

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068261.D
 Acq On : 23 Aug 2021 11:27
 Operator : JC/MD
 Sample : VN0823WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:52:44 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)

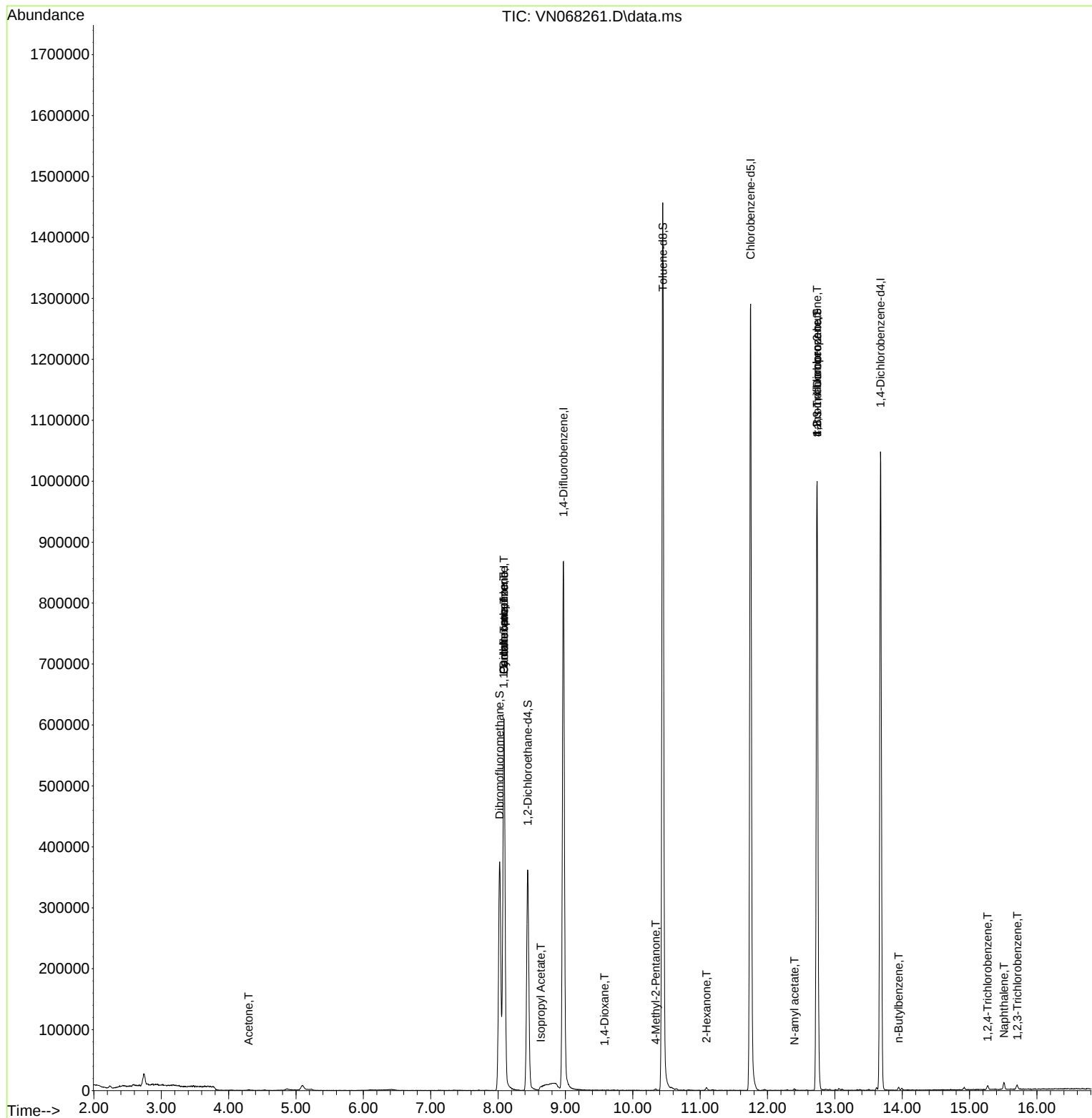
Internal Standards						
1) Pentafluorobenzene	8.088	168	518963	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	849486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	841732	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	314613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	300730	54.273	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.540%		
35) Dibromofluoromethane	8.021	113	278110	52.146	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 104.300%		
50) Toluene-d8	10.446	98	1094167	53.842	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 107.680%		
62) 4-Bromofluorobenzene	12.736	95	342631	50.648	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.300%		
Target Compounds						
						Qvalue
5) Bromomethane	2.813	94	136	Below Cal	#	4
6) Chloroethane	3.059	64	29	Below Cal	#	44
13) Acrolein	4.041	56	143	Below Cal	#	71
16) Acetone	4.296	43	1017	0.629	ug/l #	68
18) Methyl Acetate	4.859	43	1251	Below Cal	#	81
20) Methylene Chloride	5.087	84	3077	Below Cal	#	72
31) Cyclohexane	8.088	56	9443	1.294	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	33888	4.880	ug/l #	52
38) Carbon Tetrachloride	8.088	117	49569	6.189	ug/l #	17
43) Isopropyl Acetate	8.633	43	2835	0.299	ug/l #	58
49) 1,4-Dioxane	9.579	88	57	0.597	ug/l #	20
51) 4-Methyl-2-Pentanone	10.341	43	1886	0.324	ug/l #	77
59) 2-Hexanone	11.095	43	3724	0.921	ug/l	99
74) N-amyl acetate	12.401	43	1949	0.335	ug/l #	82
76) 1,2,3-Trichloropropane	12.736	75	178067	34.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	178067	111.562	ug/l #	6
89) n-Butylbenzene	13.946	91	3401	0.261	ug/l #	42
93) 1,2,4-Trichlorobenzene	15.268	180	2655	3.164	ug/l	91
95) Naphthalene	15.512	128	10626	4.147	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	3500	3.494	ug/l	97

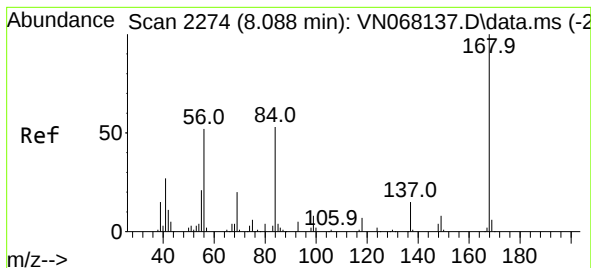
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068261.D

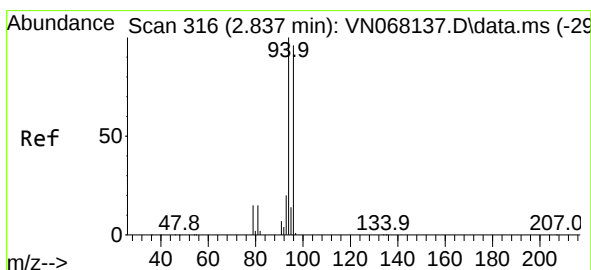
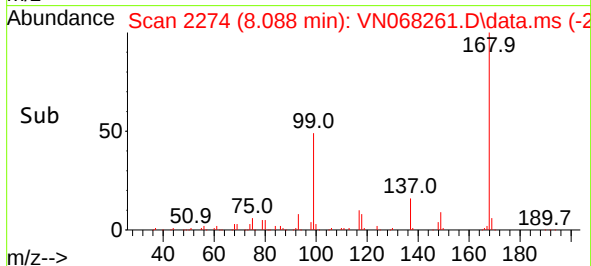
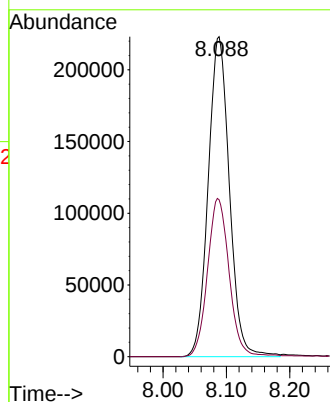
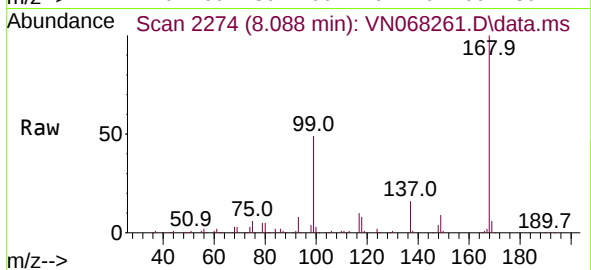
Acq: 23 Aug 2021 11:27

Tgt Ion:168 Resp: 518963

Ion Ratio Lower Upper

168 100

99 49.0 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.813 min Scan# 307

Delta R.T. -0.024 min

Lab File: VN068261.D

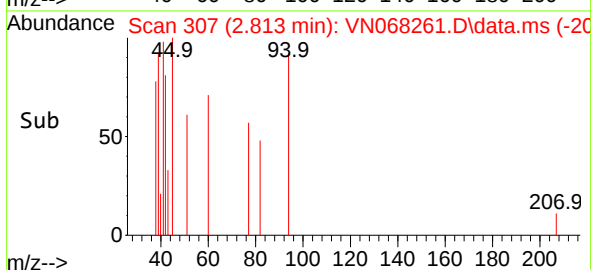
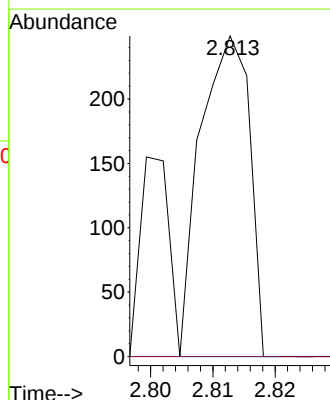
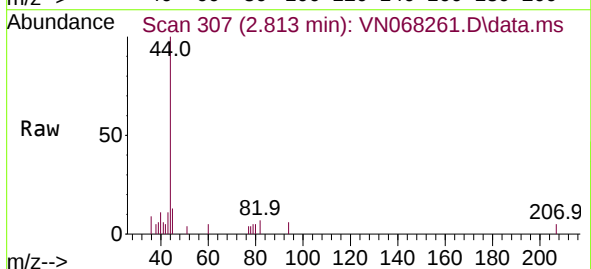
Acq: 23 Aug 2021 11:27

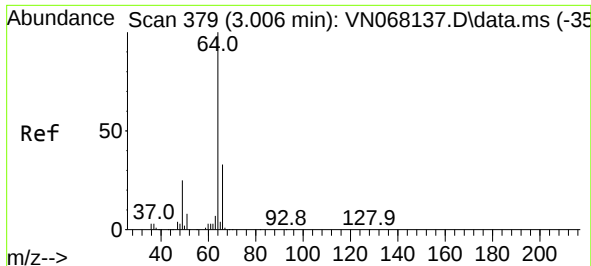
Tgt Ion: 94 Resp: 136

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

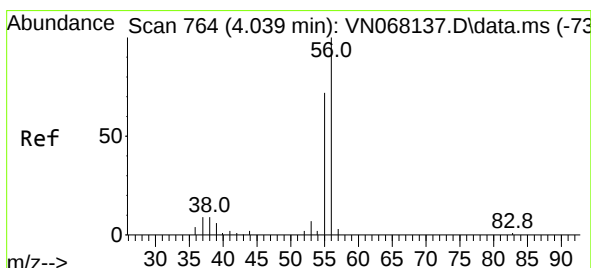
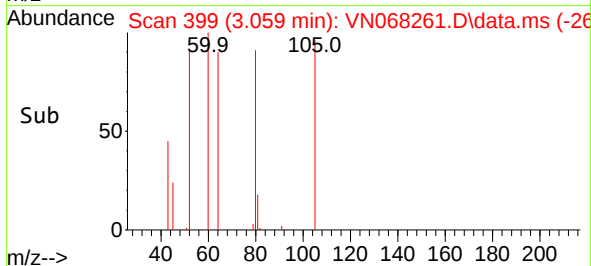
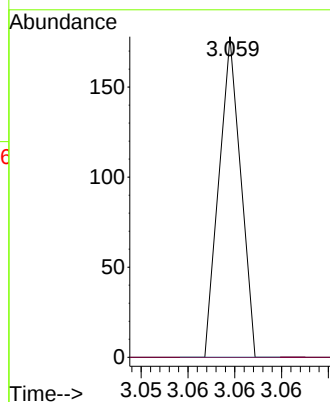
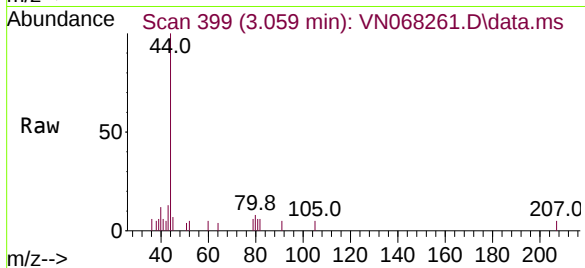




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 399
Delta R.T. 0.053 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

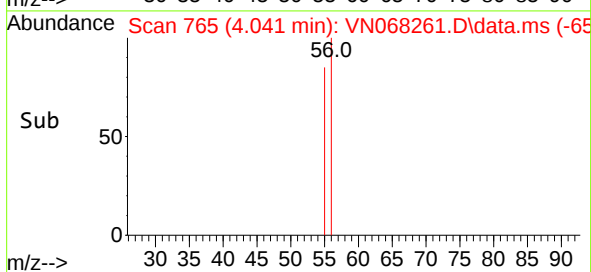
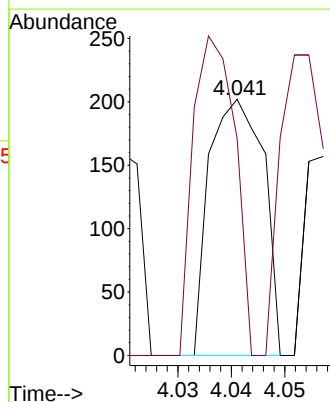
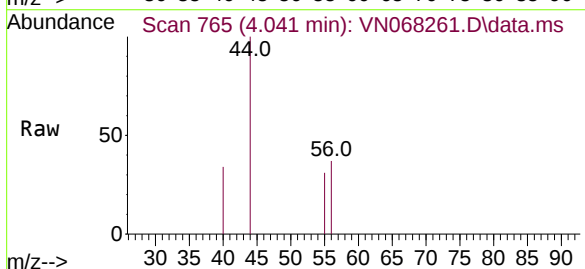
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 64 Resp: 29
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 95.8 57.4 86.0#

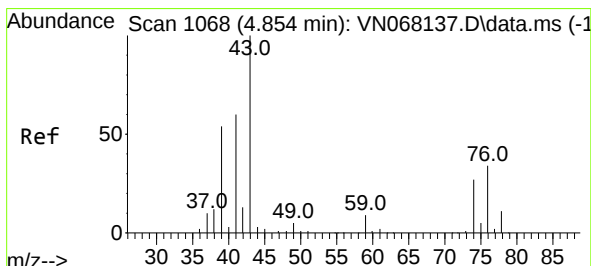
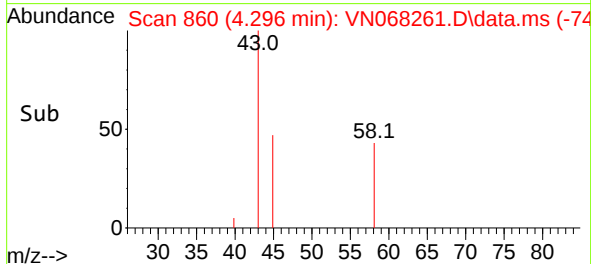
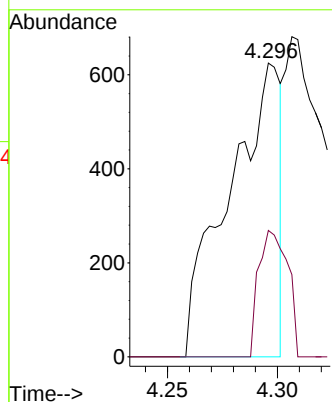
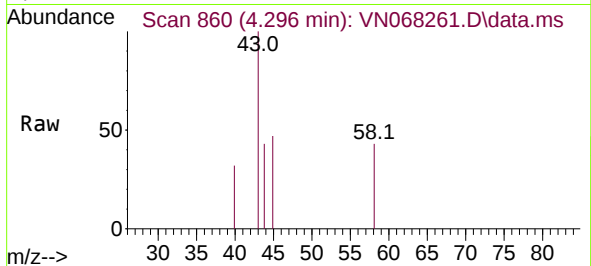




#16
Acetone
Concen: 0.629 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

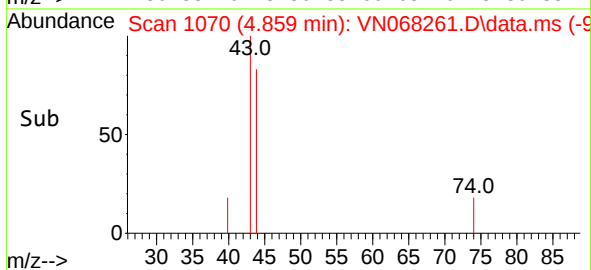
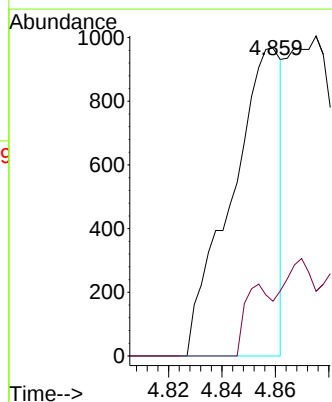
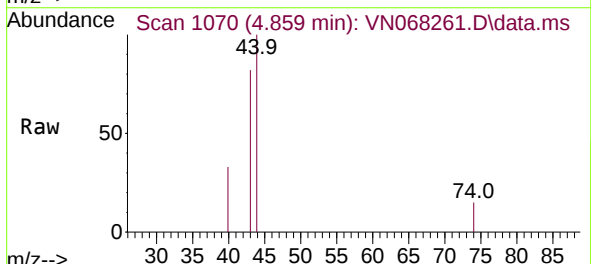
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
58 43.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
74 12.5 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

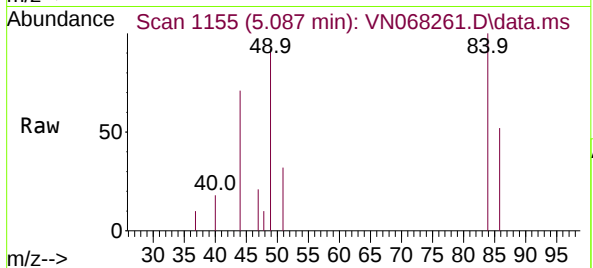
RT: 5.087 min Scan# 1155

Delta R.T. -0.006 min

Lab File: VN068261.D

Acq: 23 Aug 2021 11:27

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 3077

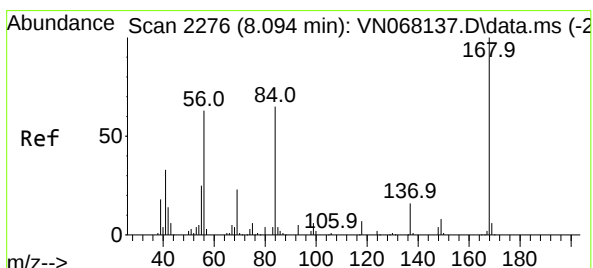
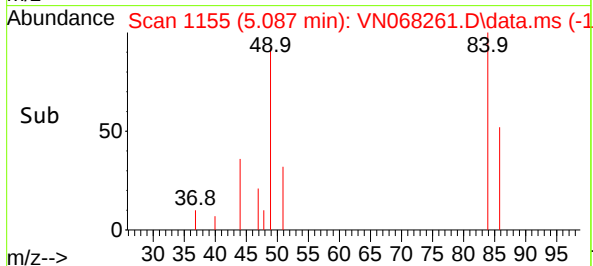
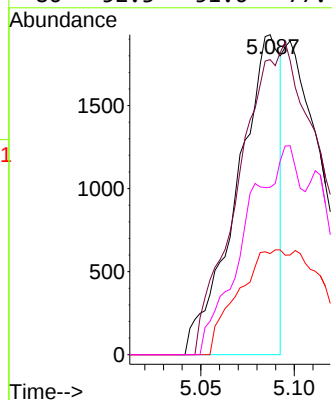
Ion Ratio Lower Upper

84 100

49 92.2 110.9 166.3#

51 31.6 32.6 49.0#

86 52.3 51.6 77.4



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068261.D

Acq: 23 Aug 2021 11:27

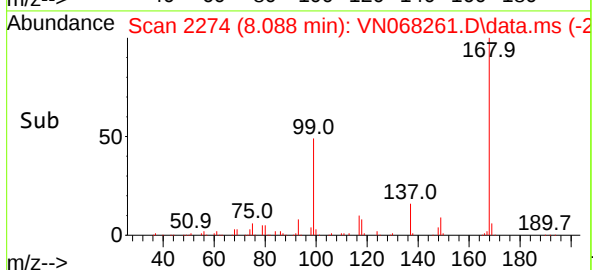
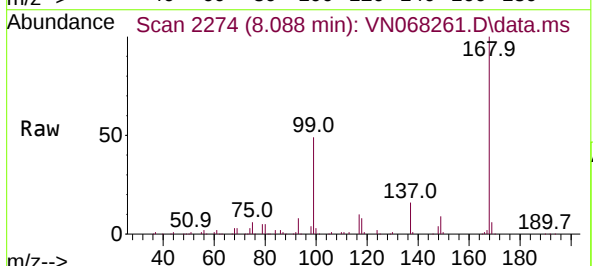
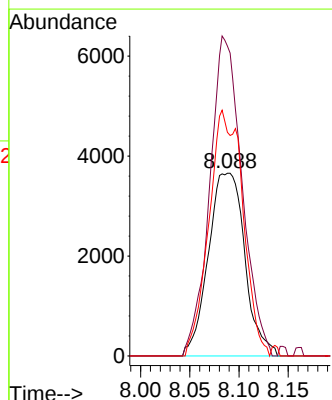
Tgt Ion: 56 Resp: 9443

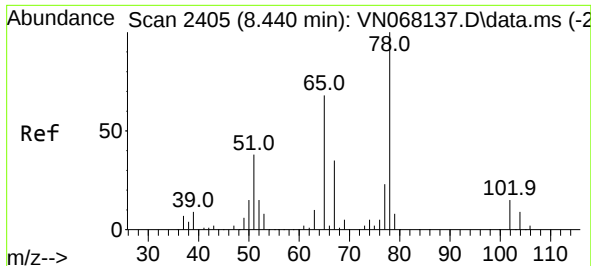
Ion Ratio Lower Upper

56 100

69 169.6 27.3 40.9#

84 122.4 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 54.273 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN068261.D

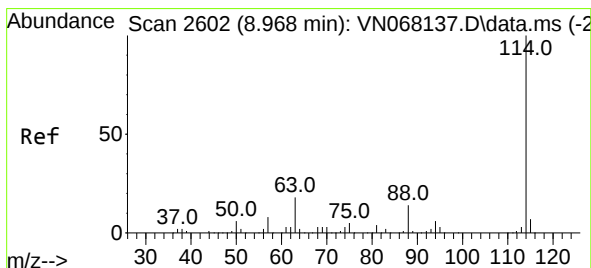
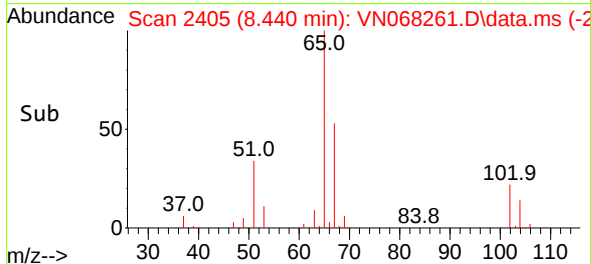
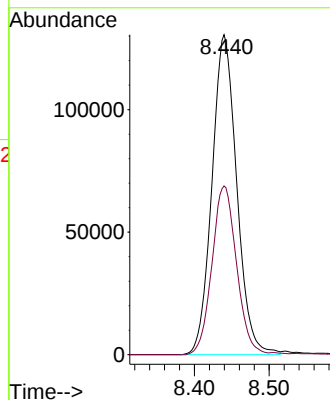
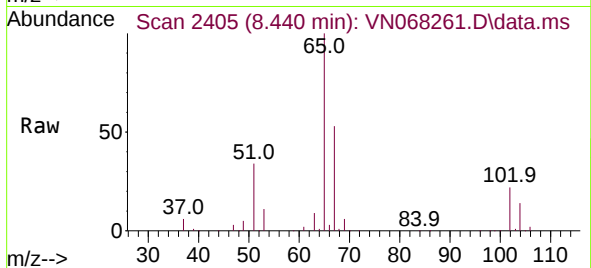
Acq: 23 Aug 2021 11:27

Tgt Ion: 65 Resp: 300730

Ion Ratio Lower Upper

65 100

67 52.2 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN068261.D

Acq: 23 Aug 2021 11:27

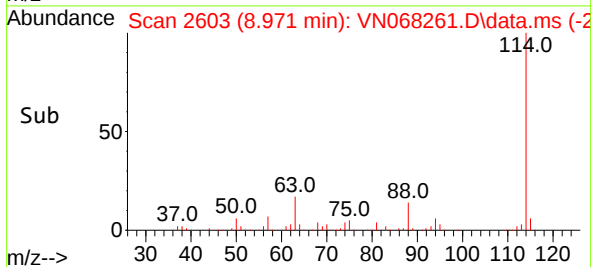
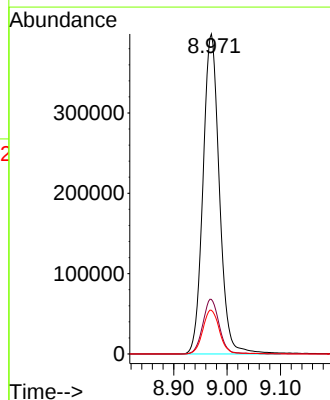
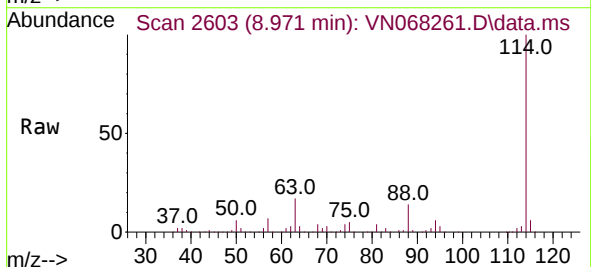
Tgt Ion: 114 Resp: 849486

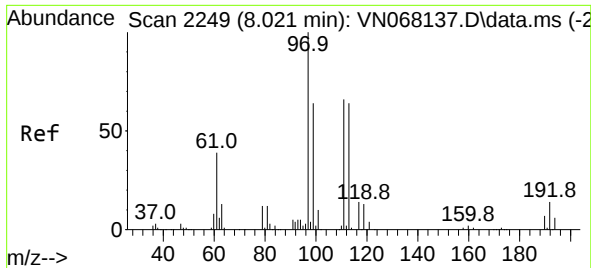
Ion Ratio Lower Upper

114 100

63 17.0 0.0 49.0

88 13.7 0.0 36.6

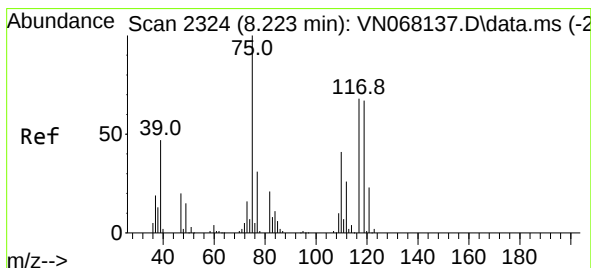
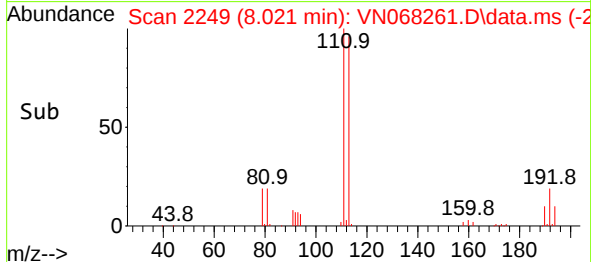
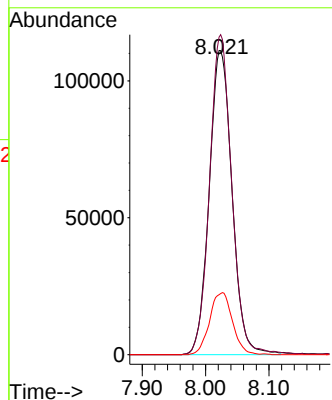
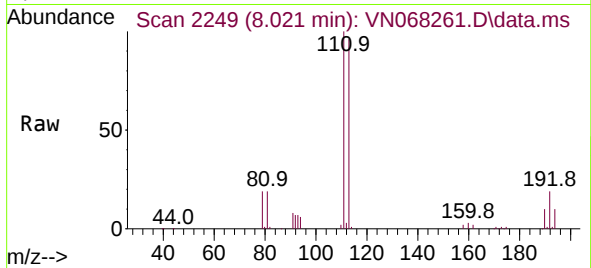




#35
Dibromofluoromethane
Concen: 52.146 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

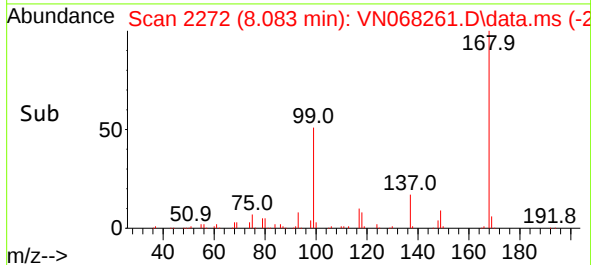
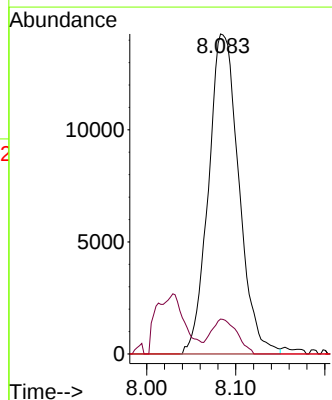
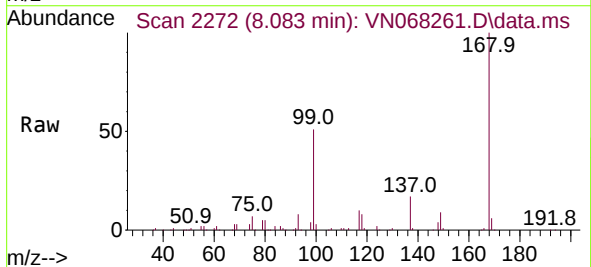
Instrument :
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ClientSampled :

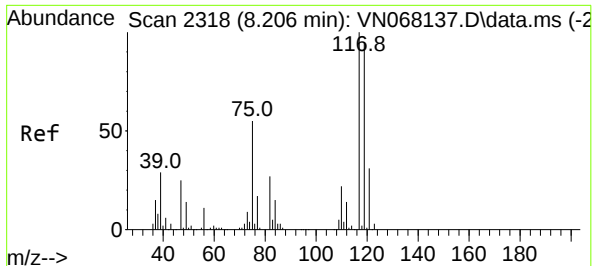
Tgt Ion:113 Resp: 278110
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.880 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.140 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

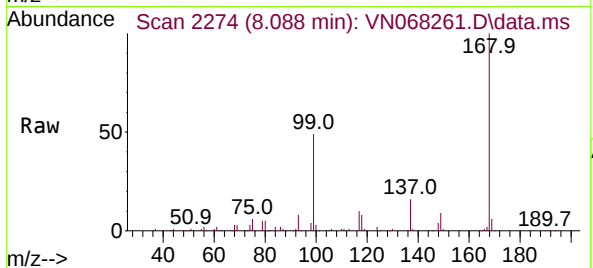
Tgt Ion: 75 Resp: 33888
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#



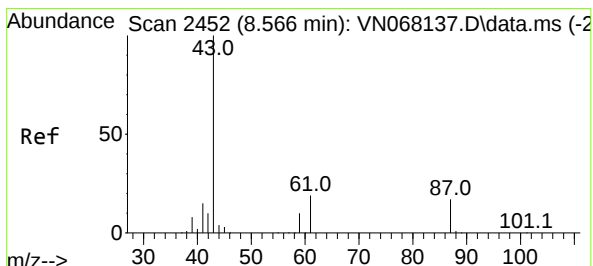
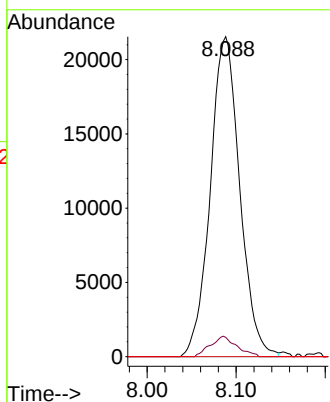
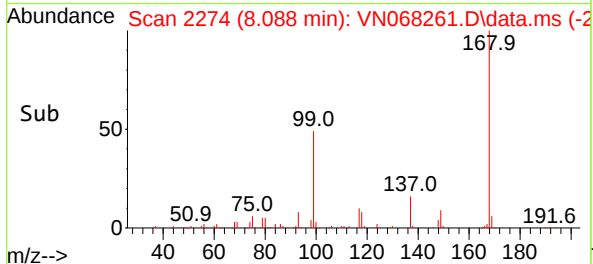


#38
Carbon Tetrachloride
Concen: 6.189 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

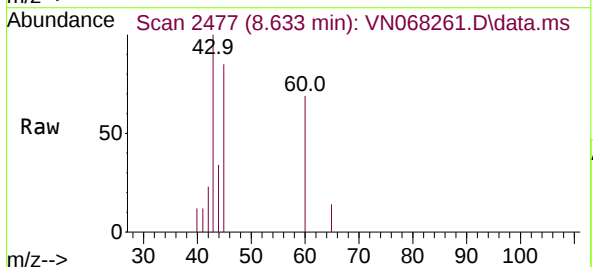
Instrument :
MSVOA_N
ClientSampled :



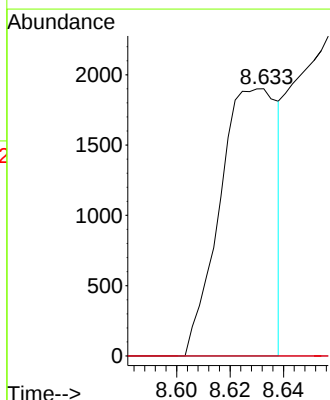
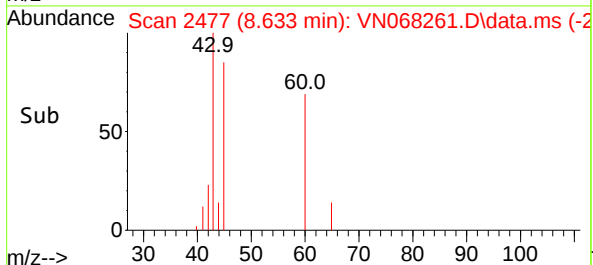
Tgt Ion:117 Resp: 49569
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 23.5 35.3#

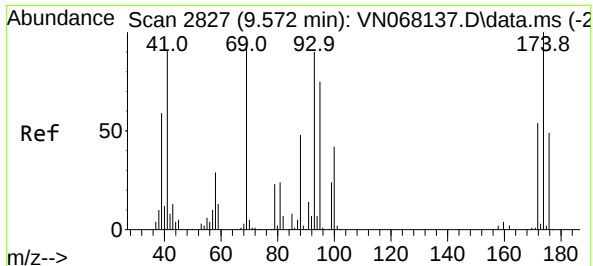


#43
Isopropyl Acetate
Concen: 0.299 ug/l
RT: 8.633 min Scan# 2477
Delta R.T. 0.067 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27



Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

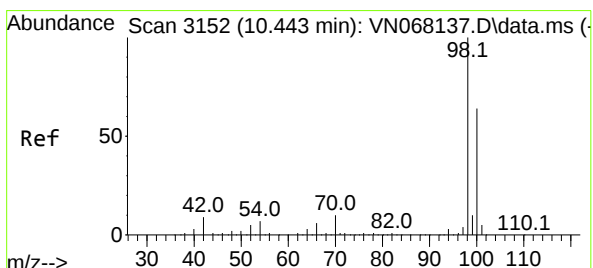
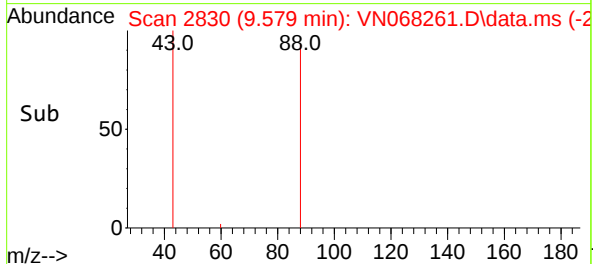
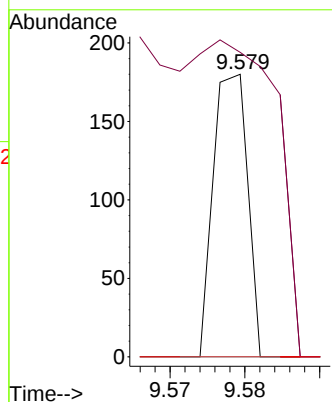
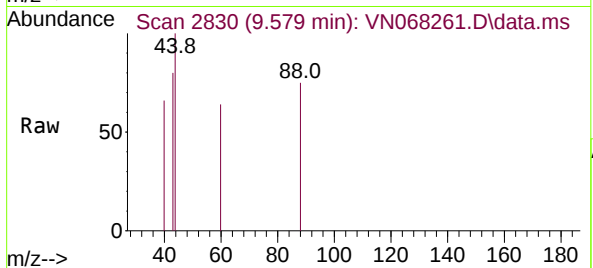




#49
1,4-Dioxane
Concen: 0.597 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.007 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

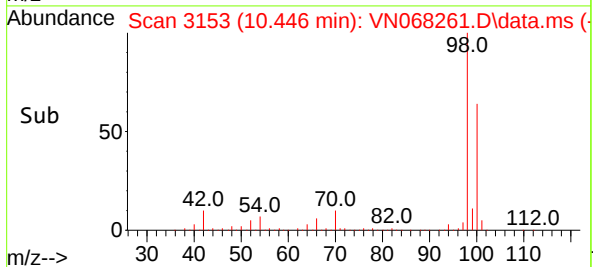
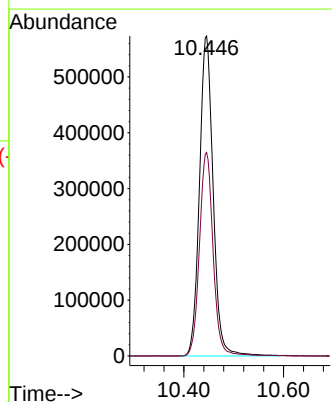
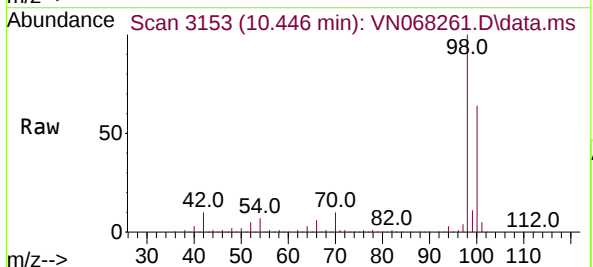
Instrument :
MSVOA_N
ClientSampled :

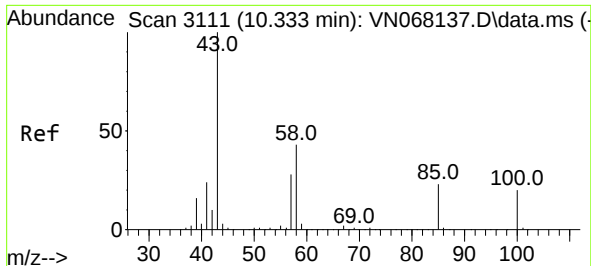
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 53.842 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 98 Resp: 1094167
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5

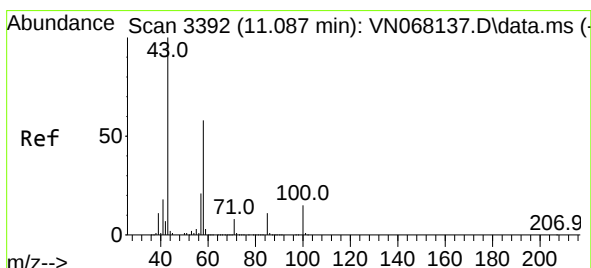
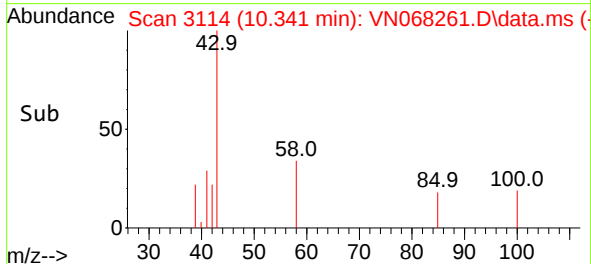
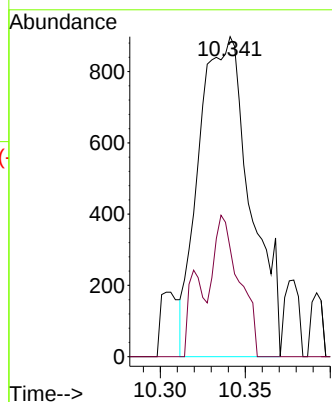
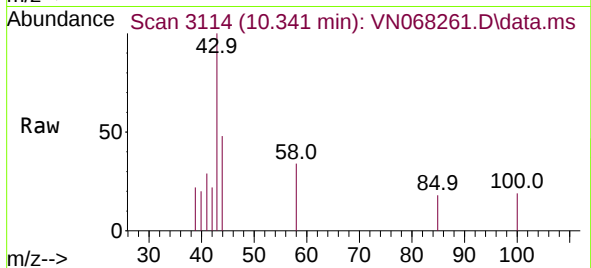




#51
4-Methyl-2-Pentanone
Concen: 0.324 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

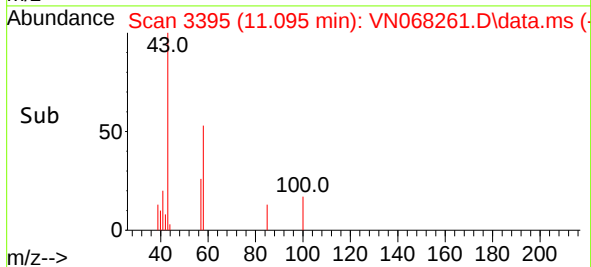
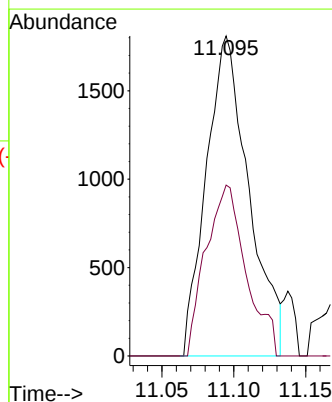
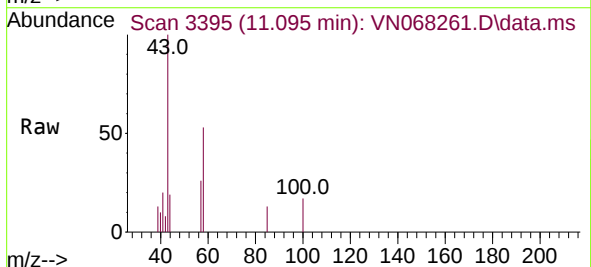
Instrument :
MSVOA_N
ClientSampled :

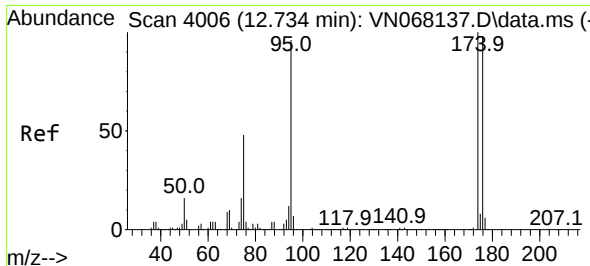
Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 22.1 28.6 43.0#



#59
2-Hexanone
Concen: 0.921 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 43 Resp: 3724
Ion Ratio Lower Upper
43 100
58 50.4 24.7 74.1

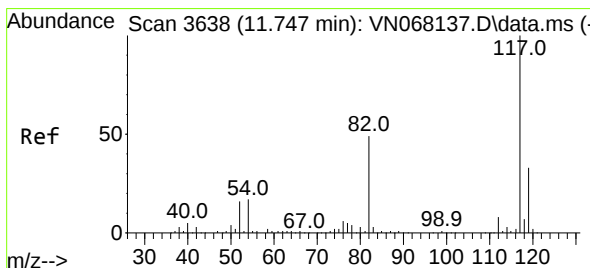
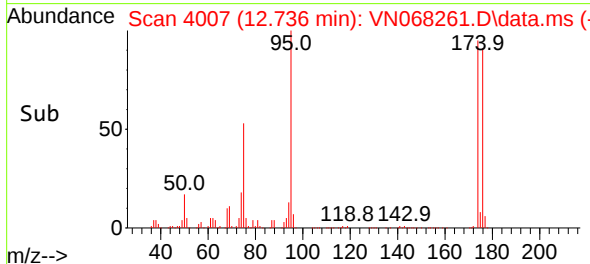
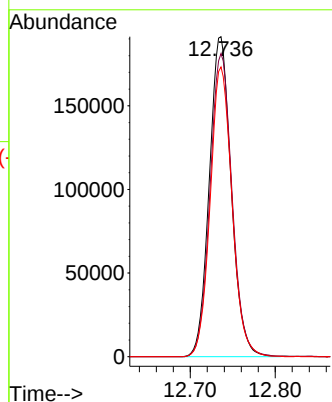
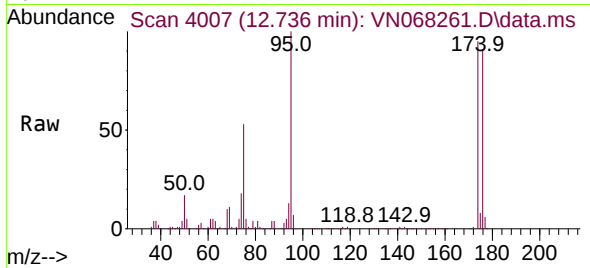




#62
4-Bromofluorobenzene
Concen: 50.648 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

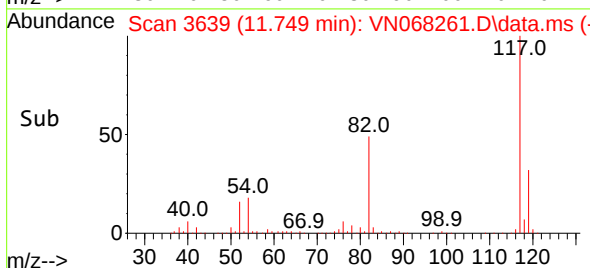
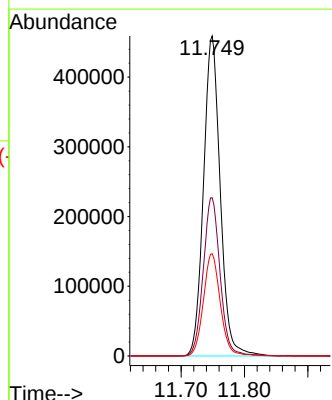
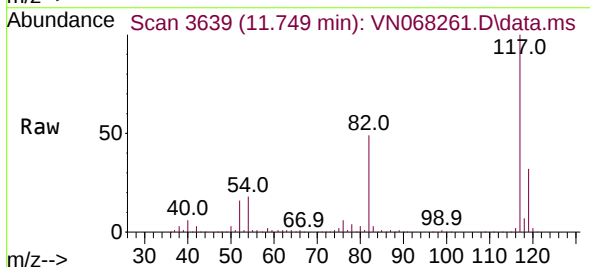
Instrument :
MSVOA_N
ClientSampled :

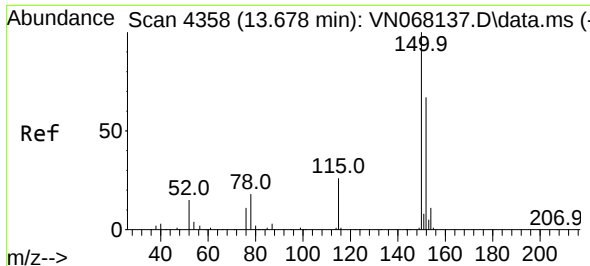
Tgt Ion: 95 Resp: 342631
Ion Ratio Lower Upper
95 100
174 95.6 0.0 122.0
176 90.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 117 Resp: 841732
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 31.9 25.5 38.3

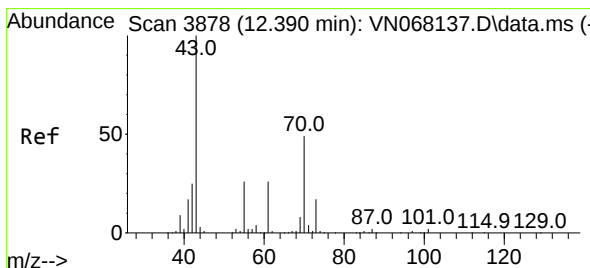
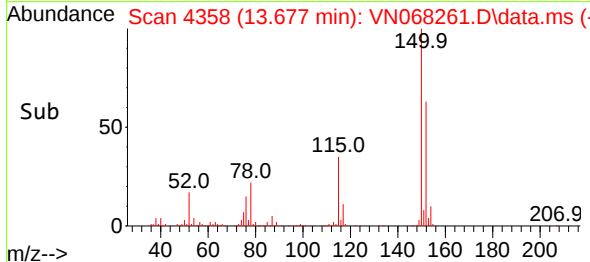
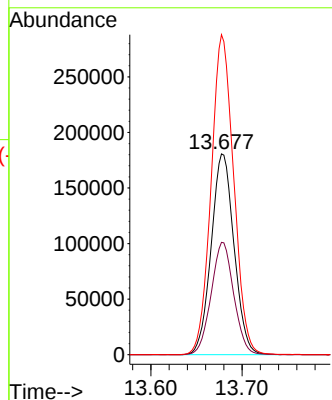
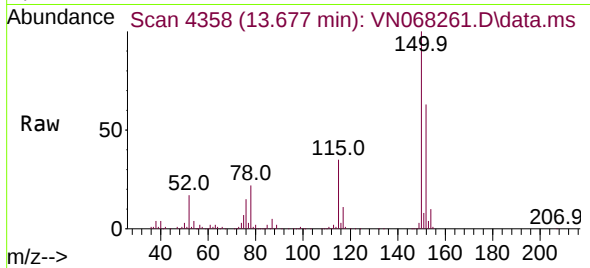




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

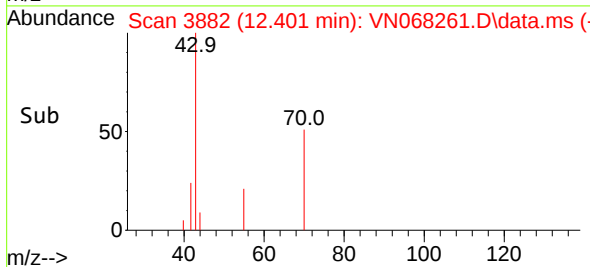
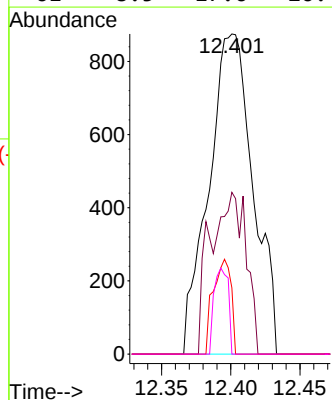
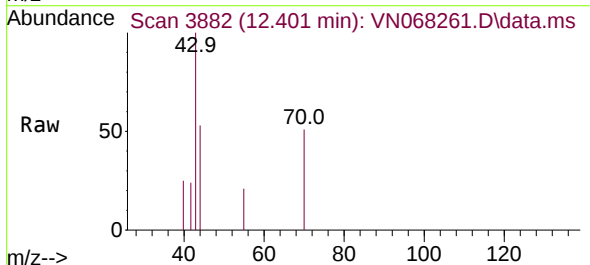
Instrument :
MSVOA_N
ClientSampleId :

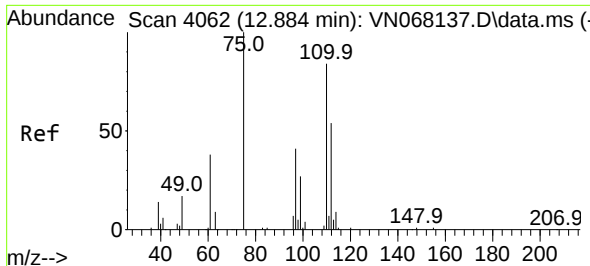
Tgt Ion:152 Resp: 314613
Ion Ratio Lower Upper
152 100
115 55.3 36.1 108.5
150 157.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.335 ug/l
RT: 12.401 min Scan# 3882
Delta R.T. 0.011 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 43 Resp: 1949
Ion Ratio Lower Upper
43 100
70 30.4 29.4 44.2
55 11.9 17.0 25.4#
61 8.5 17.6 26.4#

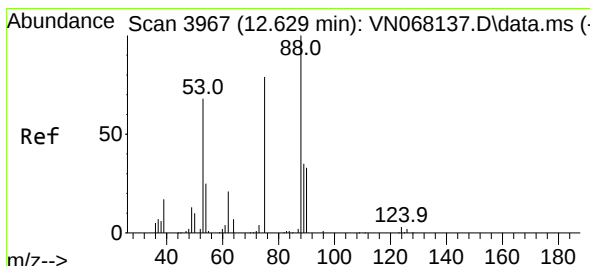
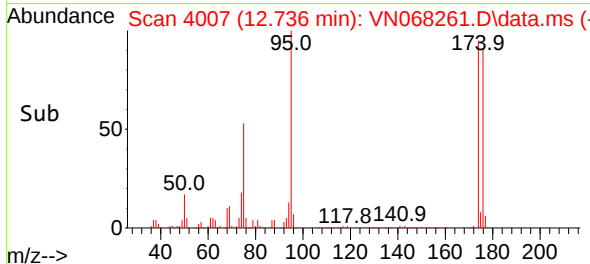
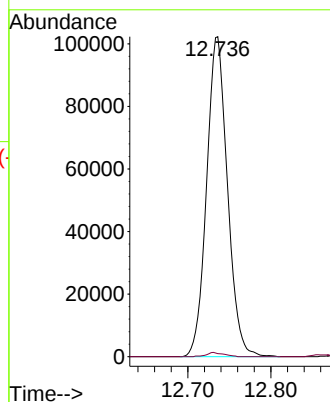
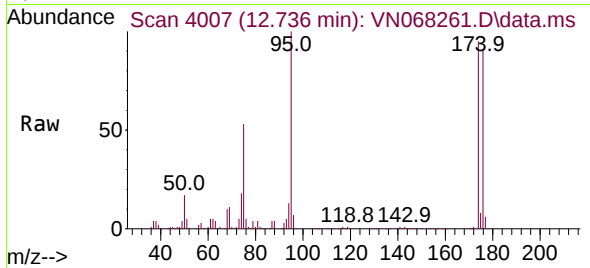




#76
1,2,3-Trichloropropane
Concen: 34.053 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

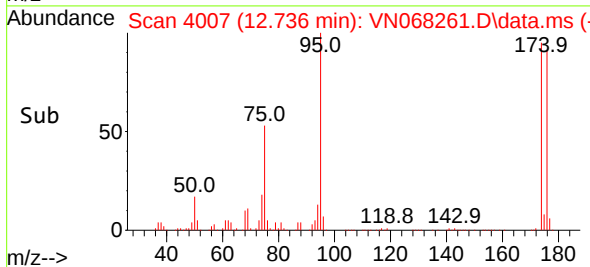
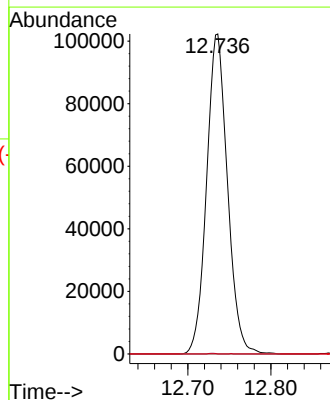
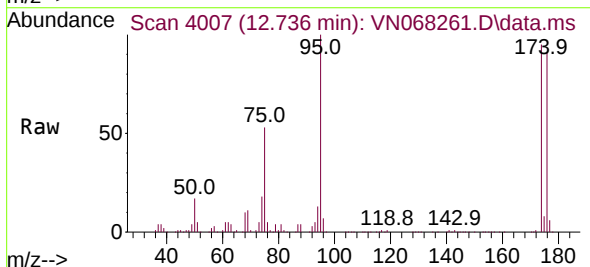
Instrument :
MSVOA_N
ClientSampled :

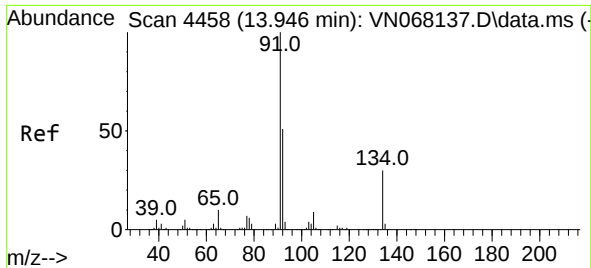
Tgt Ion: 75 Resp: 178067
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.562 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 75 Resp: 178067
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

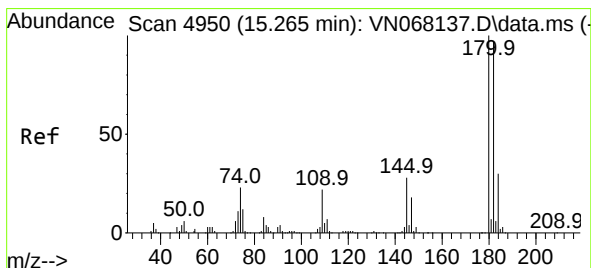
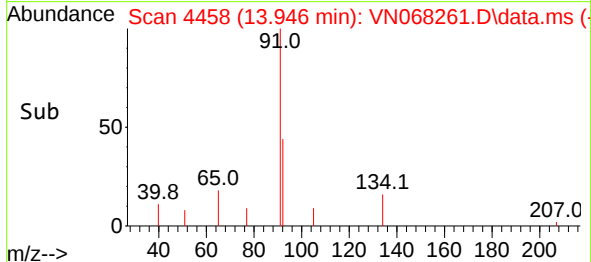
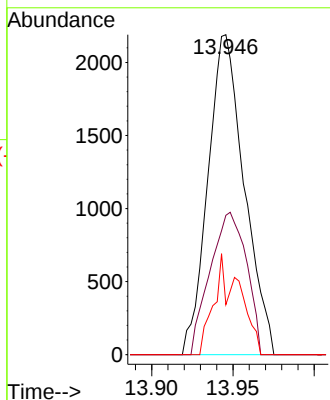
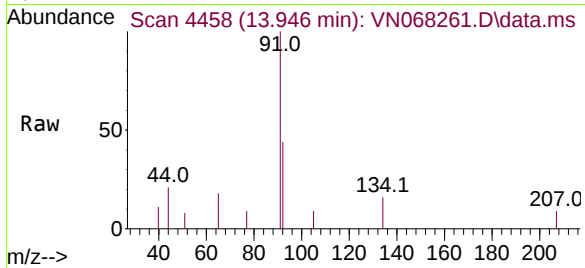




#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

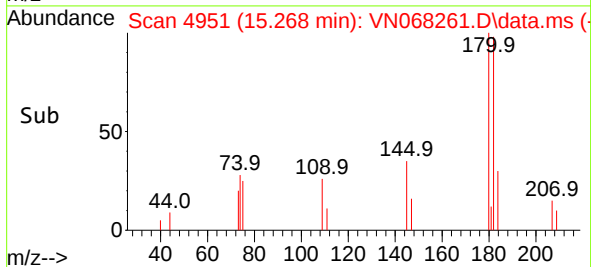
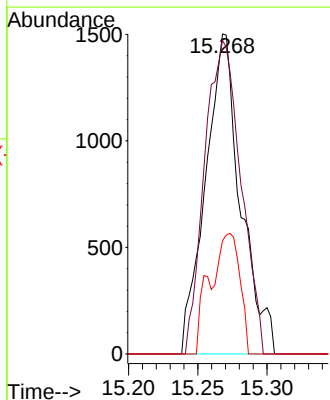
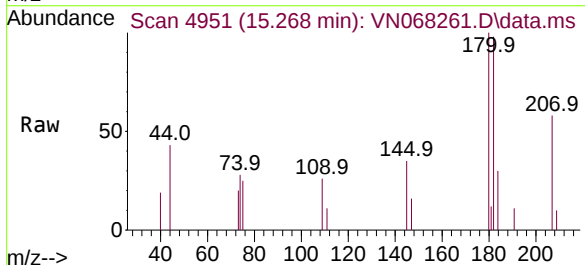
Instrument :
MSVOA_N
ClientSampleId :

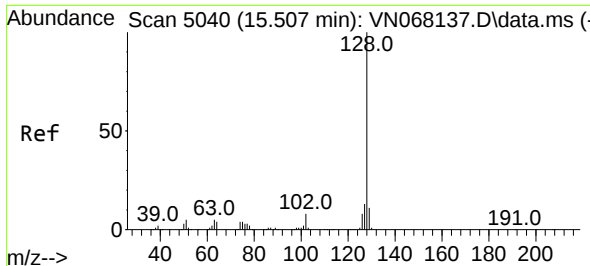
Tgt Ion: 91	Resp:	3401
Ion Ratio	Lower	Upper
91	100	
92	0.0	25.7 77.1#
134	12.4	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 3.164 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion: 180	Resp:	2655
Ion Ratio	Lower	Upper
180	100	
182	100.8	47.5 142.5
145	23.9	17.2 51.6

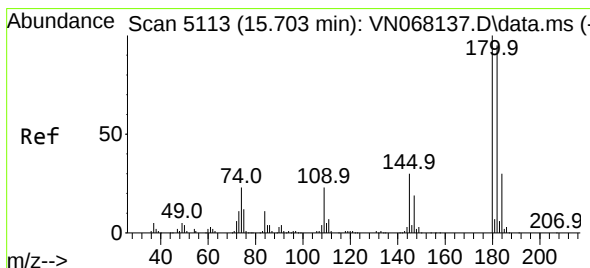
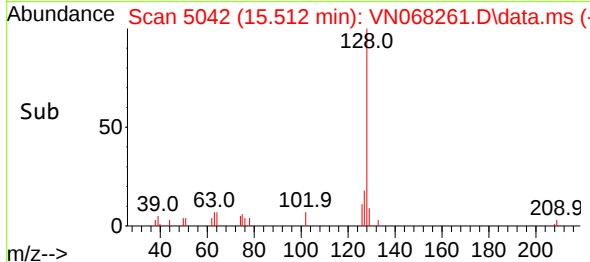
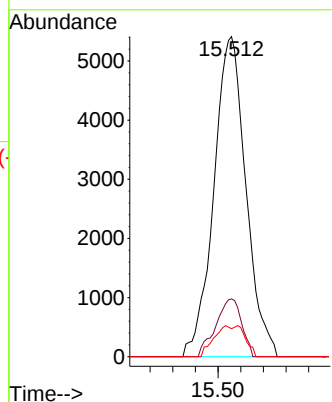
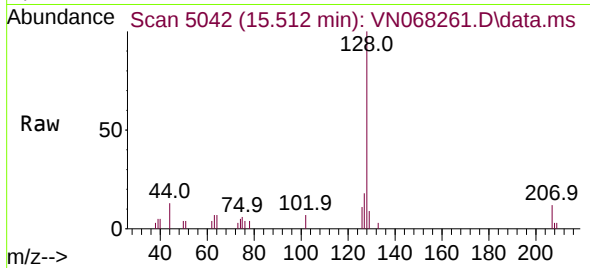




#95
Naphthalene
Concen: 4.147 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 10626
Ion Ratio Lower Upper
128 100
127 14.6 10.6 15.8
129 5.5 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.494 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068261.D
Acq: 23 Aug 2021 11:27

Tgt Ion:180 Resp: 3500
Ion Ratio Lower Upper
180 100
182 94.8 47.8 143.3
145 30.3 18.2 54.6

