

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068521.D
 Acq On : 17 Sep 2021 15:44
 Operator : JC/MD
 Sample : M3781-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE135D2-20210915

Quant Time: Sep 20 03:57:43 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)

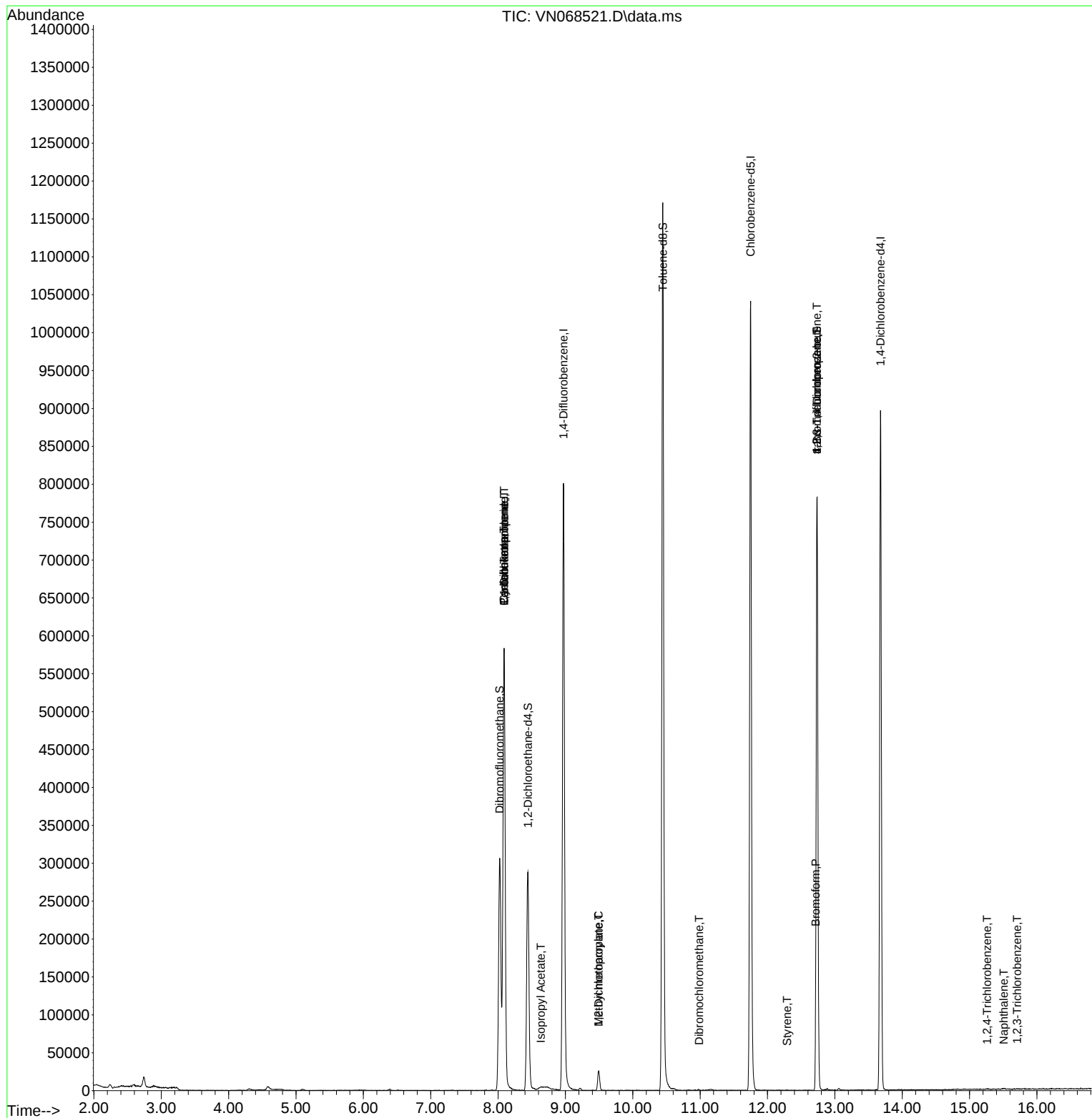
Internal Standards						
1) Pentafluorobenzene	8.091	168	502723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	803931	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	692770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	282497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	251282	54.491	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.980%			
35) Dibromofluoromethane	8.024	113	228276	47.079	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.160%			
50) Toluene-d8	10.446	98	906867	45.916	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 91.840%			
62) 4-Bromofluorobenzene	12.734	95	261938	40.793	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.580%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	1027	Below Cal		90
5) Bromomethane	2.885	94	830	Below Cal		90
11) Tert butyl alcohol	5.374	59	220	Below Cal	#	84
16) Acetone	4.307	43	3990	Below Cal		96
18) Methyl Acetate	4.859	43	280	Below Cal	#	45
20) Methylene Chloride	5.101	84	230	Below Cal	#	38
31) Cyclohexane	8.088	56	8191	1.172 ug/l	#	32
36) 1,1-Dichloropropene	8.091	75	31810	4.746 ug/l	#	47
38) Carbon Tetrachloride	8.091	117	45312	5.643 ug/l	#	16
43) Isopropyl Acetate	8.636	43	4640	0.516 ug/l	#	51
45) 1,2-Dichloropropane	9.491	63	10041	2.120 ug/l		97
48) Methyl methacrylate	9.494	41	5738	1.528 ug/l	#	27
60) Dibromochloromethane	10.985	129	49	1.809 ug/l	#	11
70) Styrene	12.291	104	49	1.757 ug/l	#	27
71) Bromoform	12.715	173	161	2.555 ug/l	#	29
76) 1,2,3-Trichloropropane	12.734	75	130996	33.355 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.734	75	130996	102.767 ug/l	#	13
93) 1,2,4-Trichlorobenzene	15.263	180	155	2.987 ug/l	#	40
95) Naphthalene	15.507	128	1272	3.602 ug/l	#	69
96) 1,2,3-Trichlorobenzene	15.705	180	206	3.013 ug/l		87

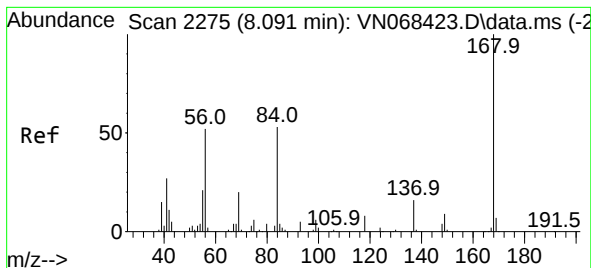
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VN068521.D

Acq: 17 Sep 2021 15:44

Tgt Ion:168 Resp: 502723

Ion Ratio Lower Upper

168 100

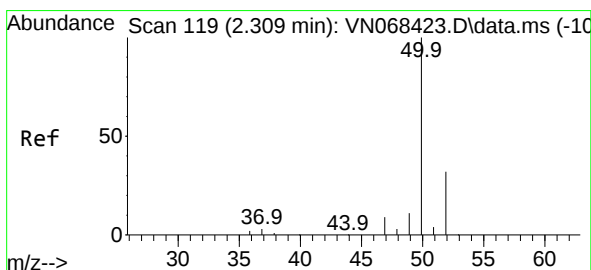
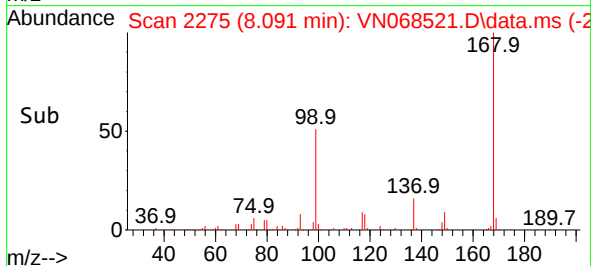
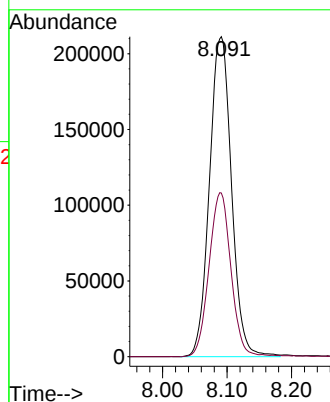
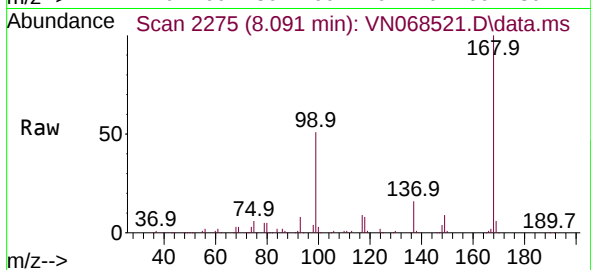
99 51.2 38.2 57.4

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20210915



#3

Chloromethane

Concen: Below Cal

RT: 2.301 min Scan# 116

Delta R.T. -0.008 min

Lab File: VN068521.D

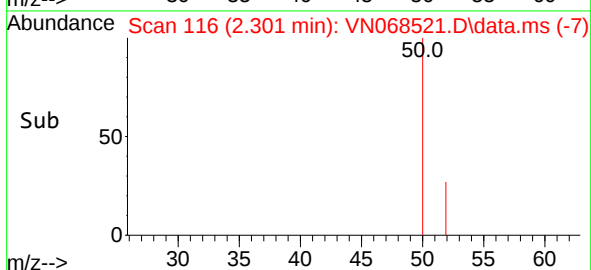
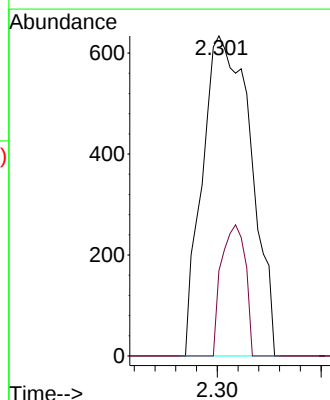
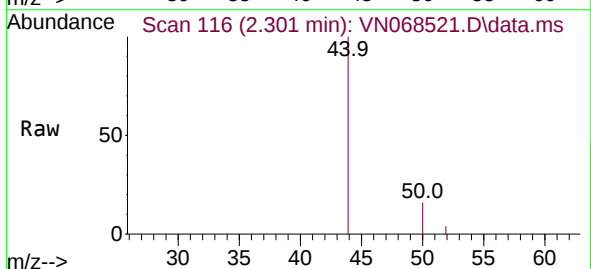
Acq: 17 Sep 2021 15:44

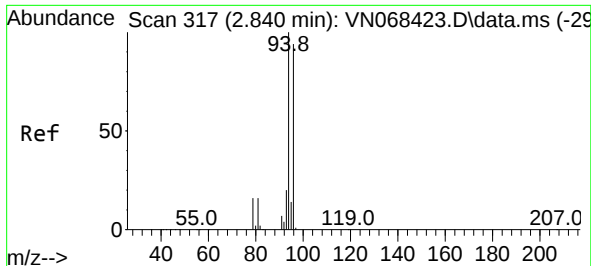
Tgt Ion: 50 Resp: 1027

Ion Ratio Lower Upper

50 100

52 26.7 25.8 38.6

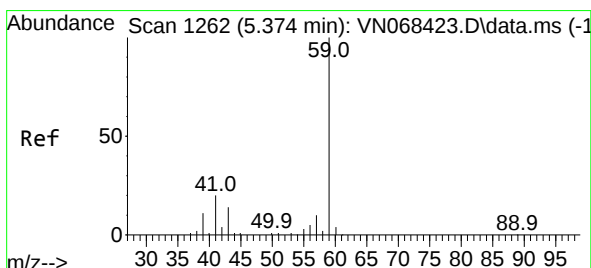
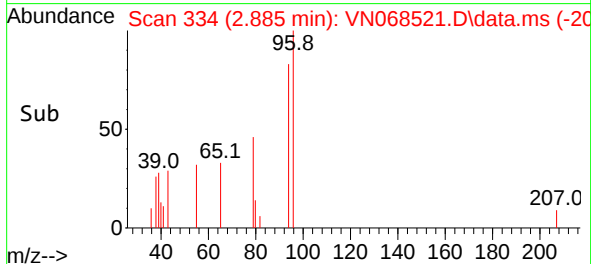
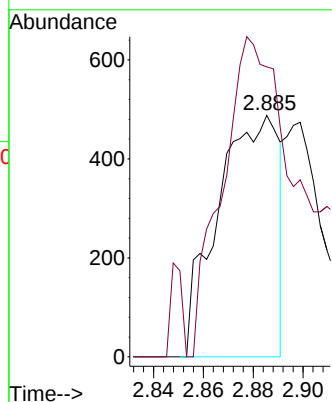
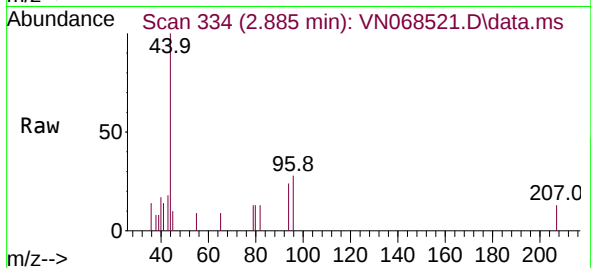




#5
Bromomethane
Concen: Below Cal
RT: 2.885 min Scan# 334
Delta R.T. 0.045 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

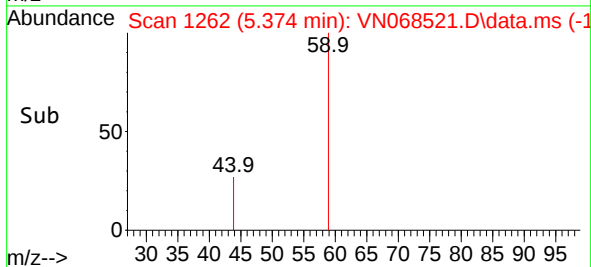
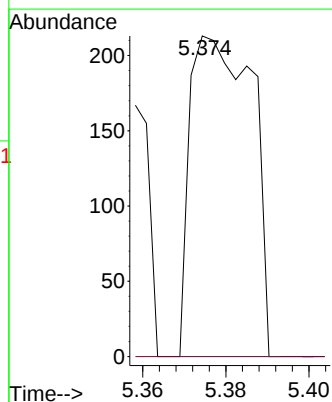
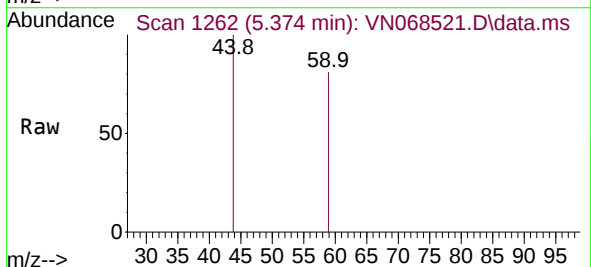
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

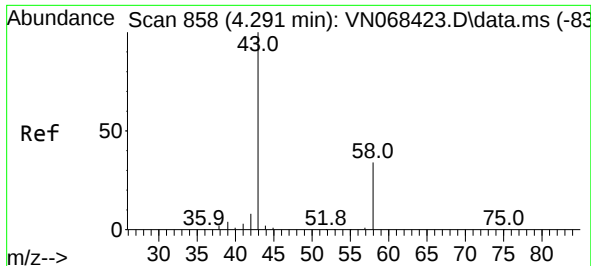
Tgt Ion: 94 Resp: 830
Ion Ratio Lower Upper
94 100
96 84.4 75.4 113.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.374 min Scan# 1262
Delta R.T. 0.000 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

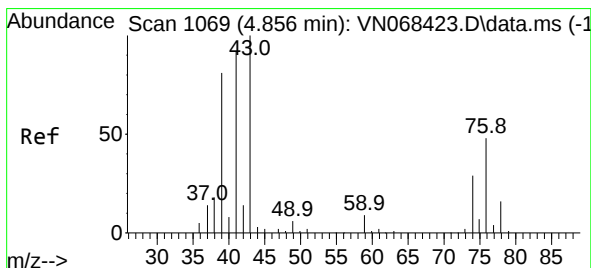
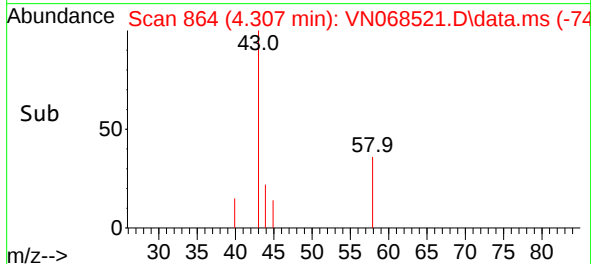
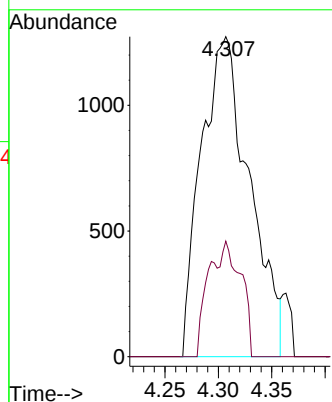
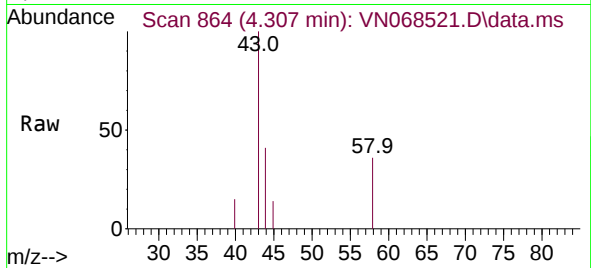




#16
Acetone
Concen: Below Cal
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

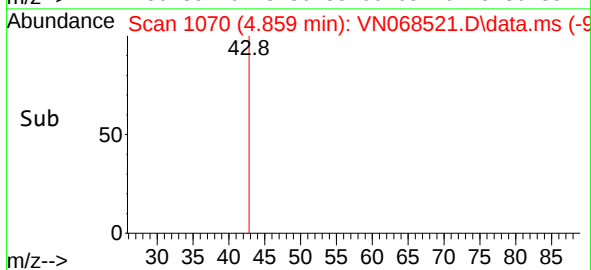
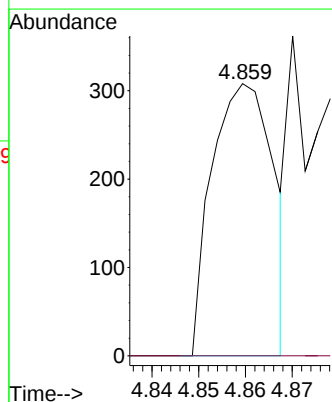
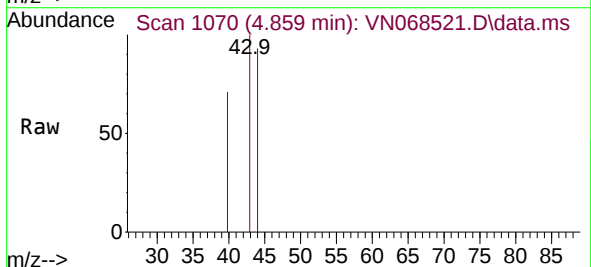
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

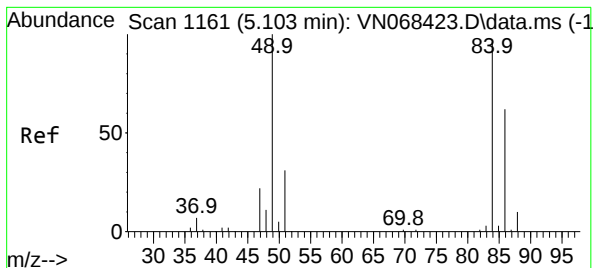
Tgt Ion: 43 Resp: 3990
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.101 min Scan# 1160

Delta R.T. -0.002 min

Lab File: VN068521.D

Acq: 17 Sep 2021 15:44

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20210915

Tgt Ion: 84 Resp: 230

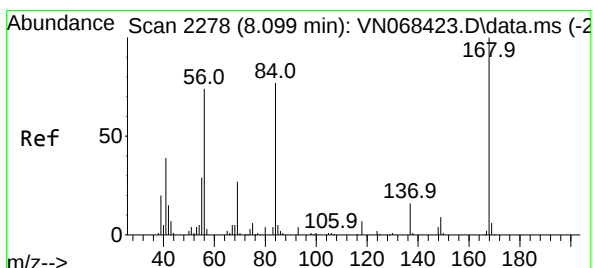
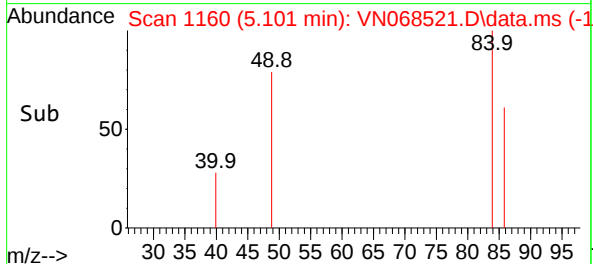
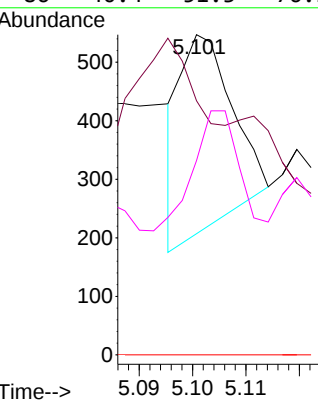
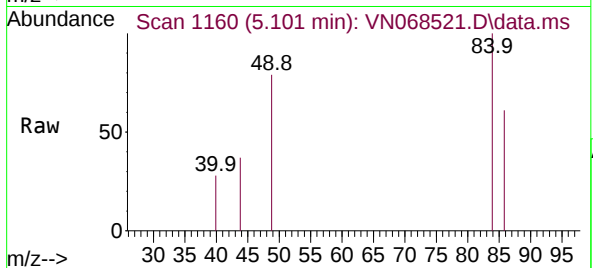
Ion Ratio Lower Upper

84 100

49 19.6 83.0 124.6#

51 0.0 25.4 38.0#

86 40.4 51.3 76.9#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN068521.D

Acq: 17 Sep 2021 15:44

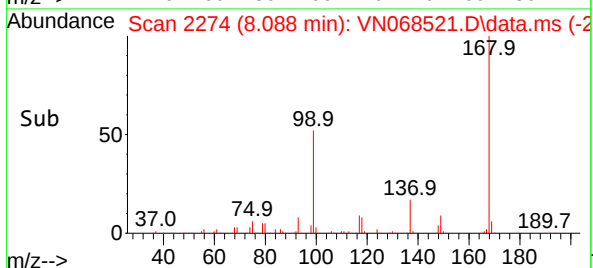
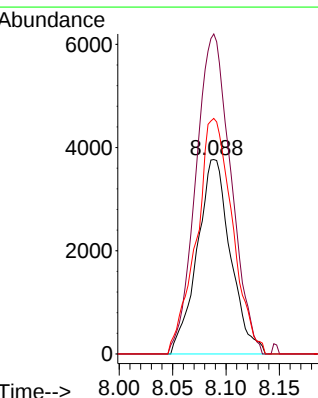
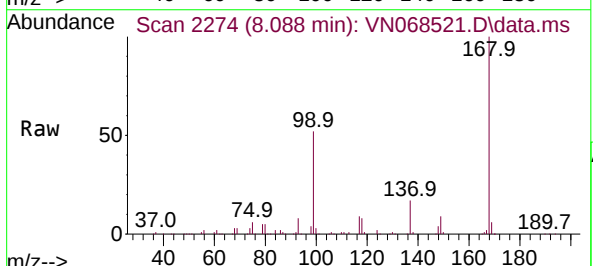
Tgt Ion: 56 Resp: 8191

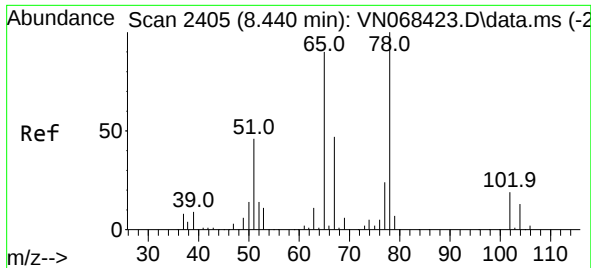
Ion Ratio Lower Upper

56 100

69 164.6 29.4 44.0#

84 121.1 83.6 125.4

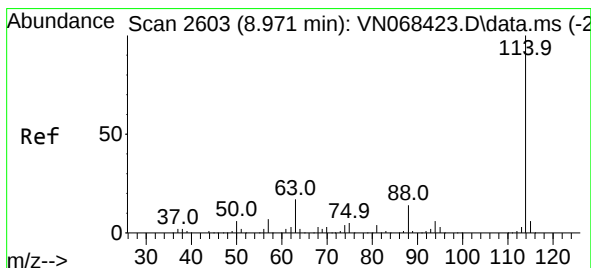
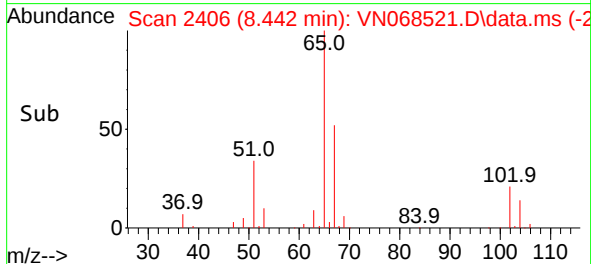
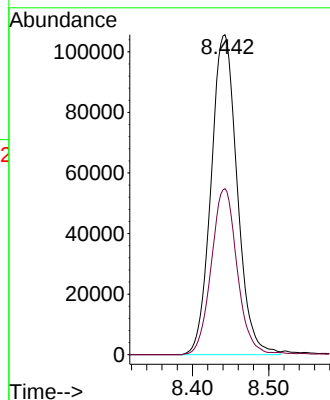
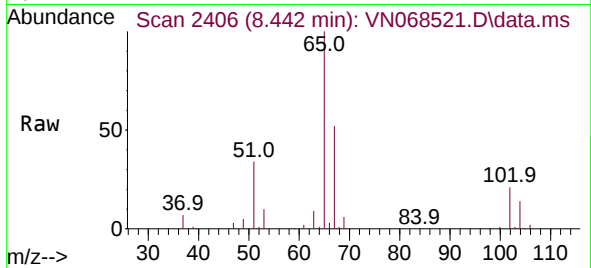




#33
1,2-Dichloroethane-d4
Concen: 54.491 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

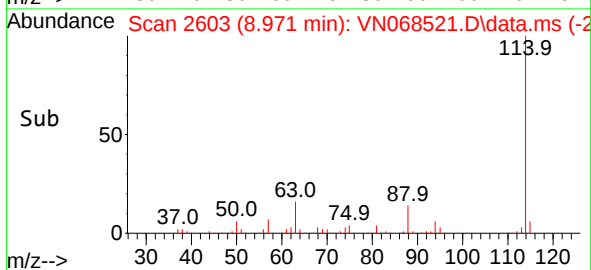
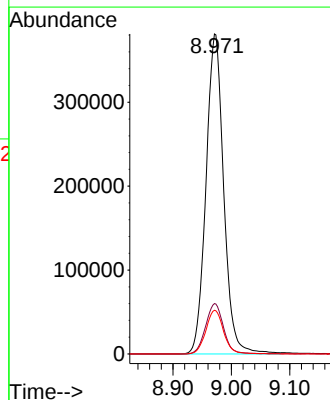
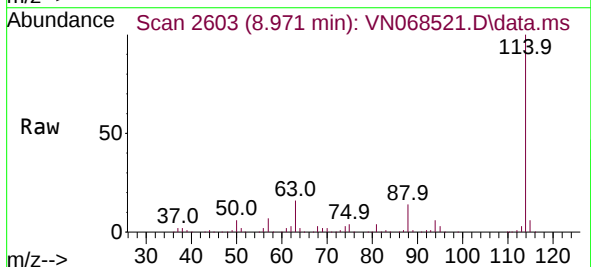
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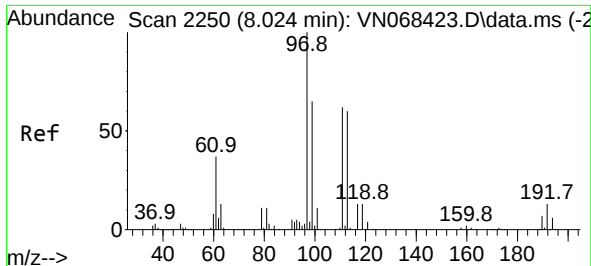
Tgt Ion: 65 Resp: 251282
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 114 Resp: 803931
Ion Ratio Lower Upper
114 100
63 15.7 0.0 33.2
88 13.7 0.0 28.4

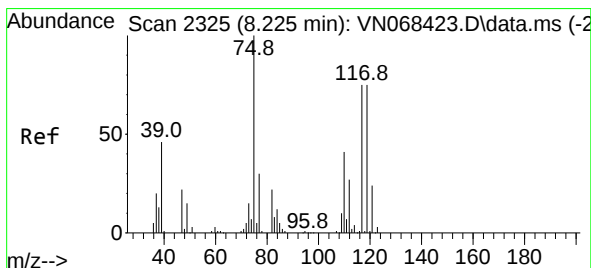
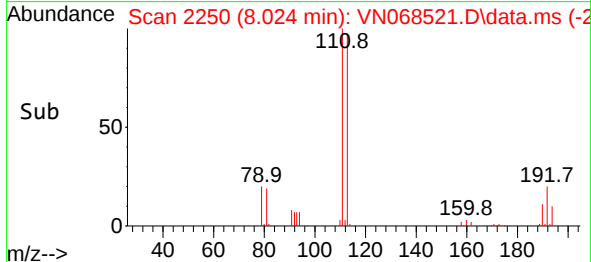
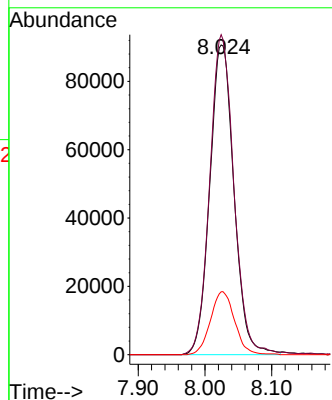
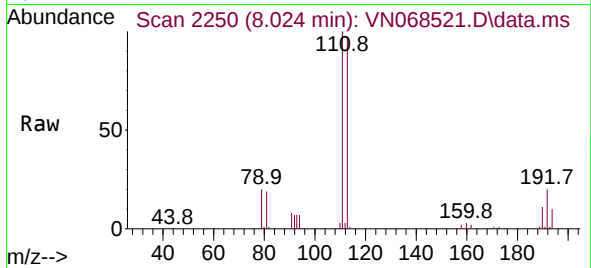




#35
Dibromofluoromethane
Concen: 47.079 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

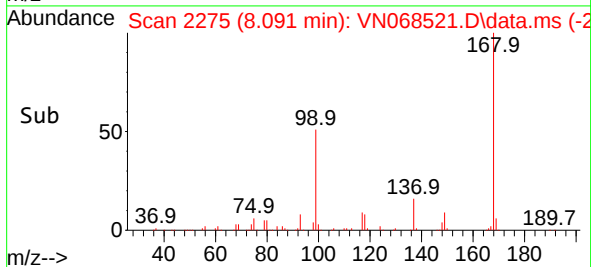
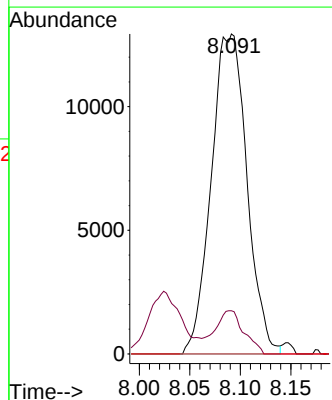
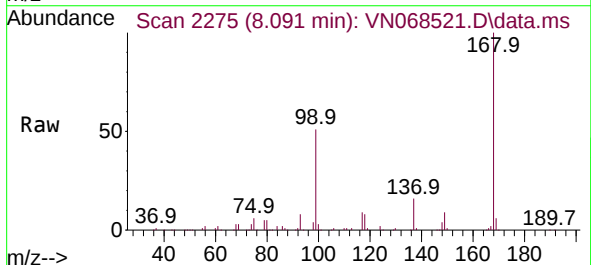
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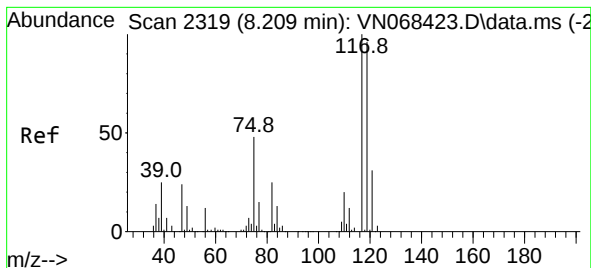
Tgt Ion: 113 Resp: 228276
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 20.3 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 75 Resp: 31810
Ion Ratio Lower Upper
75 100
110 10.4 20.8 62.5#
77 0.0 25.0 37.6#

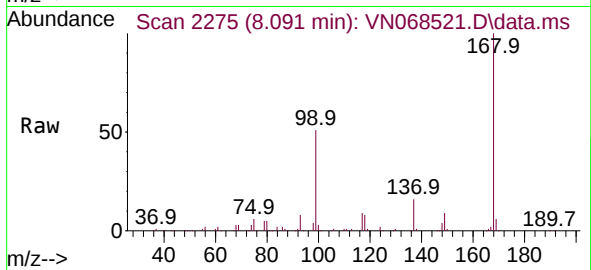




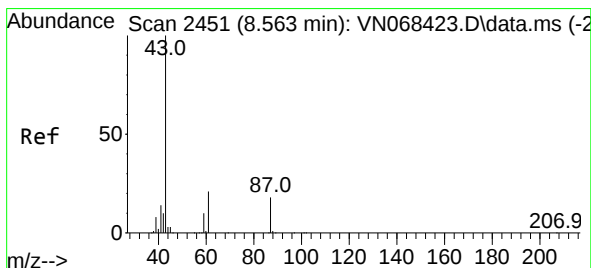
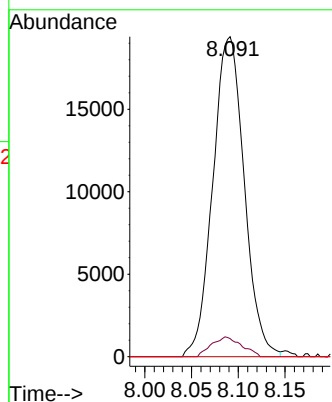
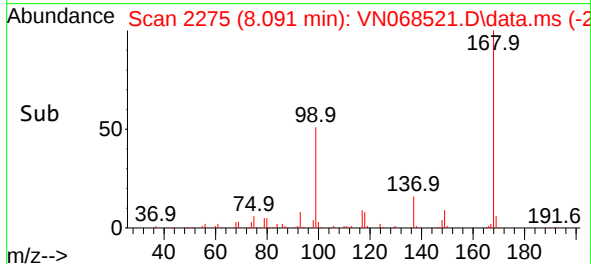
#38

Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

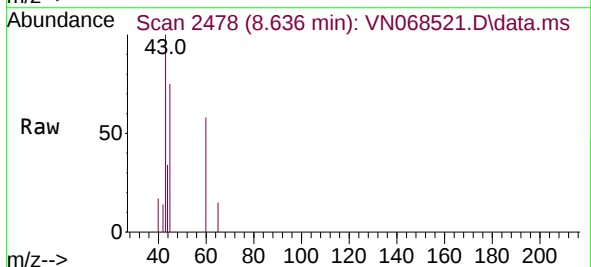


Tgt Ion:117 Resp: 45312
Ion Ratio Lower Upper
117 100
119 5.6 76.6 114.8#
121 0.0 24.5 36.7#

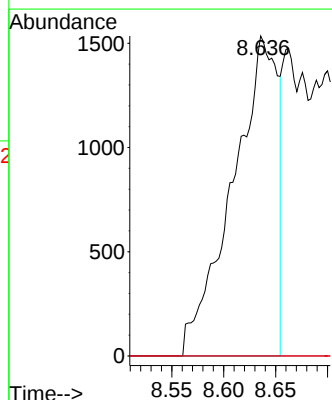
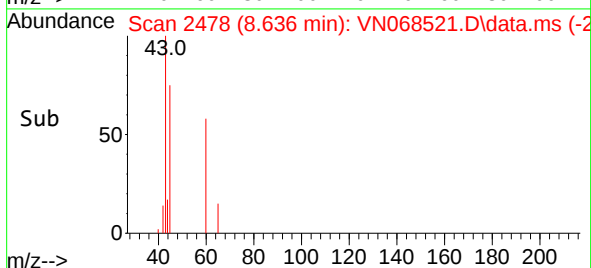


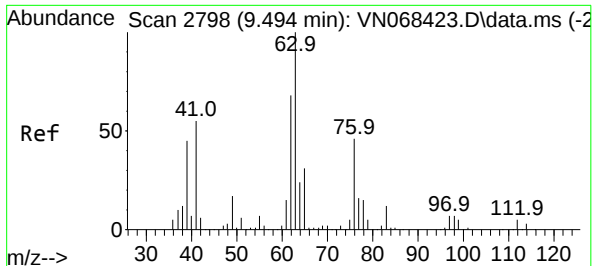
#43

Isopropyl Acetate
Concen: 0.516 ug/l
RT: 8.636 min Scan# 2478
Delta R.T. 0.073 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44



Tgt Ion: 43 Resp: 4640
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#



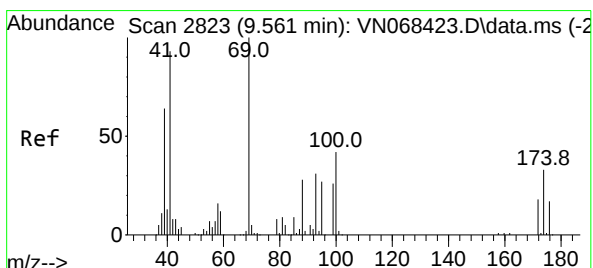
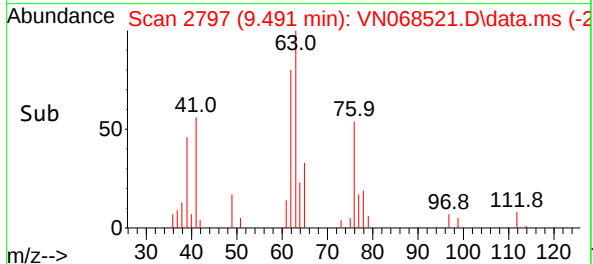
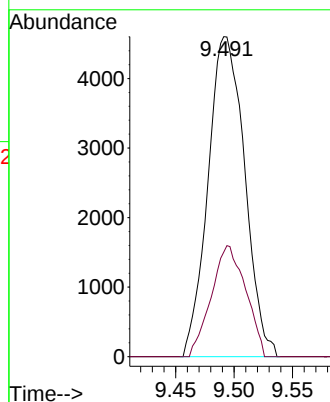
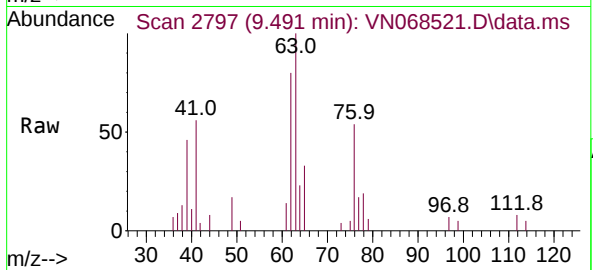


#45

1,2-Dichloropropane
Concen: 2.120 ug/l
RT: 9.491 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

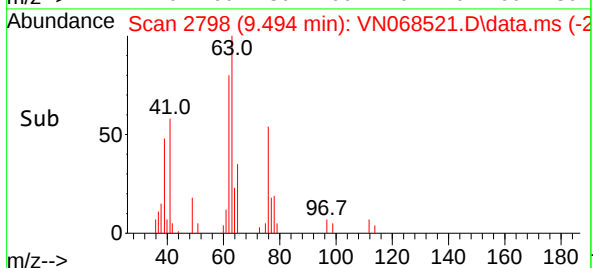
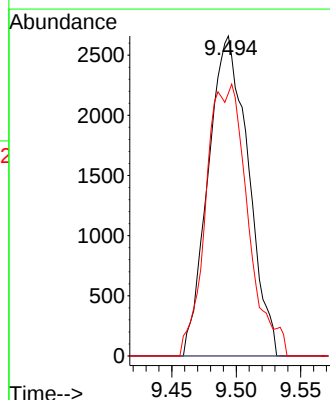
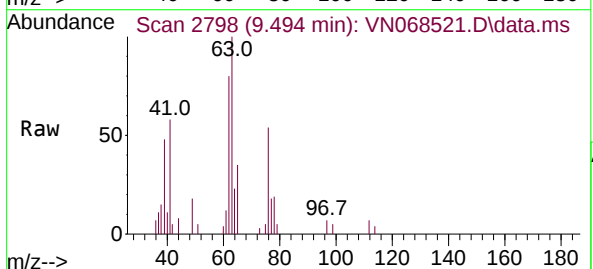
Tgt Ion: 63 Resp: 10041
Ion Ratio Lower Upper
63 100
65 32.7 24.8 37.2

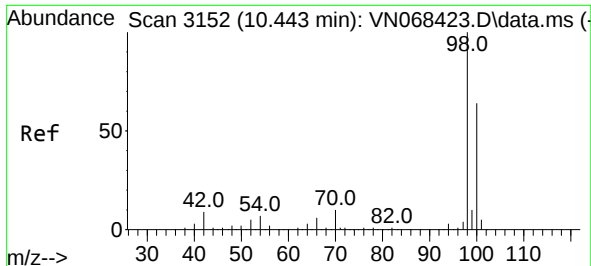


#48

Methyl methacrylate
Concen: 1.528 ug/l
RT: 9.494 min Scan# 2798
Delta R.T. -0.067 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 41 Resp: 5738
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 43.0 50.3 75.5#

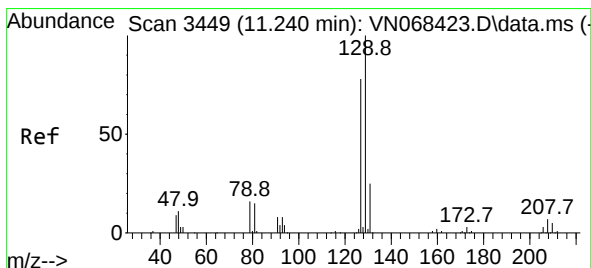
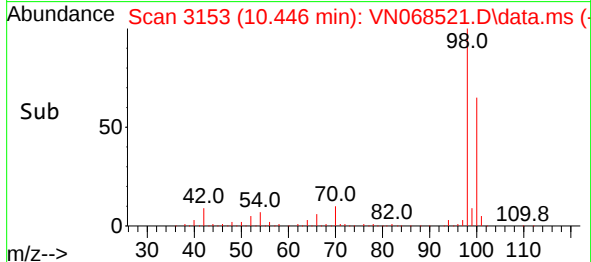
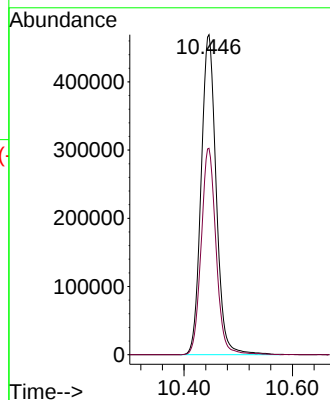
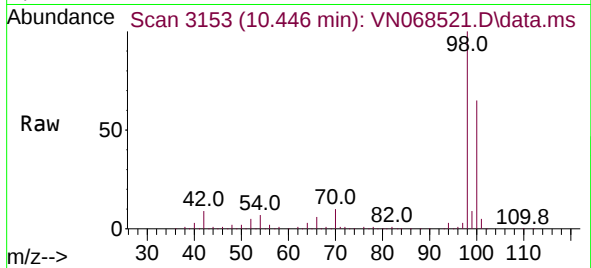




#50
Toluene-d8
Concen: 45.916 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

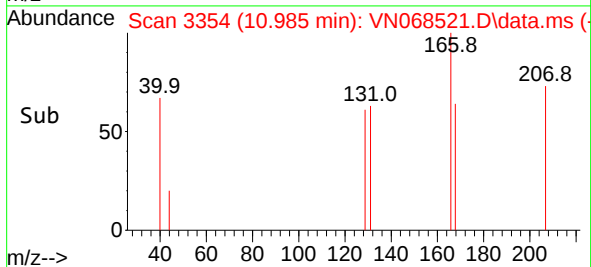
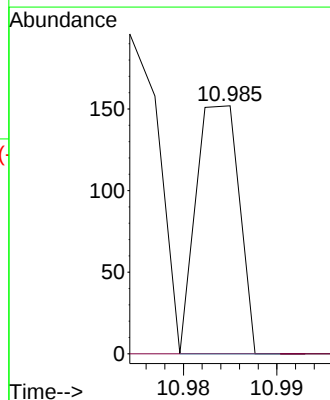
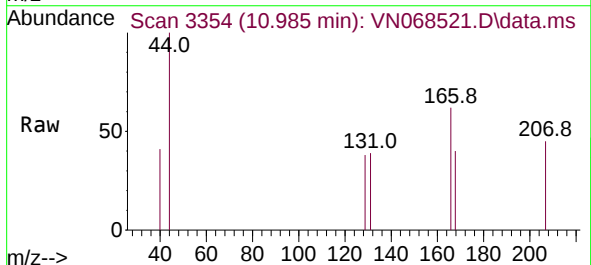
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

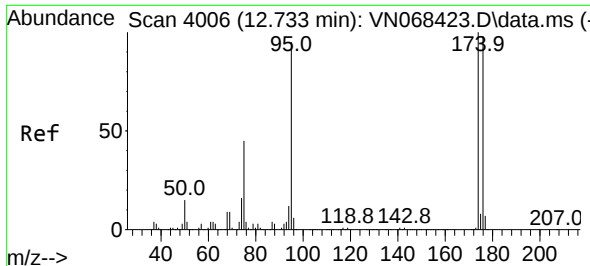
Tgt Ion: 98 Resp: 906867
Ion Ratio Lower Upper
98 100
100 63.7 51.0 76.6



#60
Dibromochloromethane
Concen: 1.809 ug/l
RT: 10.985 min Scan# 3354
Delta R.T. -0.255 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 129 Resp: 49
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

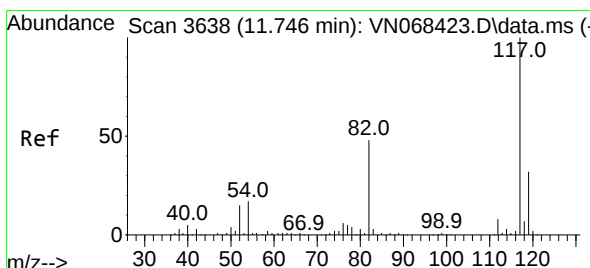
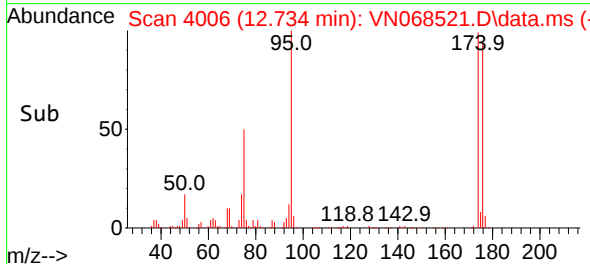
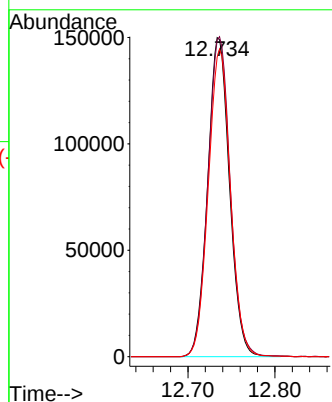
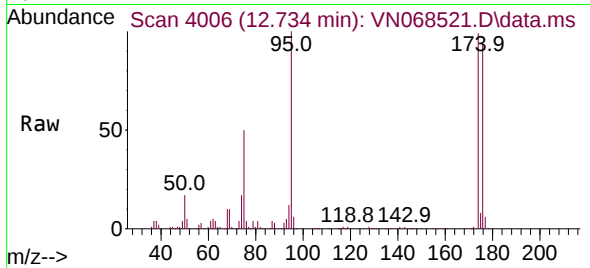




#62
4-Bromofluorobenzene
Concen: 40.793 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

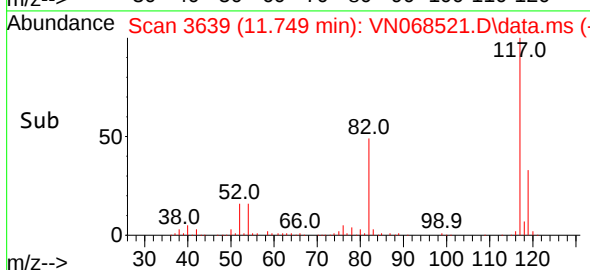
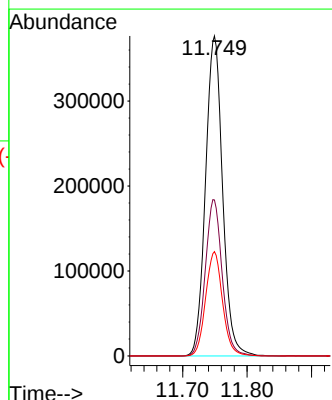
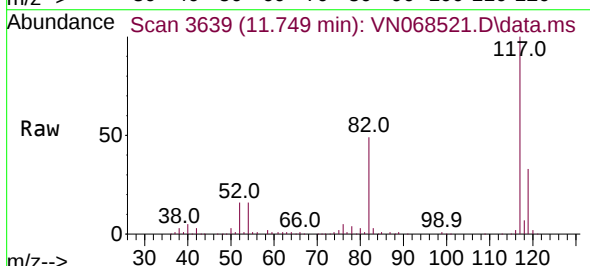
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

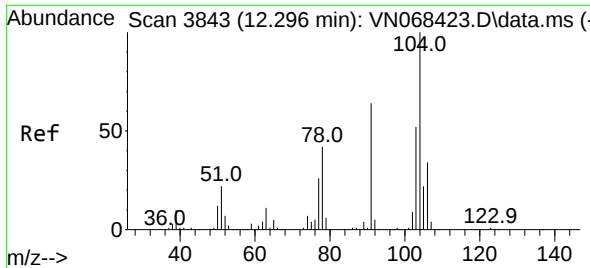
Tgt Ion: 95 Resp: 261938
Ion Ratio Lower Upper
95 100
174 102.6 0.0 214.0
176 98.0 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion: 117 Resp: 692770
Ion Ratio Lower Upper
117 100
82 48.8 38.7 58.1
119 32.6 25.5 38.3

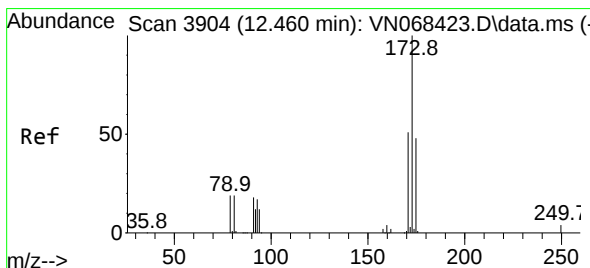
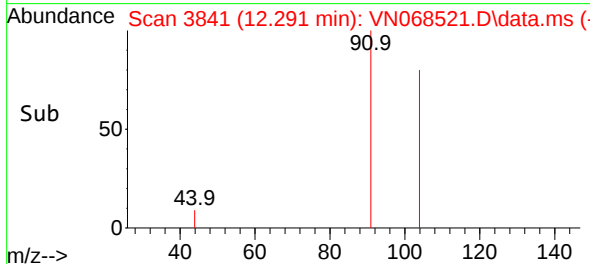
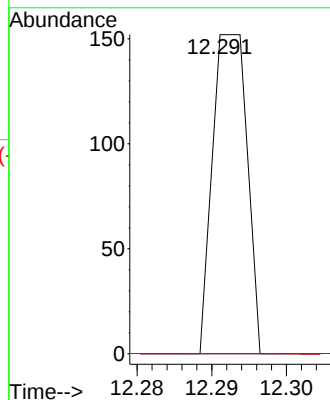
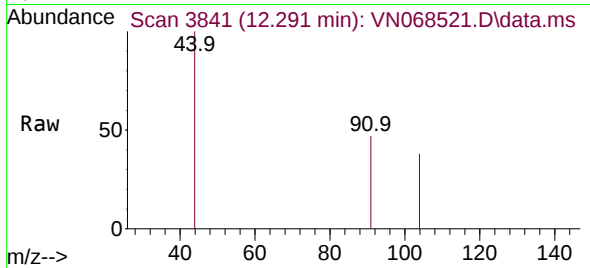




#70
Styrene
Concen: 1.757 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. -0.005 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

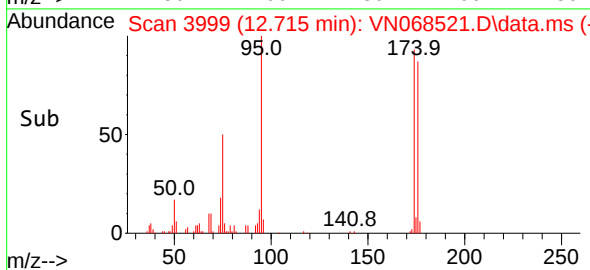
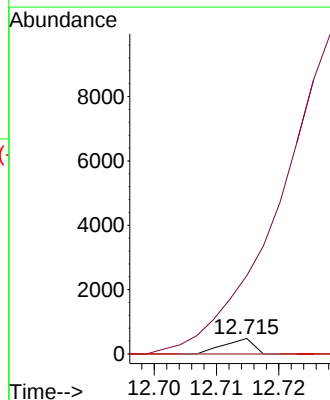
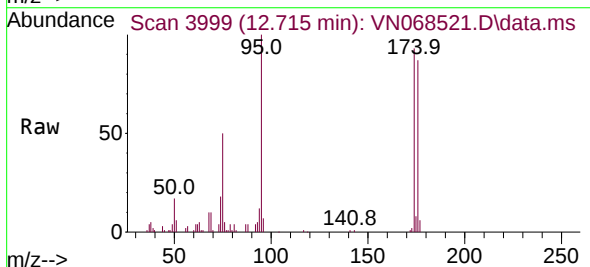
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

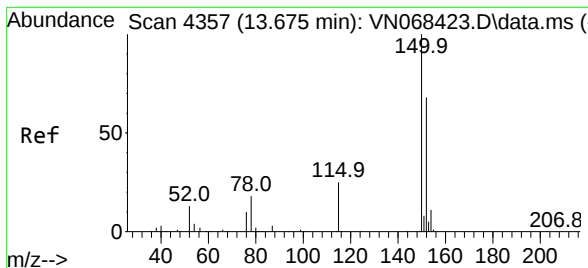
Tgt Ion:	104	Resp:	49
Ion Ratio	Lower	Upper	
104	100		
78	0.0	36.2	54.2#
103	0.0	44.4	66.6#



#71
Bromoform
Concen: 2.555 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

Tgt Ion:	173	Resp:	161
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: VN068521.D

Acq: 17 Sep 2021 15:44

Instrument :

MSVOA_N

ClientSampleId :

RE135D2-20210915

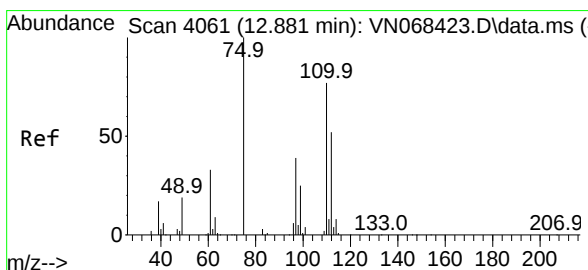
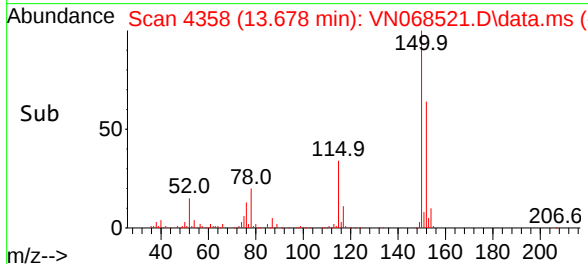
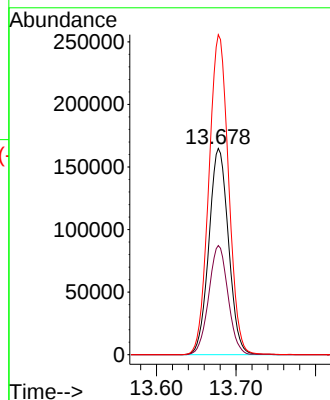
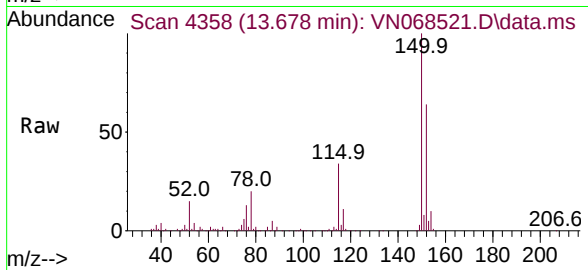
Tgt Ion:152 Resp: 282497

Ion Ratio Lower Upper

152 100

115 52.1 25.6 76.6

150 155.9 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 33.355 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.147 min

Lab File: VN068521.D

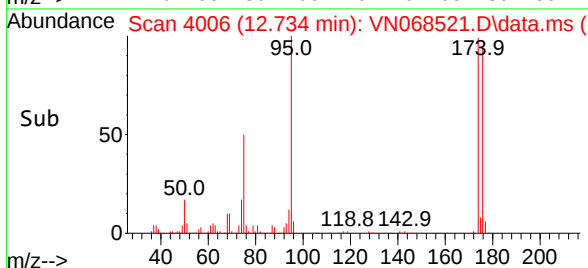
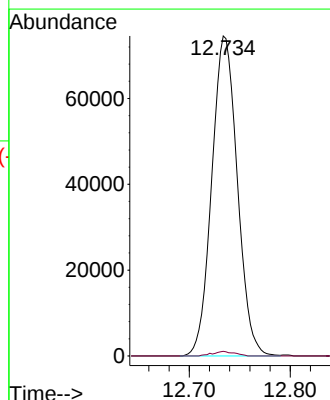
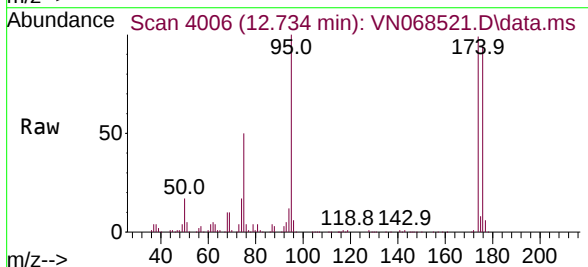
Acq: 17 Sep 2021 15:44

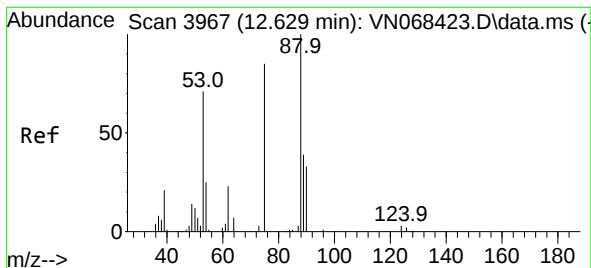
Tgt Ion: 75 Resp: 130996

Ion Ratio Lower Upper

75 100

77 1.2 100.9 302.7#

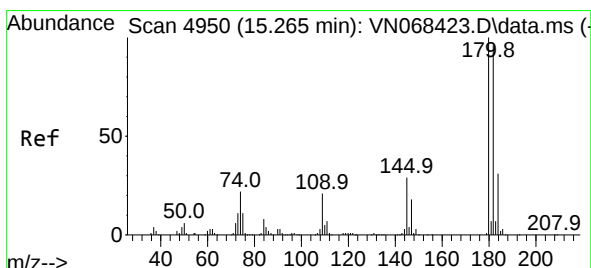
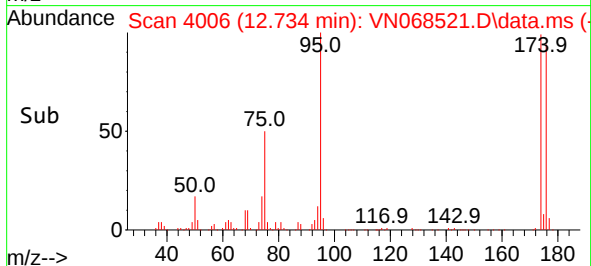
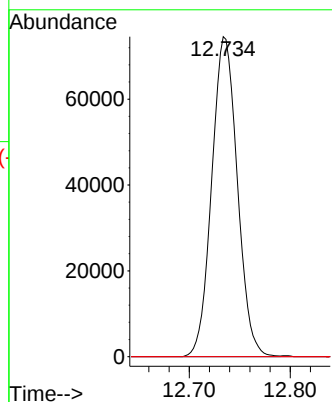
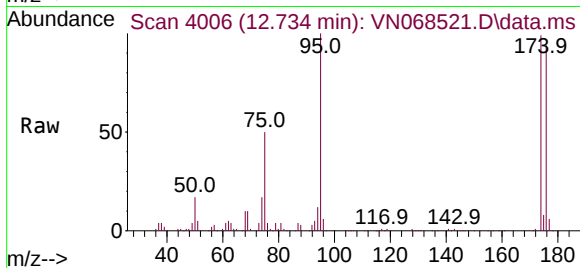




#81
trans-1,4-Dichloro-2-butene
Concen: 102.767 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

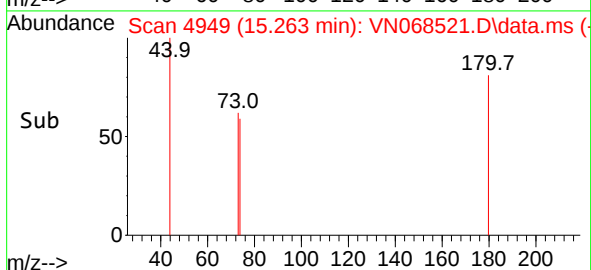
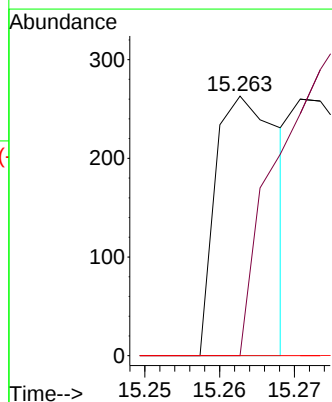
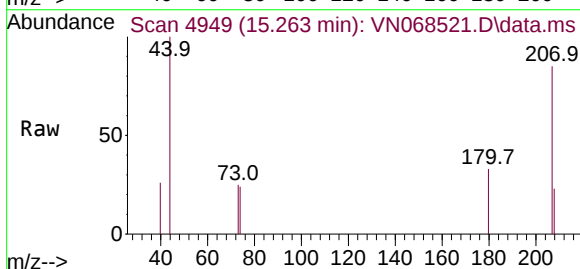
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915

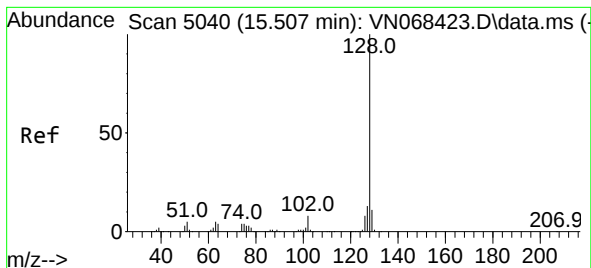
Tgt Ion: 75 Resp: 130996
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.987 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

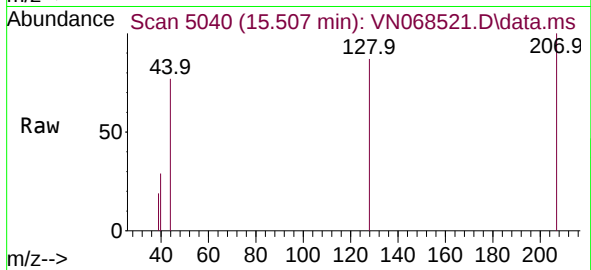
Tgt Ion:180 Resp: 155
Ion Ratio Lower Upper
180 100
182 154.8 47.5 142.6#
145 0.0 14.1 42.4#



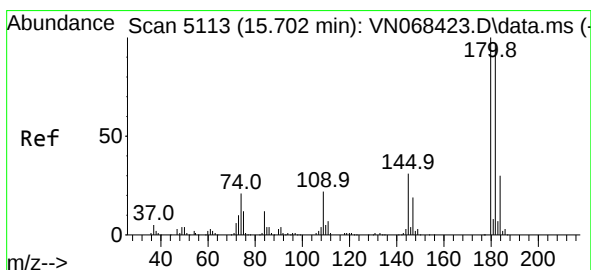
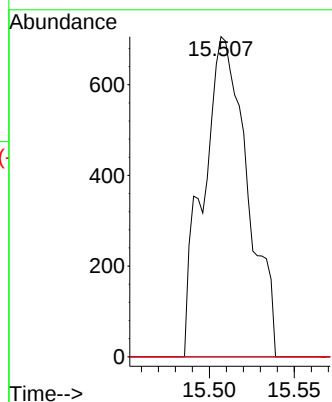
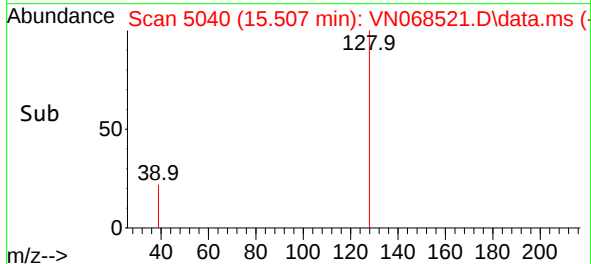


#95
Naphthalene
Concen: 3.602 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44

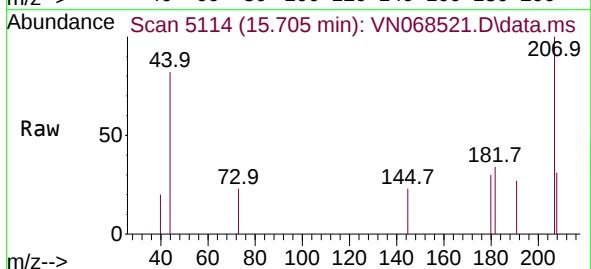
Instrument :
MSVOA_N
ClientSampleId :
RE135D2-20210915



Tgt Ion:128 Resp: 1272
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: 3.013 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068521.D
Acq: 17 Sep 2021 15:44



Tgt Ion:180 Resp: 206
Ion Ratio Lower Upper
180 100
182 80.6 47.9 143.6
145 27.7 15.2 45.5

