

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092921\
 Data File : VN068743.D
 Acq On : 29 Sep 2021 16:50
 Operator : JC/MD
 Sample : VN0929WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 29 23:40:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

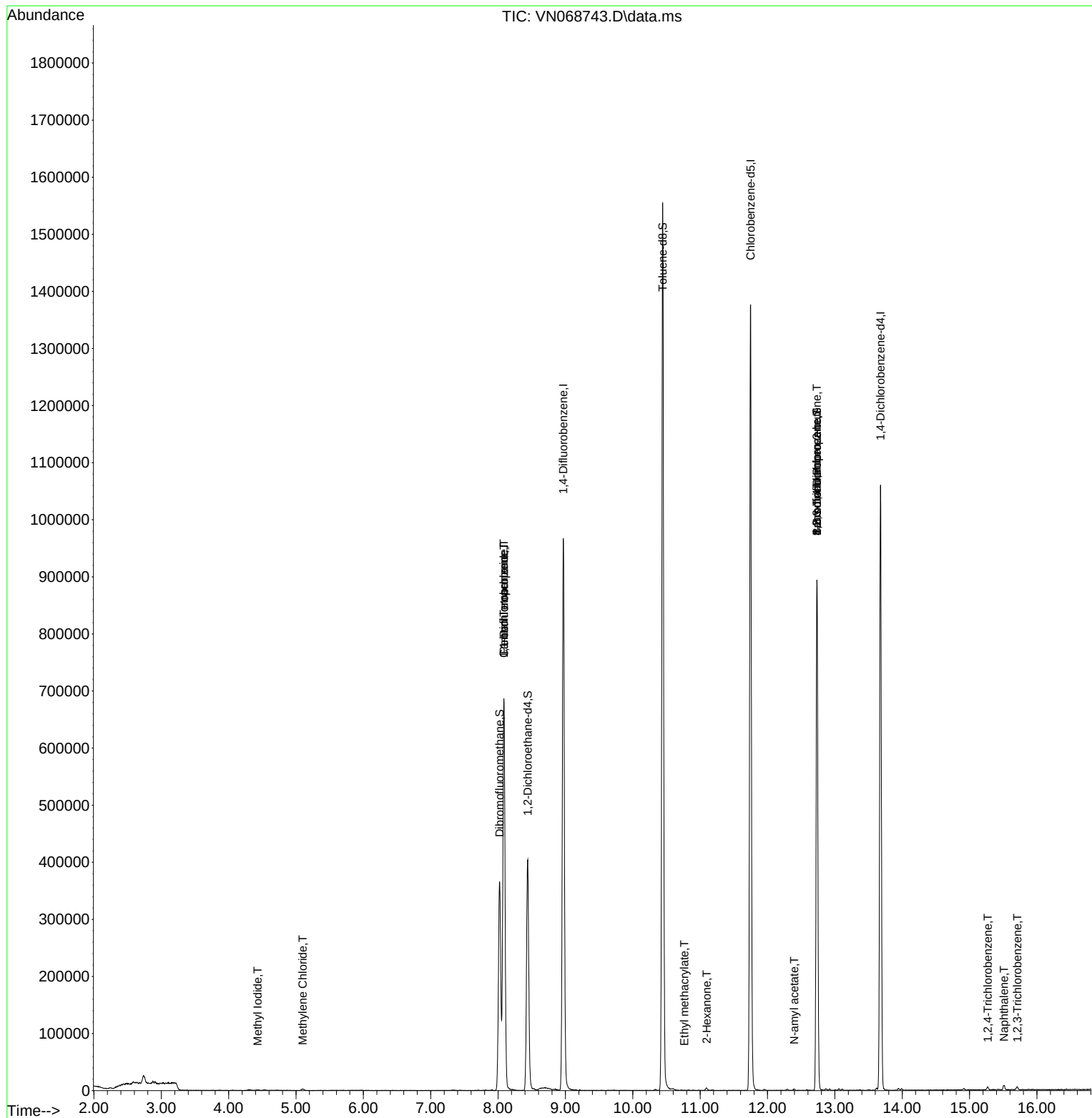
Internal Standards						
1) Pentafluorobenzene	8.086	168	496734	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	856185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	779470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	272761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	334799	48.374	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.740%		
35) Dibromofluoromethane	8.021	113	262456	49.337	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.680%		
50) Toluene-d8	10.443	98	1076028	55.354	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.700%		
62) 4-Bromofluorobenzene	12.734	95	291465	43.150	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.300%		
Target Compounds						
						Qvalue
3) Chloromethane	2.295	50	334	Below Cal	#	43
5) Bromomethane	2.875	94	2058	Below Cal	#	62
6) Chloroethane	3.014	64	72	Below Cal	#	1
10) Methyl Iodide	4.433	142	482	1.445	ug/l #	81
13) Acrolein	4.047	56	94	Below Cal	#	14
16) Acetone	4.299	43	1317	Below Cal	#	82
17) Carbon Disulfide	4.527	76	700	Below Cal	#	74
20) Methylene Chloride	5.098	84	1583	0.263	ug/l #	74
31) Cyclohexane	8.088	56	13148	Below Cal	#	37
36) 1,1-Dichloropropene	8.088	75	42097	5.228	ug/l #	52
38) Carbon Tetrachloride	8.088	117	54822	5.731	ug/l #	16
56) Ethyl methacrylate	10.765	69	232	1.845	ug/l #	50
59) 2-Hexanone	11.098	43	3686	0.629	ug/l	89
71) Bromoform	12.734	173	1018	0.210	ug/l #	1
74) N-amyl acetate	12.398	43	1572	0.200	ug/l #	86
76) 1,2,3-Trichloropropane	12.734	75	170306	28.076	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	170306	81.617	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	2165	0.481	ug/l	95
95) Naphthalene	15.512	128	7807	2.037	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.708	180	2066	0.479	ug/l	91

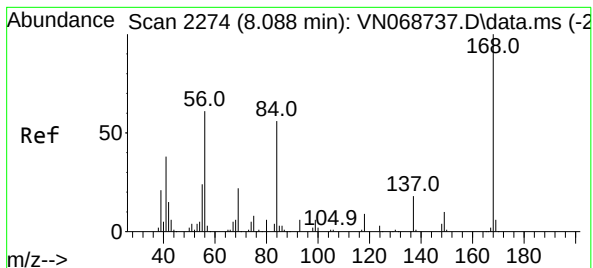
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 29 23:31:35 2021
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.002 min

Lab File: VN068743.D

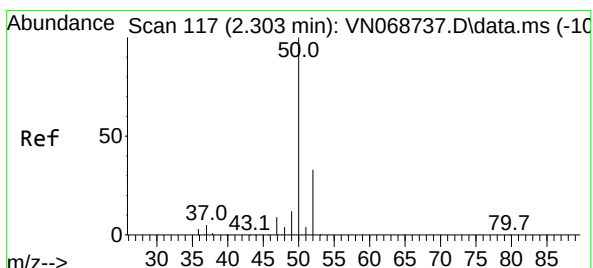
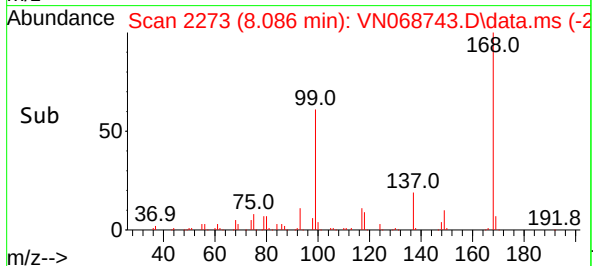
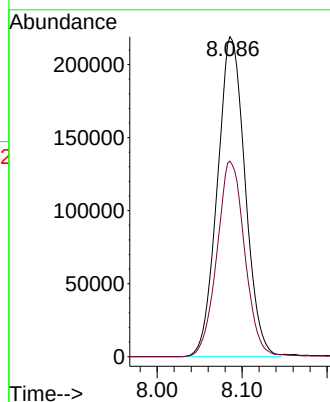
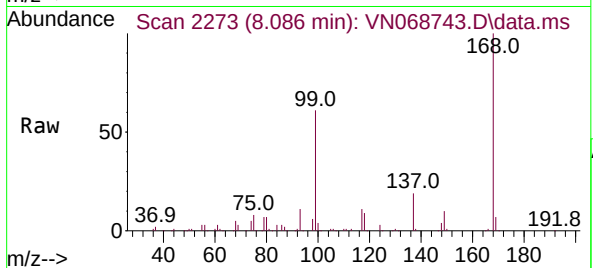
Acq: 29 Sep 2021 16:50

Tgt Ion:168 Resp: 496734

Ion Ratio Lower Upper

168 100

99 61.1 62.9 94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.295 min Scan# 114

Delta R.T. -0.008 min

Lab File: VN068743.D

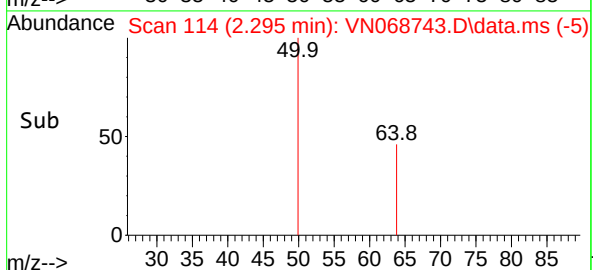
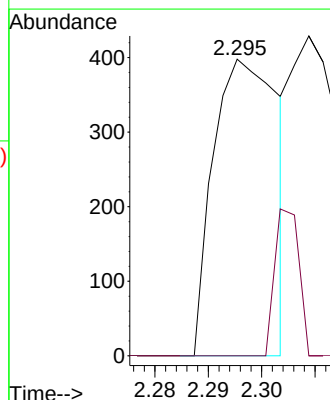
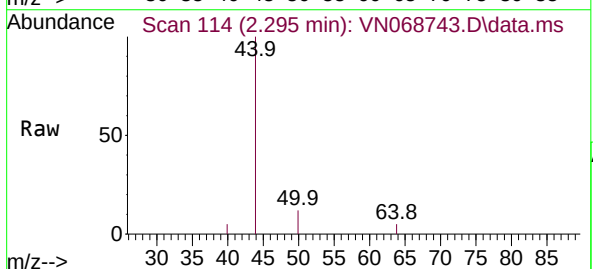
Acq: 29 Sep 2021 16:50

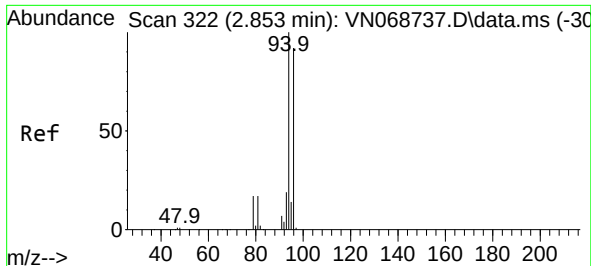
Tgt Ion: 50 Resp: 334

Ion Ratio Lower Upper

50 100

52 0.0 25.6 38.4#

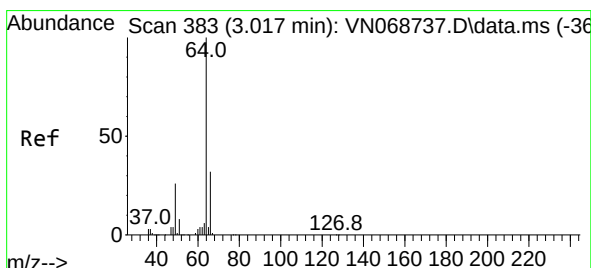
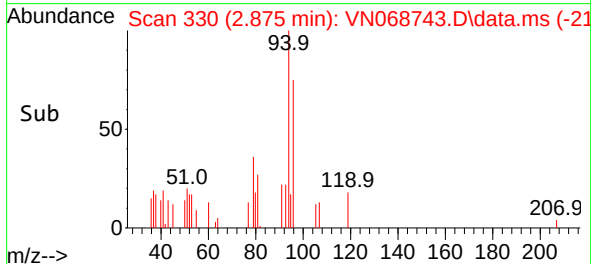
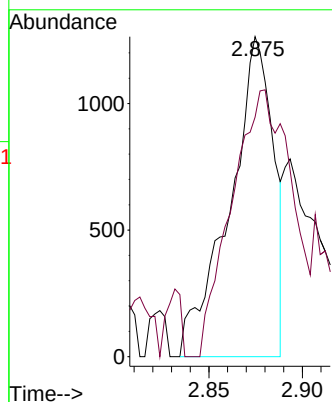
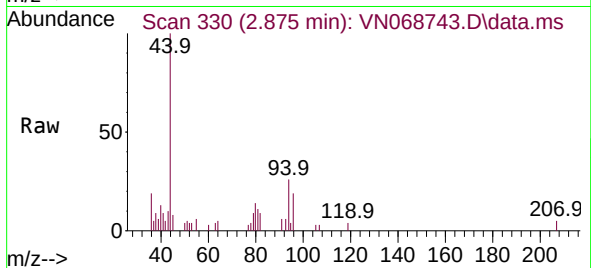




#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 330
Delta R.T. 0.022 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

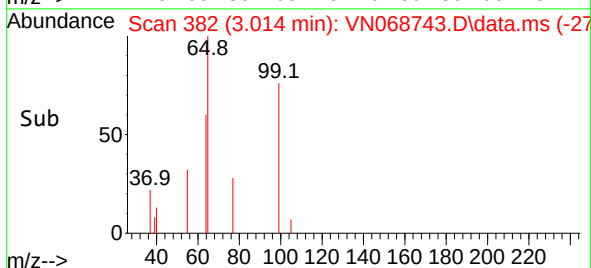
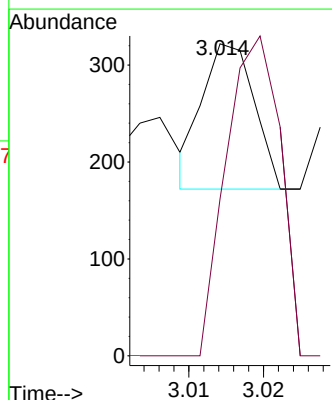
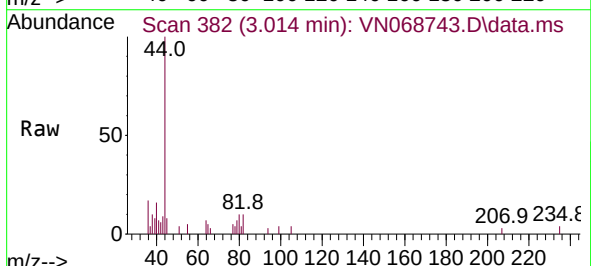
Instrument :
MSVOA_N
ClientSampled :

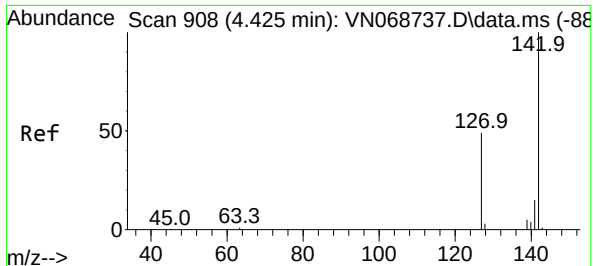
Tgt Ion: 94 Resp: 2058
Ion Ratio Lower Upper
94 100
96 55.5 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. -0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 108.0 24.7 37.1#





#10

Methyl Iodide

Concen: 1.445 ug/l

RT: 4.433 min Scan# 911

Delta R.T. 0.008 min

Lab File: VN068743.D

Acq: 29 Sep 2021 16:50

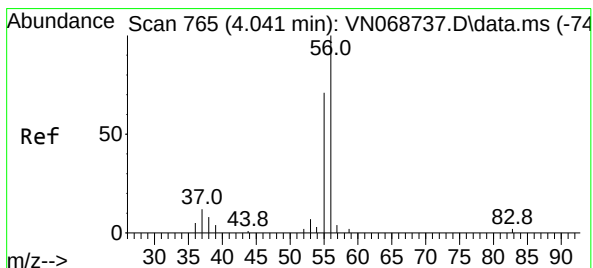
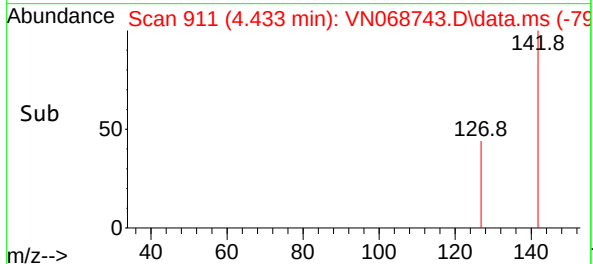
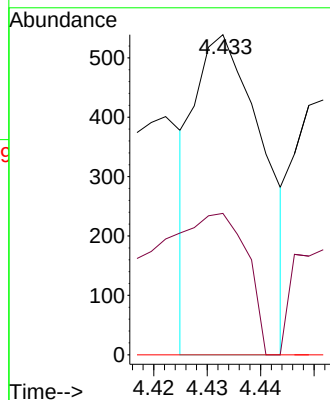
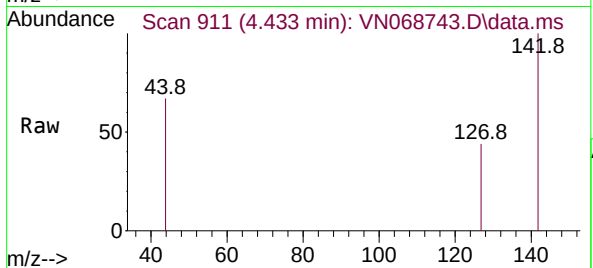
Tgt Ion:142 Resp: 482

Ion Ratio Lower Upper

142 100

127 64.9 43.1 64.7#

141 0.0 11.4 17.0#



#13

Acrolein

Concen: Below Cal

RT: 4.047 min Scan# 767

Delta R.T. 0.006 min

Lab File: VN068743.D

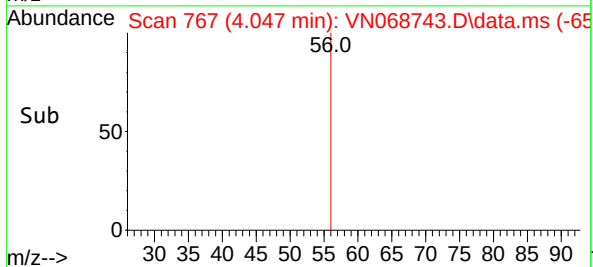
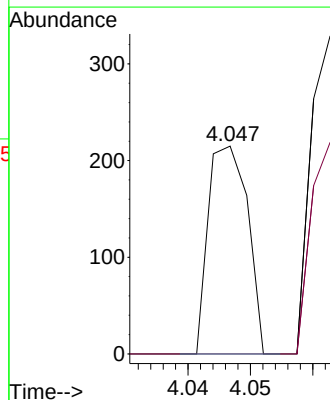
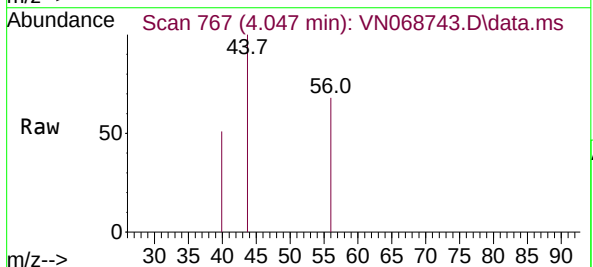
Acq: 29 Sep 2021 16:50

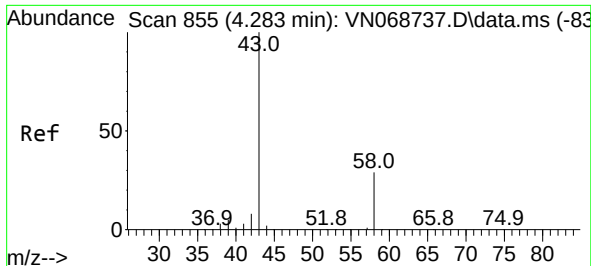
Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#

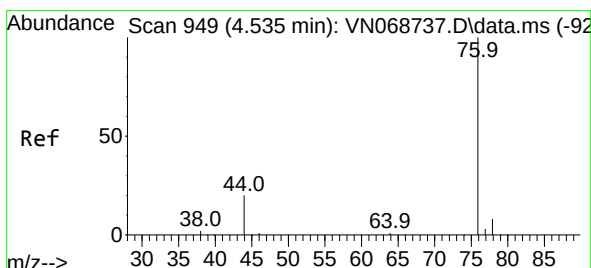
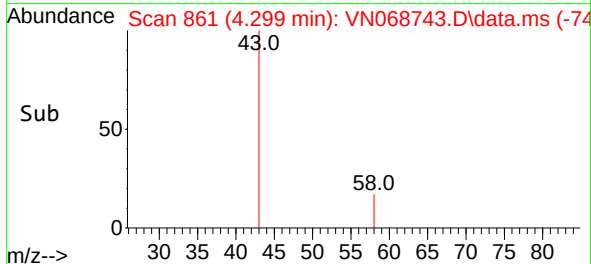
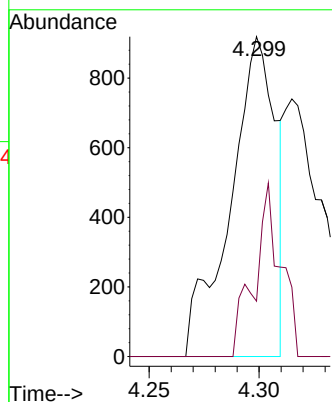
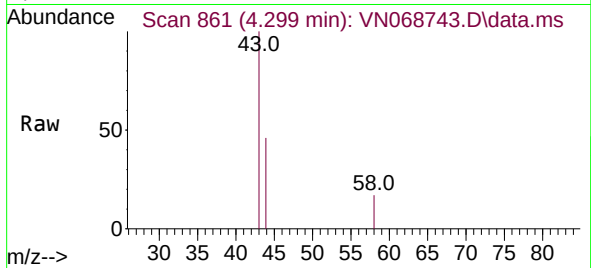




#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.016 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

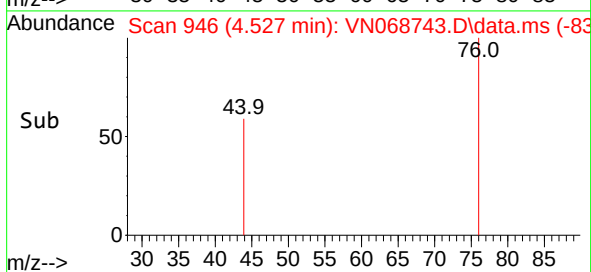
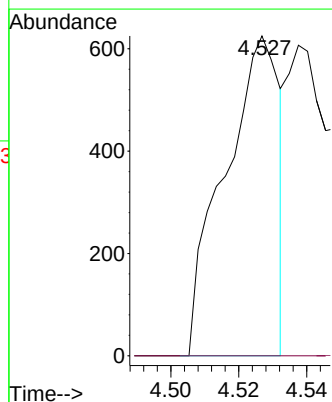
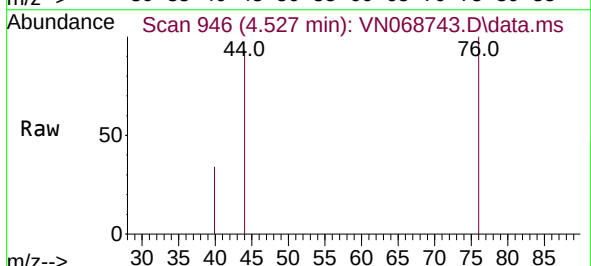
Instrument :
MSVOA_N
ClientSampled :

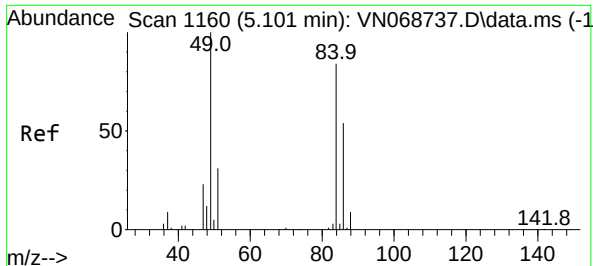
Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 17.3 21.2 31.8#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.527 min Scan# 946
Delta R.T. -0.008 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

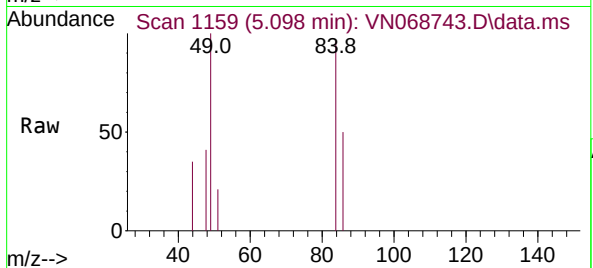
Tgt Ion: 76 Resp: 700
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





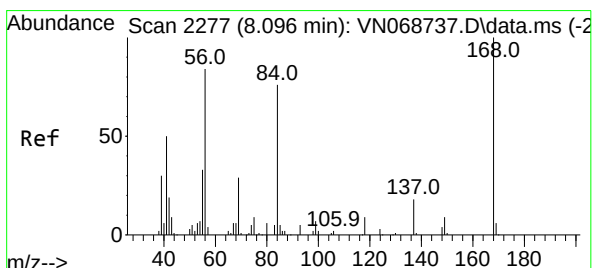
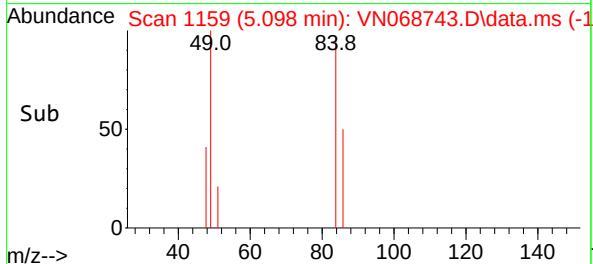
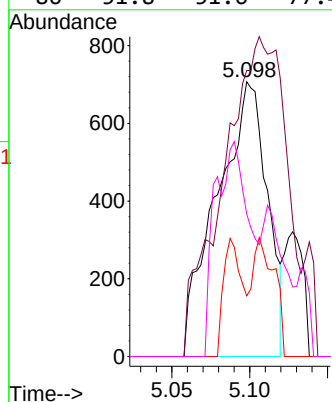
#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1583

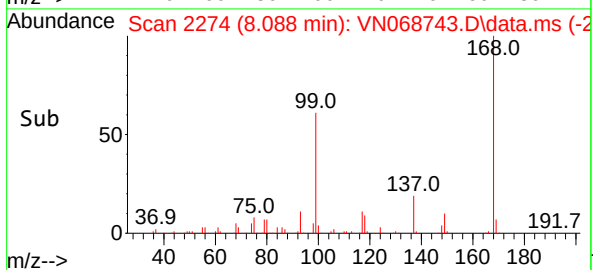
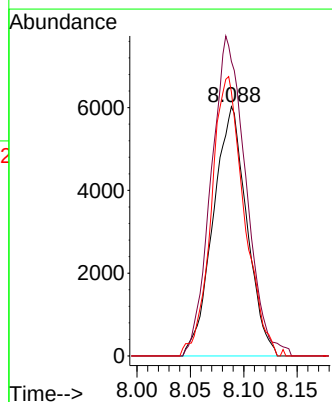
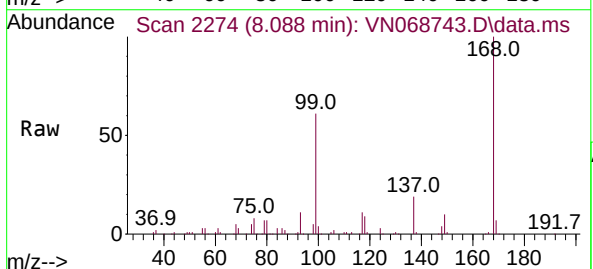
Ion	Ratio	Lower	Upper
84	100		
49	104.1	110.9	166.3#
51	22.1	32.6	49.0#
86	51.8	51.6	77.4

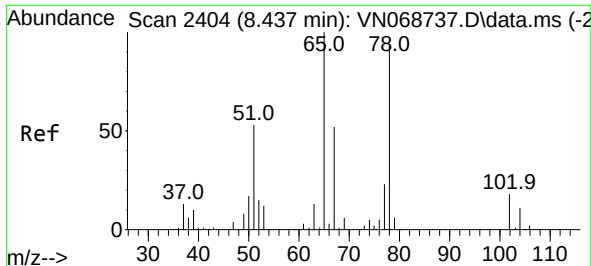


#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 56 Resp: 13148

Ion	Ratio	Lower	Upper
56	100		
69	118.1	27.3	40.9#
84	105.9	64.9	97.3#



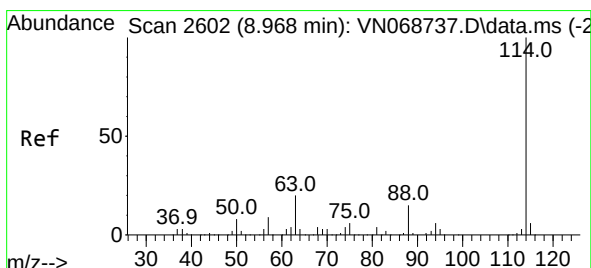
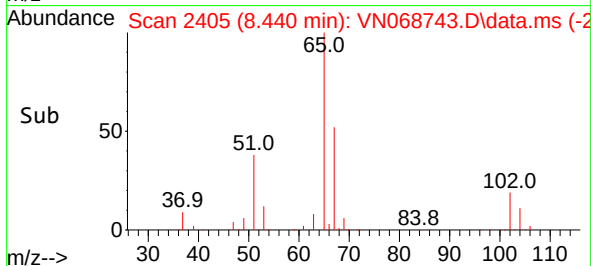
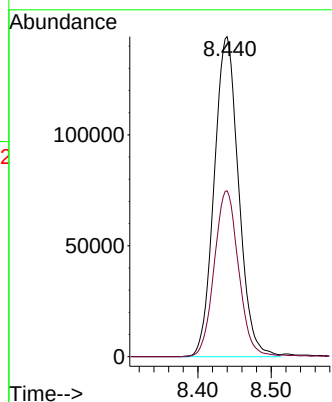
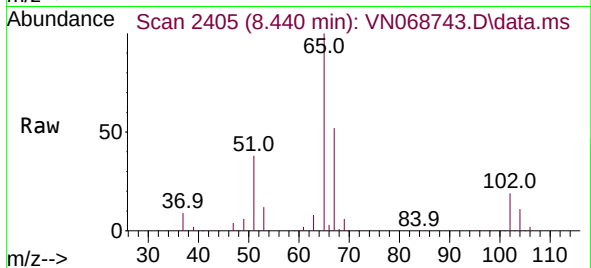


#33

1,2-Dichloroethane-d4
Concen: 48.374 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Instrument :
MSVOA_N
ClientSampled :

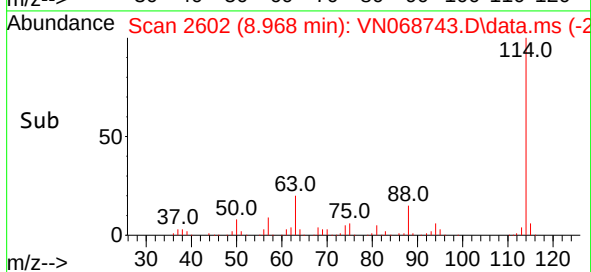
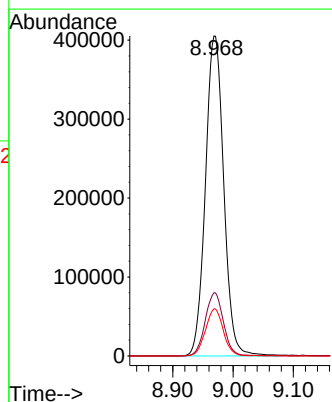
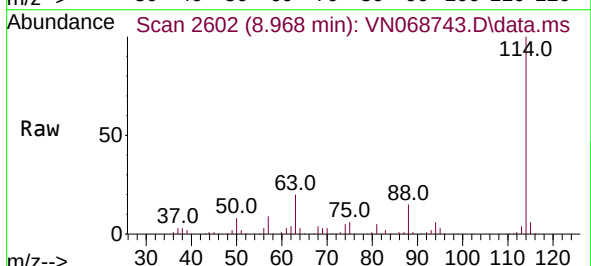
Tgt Ion: 65 Resp: 334799
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6

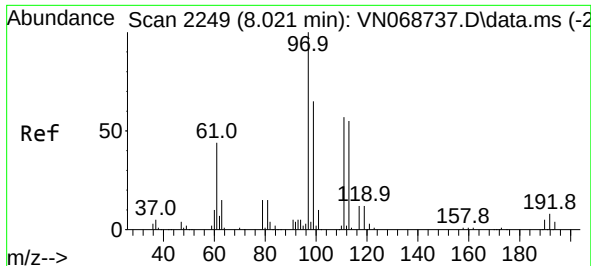


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 114 Resp: 856185
Ion Ratio Lower Upper
114 100
63 19.7 0.0 49.0
88 14.7 0.0 36.6

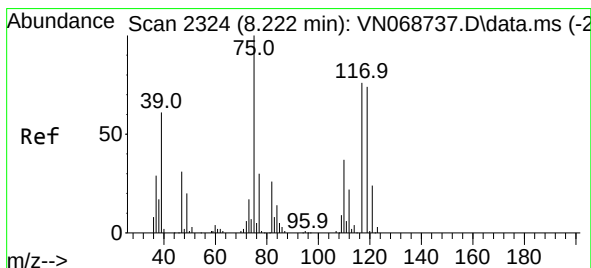
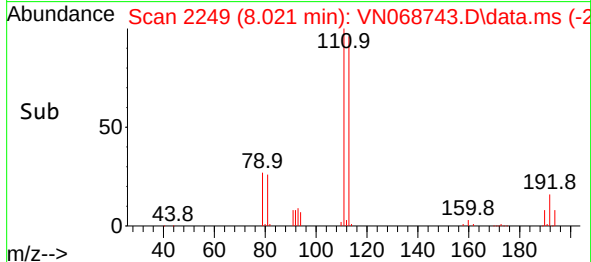
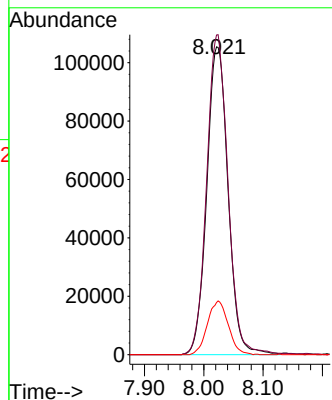
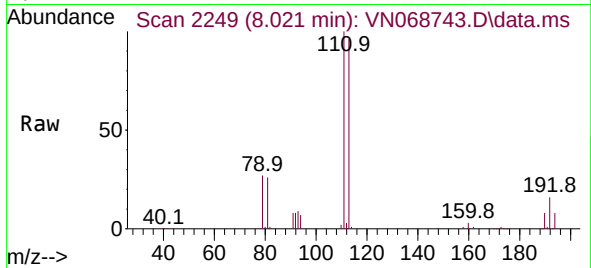




#35
Dibromofluoromethane
Concen: 49.337 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

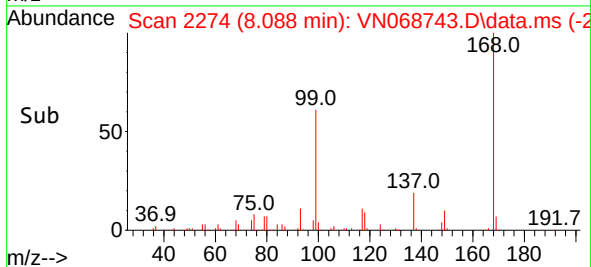
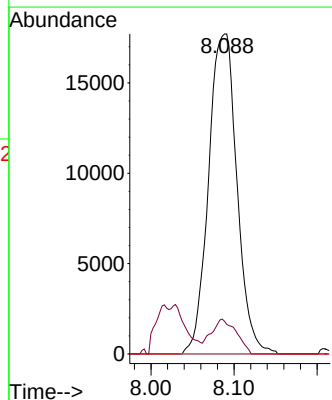
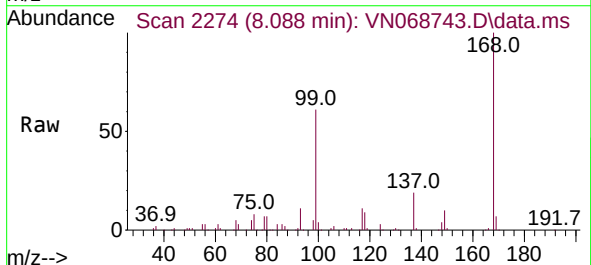
Instrument :
MSVOA_N
ClientSampled :

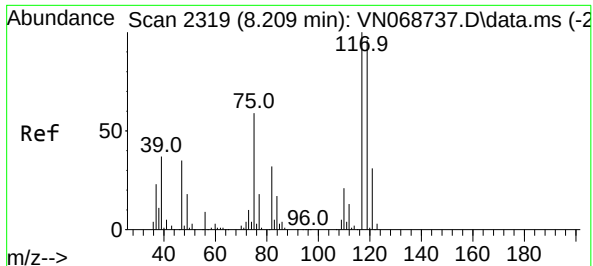
Tgt Ion:113 Resp: 262456
Ion Ratio Lower Upper
113 100
111 104.2 83.8 125.8
192 17.1 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.228 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 75 Resp: 42097
Ion Ratio Lower Upper
75 100
110 9.7 15.7 47.0#
77 0.0 24.6 37.0#

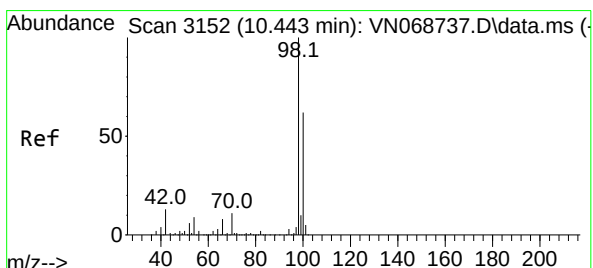
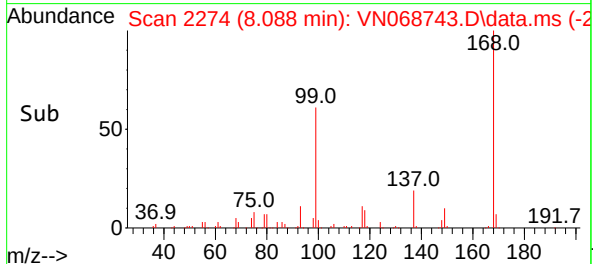
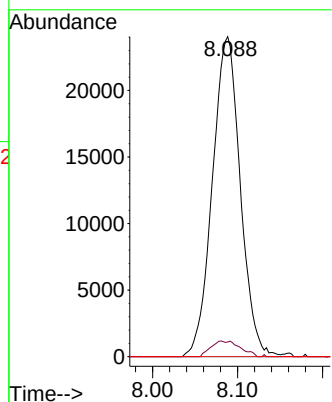
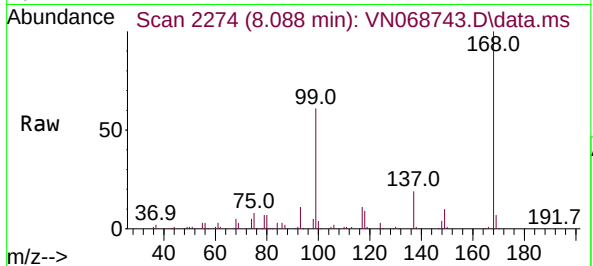




#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

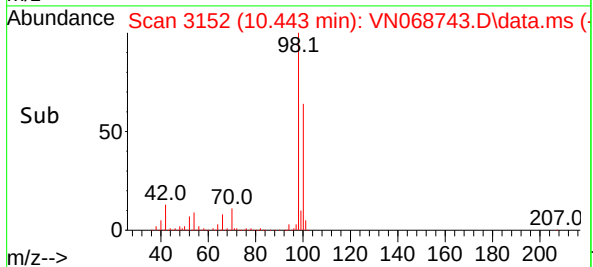
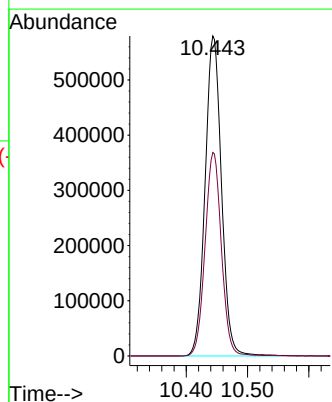
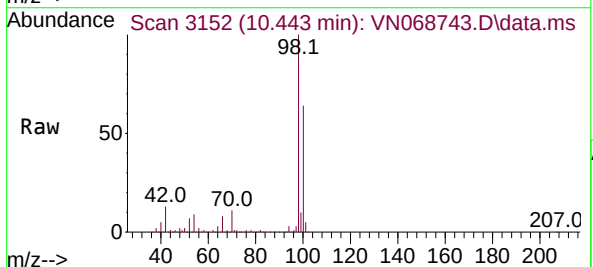
Instrument :
MSVOA_N
ClientSampled :

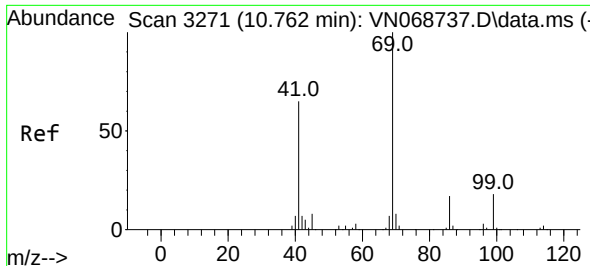
Tgt Ion:117 Resp: 54822
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 55.354 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 98 Resp: 1076028
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

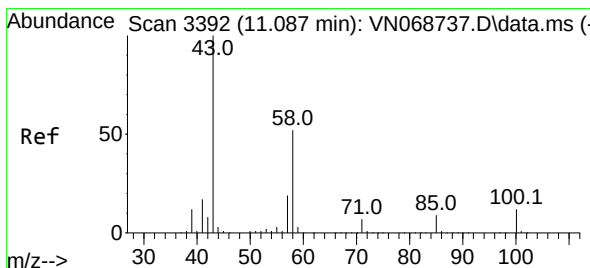
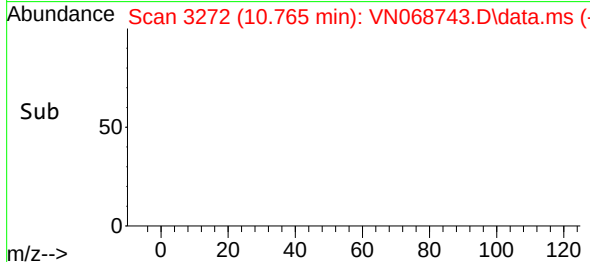
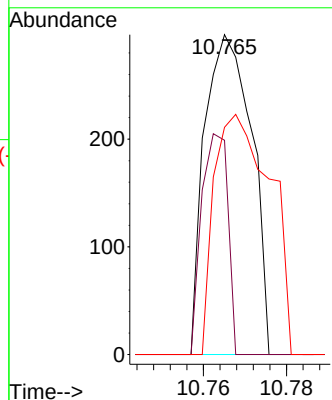
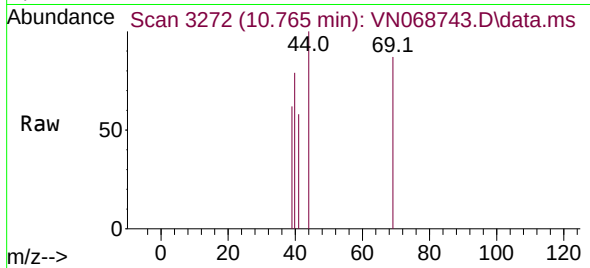




#56
Ethyl methacrylate
Concen: 1.845 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

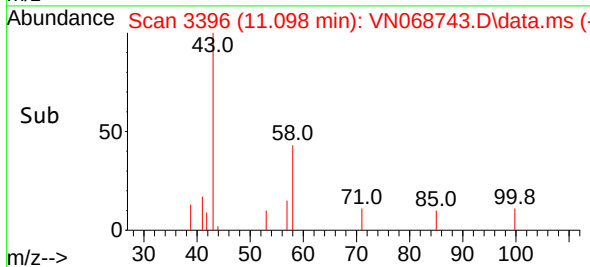
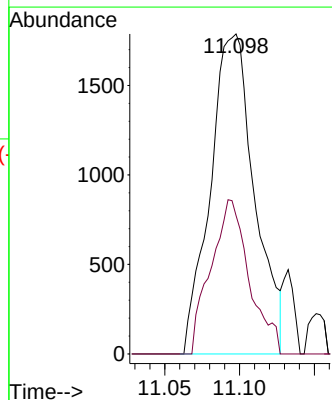
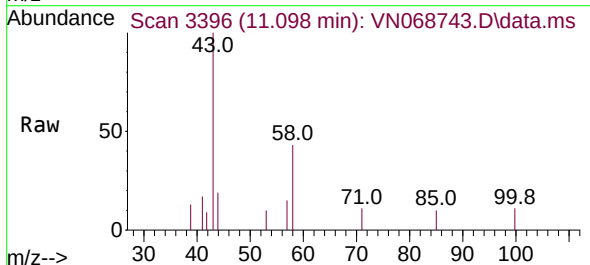
Instrument :
MSVOA_N
ClientSampled :

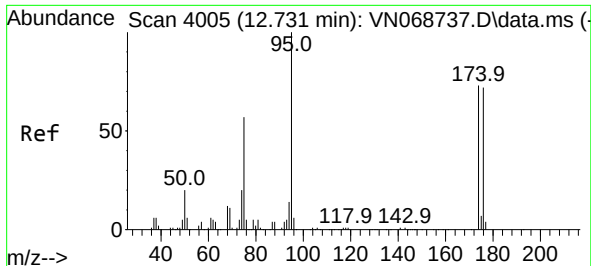
Tgt Ion: 69 Resp: 232
Ion Ratio Lower Upper
69 100
41 38.8 58.6 88.0#
39 90.1 38.3 57.5#



#59
2-Hexanone
Concen: 0.629 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 43 Resp: 3686
Ion Ratio Lower Upper
43 100
58 41.7 24.7 74.1

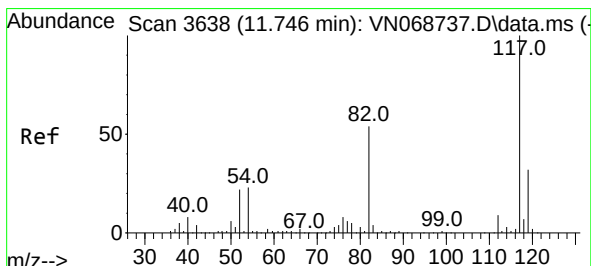
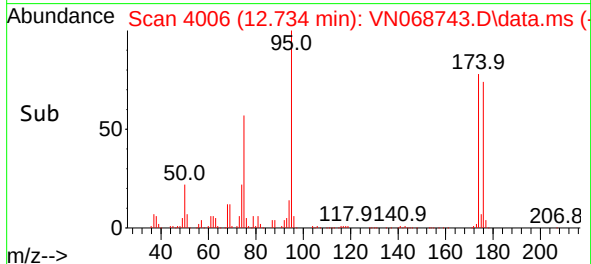
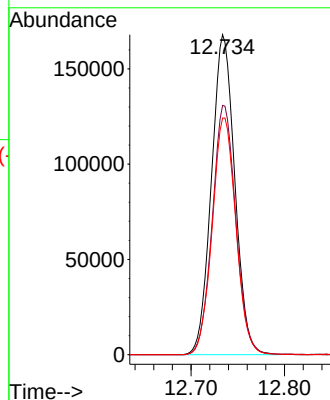
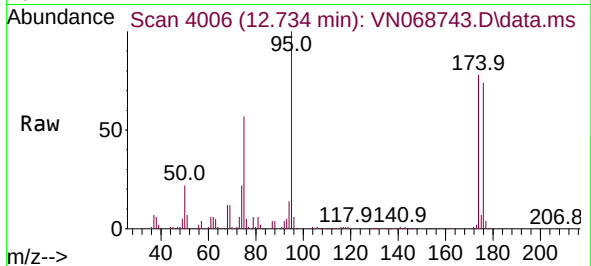




#62
4-Bromofluorobenzene
Concen: 43.150 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

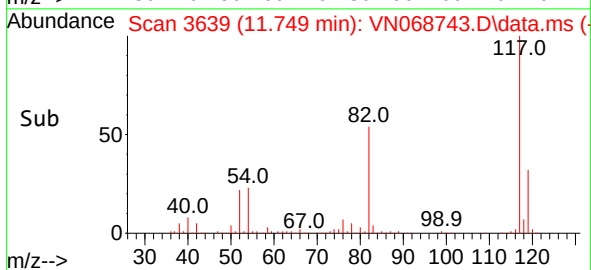
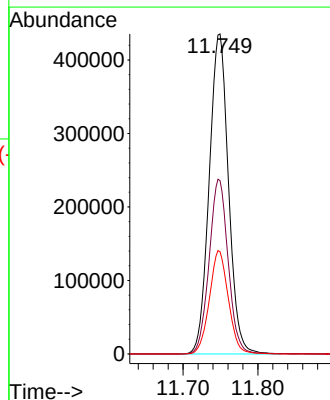
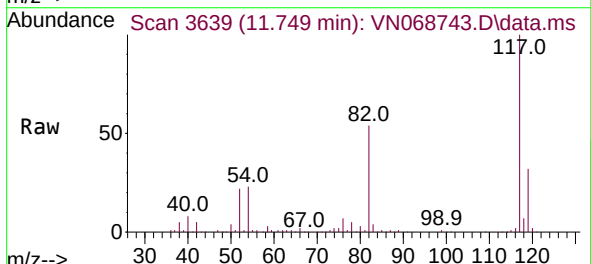
Instrument :
MSVOA_N
ClientSampled :

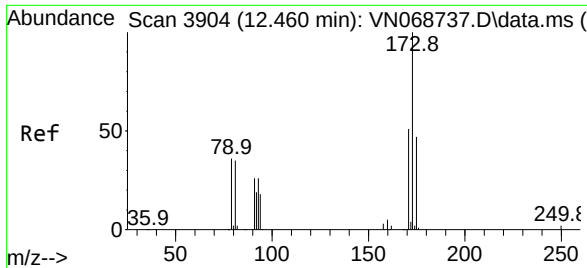
Tgt Ion: 95 Resp: 291465
Ion Ratio Lower Upper
95 100
174 78.7 0.0 122.0
176 75.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion: 117 Resp: 779470
Ion Ratio Lower Upper
117 100
82 54.2 53.1 79.7
119 32.0 25.5 38.3

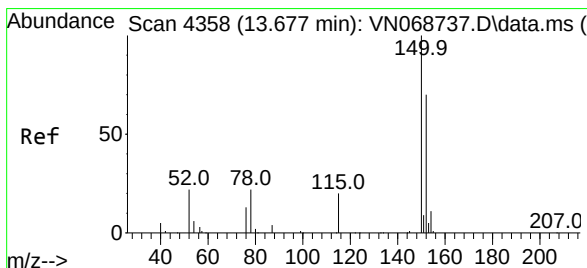
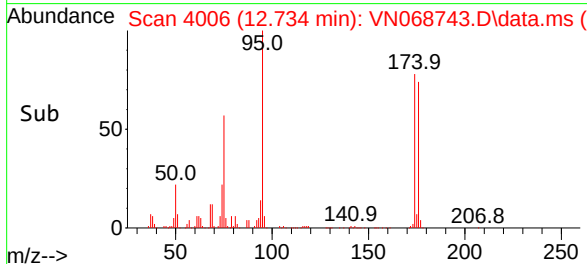
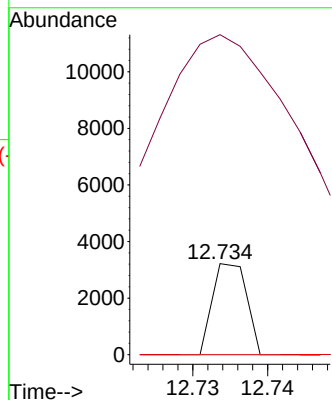
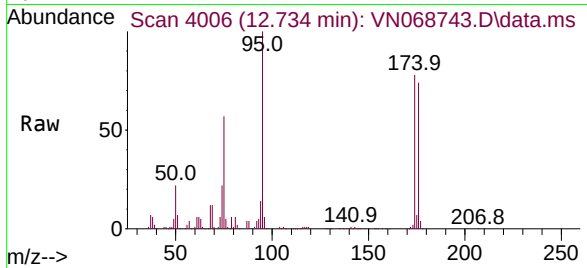




#71
Bromoform
Concen: 0.210 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

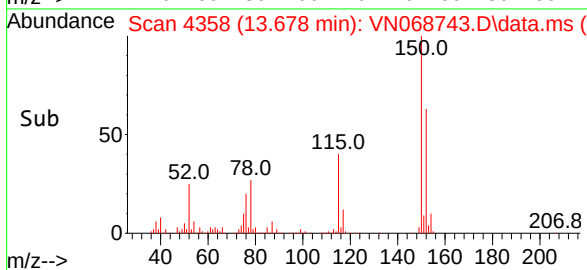
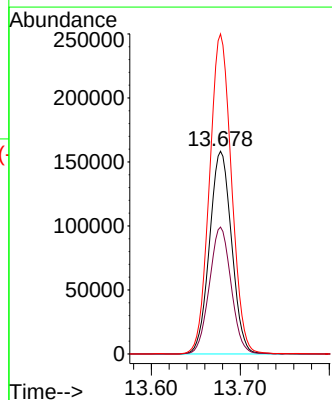
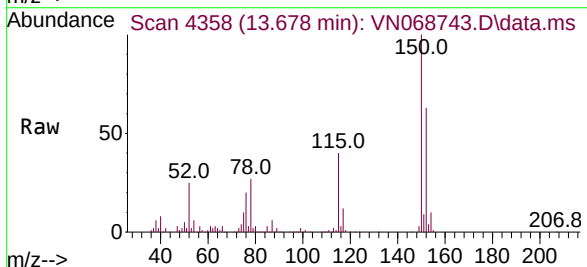
Instrument :
MSVOA_N
ClientSampled :

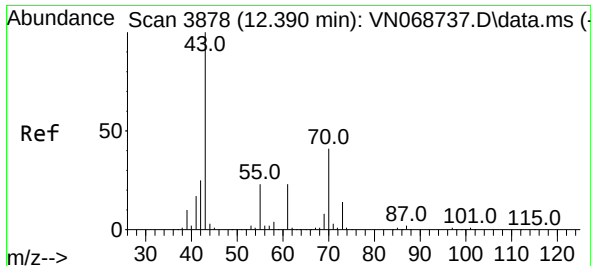
Tgt Ion:173 Resp: 1018
Ion Ratio Lower Upper
173 100
175 1739.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion:152 Resp: 272761
Ion Ratio Lower Upper
152 100
115 61.5 36.1 108.5
150 157.1 0.0 351.8

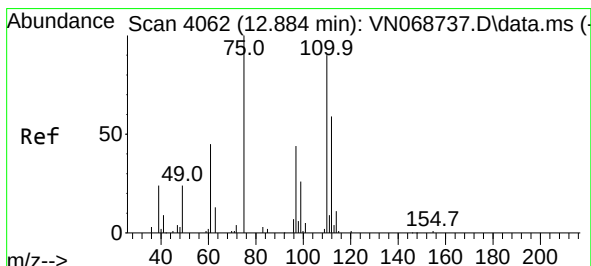
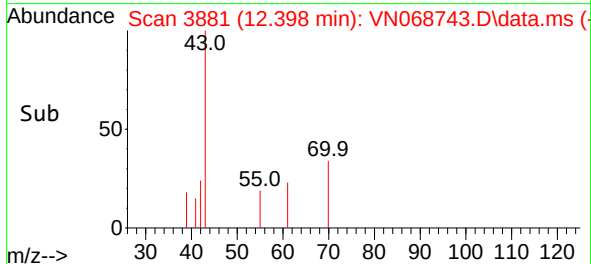
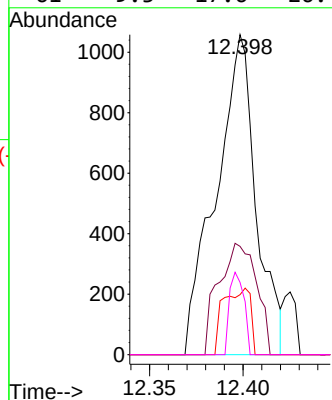
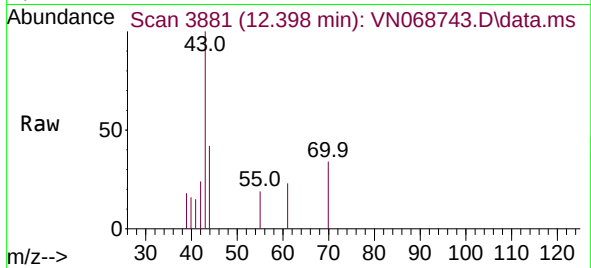




#74
N-amy1 acetate
Concen: 0.200 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

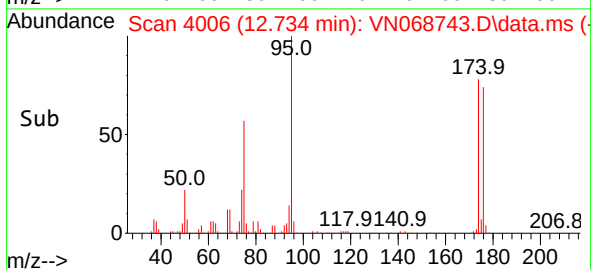
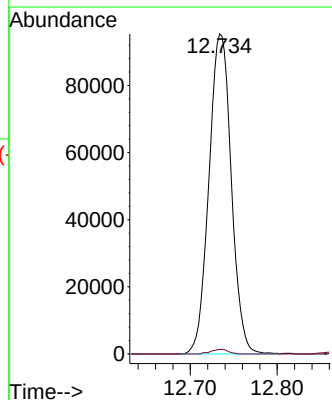
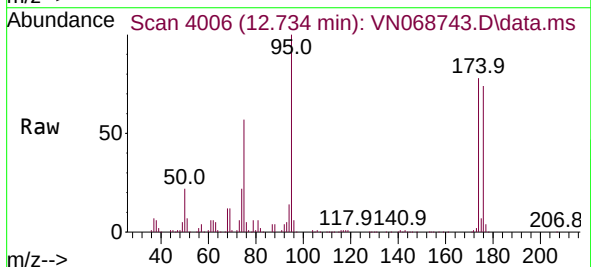
Instrument :
MSVOA_N
ClientSampled :

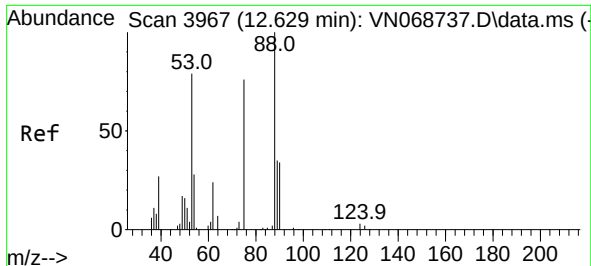
Tgt Ion:	43	Resp:	1572
Ion	Ratio	Lower	Upper
43	100		
70	33.0	29.4	44.2
55	14.0	17.0	25.4#
61	9.3	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 28.076 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion:	75	Resp:	170306
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

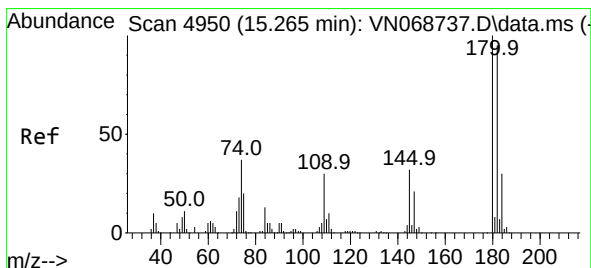
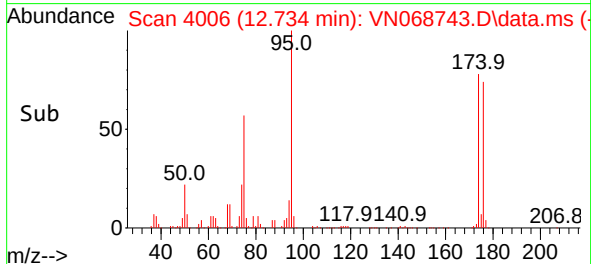
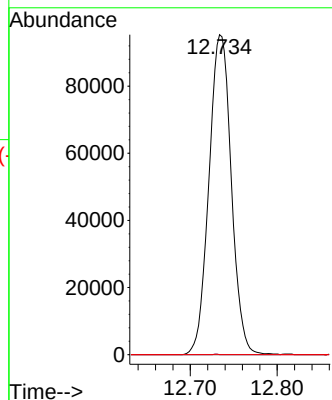
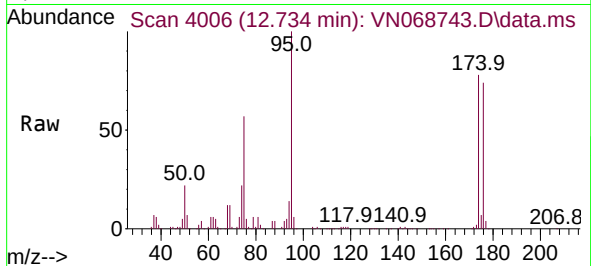




#81
trans-1,4-Dichloro-2-butene
Concen: 81.617 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

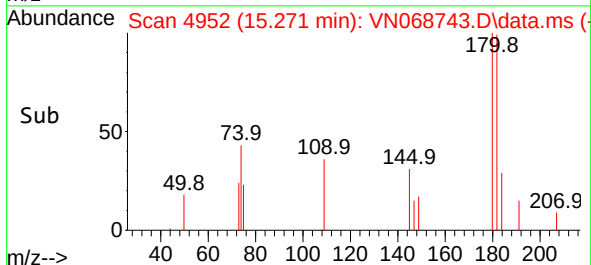
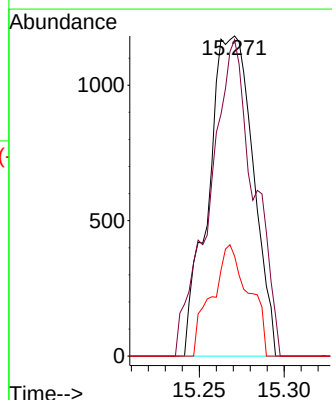
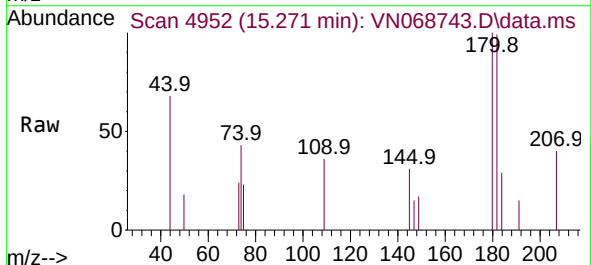
Instrument :
MSVOA_N
ClientSampled :

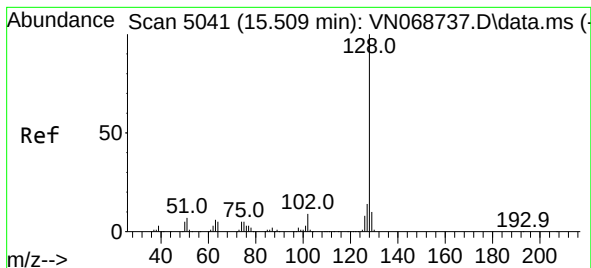
Tgt Ion: 75 Resp: 170306
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.481 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion:180 Resp: 2165
Ion Ratio Lower Upper
180 100
182 97.9 47.5 142.5
145 28.9 17.2 51.6

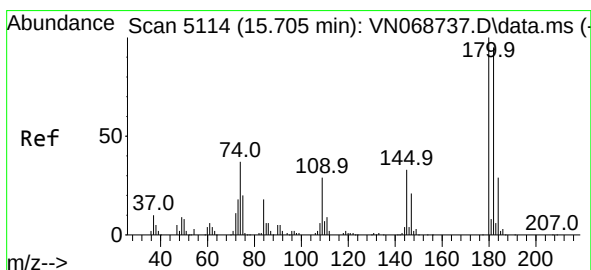
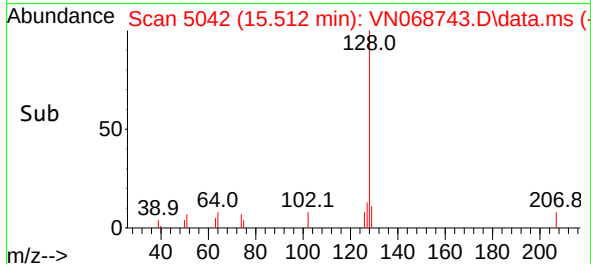
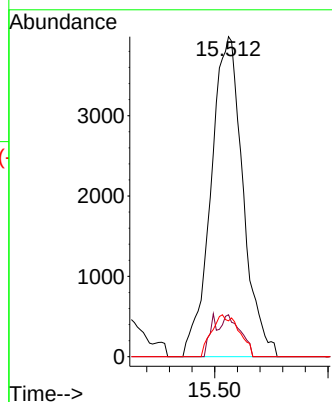
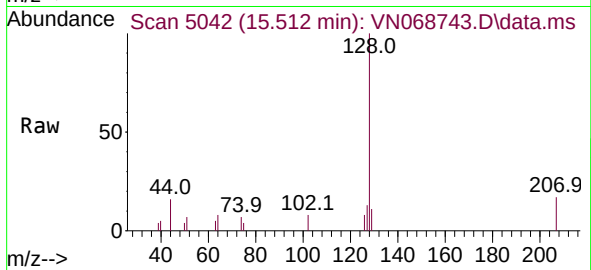




#95
Naphthalene
Concen: 2.037 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 7807
Ion Ratio Lower Upper
128 100
127 7.4 10.6 15.8#
129 11.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.479 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.003 min
Lab File: VN068743.D
Acq: 29 Sep 2021 16:50

Tgt Ion:180 Resp: 2066
Ion Ratio Lower Upper
180 100
182 94.8 47.8 143.3
145 18.5 18.2 54.6

