

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093021\
 Data File : VN068769.D
 Acq On : 30 Sep 2021 17:55
 Operator : JC/MD
 Sample : M3915-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 04:48:44 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

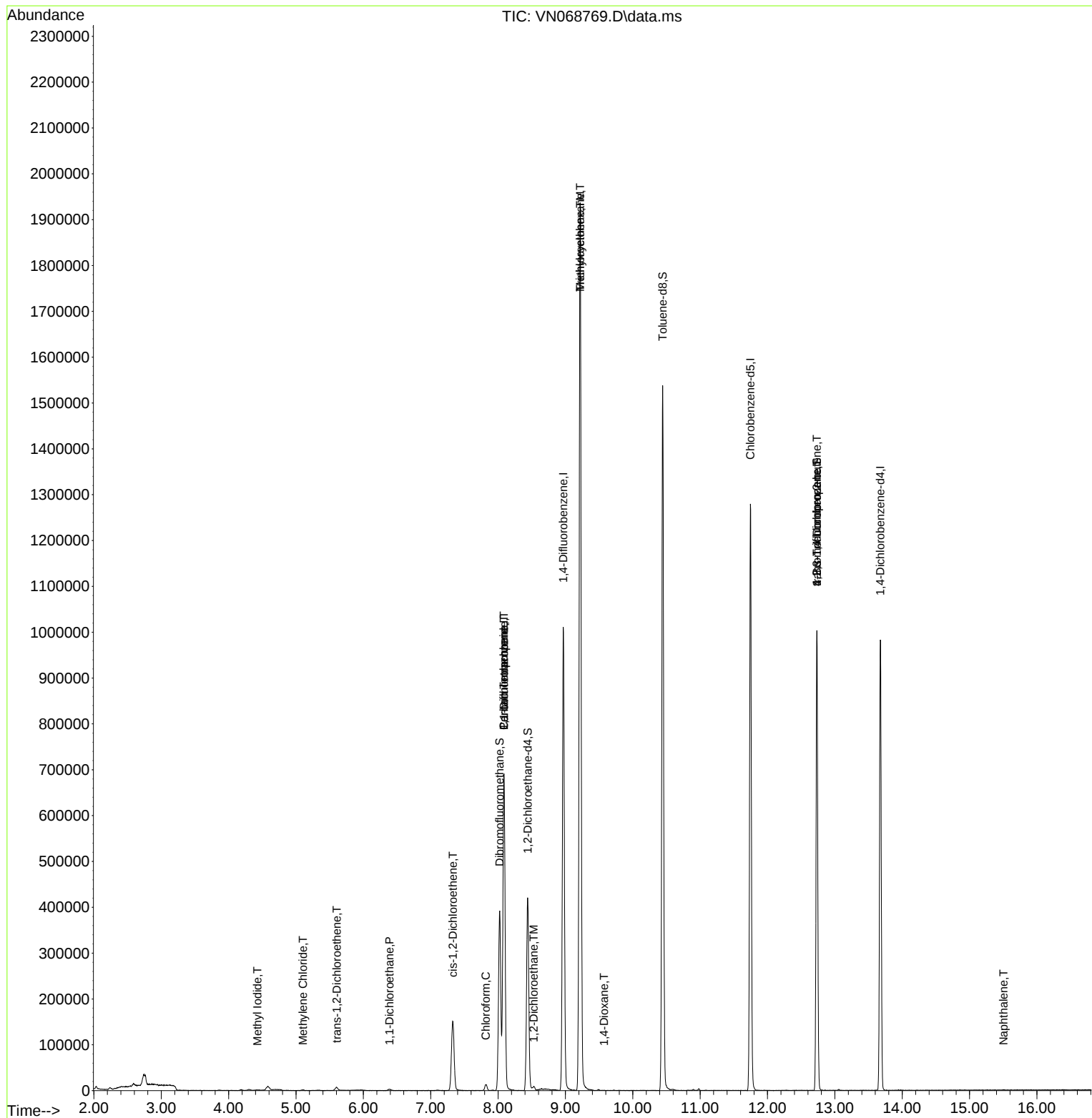
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	502928	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	865143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	718390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	250589	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	346949	49.512	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.020%
35) Dibromofluoromethane	8.024	113	272445	50.684	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.360%
50) Toluene-d8	10.443	98	1065228	54.231	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.460%
62) 4-Bromofluorobenzene	12.733	95	310861	45.545	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1493	Below Cal	#	83
5) Bromomethane	2.866	94	1937	Below Cal	#	52
6) Chloroethane	3.043	64	579	Below Cal	#	44
10) Methyl Iodide	4.427	142	94	1.369	ug/l #	33
13) Acrolein	4.049	56	63	Below Cal	#	14
16) Acetone	4.296	43	2117	Below Cal		91
17) Carbon Disulfide	4.537	76	332	Below Cal	#	74
20) Methylene Chloride	5.103	84	1235	0.203	ug/l #	52
21) trans-1,2-Dichloroethene	5.605	96	3777	0.711	ug/l #	69
24) 1,1-Dichloroethane	6.388	63	3574	0.339	ug/l #	85
27) cis-1,2-Dichloroethene	7.329	96	91583	13.407	ug/l	74
30) Chloroform	7.817	83	12191	0.982	ug/l	96
31) Cyclohexane	8.086	56	13653	Below Cal	#	21
36) 1,1-Dichloropropene	8.088	75	44655	5.488	ug/l #	52
38) Carbon Tetrachloride	8.086	117	55893	5.783	ug/l #	17
39) Methylcyclohexane	9.220	83	9569	1.015	ug/l #	1
42) 1,2-Dichloroethane	8.528	62	6452	0.663	ug/l	90
44) Trichloroethene	9.217	130	666025	100.711	ug/l	87
49) 1,4-Dioxane	9.574	88	162	1.682	ug/l #	20
76) 1,2,3-Trichloropropane	12.733	75	186060	33.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	186060	97.056	ug/l #	6
95) Naphthalene	15.504	128	1295	1.553	ug/l #	72

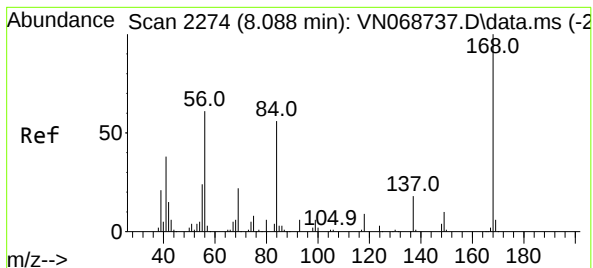
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

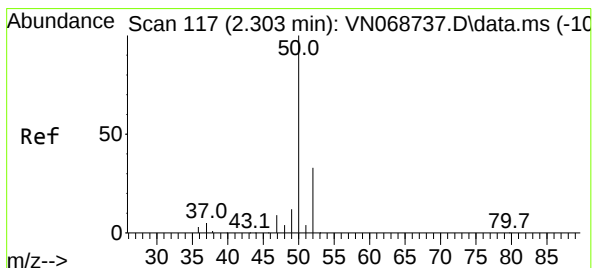
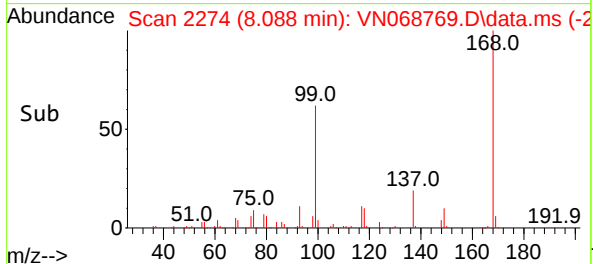
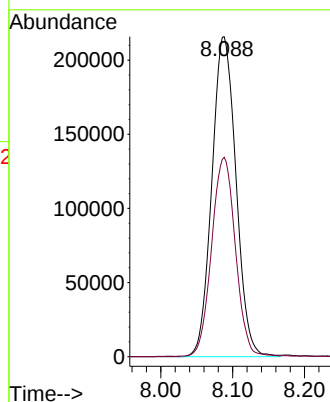
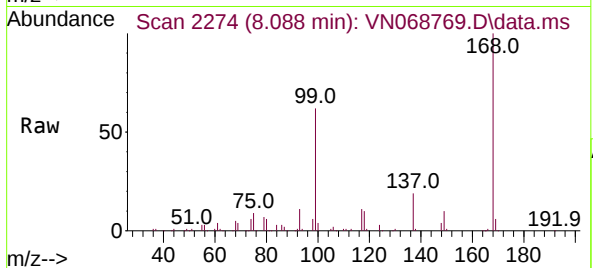
Lab File: VN068769.D

Acq: 30 Sep 2021 17:55

Tgt Ion:168 Resp: 502928

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
168	100		
99	62.1	62.9	94.3#



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. 0.000 min

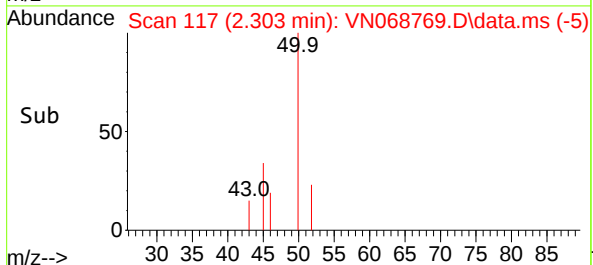
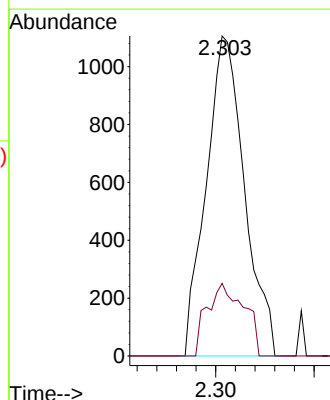
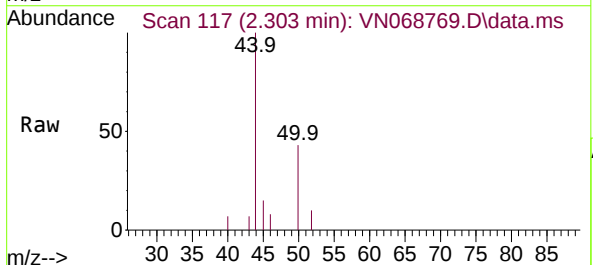
Lab File: VN068769.D

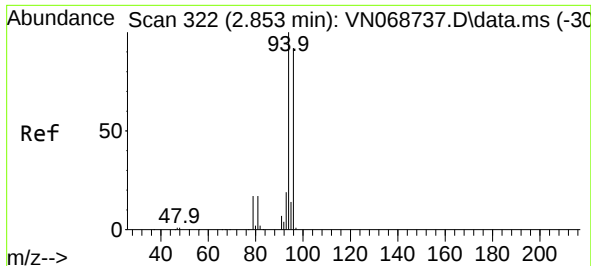
Acq: 30 Sep 2021 17:55

Tgt Ion: 50 Resp: 1493

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	22.7	25.6	38.4#

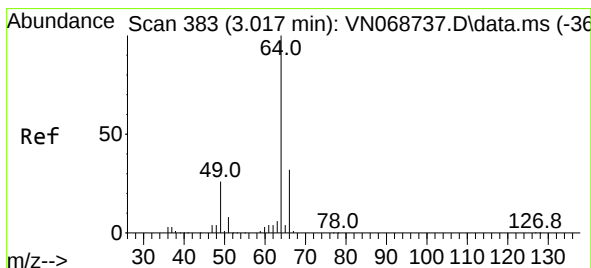
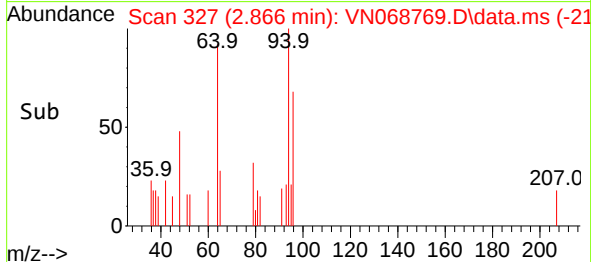
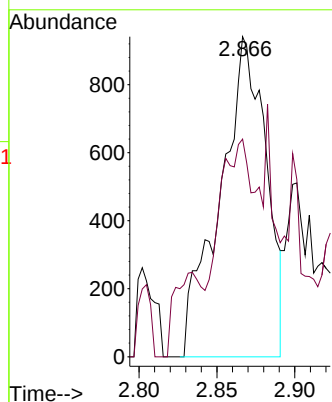
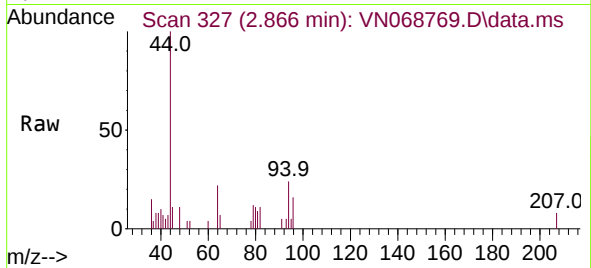




#5
Bromomethane
Concen: Below Cal
RT: 2.866 min Scan# 327
Delta R.T. 0.013 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

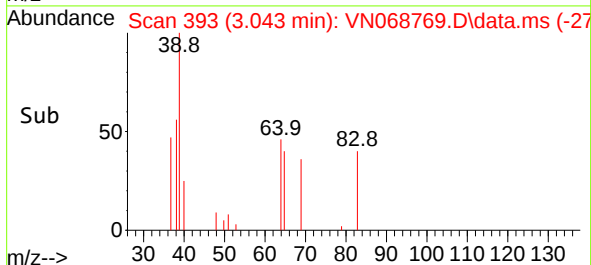
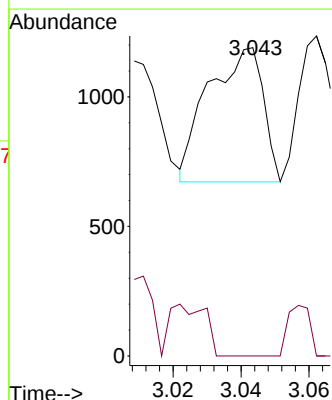
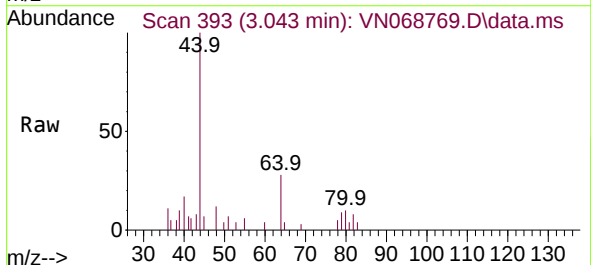
Instrument :
MSVOA_N
ClientSampled :

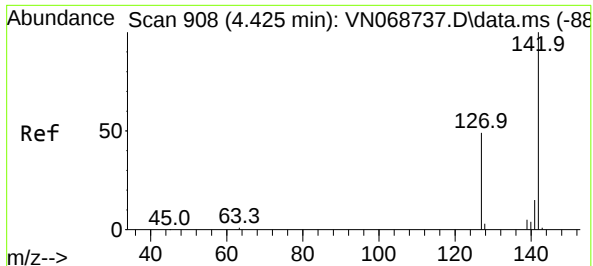
Tgt Ion: 94 Resp: 1937
Ion Ratio Lower Upper
94 100
96 46.8 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.043 min Scan# 393
Delta R.T. 0.026 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 64 Resp: 579
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

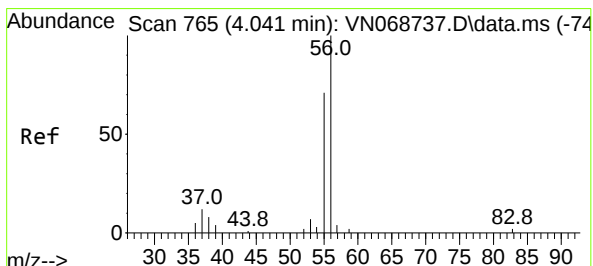
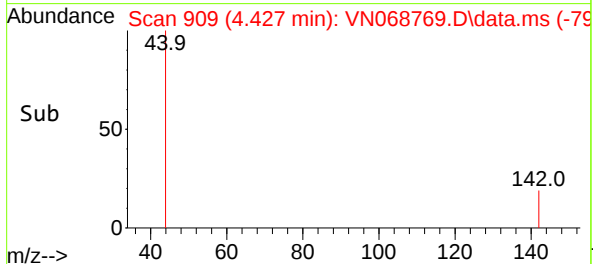
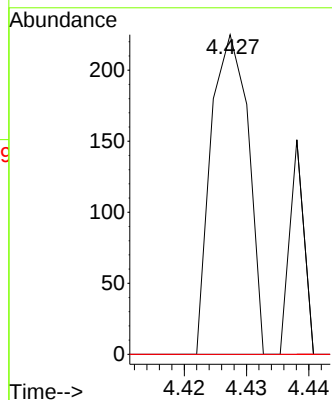
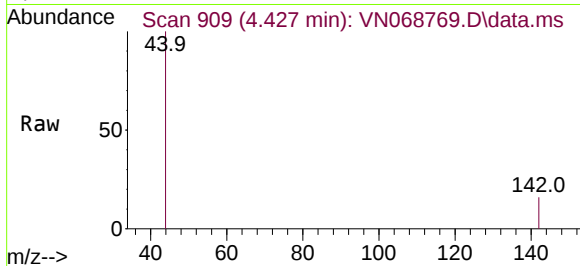




#10
Methyl Iodide
Concen: 1.369 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.002 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

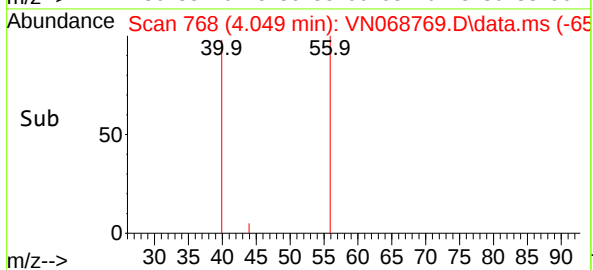
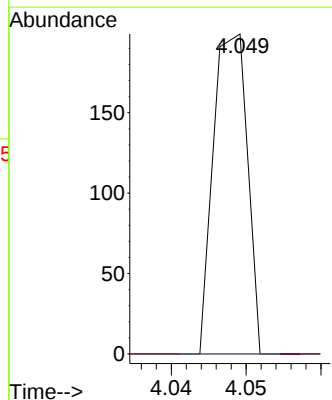
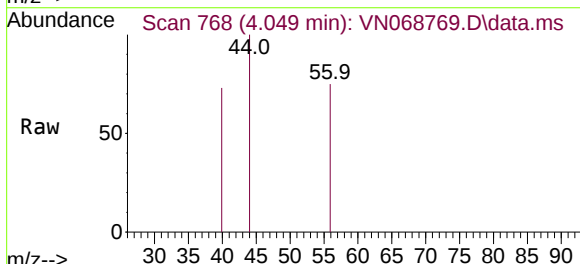
Instrument :
MSVOA_N
ClientSampled :

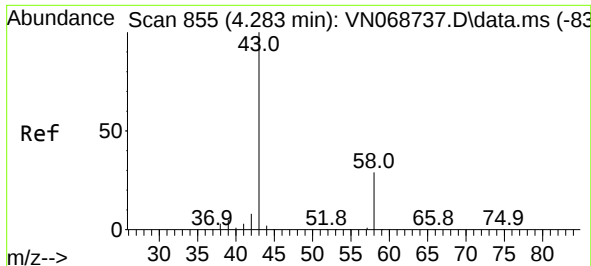
Tgt Ion:142 Resp: 94
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

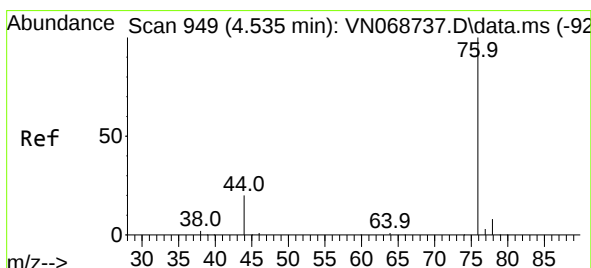
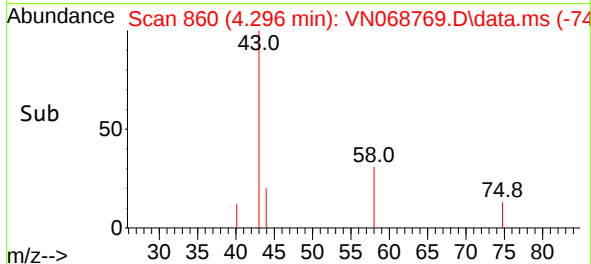
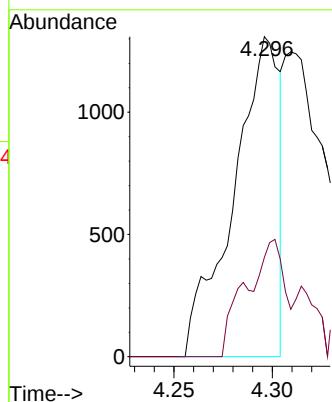
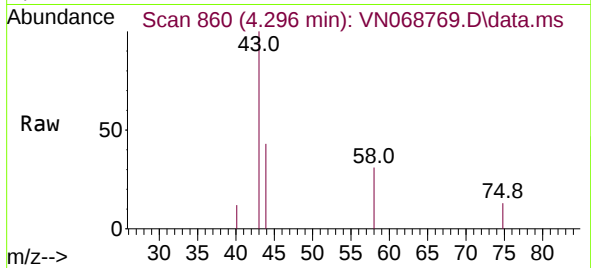




#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.013 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

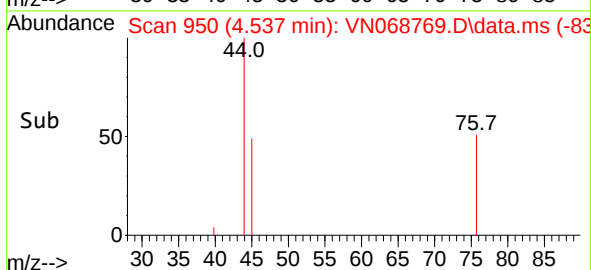
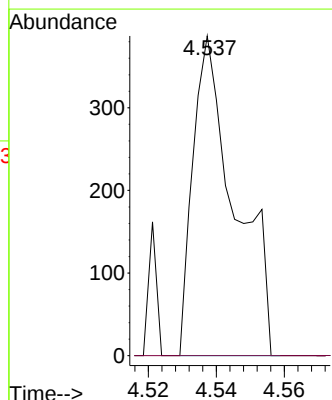
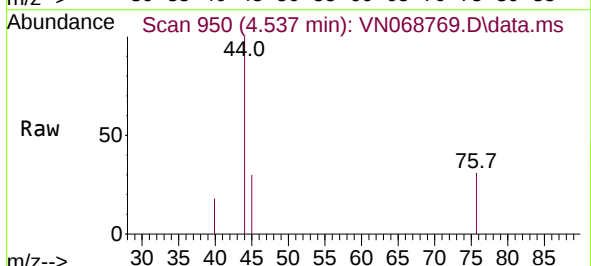
Instrument :
MSVOA_N
ClientSampled :

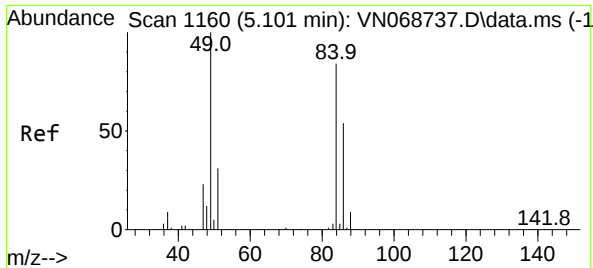
Tgt Ion: 43 Resp: 2117
Ion Ratio Lower Upper
43 100
58 31.0 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.537 min Scan# 950
Delta R.T. 0.002 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

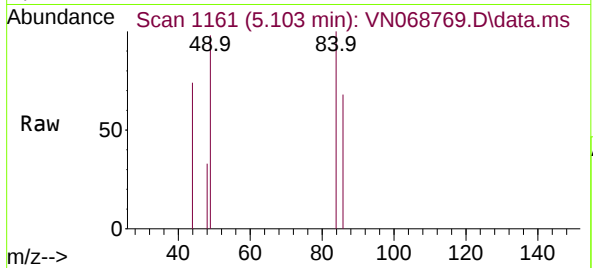
Tgt Ion: 76 Resp: 332
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



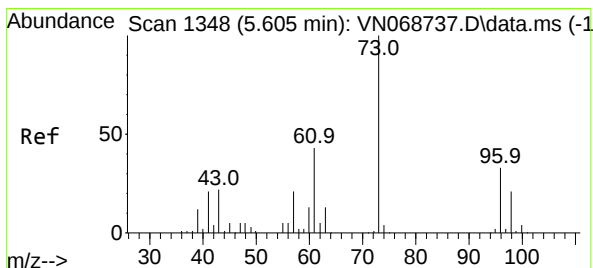
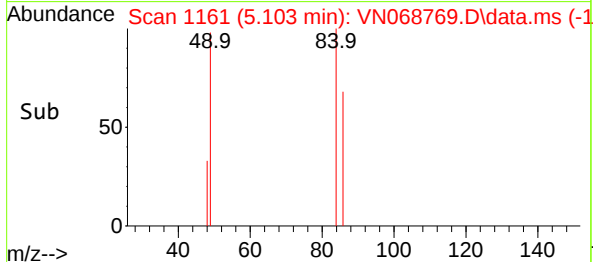
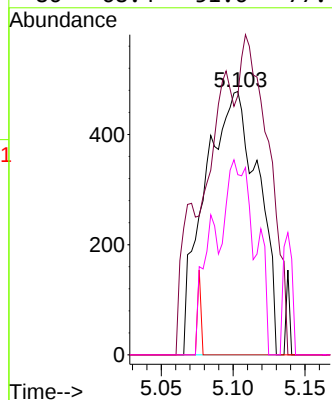


#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Instrument :
MSVOA_N
ClientSampled :

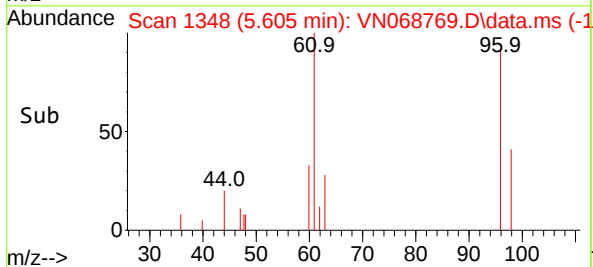
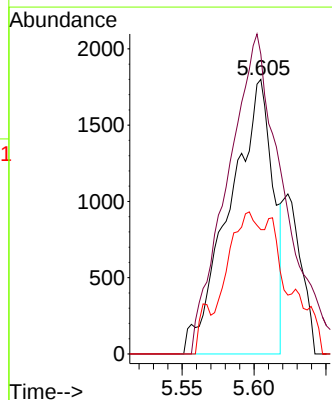
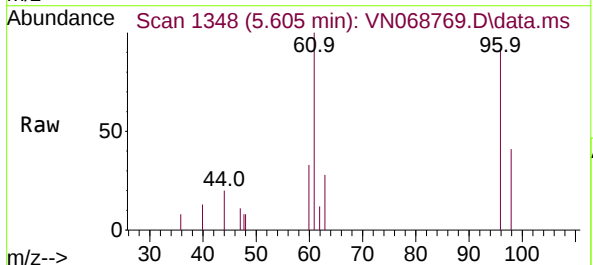


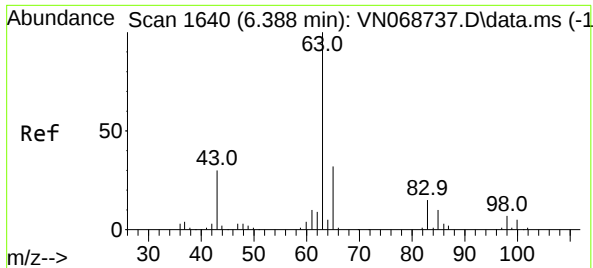
Tgt Ion: 84 Resp: 1235
Ion Ratio Lower Upper
84 100
49 62.6 110.9 166.3#
51 0.0 32.6 49.0#
86 68.4 51.6 77.4



#21
trans-1,2-Dichloroethene
Concen: 0.711 ug/l
RT: 5.605 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 96 Resp: 3777
Ion Ratio Lower Upper
96 100
61 109.2 123.5 185.3#
98 45.3 48.6 72.8#

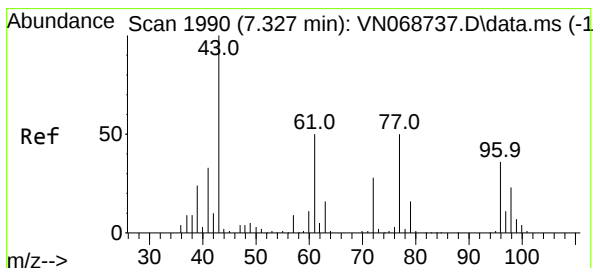
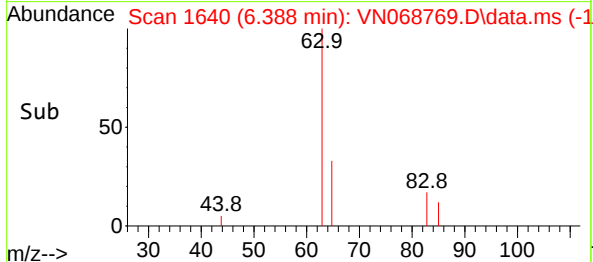
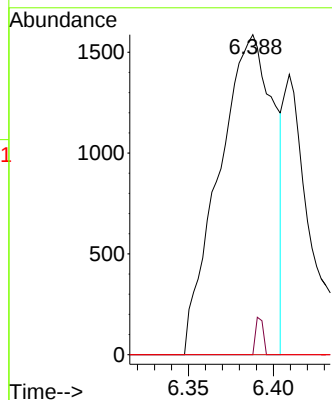
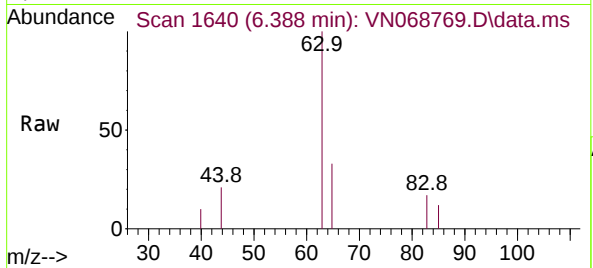




#24
 1,1-Dichloroethane
 Concen: 0.339 ug/l
 RT: 6.388 min Scan# 1640
 Delta R.T. -0.000 min
 Lab File: VN068769.D
 Acq: 30 Sep 2021 17:55

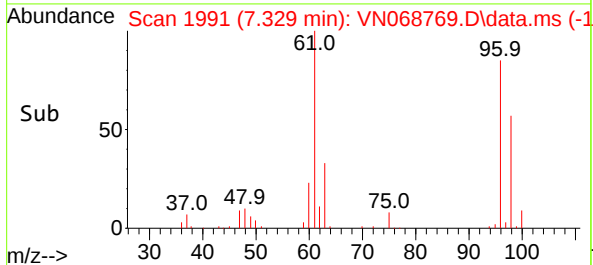
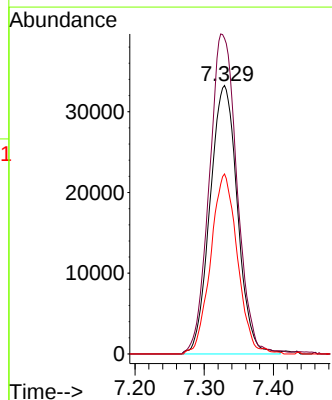
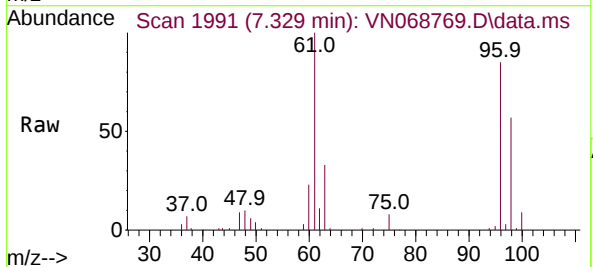
Instrument :
 MSVOA_N
 ClientSampled :

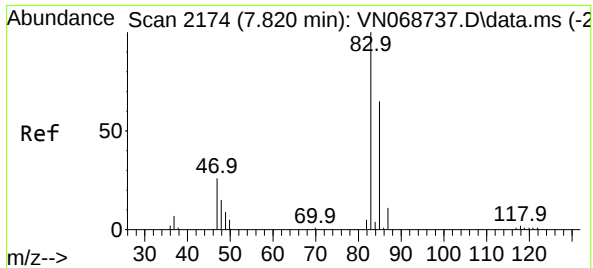
Tgt Ion: 63 Resp: 3574
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.0 9.0#
 100 0.0 1.9 5.7#



#27
 cis-1,2-Dichloroethene
 Concen: 13.407 ug/l
 RT: 7.329 min Scan# 1991
 Delta R.T. 0.002 min
 Lab File: VN068769.D
 Acq: 30 Sep 2021 17:55

Tgt Ion: 96 Resp: 91583
 Ion Ratio Lower Upper
 96 100
 61 120.1 0.0 338.8
 98 64.6 0.0 129.8





#30

Chloroform

Concen: 0.982 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. -0.003 min

Lab File: VN068769.D

Acq: 30 Sep 2021 17:55

Tgt Ion: 83 Resp: 12191

Ion Ratio Lower Upper

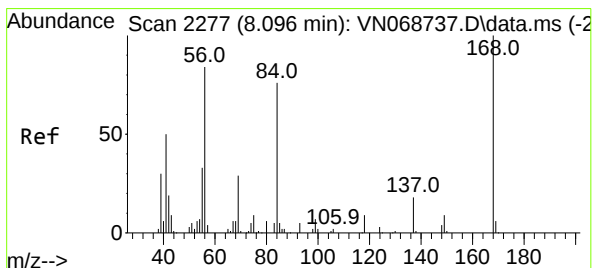
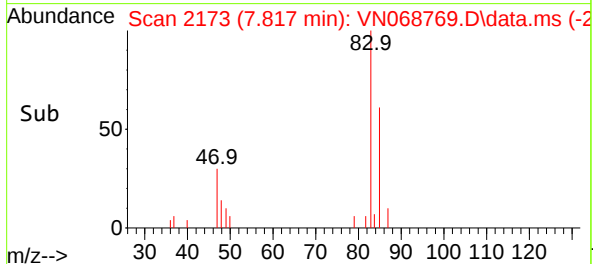
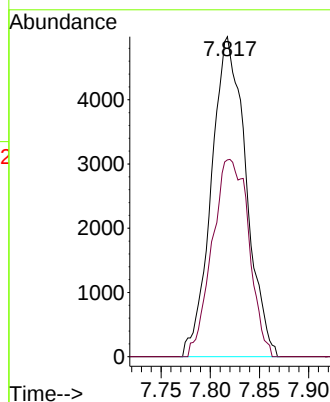
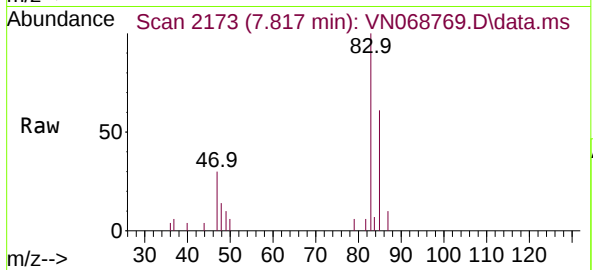
83 100

85 61.5 51.5 77.3

Instrument :

MSVOA_N

ClientSampleId :



#31

Cyclohexane

Concen: Below Cal

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN068769.D

Acq: 30 Sep 2021 17:55

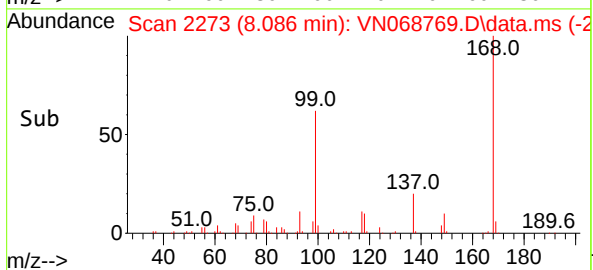
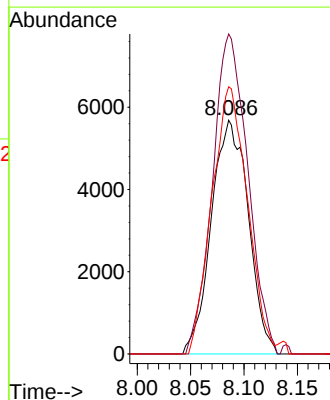
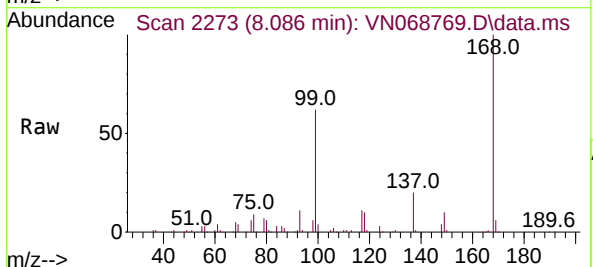
Tgt Ion: 56 Resp: 13653

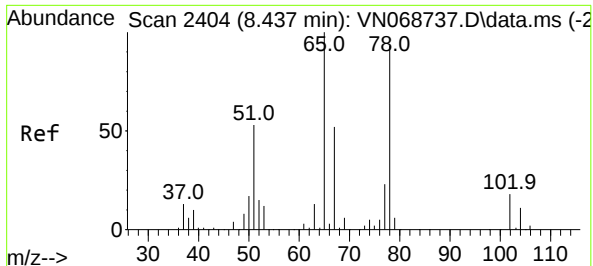
Ion Ratio Lower Upper

56 100

69 136.9 27.3 40.9#

84 114.3 64.9 97.3#



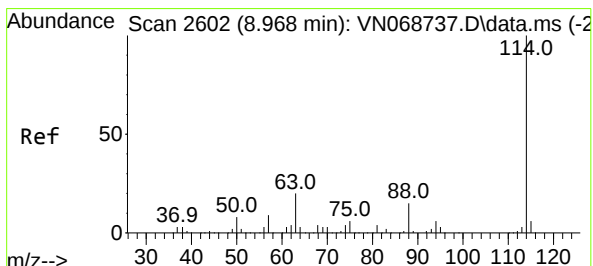
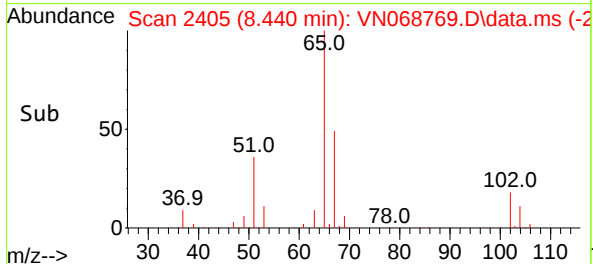
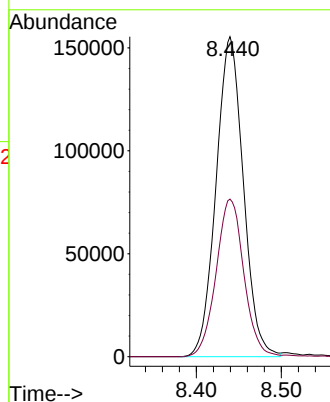
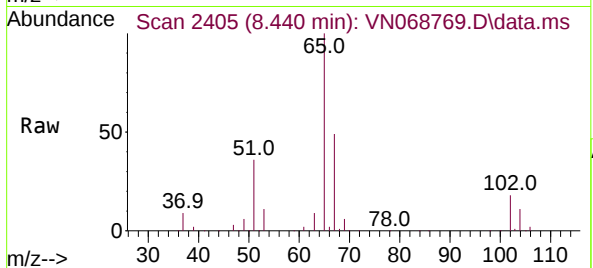


#33

1,2-Dichloroethane-d4
Concen: 49.512 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Instrument :
MSVOA_N
ClientSampled :

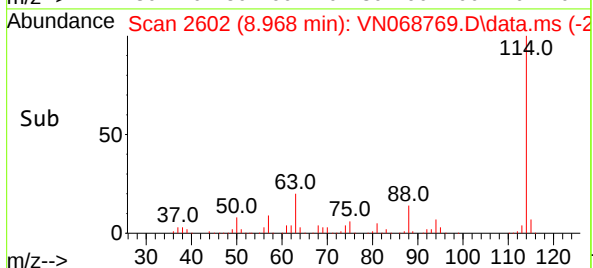
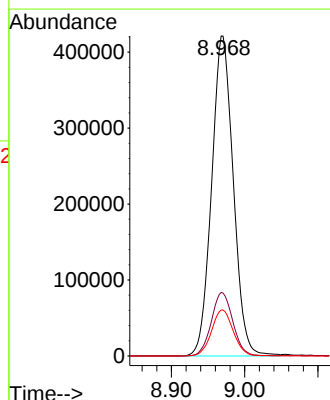
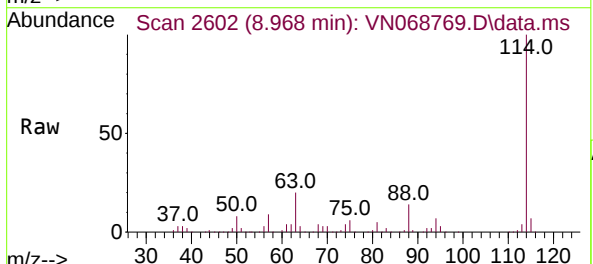
Tgt Ion: 65 Resp: 346949
Ion Ratio Lower Upper
65 100
67 50.0 0.0 98.6

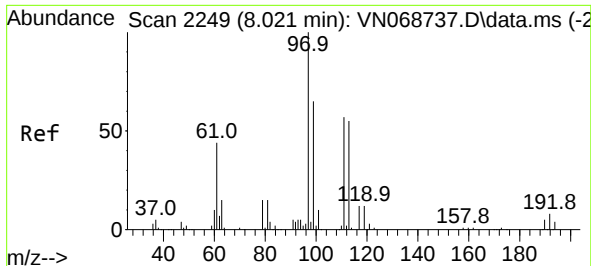


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 114 Resp: 865143
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.4 0.0 36.6

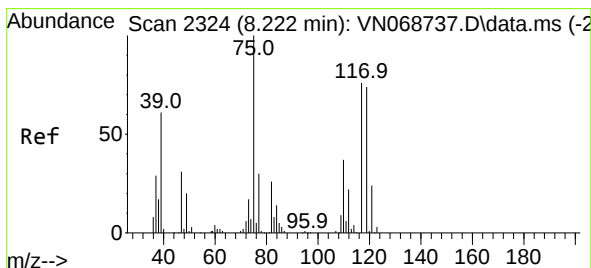
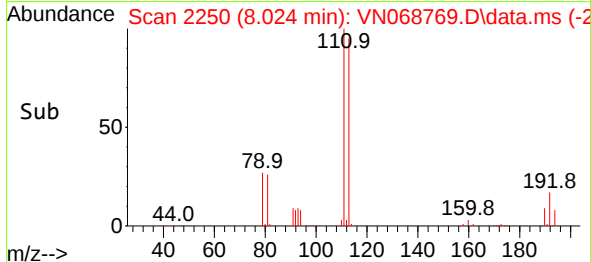
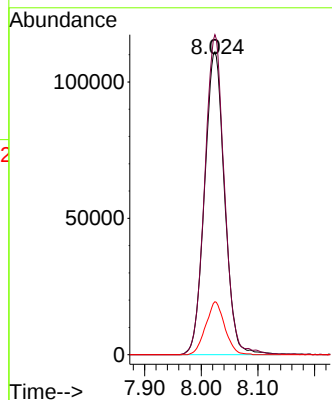
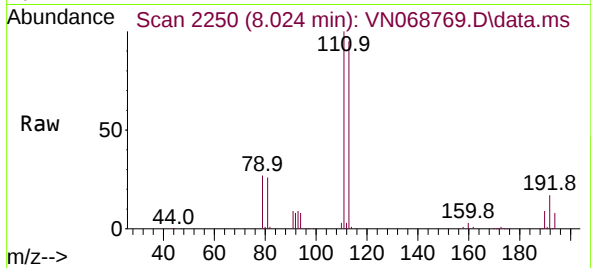




#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

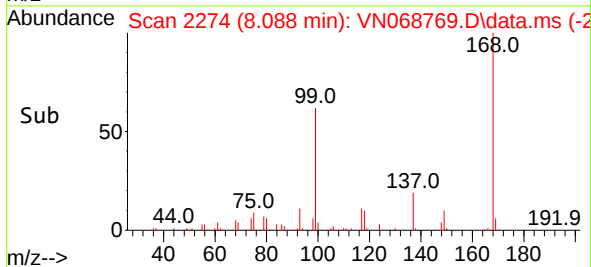
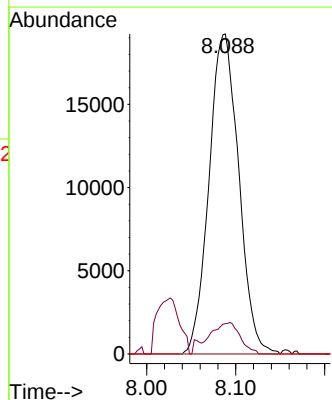
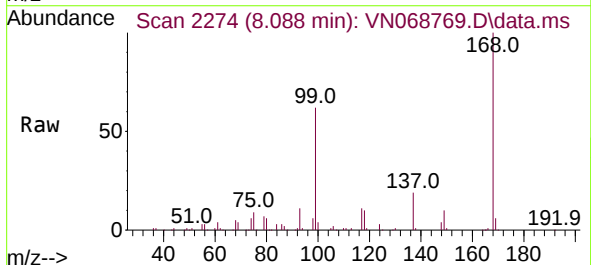
Instrument :
MSVOA_N
ClientSampled :

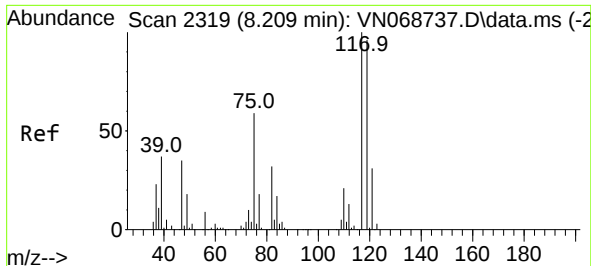
Tgt Ion:113 Resp: 272445
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 16.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.488 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

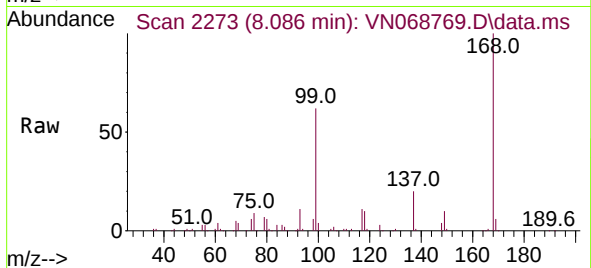
Tgt Ion: 75 Resp: 44655
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



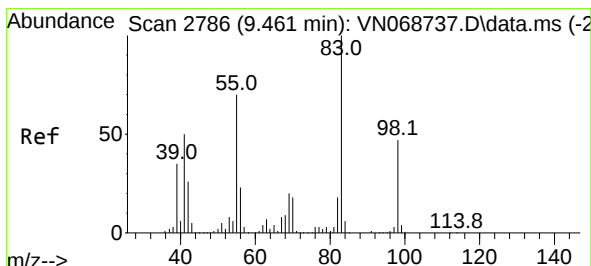
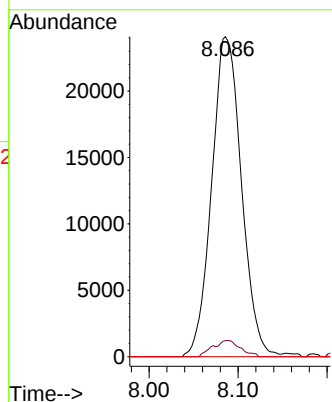
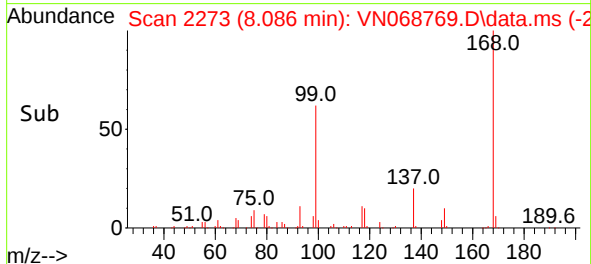


#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

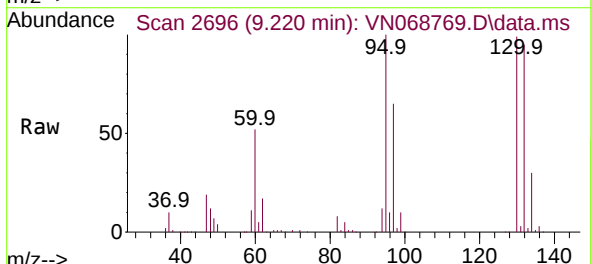
Instrument :
MSVOA_N
ClientSampled :



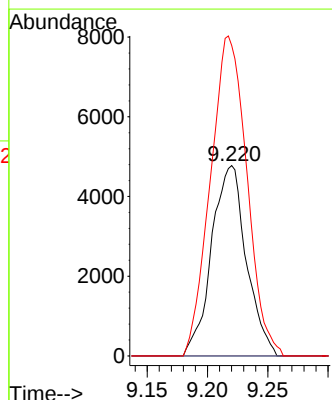
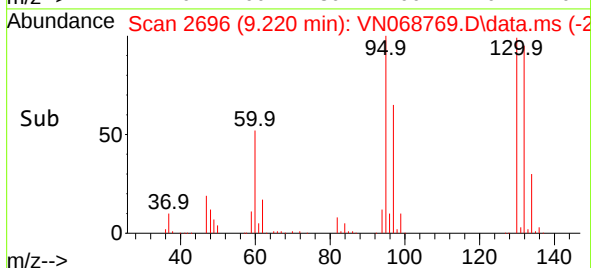
Tgt Ion:117 Resp: 55893
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

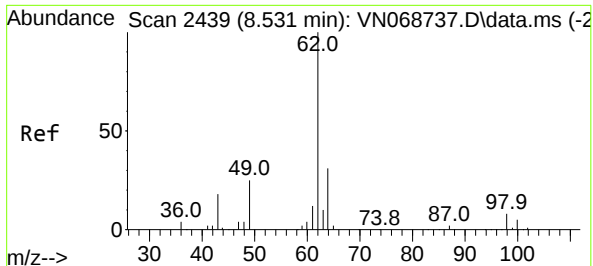


#39
Methylcyclohexane
Concen: 1.015 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. -0.241 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55



Tgt Ion: 83 Resp: 9569
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 163.0 35.3 52.9#





#42

1,2-Dichloroethane

Concen: 0.663 ug/l

RT: 8.528 min Scan# 2438

Delta R.T. -0.003 min

Lab File: VN068769.D

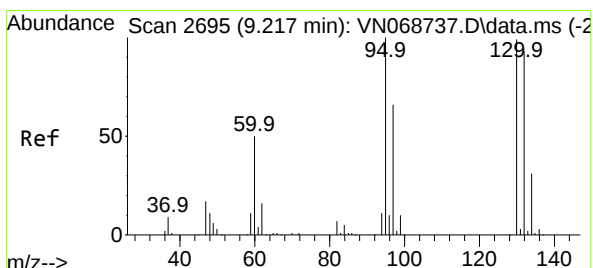
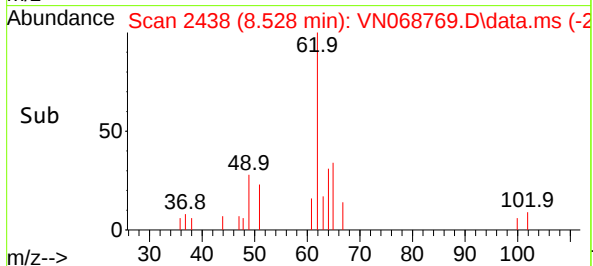
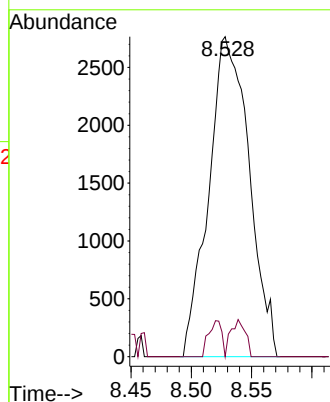
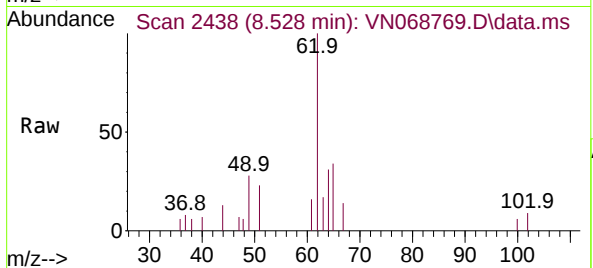
Acq: 30 Sep 2021 17:55

Tgt Ion: 62 Resp: 6452

Ion Ratio Lower Upper

62 100

98 3.6 0.0 14.2



#44

Trichloroethene

Concen: 100.711 ug/l

RT: 9.217 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN068769.D

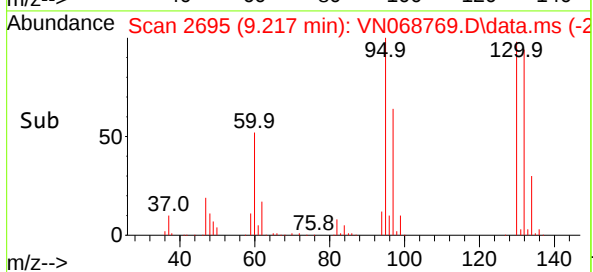
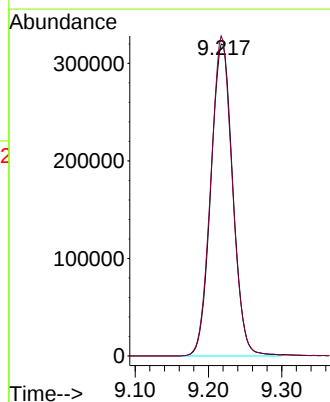
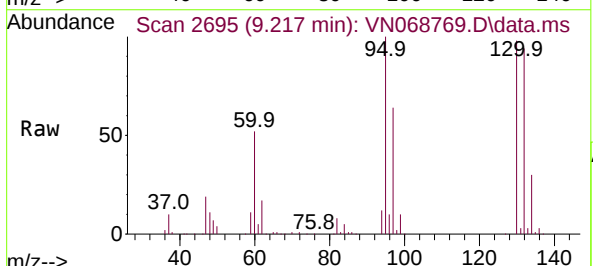
Acq: 30 Sep 2021 17:55

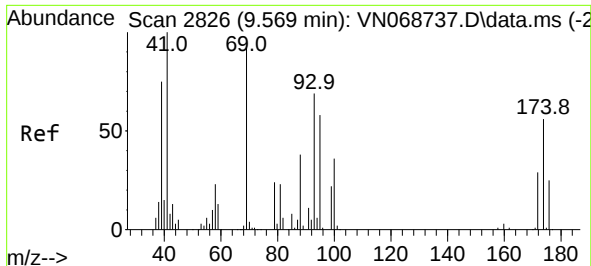
Tgt Ion: 130 Resp: 666025

Ion Ratio Lower Upper

130 100

95 102.6 0.0 234.4





#49

1,4-Dioxane

Concen: 1.682 ug/l

RT: 9.574 min Scan# 2828

Delta R.T. 0.005 min

Lab File: VN068769.D

Acq: 30 Sep 2021 17:55

Tgt Ion: 88 Resp: 162

Ion Ratio Lower Upper

88 100

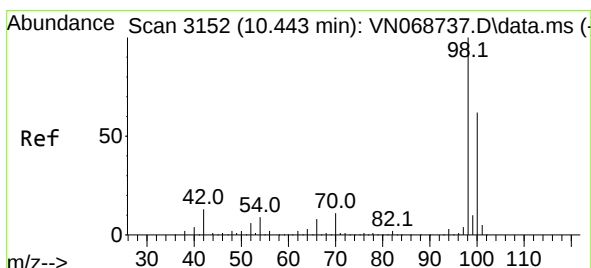
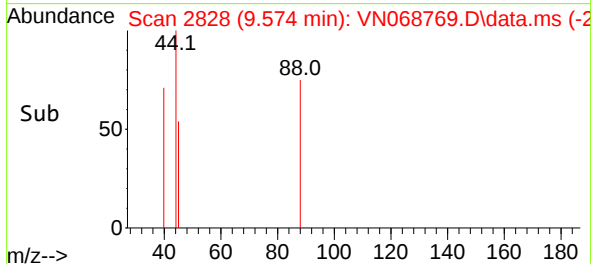
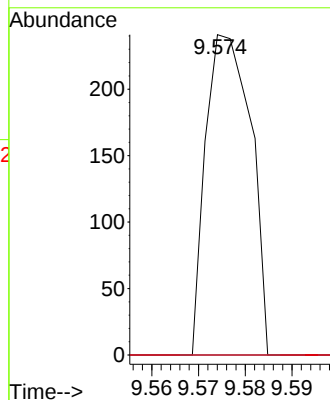
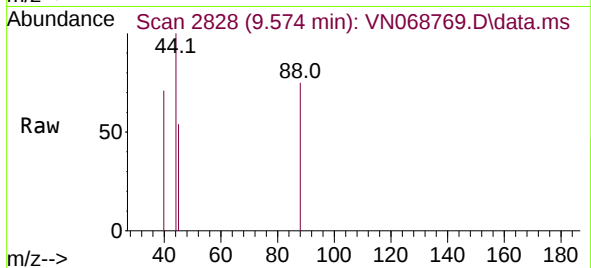
43 0.0 28.8 43.2#

58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 54.231 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068769.D

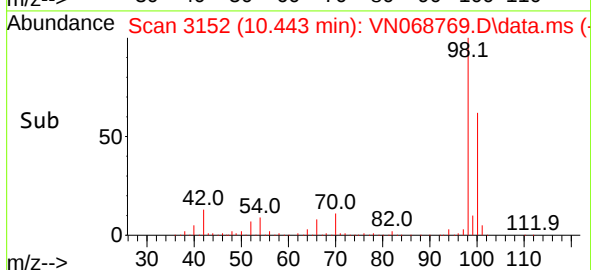
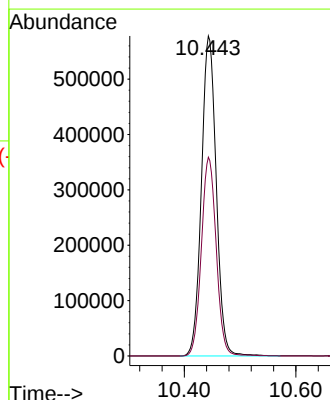
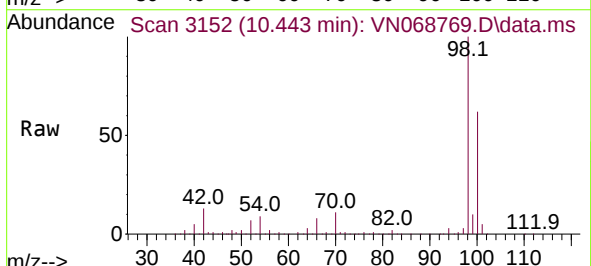
Acq: 30 Sep 2021 17:55

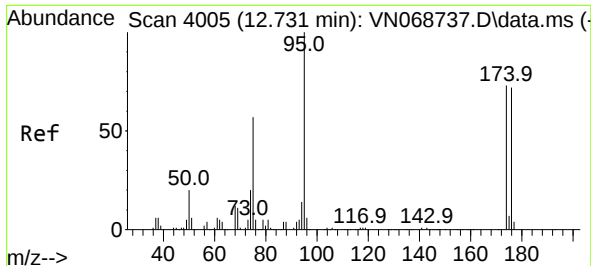
Tgt Ion: 98 Resp: 1065228

Ion Ratio Lower Upper

98 100

100 62.3 51.7 77.5

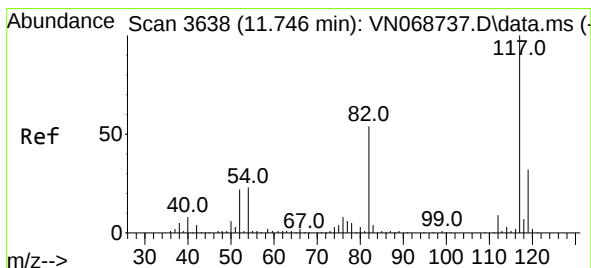
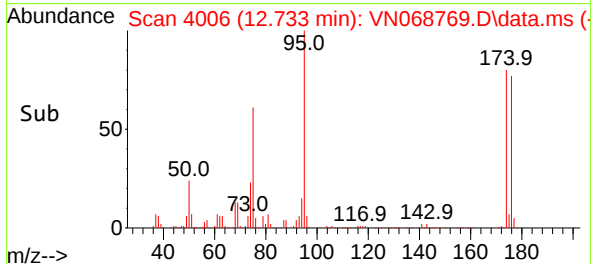
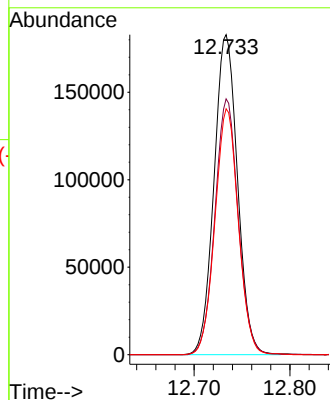
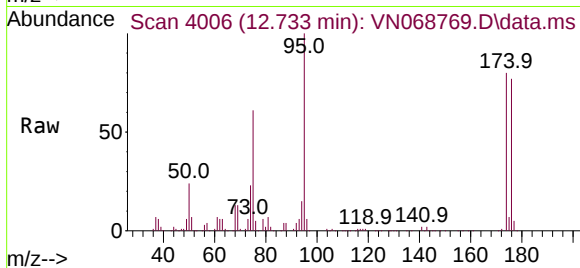




#62
4-Bromofluorobenzene
Concen: 45.545 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

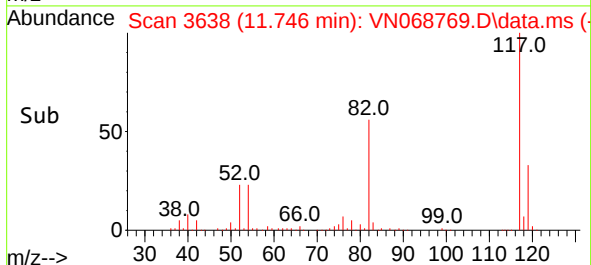
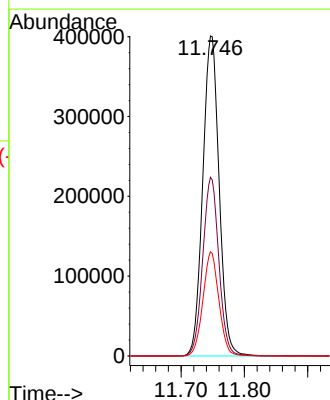
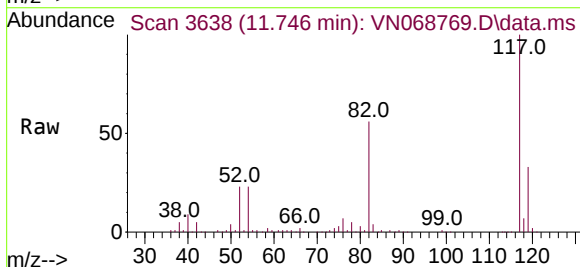
Instrument :
MSVOA_N
ClientSampled :

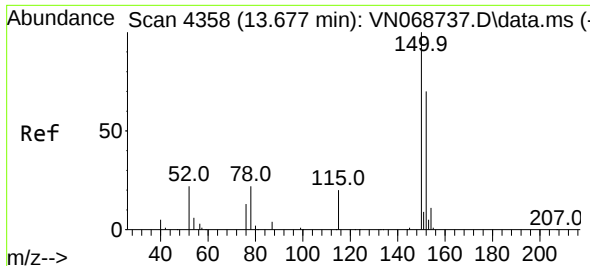
Tgt Ion: 95 Resp: 310861
Ion Ratio Lower Upper
95 100
174 79.4 0.0 122.0
176 76.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 117 Resp: 718390
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 32.6 25.5 38.3

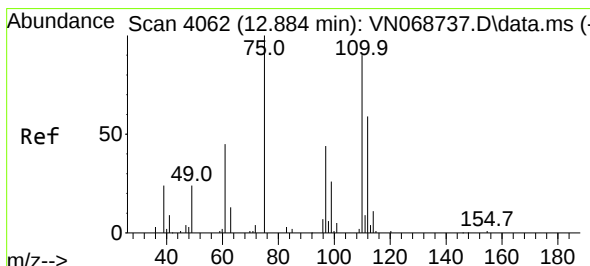
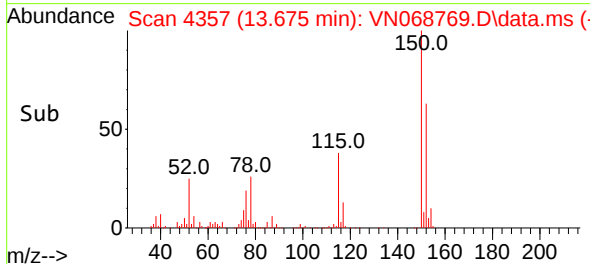
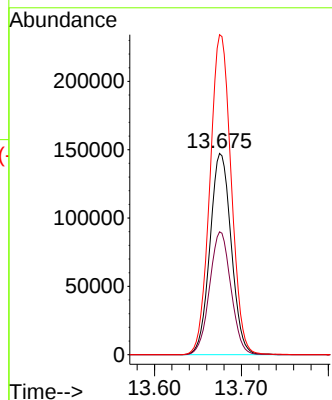
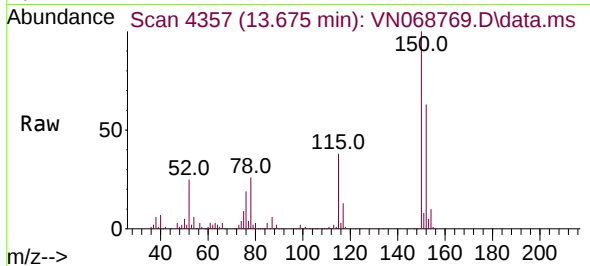




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

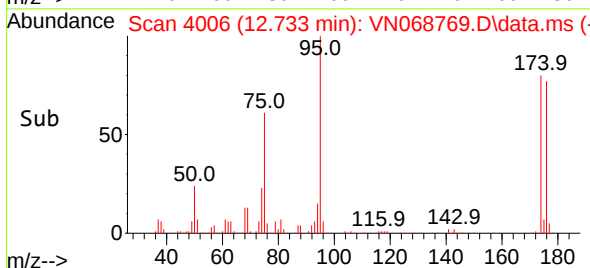
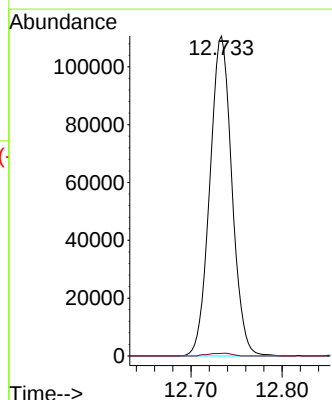
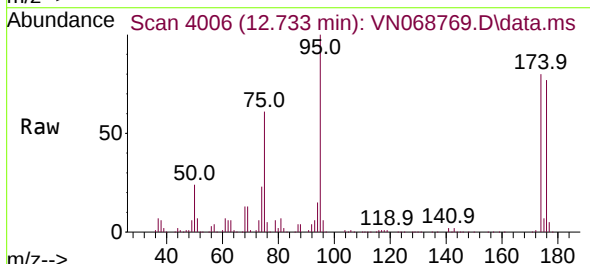
Instrument :
MSVOA_N
ClientSampled :

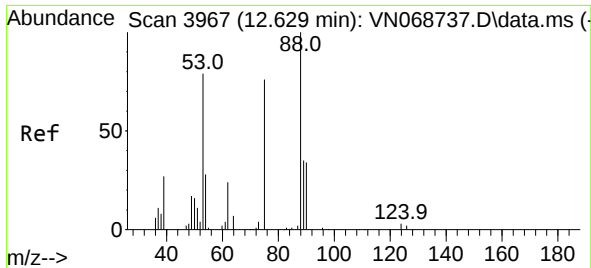
Tgt Ion:152 Resp: 250589
Ion Ratio Lower Upper
152 100
115 61.1 36.1 108.5
150 158.8 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 33.387 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion: 75 Resp: 186060
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

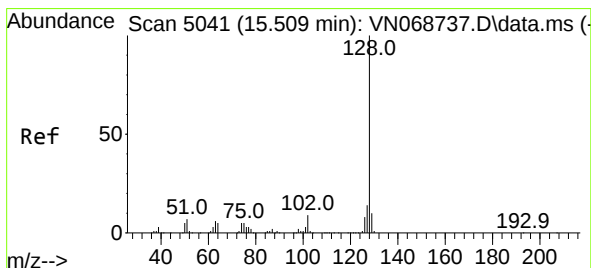
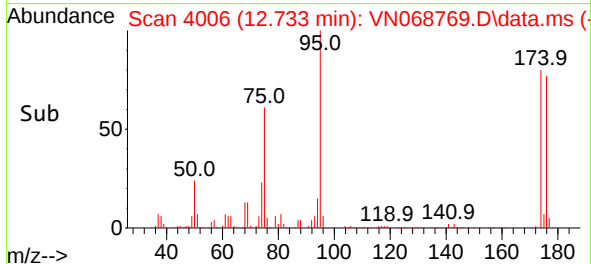
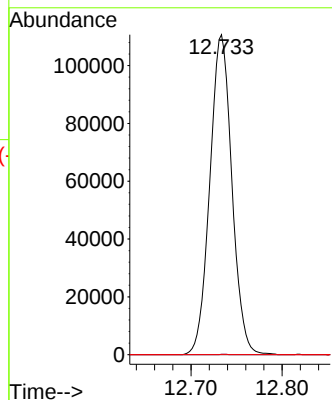
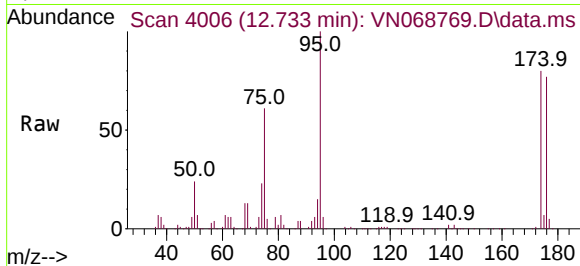




#81
trans-1,4-Dichloro-2-butene
Concen: 97.056 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 186060
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 1.553 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN068769.D
Acq: 30 Sep 2021 17:55

Tgt Ion:128 Resp: 1295
Ion Ratio Lower Upper
128 100
127 1.9 10.6 15.8#
129 0.0 8.6 12.8#

