

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068631.D
 Acq On : 23 Sep 2021 19:58
 Operator : JC/MD
 Sample : M3871-04RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-BL

Quant Time: Sep 24 01:58:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	643424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1071364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	939066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	341243	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	542908	54.175	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.340%	
35) Dibromofluoromethane	8.024	113	371151	51.781	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 103.560%	
50) Toluene-d8	10.446	98	1486432	48.920	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.840%	
62) 4-Bromofluorobenzene	12.733	95	479923	46.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.360%	

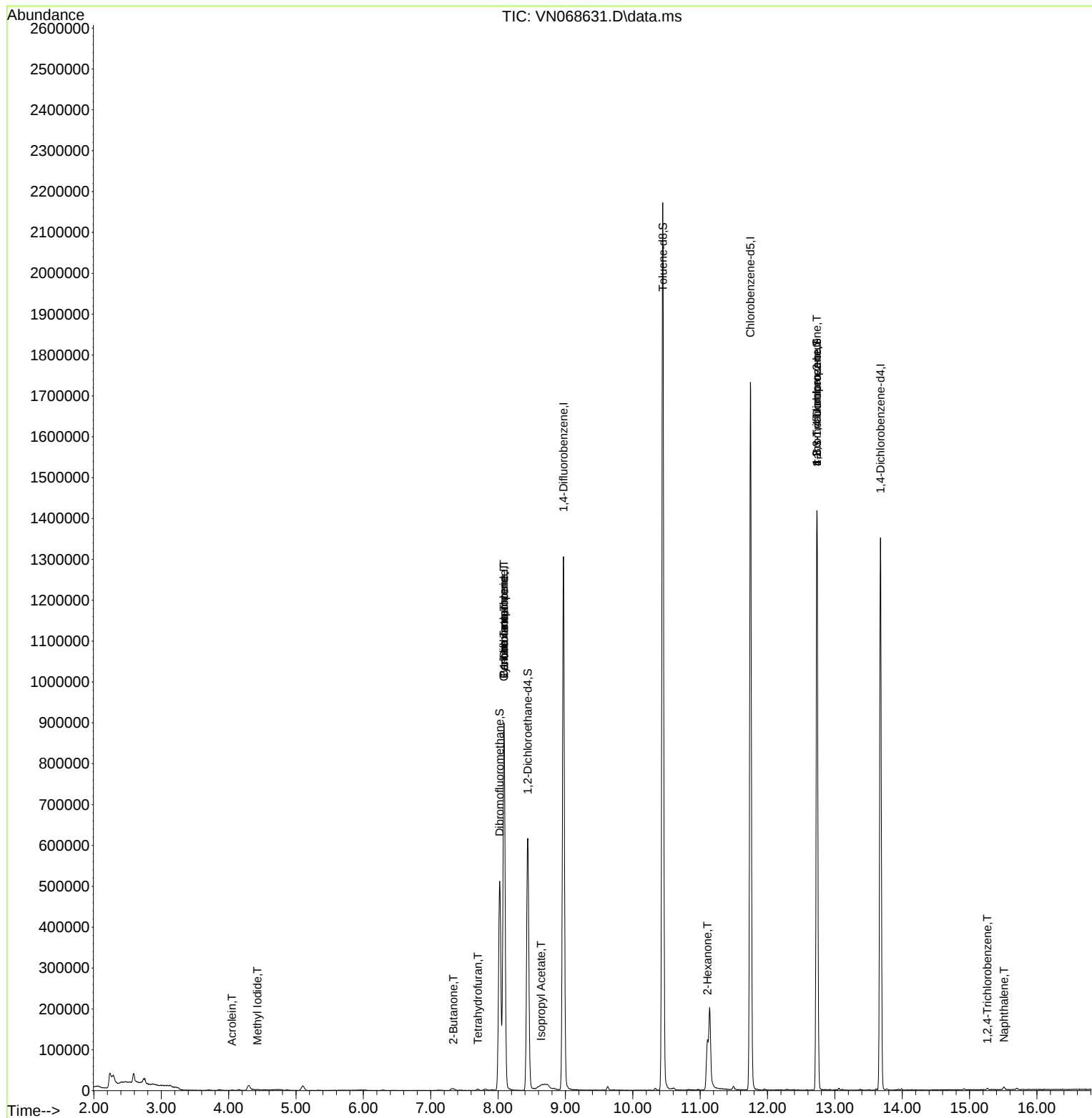
Target Compounds				Qvalue		
5) Bromomethane	2.842	94	85	Below Cal	85	
6) Chloroethane	3.196	64	376	Below Cal	#	44
10) Methyl Iodide	4.427	142	1713	0.208	ug/l #	50
13) Acrolein	4.049	56	843	8.514	ug/l	91
16) Acetone	4.296	43	23907	Below Cal	94	
20) Methylene Chloride	5.101	84	4946	Below Cal	#	89
25) 2-Butanone	7.337	43	2600	0.425	ug/l	97
29) Tetrahydrofuran	7.699	42	2400	0.617	ug/l #	72
31) Cyclohexane	8.086	56	17750	1.259	ug/l #	26
36) 1,1-Dichloropropene	8.088	75	58777	5.432	ug/l #	51
38) Carbon Tetrachloride	8.088	117	69844	6.249	ug/l #	16
43) Isopropyl Acetate	8.638	43	14783	0.703	ug/l #	58
59) 2-Hexanone	11.111	43	34563	3.782	ug/l #	42
76) 1,2,3-Trichloropropane	12.733	75	267204	31.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	267204	89.456	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.262	180	1489	0.260	ug/l #	82
95) Naphthalene	15.509	128	6396	1.973	ug/l #	90

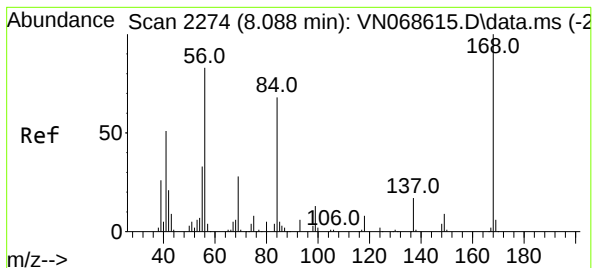
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 13:52:37 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068631.D

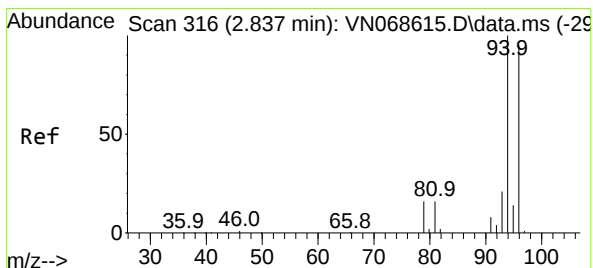
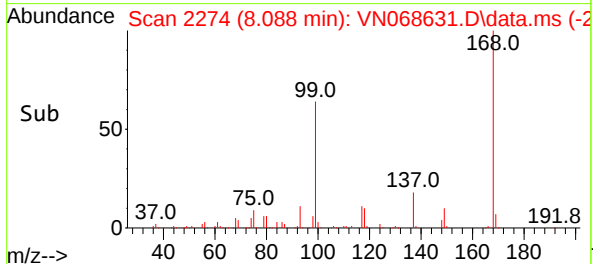
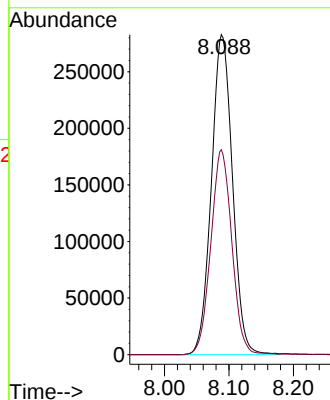
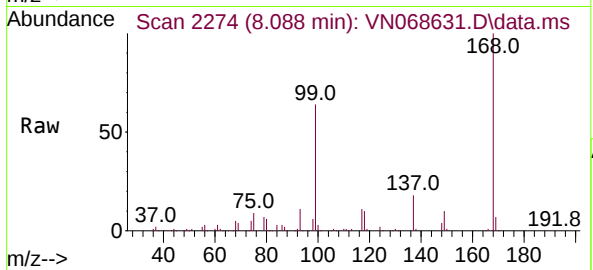
Acq: 23 Sep 2021 19:58

Tgt Ion:168 Resp: 643424

Ion Ratio Lower Upper

168 100

99 64.1 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.842 min Scan# 318

Delta R.T. 0.005 min

Lab File: VN068631.D

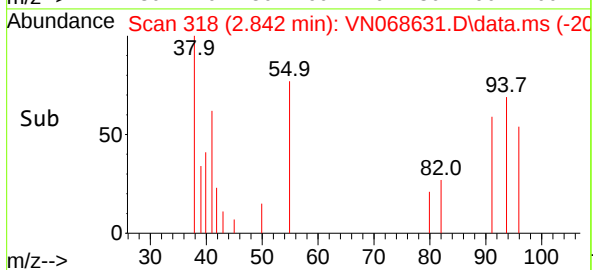
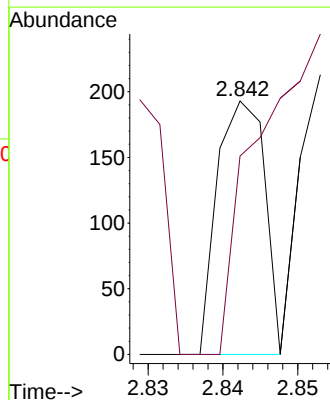
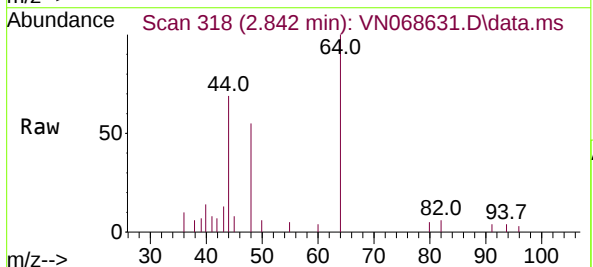
Acq: 23 Sep 2021 19:58

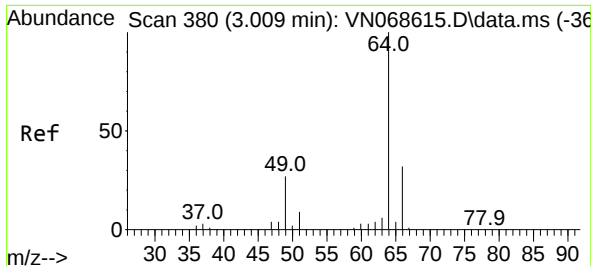
Tgt Ion: 94 Resp: 85

Ion Ratio Lower Upper

94 100

96 78.2 73.7 110.5

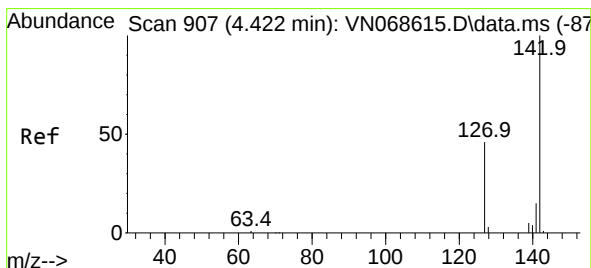
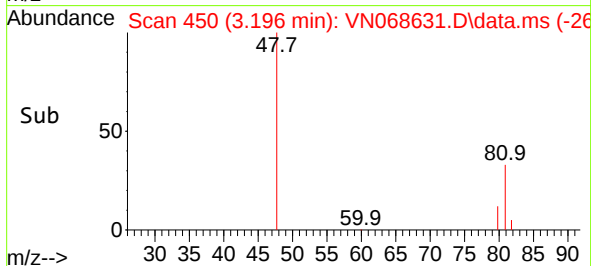
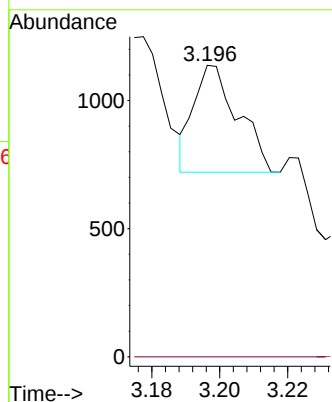
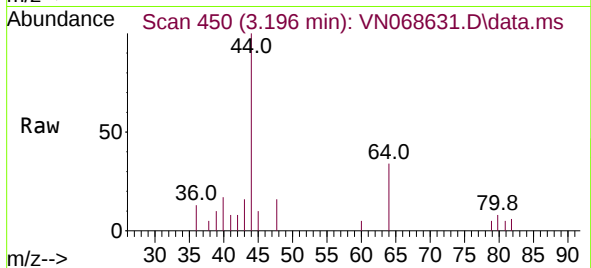




#6
Chloroethane
Concen: Below Cal
RT: 3.196 min Scan# 450
Delta R.T. 0.187 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

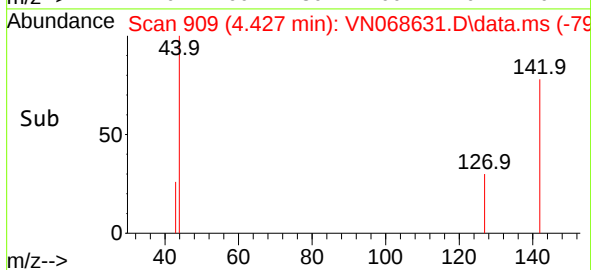
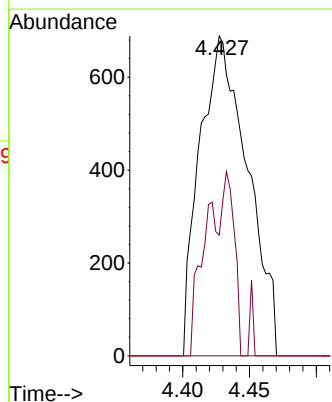
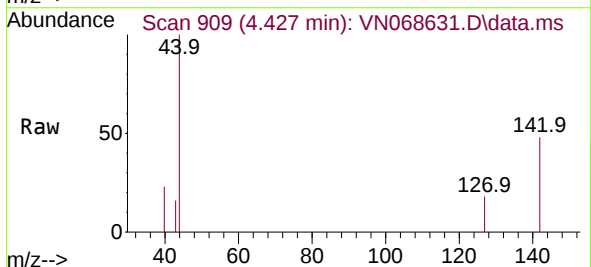
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

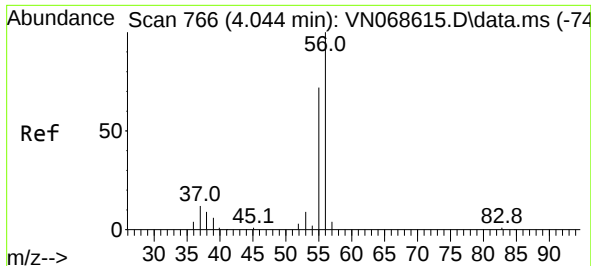
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 142 Resp: 1713
Ion Ratio Lower Upper
142 100
127 14.8 43.1 64.7#
141 0.0 11.4 17.0#

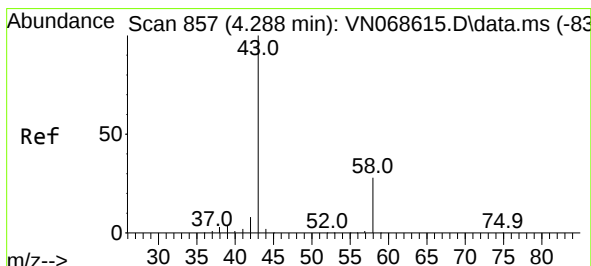
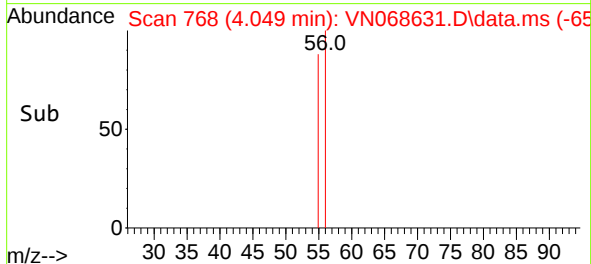
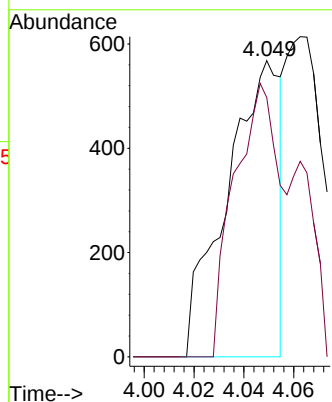
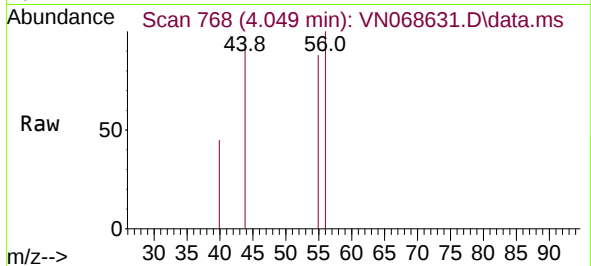




#13
Acrolein
Concen: 8.514 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.005 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

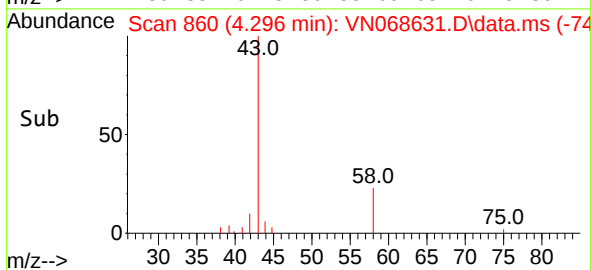
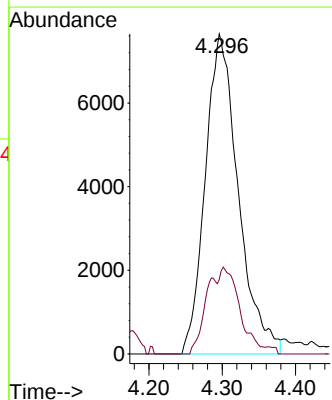
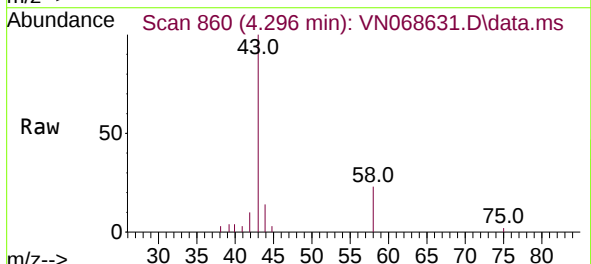
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

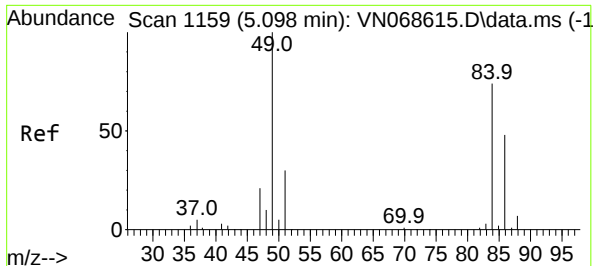
Tgt Ion: 56 Resp: 843
Ion Ratio Lower Upper
56 100
55 78.8 57.4 86.0



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 43 Resp: 23907
Ion Ratio Lower Upper
43 100
58 23.3 21.2 31.8





#20

Methylene Chloride

Concen: Below Cal

RT: 5.101 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VN068631.D

Acq: 23 Sep 2021 19:58

Instrument :

MSVOA_N

ClientSampled :

FB02-BL

Tgt Ion: 84 Resp: 4946

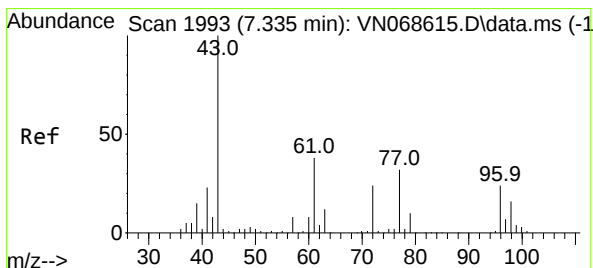
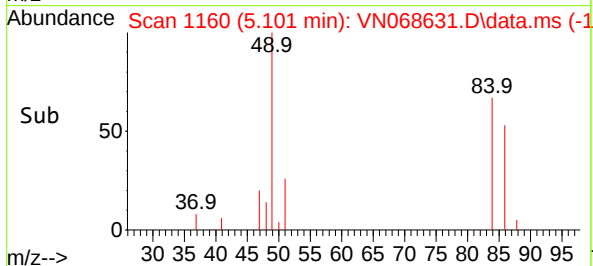
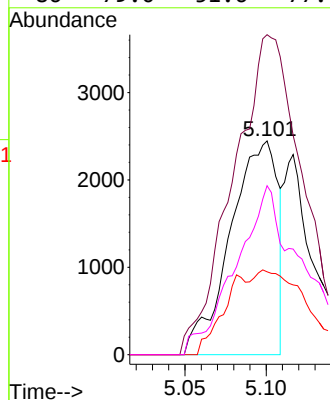
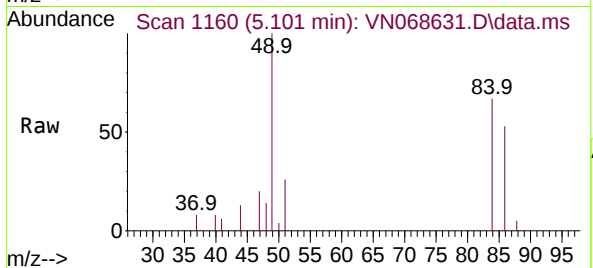
Ion Ratio Lower Upper

84 100

49 149.7 110.9 166.3

51 38.8 32.6 49.0

86 79.0 51.6 77.4#



#25

2-Butanone

Concen: 0.425 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.002 min

Lab File: VN068631.D

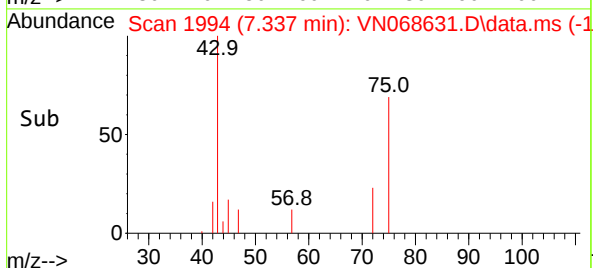
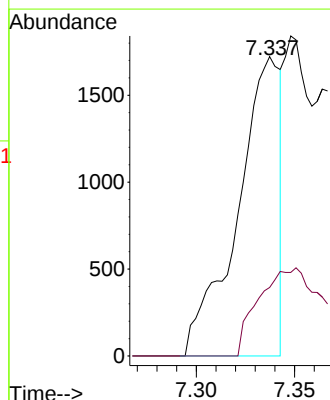
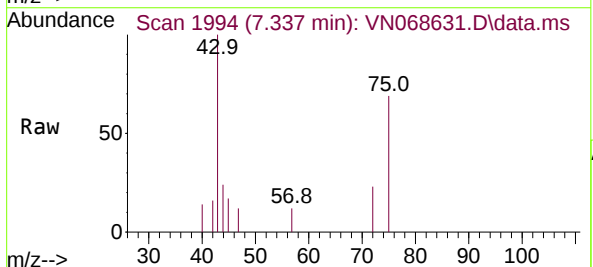
Acq: 23 Sep 2021 19:58

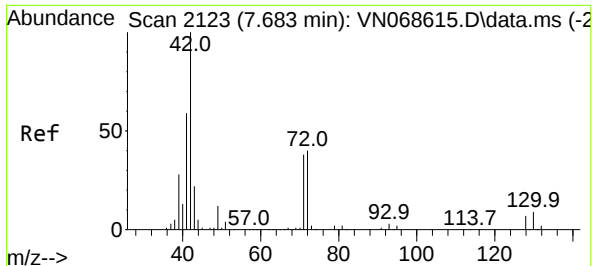
Tgt Ion: 43 Resp: 2600

Ion Ratio Lower Upper

43 100

72 22.9 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.617 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN068631.D

Acq: 23 Sep 2021 19:58

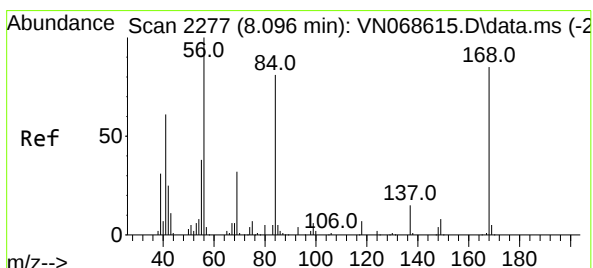
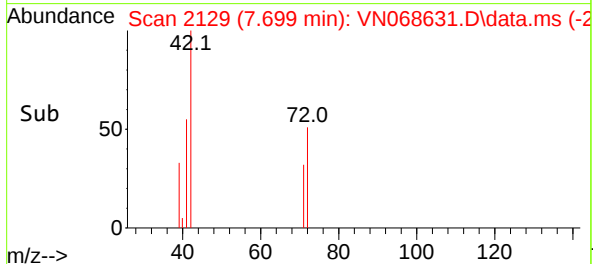
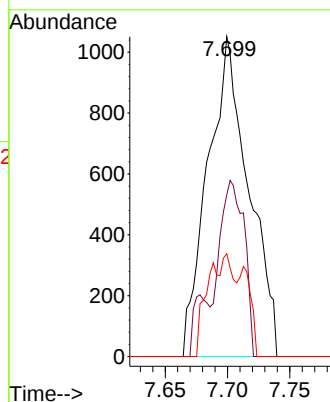
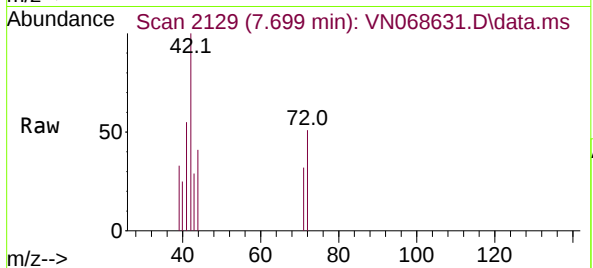
Instrument :

MSVOA_N

ClientSampleId :

FB02-BL

Tgt Ion:	42	Resp:	2400
Ion	Ratio	Lower	Upper
42	100		
72	33.3	32.8	49.2
71	11.3	31.2	46.8#



#31

Cyclohexane

Concen: 1.259 ug/l

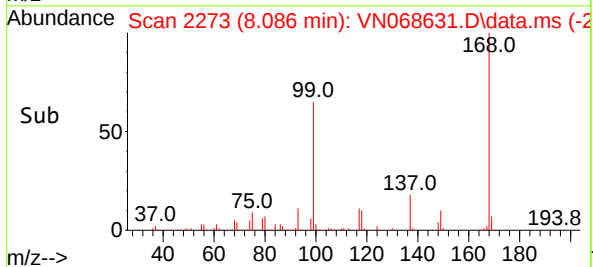
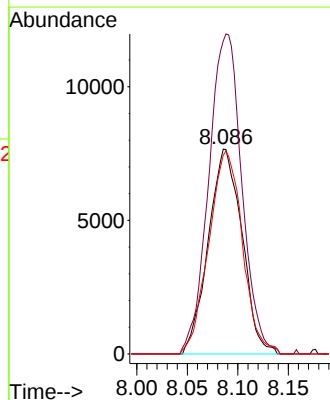
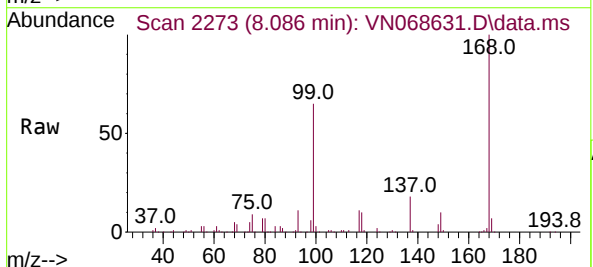
RT: 8.086 min Scan# 2273

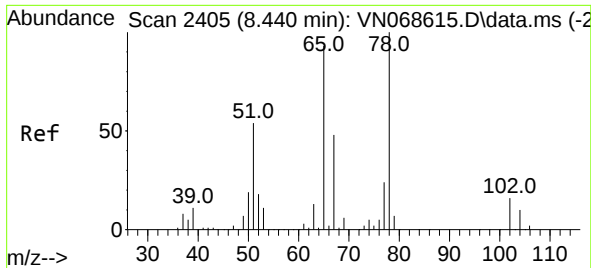
Delta R.T. -0.010 min

Lab File: VN068631.D

Acq: 23 Sep 2021 19:58

Tgt Ion:	56	Resp:	17750
Ion	Ratio	Lower	Upper
56	100		
69	152.8	27.3	40.9#
84	97.1	64.9	97.3

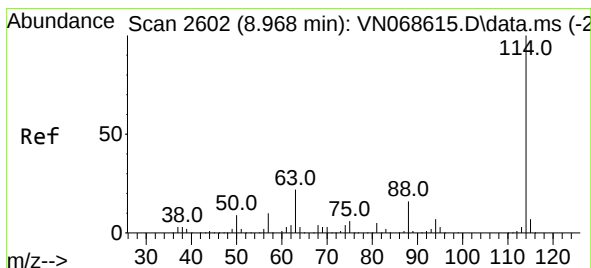
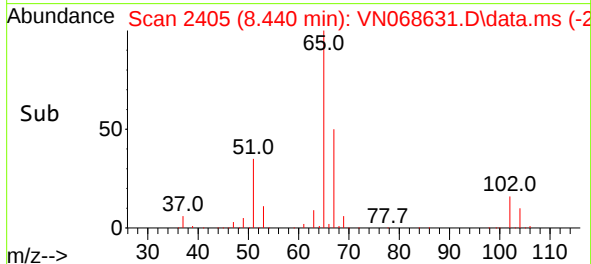
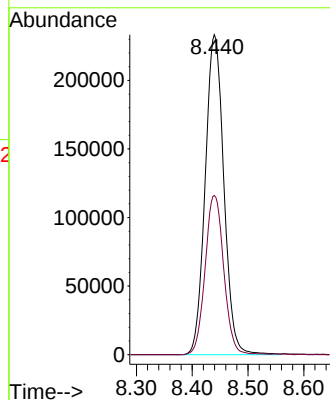
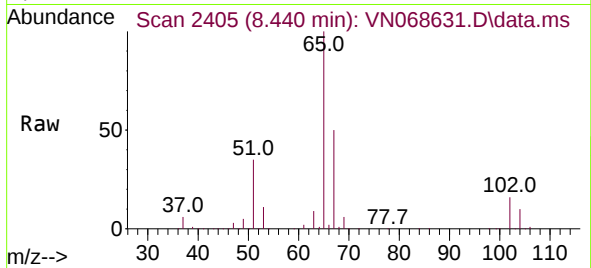




#33
 1,2-Dichloroethane-d4
 Concen: 54.175 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068631.D
 Acq: 23 Sep 2021 19:58

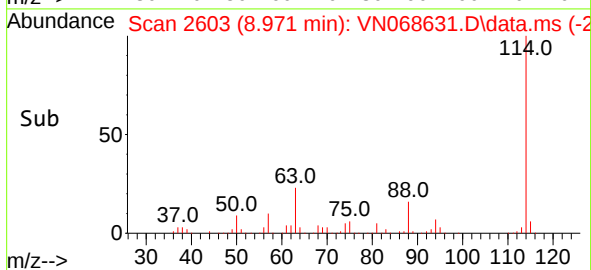
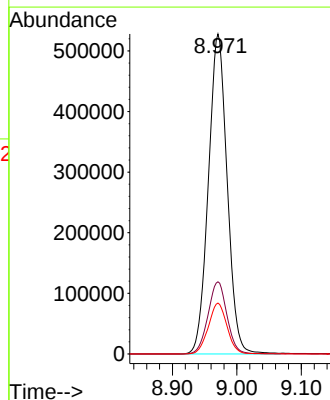
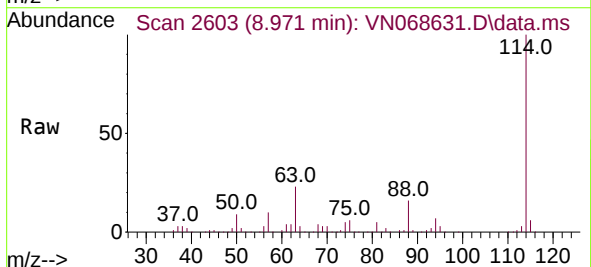
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 MSVOA_N
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 FB02-BL

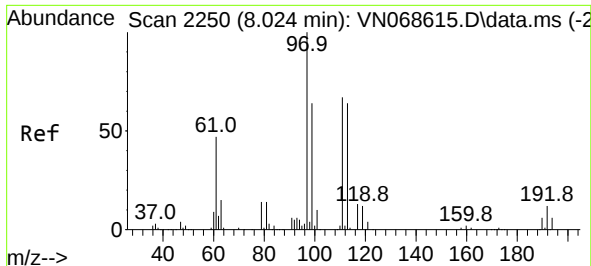
Tgt Ion: 65 Resp: 542908
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068631.D
 Acq: 23 Sep 2021 19:58

Tgt Ion: 114 Resp: 1071364
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 49.0
 88 15.9 0.0 36.6

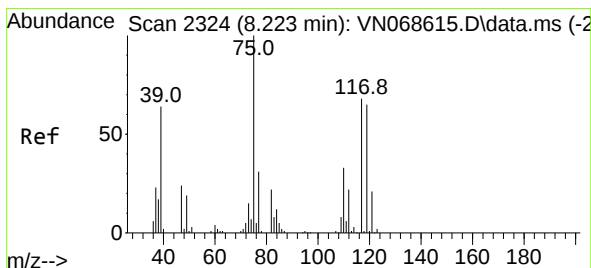
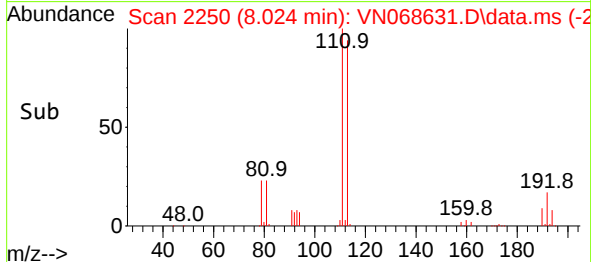
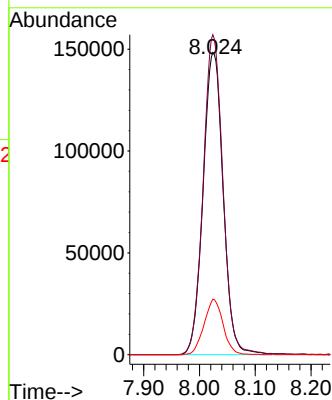
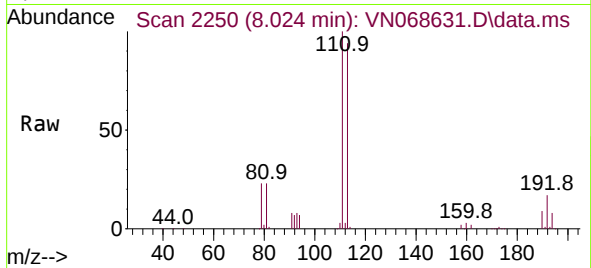




#35
Dibromofluoromethane
Concen: 51.781 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

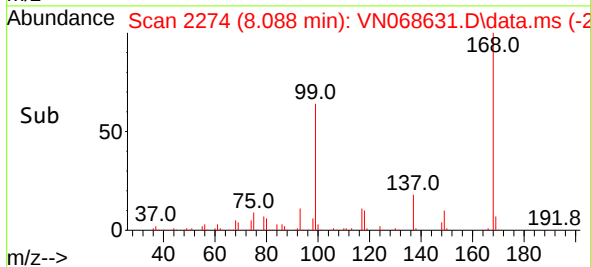
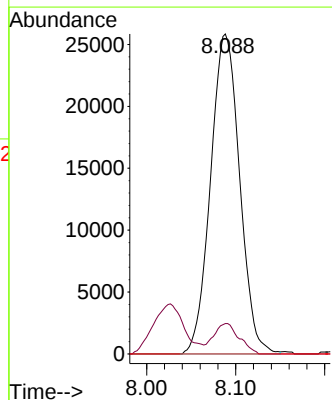
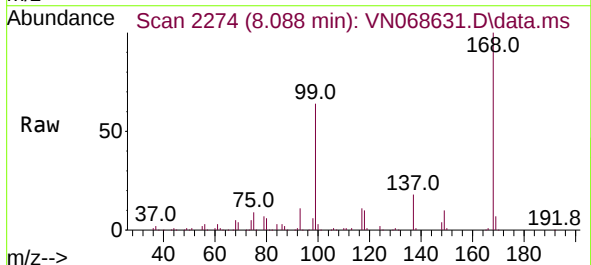
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

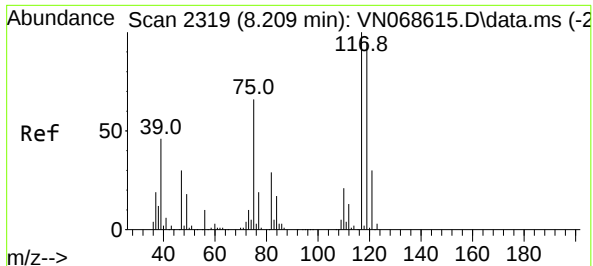
Tgt Ion:113 Resp: 371151
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 17.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.432 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 75 Resp: 58777
Ion Ratio Lower Upper
75 100
110 8.4 15.7 47.0#
77 0.0 24.6 37.0#

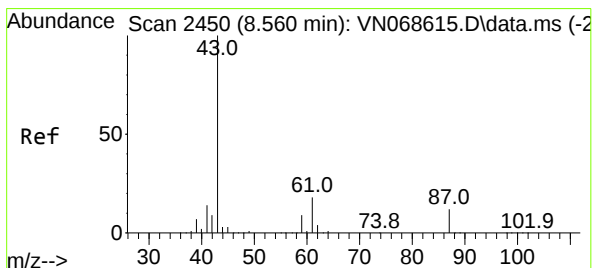
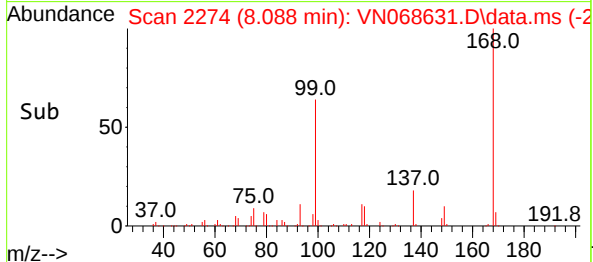
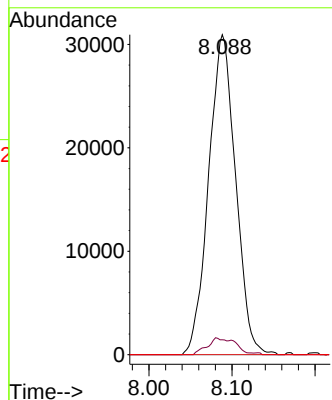
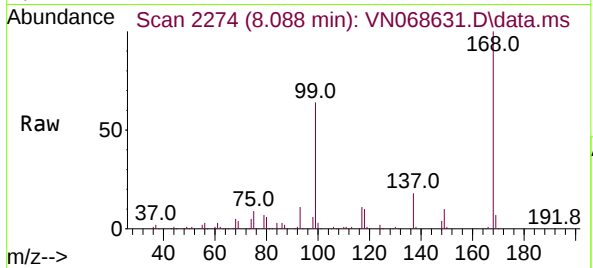




#38
Carbon Tetrachloride
Concen: 6.249 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

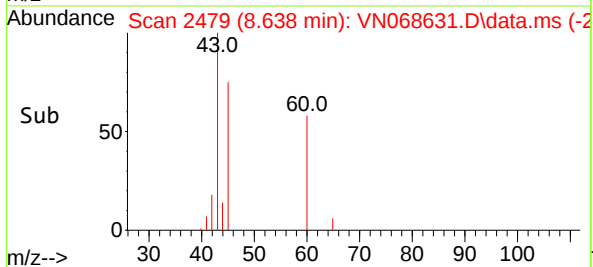
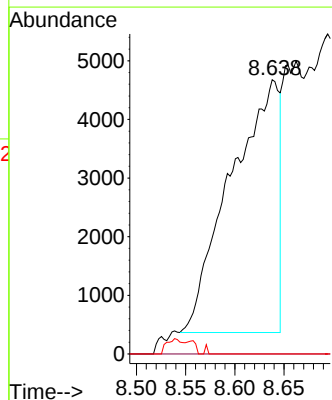
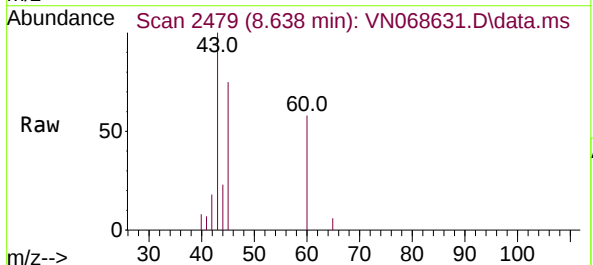
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

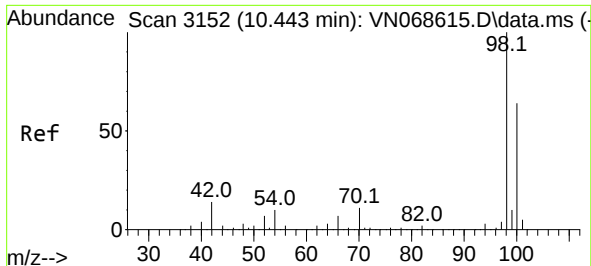
Tgt Ion:117 Resp: 69844
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.703 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.078 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 43 Resp: 14783
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

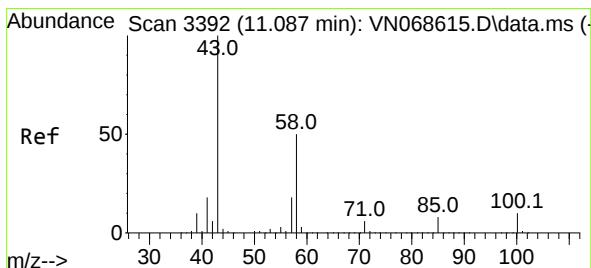
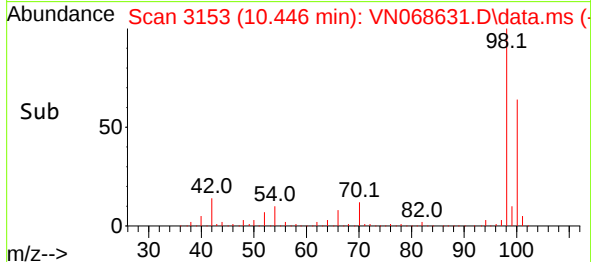
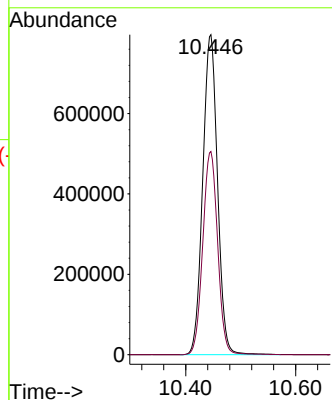
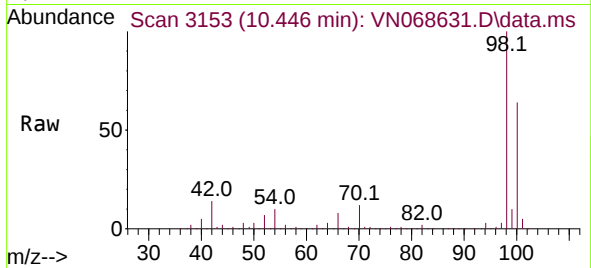




#50
Toluene-d8
Concen: 48.920 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

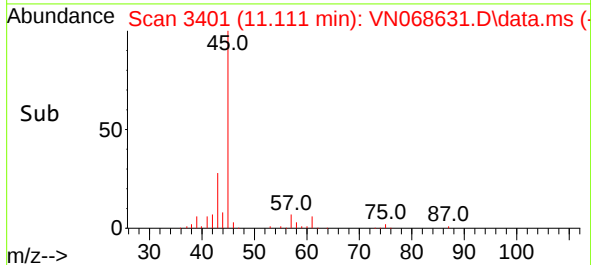
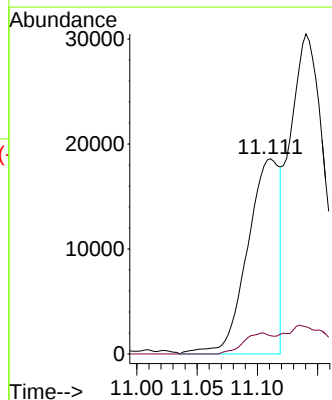
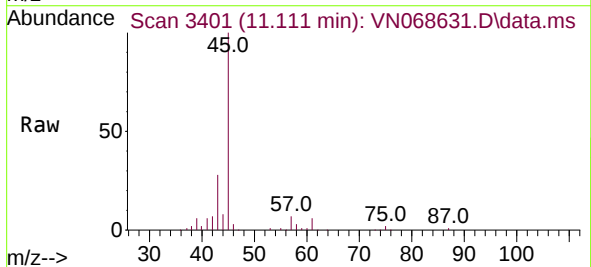
Instrument :
MSVOA_N
ClientSampled :
FB02-BL

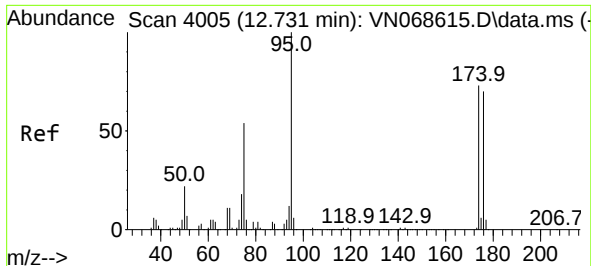
Tgt Ion: 98 Resp: 1486432
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#59
2-Hexanone
Concen: 3.782 ug/l
RT: 11.111 min Scan# 3401
Delta R.T. 0.024 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 43 Resp: 34563
Ion Ratio Lower Upper
43 100
58 9.5 24.7 74.1#

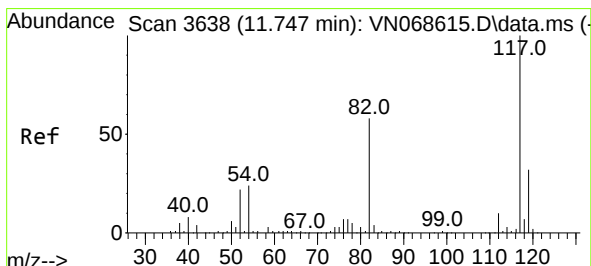
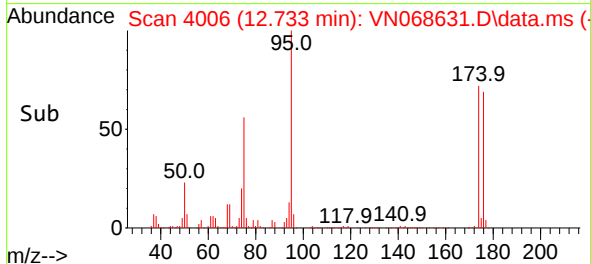
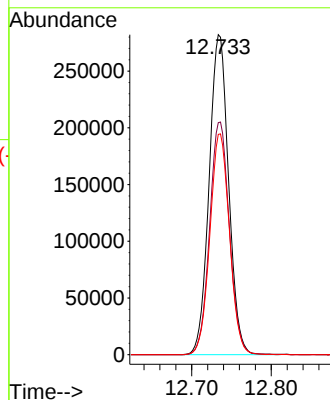
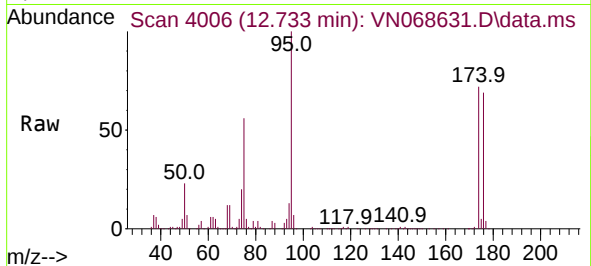




#62
4-Bromofluorobenzene
Concen: 46.183 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

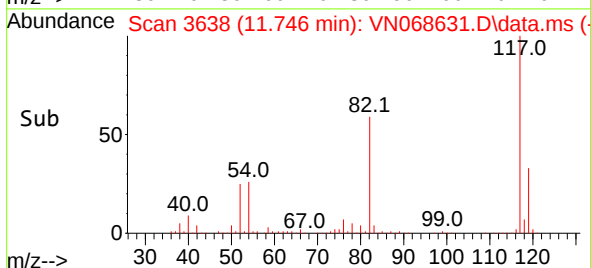
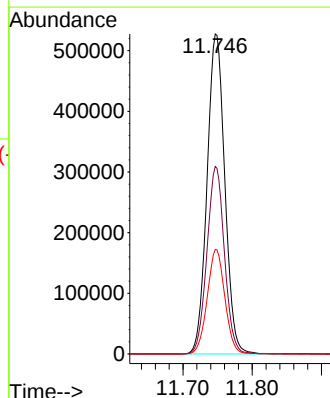
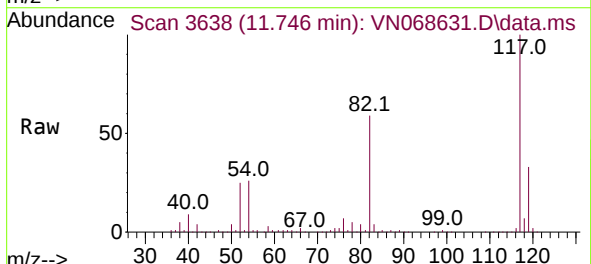
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

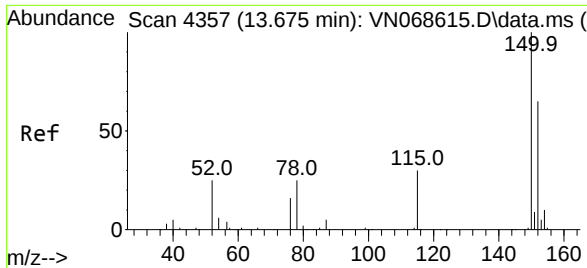
Tgt Ion: 95 Resp: 479923
Ion Ratio Lower Upper
95 100
174 73.9 0.0 122.0
176 69.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion: 117 Resp: 939066
Ion Ratio Lower Upper
117 100
82 58.6 53.1 79.7
119 32.7 25.5 38.3

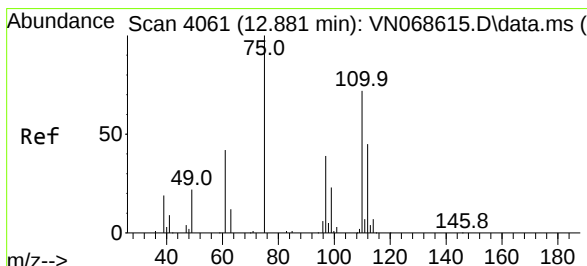
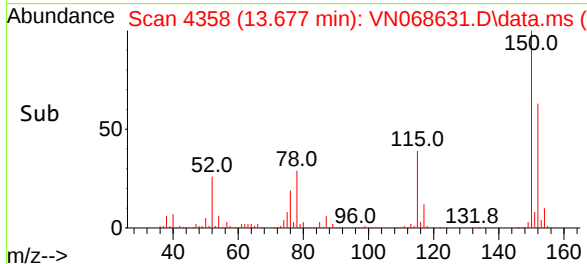
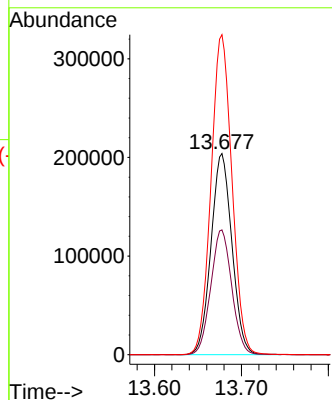
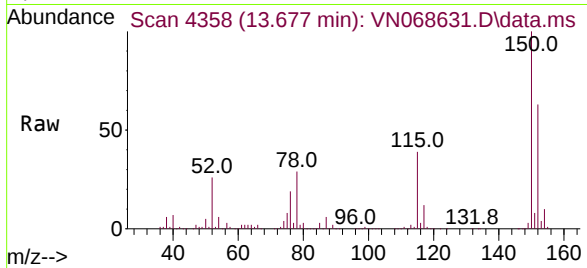




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN068631.D
 Acq: 23 Sep 2021 19:58

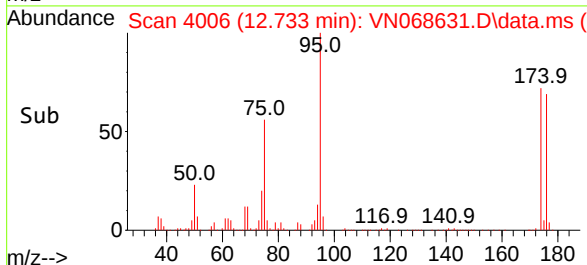
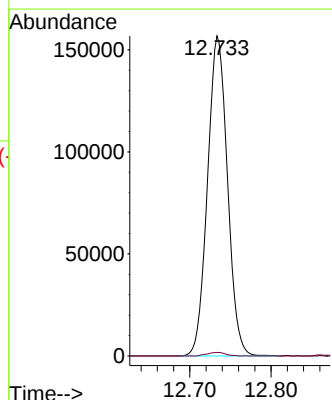
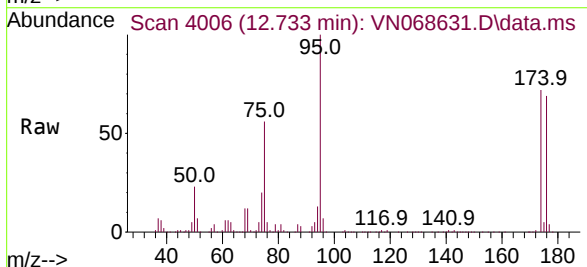
Instrument :
 MSVOA_N
 ClientSampleId :
 FB02-BL

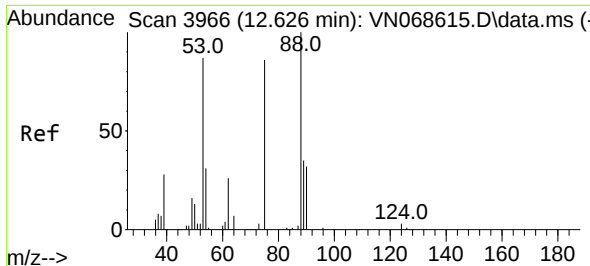
Tgt Ion:152 Resp: 341243
 Ion Ratio Lower Upper
 152 100
 115 62.1 36.1 108.5
 150 159.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 31.669 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN068631.D
 Acq: 23 Sep 2021 19:58

Tgt Ion: 75 Resp: 267204
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

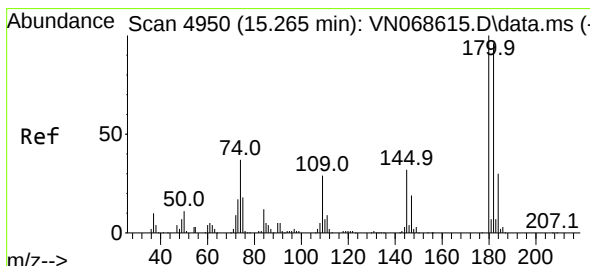
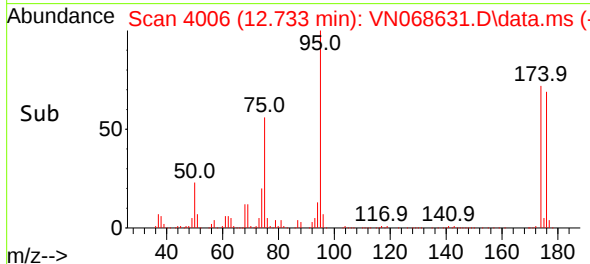
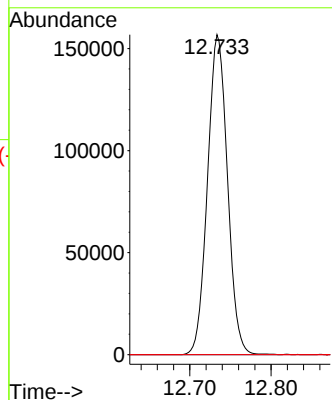
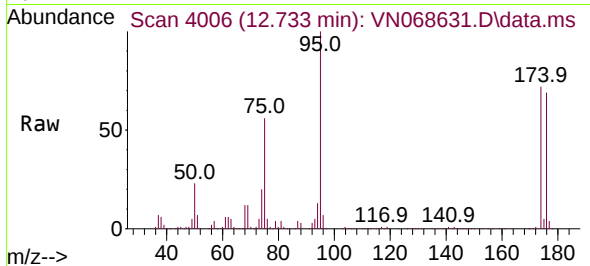




#81
trans-1,4-Dichloro-2-butene
Concen: 89.456 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

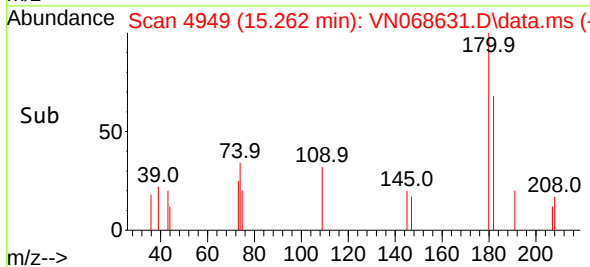
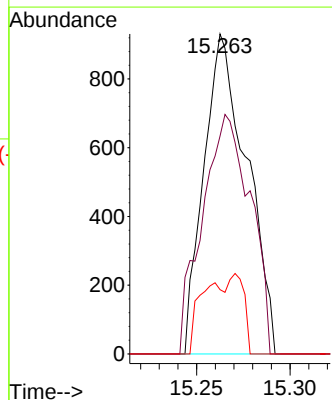
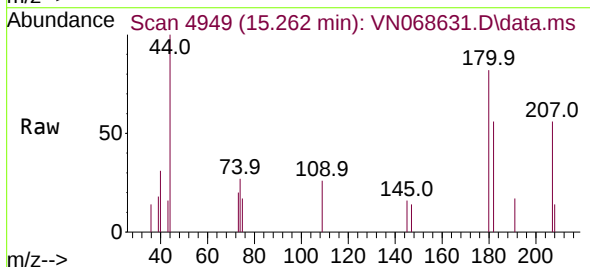
Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

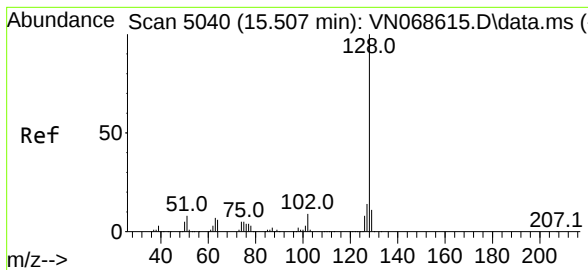
Tgt Ion: 75 Resp: 267204
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Tgt Ion:180 Resp: 1489
Ion Ratio Lower Upper
180 100
182 83.7 47.5 142.5
145 13.8 17.2 51.6#





#95
Naphthalene
Concen: 1.973 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068631.D
Acq: 23 Sep 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :
FB02-BL

Tgt Ion:128 Resp: 6396
Ion Ratio Lower Upper
128 100
127 14.8 10.6 15.8
129 4.5 8.6 12.8#

