

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068764.D
 Acq On : 30 Sep 2021 15:49
 Operator : JC/MD
 Sample : M3915-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:55:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 29 23:31:35 2021
 Response via : Initial Calibration

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

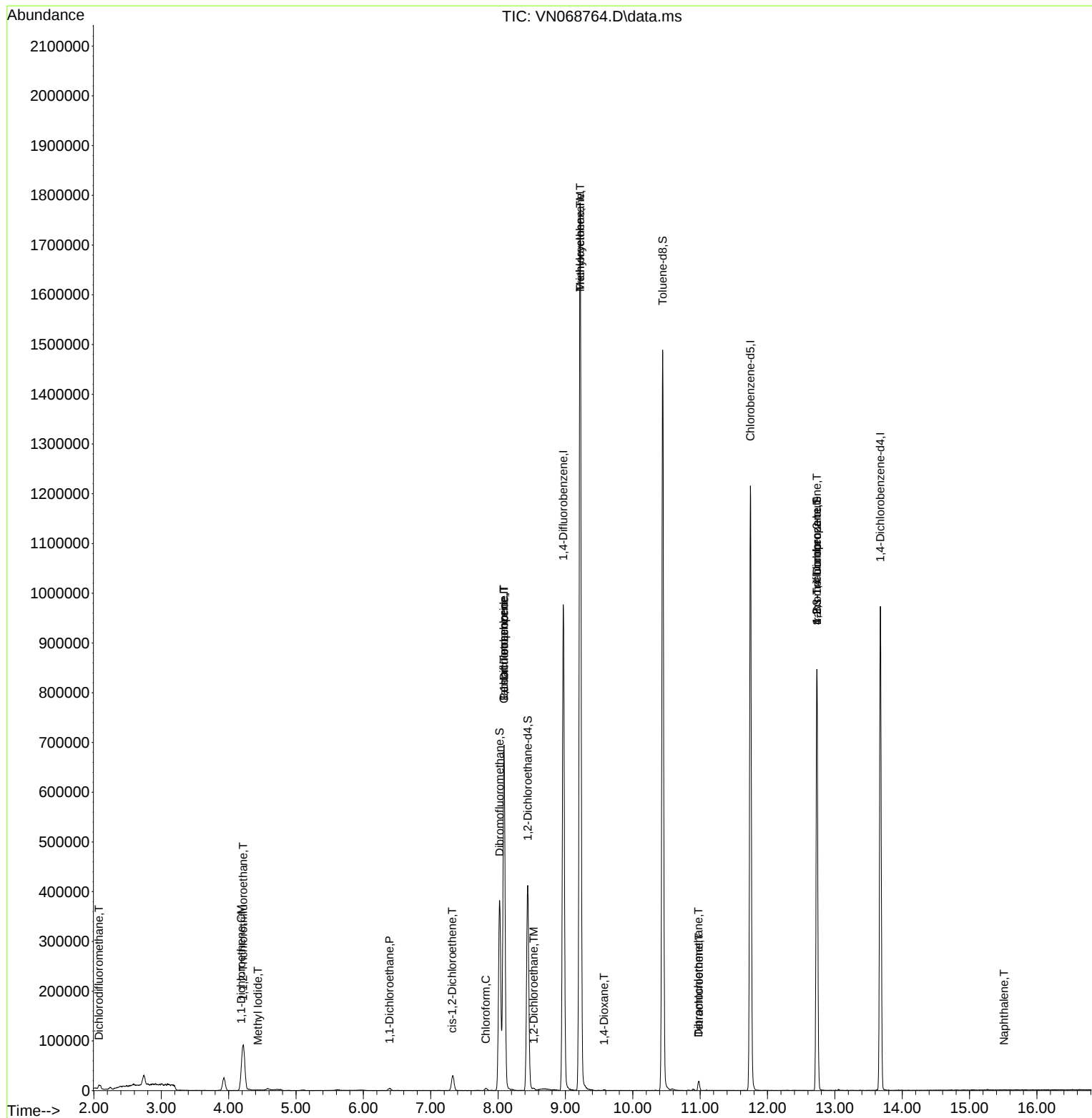
Internal Standards						
1) Pentafluorobenzene	8.088	168	498100	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	859666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	682691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	242401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	345154	49.733	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.460%
35) Dibromofluoromethane	8.024	113	269906	50.532	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.060%
50) Toluene-d8	10.443	98	1021016	52.311	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.620%
62) 4-Bromofluorobenzene	12.733	95	271604	40.047	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	80.100%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.075	85	6350	1.164	ug/l	93
3) Chloromethane	2.303	50	1086	Below Cal	#	80
5) Bromomethane	2.866	94	698	Below Cal	#	64
6) Chloroethane	2.958	64	284	Below Cal	#	44
7) Trichlorofluoromethane	3.376	101	134	Below Cal	#	18
9) 1,1,2-Trichlorotrifluoro...	4.216	101	57372	10.503	ug/l	93
10) Methyl Iodide	4.433	142	24	1.356	ug/l	# 33
12) 1,1-Dichloroethene	4.186	96	9923	2.120	ug/l	80
16) Acetone	4.296	43	1295	Below Cal		98
17) Carbon Disulfide	4.535	76	338	Below Cal	#	74
24) 1,1-Dichloroethane	6.385	63	7149	0.684	ug/l	# 92
27) cis-1,2-Dichloroethene	7.319	96	6799	1.005	ug/l	# 1
30) Chloroform	7.817	83	4142	0.337	ug/l	85
31) Cyclohexane	8.086	56	13539	Below Cal	#	41
36) 1,1-Dichloropropene	8.088	75	44653	5.523	ug/l	# 52
38) Carbon Tetrachloride	8.086	117	56561	5.889	ug/l	# 17
39) Methylcyclohexane	9.217	83	8636	0.922	ug/l	# 1
42) 1,2-Dichloroethane	8.528	62	2484	0.257	ug/l	# 79
44) Trichloroethene	9.217	130	608598	92.613	ug/l	87
49) 1,4-Dioxane	9.571	88	923	9.644	ug/l	# 78
60) Dibromochloromethane	10.974	129	4168	0.567	ug/l	# 11
64) Tetrachloroethene	10.982	164	4012	0.787	ug/l	90
76) 1,2,3-Trichloropropane	12.733	75	155623	28.869	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	155623	83.921	ug/l	# 6
95) Naphthalene	15.512	128	1301	1.558	ug/l	# 69

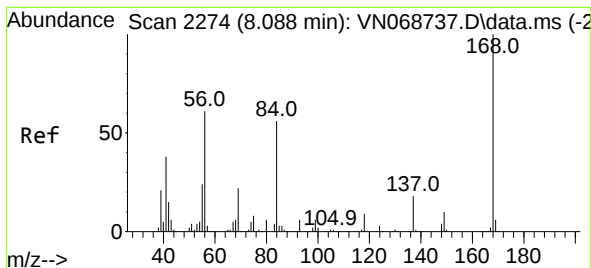
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 01 01:55:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092921W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 29 23:31:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068764.D

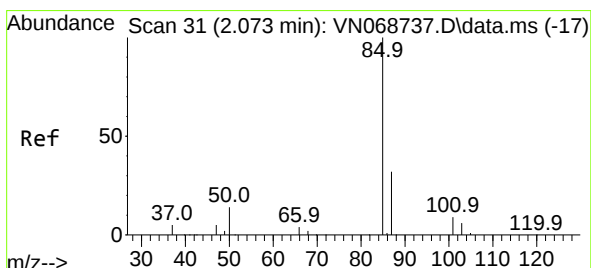
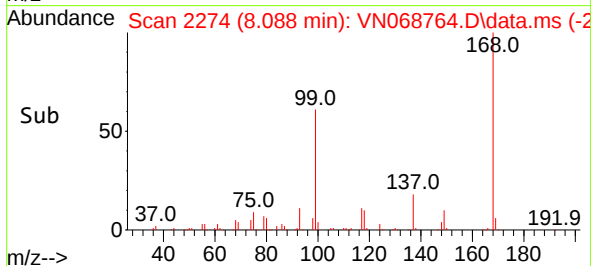
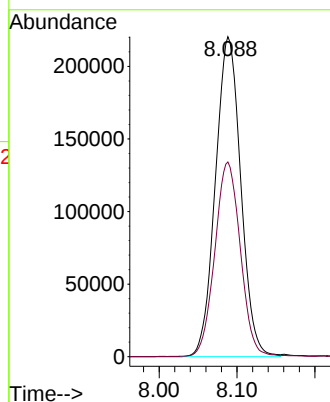
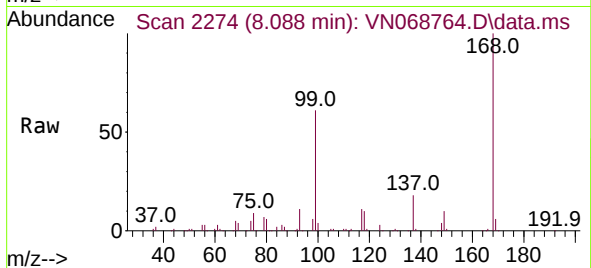
Acq: 30 Sep 2021 15:49

Tgt Ion:168 Resp: 498100

Ion Ratio Lower Upper

168 100

99 60.7 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 1.164 ug/l

RT: 2.075 min Scan# 32

Delta R.T. 0.002 min

Lab File: VN068764.D

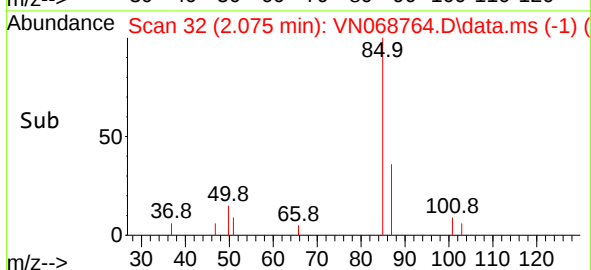
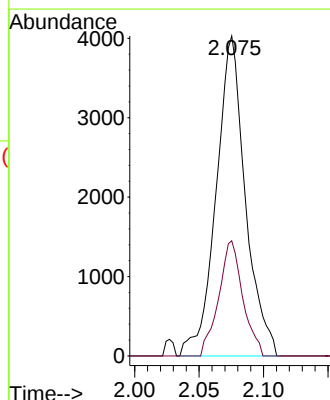
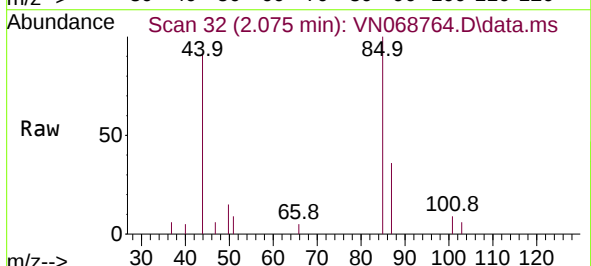
Acq: 30 Sep 2021 15:49

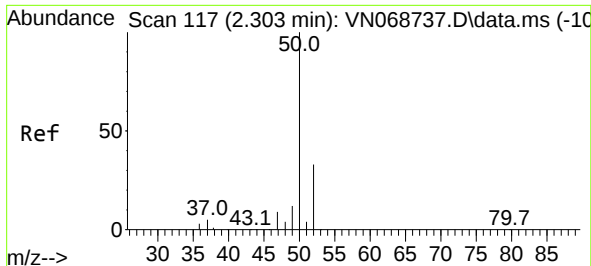
Tgt Ion: 85 Resp: 6350

Ion Ratio Lower Upper

85 100

87 36.0 16.1 48.2

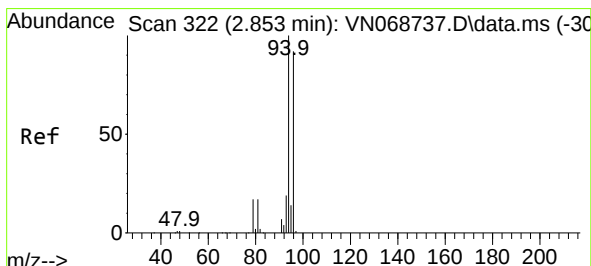
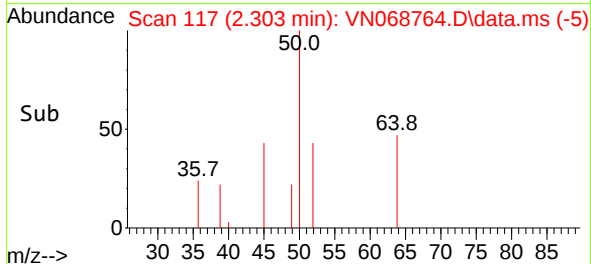
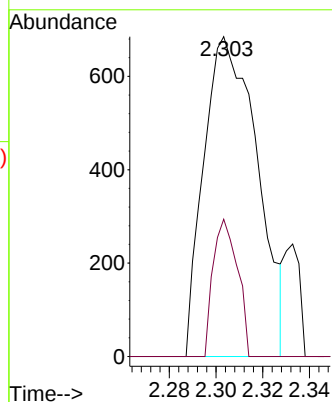
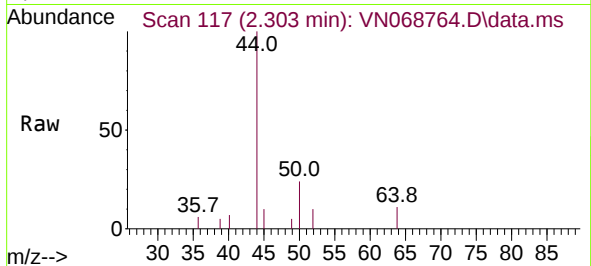




#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

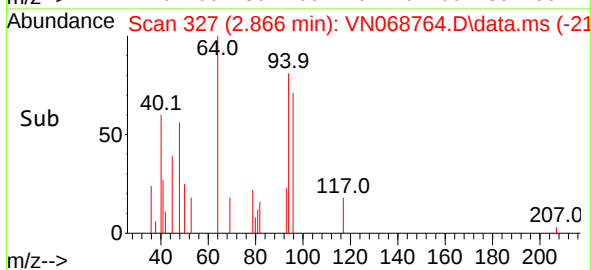
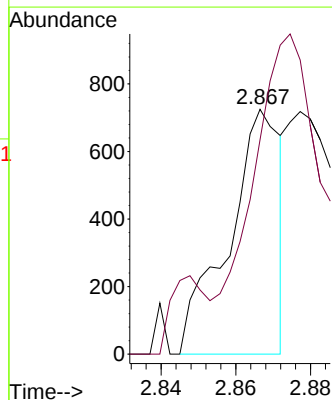
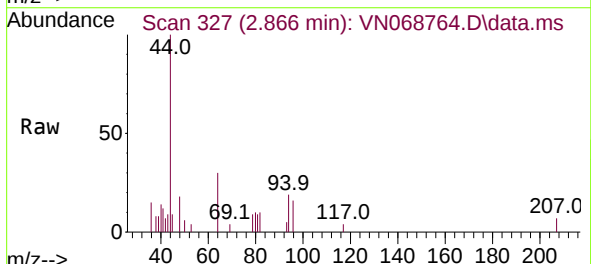
Instrument :
MSVOA_N
ClientSampled :

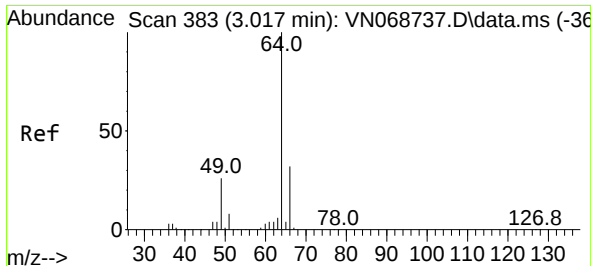
Tgt Ion: 50 Resp: 1086
Ion Ratio Lower Upper
50 100
52 42.9 25.6 38.4#



#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.013 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 94 Resp: 698
Ion Ratio Lower Upper
94 100
96 57.5 73.7 110.5#

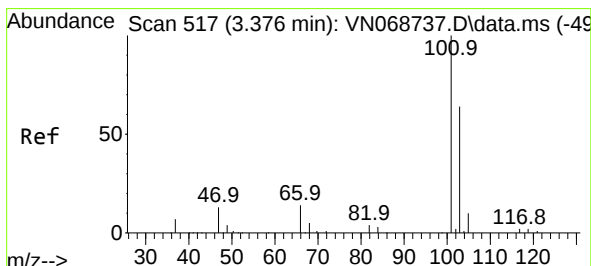
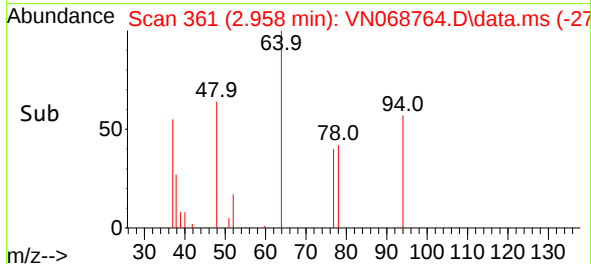
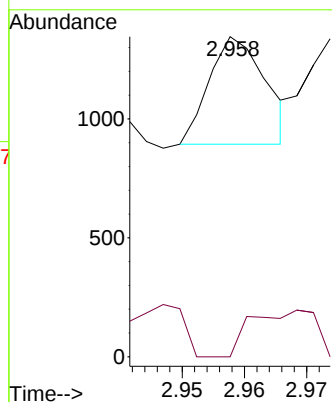
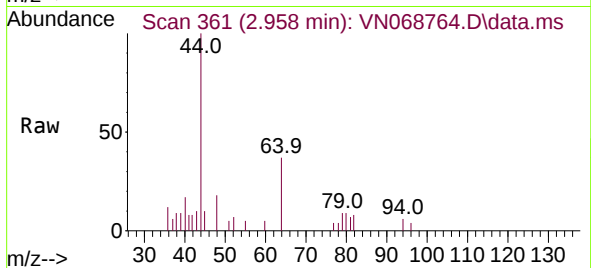




#6
Chloroethane
Concen: Below Cal
RT: 2.958 min Scan# 361
Delta R.T. -0.059 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

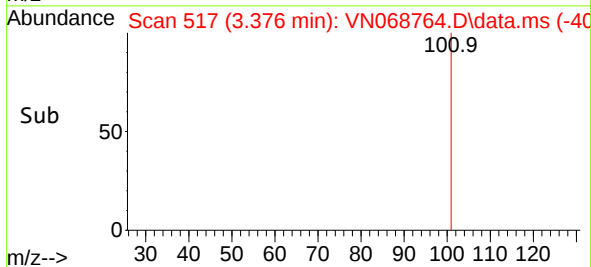
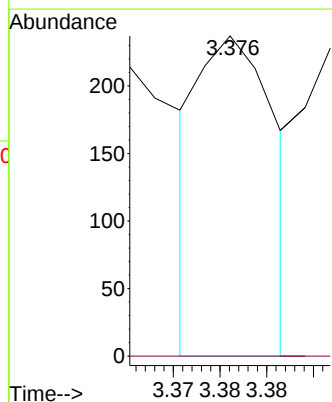
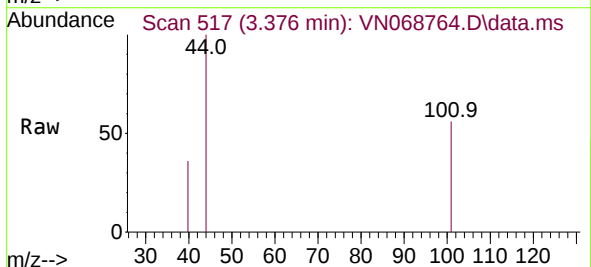
Instrument :
MSVOA_N
ClientSampled :

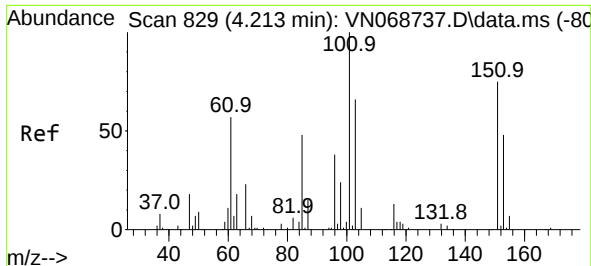
Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.376 min Scan# 517
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 101 Resp: 134
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

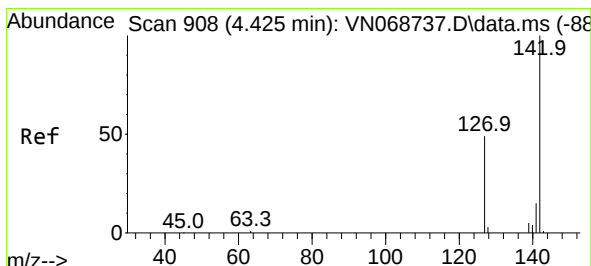
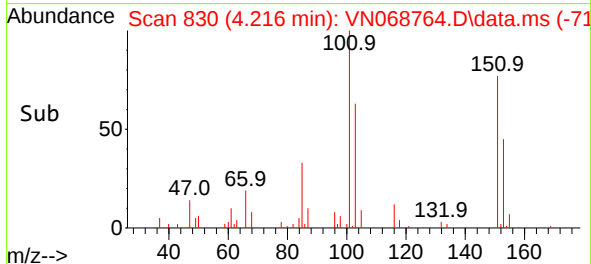
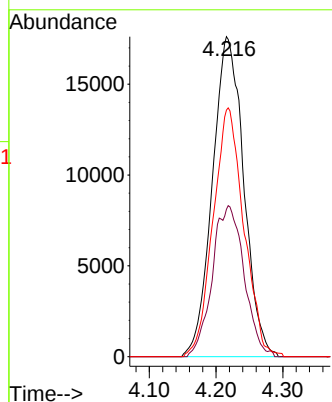
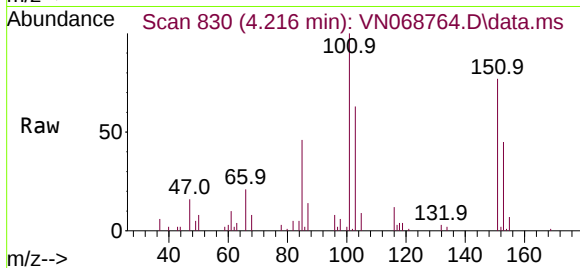




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.503 ug/l
RT: 4.216 min Scan# 830
Delta R.T. 0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

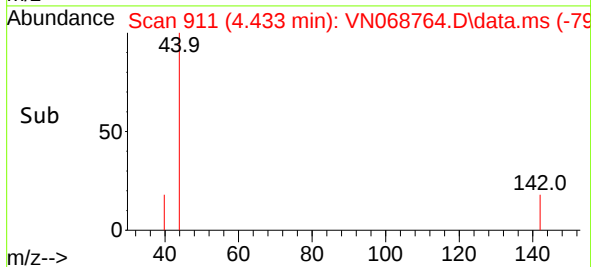
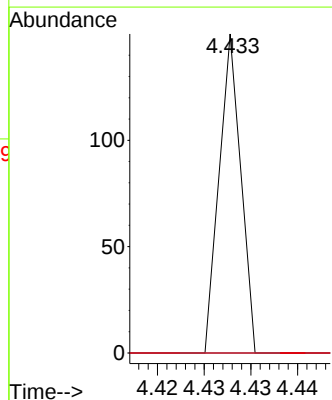
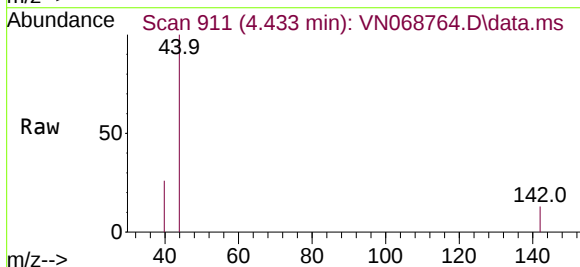
Instrument :
MSVOA_N
ClientSampled :

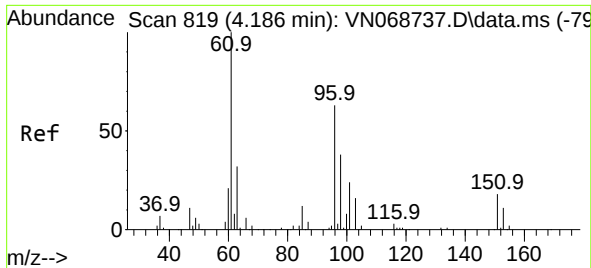
Tgt Ion:	101	Resp:	57372
Ion	Ratio	Lower	Upper
101	100		
85	47.9	39.6	59.4
151	76.3	54.1	81.1



#10
Methyl Iodide
Concen: 1.356 ug/l
RT: 4.433 min Scan# 911
Delta R.T. 0.008 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion:	142	Resp:	24
Ion	Ratio	Lower	Upper
142	100		
127	0.0	43.1	64.7#
141	0.0	11.4	17.0#

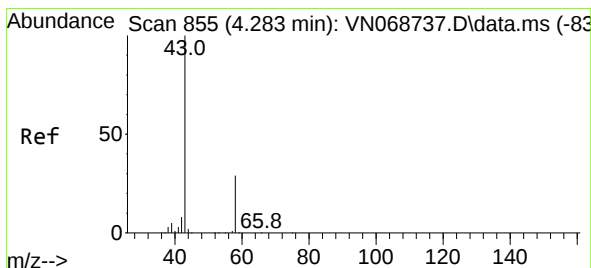
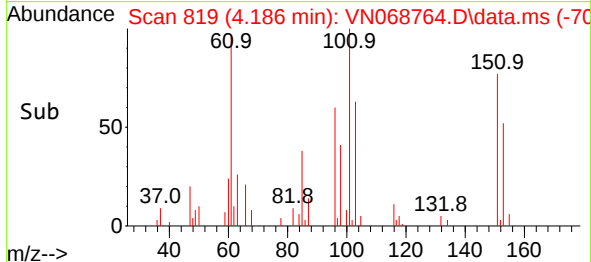
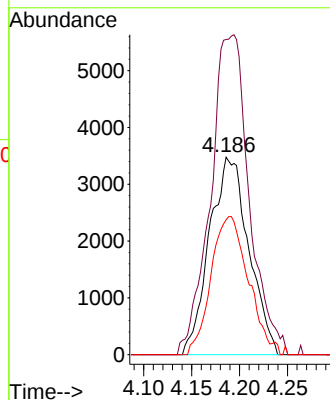
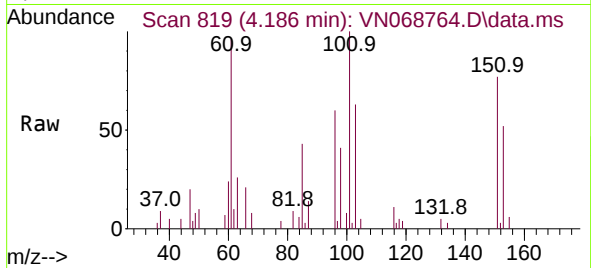




#12
1,1-Dichloroethene
Concen: 2.120 ug/l
RT: 4.186 min Scan# 819
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

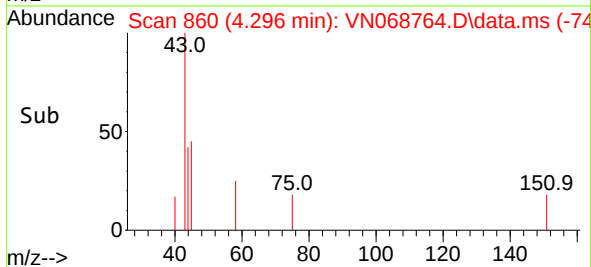
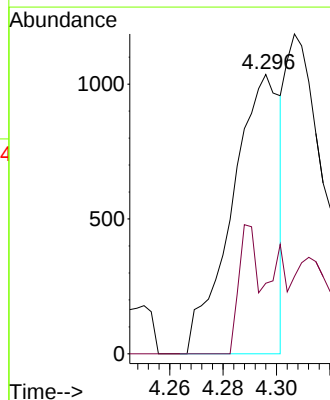
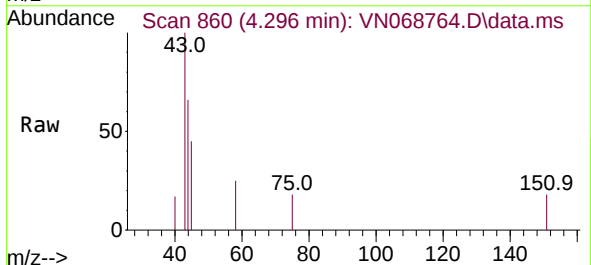
Instrument :
MSVOA_N
ClientSampled :

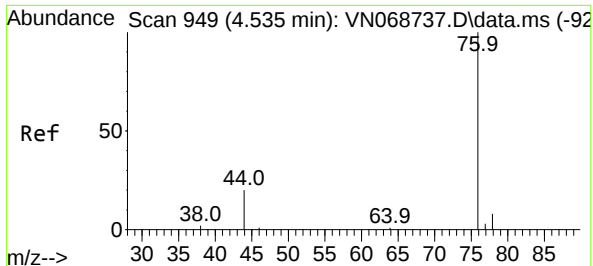
Tgt Ion: 96 Resp: 9923
Ion Ratio Lower Upper
96 100
61 153.7 152.6 229.0
98 68.3 50.9 76.3



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 25.3 21.2 31.8

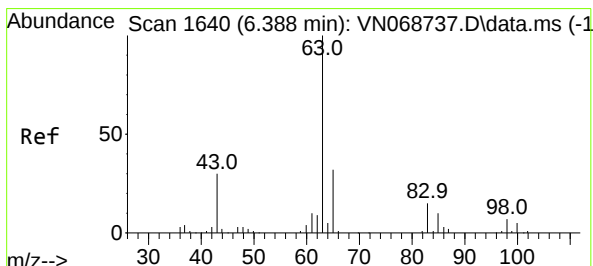
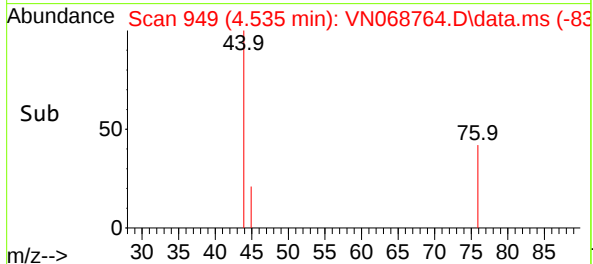
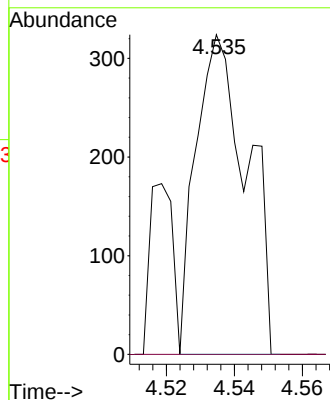
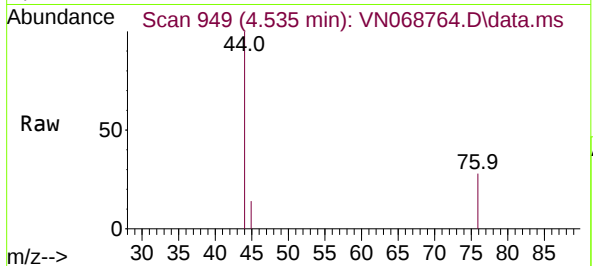




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.535 min Scan# 949
Delta R.T. -0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

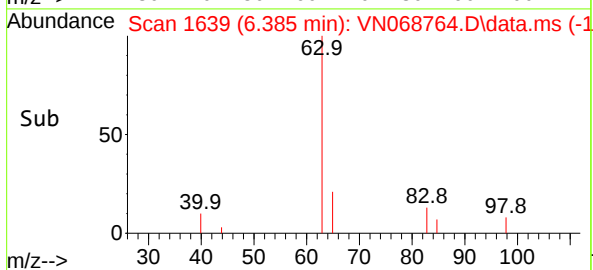
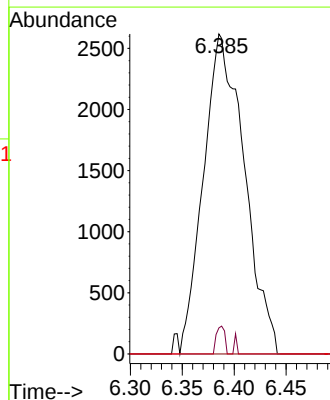
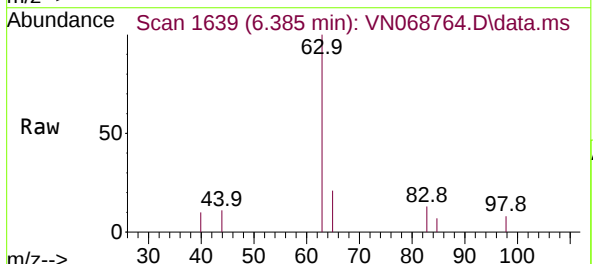
Instrument :
MSVOA_N
ClientSampled :

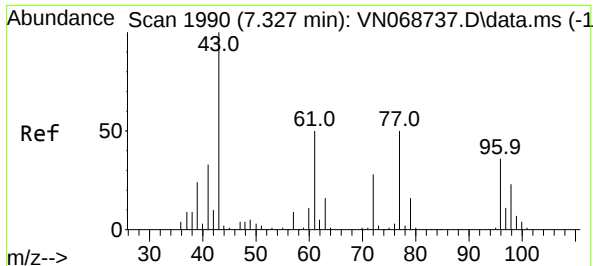
Tgt Ion: 76 Resp: 338
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#24
1,1-Dichloroethane
Concen: 0.684 ug/l
RT: 6.385 min Scan# 1639
Delta R.T. -0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 63 Resp: 7149
Ion Ratio Lower Upper
63 100
98 8.1 3.0 9.0
100 0.0 1.9 5.7#



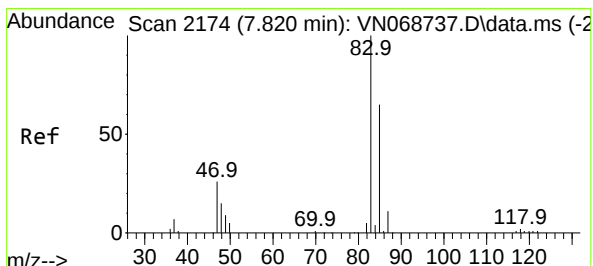
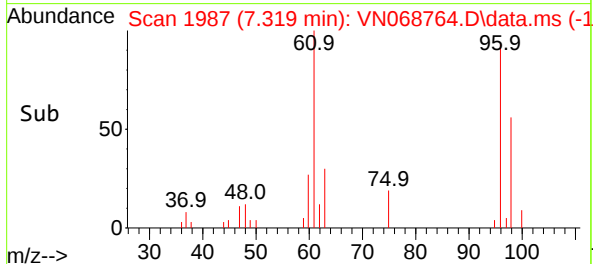
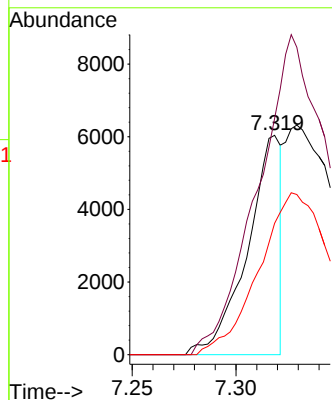
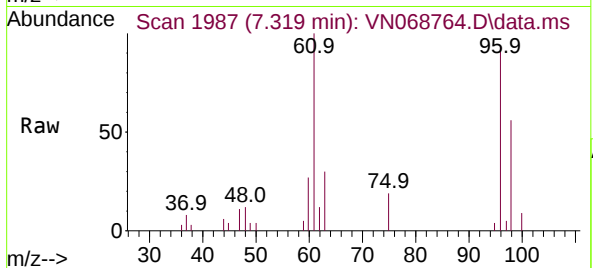


#27

cis-1,2-Dichloroethene
Concen: 1.005 ug/l
RT: 7.319 min Scan# 1987
Delta R.T. -0.008 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Instrument :
MSVOA_N
ClientSampled :

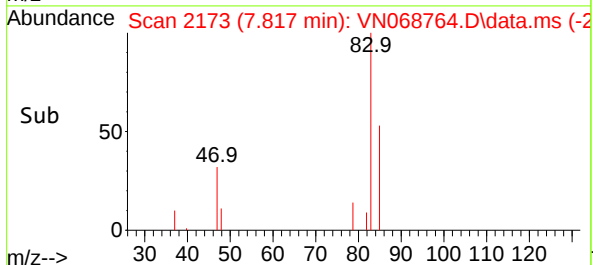
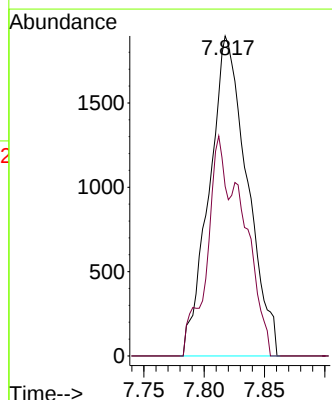
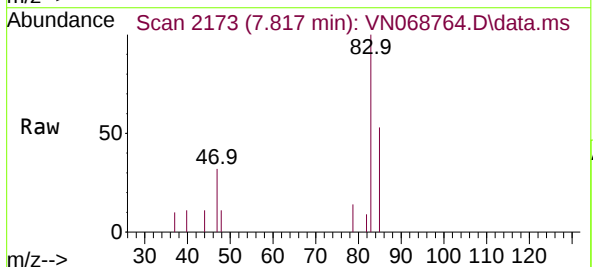
Tgt Ion: 96 Resp: 6799
Ion Ratio Lower Upper
96 100
61 318.8 0.0 338.8
98 162.5 0.0 129.8#

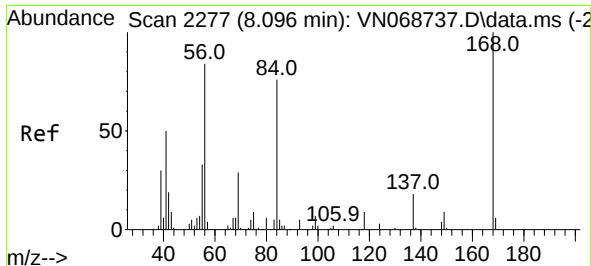


#30

Chloroform
Concen: 0.337 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 83 Resp: 4142
Ion Ratio Lower Upper
83 100
85 53.0 51.5 77.3

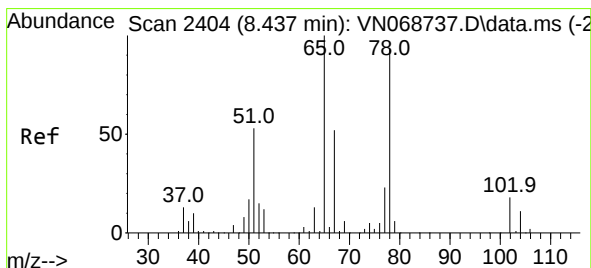
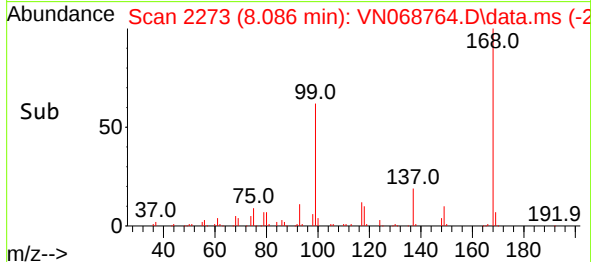
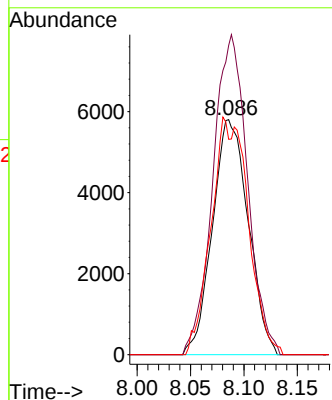
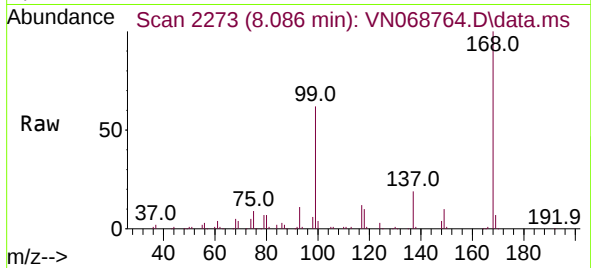




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

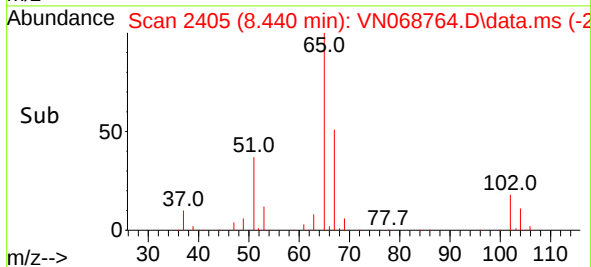
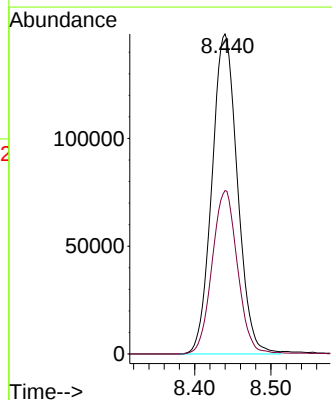
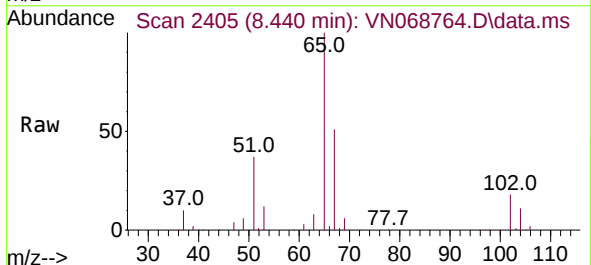
Instrument :
MSVOA_N
ClientSampled :

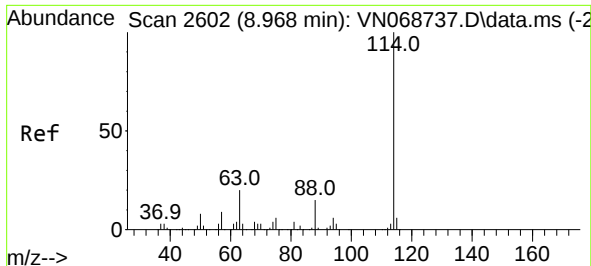
Tgt Ion: 56 Resp: 13539
Ion Ratio Lower Upper
56 100
69 131.6 27.3 40.9#
84 91.6 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 49.733 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 65 Resp: 345154
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

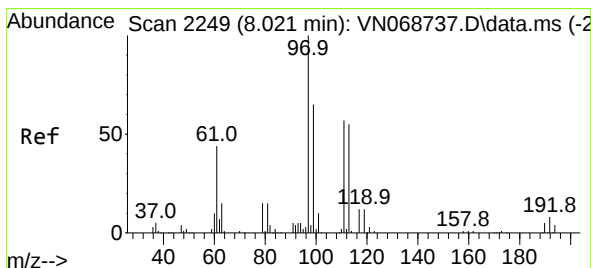
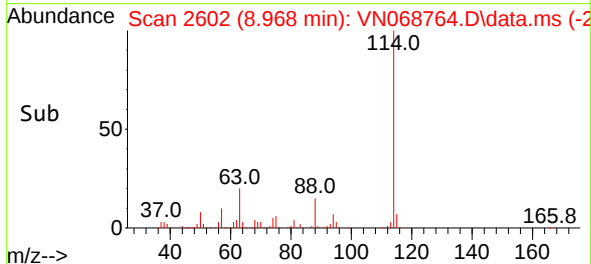
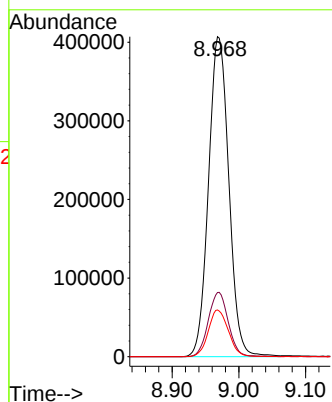
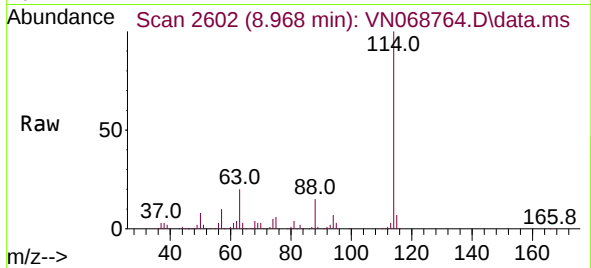




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

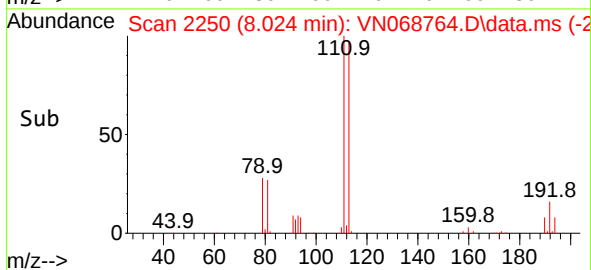
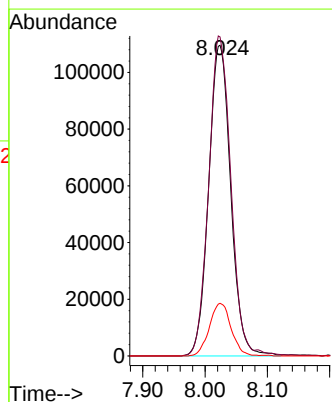
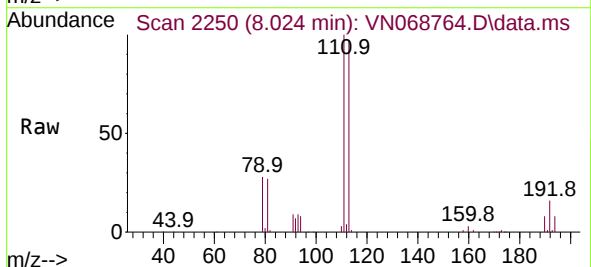
Instrument :
MSVOA_N
ClientSampleId :

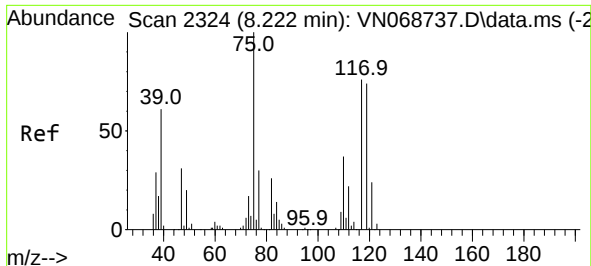
Tgt Ion:	114	Resp:	859666
Ion Ratio	Lower	Upper	
114	100		
63	20.0	0.0	49.0
88	14.6	0.0	36.6



#35
Dibromofluoromethane
Concen: 50.532 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion:	113	Resp:	269906
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.8	125.8
192	16.7	13.4	20.0

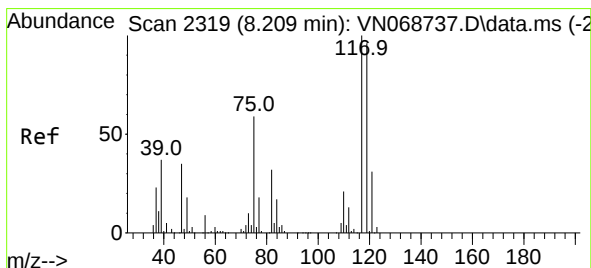
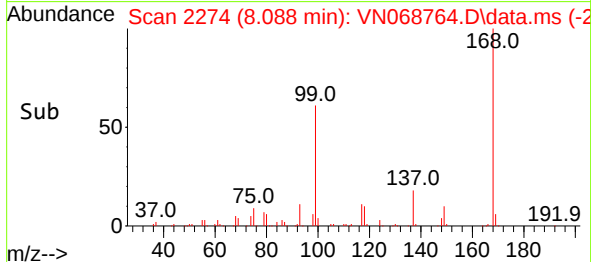
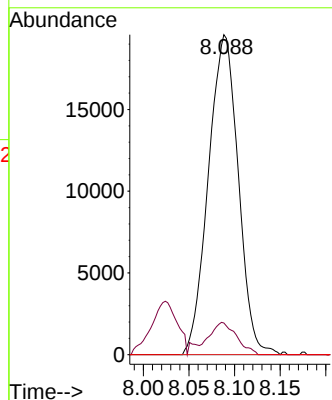
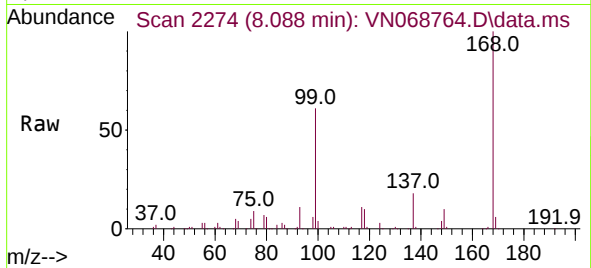




#36
1,1-Dichloropropene
Concen: 5.523 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

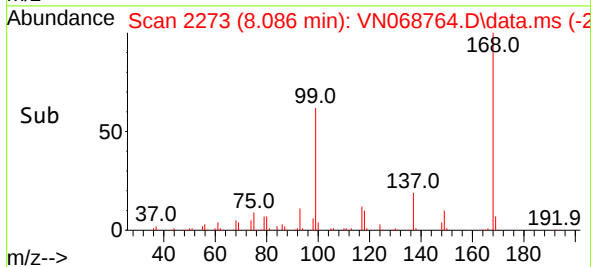
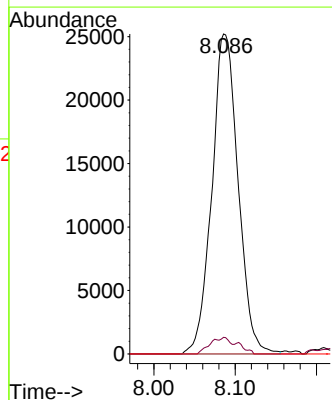
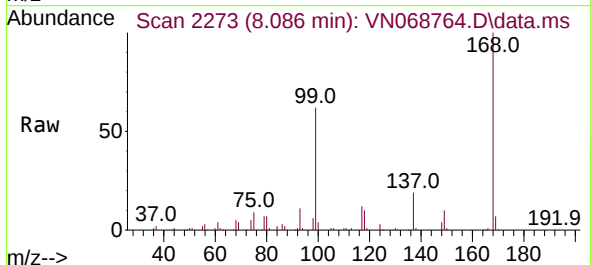
Instrument :
MSVOA_N
ClientSampled :

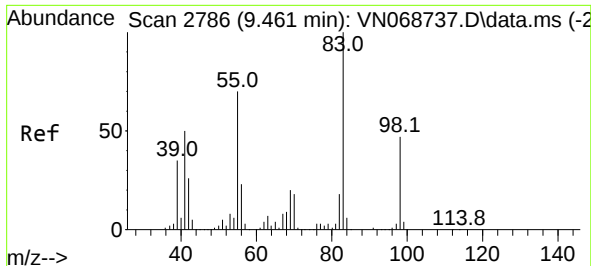
Tgt Ion: 75 Resp: 44653
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.889 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 117 Resp: 56561
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

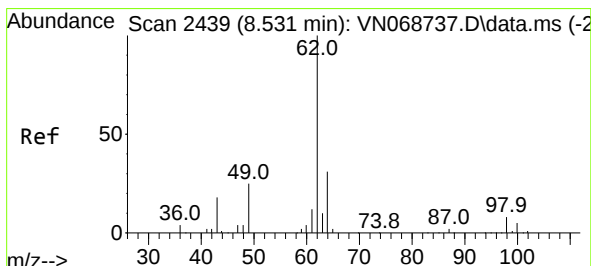
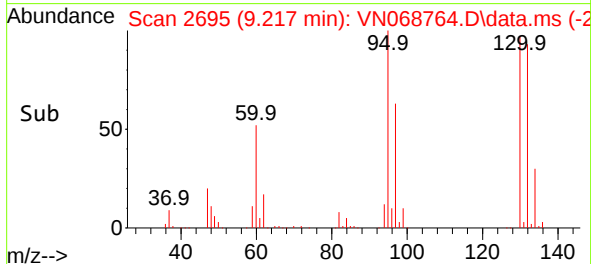
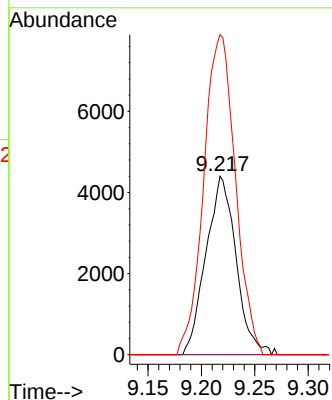
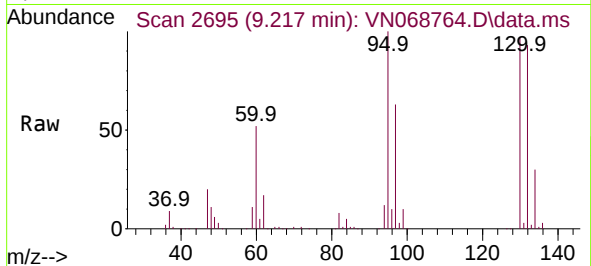




#39
Methylcyclohexane
Concen: 0.922 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.244 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

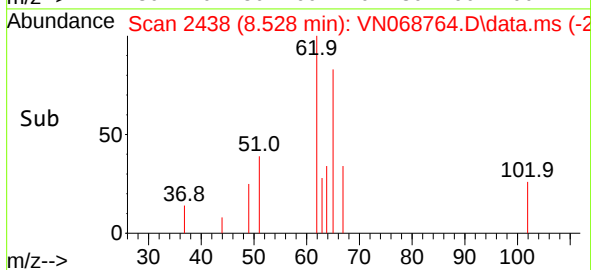
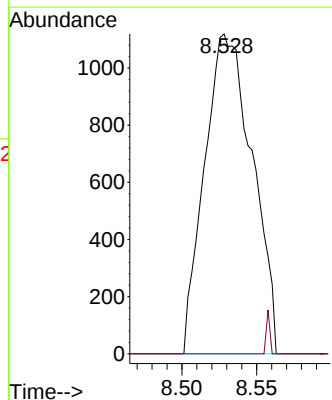
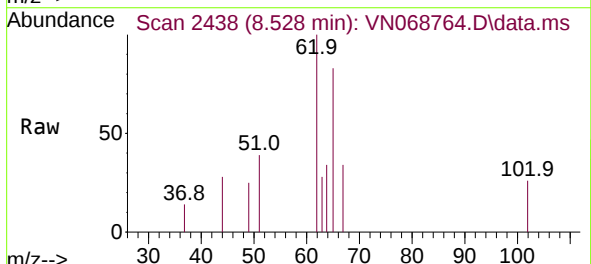
Instrument :
MSVOA_N
ClientSampled :

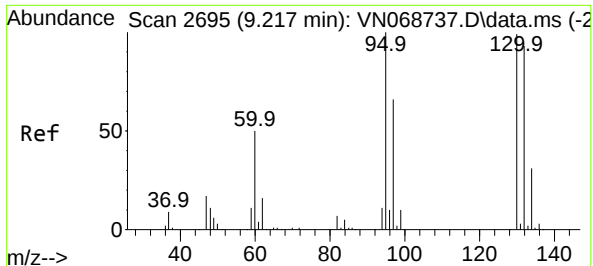
Tgt Ion: 83 Resp: 8636
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 179.3 35.3 52.9#



#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.528 min Scan# 2438
Delta R.T. -0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 62 Resp: 2484
Ion Ratio Lower Upper
62 100
98 0.0 0.0 14.2

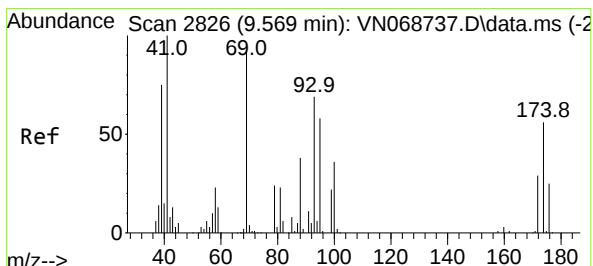
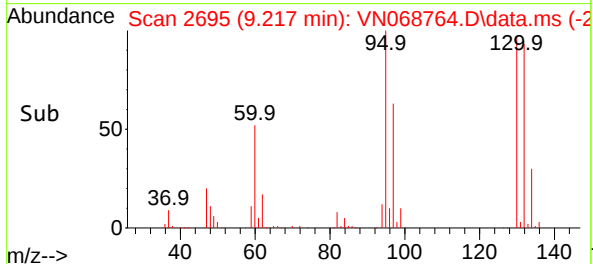
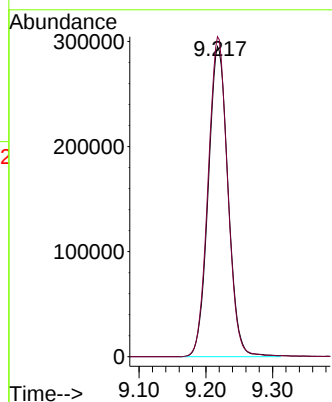
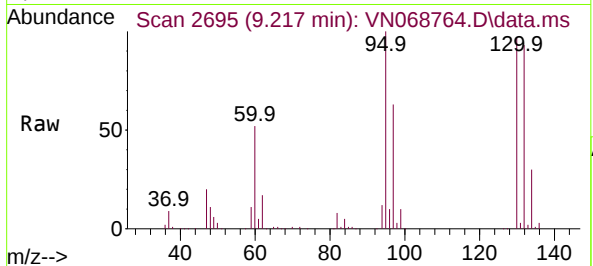




#44
Trichloroethene
Concen: 92.613 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

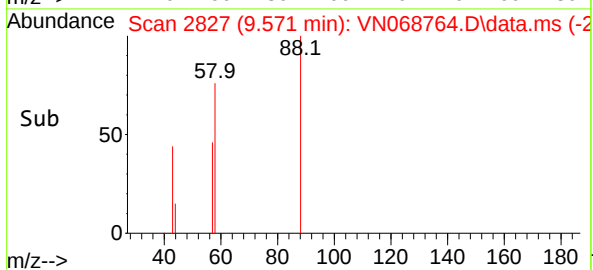
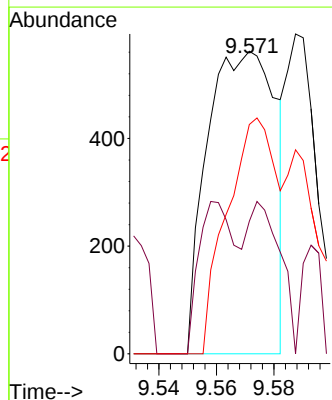
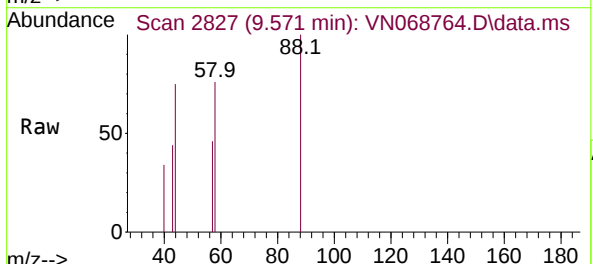
Instrument :
MSVOA_N
ClientSampled :

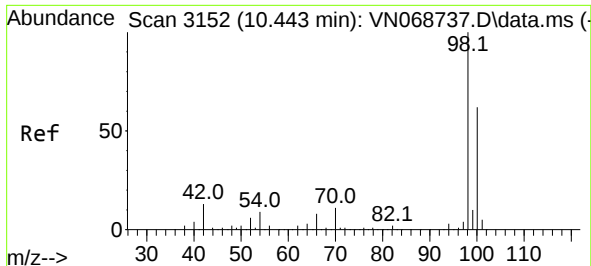
Tgt Ion:130 Resp: 608598
Ion Ratio Lower Upper
130 100
95 103.2 0.0 234.4



#49
1,4-Dioxane
Concen: 9.644 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.002 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 88 Resp: 923
Ion Ratio Lower Upper
88 100
43 23.7 28.8 43.2#
58 56.3 60.4 90.6#

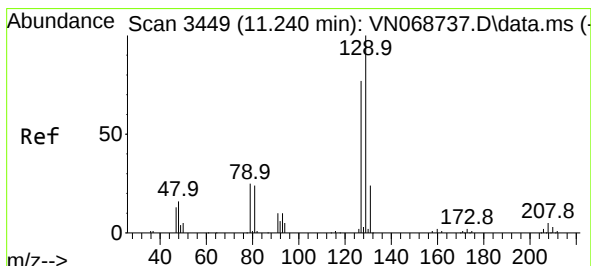
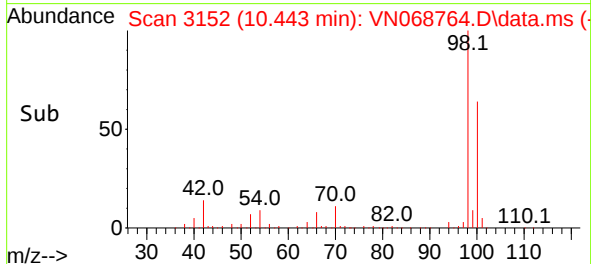
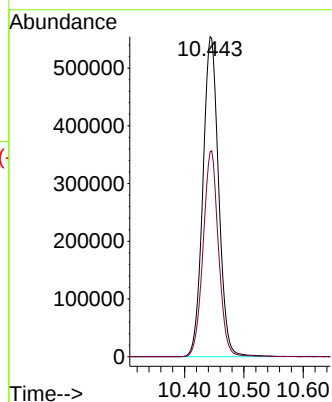
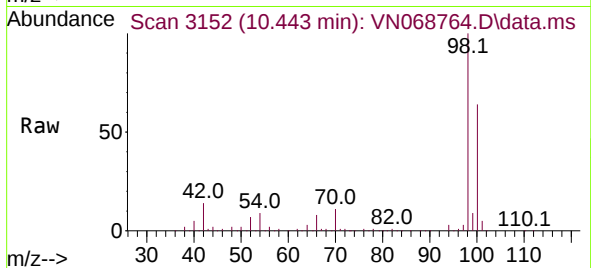




#50
Toluene-d8
Concen: 52.311 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

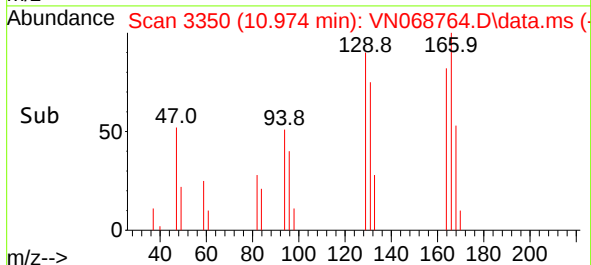
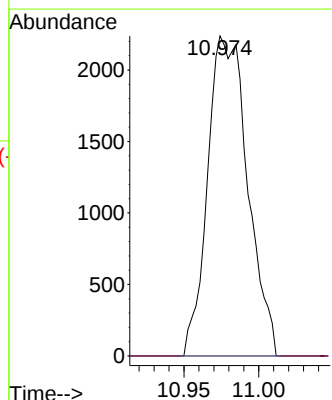
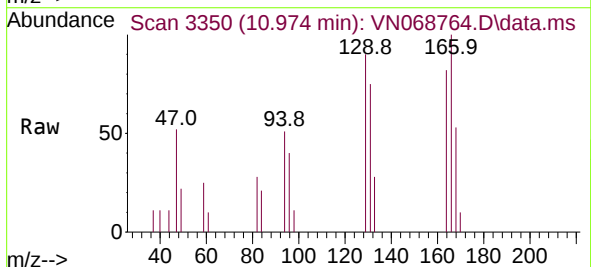
Instrument :
MSVOA_N
ClientSampled :

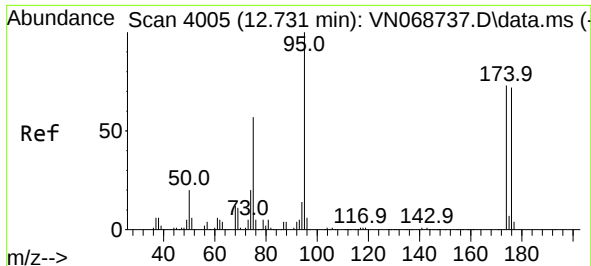
Tgt Ion: 98 Resp: 1021016
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#60
Dibromochloromethane
Concen: 0.567 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion:129 Resp: 4168
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

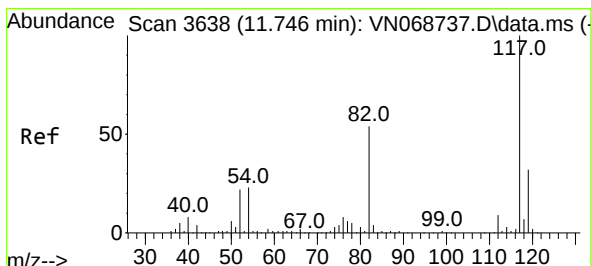
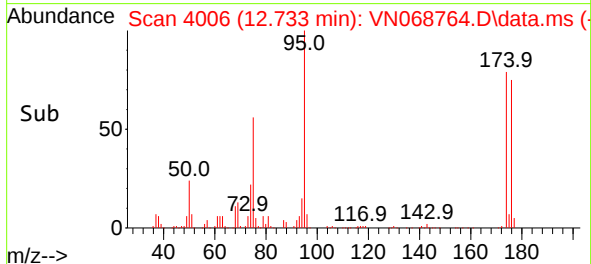
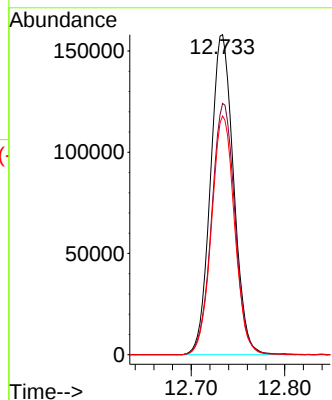
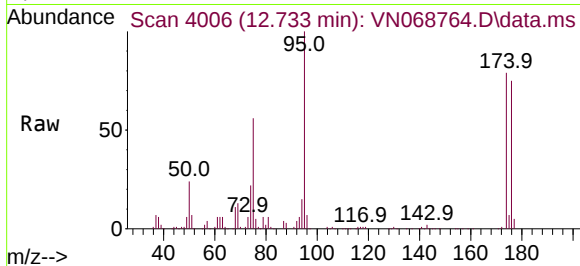




#62
4-Bromofluorobenzene
Concen: 40.047 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

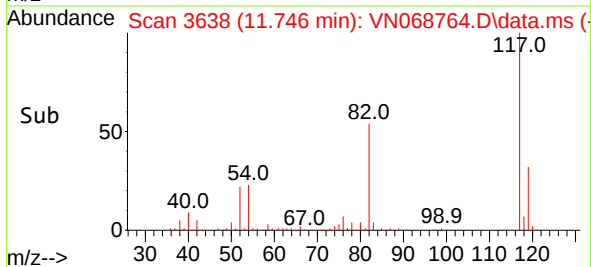
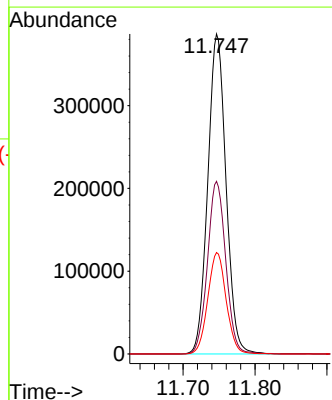
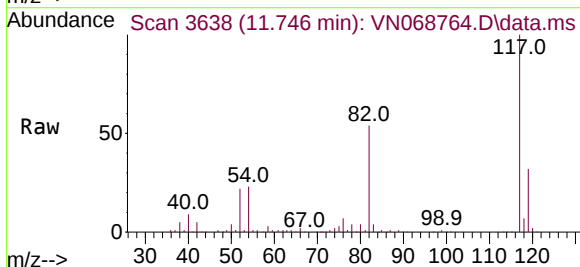
Instrument :
MSVOA_N
ClientSampled :

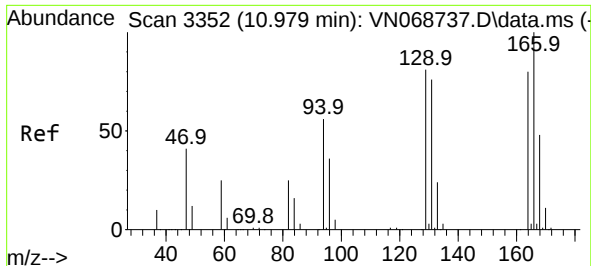
Tgt Ion: 95 Resp: 271604
Ion Ratio Lower Upper
95 100
174 79.5 0.0 122.0
176 74.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion: 117 Resp: 682691
Ion Ratio Lower Upper
117 100
82 53.9 53.1 79.7
119 31.7 25.5 38.3



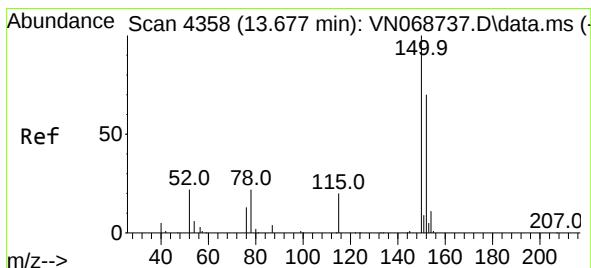
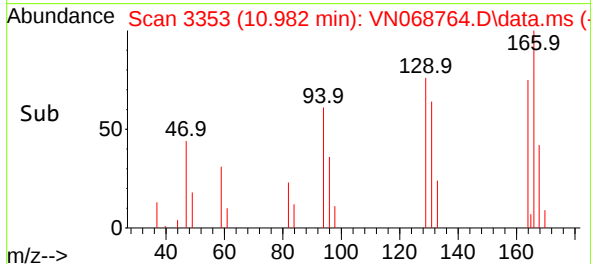
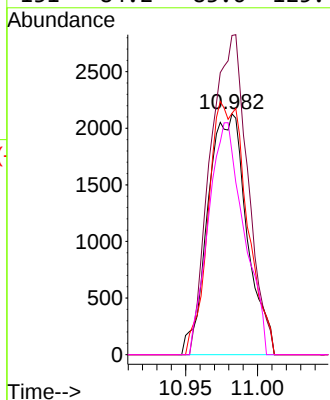
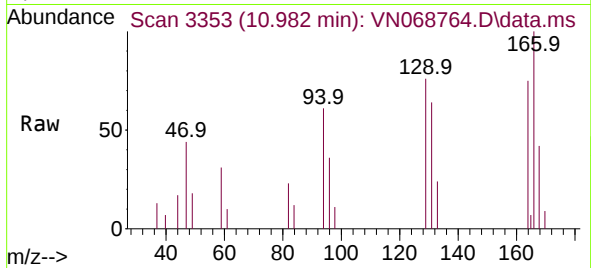


#64
Tetrachloroethene
Concen: 0.787 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. 0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:164 Resp: 4012

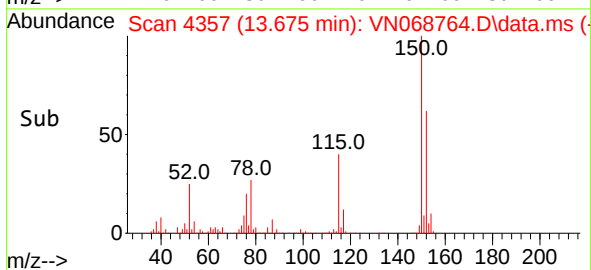
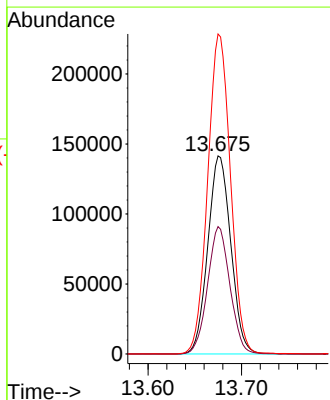
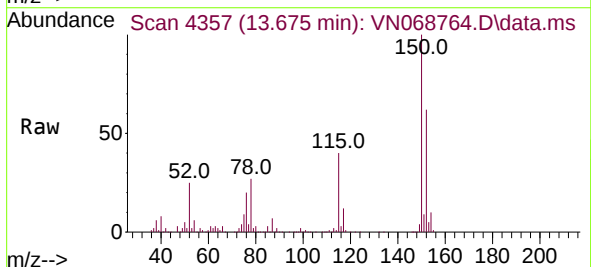
Ion	Ratio	Lower	Upper
164	100		
166	132.5	102.1	153.1
129	100.1	86.9	130.3
131	84.2	83.6	125.4

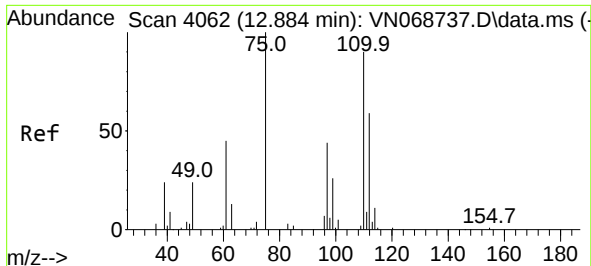


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Tgt Ion:152 Resp: 242401

Ion	Ratio	Lower	Upper
152	100		
115	62.2	36.1	108.5
150	159.8	0.0	351.8

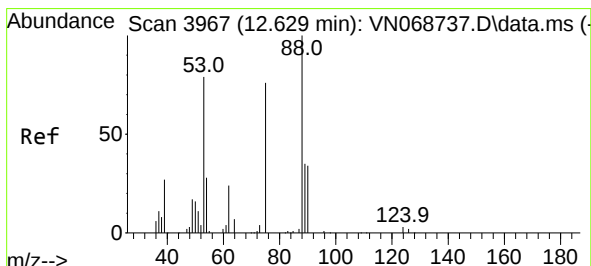
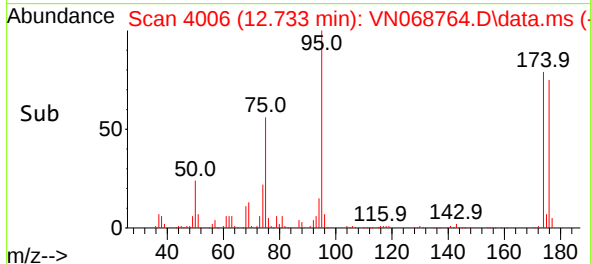
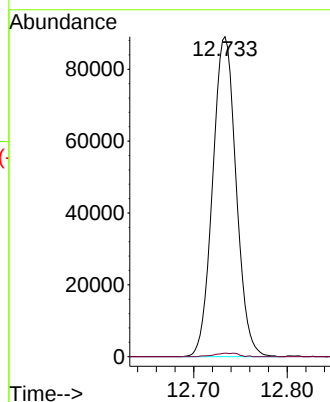
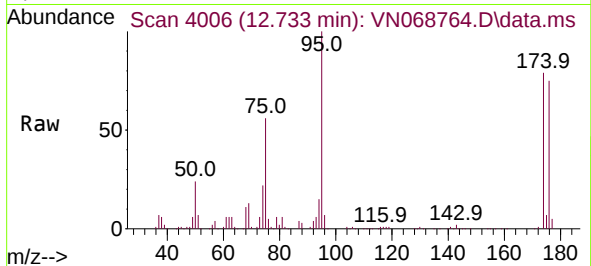




#76
1,2,3-Trichloropropane
Concen: 28.869 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

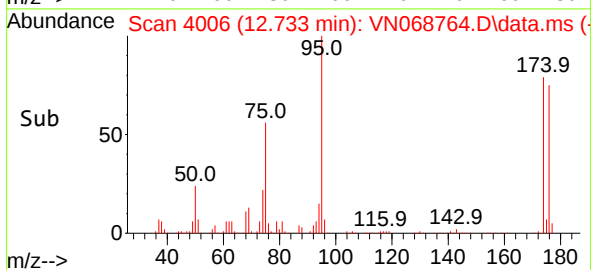
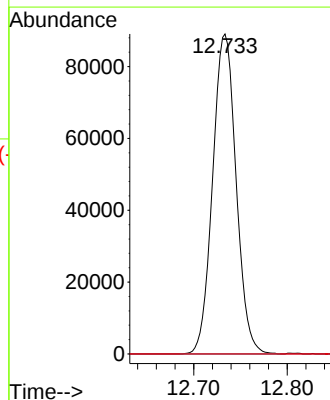
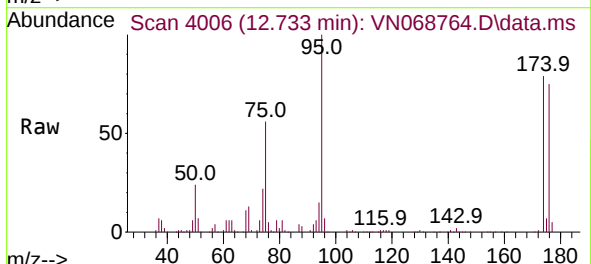
Instrument :
MSVOA_N
ClientSampled :

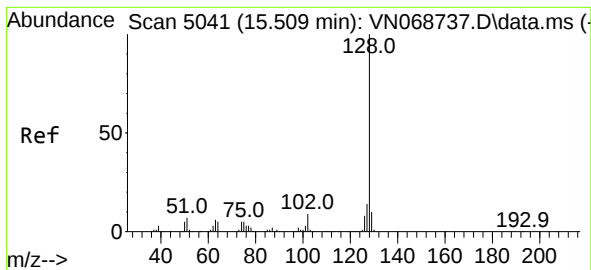
Tgt Ion: 75 Resp: 155623
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.921 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

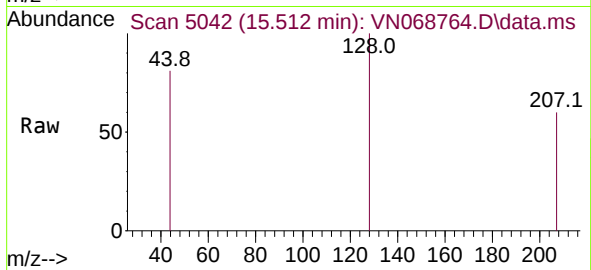
Tgt Ion: 75 Resp: 155623
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.558 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068764.D
Acq: 30 Sep 2021 15:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1301
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

