

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068983.D
 Acq On : 18 Oct 2021 16:49
 Operator : JC/MD
 Sample : M4243-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:37:51 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

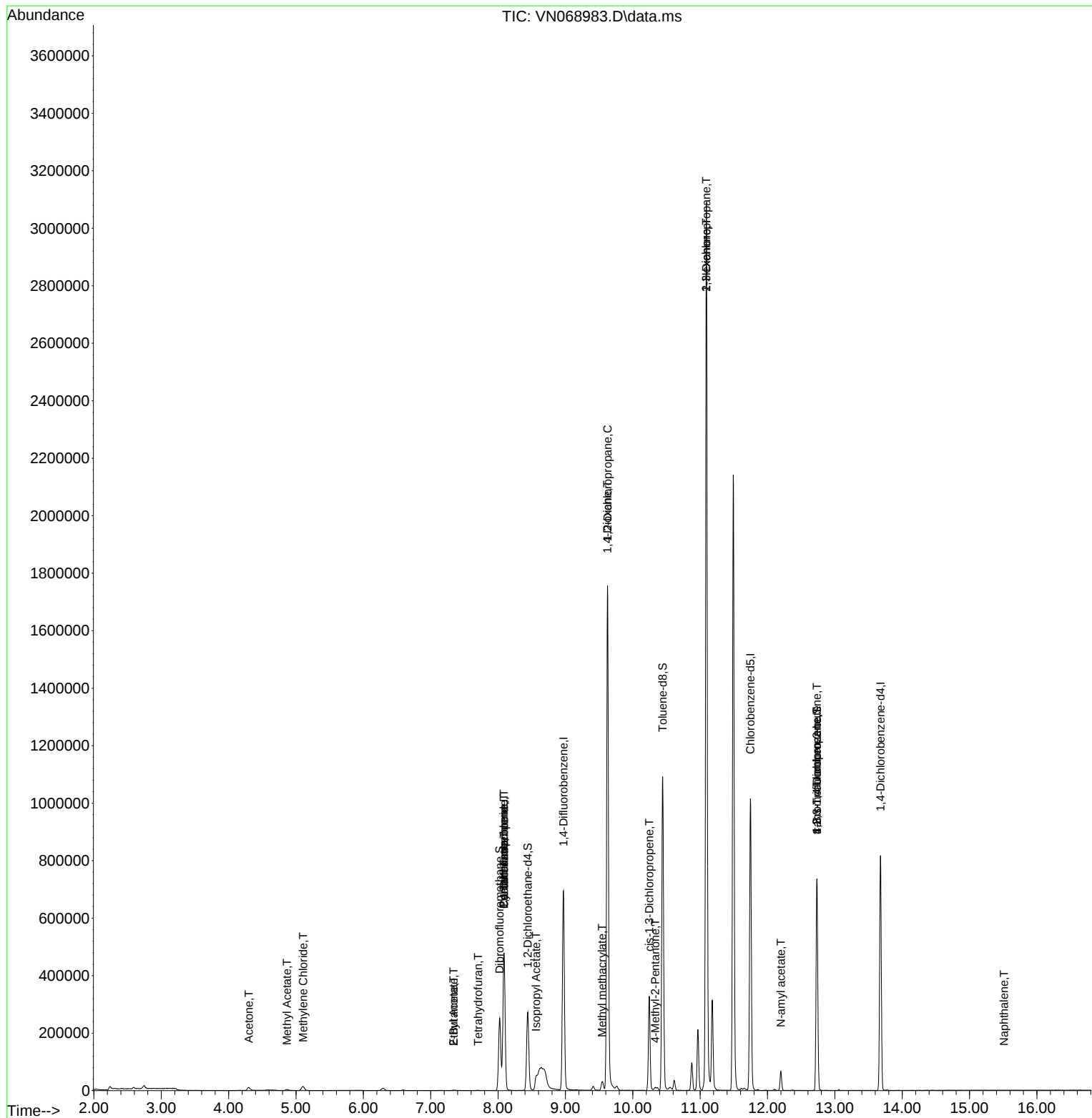
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	362518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	620726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	599311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	215860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229556	48.028	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.060%
35) Dibromofluoromethane	8.024	113	186883	51.747	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.500%
50) Toluene-d8	10.443	98	783241	54.204	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.400%
62) 4-Bromofluorobenzene	12.733	95	272467	49.977	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.960%
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	19613	10.996	ug/l	96
18) Methyl Acetate	4.867	43	8274	1.223	ug/l #	76
20) Methylene Chloride	5.106	84	11945	2.910	ug/l	96
25) 2-Butanone	7.340	43	4048	1.501	ug/l	99
29) Tetrahydrofuran	7.705	42	930	0.532	ug/l #	68
31) Cyclohexane	8.088	56	8468	1.139	ug/l #	17
36) 1,1-Dichloropropene	8.088	75	29652	5.593	ug/l #	48
37) Ethyl Acetate	7.340	43	4048	0.739	ug/l #	68
38) Carbon Tetrachloride	8.088	117	37595	6.456	ug/l #	15
43) Isopropyl Acetate	8.566	43	56128	5.809	ug/l #	81
45) 1,2-Dichloropropane	9.625	63	2214	0.528	ug/l #	43
48) Methyl methacrylate	9.545	41	8107	1.786	ug/l #	13
49) 1,4-Dioxane	9.622	88	82	36.527	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4631	0.827	ug/l #	72
54) cis-1,3-Dichloropropene	10.245	75	61544	8.812	ug/l #	59
57) 1,3-Dichloropropane	11.092	76	33730	4.995	ug/l #	42
59) 2-Hexanone	11.092	43	473111	117.762	ug/l #	50
74) N-amyl acetate	12.197	43	20804	3.056	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	142860	31.105	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	142860	74.416	ug/l #	12
95) Naphthalene	15.512	128	115	3.822	ug/l #	69

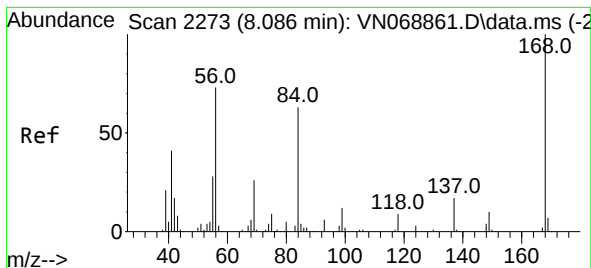
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068983.D

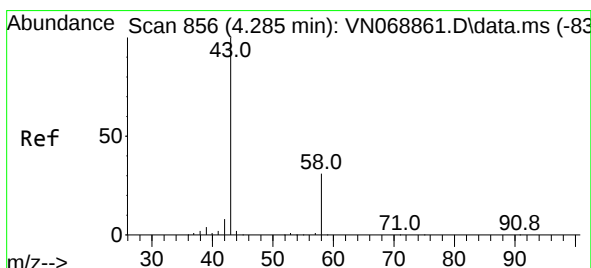
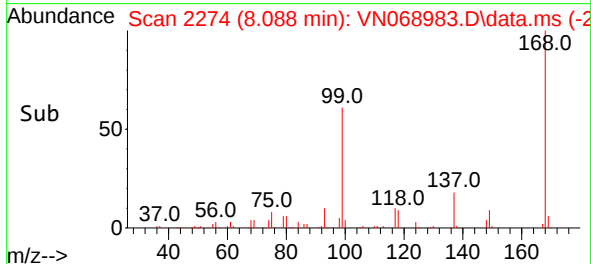
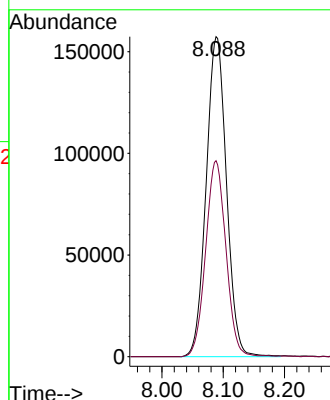
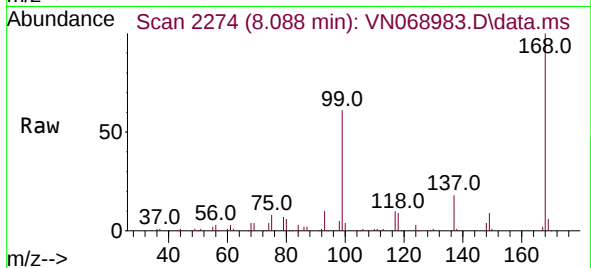
Acq: 18 Oct 2021 16:49

Tgt Ion:168 Resp: 362518

Ion Ratio Lower Upper

168 100

99 61.3 48.9 73.3



#16

Acetone

Concen: 10.996 ug/l

RT: 4.299 min Scan# 861

Delta R.T. 0.013 min

Lab File: VN068983.D

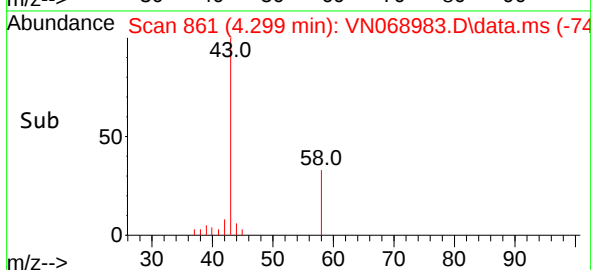
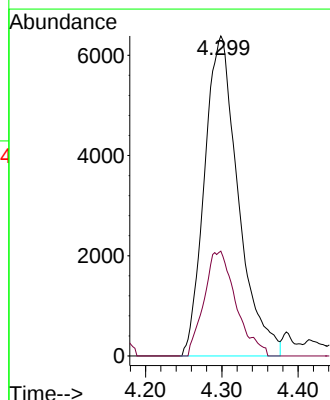
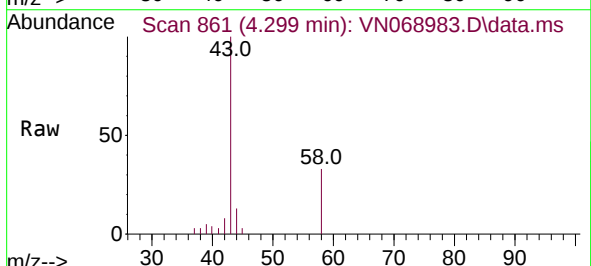
Acq: 18 Oct 2021 16:49

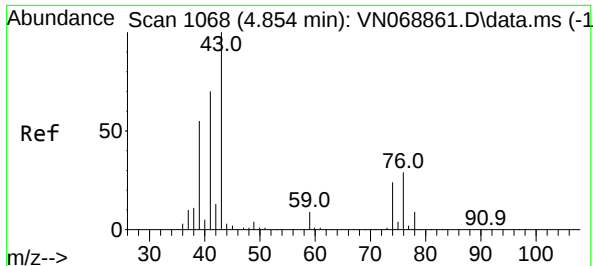
Tgt Ion: 43 Resp: 19613

Ion Ratio Lower Upper

43 100

58 32.8 24.5 36.7





#18

Methyl Acetate

Concen: 1.223 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN068983.D

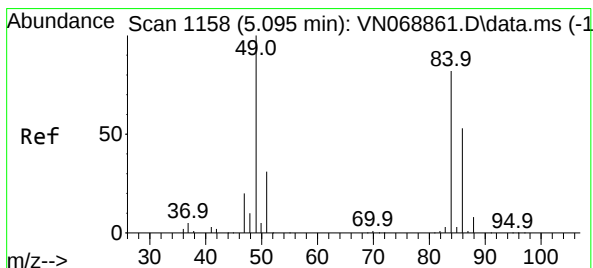
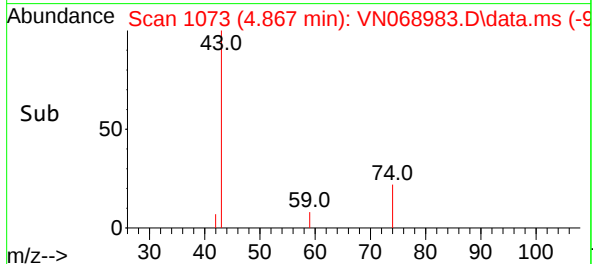
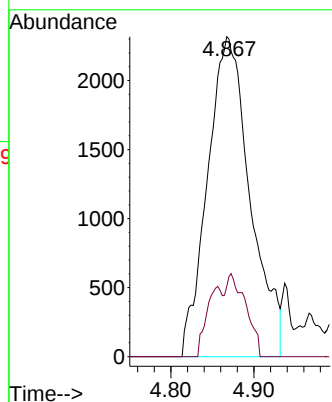
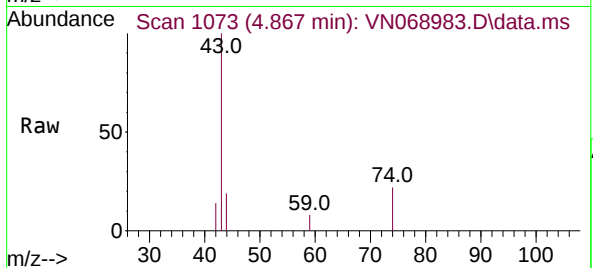
Acq: 18 Oct 2021 16:49

Tgt Ion: 43 Resp: 8274

Ion Ratio Lower Upper

43 100

74 11.7 18.9 28.3#



#20

Methylene Chloride

Concen: 2.910 ug/l

RT: 5.106 min Scan# 1162

Delta R.T. 0.011 min

Lab File: VN068983.D

Acq: 18 Oct 2021 16:49

Tgt Ion: 84 Resp: 11945

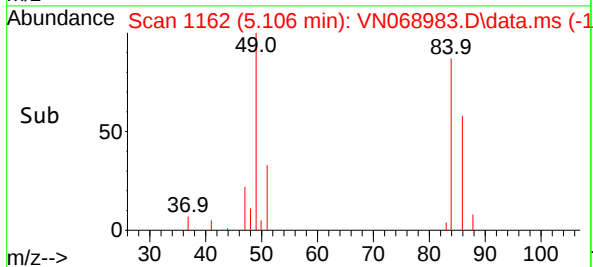
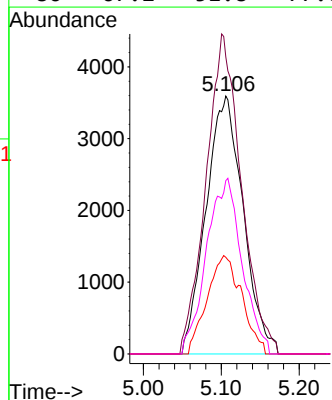
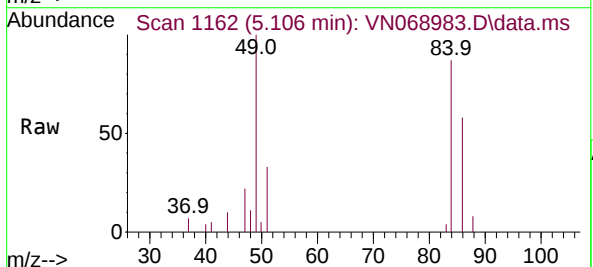
Ion Ratio Lower Upper

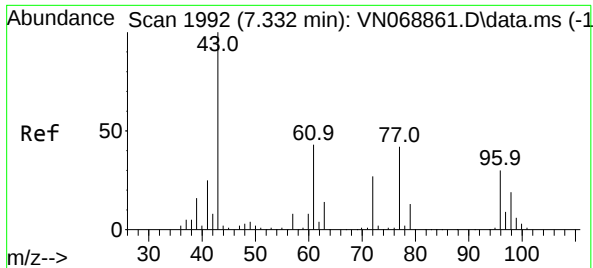
84 100

49 115.2 97.6 146.4

51 37.5 30.3 45.5

86 67.2 51.8 77.6

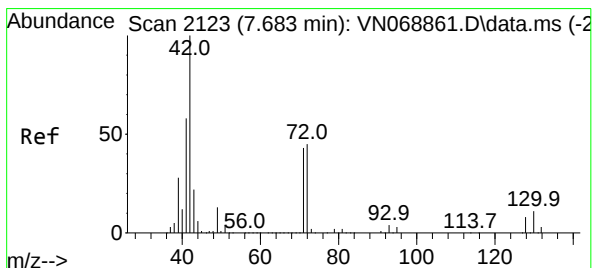
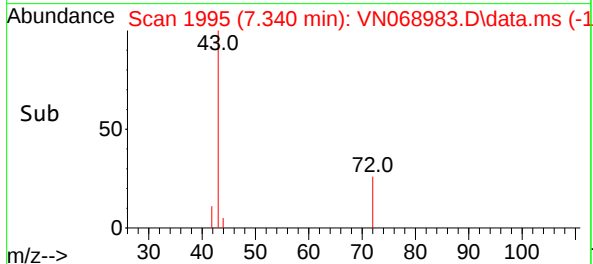
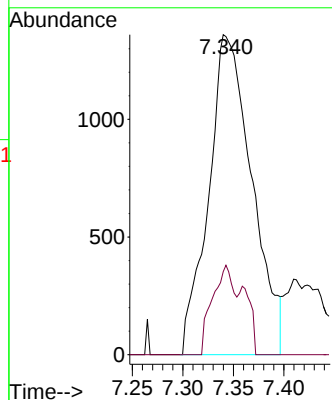
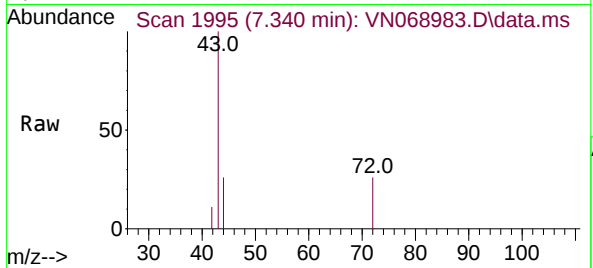




#25
2-Butanone
Concen: 1.501 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

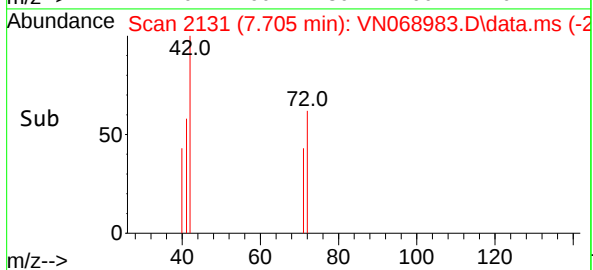
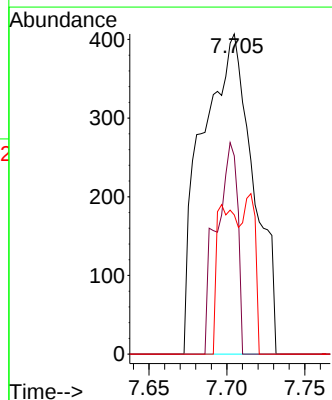
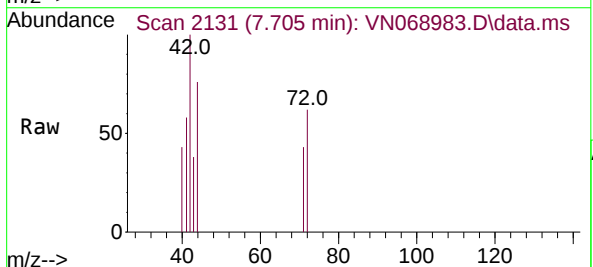
Instrument :
MSVOA_N
ClientSampled :

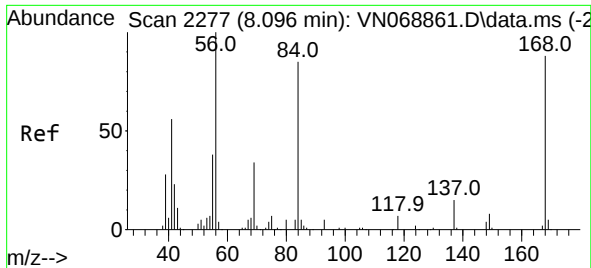
Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
72 26.0 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.532 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.021 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 42 Resp: 930
Ion Ratio Lower Upper
42 100
72 27.3 35.4 53.2#
71 18.5 33.8 50.6#

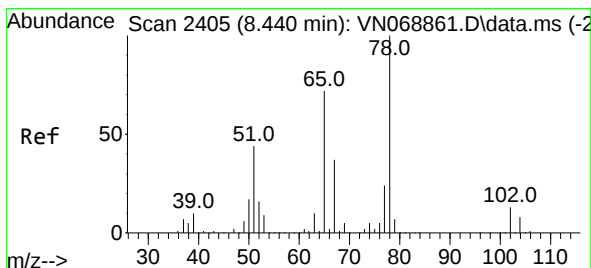
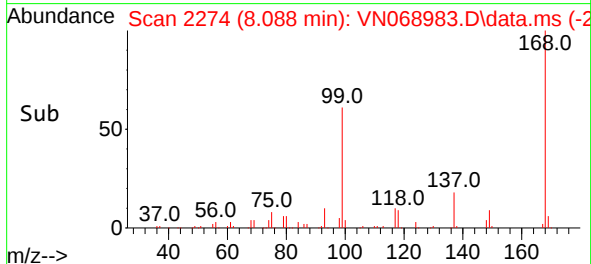
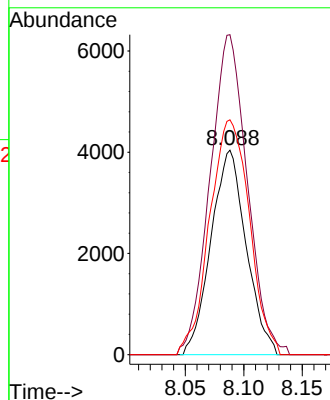
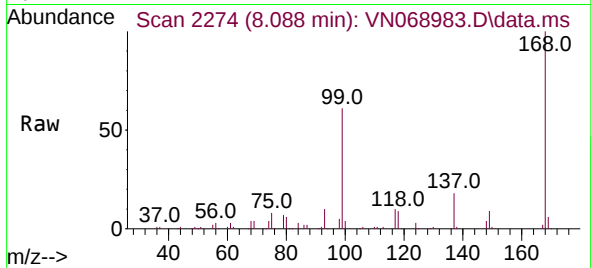




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

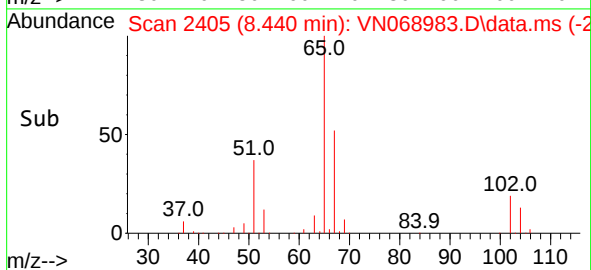
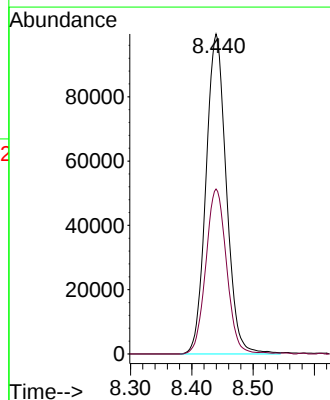
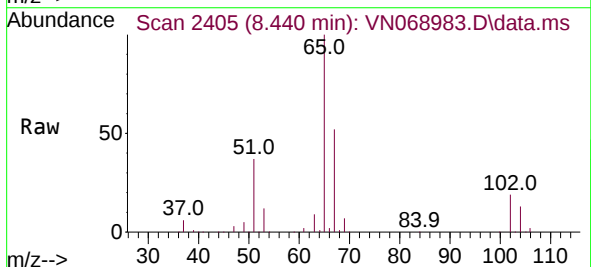
Instrument :
MSVOA_N
ClientSampled :

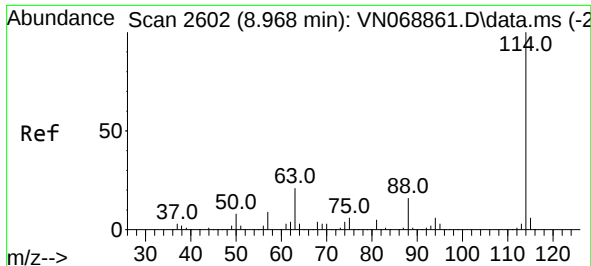
Tgt Ion: 56 Resp: 8468
Ion Ratio Lower Upper
56 100
69 152.7 26.9 40.3#
84 114.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.028 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 65 Resp: 229556
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

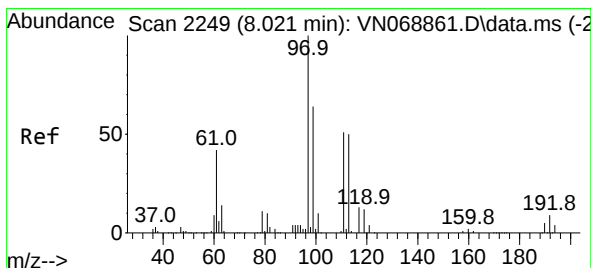
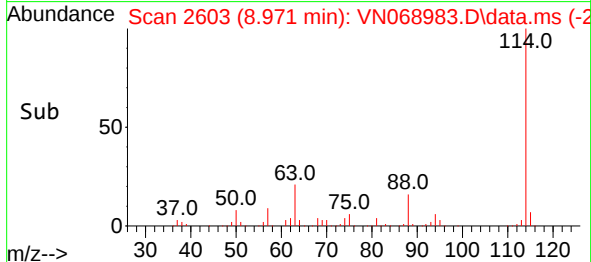
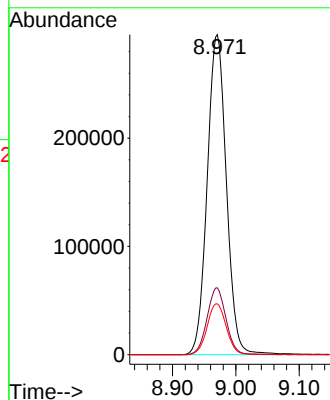
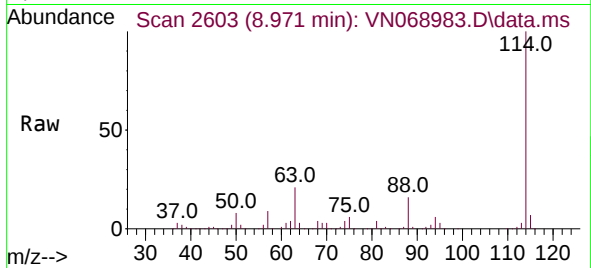




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

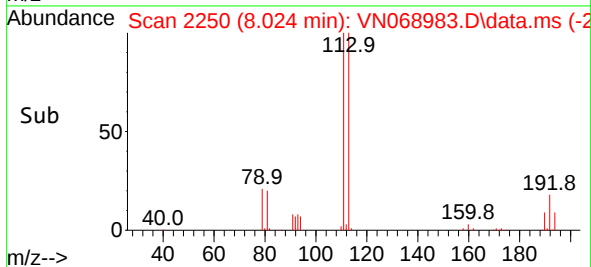
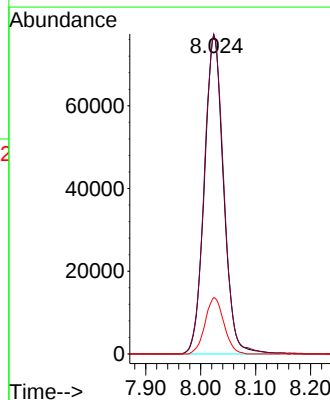
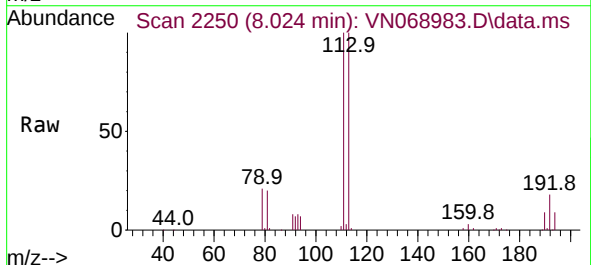
Instrument :
MSVOA_N
ClientSampled :

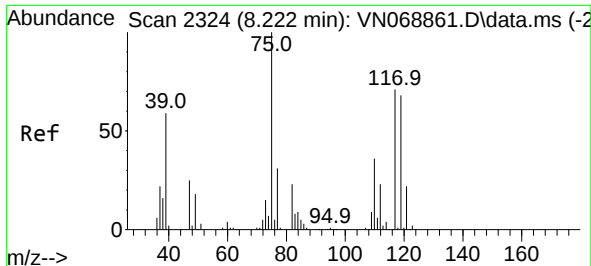
Tgt Ion:114 Resp: 620726
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.747 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion:113 Resp: 186883
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 17.4 15.0 22.4

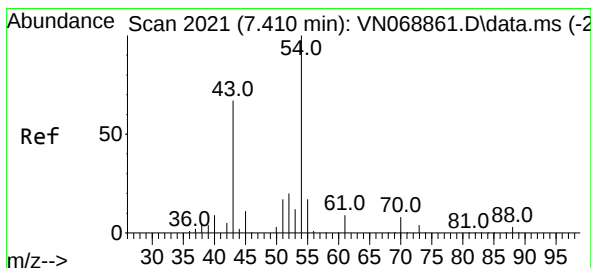
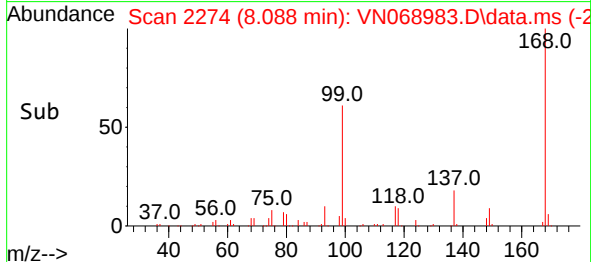
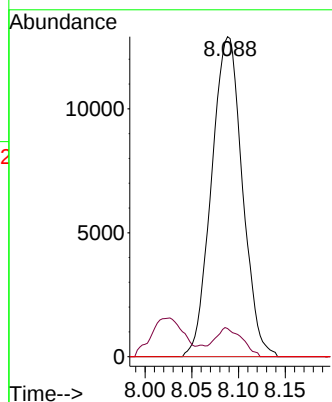
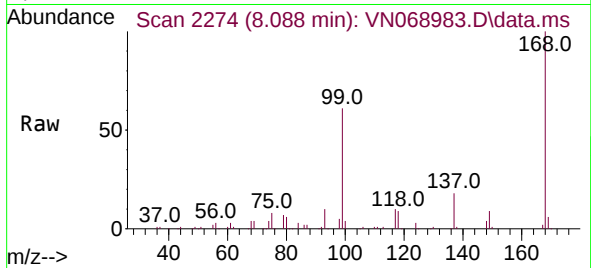




#36
1,1-Dichloropropene
Concen: 5.593 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

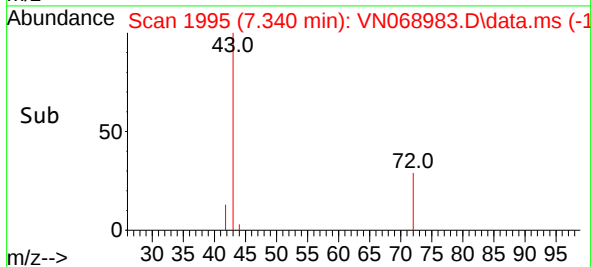
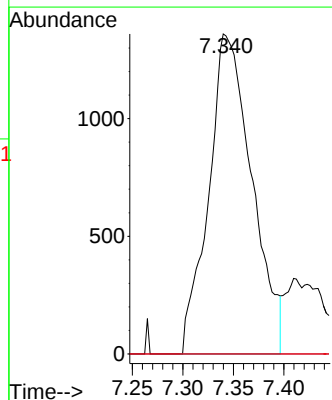
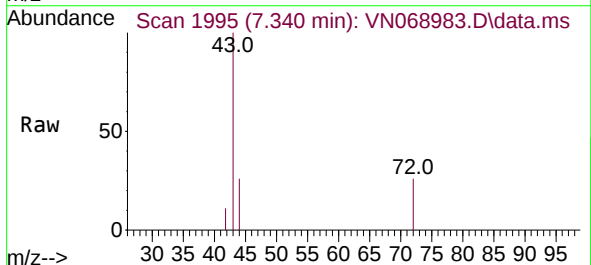
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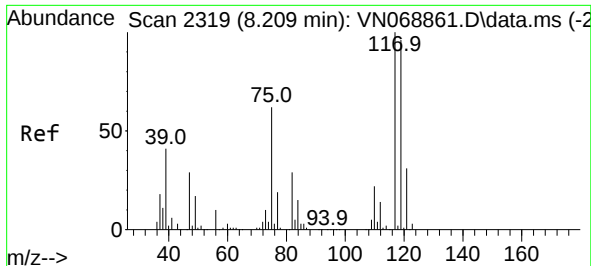
Tgt Ion: 75 Resp: 29652
Ion Ratio Lower Upper
75 100
110 7.8 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.739 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

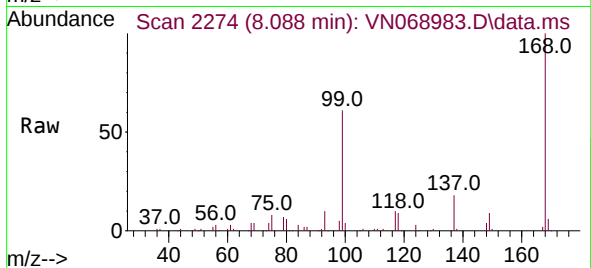
Tgt Ion: 43 Resp: 4048
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



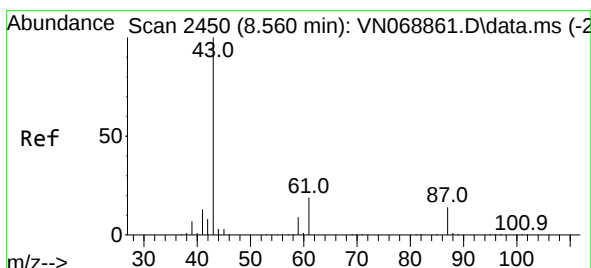
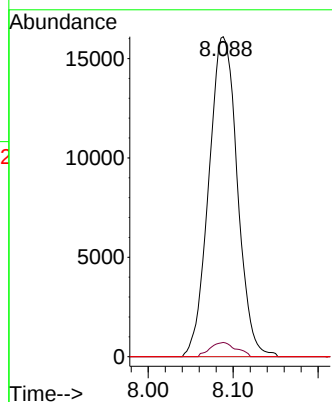
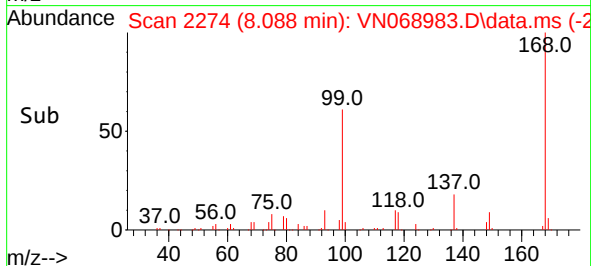


#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

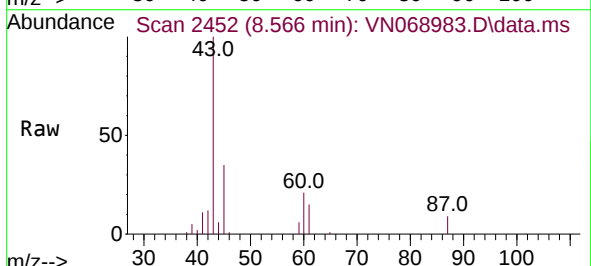
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MSVOA_N
ClientSampled :



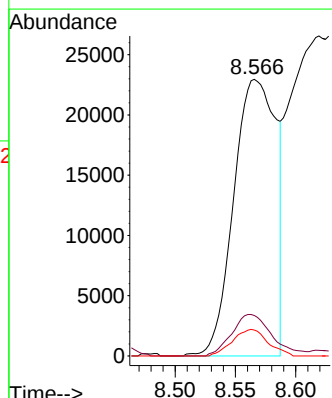
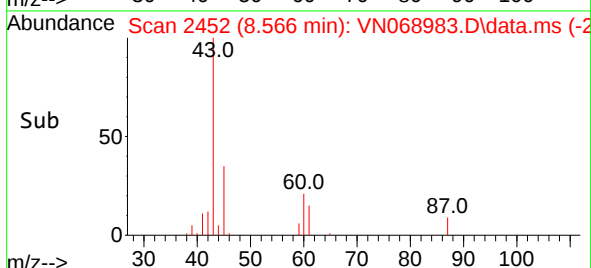
Tgt Ion:117 Resp: 37595
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.6 37.0#

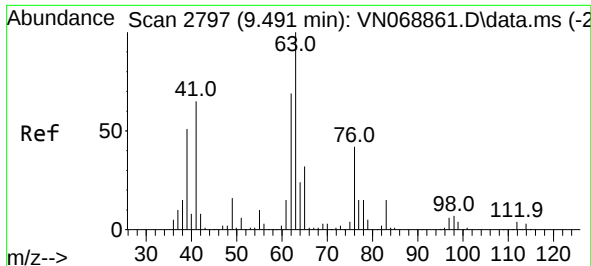


#43
Isopropyl Acetate
Concen: 5.809 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49



Tgt Ion: 43 Resp: 56128
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.0 10.7 16.1#



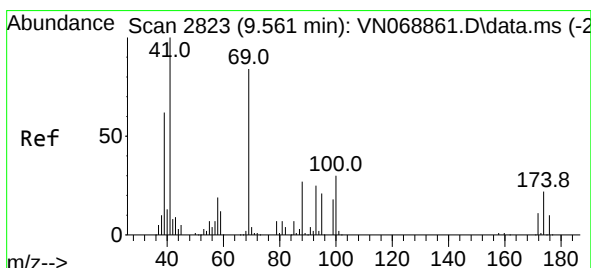
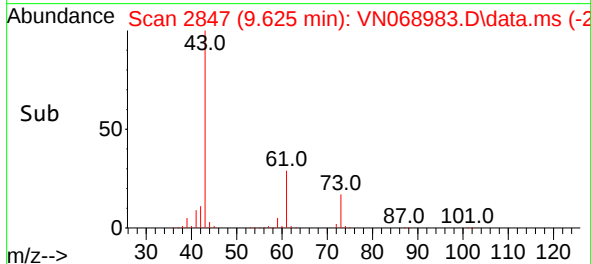
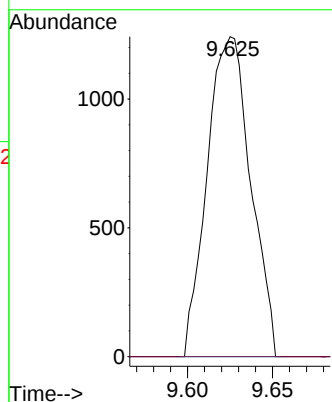
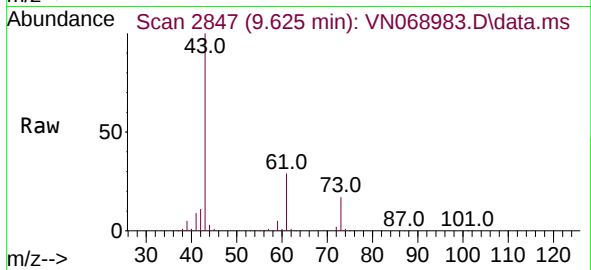


#45

1,2-Dichloropropane
Concen: 0.528 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Instrument :
MSVOA_N
ClientSampled :

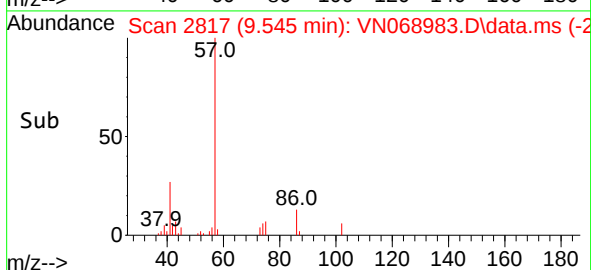
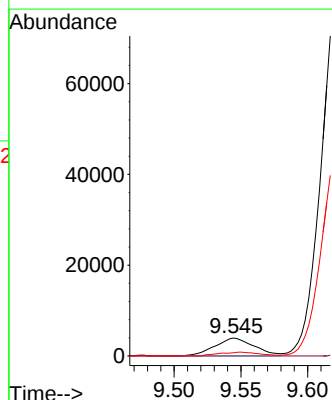
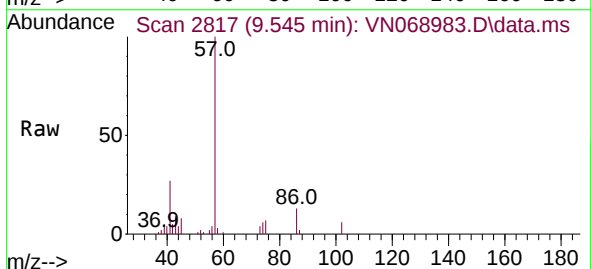
Tgt Ion: 63 Resp: 2214
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

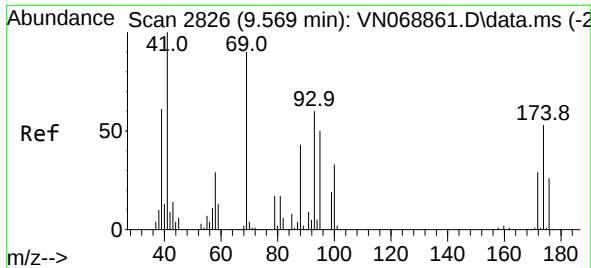


#48

Methyl methacrylate
Concen: 1.786 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 41 Resp: 8107
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

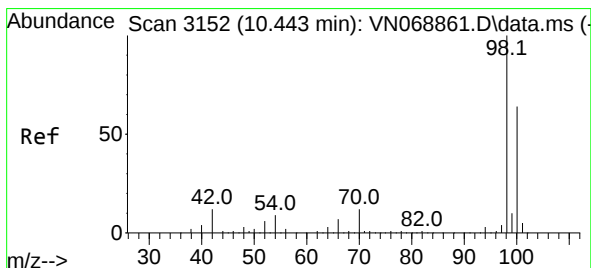
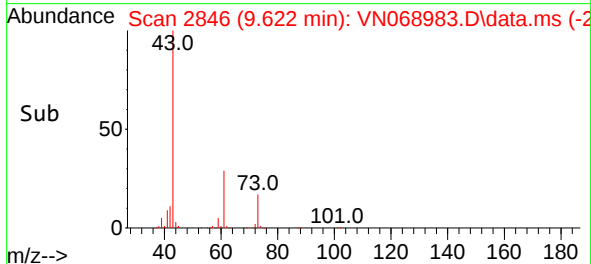
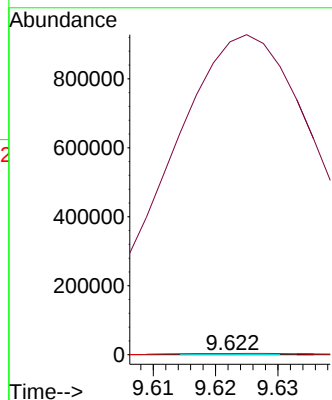
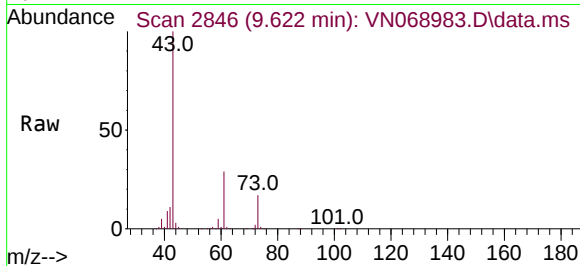




#49
1,4-Dioxane
Concen: 36.527 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

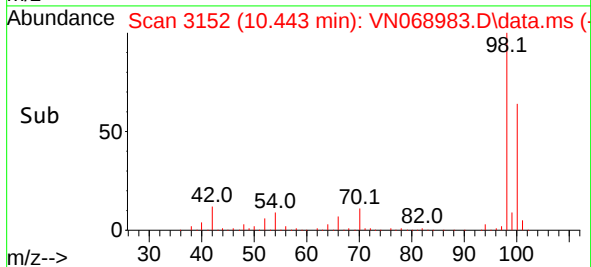
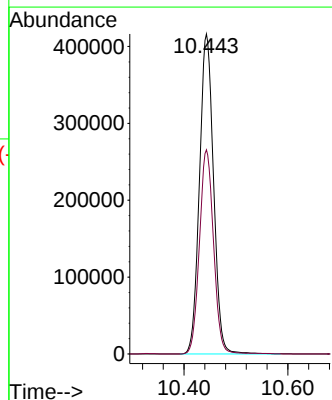
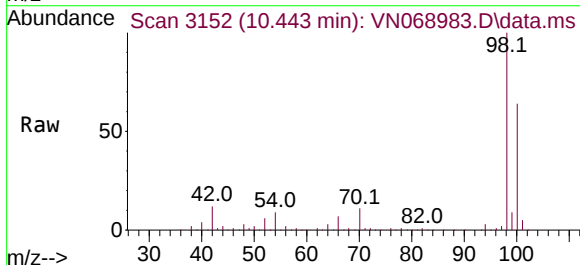
Instrument :
MSVOA_N
ClientSampled :

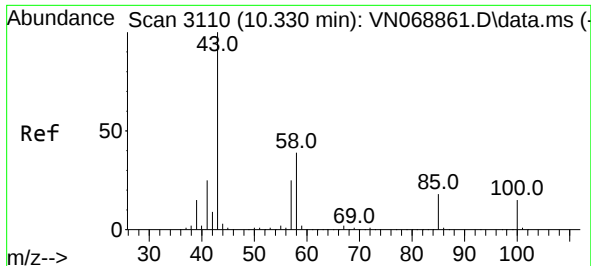
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 2159678.0 24.9 37.3#
58 8481.7 56.9 85.3#



#50
Toluene-d8
Concen: 54.204 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 98 Resp: 783241
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3

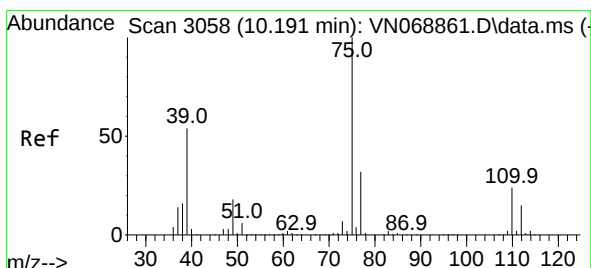
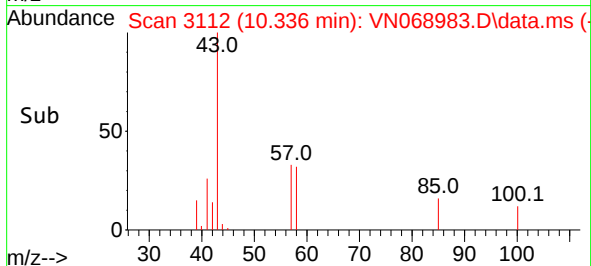
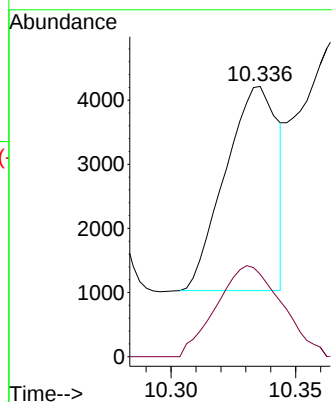
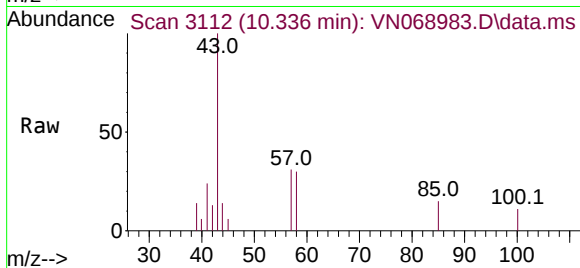




#51
4-Methyl-2-Pentanone
Concen: 0.827 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

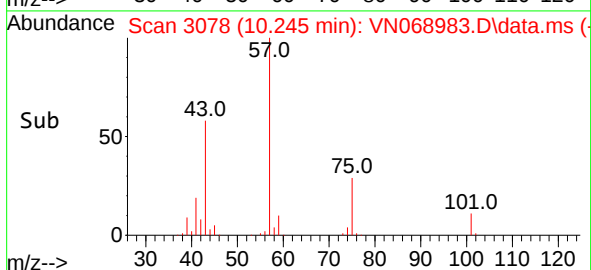
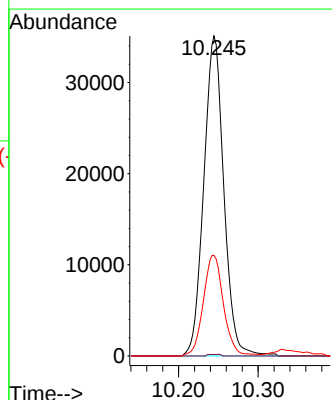
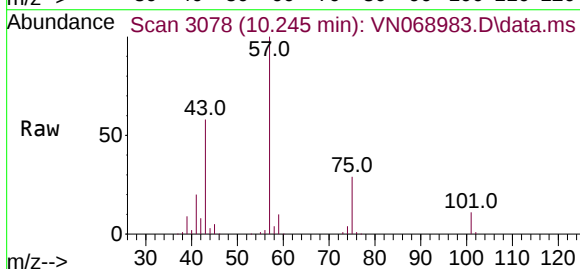
Instrument :
MSVOA_N
ClientSampled :

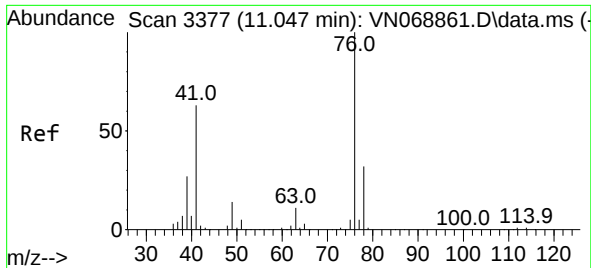
Tgt Ion: 43 Resp: 4631
Ion Ratio Lower Upper
43 100
58 55.8 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.812 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 75 Resp: 61544
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 31.5 42.9 64.3#

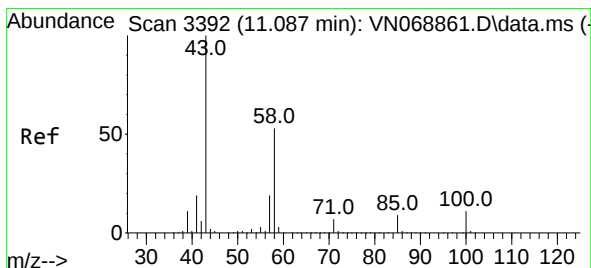
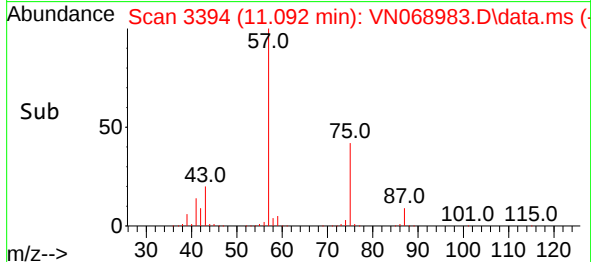
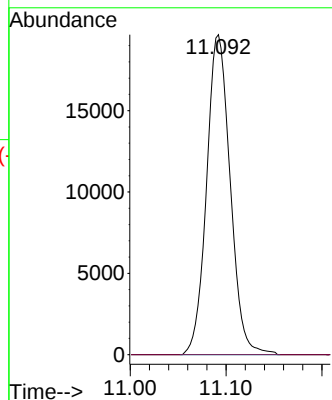
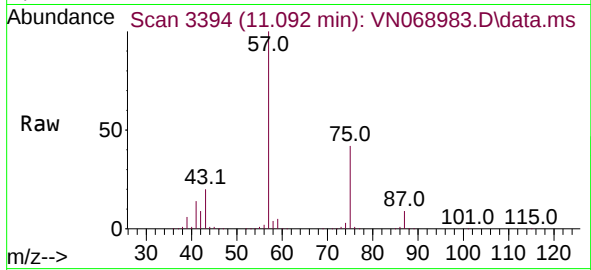




#57
1,3-Dichloropropane
Concen: 4.995 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

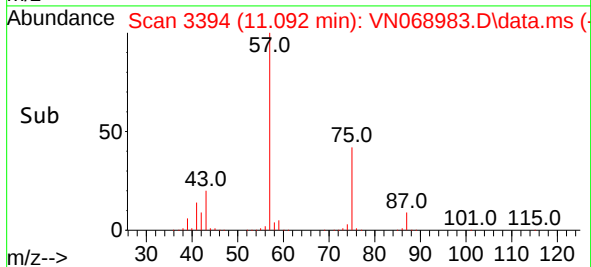
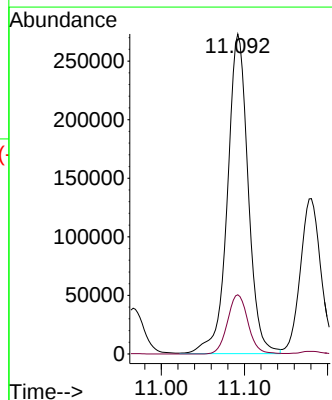
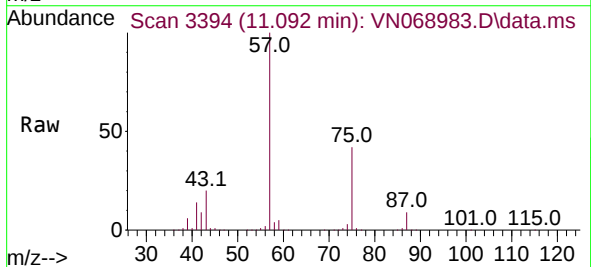
Instrument :
MSVOA_N
ClientSampled :

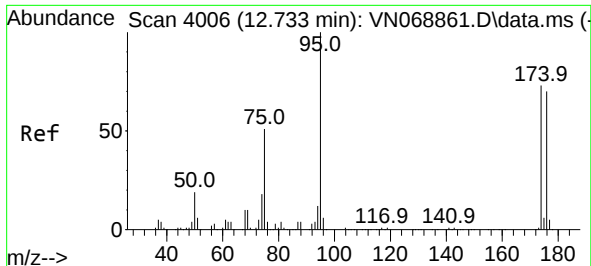
Tgt Ion: 76 Resp: 33730
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 117.762 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 43 Resp: 473111
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#

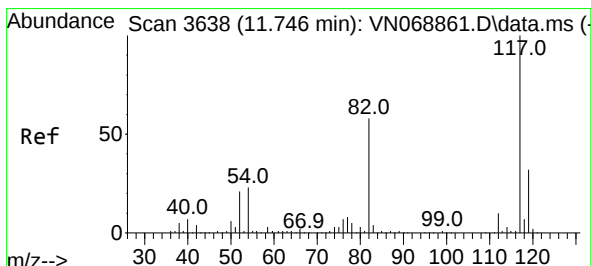
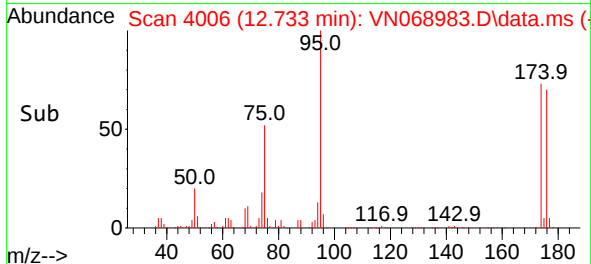
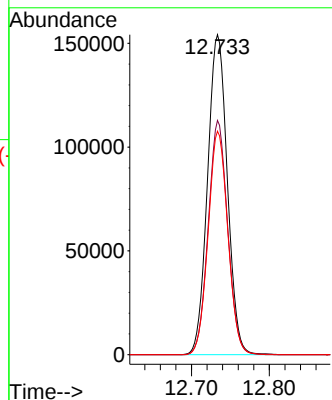
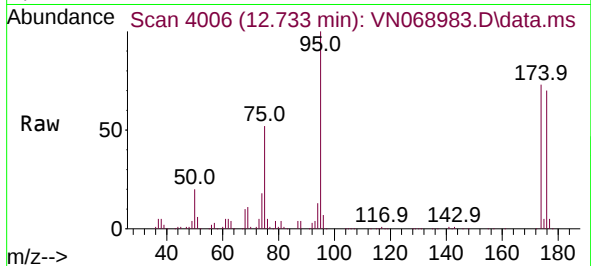




#62
4-Bromofluorobenzene
Concen: 49.977 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

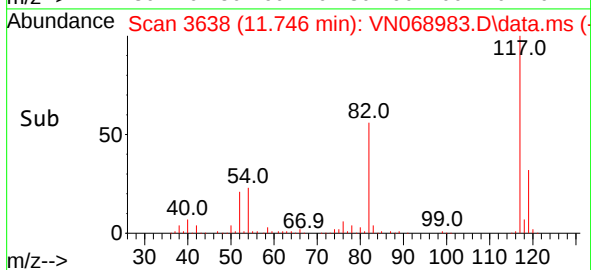
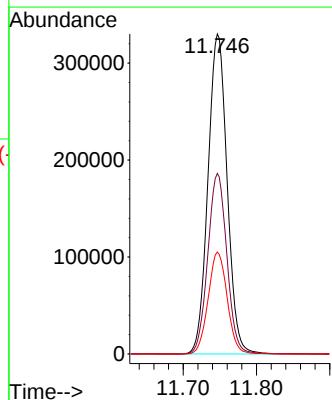
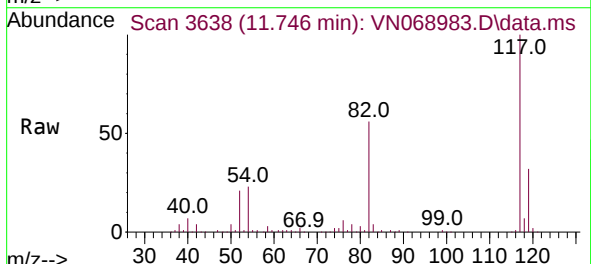
Instrument :
MSVOA_N
ClientSampled :

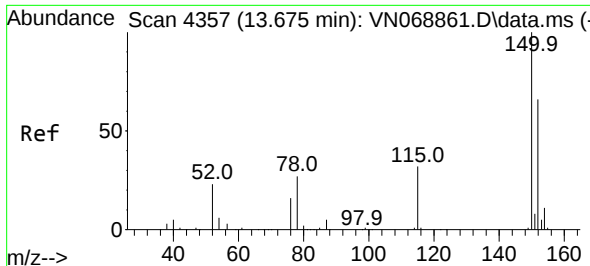
Tgt Ion: 95 Resp: 272467
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.8
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 117 Resp: 599311
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 31.8 26.0 39.0

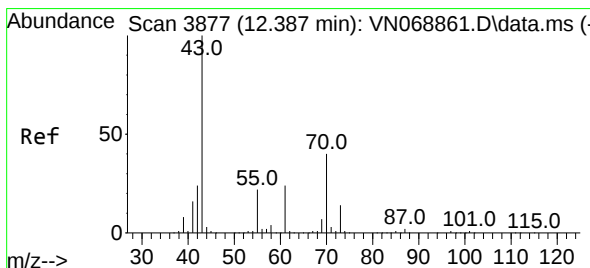
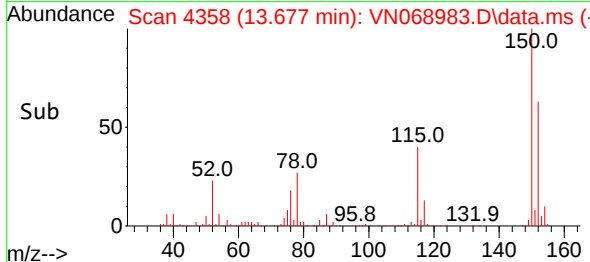
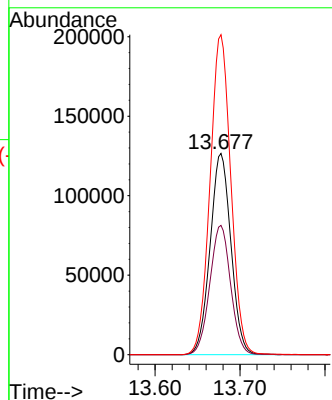
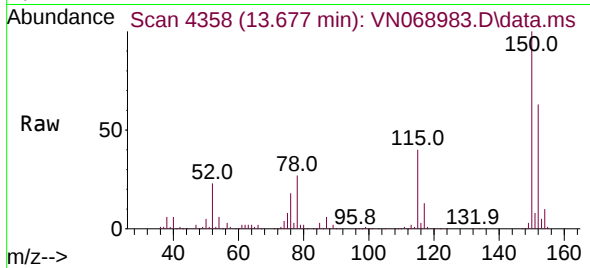




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

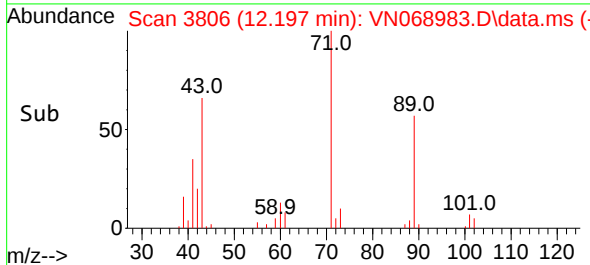
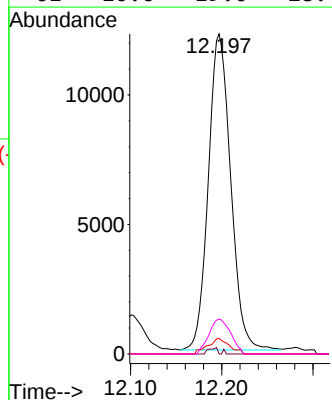
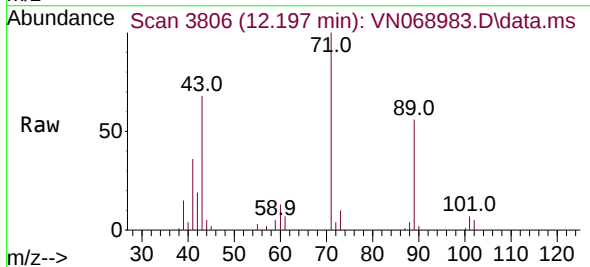
Instrument :
MSVOA_N
ClientSampled :

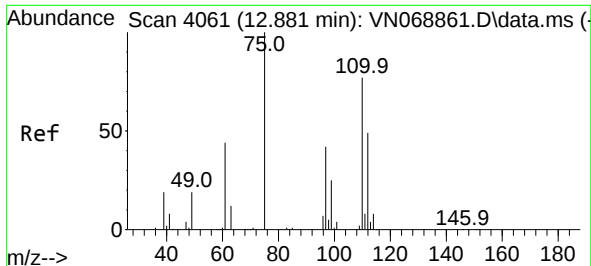
Tgt Ion:152 Resp: 215860
Ion Ratio Lower Upper
152 100
115 64.2 31.4 94.3
150 158.5 0.0 351.0



#74
N-ethyl acetate
Concen: 3.056 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 43 Resp: 20804
Ion Ratio Lower Upper
43 100
70 0.8 32.2 48.2#
55 4.7 18.0 27.0#
61 10.6 19.0 28.4#

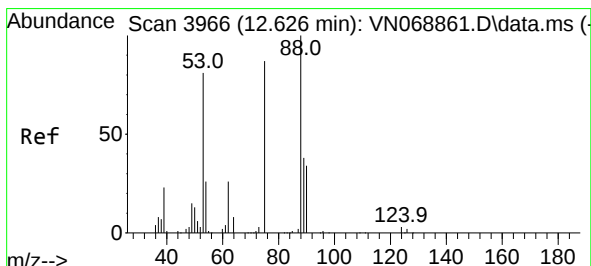
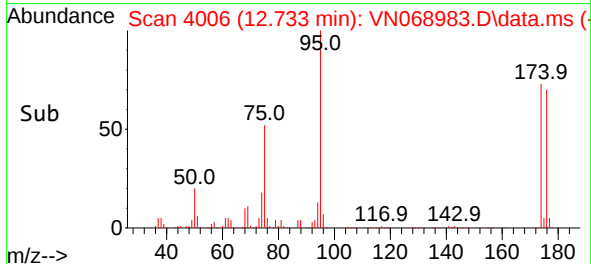
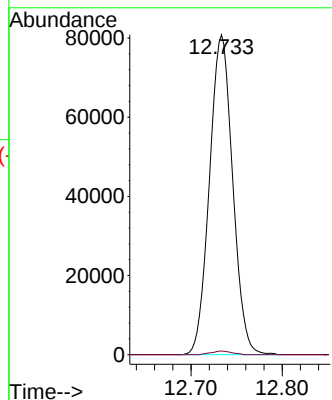
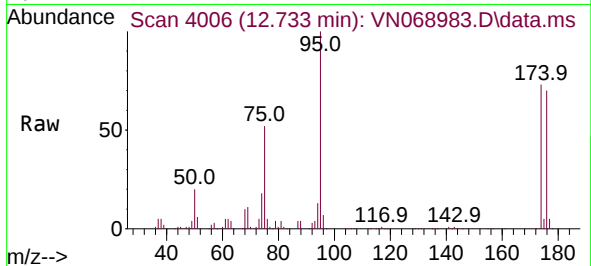




#76
1,2,3-Trichloropropane
Concen: 31.105 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

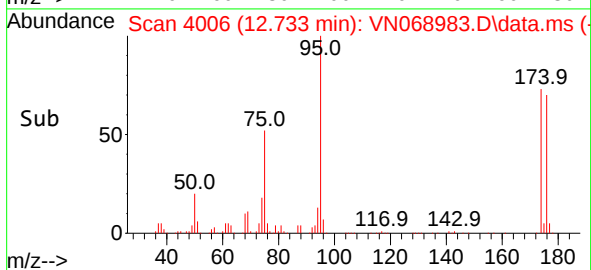
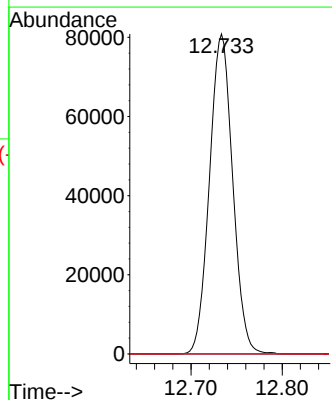
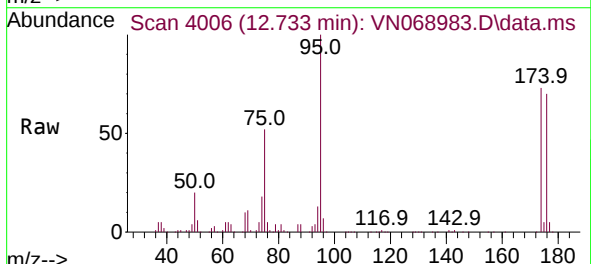
Instrument :
MSVOA_N
ClientSampled :

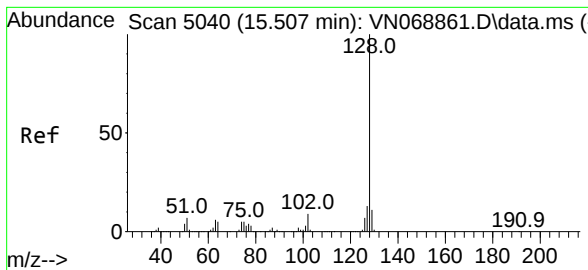
Tgt Ion: 75 Resp: 142860
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.416 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Tgt Ion: 75 Resp: 142860
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.822 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068983.D
Acq: 18 Oct 2021 16:49

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	115
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

