

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068245.D
 Acq On : 20 Aug 2021 15:12
 Operator : JC/MD
 Sample : M3509-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB

Quant Time: Aug 20 23:58:44 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)

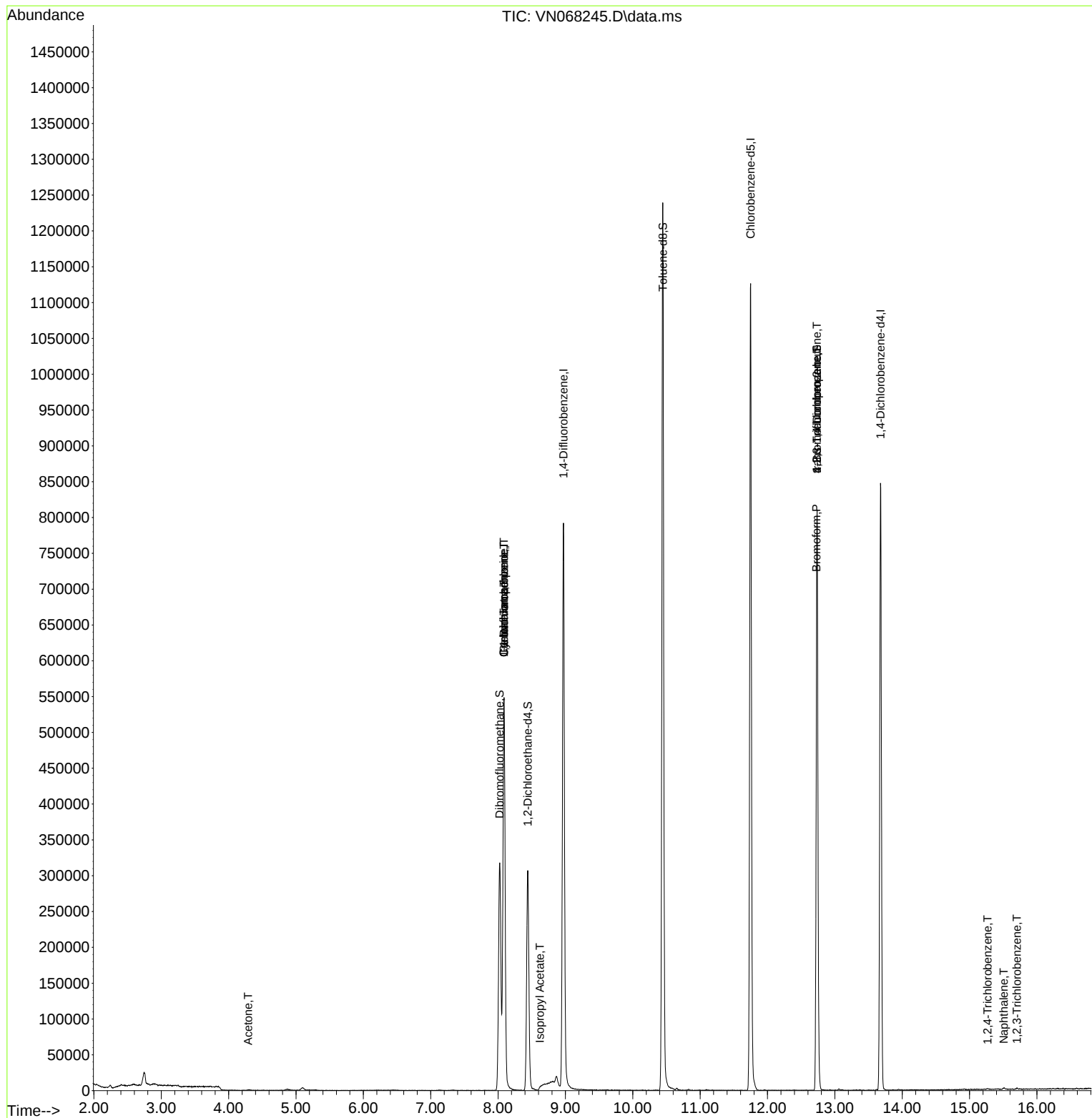
Internal Standards						
1) Pentafluorobenzene	8.088	168	452475	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	751674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	719428	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	257252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	259533	53.720	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 107.440%		
35) Dibromofluoromethane	8.024	113	235652	49.935	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 99.860%		
50) Toluene-d8	10.446	98	916581	50.973	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.940%		
62) 4-Bromofluorobenzene	12.733	95	276453	46.183	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 92.360%		
Target Compounds						Qvalue
5) Bromomethane	2.834	94	50	Below Cal	#	4
6) Chloroethane	3.044	64	52	Below Cal	#	44
13) Acrolein	4.041	56	236	Below Cal	#	14
16) Acetone	4.291	43	823	0.583	ug/l #	82
18) Methyl Acetate	4.862	43	1042	Below Cal	#	54
20) Methylene Chloride	5.101	84	2901	Below Cal	#	85
31) Cyclohexane	8.086	56	7716	1.213	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	29496	4.800	ug/l #	47
38) Carbon Tetrachloride	8.086	117	42202	5.955	ug/l #	16
43) Isopropyl Acetate	8.619	43	1725	0.206	ug/l #	58
71) Bromoform	12.728	173	1256	0.282	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	138760	32.452	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	138760	106.320	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	598	2.817	ug/l #	75
95) Naphthalene	15.507	128	2428	3.569	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.702	180	600	2.970	ug/l #	86

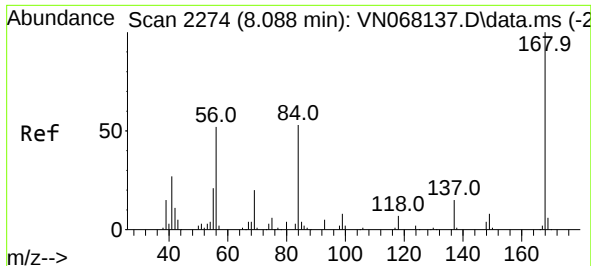
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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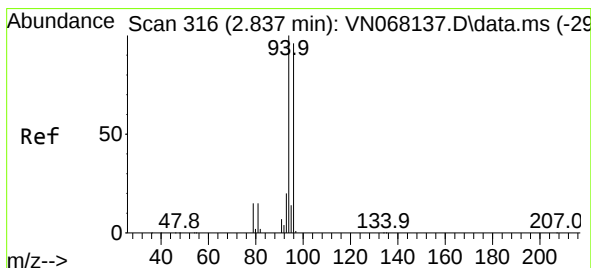
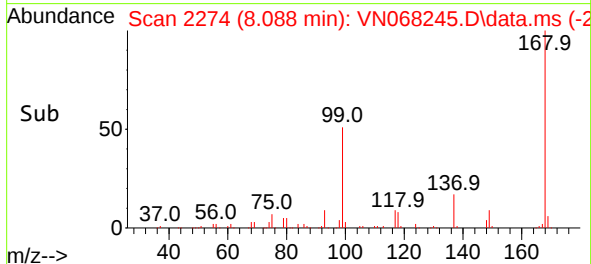
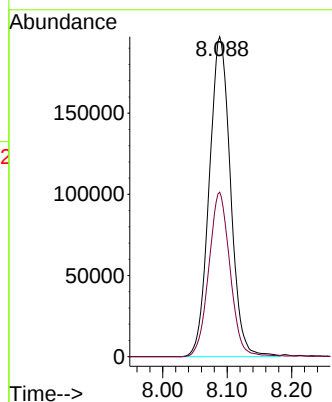
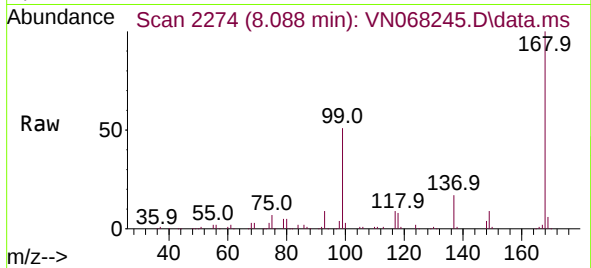




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

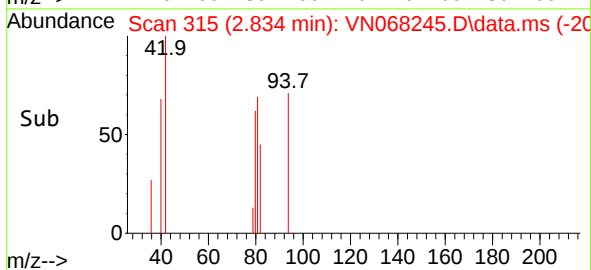
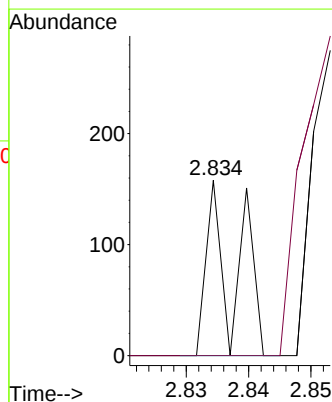
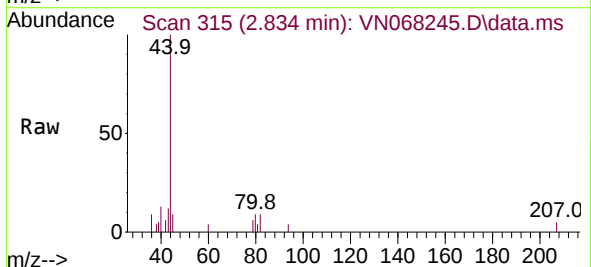
Instrument :
MSVOA_N
ClientSampled :
FB

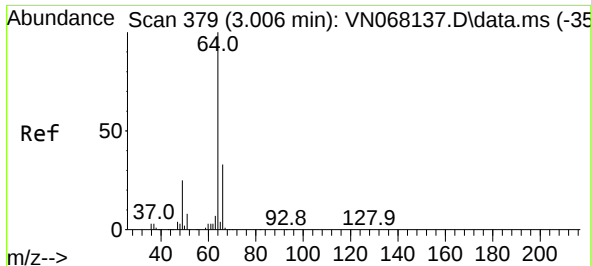
Tgt Ion:168 Resp: 452475
Ion Ratio Lower Upper
168 100
99 51.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 315
Delta R.T. -0.003 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 94 Resp: 50
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

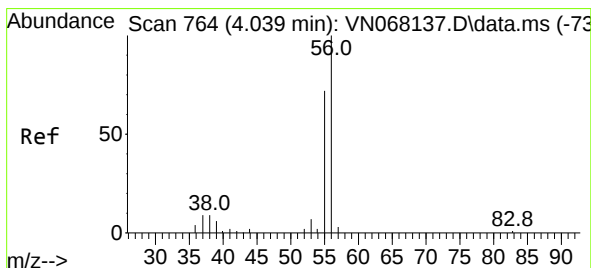
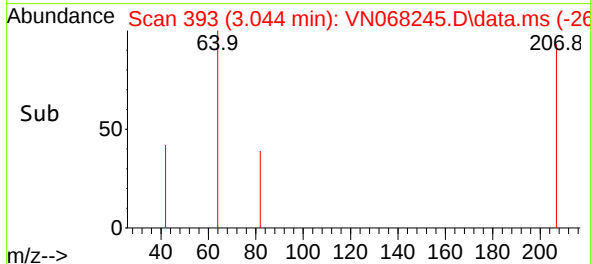
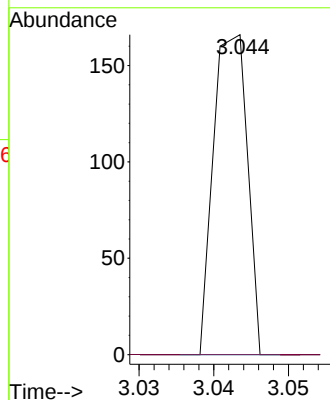
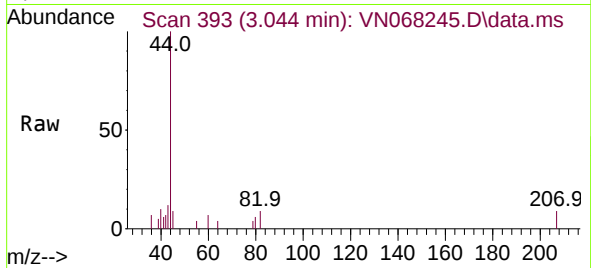




#6
Chloroethane
Concen: Below Cal
RT: 3.044 min Scan# 393
Delta R.T. 0.038 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

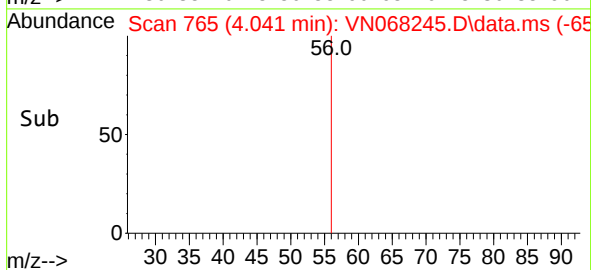
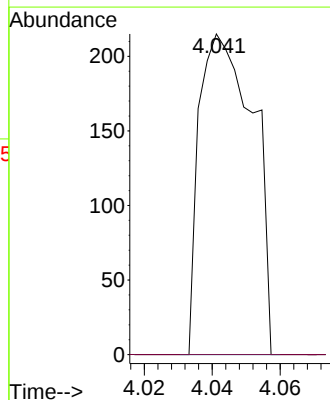
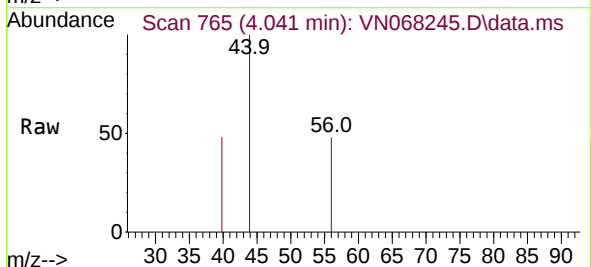
Instrument :
MSVOA_N
ClientSampled :
FB

Tgt Ion: 64 Resp: 52
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: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

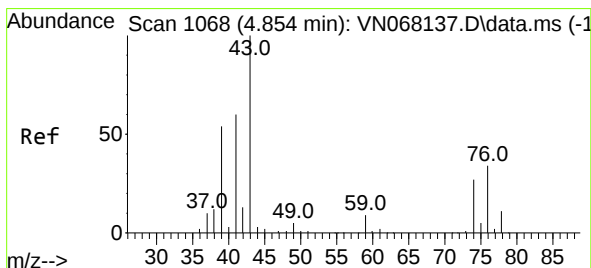
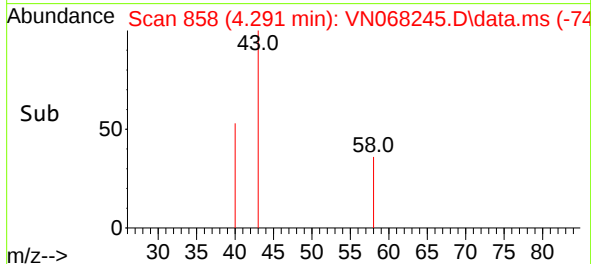
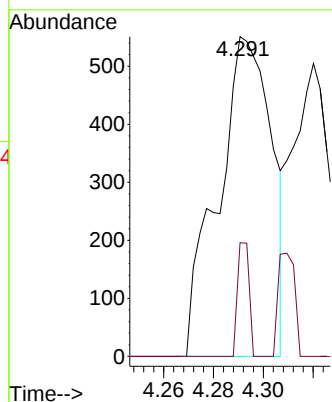
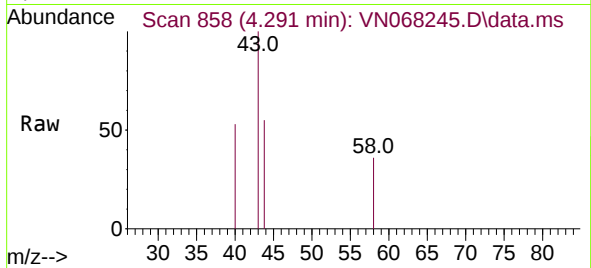




#16
Acetone
Concen: 0.583 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

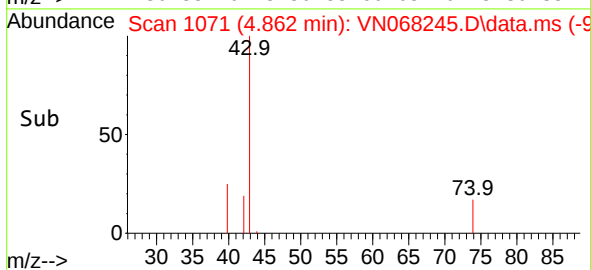
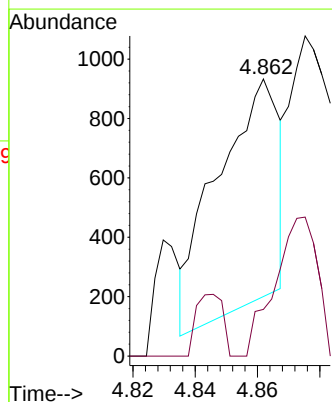
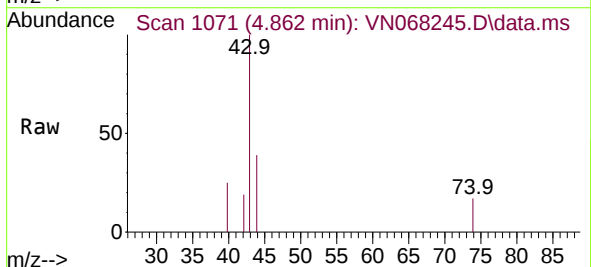
Instrument :
MSVOA_N
ClientSampled :
FB

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 35.6 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.101 min Scan# 1160

Delta R.T. 0.008 min

Lab File: VN068245.D

Acq: 20 Aug 2021 15:12

Instrument :

MSVOA_N

ClientSampleId :

FB

Tgt Ion: 84 Resp: 2901

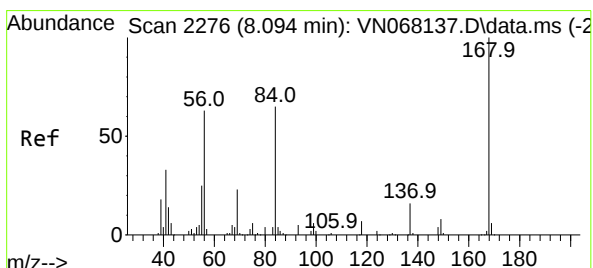
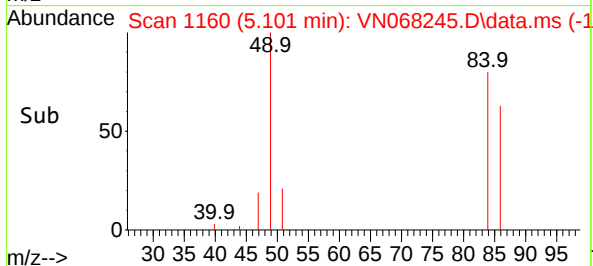
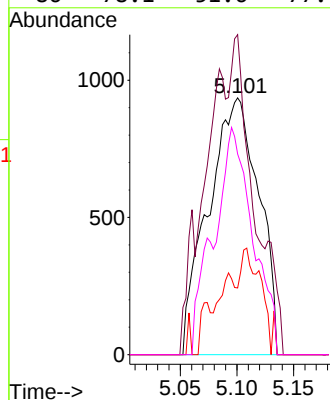
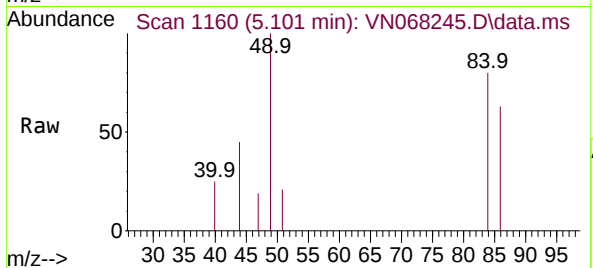
Ion Ratio Lower Upper

84 100

49 124.6 110.9 166.3

51 26.0 32.6 49.0#

86 78.1 51.6 77.4#



#31

Cyclohexane

Concen: 1.213 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068245.D

Acq: 20 Aug 2021 15:12

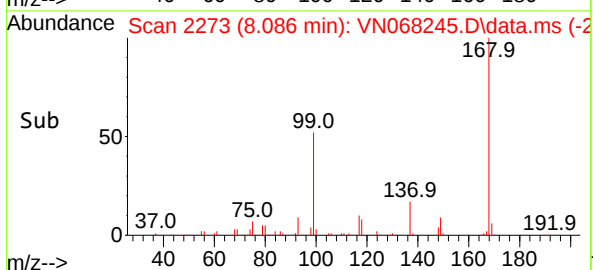
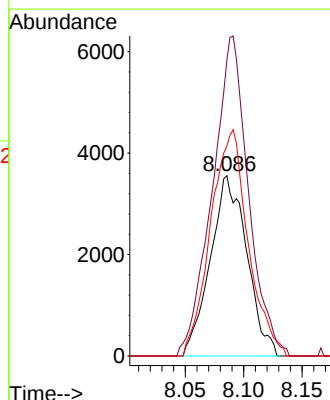
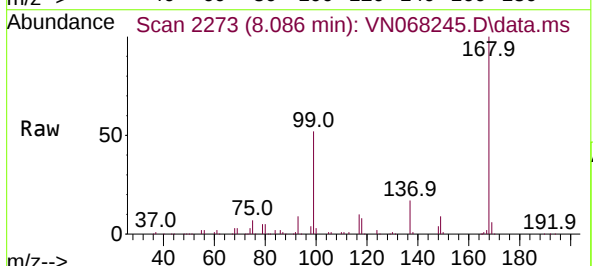
Tgt Ion: 56 Resp: 7716

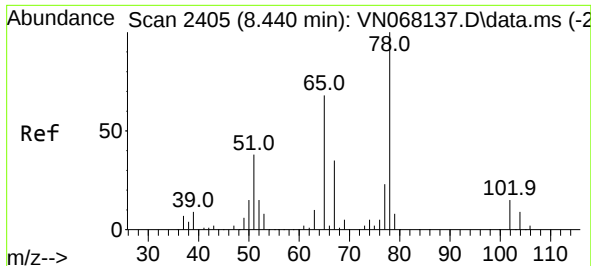
Ion Ratio Lower Upper

56 100

69 159.2 27.3 40.9#

84 116.4 64.9 97.3#

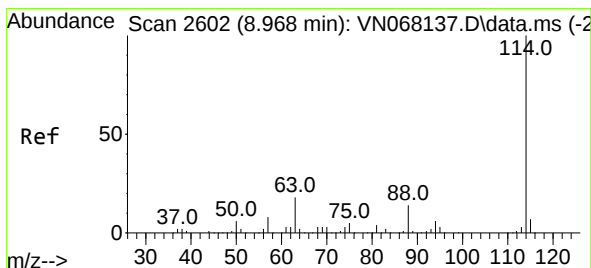
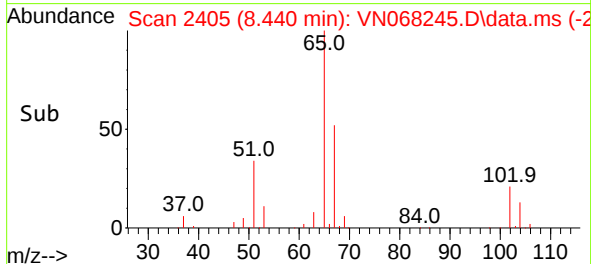
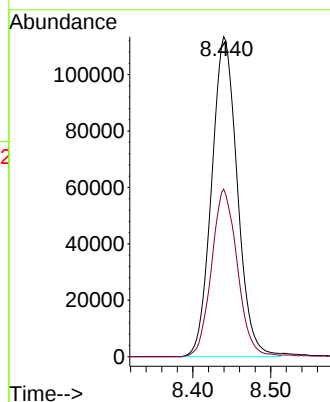
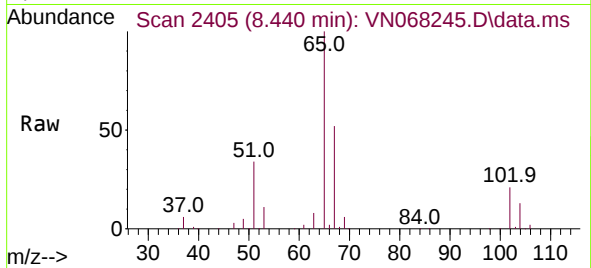




#33
 1,2-Dichloroethane-d4
 Concen: 53.720 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068245.D
 Acq: 20 Aug 2021 15:12

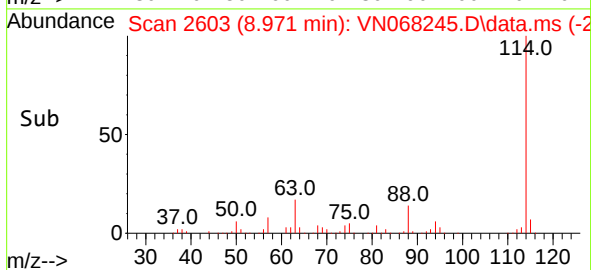
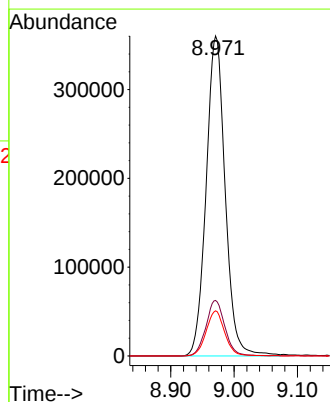
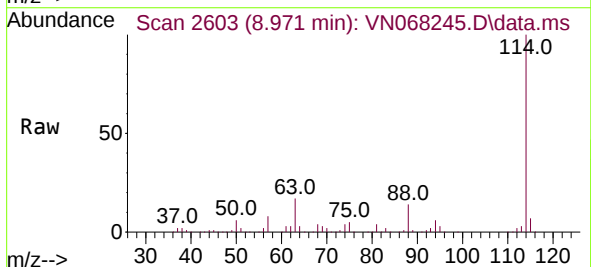
Instrument :
 MSVOA_N
 ClientSampled :
 FB

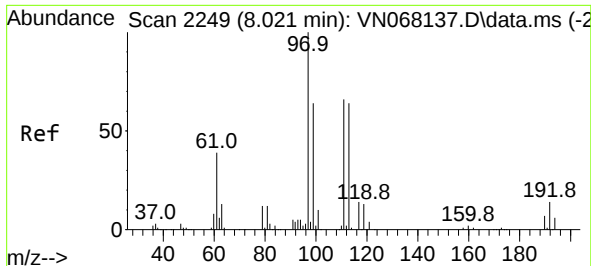
Tgt Ion: 65 Resp: 259533
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068245.D
 Acq: 20 Aug 2021 15:12

Tgt Ion: 114 Resp: 751674
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 14.1 0.0 36.6

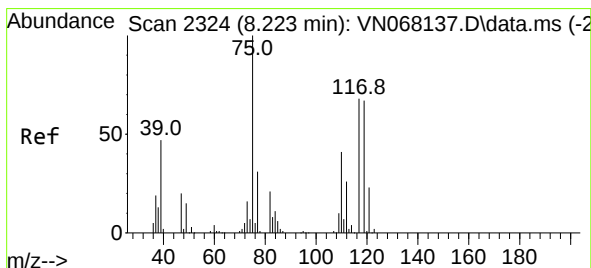
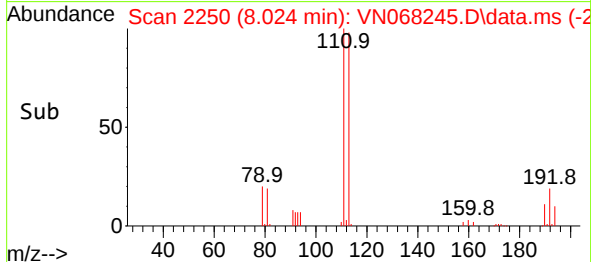
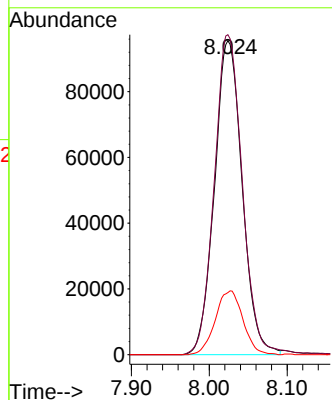
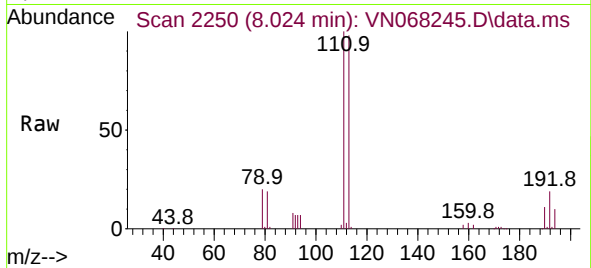




#35
Dibromofluoromethane
Concen: 49.935 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

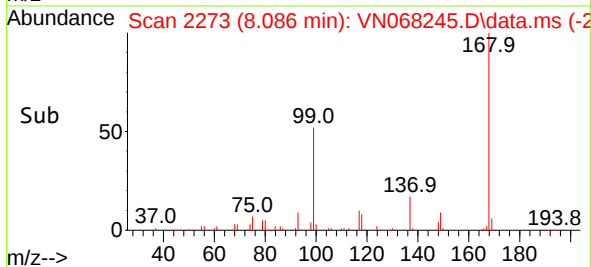
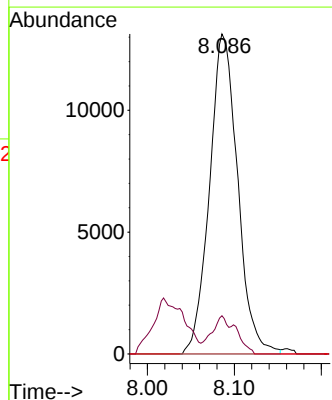
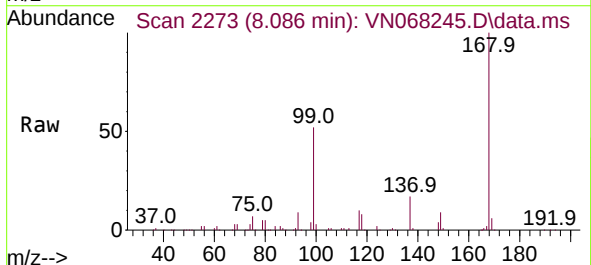
Instrument :
MSVOA_N
ClientSampled :
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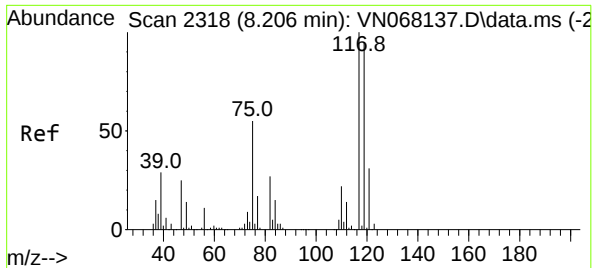
Tgt Ion:113 Resp: 235652
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.8
192 20.3 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.800 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 75 Resp: 29496
Ion Ratio Lower Upper
75 100
110 4.0 15.7 47.0#
77 0.0 24.6 37.0#

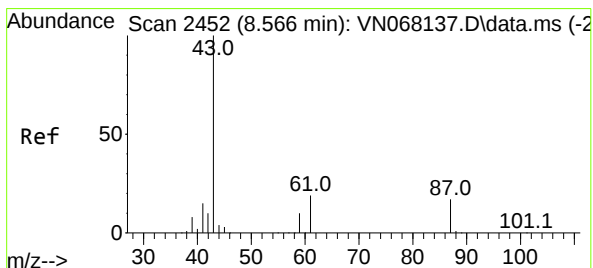
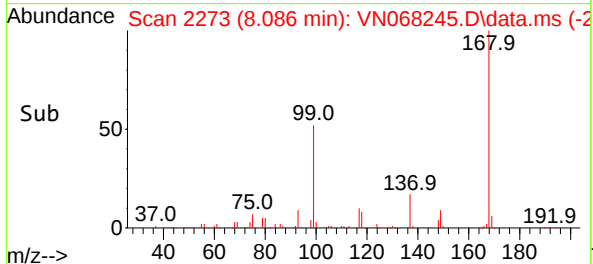
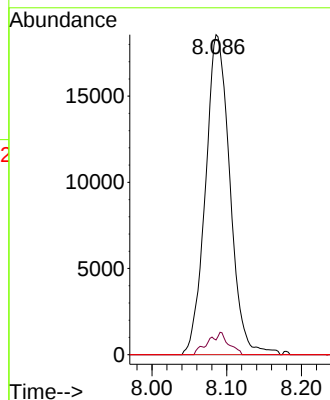
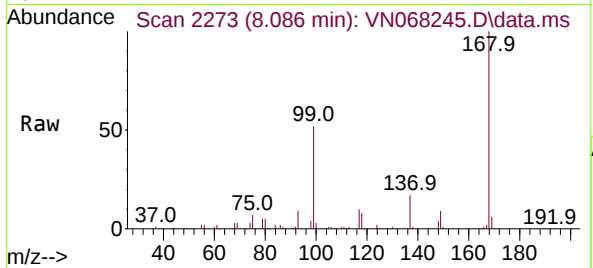




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

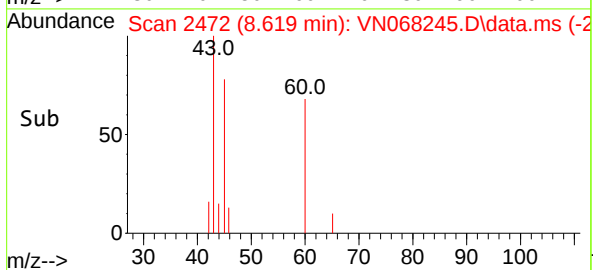
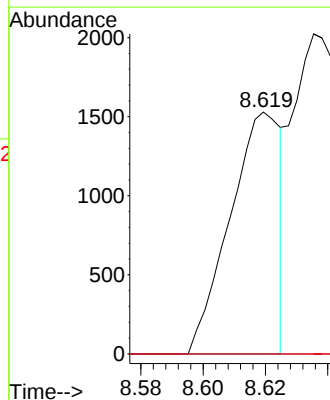
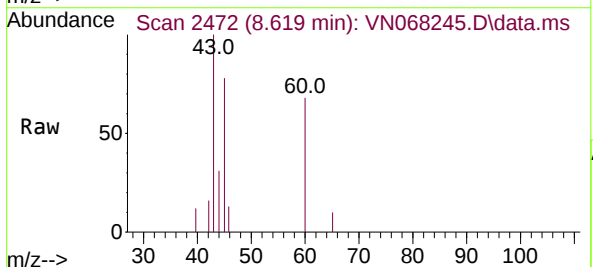
Instrument :
MSVOA_N
ClientSampled :
FB

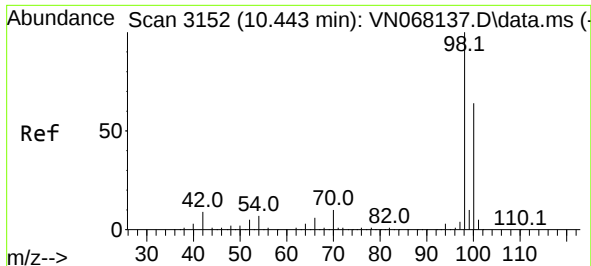
Tgt Ion:117 Resp: 42202
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.206 ug/l
RT: 8.619 min Scan# 2472
Delta R.T. 0.053 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

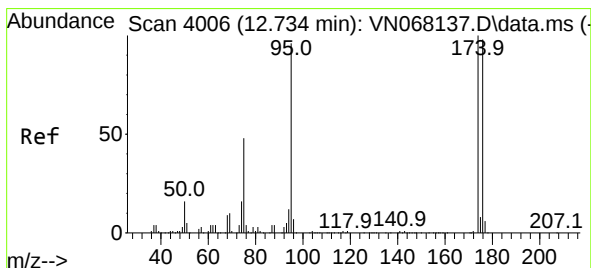
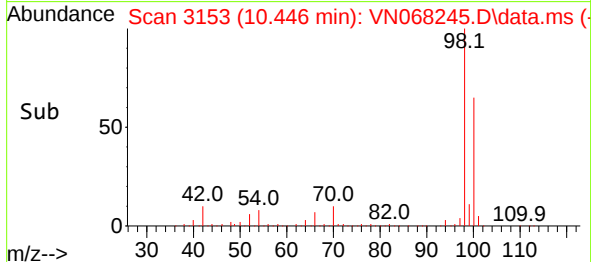
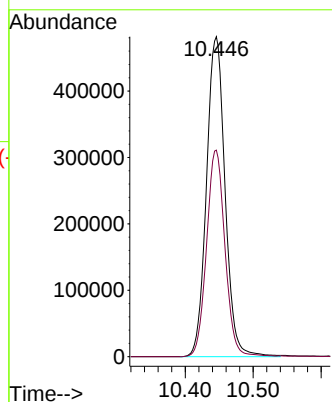
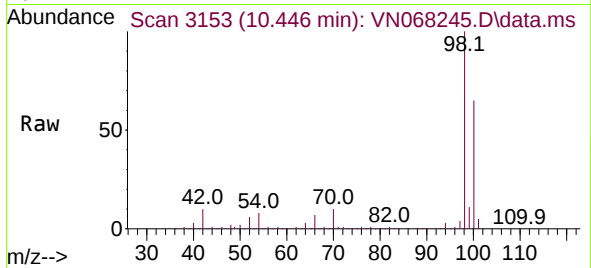




#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

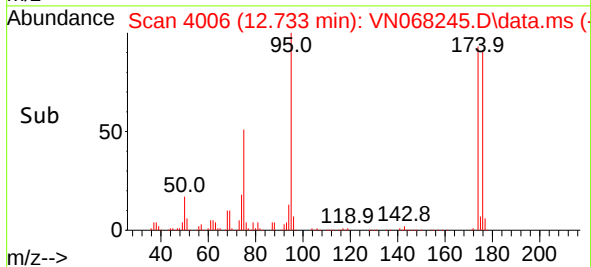
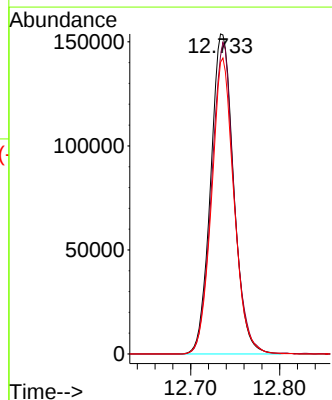
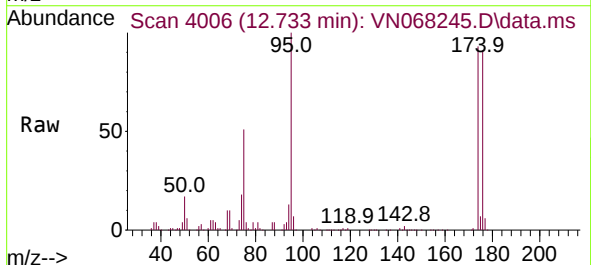
Instrument :
MSVOA_N
ClientSampled :
FB

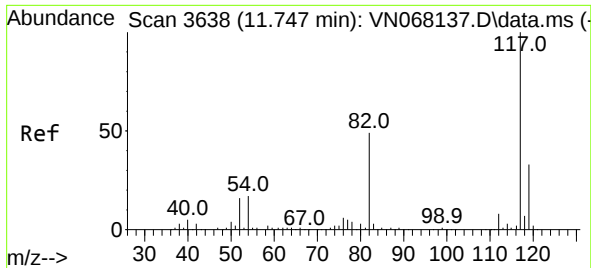
Tgt Ion: 98 Resp: 916581
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion: 95 Resp: 276453
Ion Ratio Lower Upper
95 100
174 94.7 0.0 122.0
176 89.8 0.0 117.6

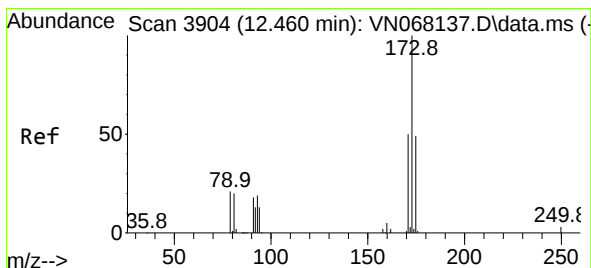
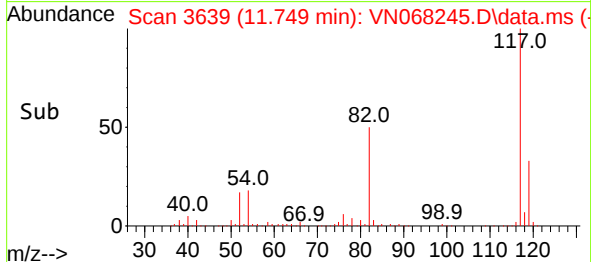
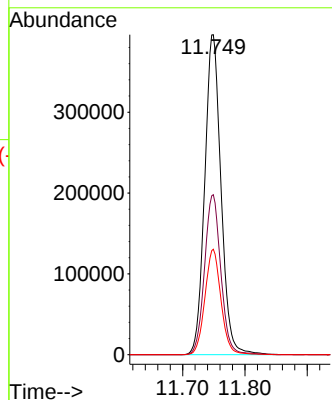
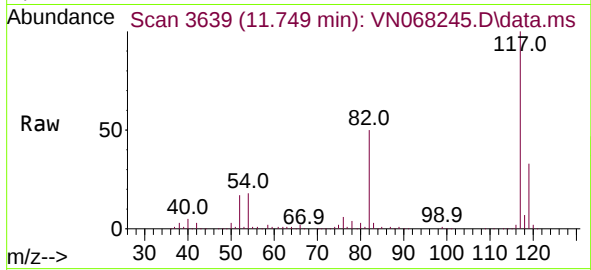




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

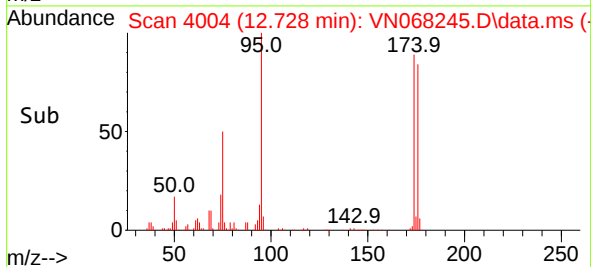
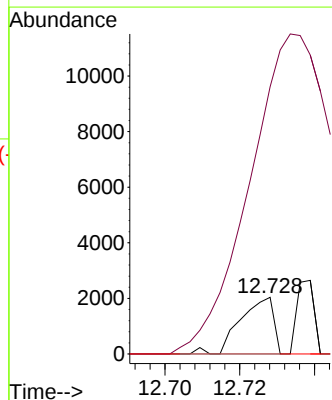
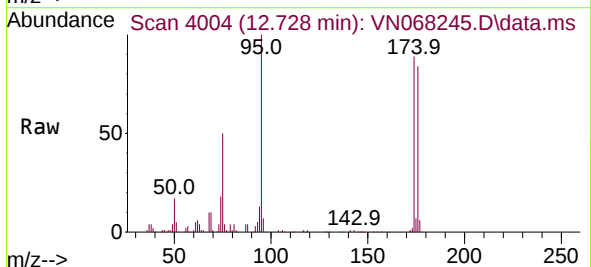
Instrument :
MSVOA_N
ClientSampled :
FB

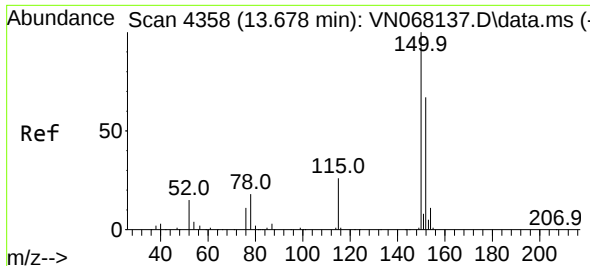
Tgt Ion:117 Resp: 719428
Ion Ratio Lower Upper
117 100
82 50.0 53.1 79.7#
119 33.0 25.5 38.3



#71
Bromoform
Concen: 0.282 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion:173 Resp: 1256
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

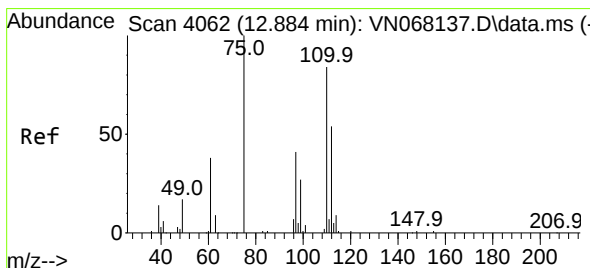
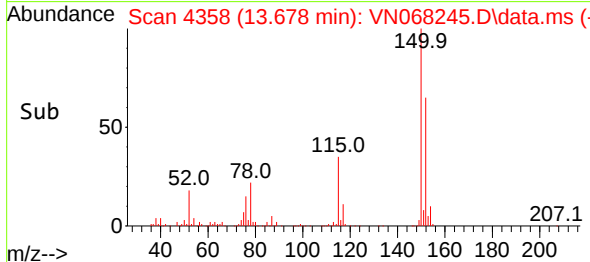
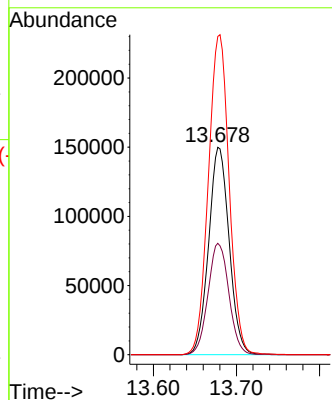
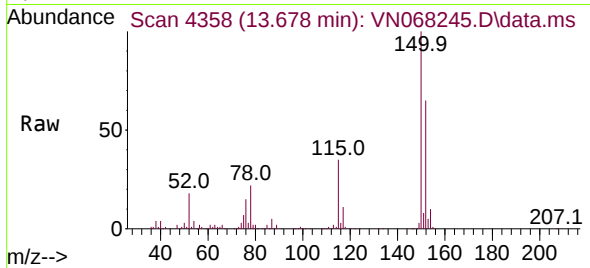




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN068245.D
 Acq: 20 Aug 2021 15:12

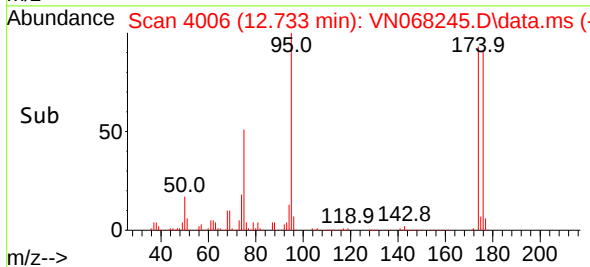
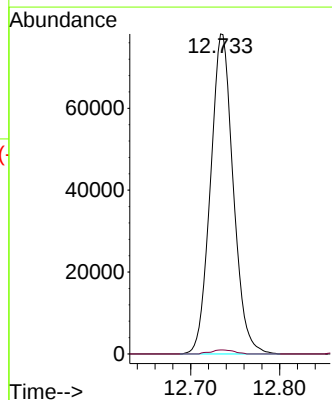
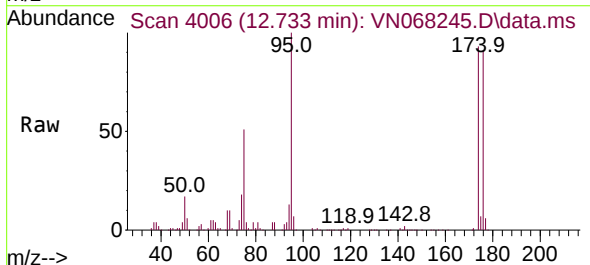
Instrument :
 MSVOA_N
 ClientSampled :
 FB

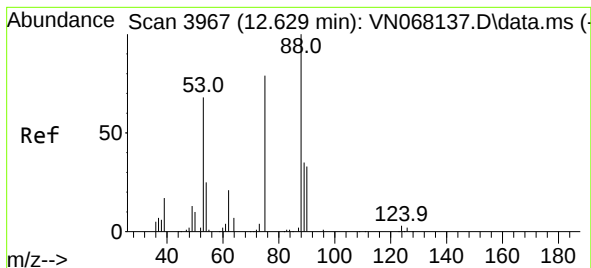
Tgt Ion:152 Resp: 257252
 Ion Ratio Lower Upper
 152 100
 115 54.6 36.1 108.5
 150 156.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.452 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN068245.D
 Acq: 20 Aug 2021 15:12

Tgt Ion: 75 Resp: 138760
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

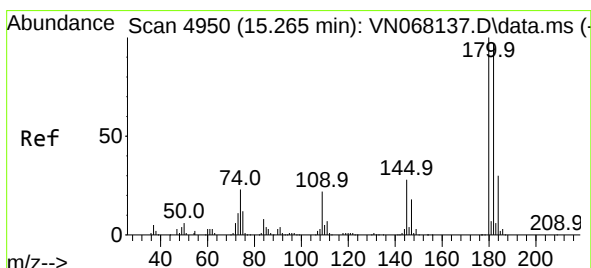
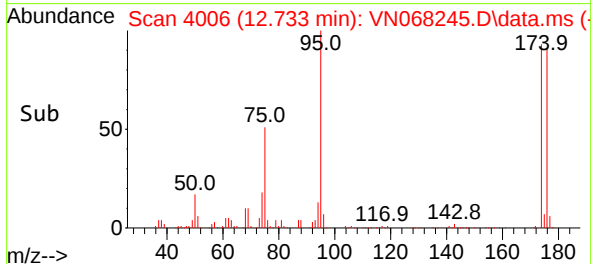
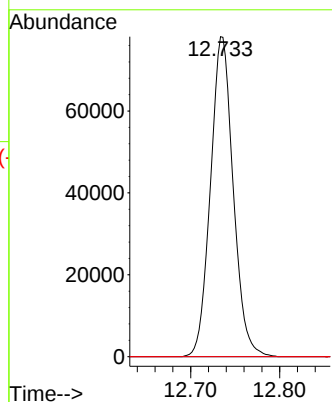
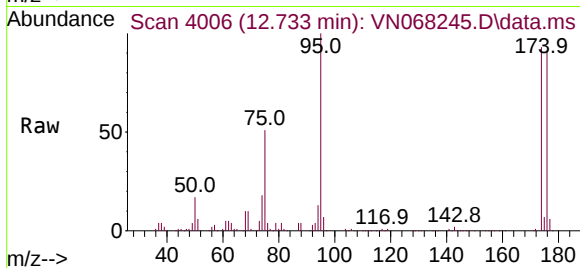




#81
trans-1,4-Dichloro-2-butene
Concen: 106.320 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

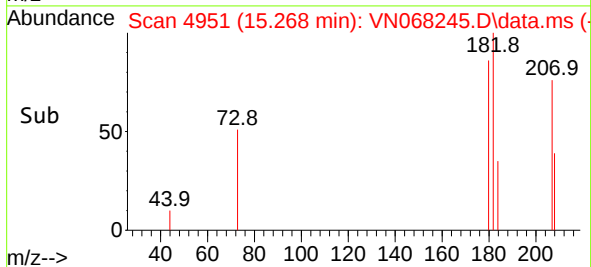
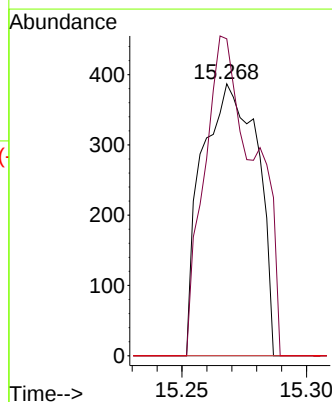
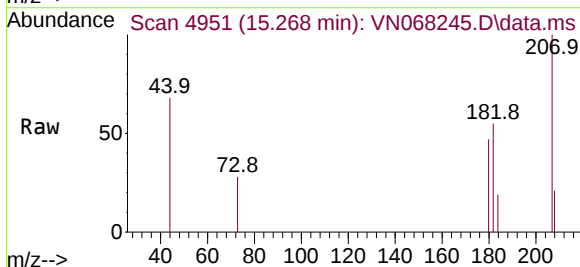
Instrument :
MSVOA_N
ClientSampled :
FB

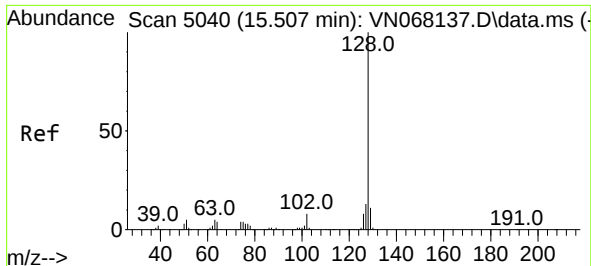
Tgt Ion: 75 Resp: 138760
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.817 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion:180 Resp: 598
Ion Ratio Lower Upper
180 100
182 107.7 47.5 142.5
145 0.0 17.2 51.6#

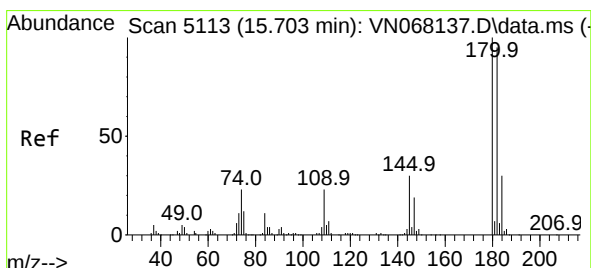
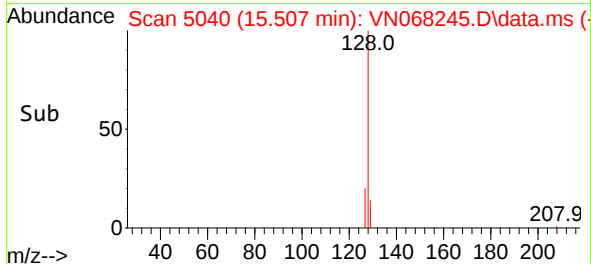
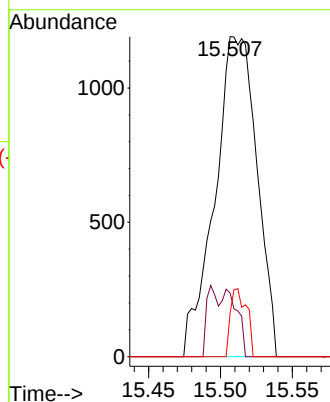
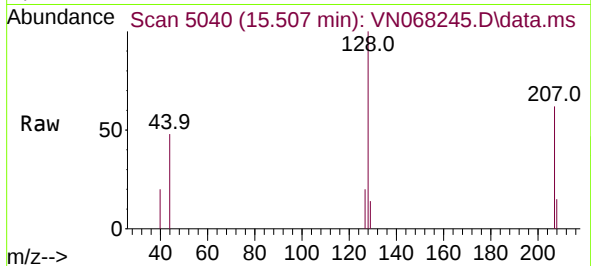




#95
Naphthalene
Concen: 3.569 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Instrument :
MSVOA_N
ClientSampled :
FB

Tgt Ion:	128	Resp:	2428
Ion	Ratio	Lower	Upper
128	100		
127	6.0	10.6	15.8#
129	8.1	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.970 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068245.D
Acq: 20 Aug 2021 15:12

Tgt Ion:	180	Resp:	600
Ion	Ratio	Lower	Upper
180	100		
182	90.5	47.8	143.3
145	13.7	18.2	54.6#

