

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068882.D
 Acq On : 13 Oct 2021 00:02
 Operator : JC/MD
 Sample : M4159-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 08:25:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

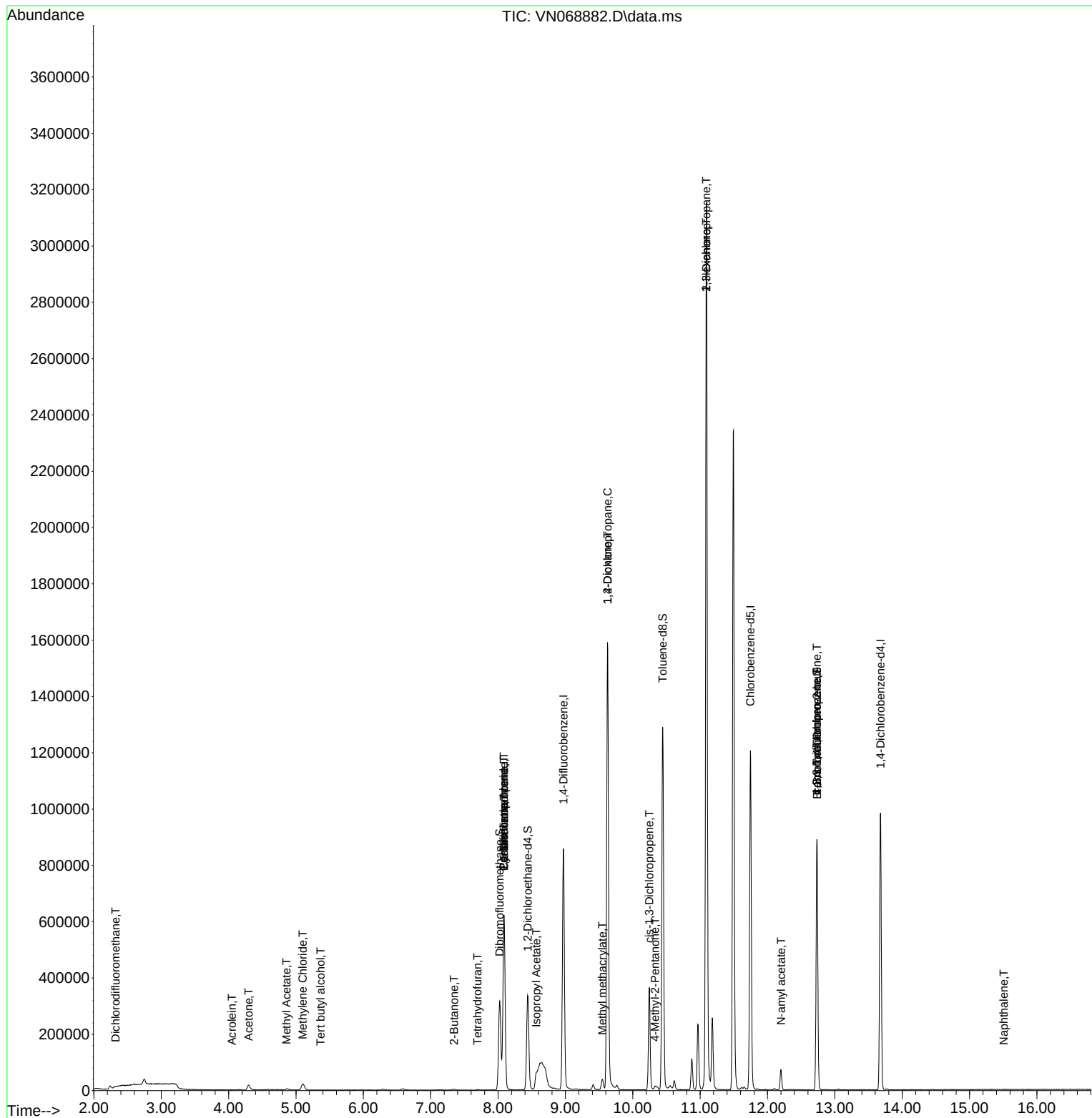
Internal Standards						
1) Pentafluorobenzene	8.088	168	487676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	777385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	709257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	270383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	284420	44.234	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 88.460%			
35) Dibromofluoromethane	8.024	113	234849	51.924	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.840%			
50) Toluene-d8	10.443	98	935567	51.698	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.733	95	321394	47.072	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.322	85	128	1.264	ug/l #	42
11) Tert butyl alcohol	5.363	59	242	0.206	ug/l #	1
13) Acrolein	4.046	56	377	0.725	ug/l #	77
16) Acetone	4.296	43	31829	13.265	ug/l	99
18) Methyl Acetate	4.859	43	3858	0.424	ug/l #	84
20) Methylene Chloride	5.100	84	18268	3.308	ug/l	96
25) 2-Butanone	7.345	43	4654	1.283	ug/l	98
29) Tetrahydrofuran	7.694	42	1083	0.460	ug/l #	80
31) Cyclohexane	8.088	56	10591	1.059	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	36607	5.513	ug/l #	49
38) Carbon Tetrachloride	8.088	117	48700	6.678	ug/l #	16
43) Isopropyl Acetate	8.568	43	64297	5.314	ug/l #	79
45) 1,2-Dichloropropane	9.628	63	2060	0.393	ug/l #	43
48) Methyl methacrylate	9.547	41	9992	1.757	ug/l #	15
49) 1,4-Dioxane	9.628	88	184	37.235	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	6473	0.923	ug/l #	71
54) cis-1,3-Dichloropropene	10.245	75	69932	7.995	ug/l #	56
57) 1,3-Dichloropropane	11.092	76	35109	4.151	ug/l #	42
59) 2-Hexanone	11.092	43	498952	99.167	ug/l #	50
71) Bromoform	12.736	173	2109	0.501	ug/l #	1
74) N-amyl acetate	12.200	43	24053	2.821	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	165282	28.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	165282	68.734	ug/l #	12
95) Naphthalene	15.507	128	888	3.877	ug/l #	69

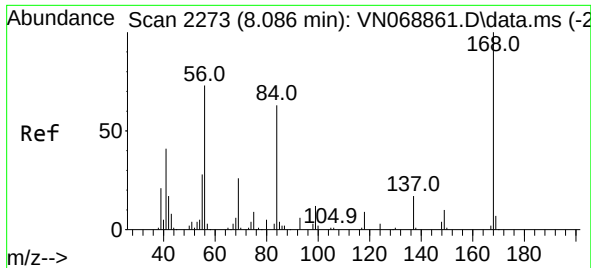
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

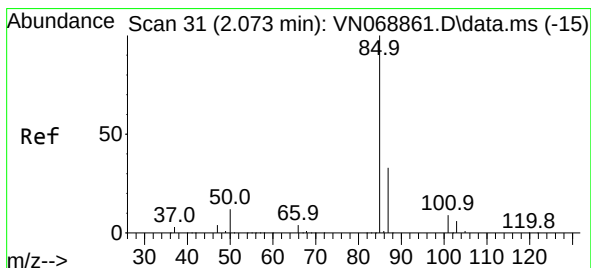
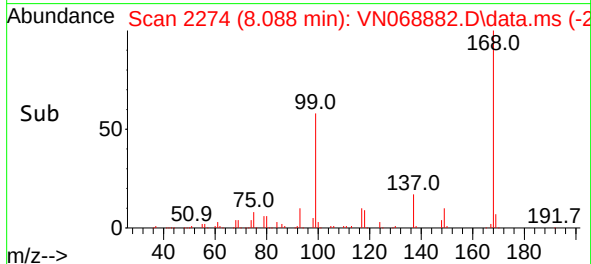
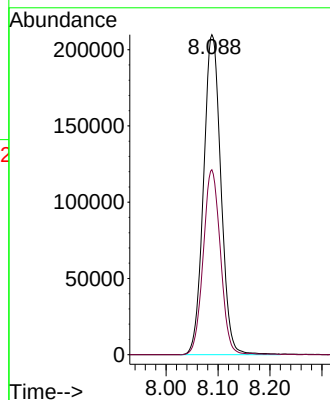
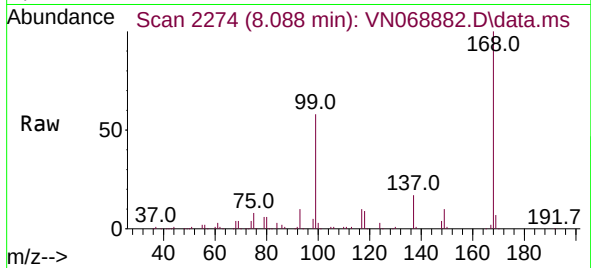




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

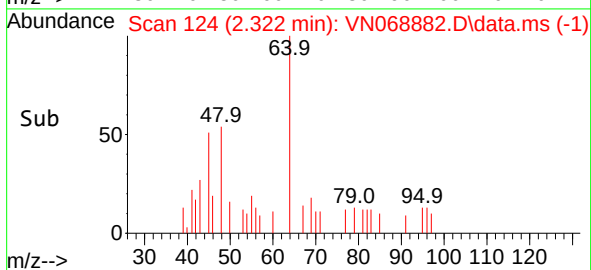
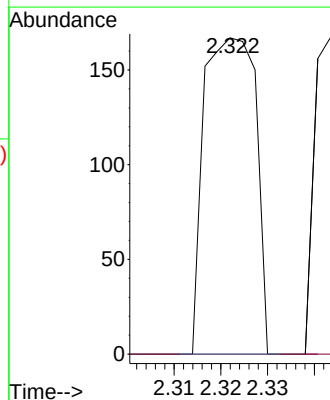
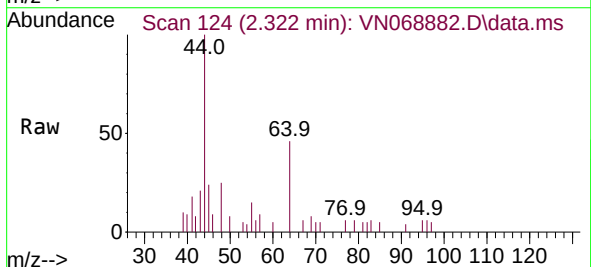
Instrument :
MSVOA_N
ClientSampled :

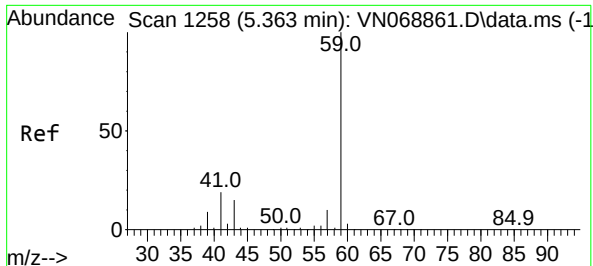
Tgt Ion:168 Resp: 487676
Ion Ratio Lower Upper
168 100
99 57.8 48.9 73.3



#2
Dichlorodifluoromethane
Concen: 1.264 ug/l
RT: 2.322 min Scan# 124
Delta R.T. 0.249 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 85 Resp: 128
Ion Ratio Lower Upper
85 100
87 0.0 16.3 48.8#



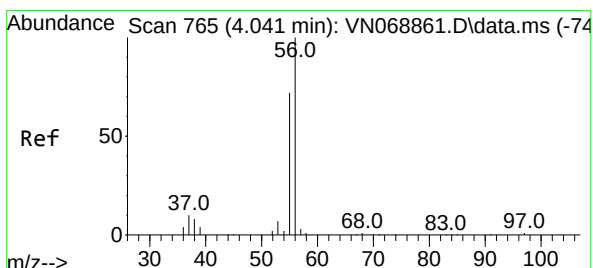
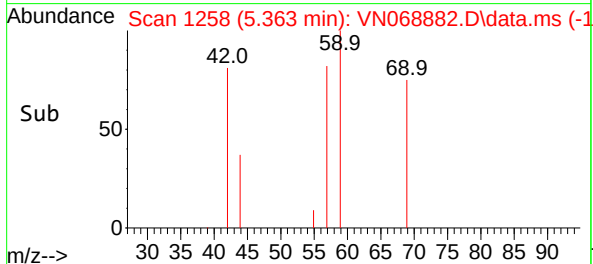
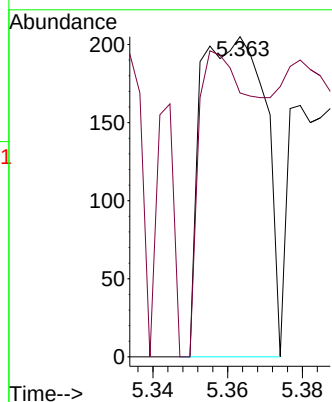
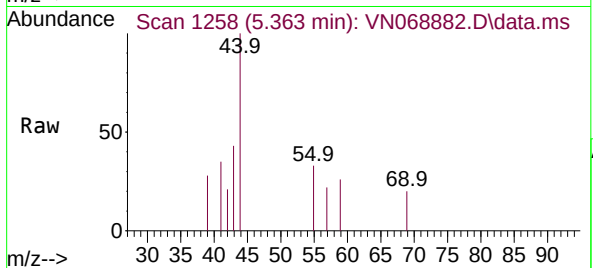


#11

Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Instrument :
MSVOA_N
ClientSampled :

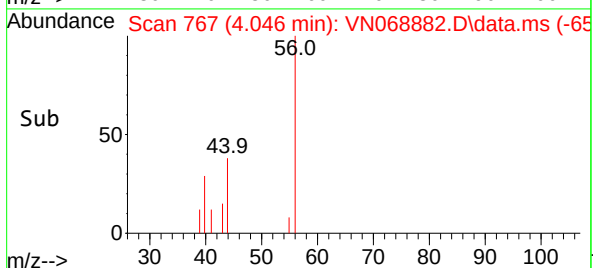
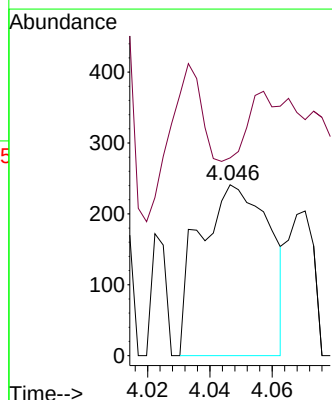
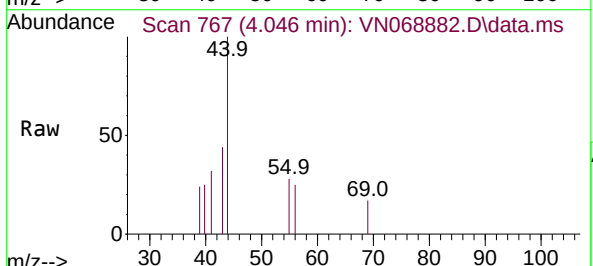
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 82.6 8.3 12.5#

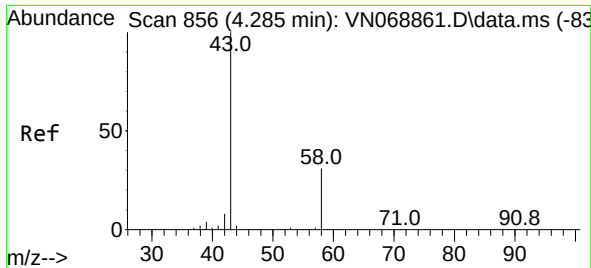


#13

Acrolein
Concen: 0.725 ug/l
RT: 4.046 min Scan# 767
Delta R.T. 0.005 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 56 Resp: 377
Ion Ratio Lower Upper
56 100
55 53.6 58.1 87.1#

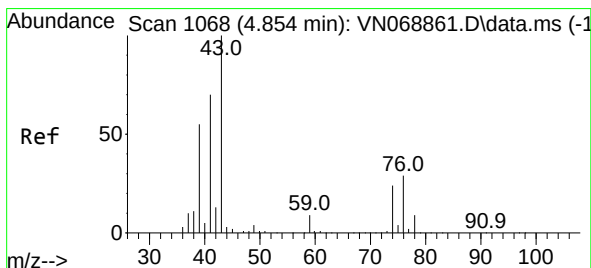
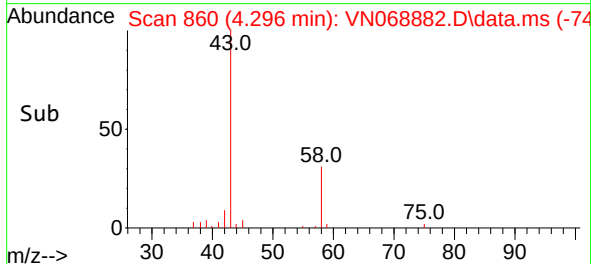
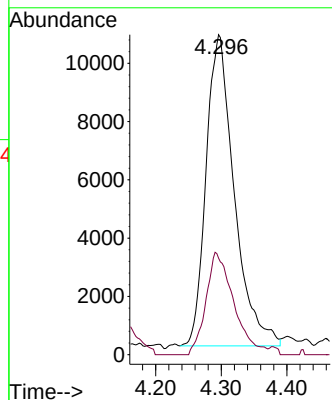
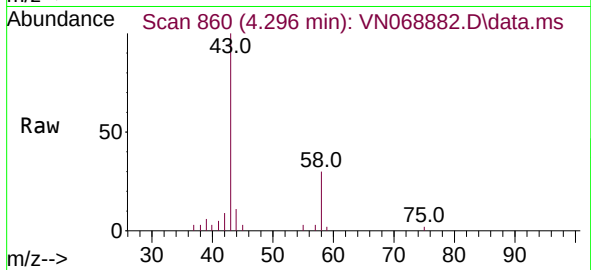




#16
Acetone
Concen: 13.265 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

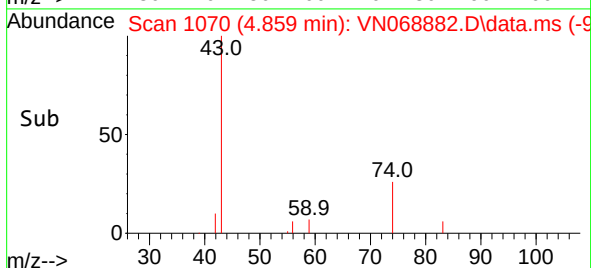
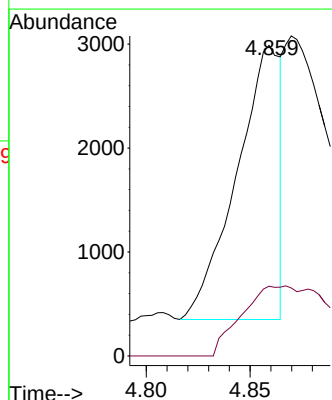
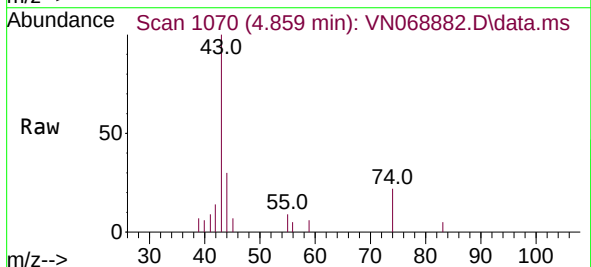
Instrument :
MSVOA_N
ClientSampled :

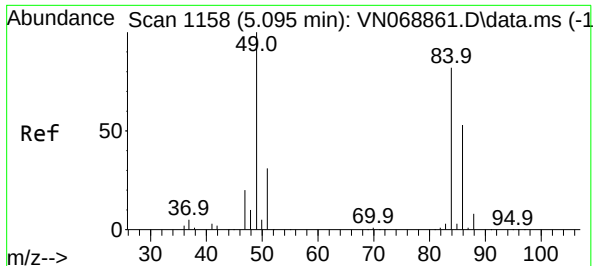
Tgt Ion: 43 Resp: 31829
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7



#18
Methyl Acetate
Concen: 0.424 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 31.3 18.9 28.3#

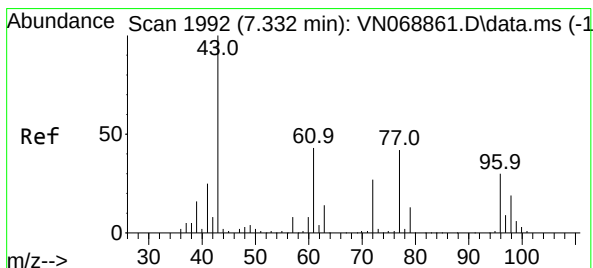
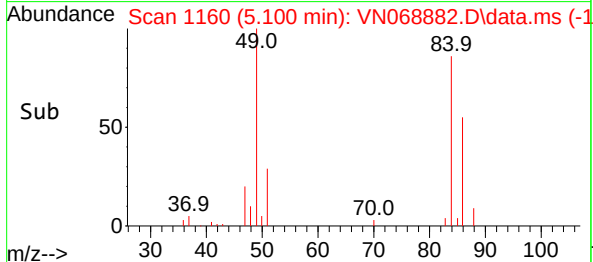
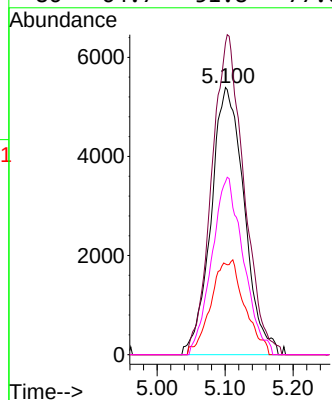
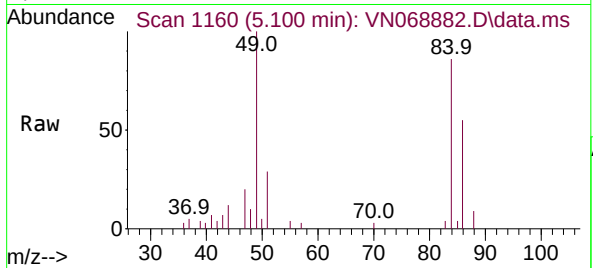




#20
Methylene Chloride
Concen: 3.308 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. 0.005 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

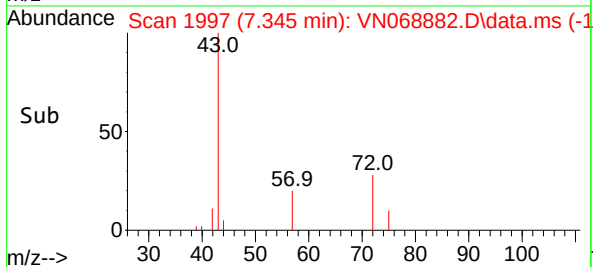
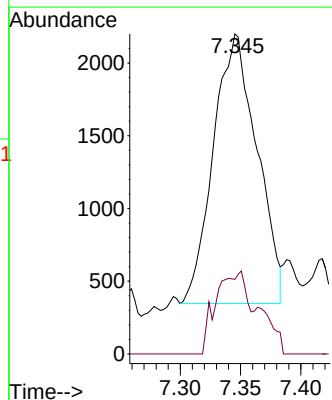
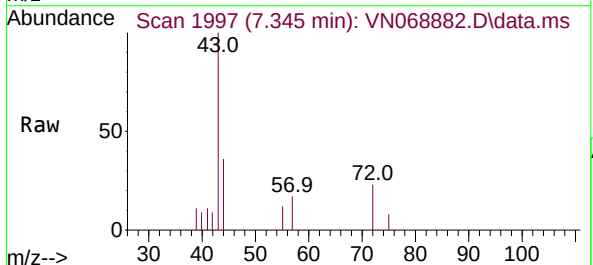
Instrument :
MSVOA_N
ClientSampled :

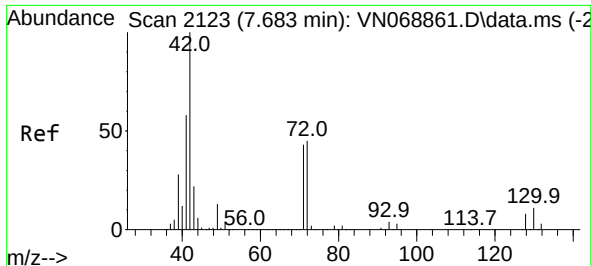
Tgt Ion:	84	Resp:	18268
Ion	Ratio	Lower	Upper
84	100		
49	116.6	97.6	146.4
51	33.9	30.3	45.5
86	64.7	51.8	77.6



#25
2-Butanone
Concen: 1.283 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion:	43	Resp:	4654
Ion	Ratio	Lower	Upper
43	100		
72	27.7	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.460 ug/l

RT: 7.694 min Scan# 2127

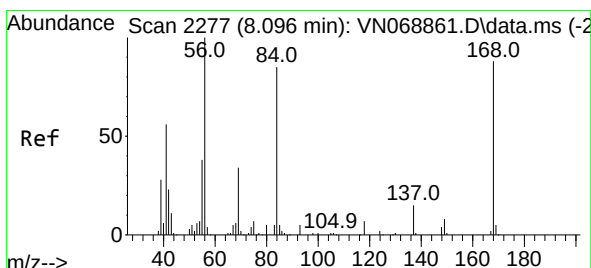
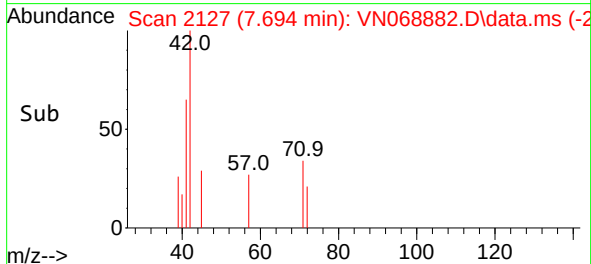
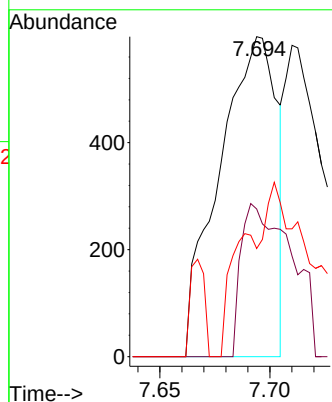
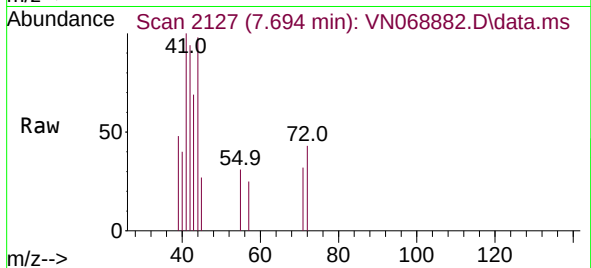
Delta R.T. 0.011 min

Lab File: VN068882.D

Acq: 13 Oct 2021 00:02

Tgt Ion:	42	Resp:	1083
Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.4	53.2
71	18.1	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.059 ug/l

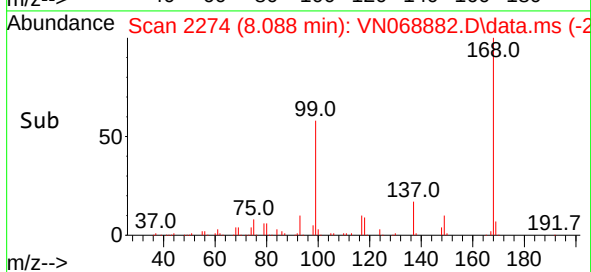
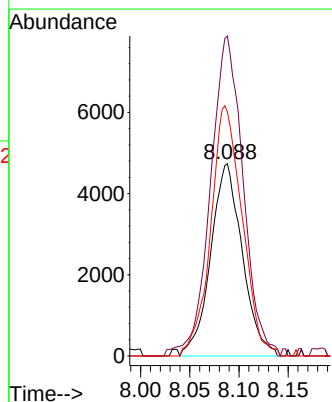
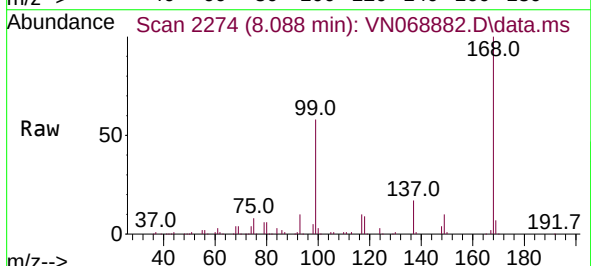
RT: 8.088 min Scan# 2274

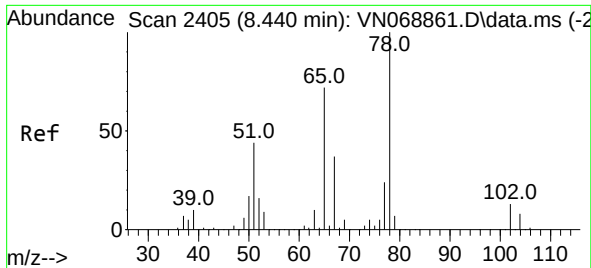
Delta R.T. -0.008 min

Lab File: VN068882.D

Acq: 13 Oct 2021 00:02

Tgt Ion:	56	Resp:	10591
Ion	Ratio	Lower	Upper
56	100		
69	166.5	26.9	40.3#
84	126.9	67.6	101.4#

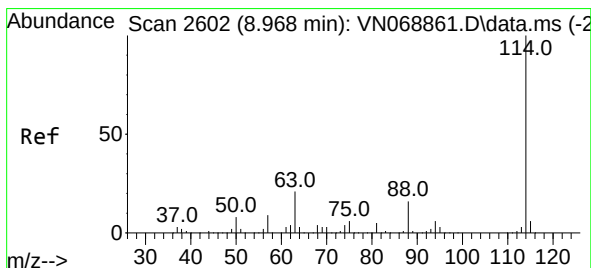
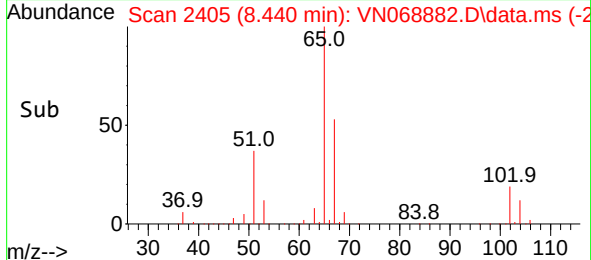
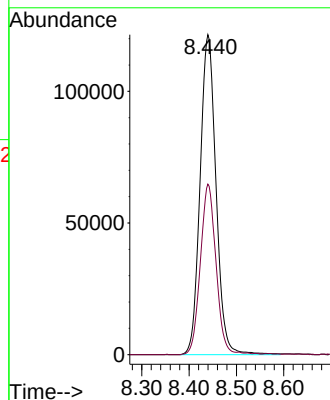
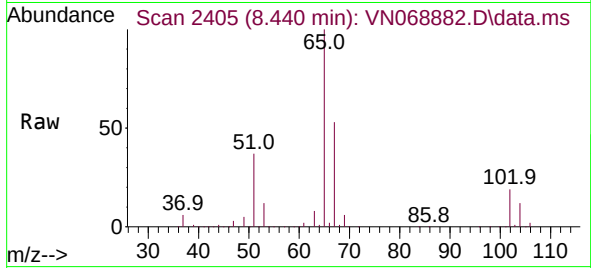




#33
 1,2-Dichloroethane-d4
 Concen: 44.234 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068882.D
 Acq: 13 Oct 2021 00:02

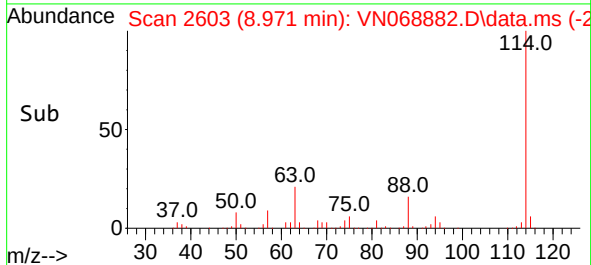
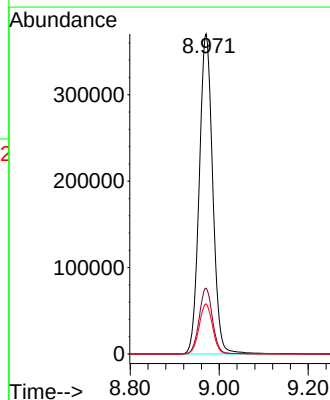
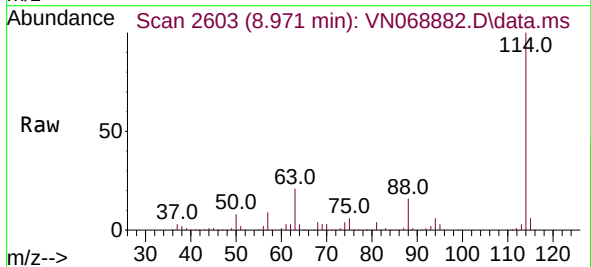
Instrument :
 MSVOA_N
 ClientSampled :

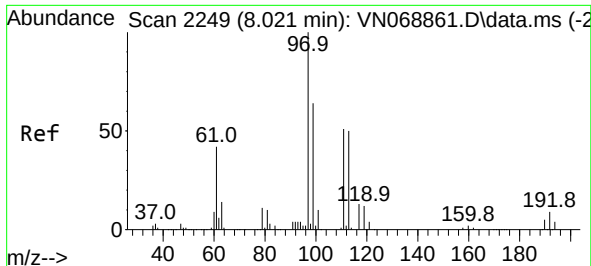
Tgt Ion: 65 Resp: 284420
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068882.D
 Acq: 13 Oct 2021 00:02

Tgt Ion: 114 Resp: 777385
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.6
 88 15.7 0.0 32.0

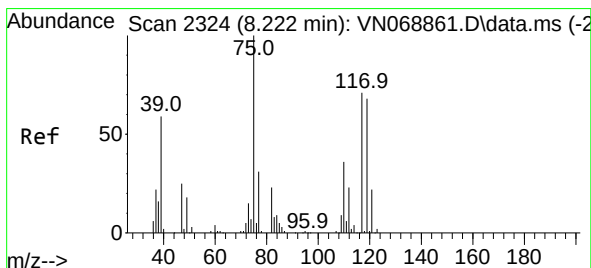
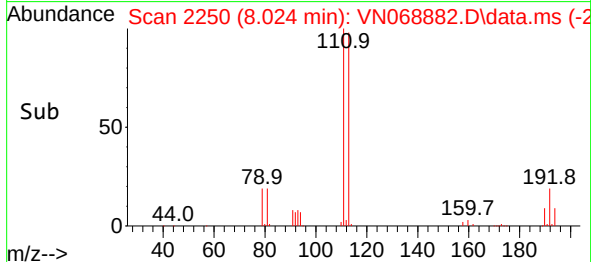
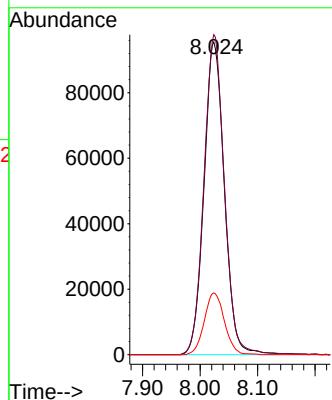
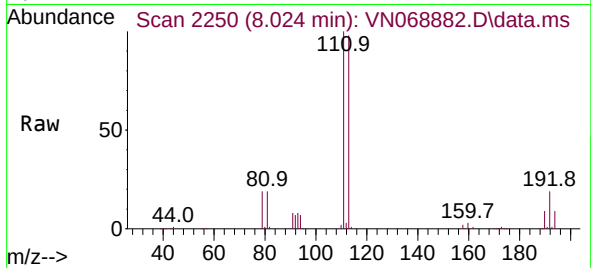




#35
Dibromofluoromethane
Concen: 51.924 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

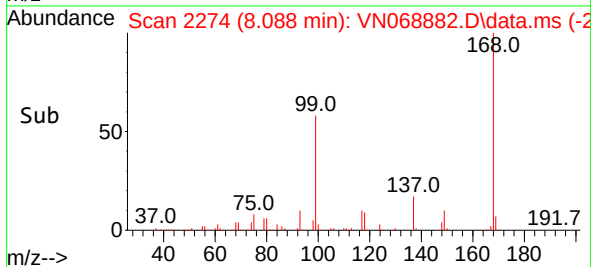
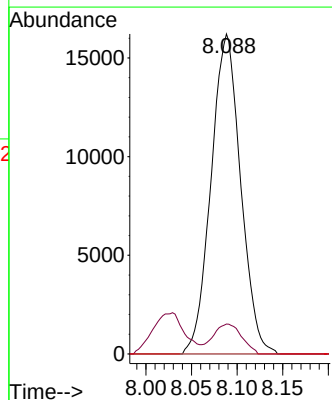
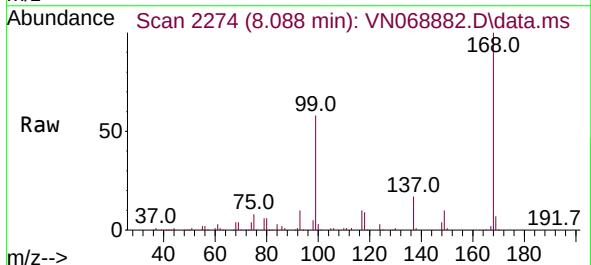
Instrument :
MSVOA_N
ClientSampled :

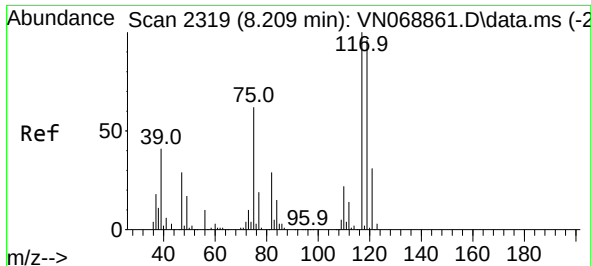
Tgt Ion:113 Resp: 234849
Ion Ratio Lower Upper
113 100
111 102.4 83.2 124.8
192 19.6 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.513 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 75 Resp: 36607
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#

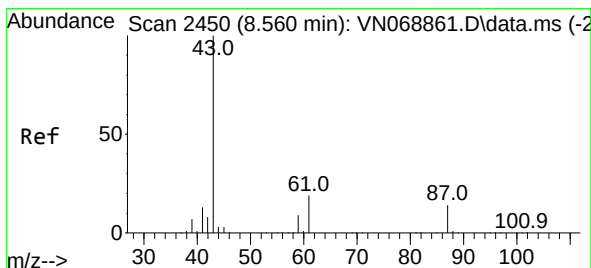
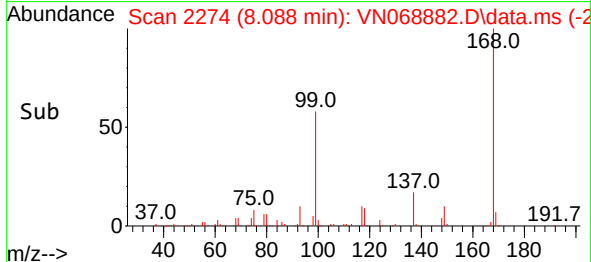
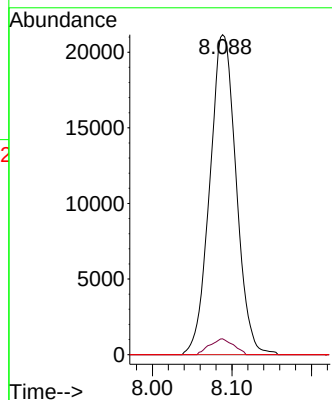
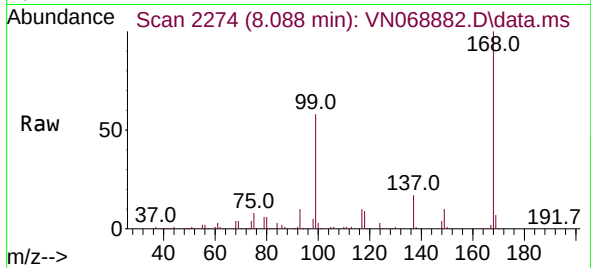




#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

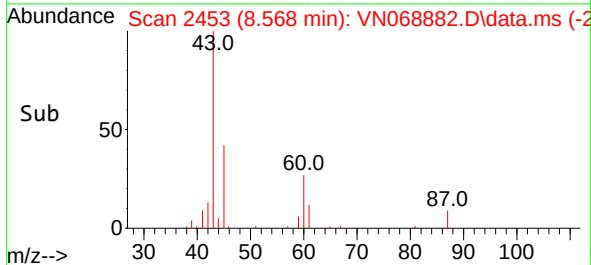
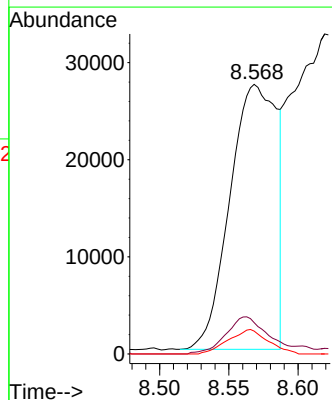
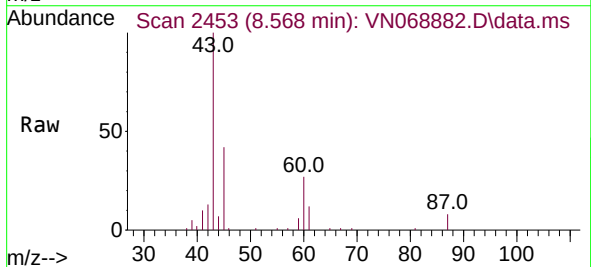
Instrument :
MSVOA_N
ClientSampled :

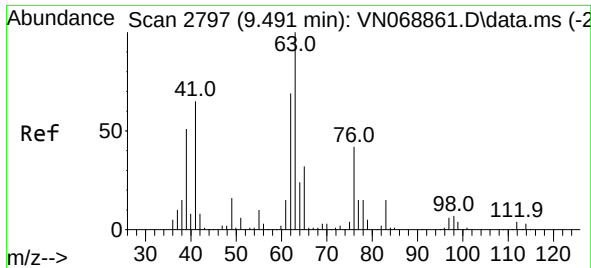
Tgt Ion:117 Resp: 48700
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 5.314 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 43 Resp: 64297
Ion Ratio Lower Upper
43 100
61 12.7 20.4 30.6#
87 7.8 10.7 16.1#

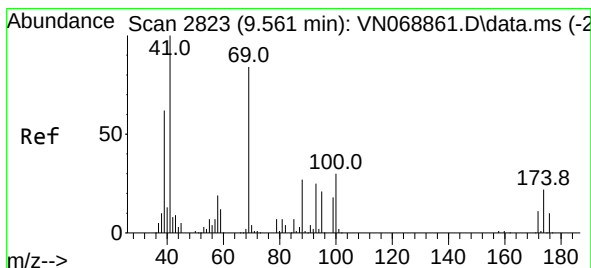
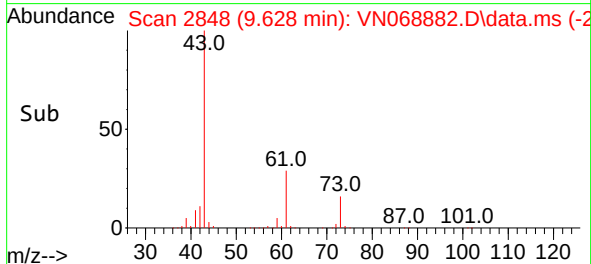
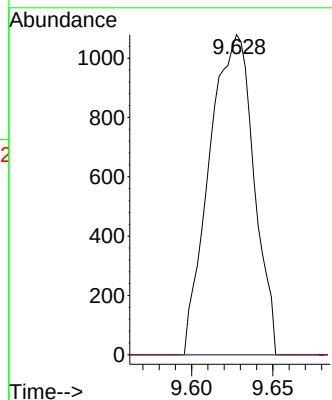
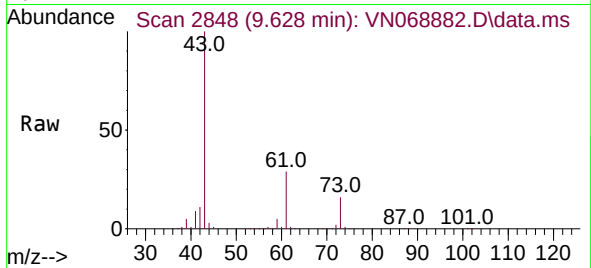




#45
1,2-Dichloropropane
Concen: 0.393 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

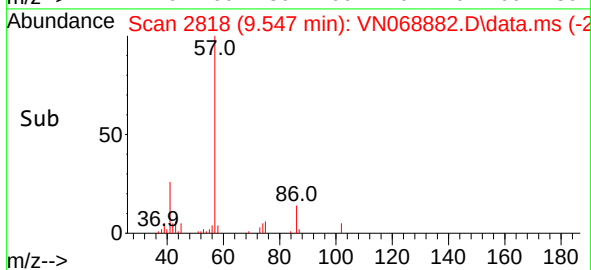
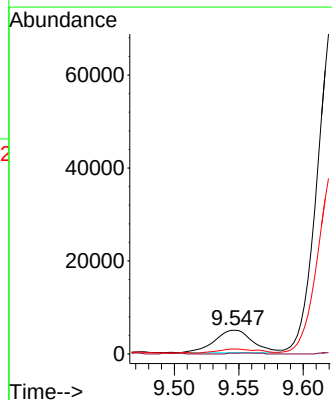
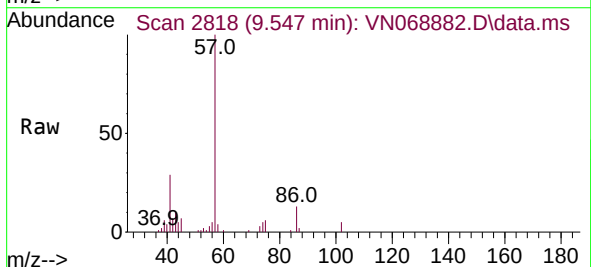
Instrument :
MSVOA_N
ClientSampled :

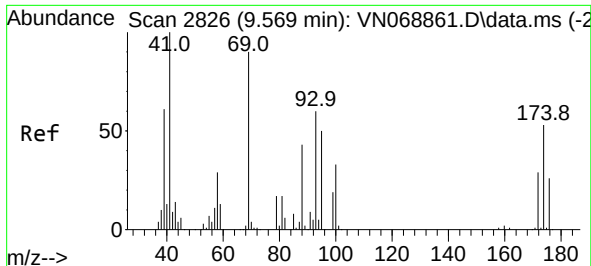
Tgt Ion: 63 Resp: 2060
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.757 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 41 Resp: 9992
Ion Ratio Lower Upper
41 100
69 3.3 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 37.235 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.059 min

Lab File: VN068882.D

Acq: 13 Oct 2021 00:02

Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

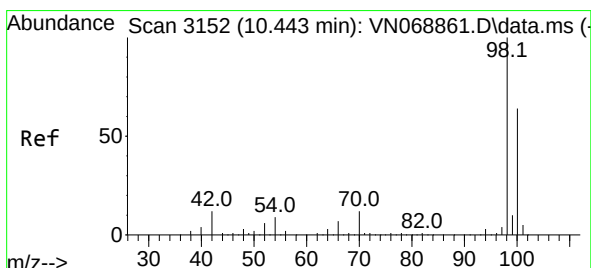
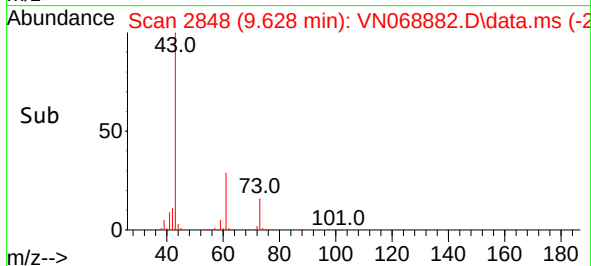
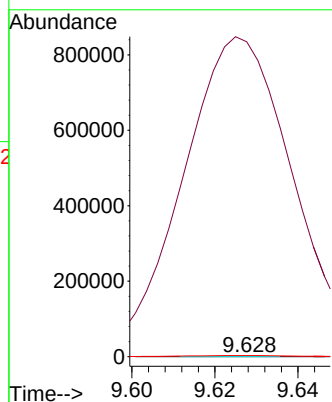
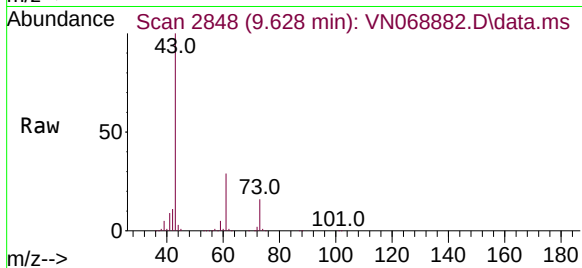
43 885836.4 24.9 37.3#

58 3224.5 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 51.698 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068882.D

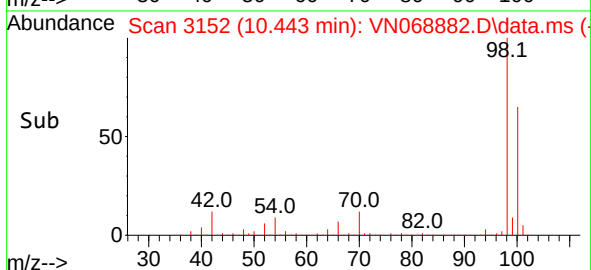
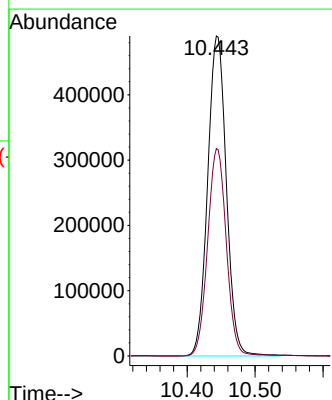
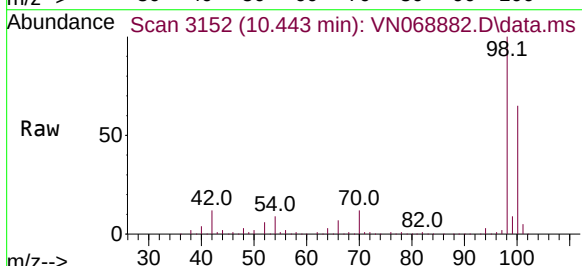
Acq: 13 Oct 2021 00:02

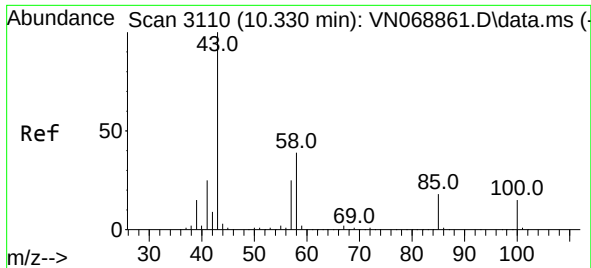
Tgt Ion: 98 Resp: 935567

Ion Ratio Lower Upper

98 100

100 64.7 51.5 77.3

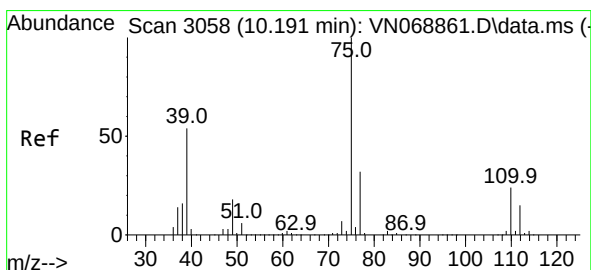
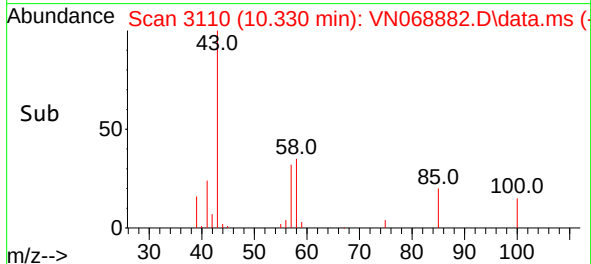
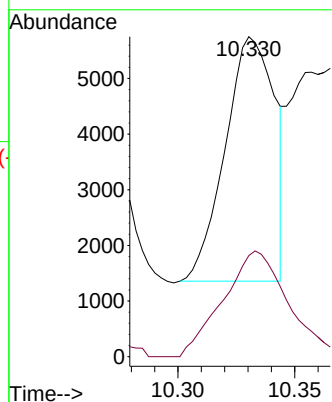
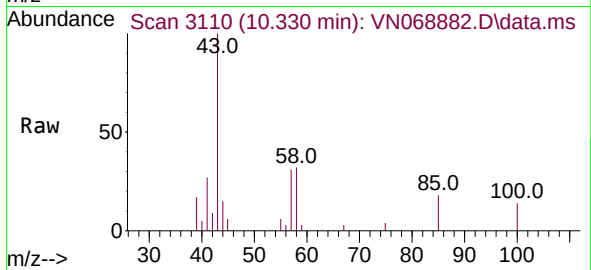




#51
4-Methyl-2-Pentanone
Concen: 0.923 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

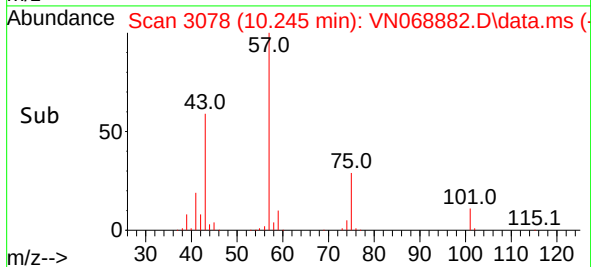
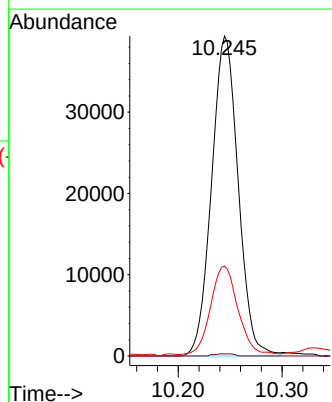
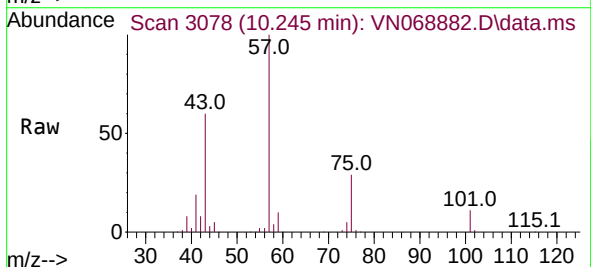
Instrument :
MSVOA_N
ClientSampled :

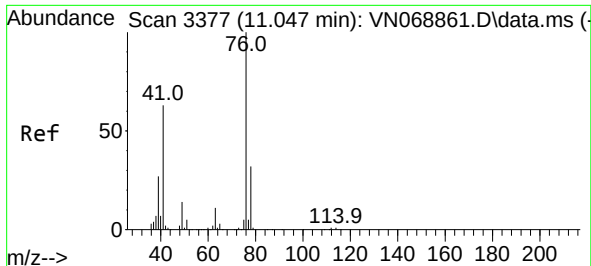
Tgt Ion: 43 Resp: 6473
Ion Ratio Lower Upper
43 100
58 56.2 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 7.995 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 75 Resp: 69932
Ion Ratio Lower Upper
75 100
77 0.7 25.6 38.4#
39 27.6 42.9 64.3#

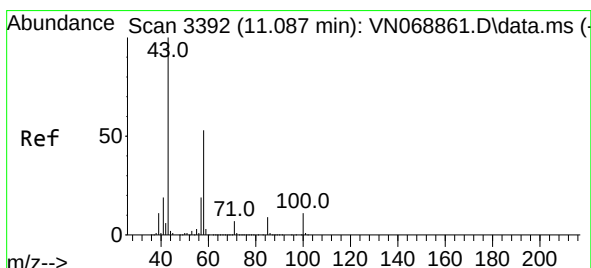
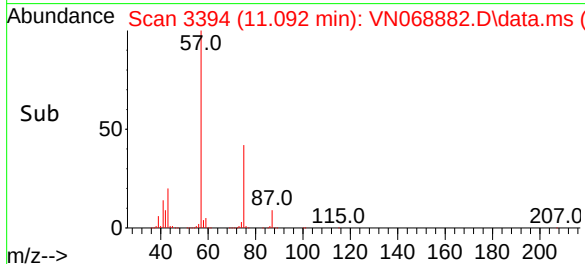
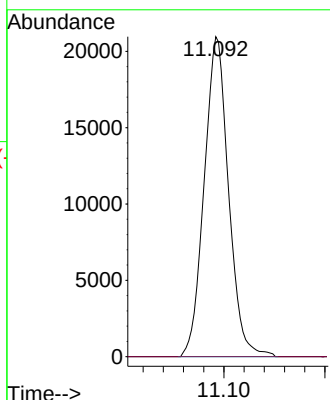
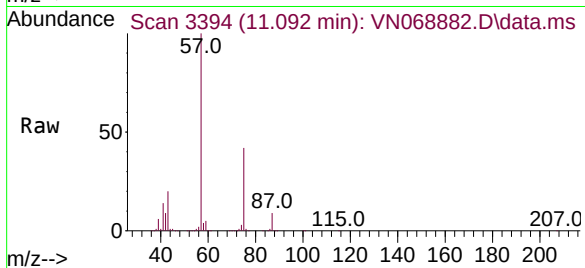




#57
1,3-Dichloropropane
Concen: 4.151 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

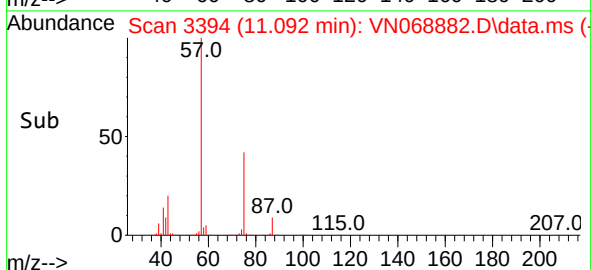
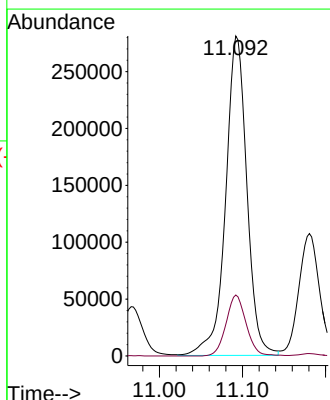
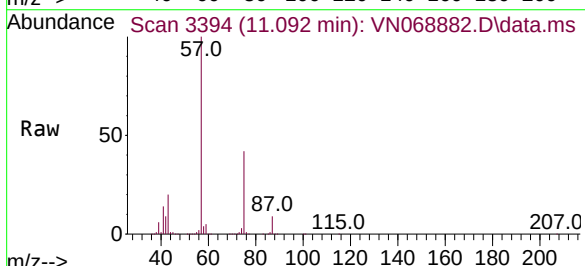
Instrument :
MSVOA_N
ClientSampled :

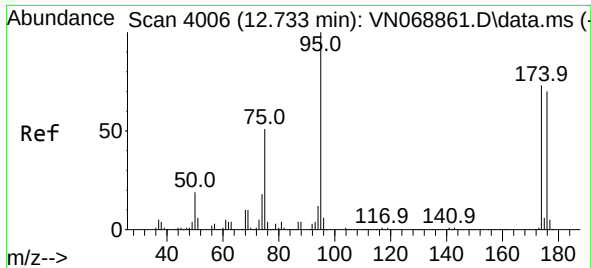
Tgt Ion: 76 Resp: 35109
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 99.167 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 43 Resp: 498952
Ion Ratio Lower Upper
43 100
58 18.1 26.9 80.7#

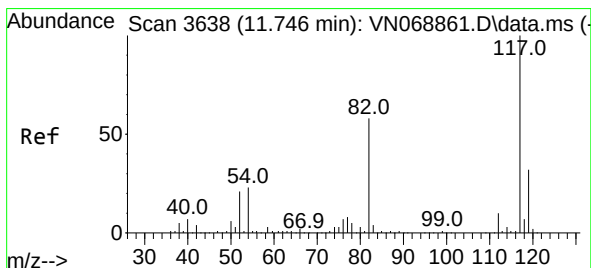
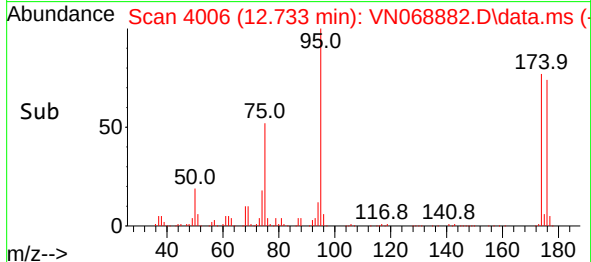
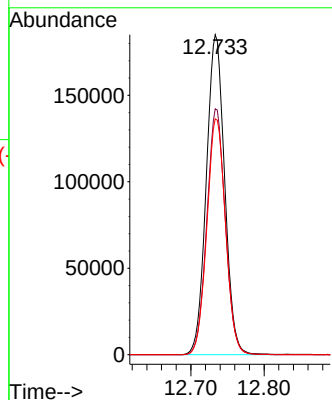
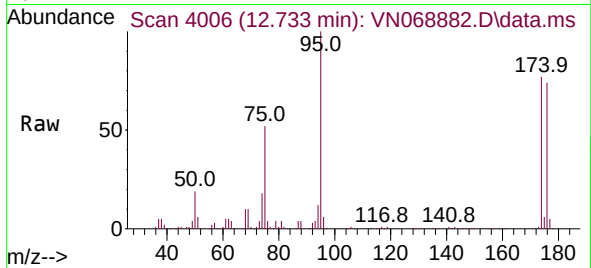




#62
4-Bromofluorobenzene
Concen: 47.072 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

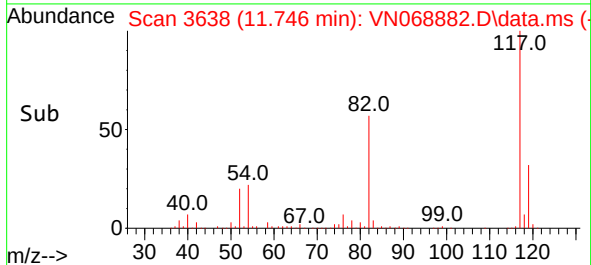
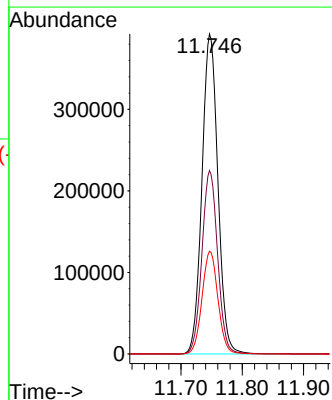
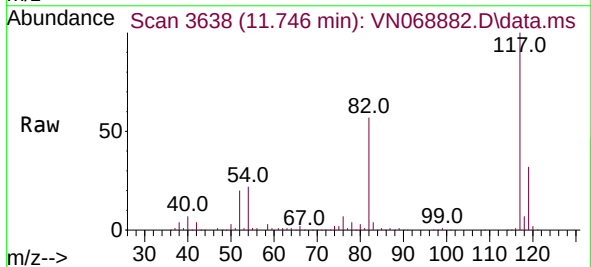
Instrument :
MSVOA_N
ClientSampleId :

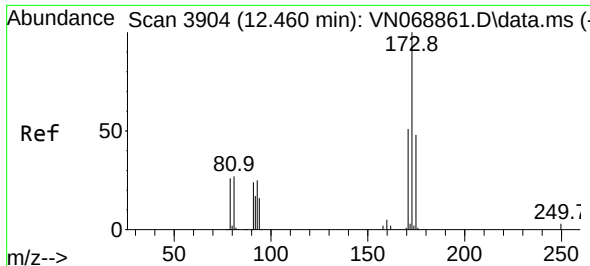
Tgt Ion: 95 Resp: 321394
Ion Ratio Lower Upper
95 100
174 77.3 0.0 144.8
176 75.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 117 Resp: 709257
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 32.1 26.0 39.0

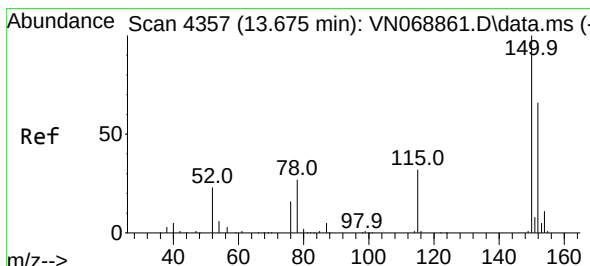
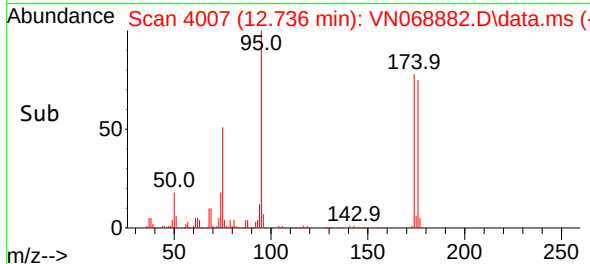
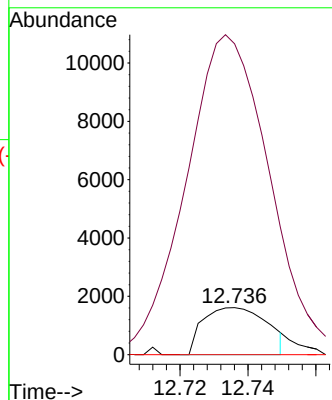
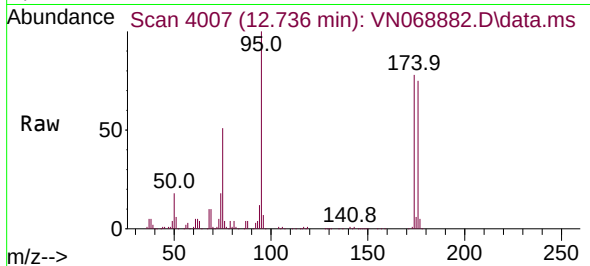




#71
Bromoform
Concen: 0.501 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

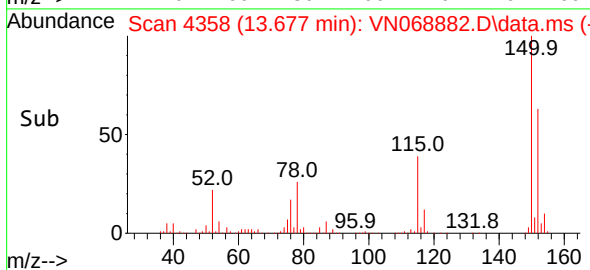
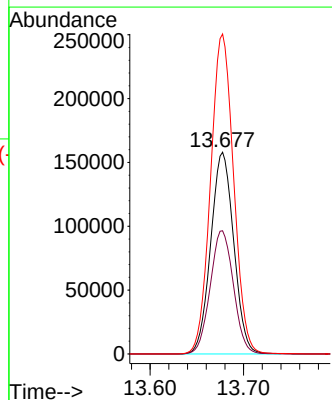
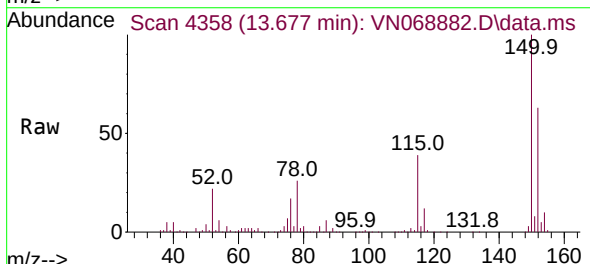
Instrument :
MSVOA_N
ClientSampleId :

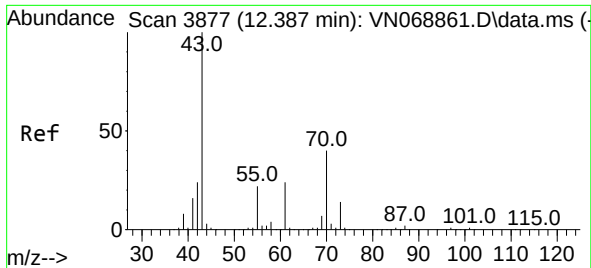
Tgt Ion:173 Resp: 2109
Ion Ratio Lower Upper
173 100
175 823.9 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion:152 Resp: 270383
Ion Ratio Lower Upper
152 100
115 61.6 31.4 94.3
150 158.8 0.0 351.0

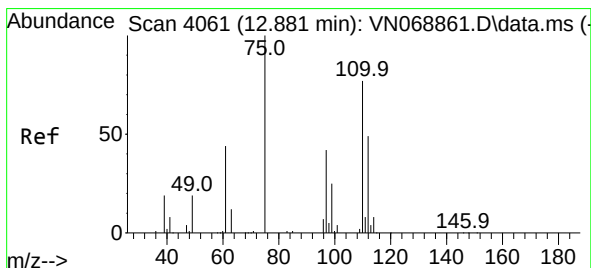
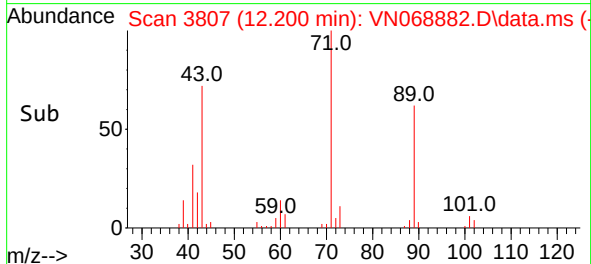
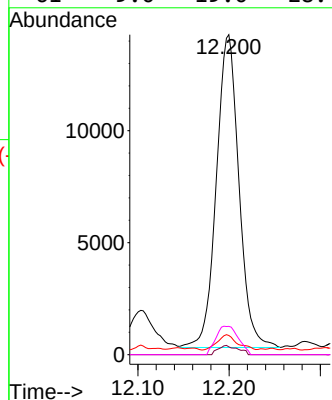
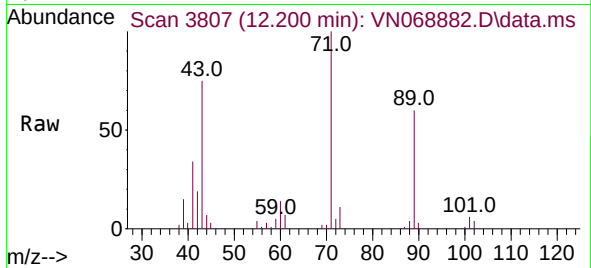




#74
N-amy1 acetate
Concen: 2.821 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

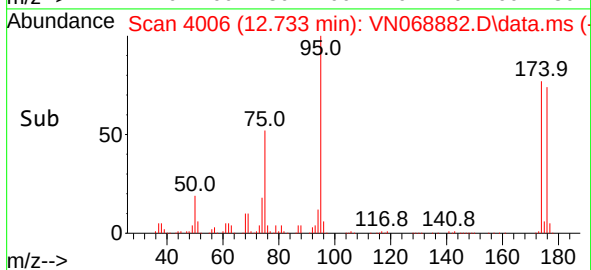
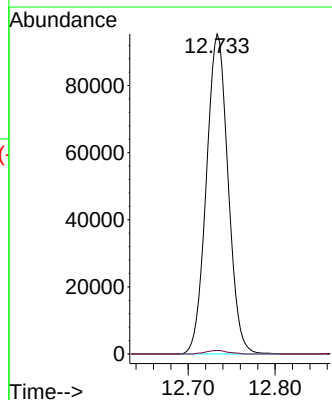
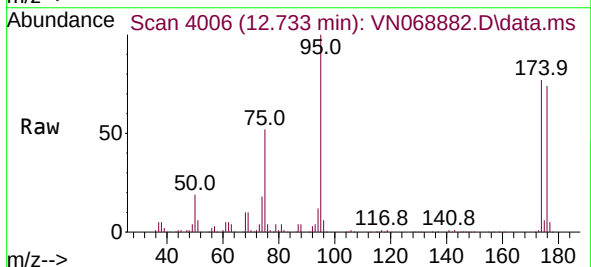
Instrument :
MSVOA_N
ClientSampled :

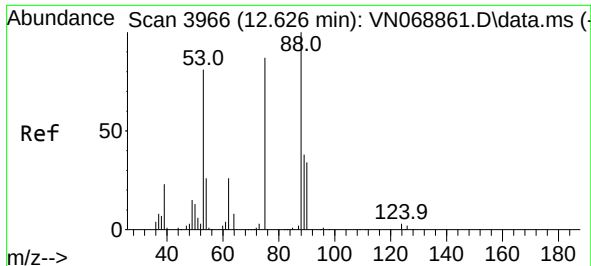
Tgt Ion: 43	Resp: 24053
Ion Ratio	Lower Upper
43 100	
70 2.6	32.2 48.2#
55 4.3	18.0 27.0#
61 9.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 28.730 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion: 75	Resp: 165282
Ion Ratio	Lower Upper
75 100	
77 1.1	96.2 288.4#

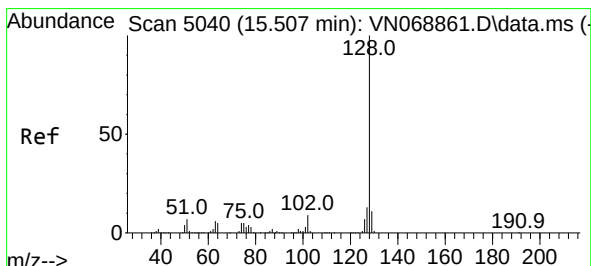
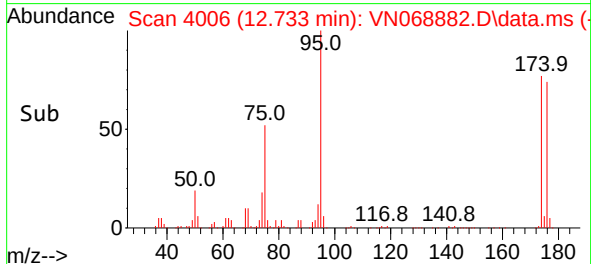
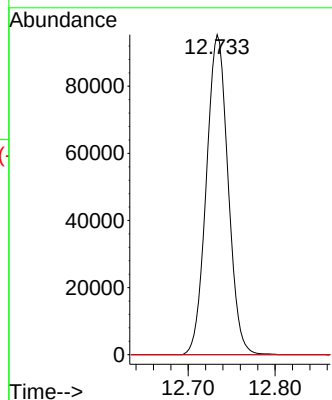
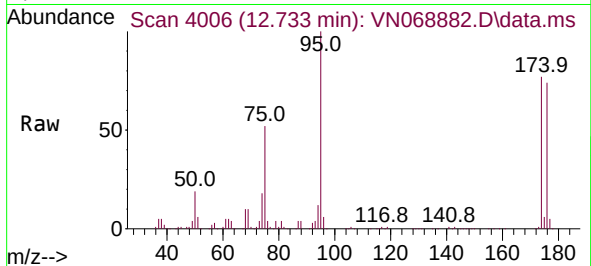




#81
trans-1,4-Dichloro-2-butene
Concen: 68.734 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 165282
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.877 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068882.D
Acq: 13 Oct 2021 00:02

Tgt Ion:128 Resp: 888
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

