

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068525.D
 Acq On : 17 Sep 2021 17:25
 Operator : JC/MD
 Sample : M3781-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20210915

Quant Time: Sep 20 03:59:00 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)

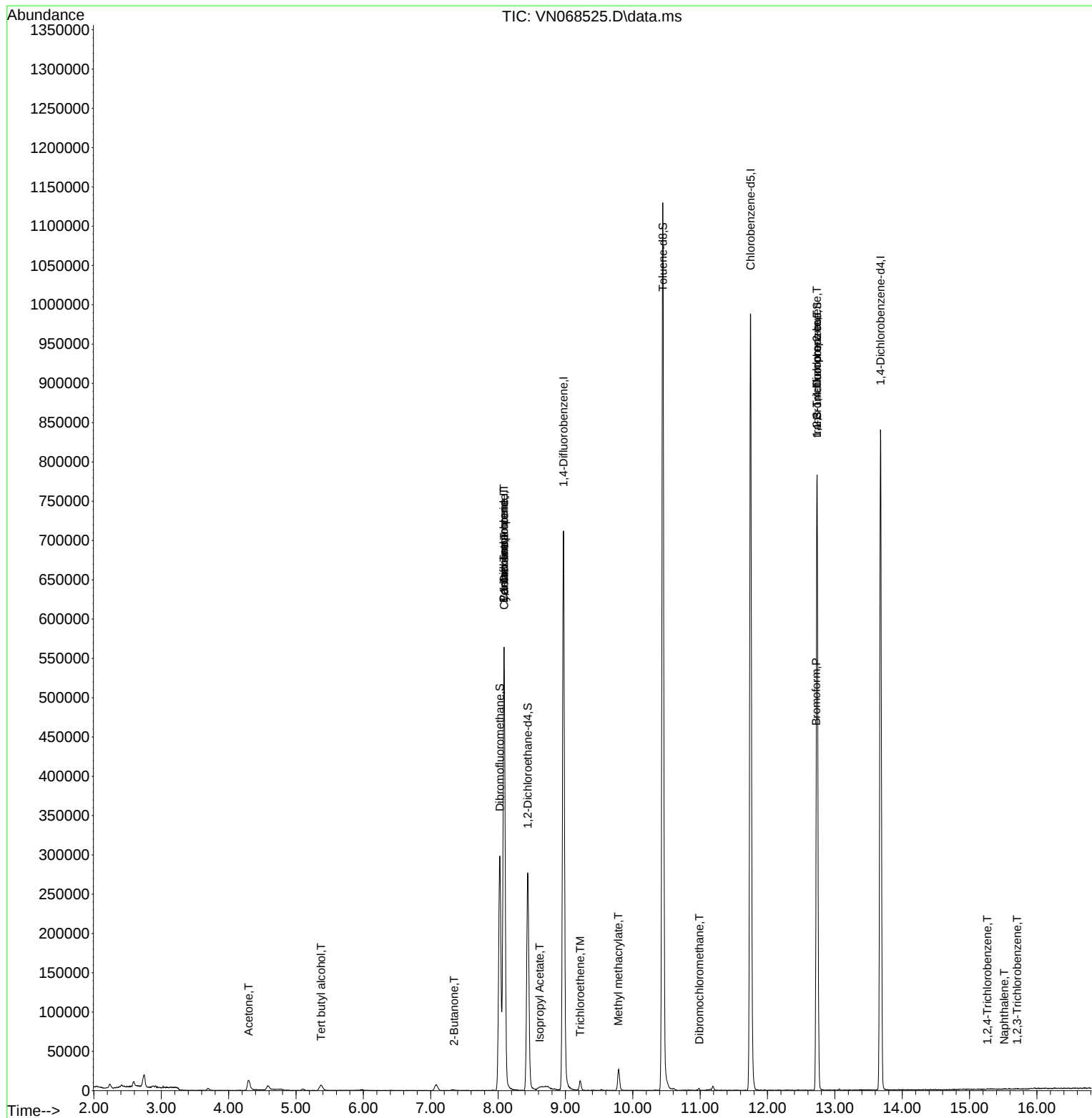
Internal Standards						
1) Pentafluorobenzene	8.088	168	469290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	687129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	666303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	260862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	235362	54.674	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.340%			
35) Dibromofluoromethane	8.027	113	219174	52.886	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.780%			
50) Toluene-d8	10.446	98	877829	51.528	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.736	95	251269	45.275	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	911	Below Cal	#	86
5) Bromomethane	2.869	94	1564	Below Cal	#	75
11) Tert butyl alcohol	5.371	59	12875	9.127	ug/l #	95
16) Acetone	4.296	43	25068	12.025	ug/l	93
18) Methyl Acetate	4.843	43	197	Below Cal	#	45
20) Methylene Chloride	5.109	84	1021	Below Cal	#	51
25) 2-Butanone	7.345	43	678	0.324	ug/l #	41
31) Cyclohexane	8.091	56	7720	1.183	ug/l #	34
36) 1,1-Dichloropropene	8.088	75	29146	5.088	ug/l #	47
38) Carbon Tetrachloride	8.088	117	44240	6.446	ug/l #	16
43) Isopropyl Acetate	8.617	43	2689	0.350	ug/l #	51
44) Trichloroethene	9.217	130	4878	0.909	ug/l	97
48) Methyl methacrylate	9.786	41	10504	3.272	ug/l #	29
60) Dibromochloromethane	10.988	129	250	1.842	ug/l #	11
71) Bromoform	12.723	173	352	2.592	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	124333	34.315	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	124333	105.629	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.265	180	199	2.998	ug/l #	48
95) Naphthalene	15.515	128	666	3.556	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	111	2.997	ug/l #	53

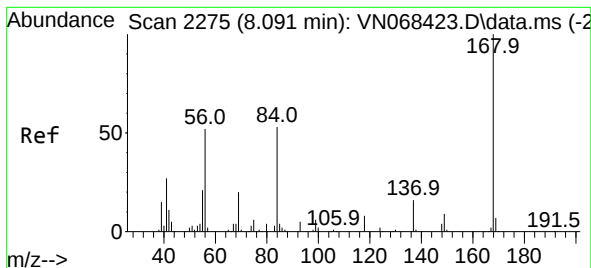
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068525.D

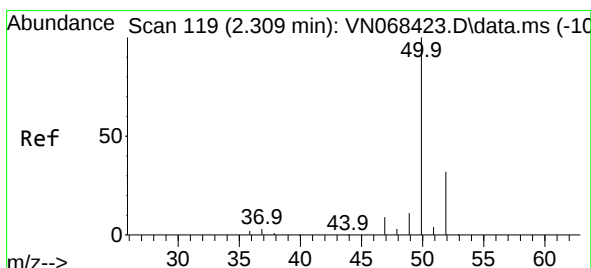
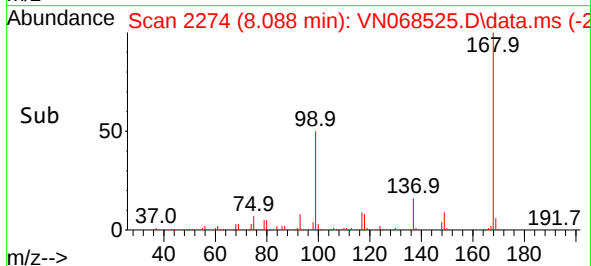
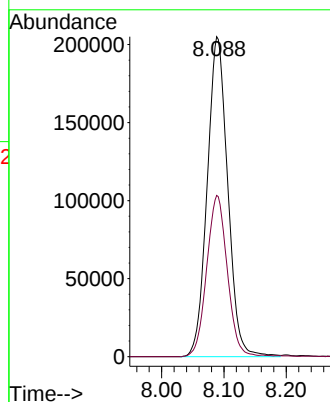
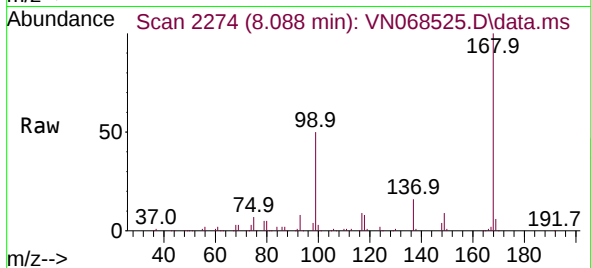
Acq: 17 Sep 2021 17:25

Tgt Ion:168 Resp: 469290

Ion Ratio Lower Upper

168 100

99 50.4 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.008 min

Lab File: VN068525.D

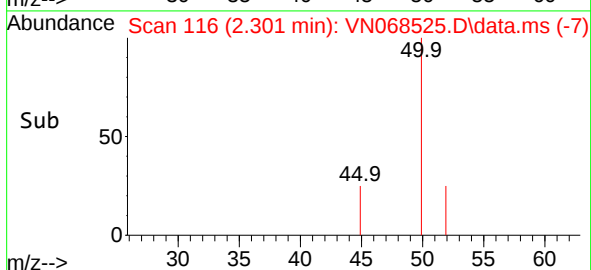
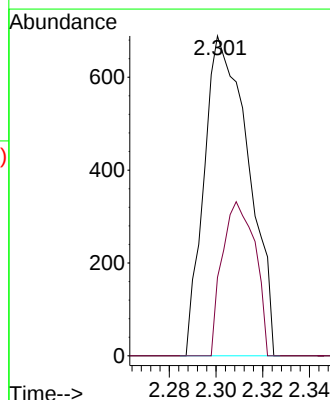
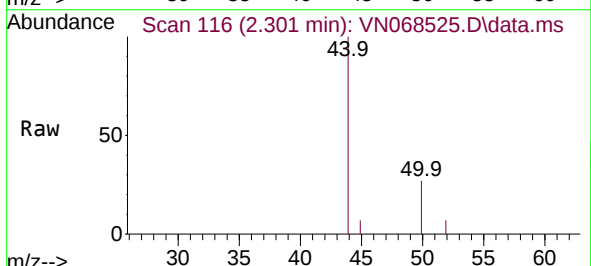
Acq: 17 Sep 2021 17:25

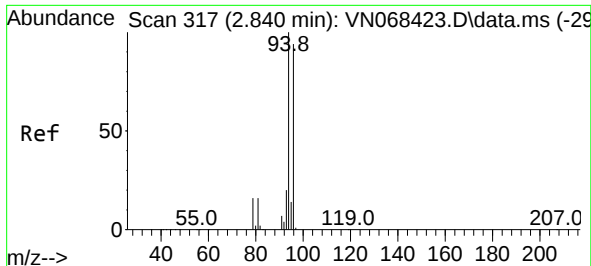
Tgt Ion: 50 Resp: 911

Ion Ratio Lower Upper

50 100

52 24.5 25.8 38.6#

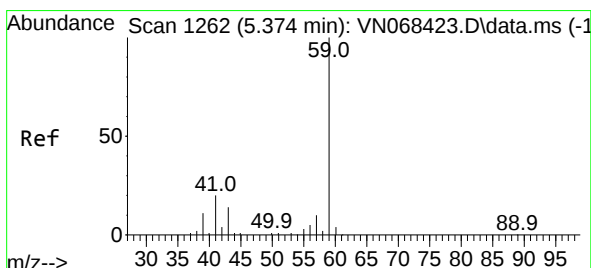
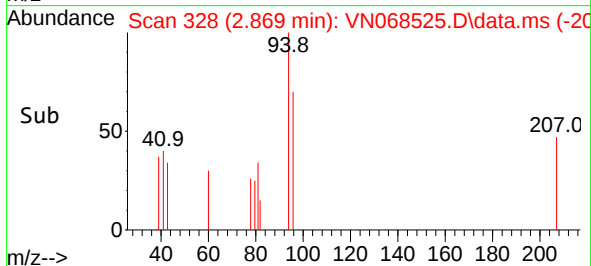
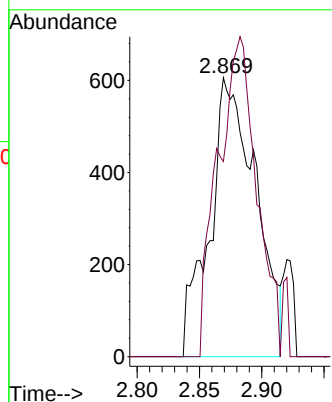
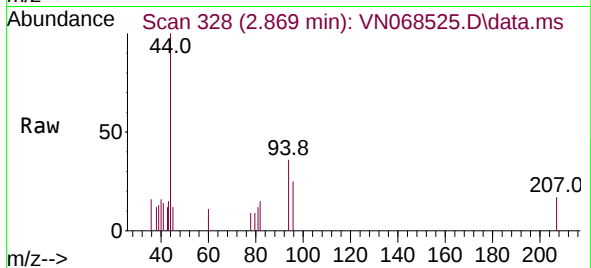




#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 328
Delta R.T. 0.029 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

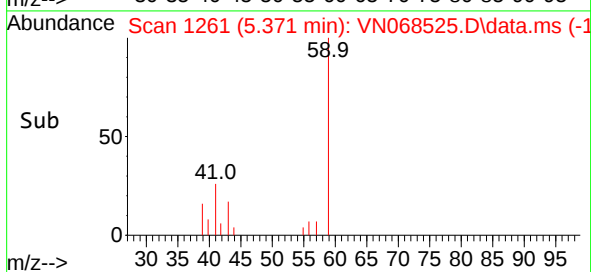
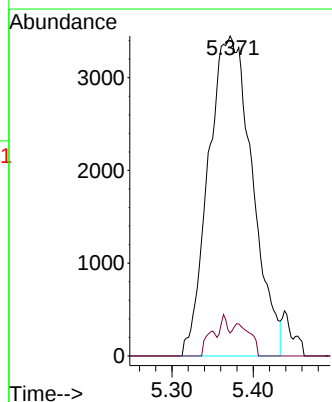
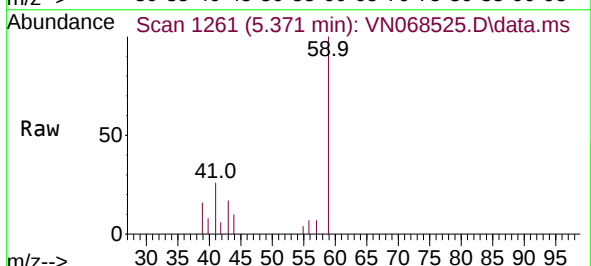
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

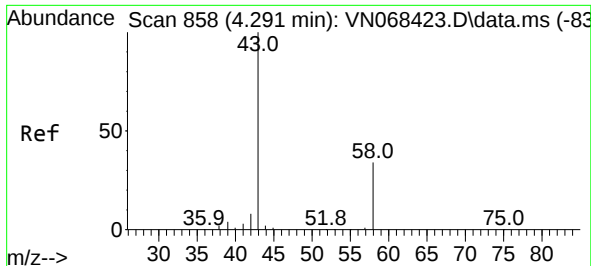
Tgt Ion: 94 Resp: 1564
Ion Ratio Lower Upper
94 100
96 70.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: 9.127 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 59 Resp: 12875
Ion Ratio Lower Upper
59 100
57 3.8 4.3 6.5#

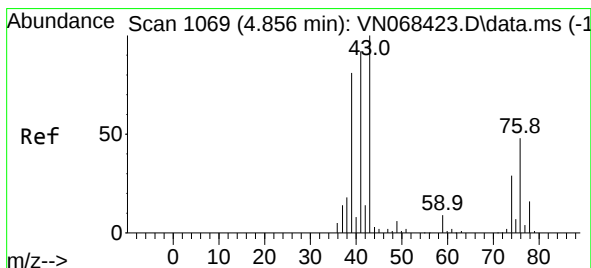
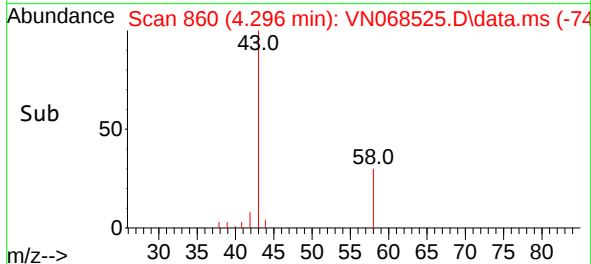
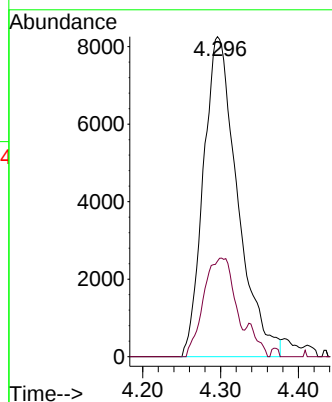
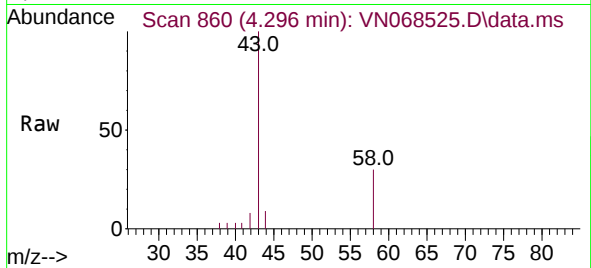




#16
Acetone
Concen: 12.025 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

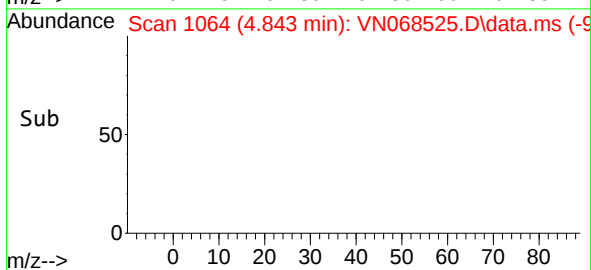
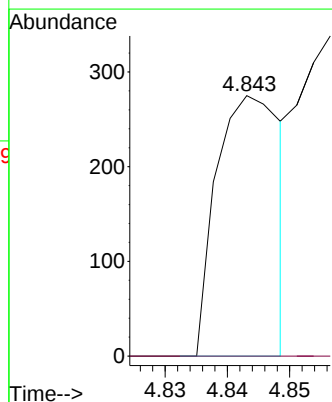
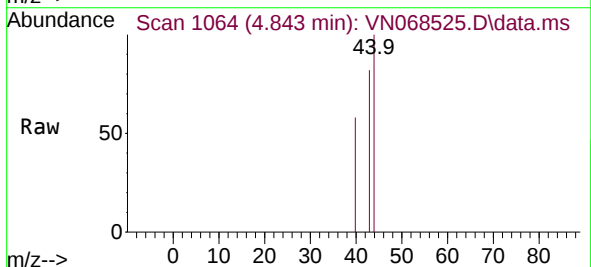
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

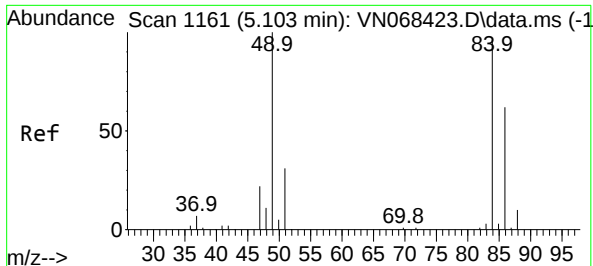
Tgt Ion: 43 Resp: 25068
Ion Ratio Lower Upper
43 100
58 29.8 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.843 min Scan# 1064
Delta R.T. -0.013 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



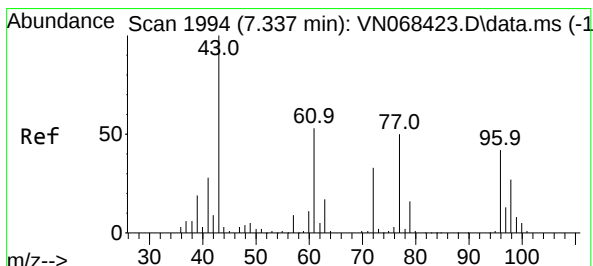
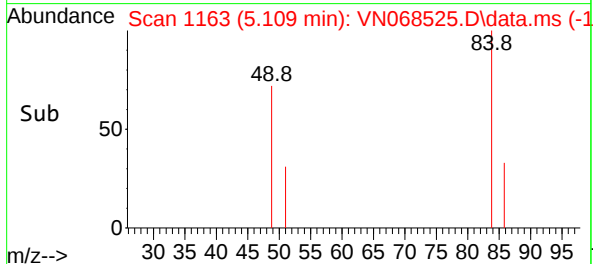
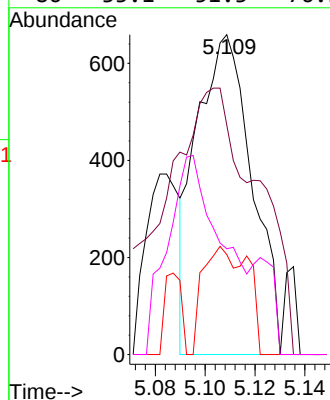
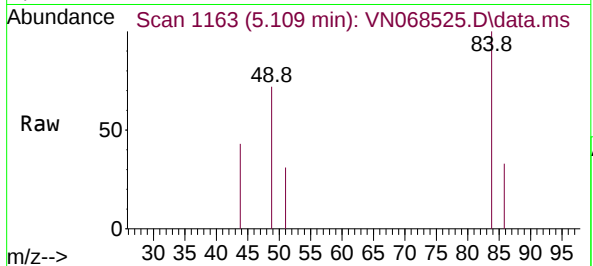


#20
Methylene Chloride
Concen: Below Cal
RT: 5.109 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

Tgt Ion: 84 Resp: 1021

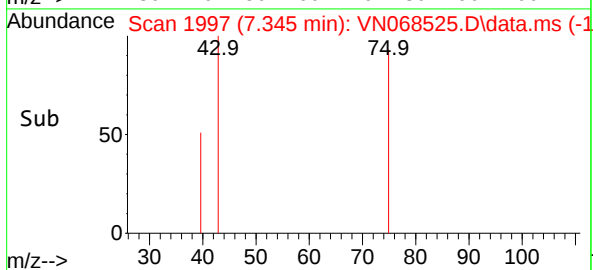
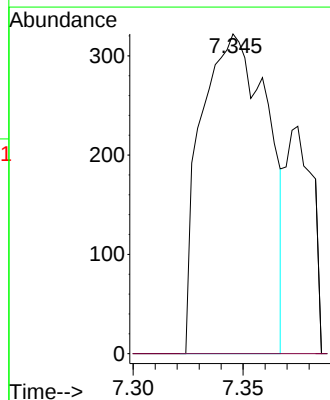
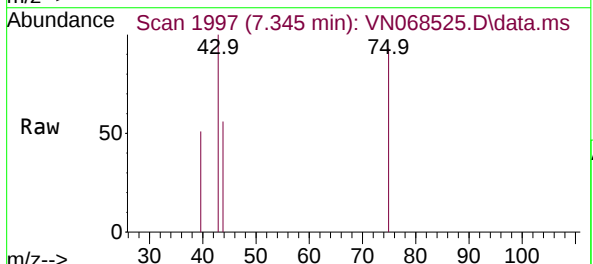
Ion	Ratio	Lower	Upper
84	100		
49	33.4	83.0	124.6#
51	31.3	25.4	38.0
86	33.1	51.3	76.9#

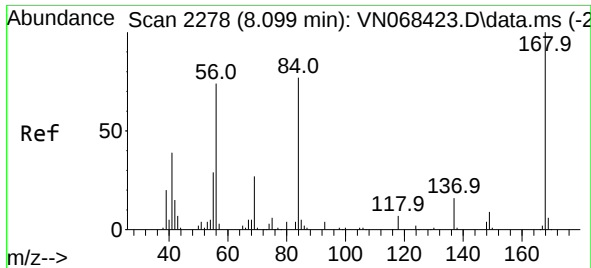


#25
2-Butanone
Concen: 0.324 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 43 Resp: 678

Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.7	40.1#

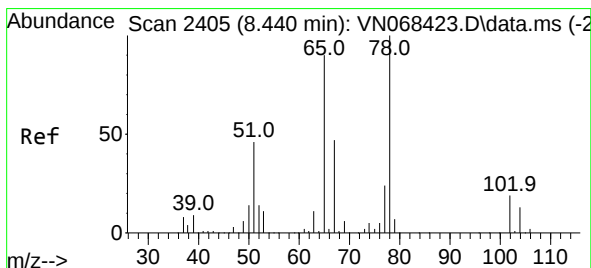
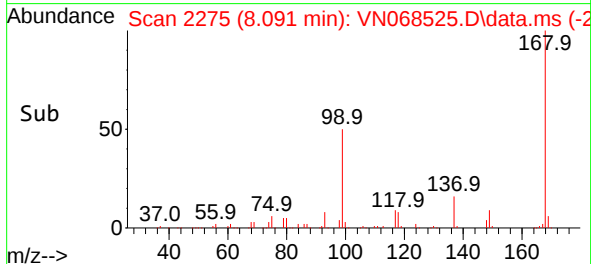
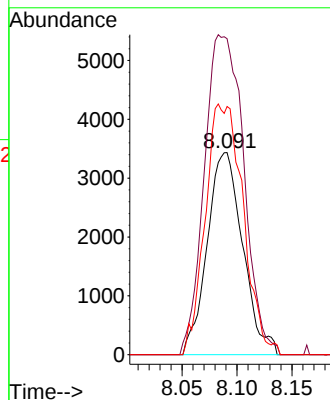
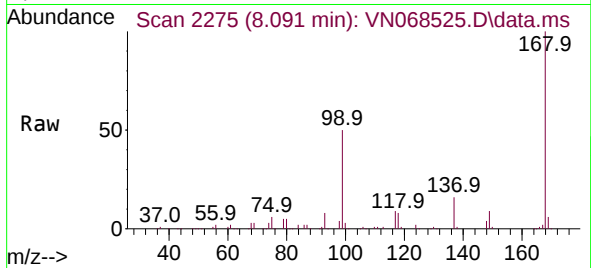




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

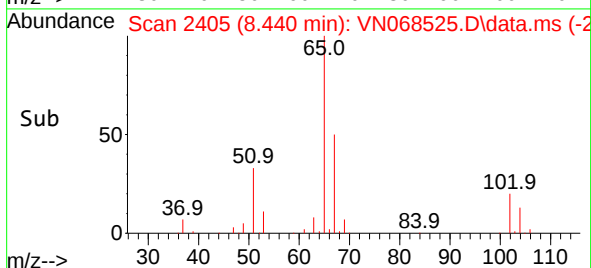
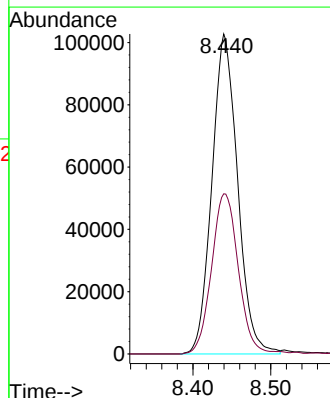
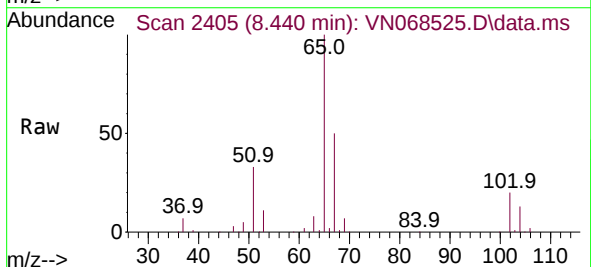
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

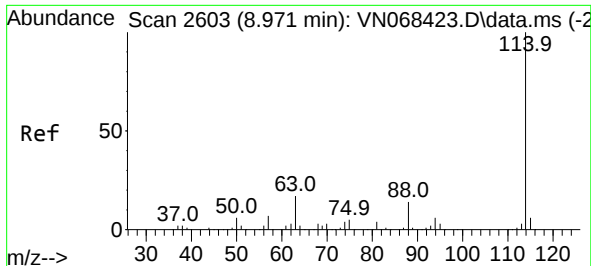
Tgt Ion: 56 Resp: 7720
Ion Ratio Lower Upper
56 100
69 156.4 29.4 44.0#
84 122.8 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 54.674 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 65 Resp: 235362
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0

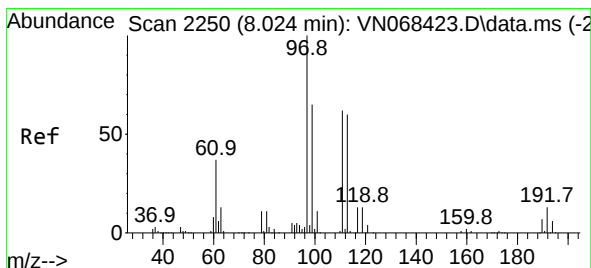
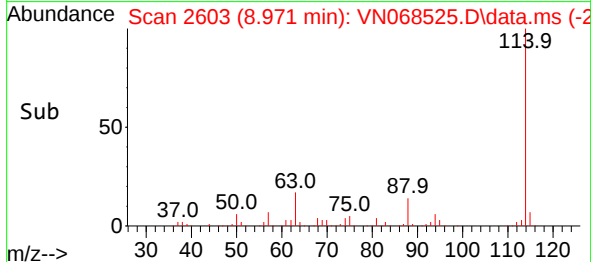
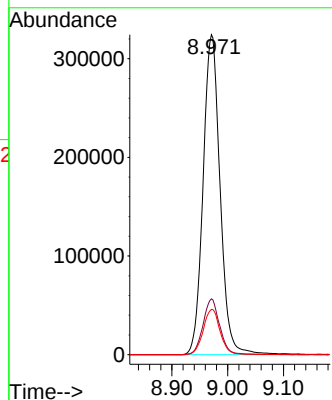
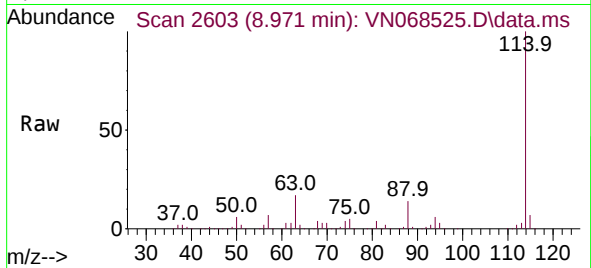




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

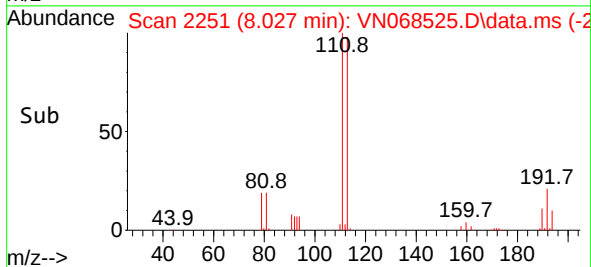
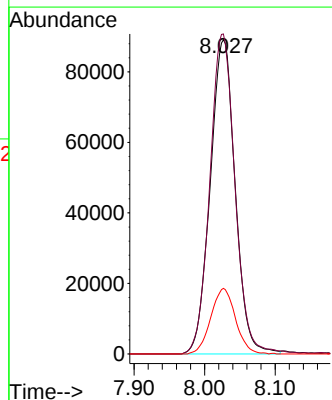
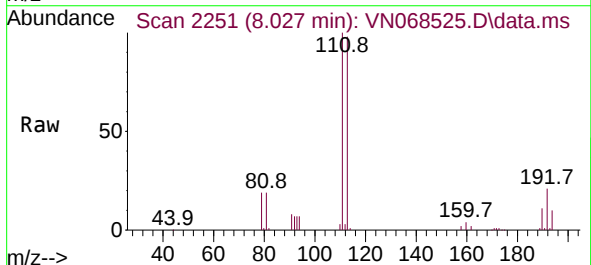
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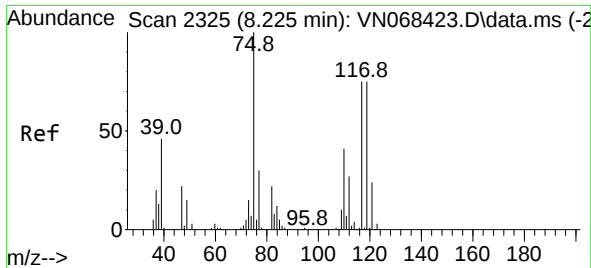
Tgt Ion:114 Resp: 687129
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.886 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion:113 Resp: 219174
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.7 17.7 26.5

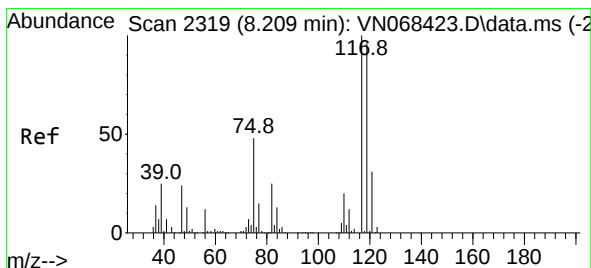
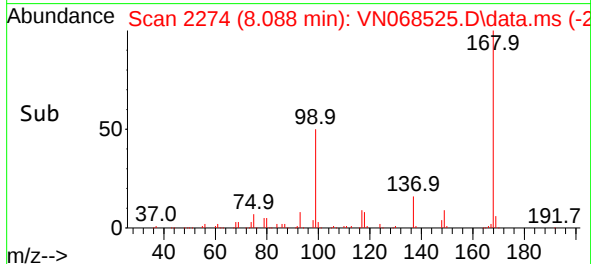
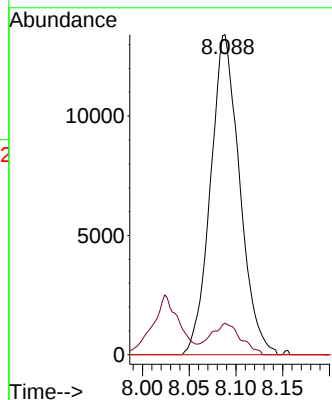
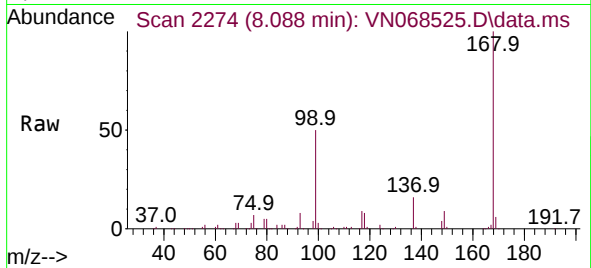




#36
1,1-Dichloropropene
Concen: 5.088 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

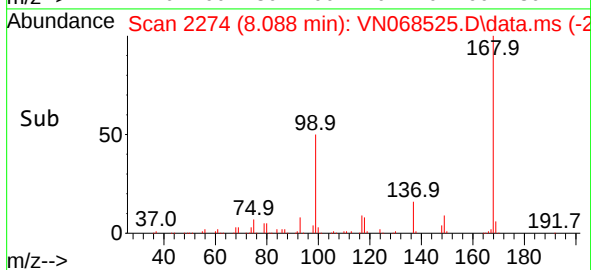
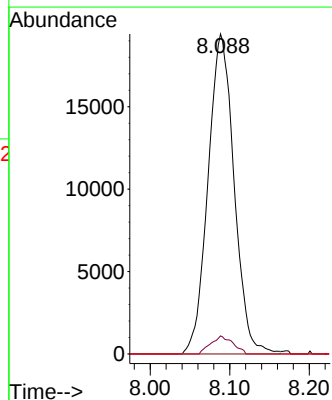
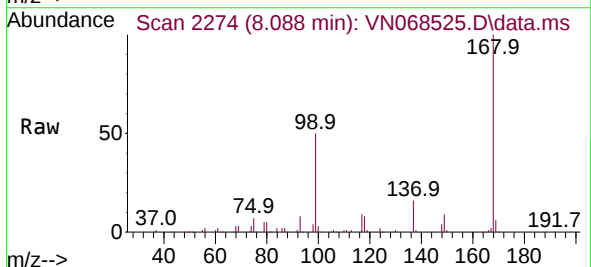
Instrument :
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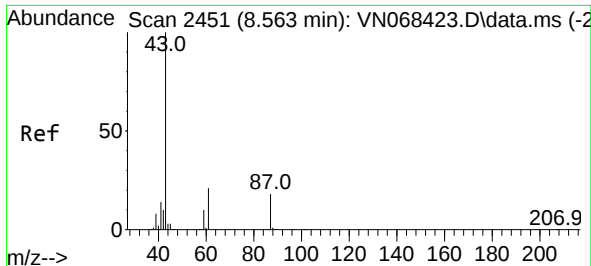
Tgt Ion: 75 Resp: 29146
Ion Ratio Lower Upper
75 100
110 10.1 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

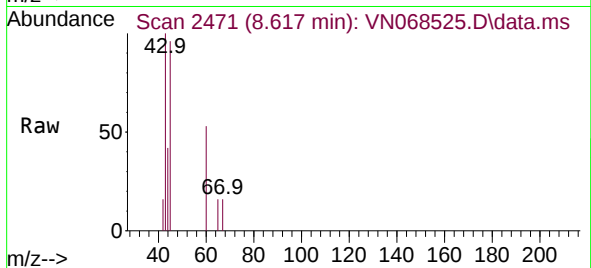
Tgt Ion: 117 Resp: 44240
Ion Ratio Lower Upper
117 100
119 5.7 76.6 114.8#
121 0.0 24.5 36.7#



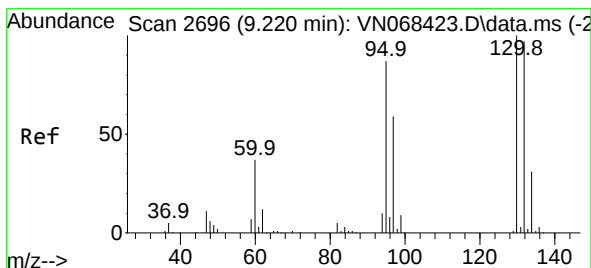
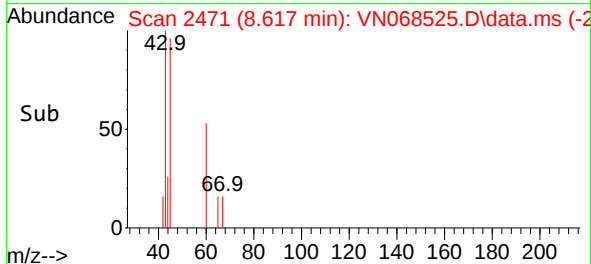
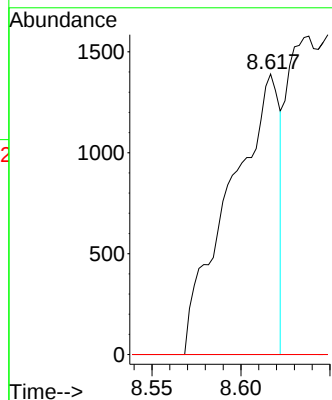


#43
Isopropyl Acetate
Concen: 0.350 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.054 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

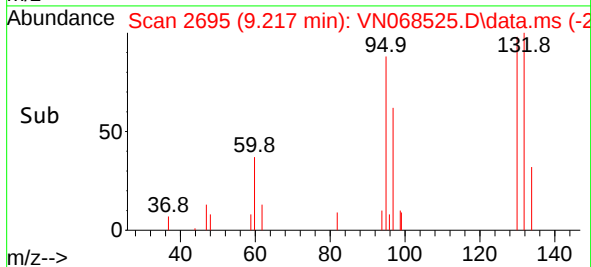
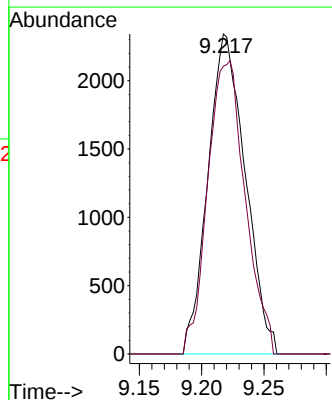
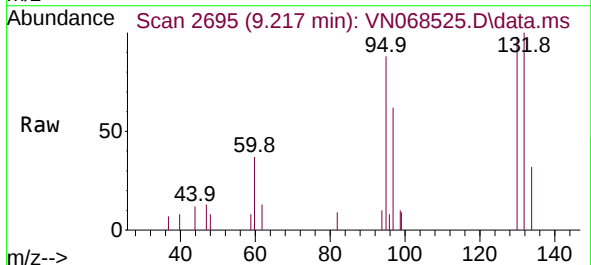


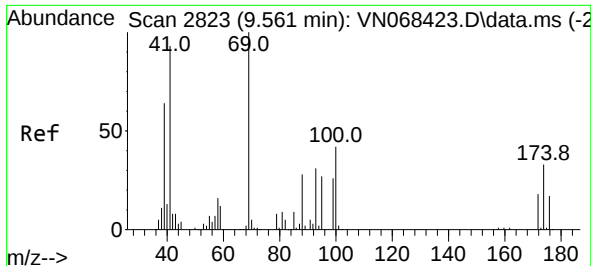
Tgt Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#



#44
Trichloroethene
Concen: 0.909 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 130 Resp: 4878
Ion Ratio Lower Upper
130 100
95 89.9 0.0 173.8

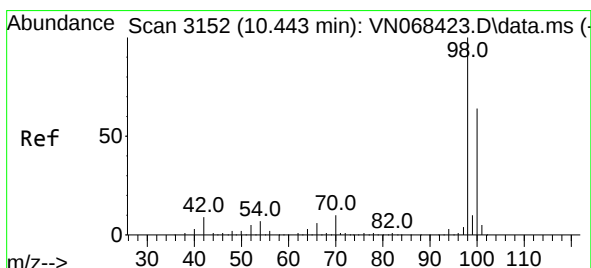
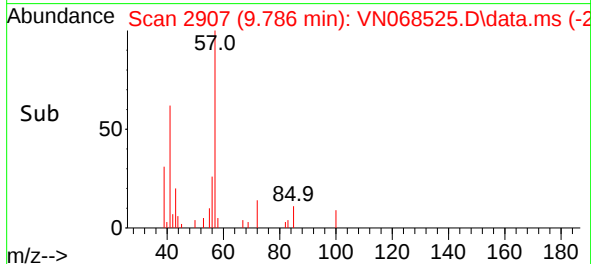
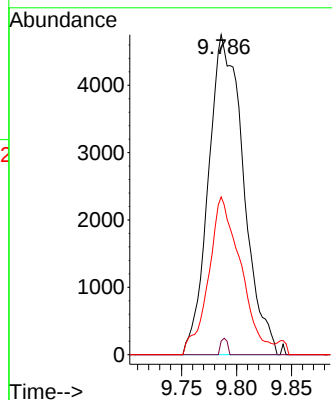
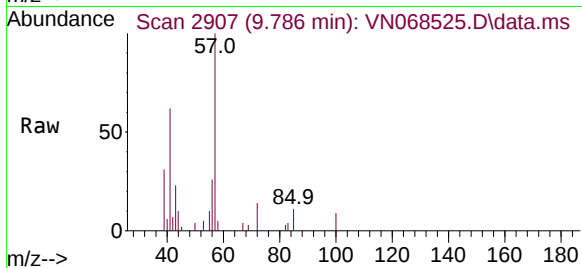




#48
Methyl methacrylate
Concen: 3.272 ug/l
RT: 9.786 min Scan# 2907
Delta R.T. 0.225 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

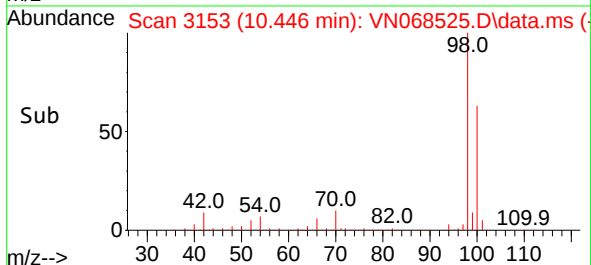
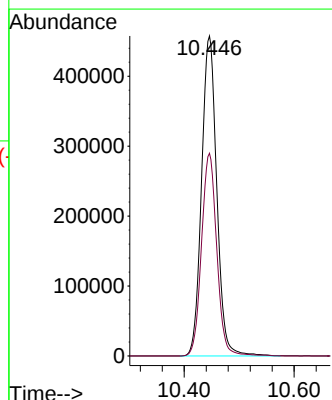
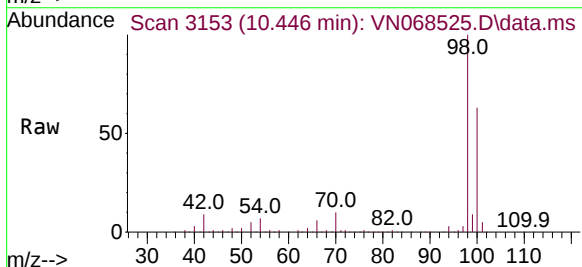
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

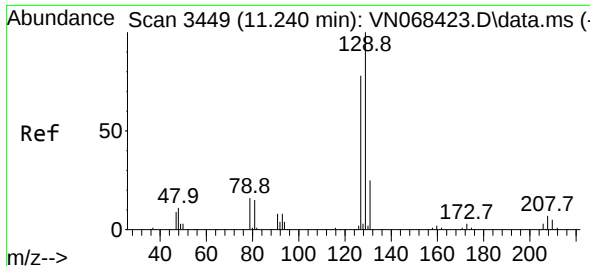
Tgt Ion: 41 Resp: 10504
Ion Ratio Lower Upper
41 100
69 1.0 82.9 124.3#
39 45.5 50.3 75.5#



#50
Toluene-d8
Concen: 51.528 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 98 Resp: 877829
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6

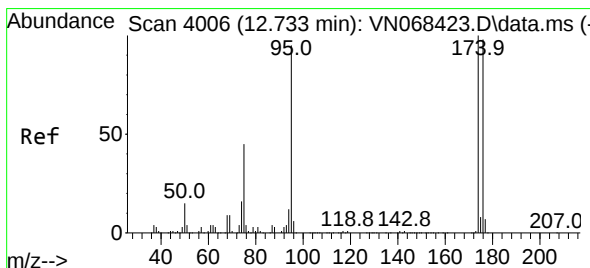
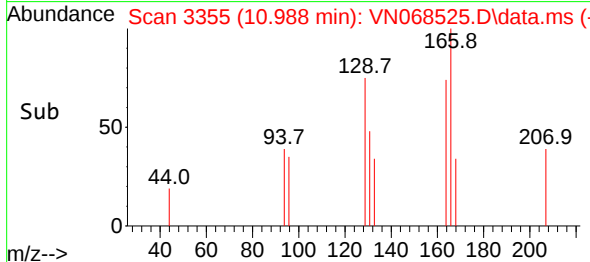
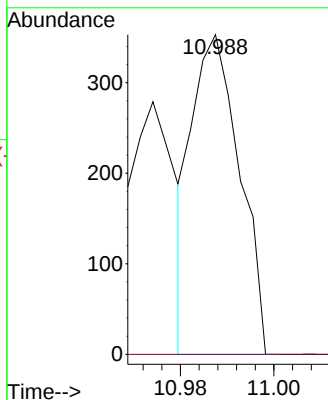
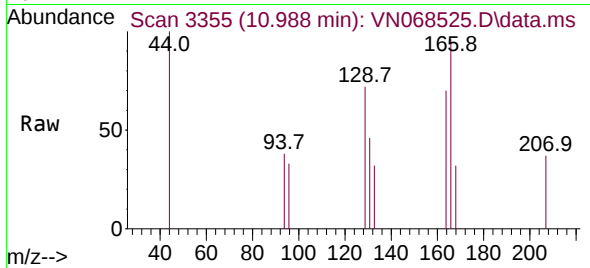




#60
Dibromochloromethane
Concen: 1.842 ug/l
RT: 10.988 min Scan# 3355
Delta R.T. -0.252 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

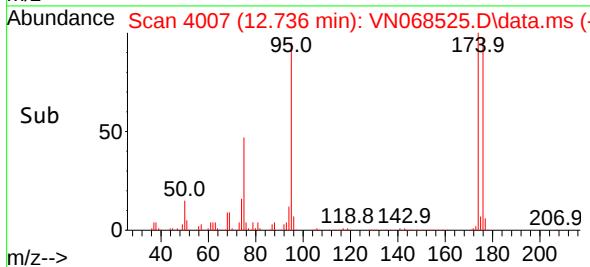
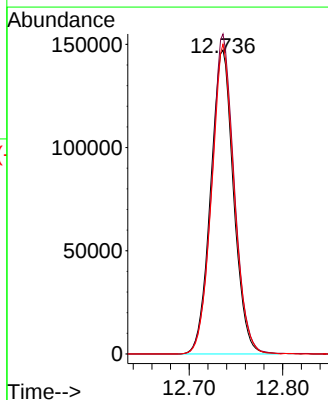
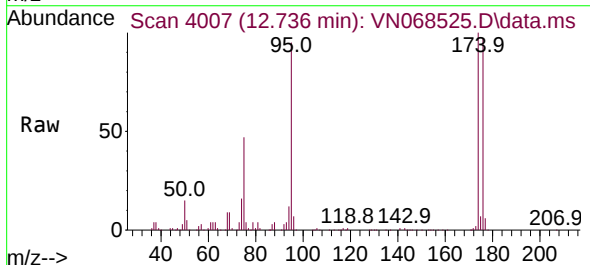
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

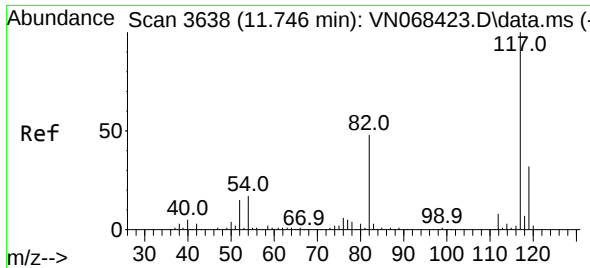
Tgt Ion:129 Resp: 250
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 45.275 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion: 95 Resp: 251269
Ion Ratio Lower Upper
95 100
174 103.7 0.0 214.0
176 99.6 0.0 205.4

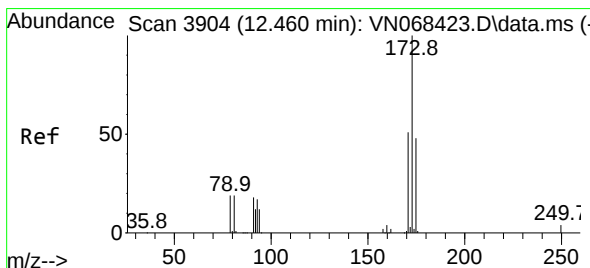
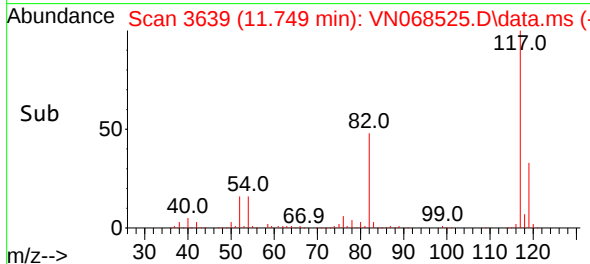
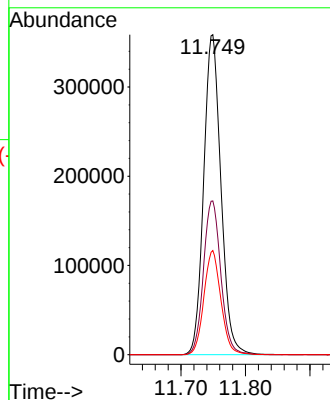
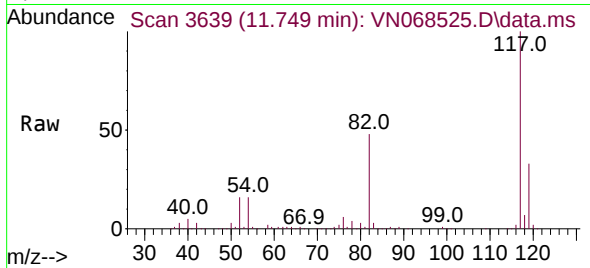




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

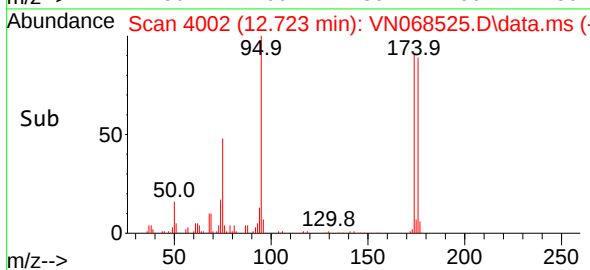
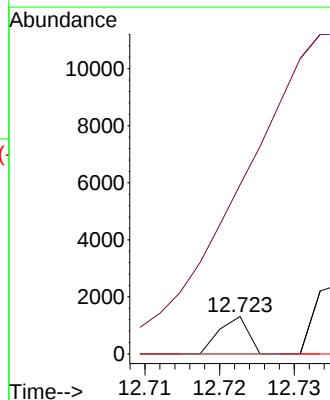
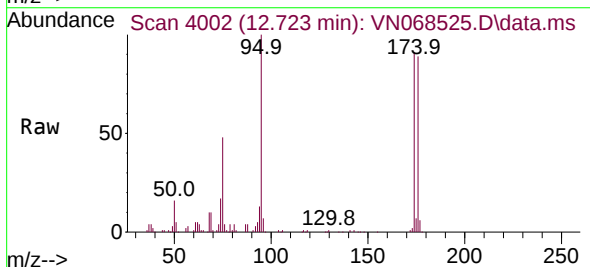
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

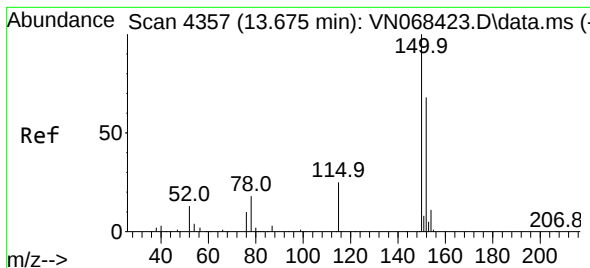
Tgt Ion:117 Resp: 666303
Ion Ratio Lower Upper
117 100
82 48.1 38.7 58.1
119 32.6 25.5 38.3



#71
Bromoform
Concen: 2.592 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion:173 Resp: 352
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: 13.678 min Scan# 4358

Delta R.T. 0.003 min

Lab File: VN068525.D

Acq: 17 Sep 2021 17:25

Instrument :

MSVOA_N

ClientSampleId :

FB01-20210915

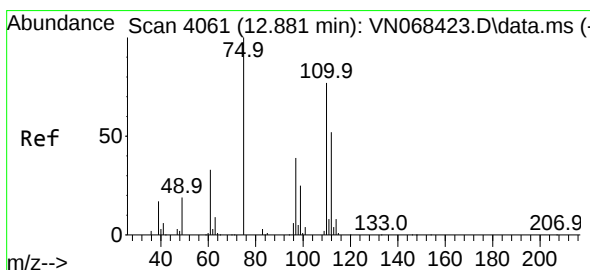
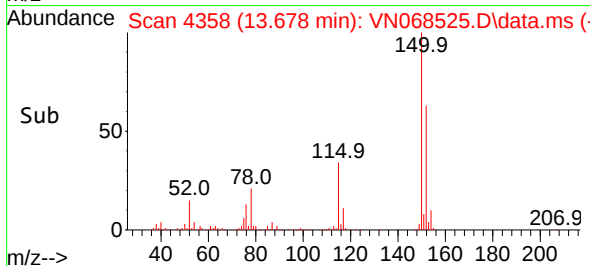
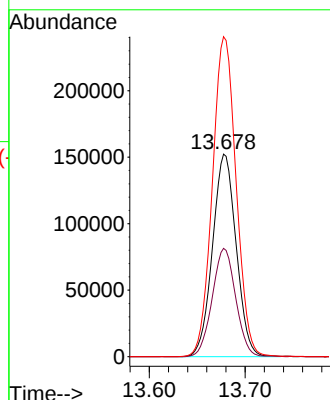
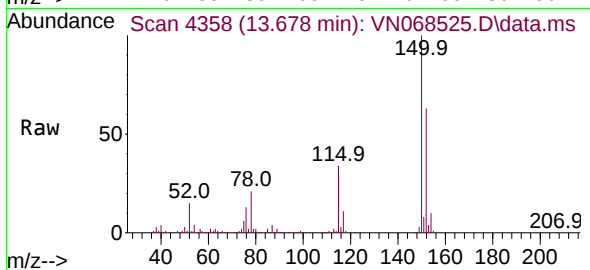
Tgt Ion:152 Resp: 260862

Ion Ratio Lower Upper

152 100

115 53.1 25.6 76.6

150 158.6 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 34.315 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.148 min

Lab File: VN068525.D

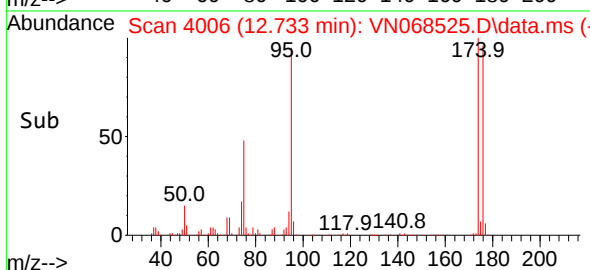
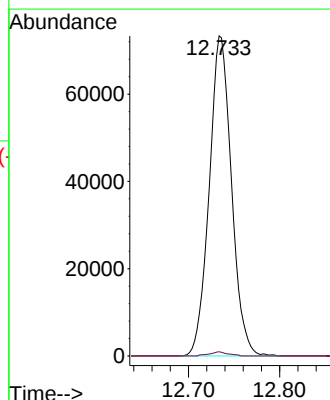
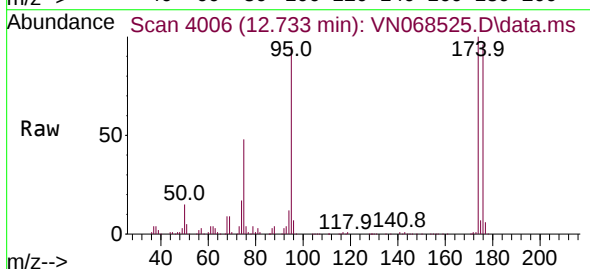
Acq: 17 Sep 2021 17:25

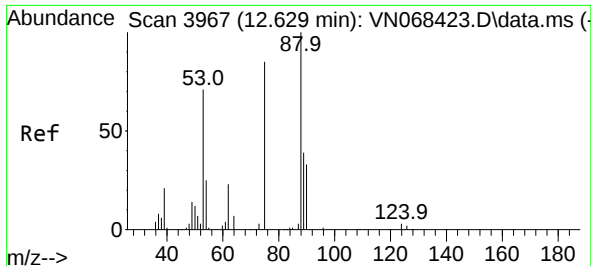
Tgt Ion: 75 Resp: 124333

Ion Ratio Lower Upper

75 100

77 1.1 100.9 302.7#

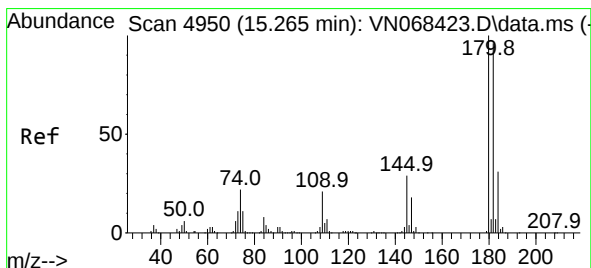
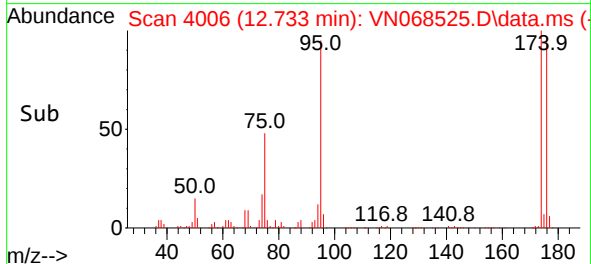
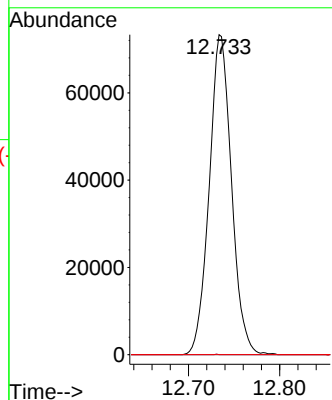
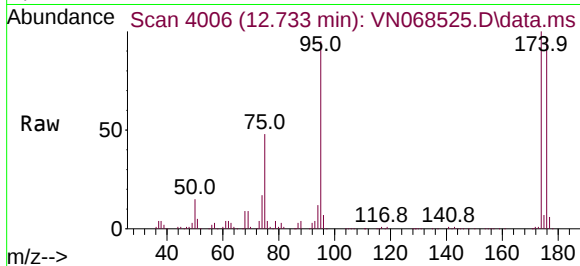




#81
trans-1,4-Dichloro-2-butene
Concen: 105.629 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

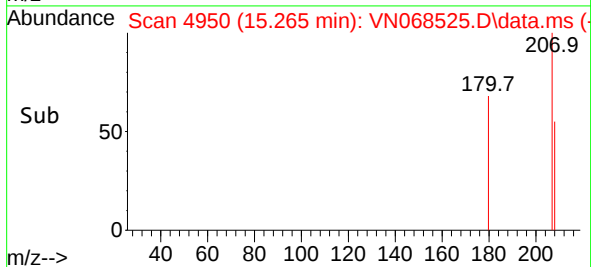
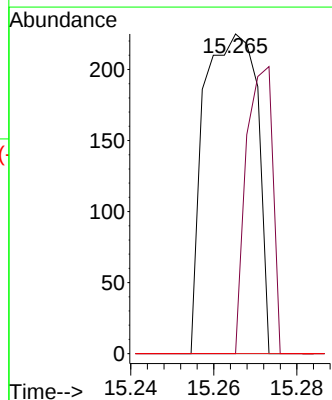
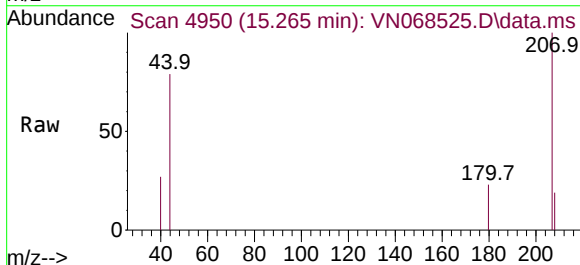
Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

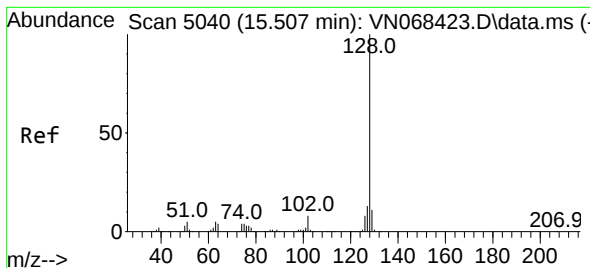
Tgt Ion: 75 Resp: 124333
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.998 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion:180 Resp: 199
Ion Ratio Lower Upper
180 100
182 44.7 47.5 142.6#
145 0.0 14.1 42.4#

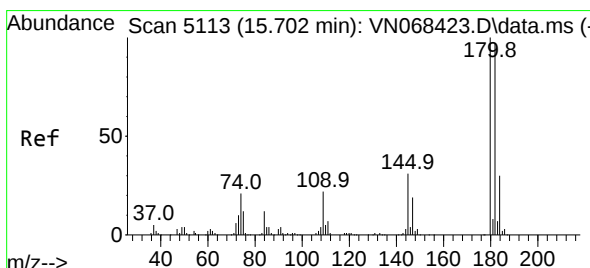
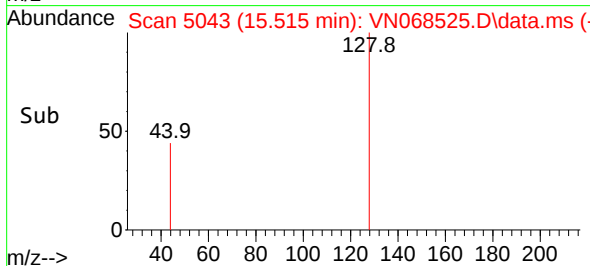
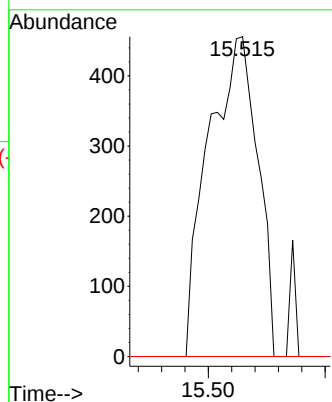
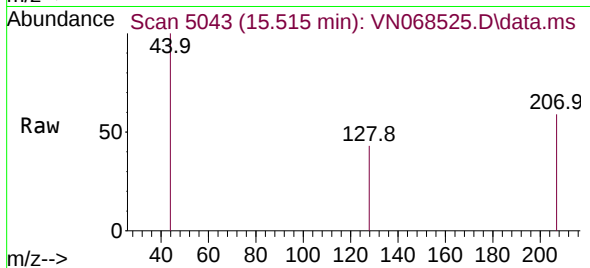




#95
Naphthalene
Concen: 3.556 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Instrument :
MSVOA_N
ClientSampleId :
FB01-20210915

Tgt Ion:128 Resp: 666
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.997 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068525.D
Acq: 17 Sep 2021 17:25

Tgt Ion:180 Resp: 111
Ion Ratio Lower Upper
180 100
182 138.7 47.9 143.6
145 0.0 15.2 45.5#

