

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068246.D
 Acq On : 20 Aug 2021 15:37
 Operator : JC/MD
 Sample : M3503-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 23:58:53 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

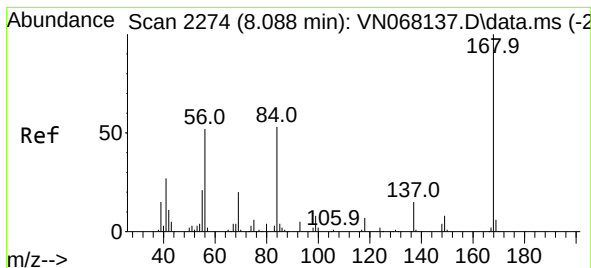
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	460881	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	761134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	748062	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	282666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	262802	53.405	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.800%	
35) Dibromofluoromethane	8.024	113	243985	51.058	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.120%	
50) Toluene-d8	10.443	98	936230	51.418	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.840%	
62) 4-Bromofluorobenzene	12.733	95	296203	48.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	3724	1.020	ug/l	97
5) Bromomethane	2.853	94	116	Below Cal	#	74
9) 1,1,2-Trichlorotrifluo...	4.199	101	13685	3.522	ug/l	# 84
12) 1,1-Dichloroethene	4.170	96	1561	0.418	ug/l	# 60
16) Acetone	4.293	43	1017	0.708	ug/l	# 48
18) Methyl Acetate	4.857	43	1165	Below Cal	#	79
20) Methylene Chloride	5.093	84	402	Below Cal	#	21
30) Chloroform	7.820	83	4583	0.552	ug/l	89
31) Cyclohexane	8.086	56	8403	1.296	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	30096	4.837	ug/l	# 53
38) Carbon Tetrachloride	8.206	117	6279	0.875	ug/l	# 86
43) Isopropyl Acetate	8.625	43	2565	0.302	ug/l	# 58
44) Trichloroethene	9.220	130	58741	10.286	ug/l	78
49) 1,4-Dioxane	9.585	88	466	5.449	ug/l	# 48
59) 2-Hexanone	11.095	43	848	0.234	ug/l	# 47
76) 1,2,3-Trichloropropane	12.736	75	151437	32.233	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	151437	105.601	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	96	2.704	ug/l	# 1
95) Naphthalene	15.507	128	2280	3.536	ug/l	# 72
96) 1,2,3-Trichlorobenzene	15.705	180	374	2.910	ug/l	# 83

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

Quant Time: Aug 20 23:58:53 2021
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QLast Update : Tue Aug 17 13:09:49 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: VN068246.D

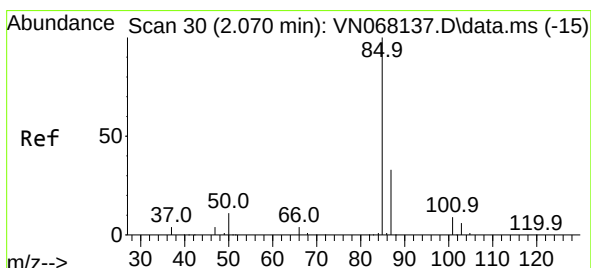
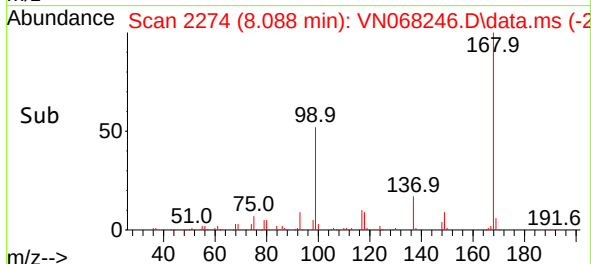
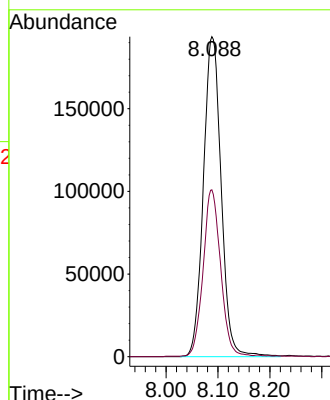
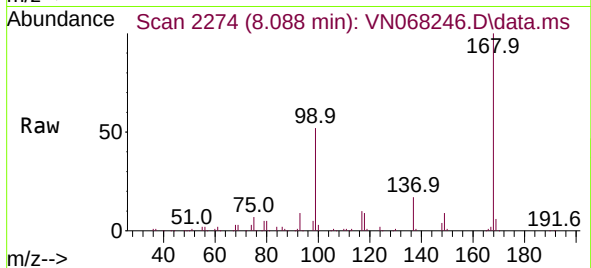
Acq: 20 Aug 2021 15:37

Tgt Ion:168 Resp: 460881

Ion Ratio Lower Upper

168 100

99 52.0 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 1.020 ug/l

RT: 2.073 min Scan# 31

Delta R.T. 0.003 min

Lab File: VN068246.D

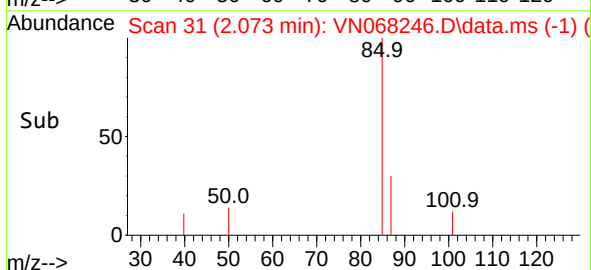
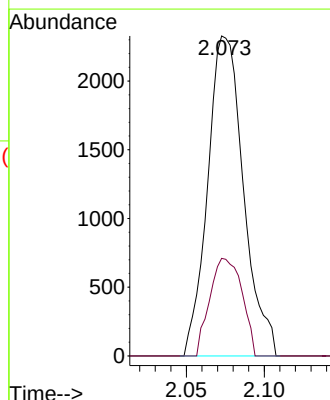
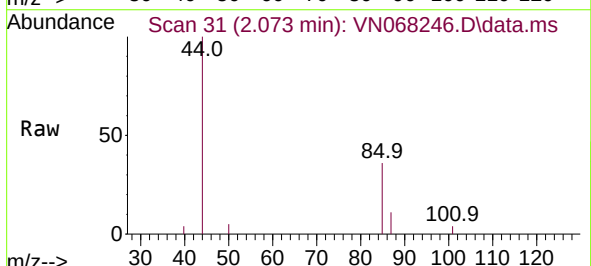
Acq: 20 Aug 2021 15:37

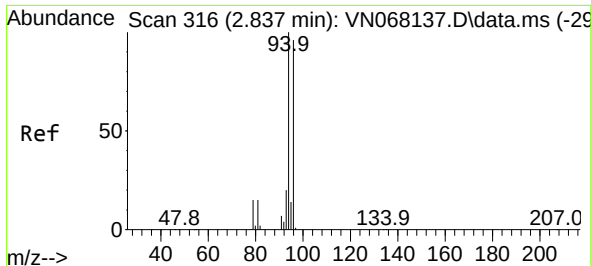
Tgt Ion: 85 Resp: 3724

Ion Ratio Lower Upper

85 100

87 30.5 16.1 48.2

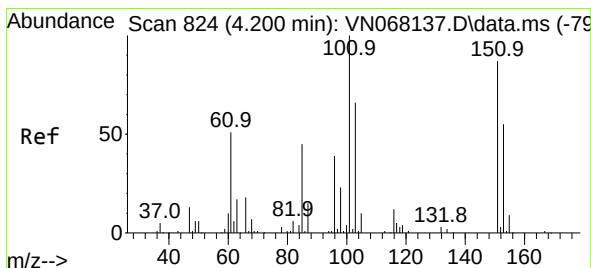
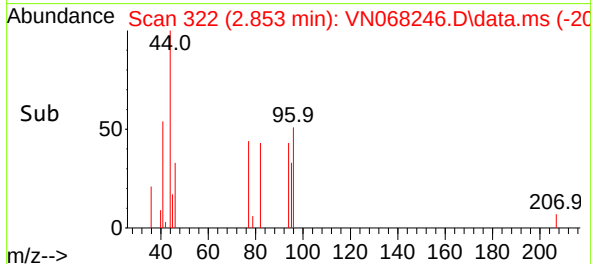
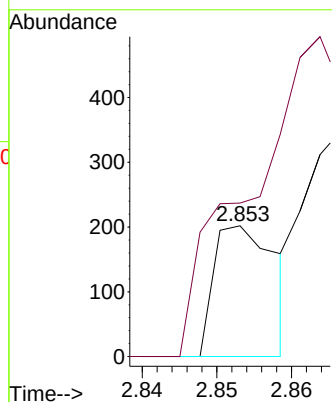
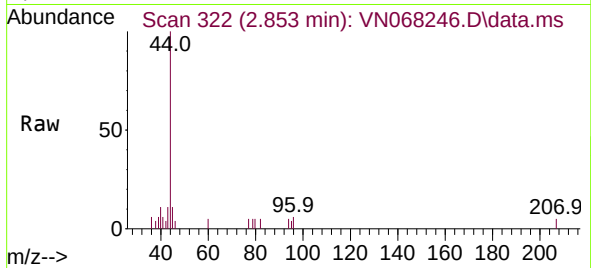




#5
Bromomethane
Concen: Below Cal
RT: 2.853 min Scan# 322
Delta R.T. 0.016 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

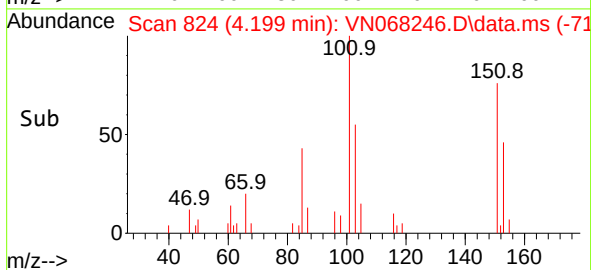
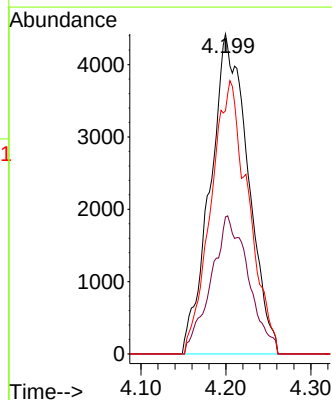
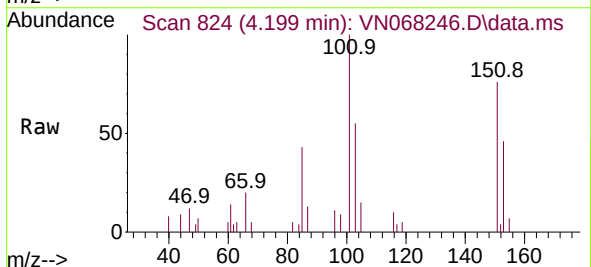
Instrument :
MSVOA_N
ClientSampled :

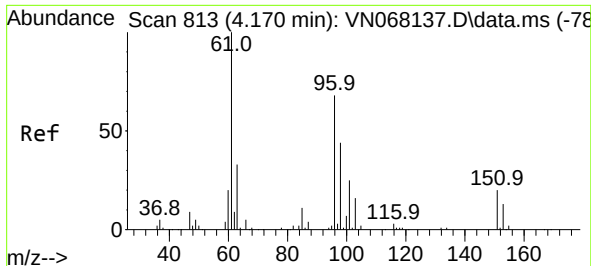
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 117.3 73.7 110.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.522 ug/l
RT: 4.199 min Scan# 824
Delta R.T. -0.001 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 101 Resp: 13685
Ion Ratio Lower Upper
101 100
85 42.8 39.6 59.4
151 84.5 54.1 81.1#

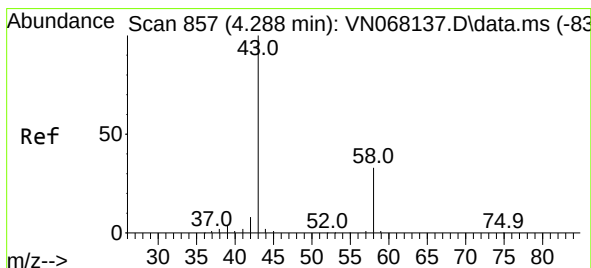
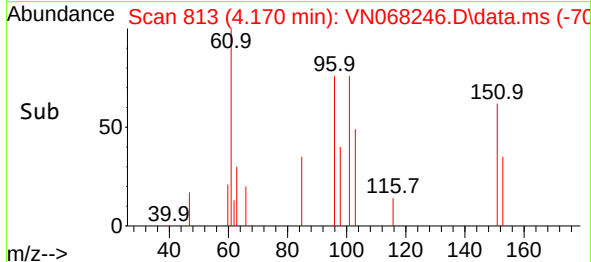
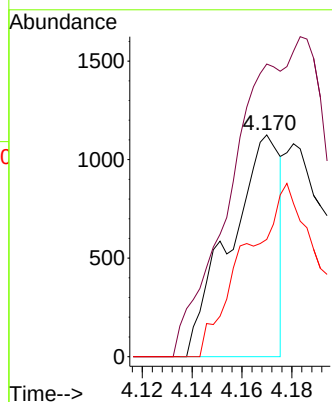
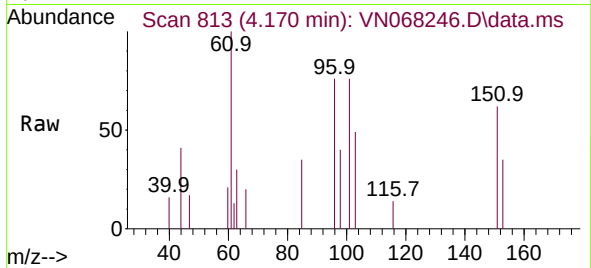




#12
1,1-Dichloroethene
Concen: 0.418 ug/l
RT: 4.170 min Scan# 813
Delta R.T. -0.000 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

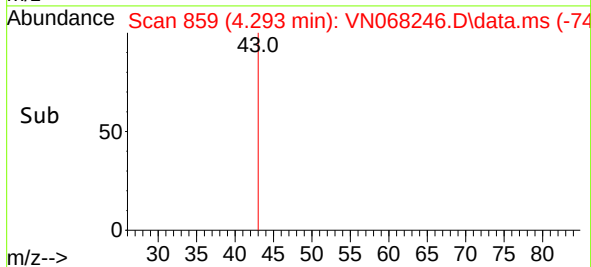
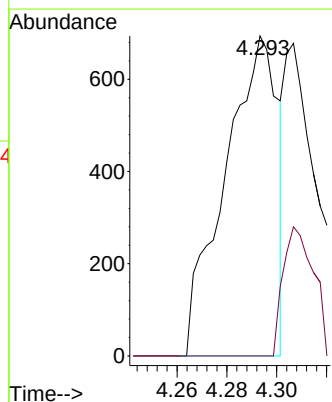
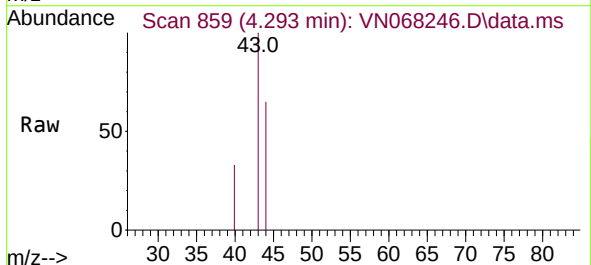
Instrument :
MSVOA_N
ClientSampled :

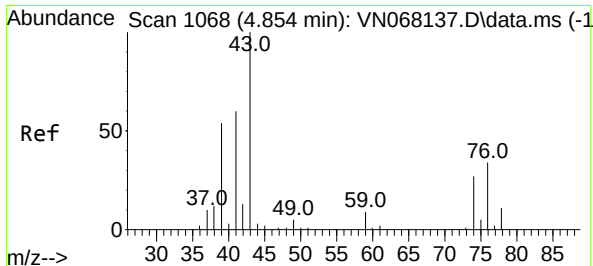
Tgt Ion: 96 Resp: 1561
Ion Ratio Lower Upper
96 100
61 118.1 152.6 229.0#
98 52.9 50.9 76.3



#16
Acetone
Concen: 0.708 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.857 min Scan# 1069

Delta R.T. 0.003 min

Lab File: VN068246.D

Acq: 20 Aug 2021 15:37

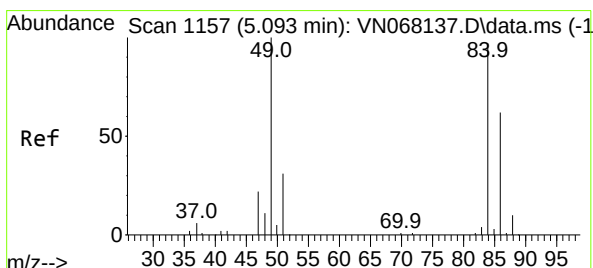
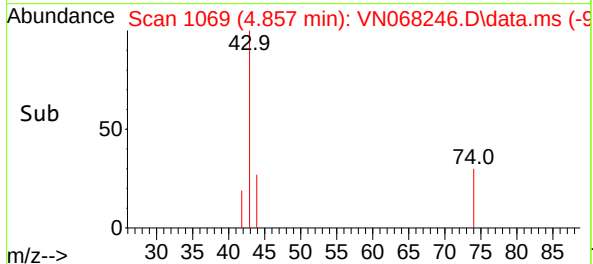
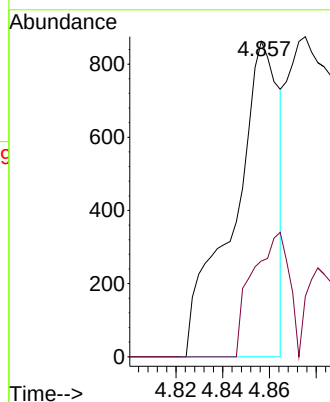
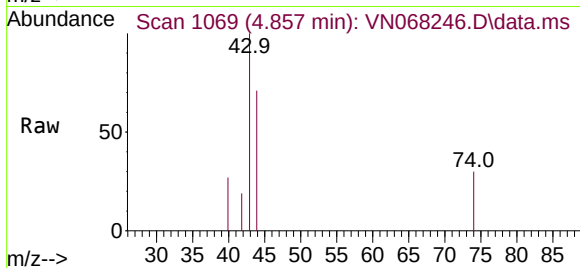
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 1165

Ion Ratio Lower Upper

43 100

74 31.5 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.093 min Scan# 1157

Delta R.T. -0.000 min

Lab File: VN068246.D

Acq: 20 Aug 2021 15:37

Tgt Ion: 84 Resp: 402

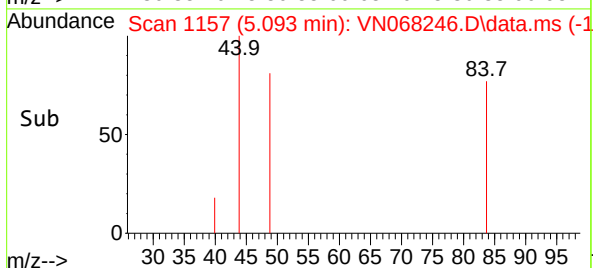
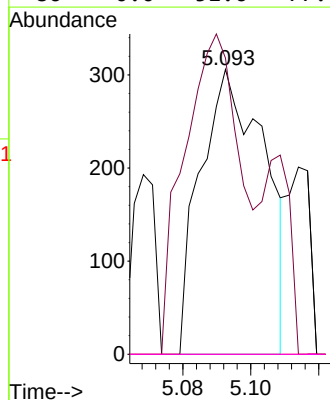
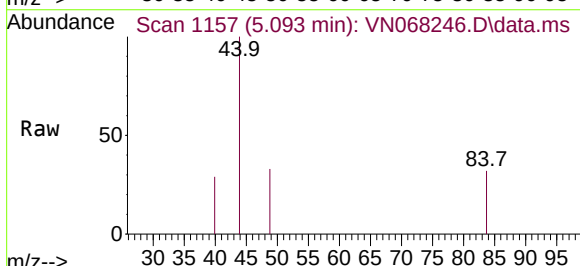
Ion Ratio Lower Upper

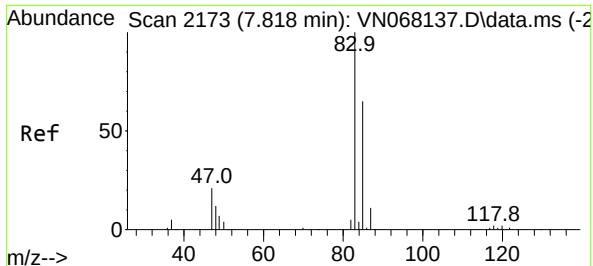
84 100

49 40.5 110.9 166.3#

51 0.0 32.6 49.0#

86 0.0 51.6 77.4#





#30

Chloroform

Concen: 0.552 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.002 min

Lab File: VN068246.D

Acq: 20 Aug 2021 15:37

Tgt Ion: 83 Resp: 4583

Ion Ratio Lower Upper

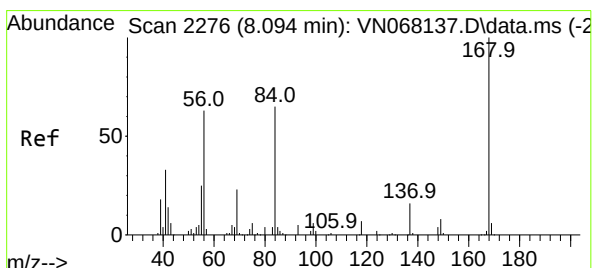
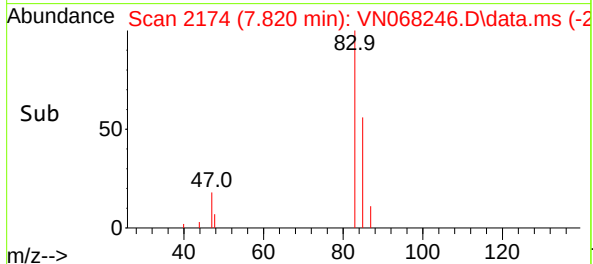
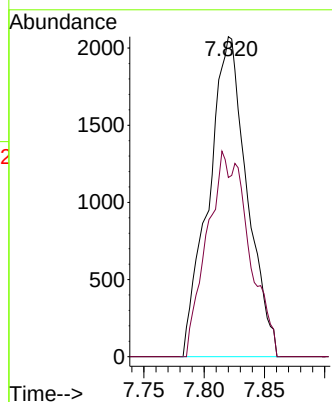
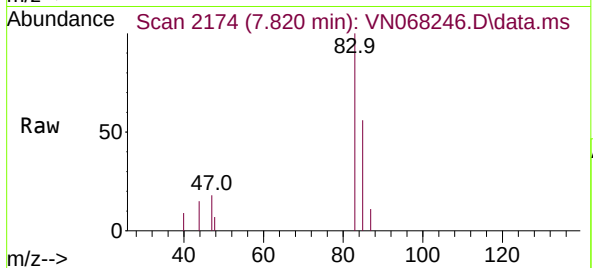
83 100

85 56.0 51.5 77.3

Instrument :

MSVOA_N

ClientSampled :



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN068246.D

Acq: 20 Aug 2021 15:37

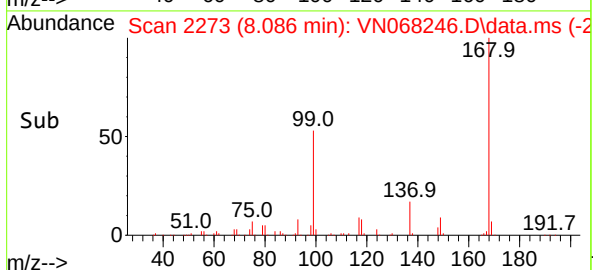
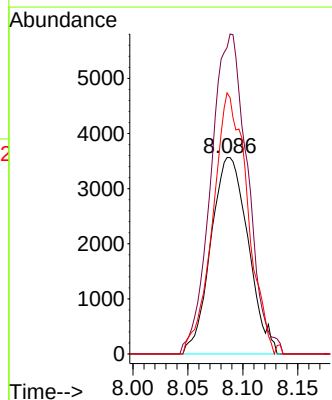
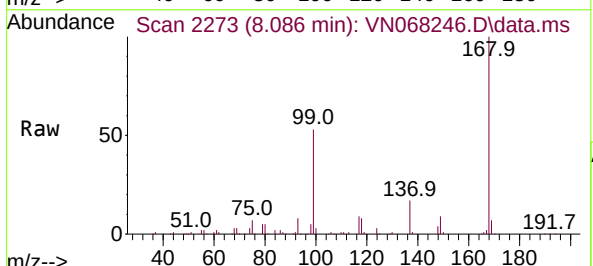
Tgt Ion: 56 Resp: 8403

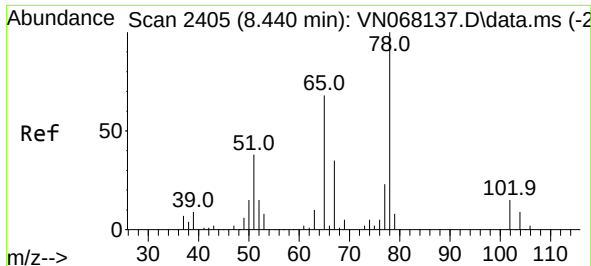
Ion Ratio Lower Upper

56 100

69 155.9 27.3 40.9#

84 132.9 64.9 97.3#

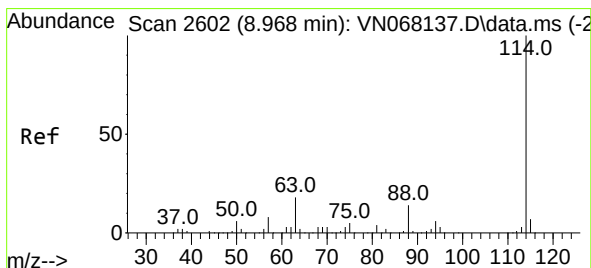
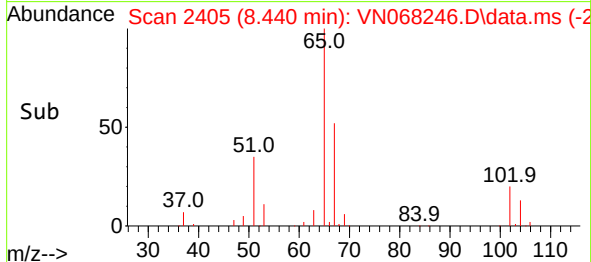
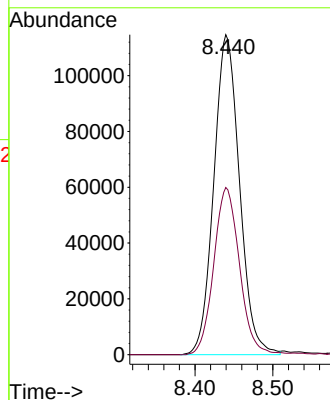
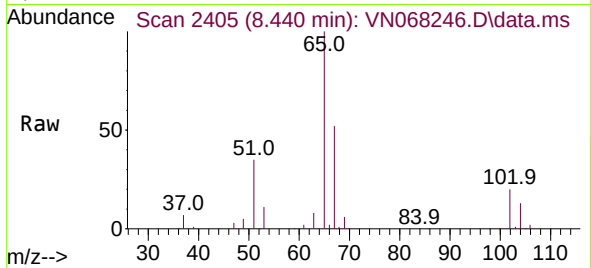




#33
 1,2-Dichloroethane-d4
 Concen: 53.405 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068246.D
 Acq: 20 Aug 2021 15:37

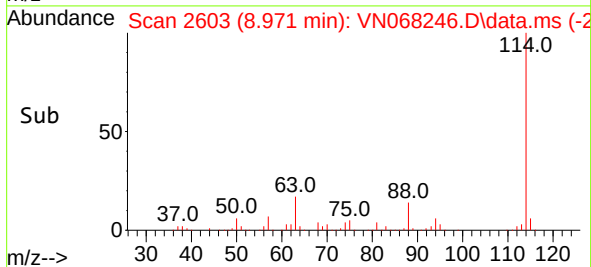
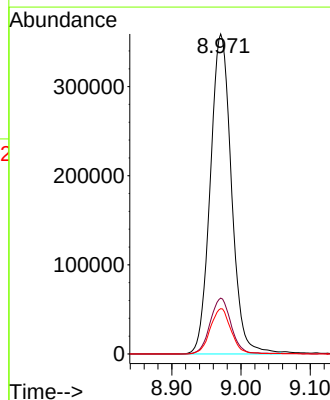
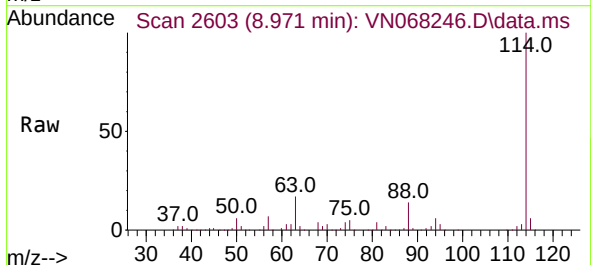
Instrument :
 MSVOA_N
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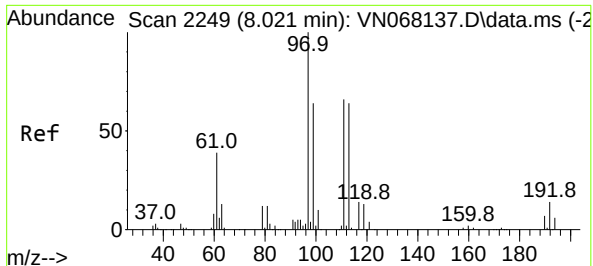
Tgt Ion: 65 Resp: 262802
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068246.D
 Acq: 20 Aug 2021 15:37

Tgt Ion: 114 Resp: 761134
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 14.2 0.0 36.6

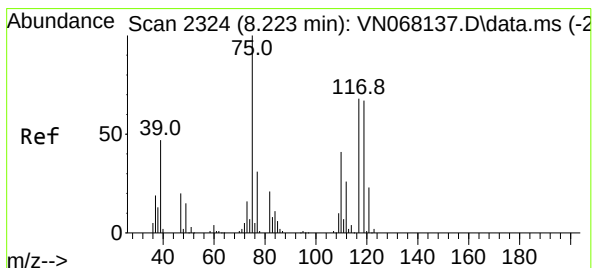
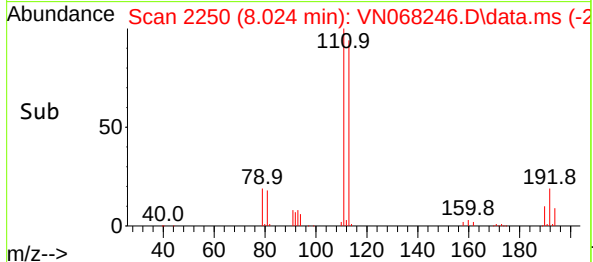
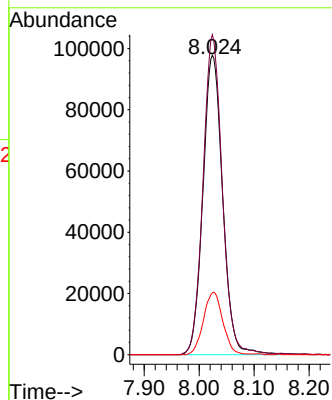
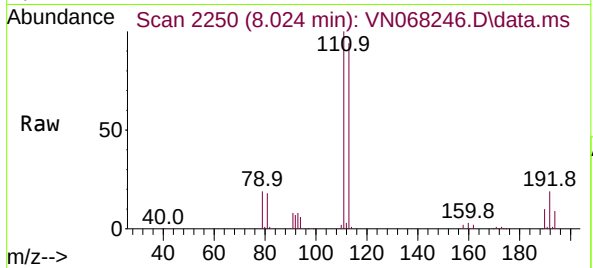




#35
Dibromofluoromethane
Concen: 51.058 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

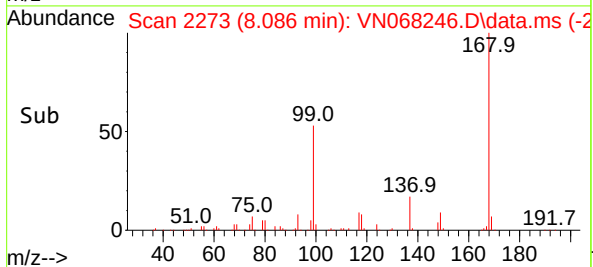
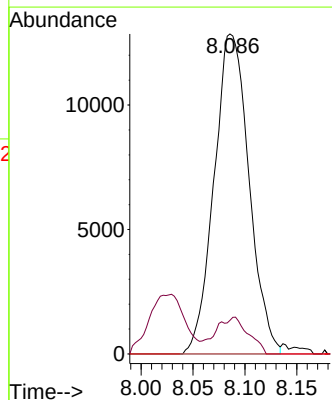
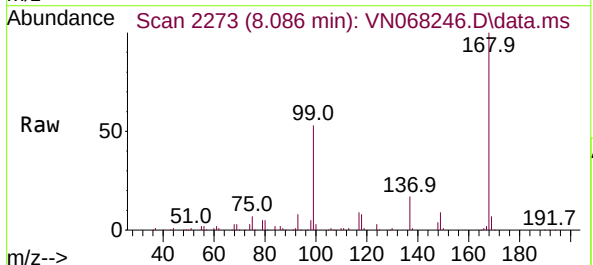
Instrument :
MSVOA_N
ClientSampled :

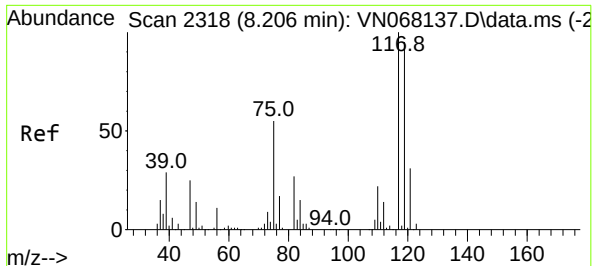
Tgt Ion:113 Resp: 243985
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.837 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 75 Resp: 30096
Ion Ratio Lower Upper
75 100
110 10.2 15.7 47.0#
77 0.0 24.6 37.0#

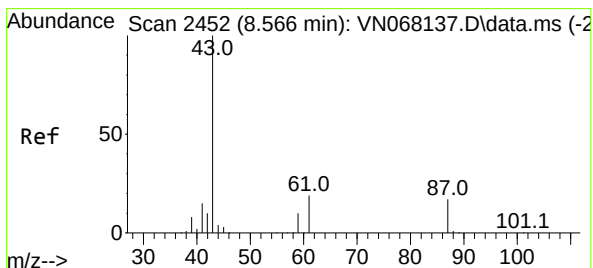
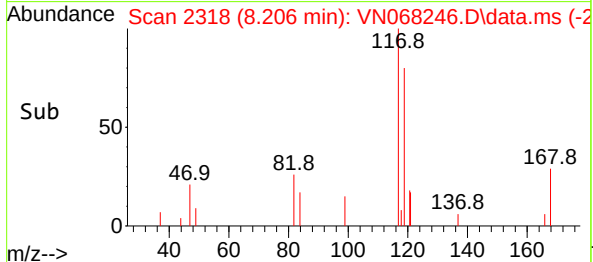
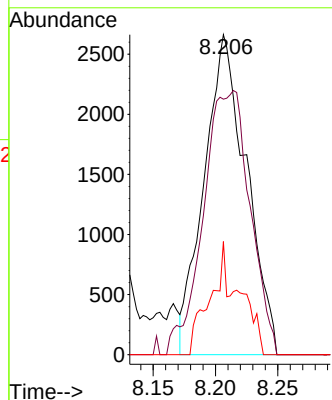
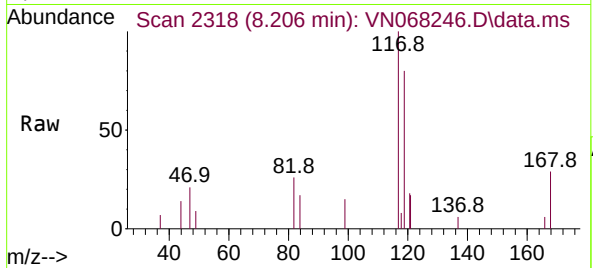




#38
Carbon Tetrachloride
Concen: 0.875 ug/l
RT: 8.206 min Scan# 2318
Delta R.T. 0.000 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

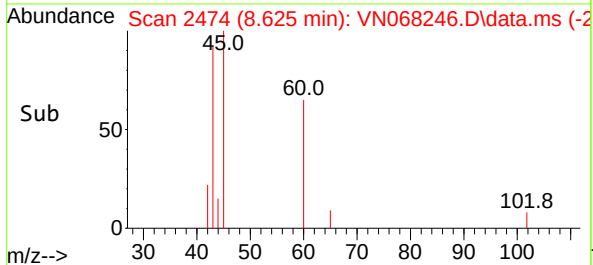
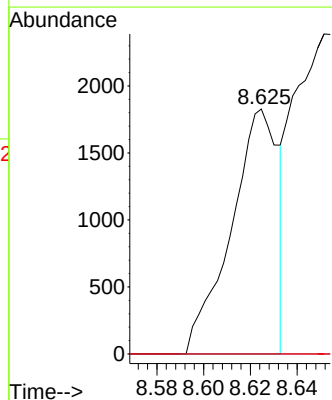
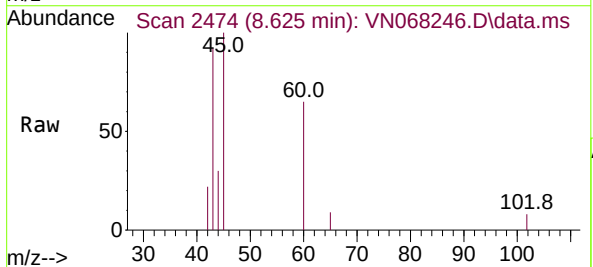
Instrument :
MSVOA_N
ClientSampled :

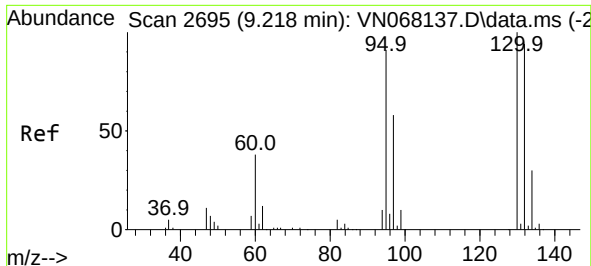
Tgt Ion:117 Resp: 6279
Ion Ratio Lower Upper
117 100
119 79.9 75.4 113.2
121 35.3 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.302 ug/l
RT: 8.625 min Scan# 2474
Delta R.T. 0.059 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 43 Resp: 2565
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

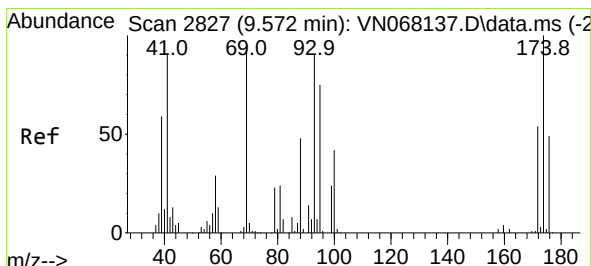
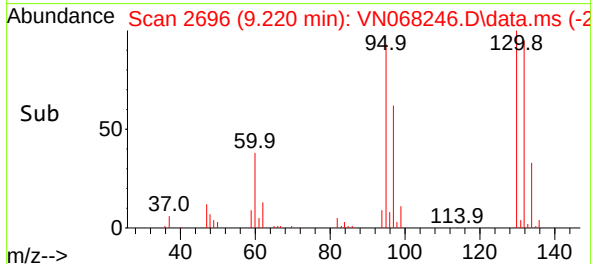
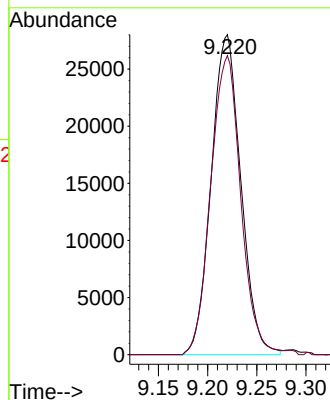
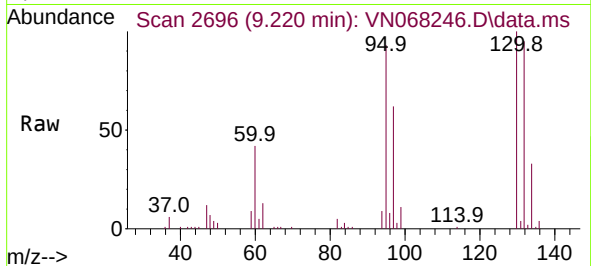




#44
Trichloroethene
Concen: 10.286 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

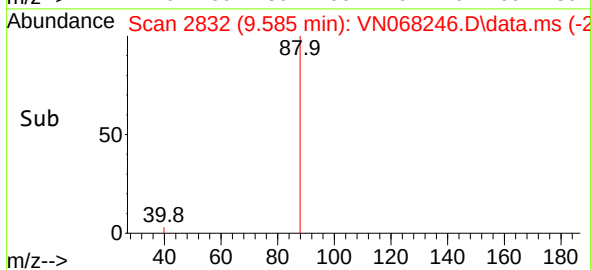
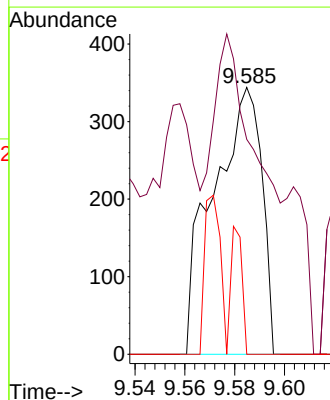
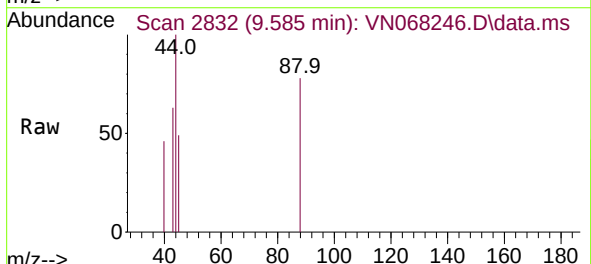
Instrument :
MSVOA_N
ClientSampled :

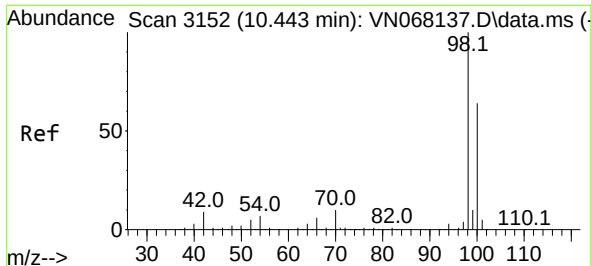
Tgt Ion:130 Resp: 58741
Ion Ratio Lower Upper
130 100
95 93.4 0.0 234.4



#49
1,4-Dioxane
Concen: 5.449 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.013 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 88 Resp: 466
Ion Ratio Lower Upper
88 100
43 38.4 28.8 43.2
58 10.9 60.4 90.6#

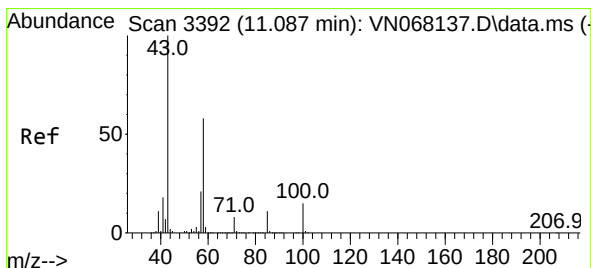
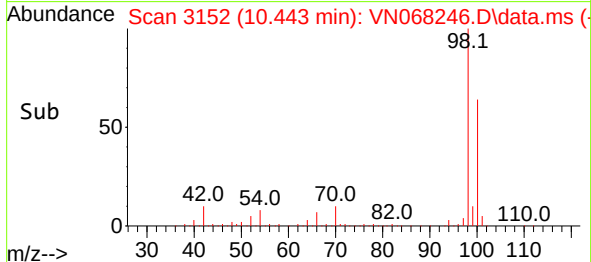
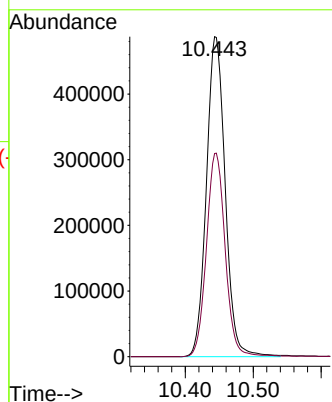
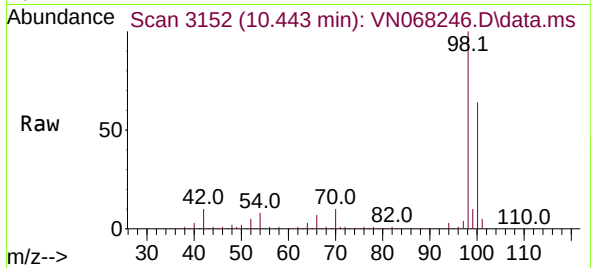




#50
Toluene-d8
Concen: 51.418 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

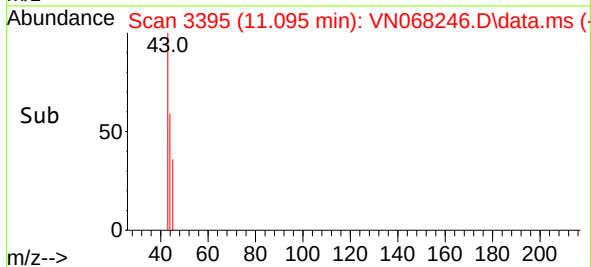
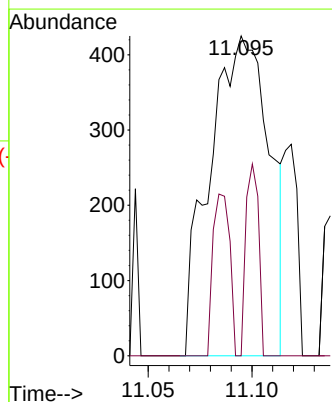
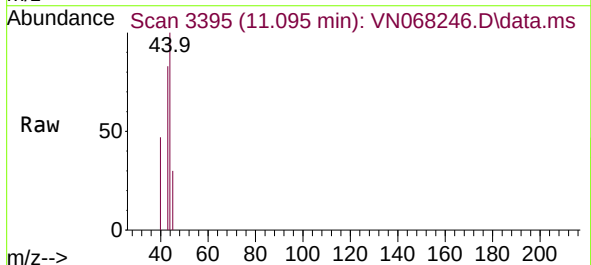
Instrument :
MSVOA_N
ClientSampled :

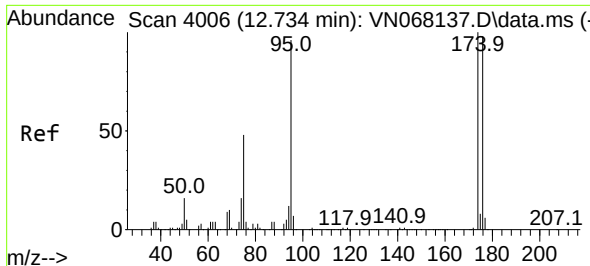
Tgt Ion: 98 Resp: 936230
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 12.9 24.7 74.1#

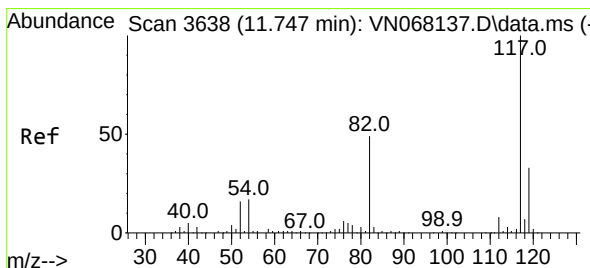
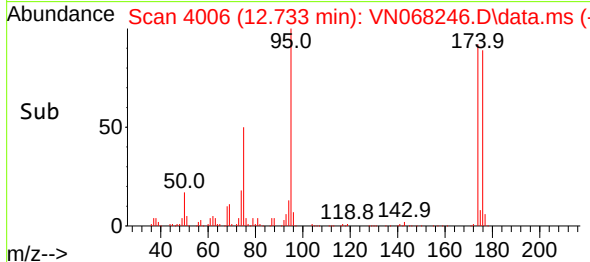
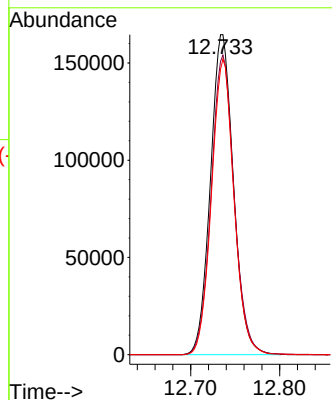
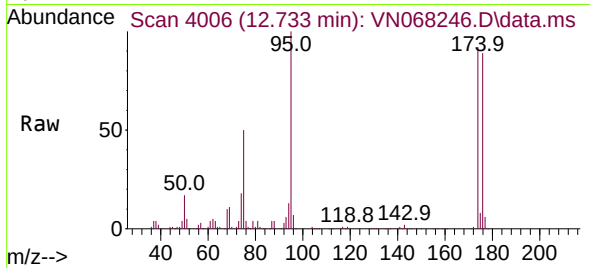




#62
4-Bromofluorobenzene
Concen: 48.867 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

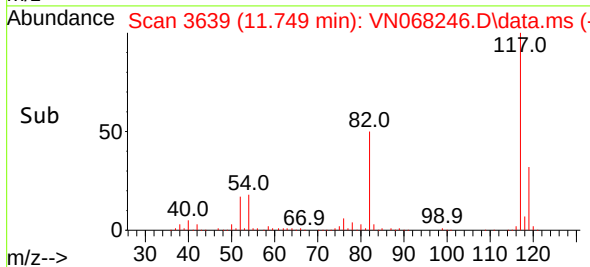
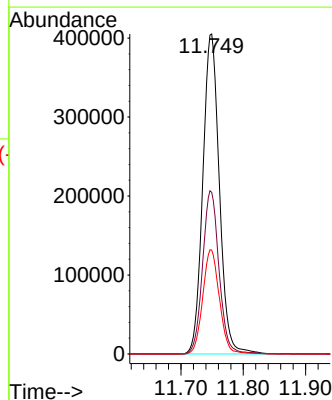
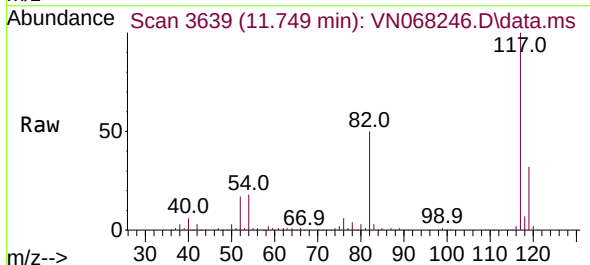
Instrument :
MSVOA_N
ClientSampled :

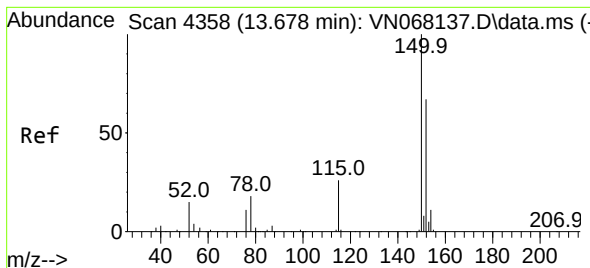
Tgt Ion: 95 Resp: 296203
Ion Ratio Lower Upper
95 100
174 93.5 0.0 122.0
176 90.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion: 117 Resp: 748062
Ion Ratio Lower Upper
117 100
82 50.5 53.1 79.7#
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. -0.000 min

Lab File: VN068246.D

Acq: 20 Aug 2021 15:37

Instrument :

MSVOA_N

ClientSampled :

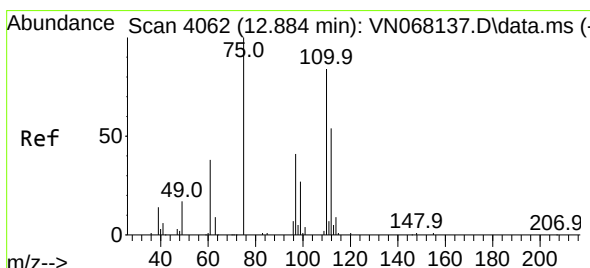
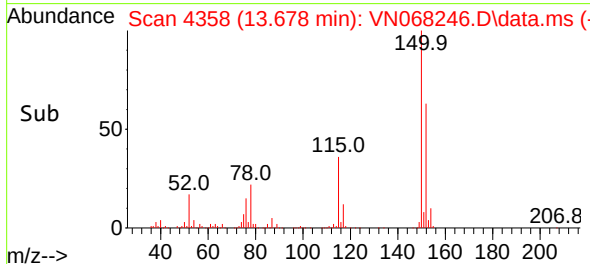
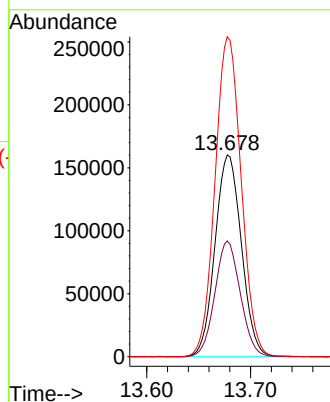
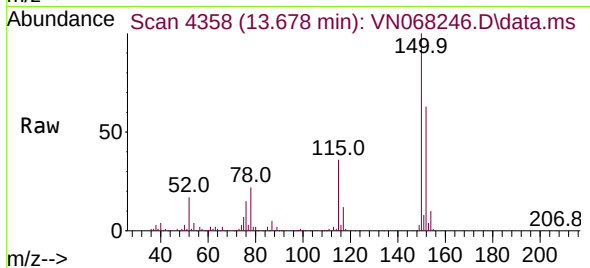
Tgt Ion:152 Resp: 282666

Ion Ratio Lower Upper

152 100

115 55.3 36.1 108.5

150 157.4 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 32.233 ug/l

RT: 12.736 min Scan# 4007

Delta R.T. -0.148 min

Lab File: VN068246.D

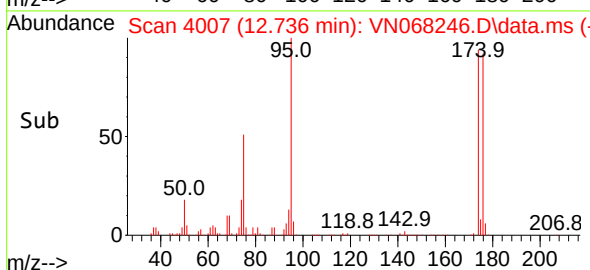
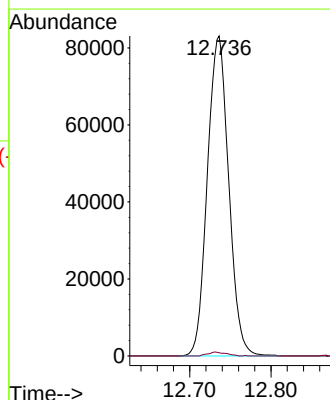
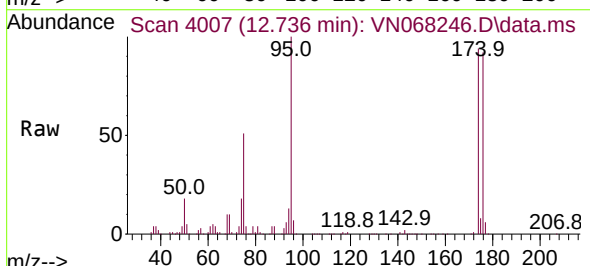
Acq: 20 Aug 2021 15:37

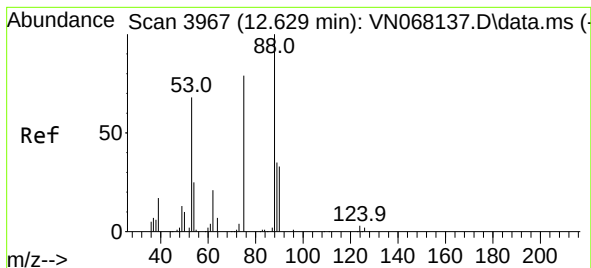
Tgt Ion: 75 Resp: 151437

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

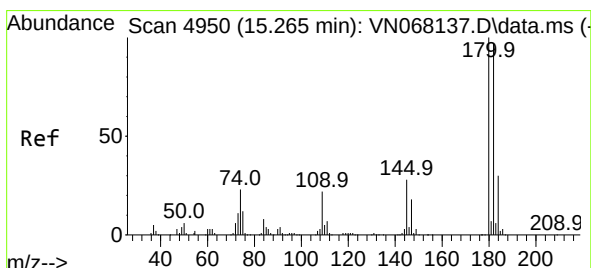
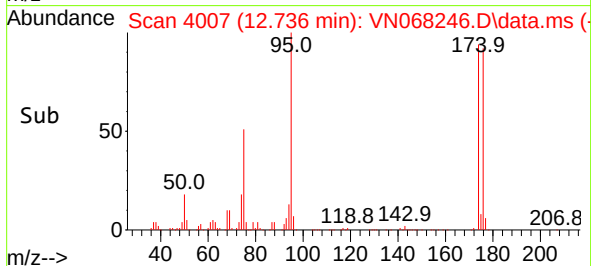
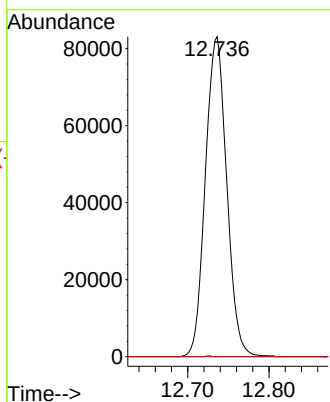
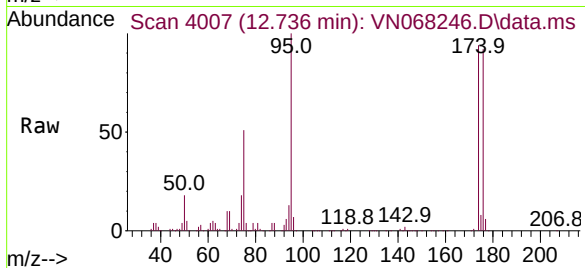




#81
trans-1,4-Dichloro-2-butene
Concen: 105.601 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

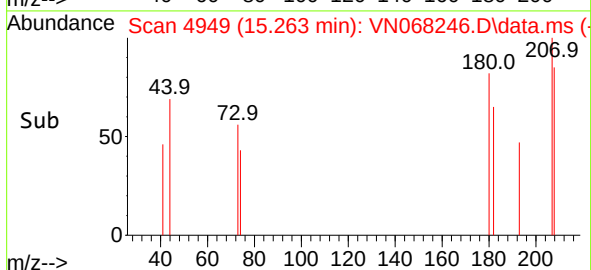
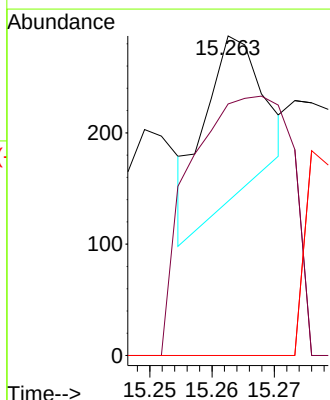
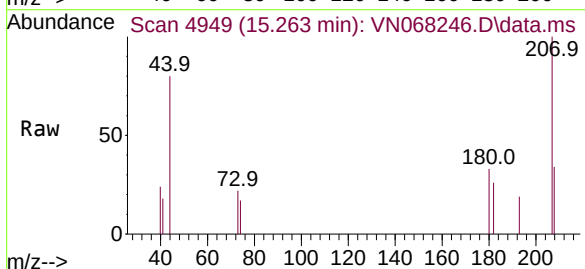
Instrument :
MSVOA_N
ClientSampled :

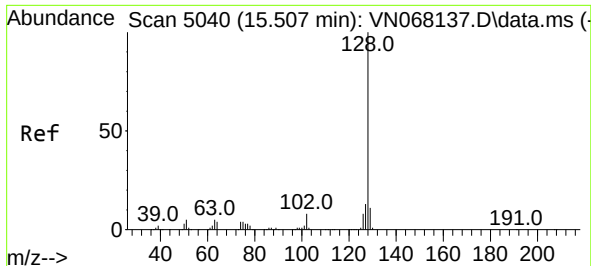
Tgt Ion: 75 Resp: 151437
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.704 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion:180 Resp: 96
Ion Ratio Lower Upper
180 100
182 274.0 47.5 142.5#
145 59.4 17.2 51.6#

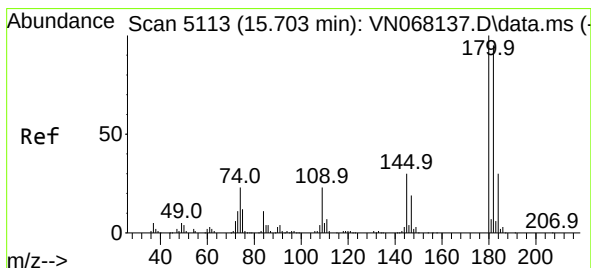
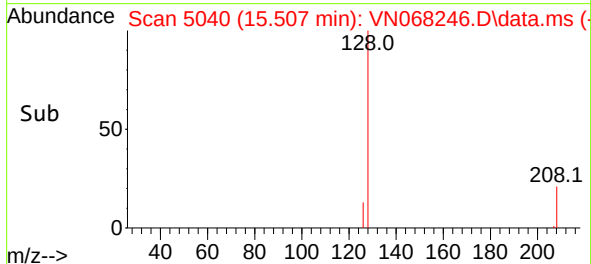
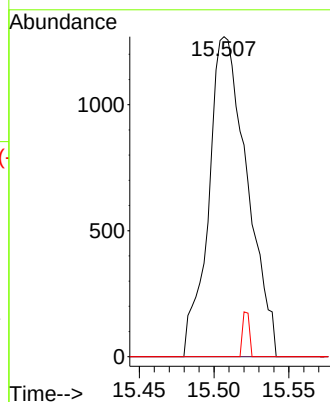
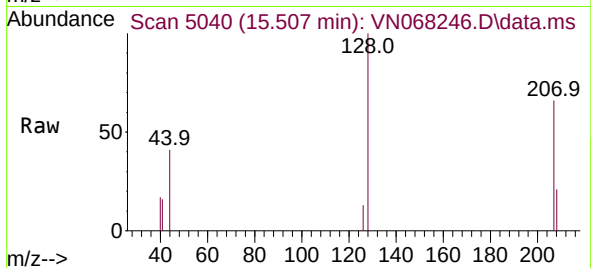




#95
Naphthalene
Concen: 3.536 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 2280
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 2.5 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.910 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068246.D
Acq: 20 Aug 2021 15:37

Tgt Ion:180 Resp: 374
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.3
145 0.0 18.2 54.6#

