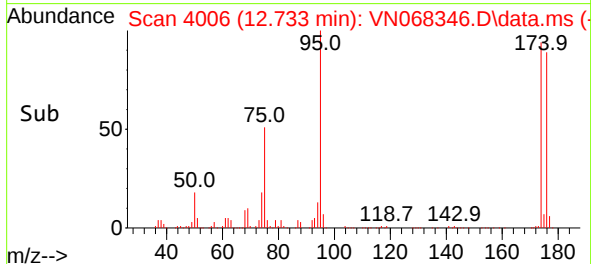
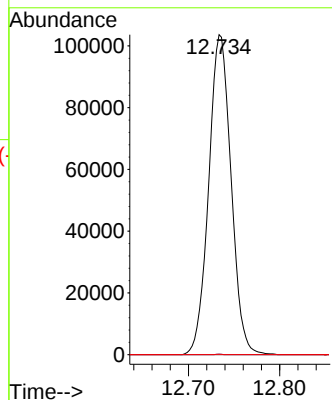
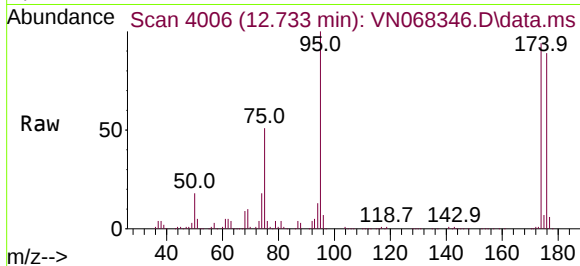




#81
trans-1,4-Dichloro-2-butene
Concen: 81.726 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

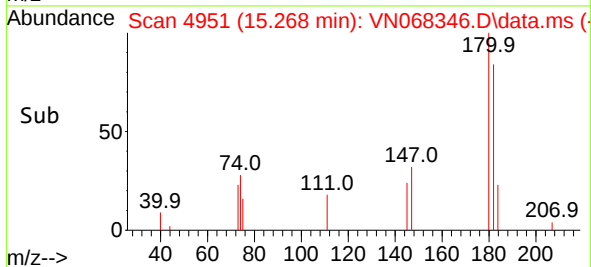
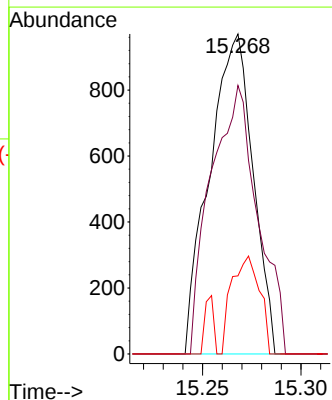
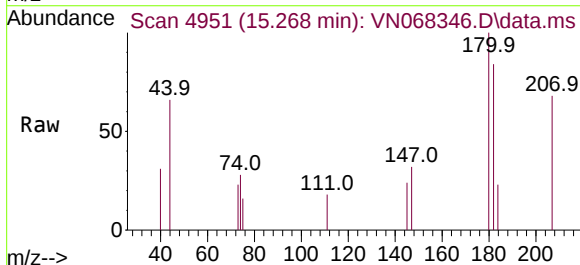
Instrument :
MSVOA_N
ClientSampled :

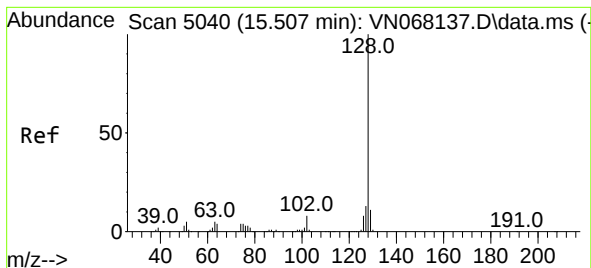
Tgt Ion: 75 Resp: 176719
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.883 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion:180 Resp: 1491
Ion Ratio Lower Upper
180 100
182 90.5 47.5 142.5
145 19.7 17.2 51.6

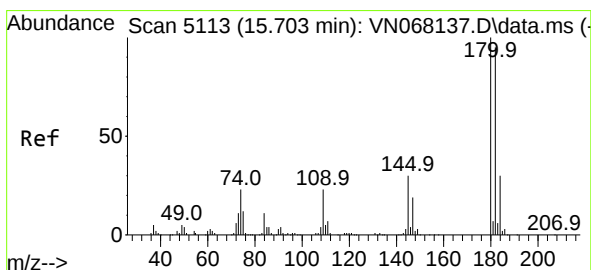
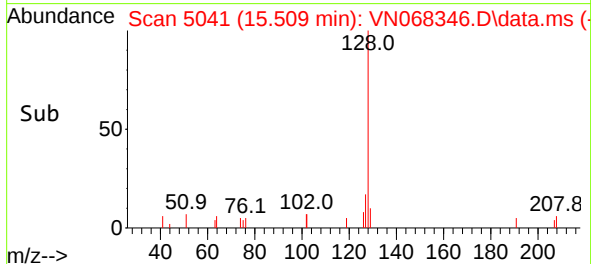
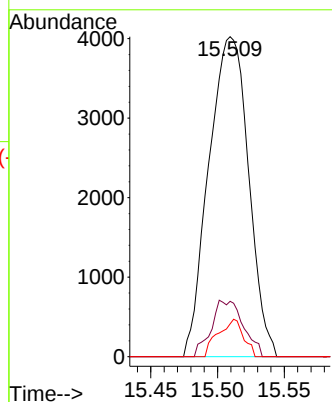
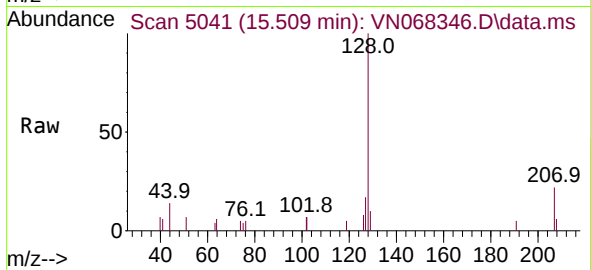




#95
Naphthalene
Concen: 3.809 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128	Resp:	8333
Ion Ratio	Lower	Upper
128	100	
127	14.2	10.6 15.8
129	7.4	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.998 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068346.D
Acq: 27 Aug 2021 15:55

Tgt Ion:180	Resp:	1191
Ion Ratio	Lower	Upper
180	100	
182	42.9	47.8 143.3#
145	28.5	18.2 54.6

