

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068973.D
 Acq On : 18 Oct 2021 12:38
 Operator : JC/MD
 Sample : M4243-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

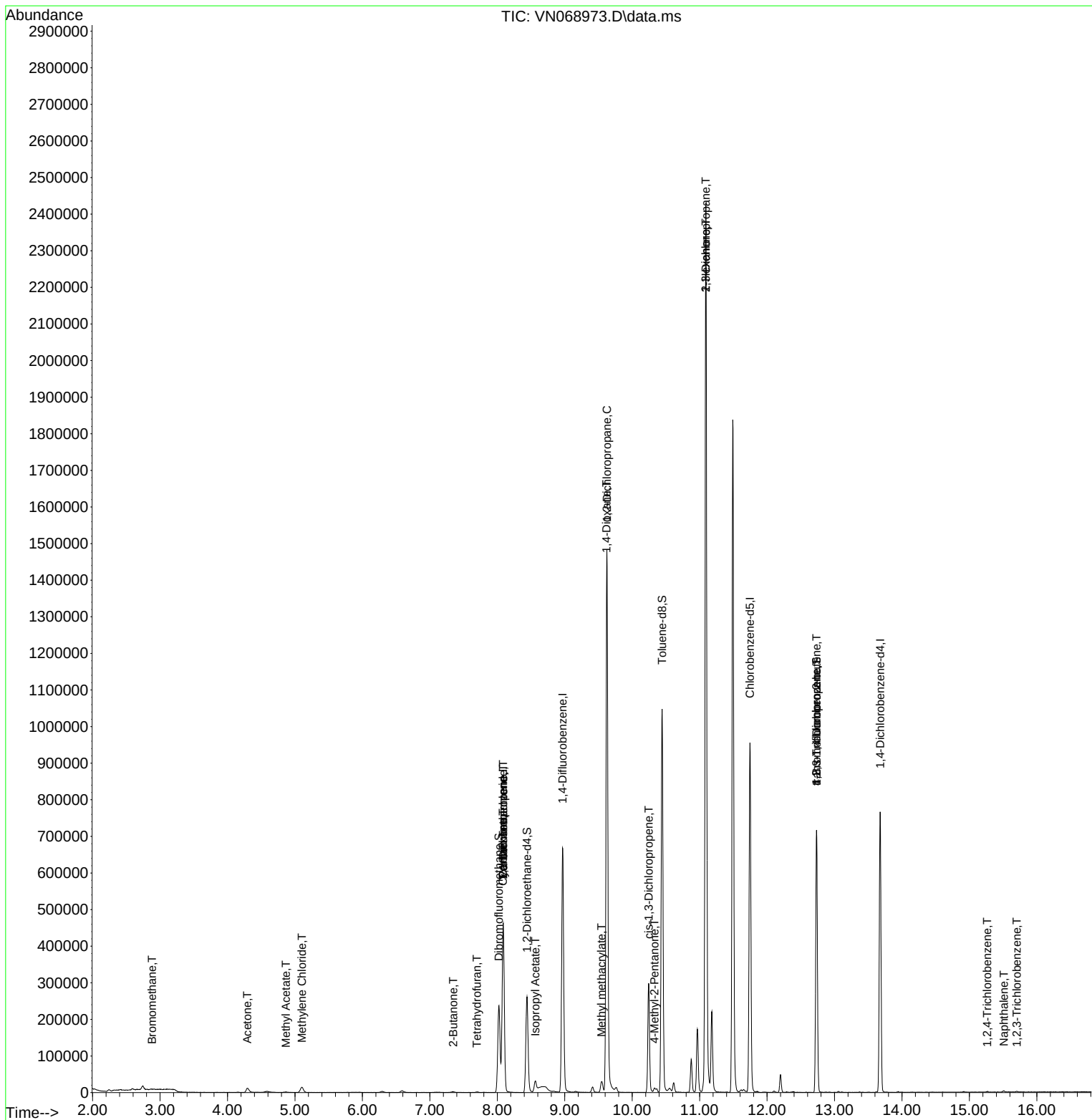
Instrument :
 MSVOA_N
 ClientSampleId :

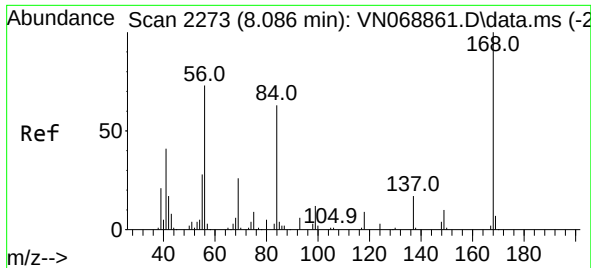
Quant Time: Oct 19 06:34:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	347417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	598049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	570258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222951	48.673	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.340%
35) Dibromofluoromethane	8.024	113	176672	50.775	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.560%
50) Toluene-d8	10.443	98	755994	54.302	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.733	95	262596	49.993	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.880	94	809	0.341	ug/l #	46
16) Acetone	4.293	43	22541	13.187	ug/l	99
18) Methyl Acetate	4.867	43	3599	0.555	ug/l #	85
20) Methylene Chloride	5.103	84	11806	3.001	ug/l	98
25) 2-Butanone	7.348	43	4508	1.744	ug/l	98
29) Tetrahydrofuran	7.697	42	629	0.375	ug/l #	56
31) Cyclohexane	8.083	56	8199	1.151	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	28490	5.577	ug/l #	49
38) Carbon Tetrachloride	8.088	117	36343	6.478	ug/l #	15
43) Isopropyl Acetate	8.563	43	42242	4.538	ug/l #	85
45) 1,2-Dichloropropane	9.628	63	1745	0.432	ug/l #	43
48) Methyl methacrylate	9.545	41	8501	1.944	ug/l #	13
49) 1,4-Dioxane	9.620	88	77	36.505	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	5980	1.108	ug/l #	80
54) cis-1,3-Dichloropropene	10.245	75	58123	8.638	ug/l #	57
57) 1,3-Dichloropropane	11.092	76	26641	4.095	ug/l #	42
59) 2-Hexanone	11.092	43	384424	99.315	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	135894	31.061	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	135894	74.313	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	879	2.843	ug/l #	89
95) Naphthalene	15.512	128	4243	4.222	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.702	180	980	2.797	ug/l	94

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

Quant Time: Oct 19 06:34:35 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

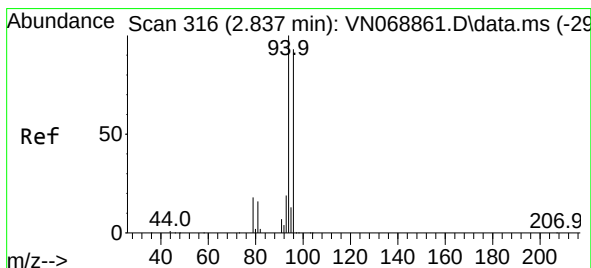
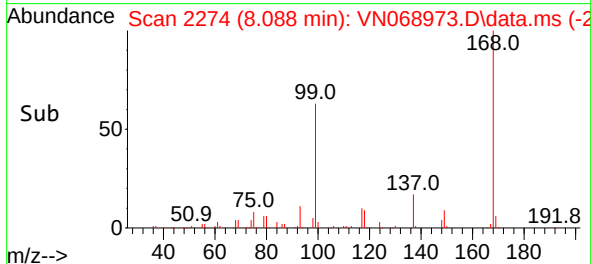
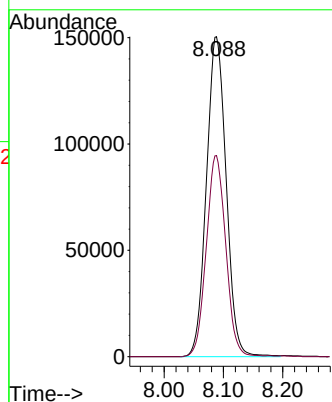
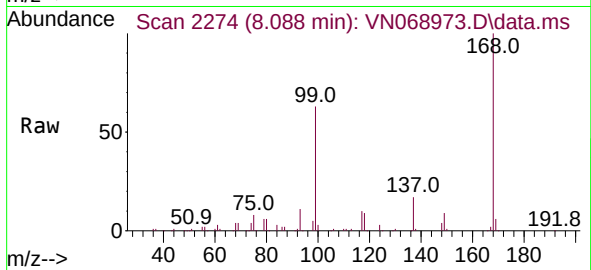




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

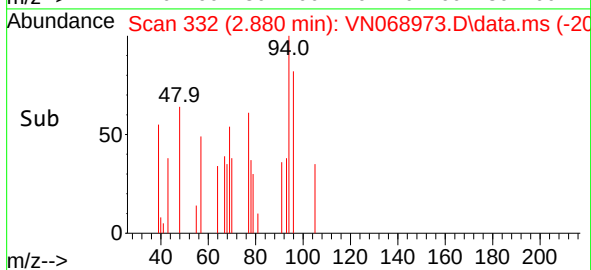
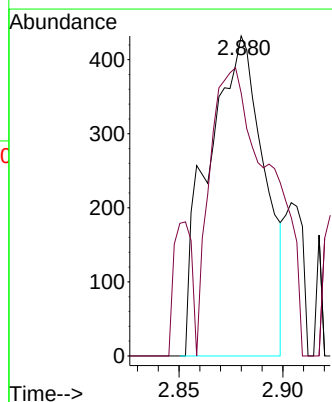
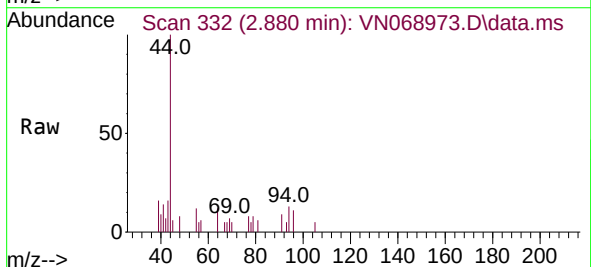
Instrument :
MSVOA_N
ClientSampleId :

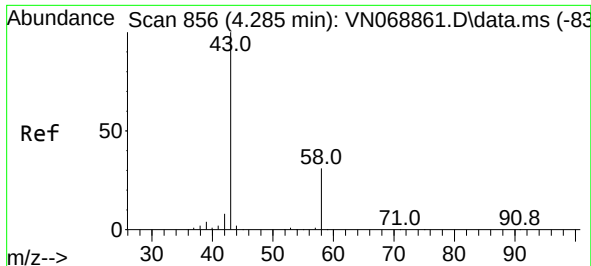
Tgt Ion:168 Resp: 347417
Ion Ratio Lower Upper
168 100
99 62.9 48.9 73.3



#5
Bromomethane
Concen: 0.341 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 94 Resp: 809
Ion Ratio Lower Upper
94 100
96 40.7 74.2 111.4#

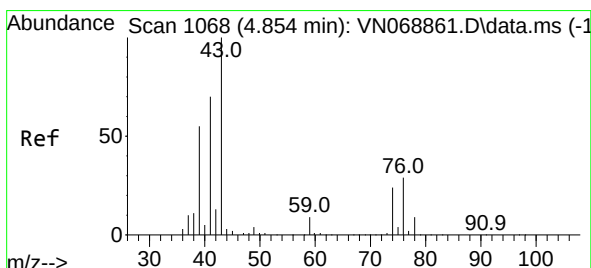
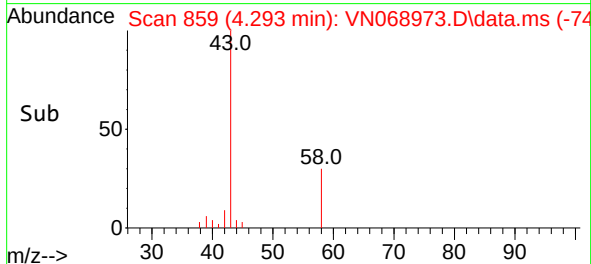
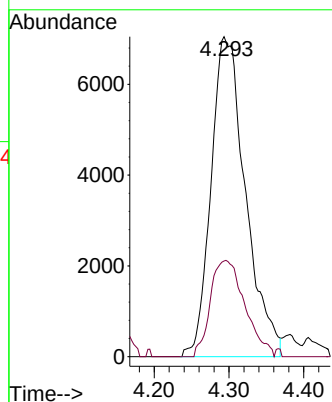
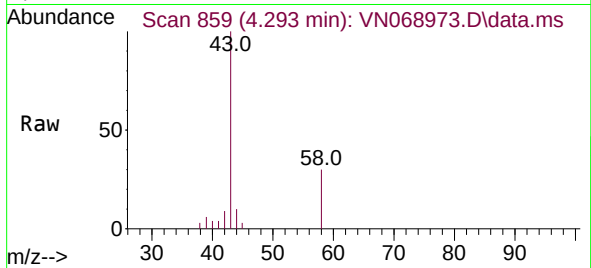




#16
Acetone
Concen: 13.187 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

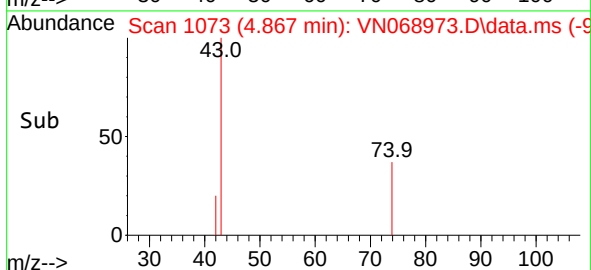
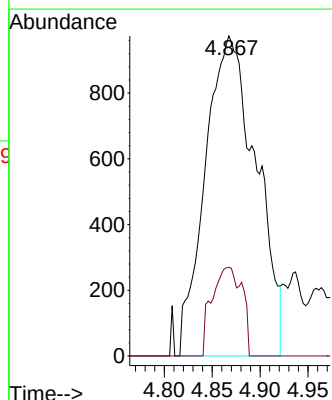
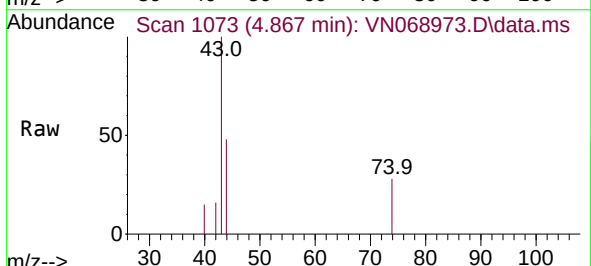
Instrument :
MSVOA_N
ClientSampled :

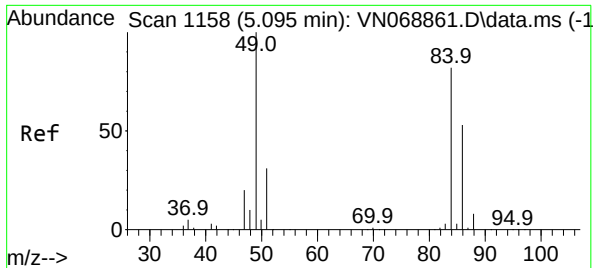
Tgt Ion: 43 Resp: 22541
Ion Ratio Lower Upper
43 100
58 29.9 24.5 36.7



#18
Methyl Acetate
Concen: 0.555 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 43 Resp: 3599
Ion Ratio Lower Upper
43 100
74 16.3 18.9 28.3#

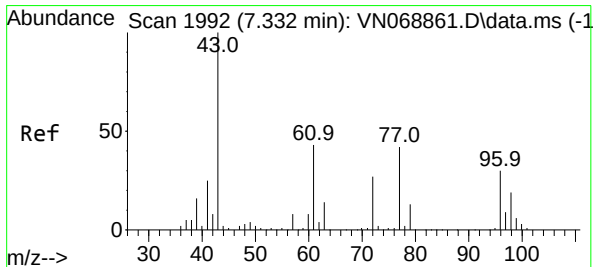
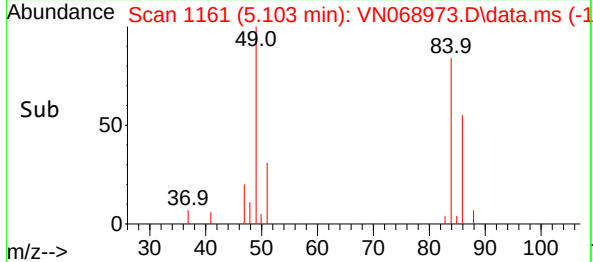
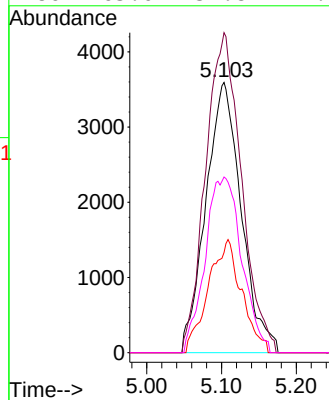
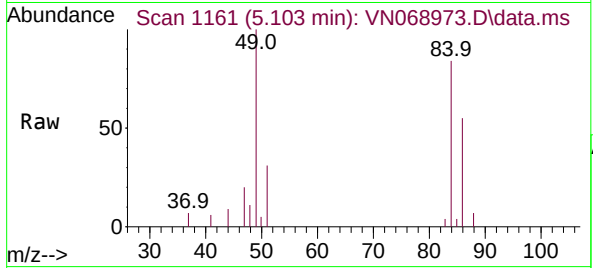




#20
Methylene Chloride
Concen: 3.001 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

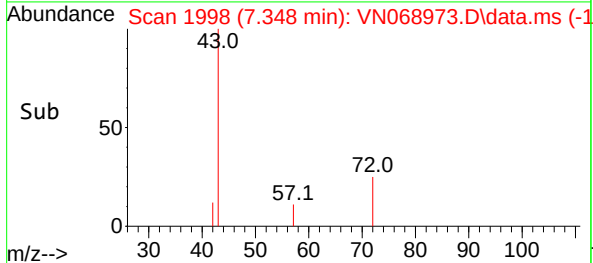
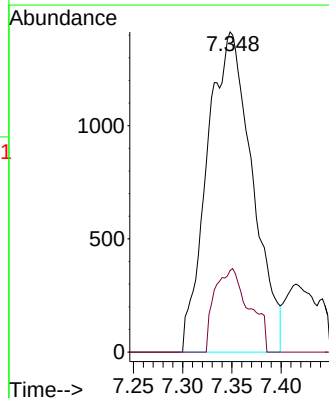
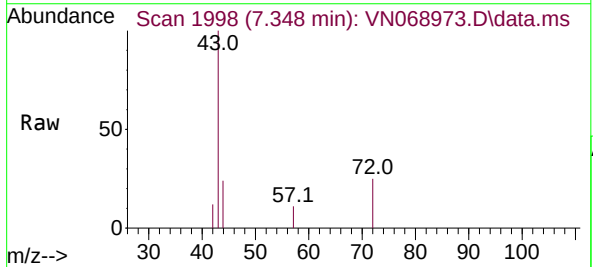
Instrument :
MSVOA_N
ClientSampled :

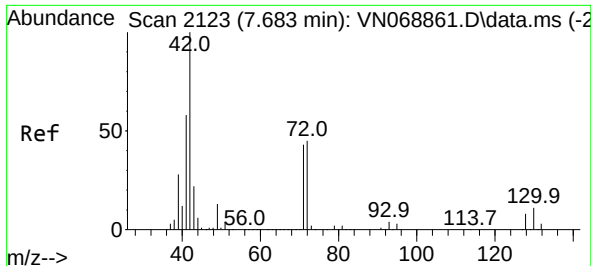
Tgt Ion:	84	Resp:	11806
Ion	Ratio	Lower	Upper
84	100		
49	118.4	97.6	146.4
51	37.1	30.3	45.5
86	65.0	51.8	77.6



#25
2-Butanone
Concen: 1.744 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion:	43	Resp:	4508
Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.375 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.013 min

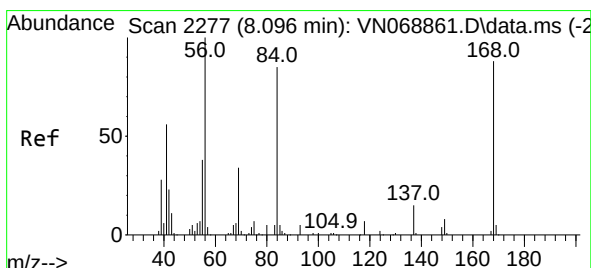
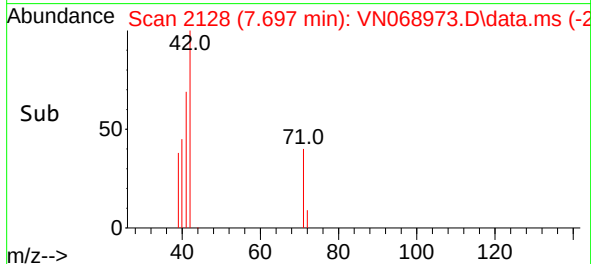
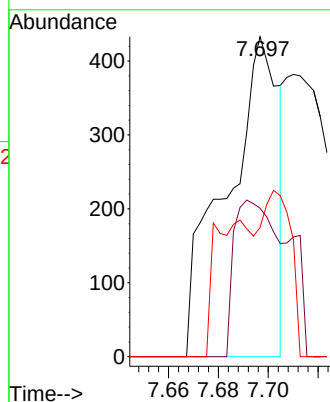
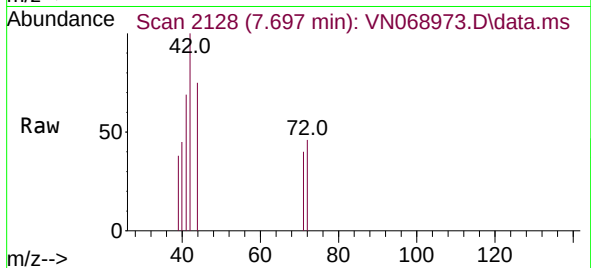
Lab File: VN068973.D

Acq: 18 Oct 2021 12:38

Tgt Ion: 42 Resp: 629

Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.4	53.2#
71	30.0	33.8	50.6#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.151 ug/l

RT: 8.083 min Scan# 2272

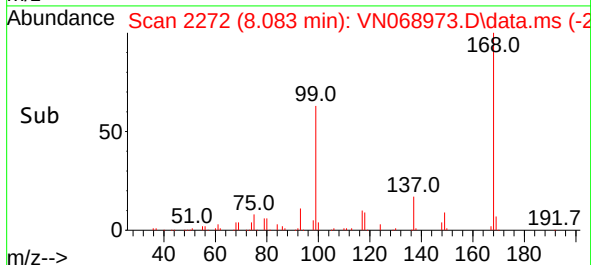
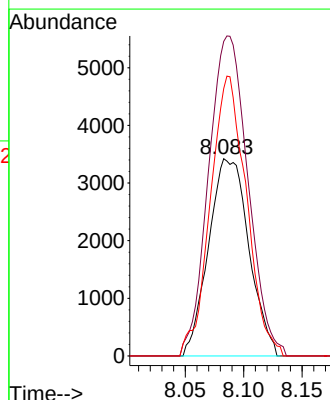
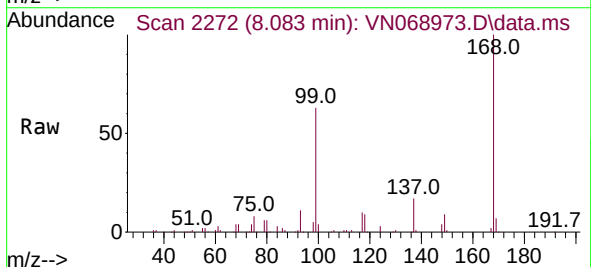
Delta R.T. -0.013 min

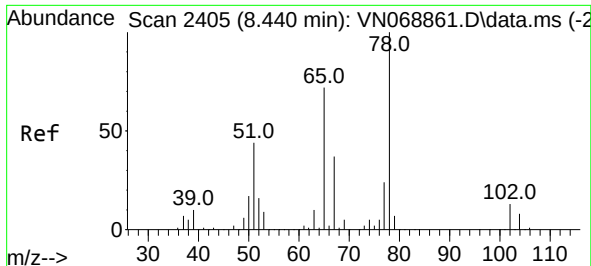
Lab File: VN068973.D

Acq: 18 Oct 2021 12:38

Tgt Ion: 56 Resp: 8199

Ion	Ratio	Lower	Upper
56	100		
69	159.4	26.9	40.3#
84	135.5	67.6	101.4#



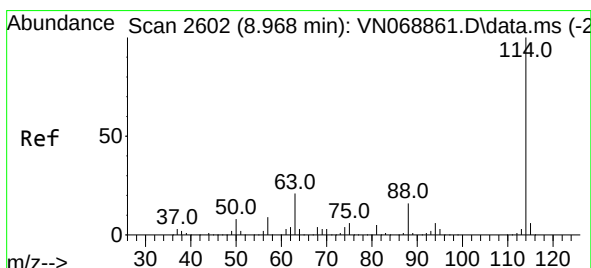
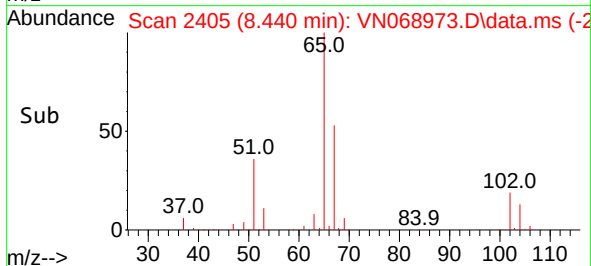
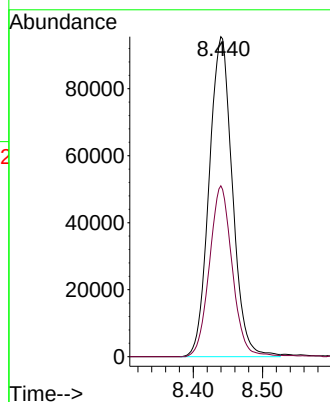
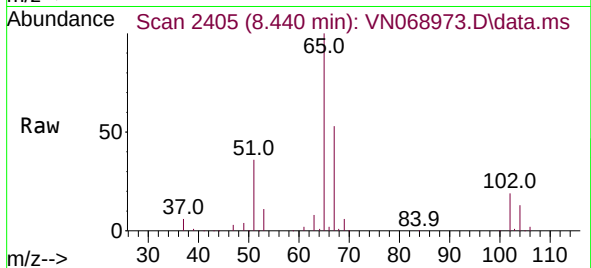


#33

1,2-Dichloroethane-d4
Concen: 48.673 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampled :

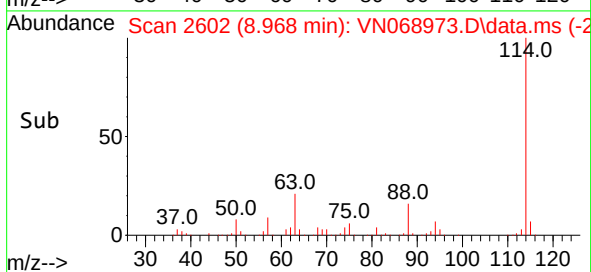
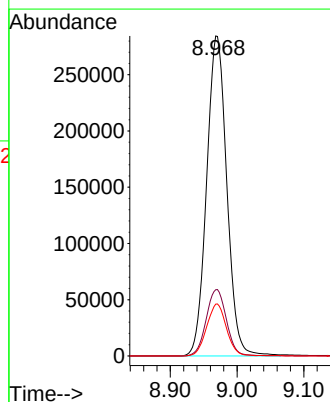
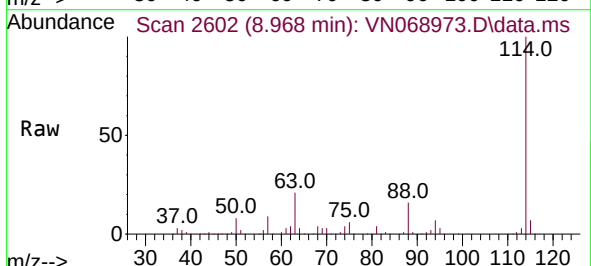
Tgt Ion: 65 Resp: 222951
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8

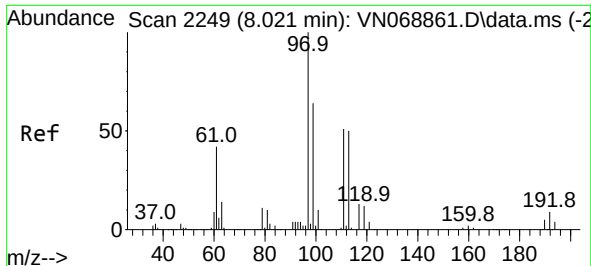


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 114 Resp: 598049
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.6
88 16.2 0.0 32.0

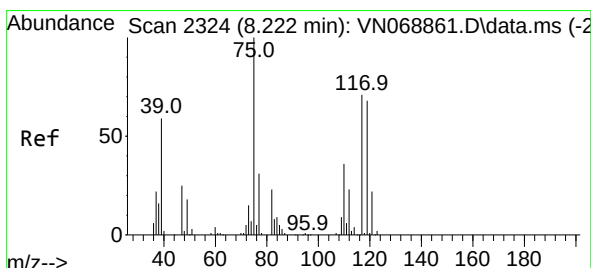
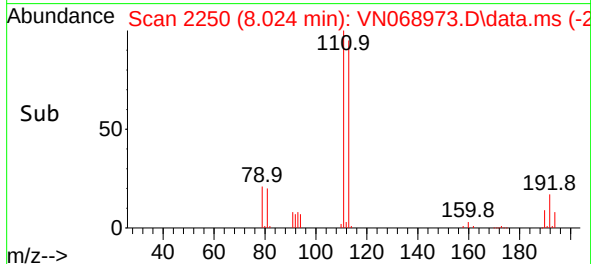
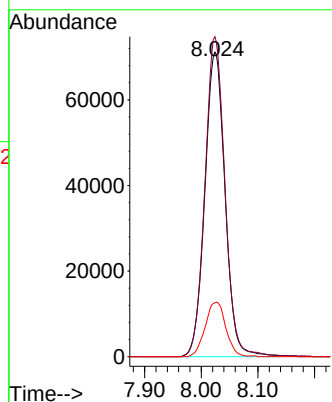
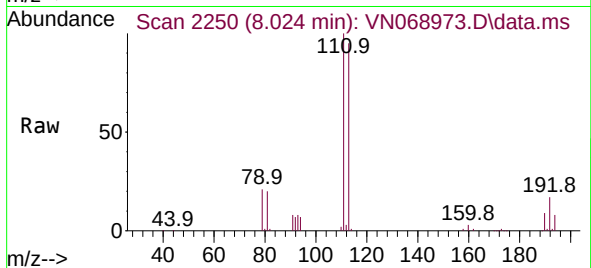




#35
Dibromofluoromethane
Concen: 50.775 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

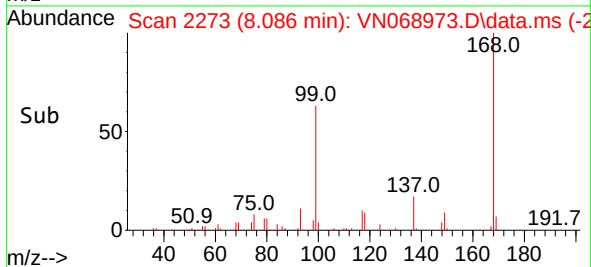
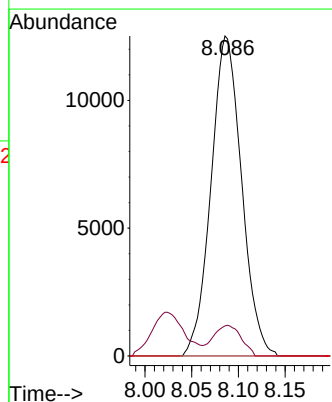
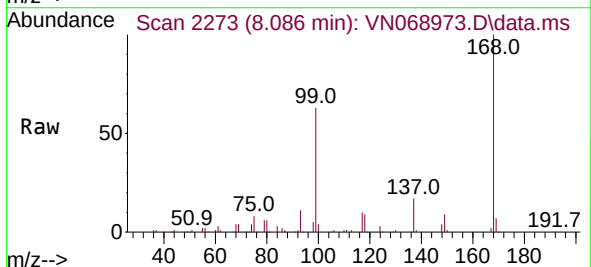
Instrument :
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ClientSampled :

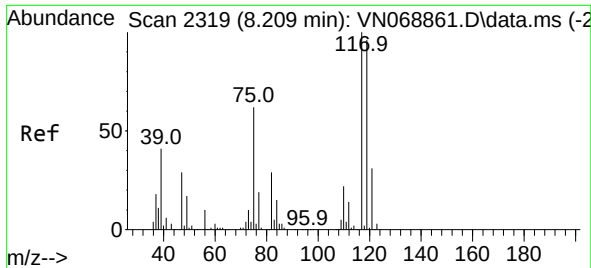
Tgt Ion:113 Resp: 176672
Ion Ratio Lower Upper
113 100
111 104.2 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.577 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 75 Resp: 28490
Ion Ratio Lower Upper
75 100
110 8.8 17.9 53.8#
77 0.0 24.7 37.1#

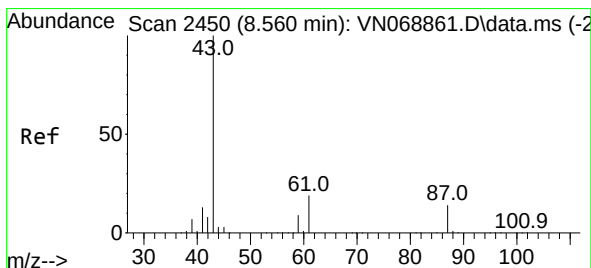
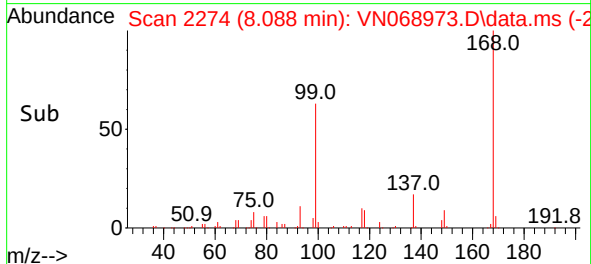
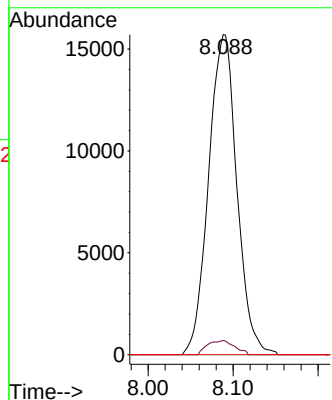
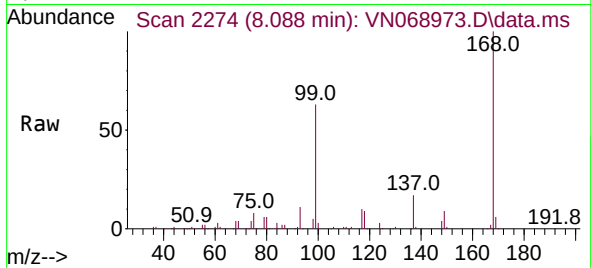




#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

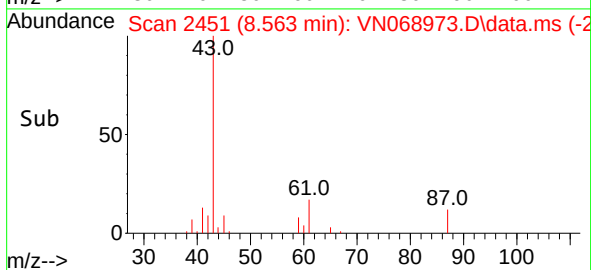
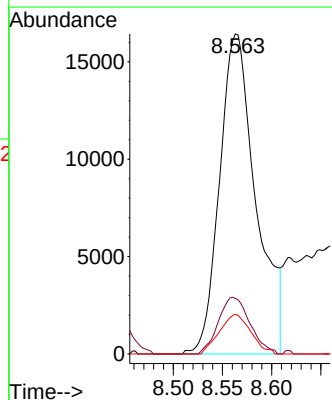
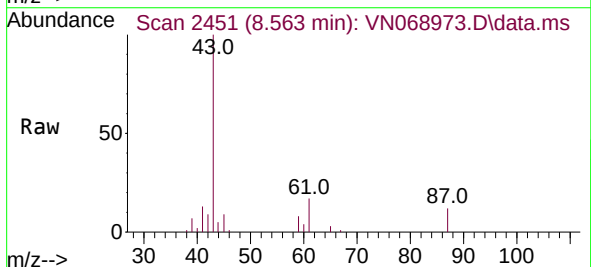
Instrument :
MSVOA_N
ClientSampled :

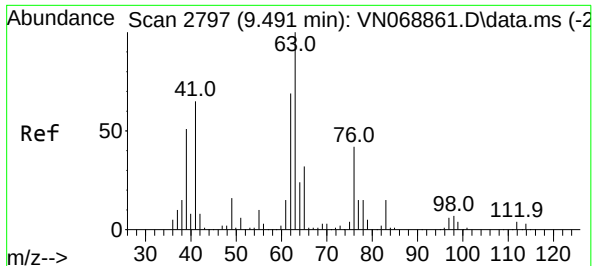
Tgt Ion:117 Resp: 36343
Ion Ratio Lower Upper
117 100
119 4.4 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 4.538 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 43 Resp: 42242
Ion Ratio Lower Upper
43 100
61 15.4 20.4 30.6#
87 10.7 10.7 16.1#



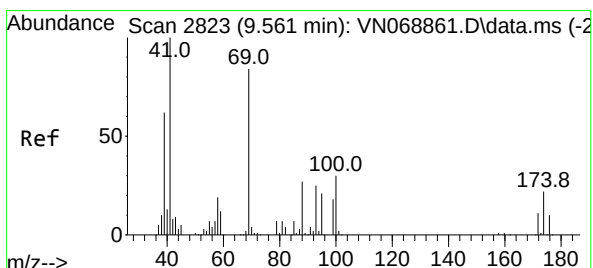
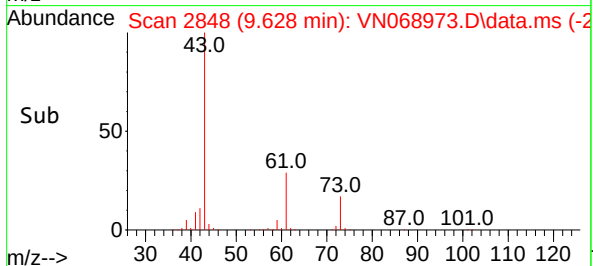
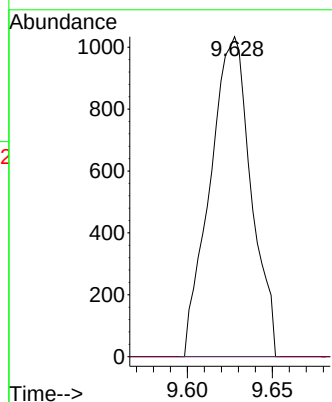
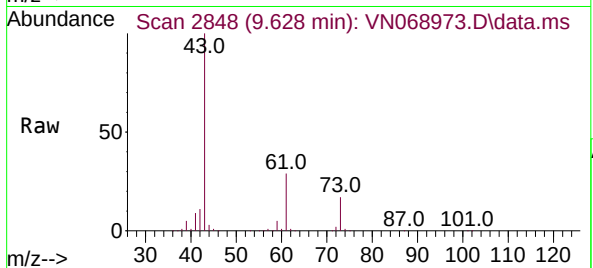


#45

1,2-Dichloropropane
Concen: 0.432 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampled :

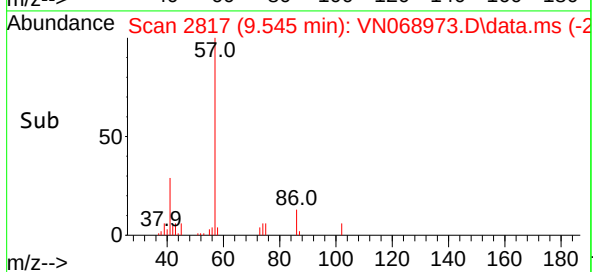
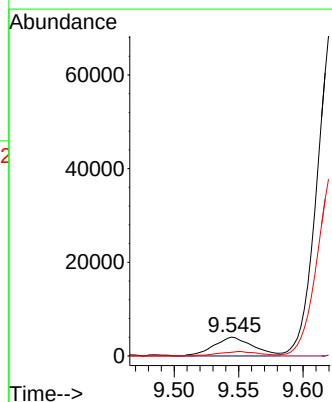
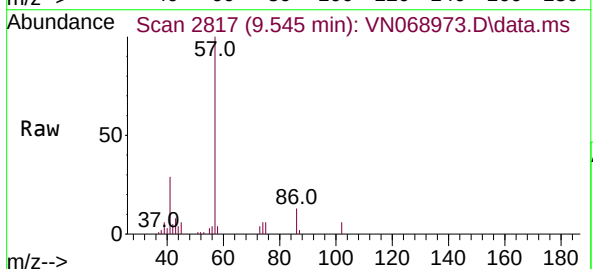
Tgt Ion: 63 Resp: 1745
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

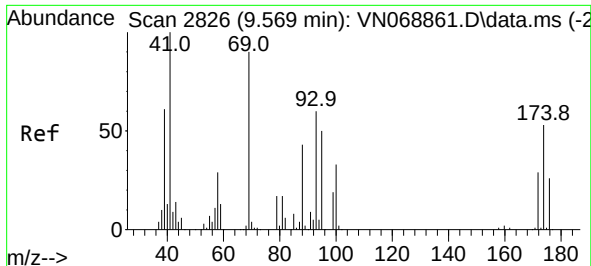


#48

Methyl methacrylate
Concen: 1.944 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 41 Resp: 8501
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: 36.505 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN068973.D

Acq: 18 Oct 2021 12:38

Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

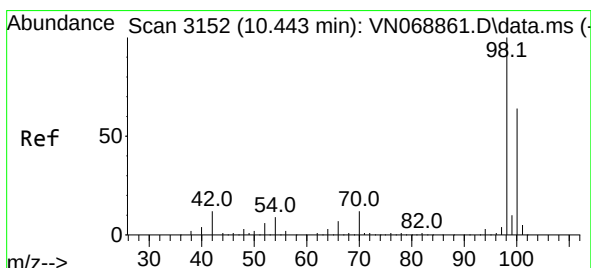
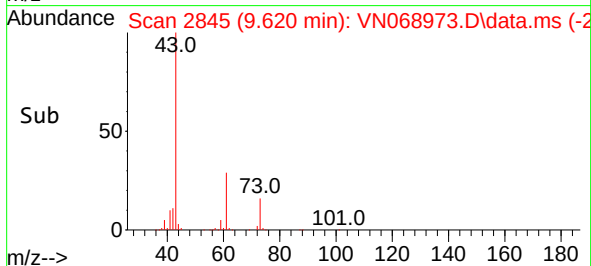
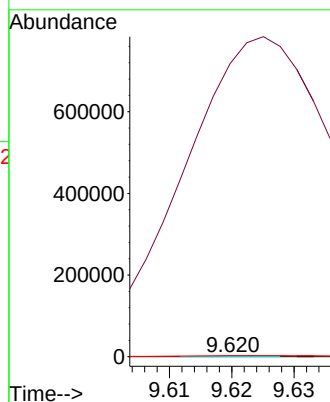
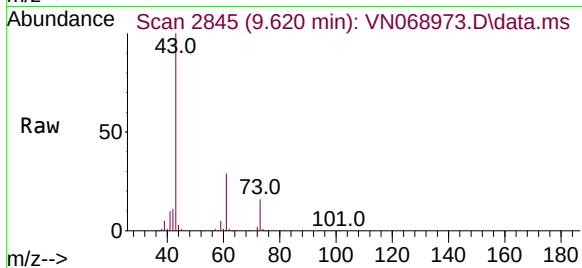
43 1956103.9 24.9 37.3#

58 7153.2 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 54.302 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068973.D

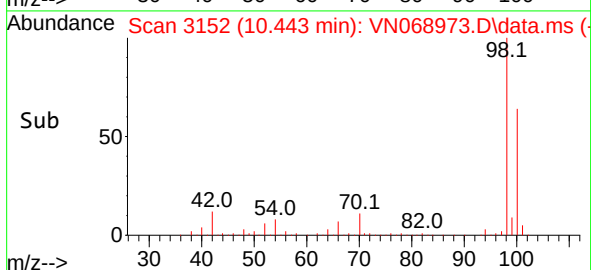
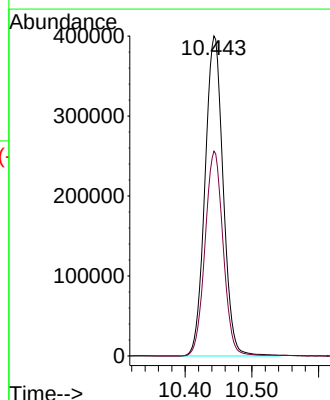
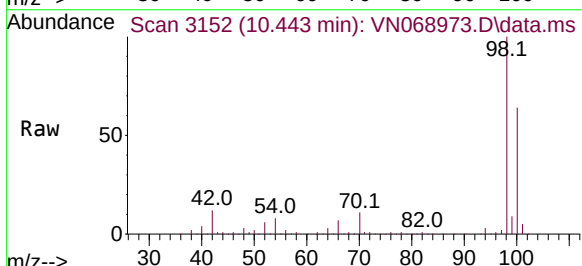
Acq: 18 Oct 2021 12:38

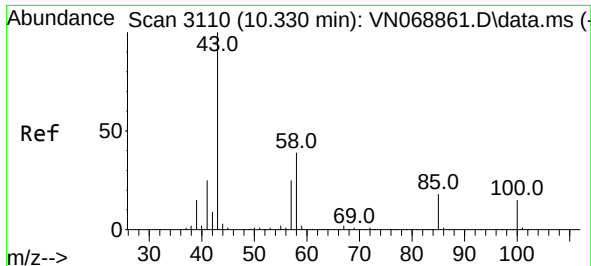
Tgt Ion: 98 Resp: 755994

Ion Ratio Lower Upper

98 100

100 63.7 51.5 77.3

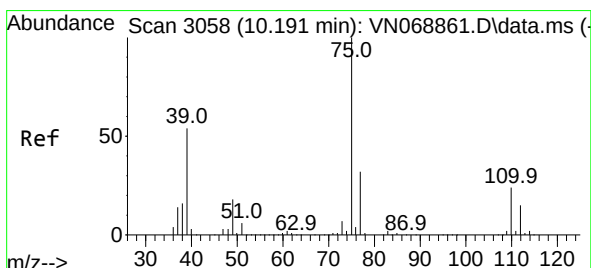
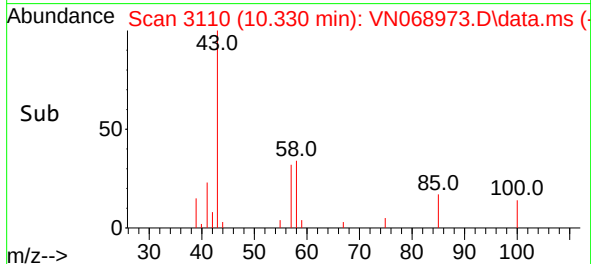
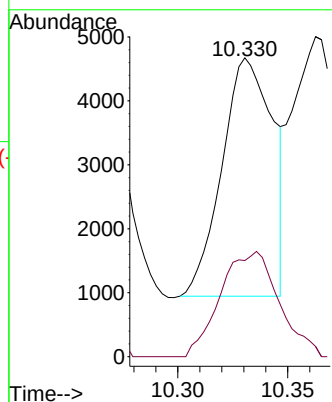
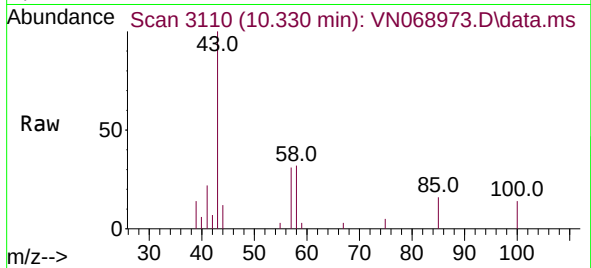




#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

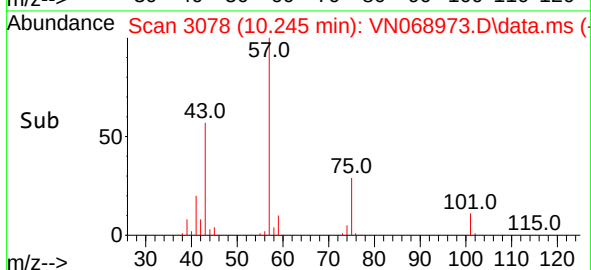
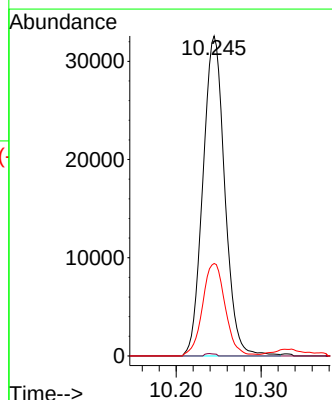
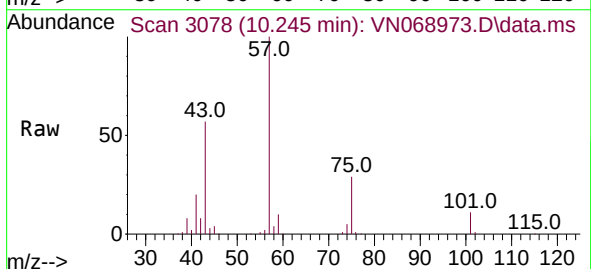
Instrument :
MSVOA_N
ClientSampled :

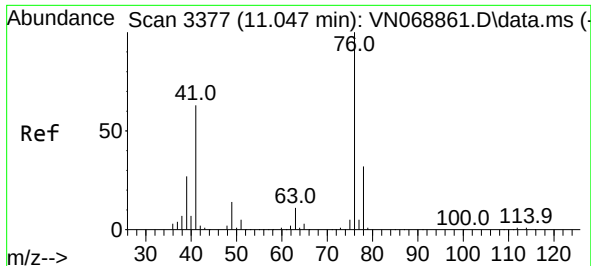
Tgt Ion: 43 Resp: 5980
Ion Ratio Lower Upper
43 100
58 50.9 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 8.638 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 75 Resp: 58123
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 28.9 42.9 64.3#

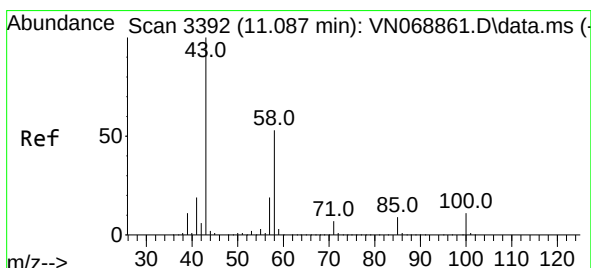
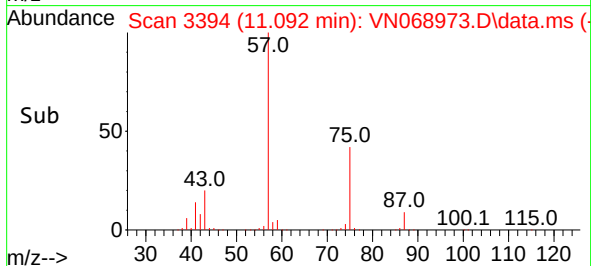
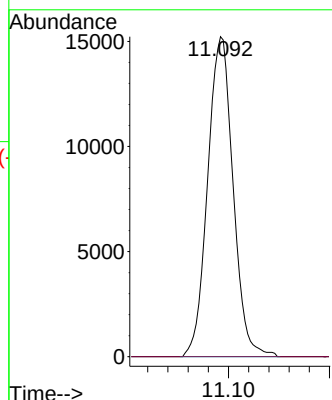
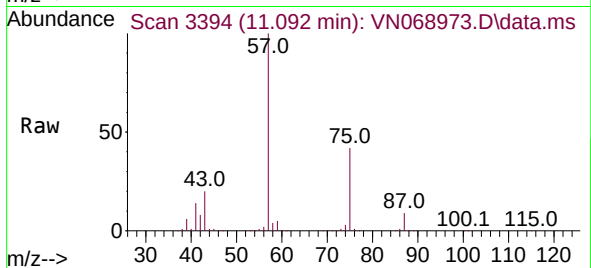




#57
1,3-Dichloropropane
Concen: 4.095 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

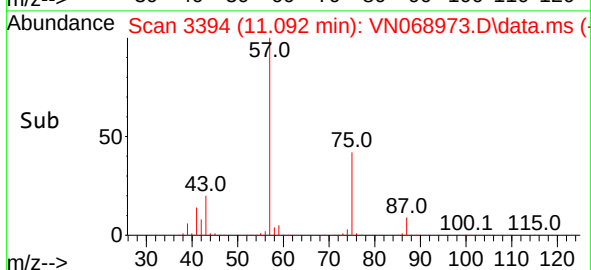
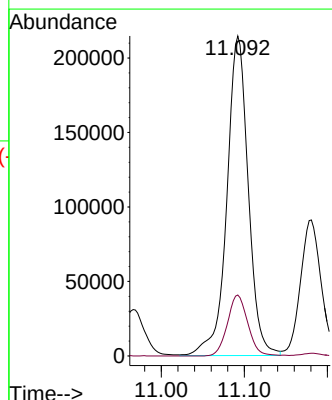
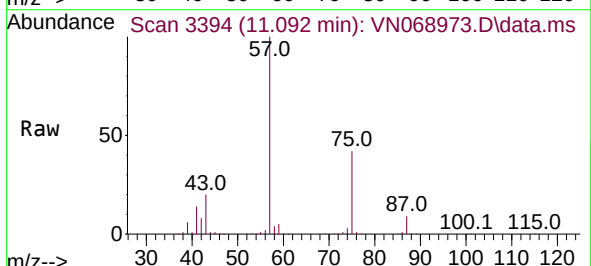
Instrument :
MSVOA_N
ClientSampled :

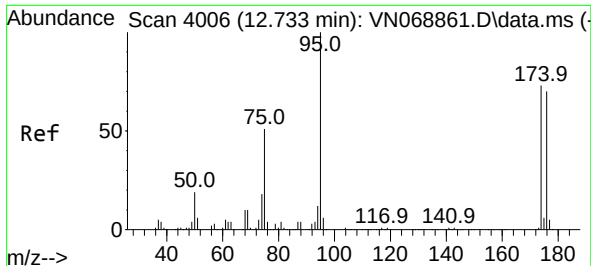
Tgt Ion: 76 Resp: 26641
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 99.315 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 43 Resp: 384424
Ion Ratio Lower Upper
43 100
58 18.2 26.9 80.7#

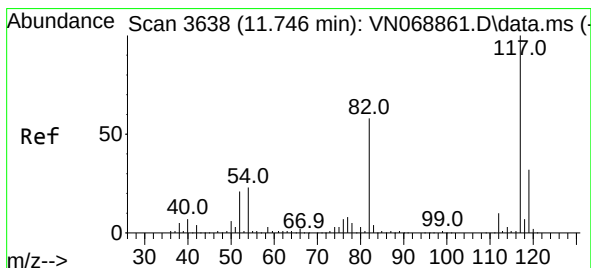
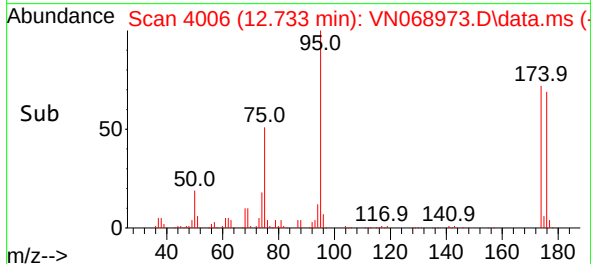
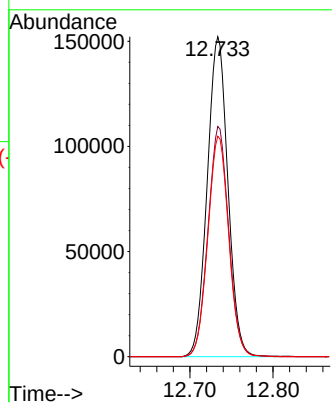
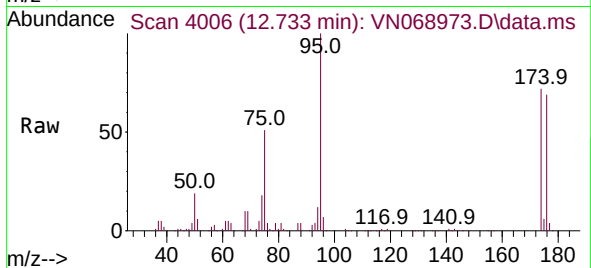




#62
4-Bromofluorobenzene
Concen: 49.993 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

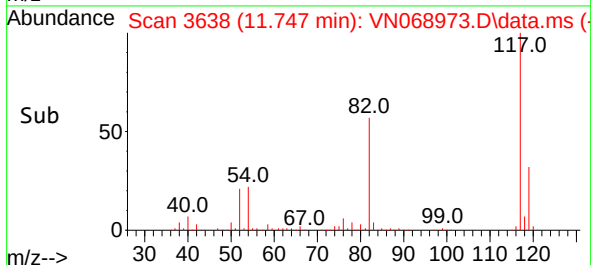
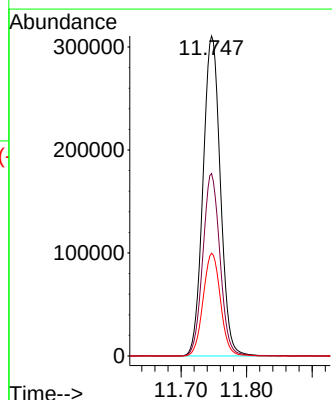
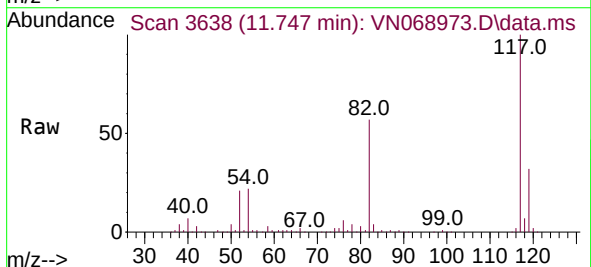
Instrument :
MSVOA_N
ClientSampled :

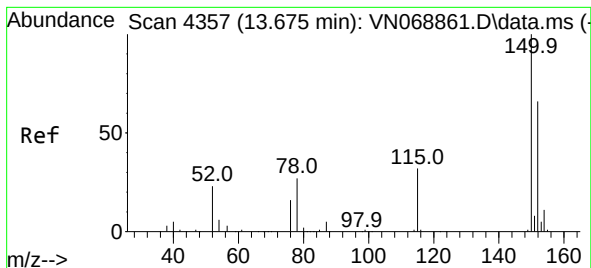
Tgt Ion: 95 Resp: 262596
Ion Ratio Lower Upper
95 100
174 72.2 0.0 144.8
176 69.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion: 117 Resp: 570258
Ion Ratio Lower Upper
117 100
82 57.0 46.4 69.6
119 32.1 26.0 39.0

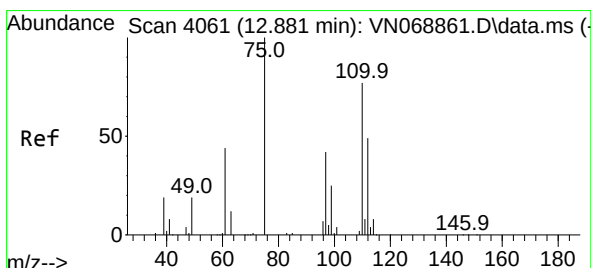
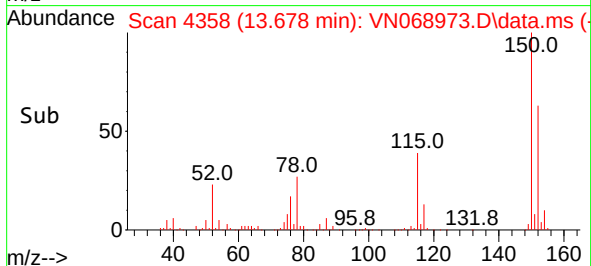
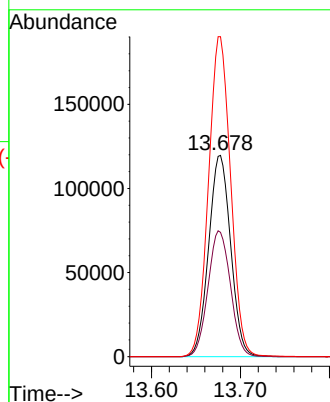
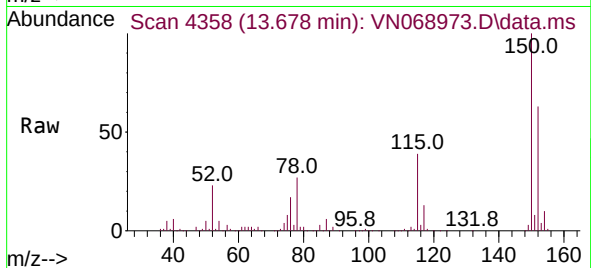




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068973.D
 Acq: 18 Oct 2021 12:38

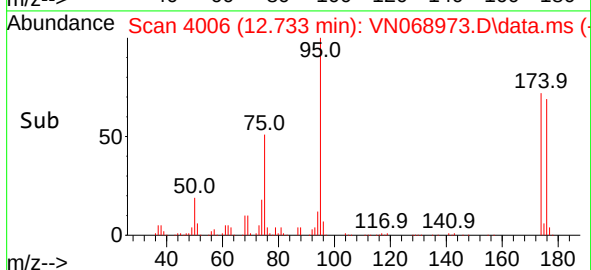
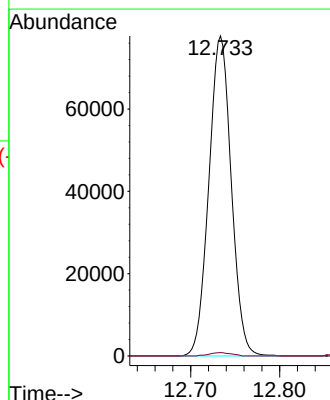
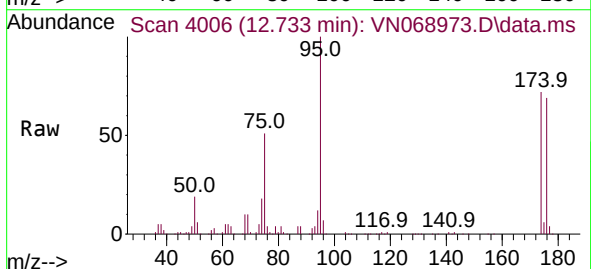
Instrument :
 MSVOA_N
 ClientSampled :

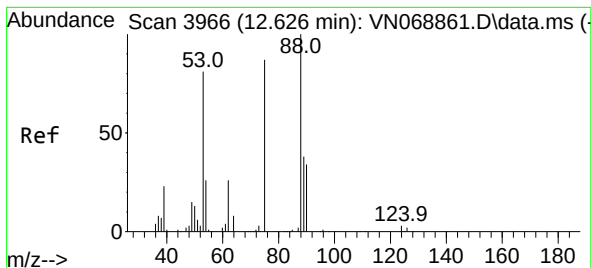
Tgt Ion:152 Resp: 205620
 Ion Ratio Lower Upper
 152 100
 115 63.7 31.4 94.3
 150 159.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 31.061 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN068973.D
 Acq: 18 Oct 2021 12:38

Tgt Ion: 75 Resp: 135894
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

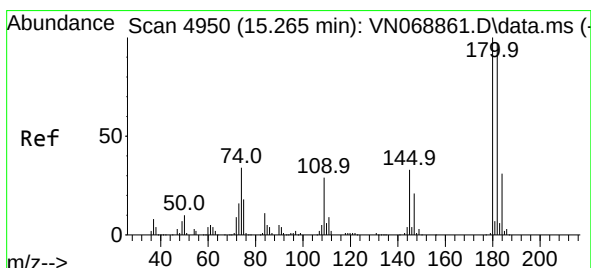
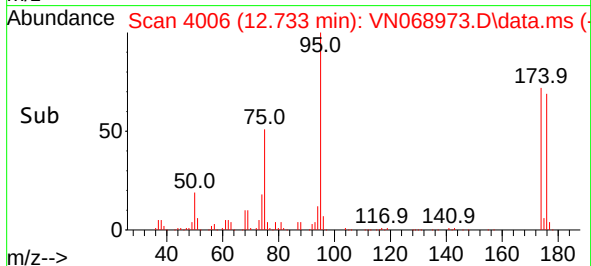
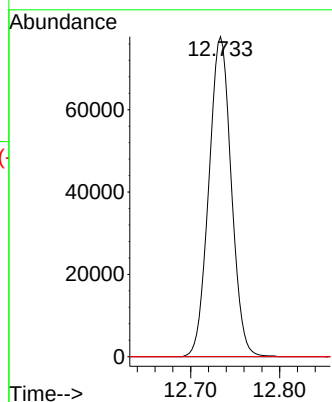
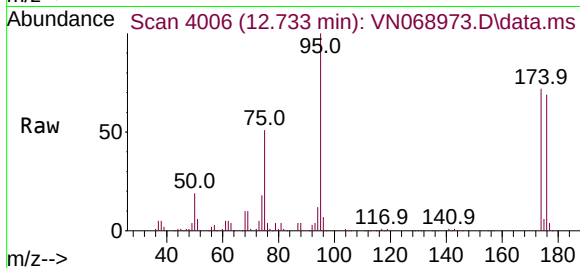




#81
trans-1,4-Dichloro-2-butene
Concen: 74.313 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

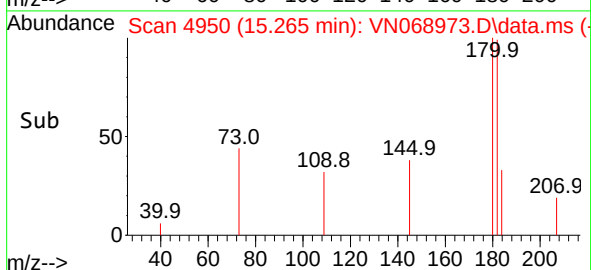
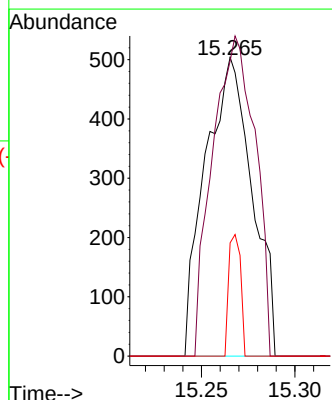
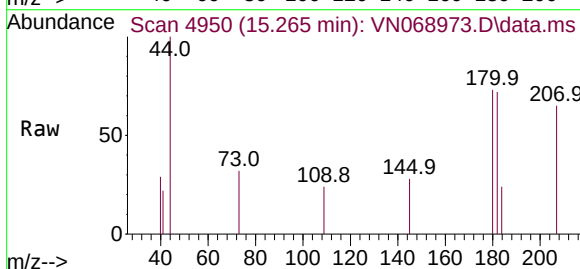
Instrument :
MSVOA_N
ClientSampleId :

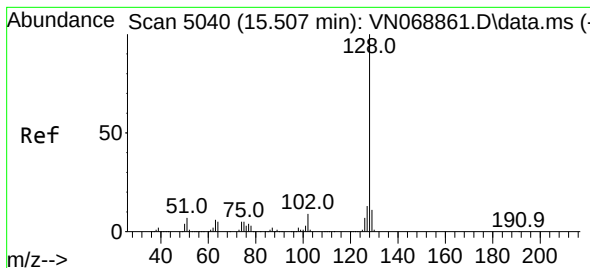
Tgt Ion: 75 Resp: 135894
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.843 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion:180 Resp: 879
Ion Ratio Lower Upper
180 100
182 97.4 47.9 143.7
145 10.4 16.4 49.2#

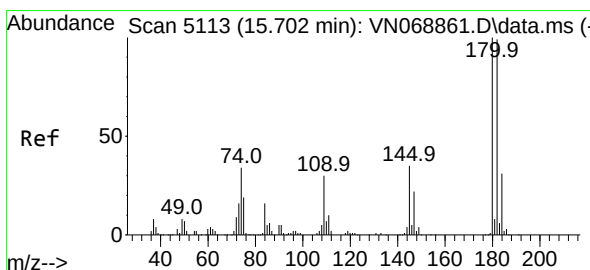
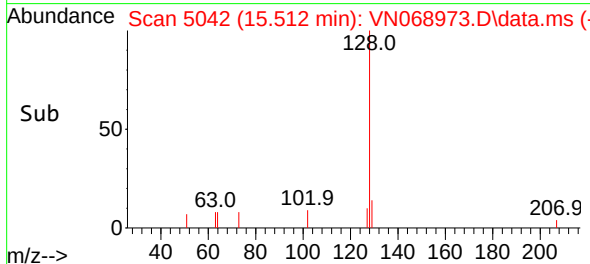
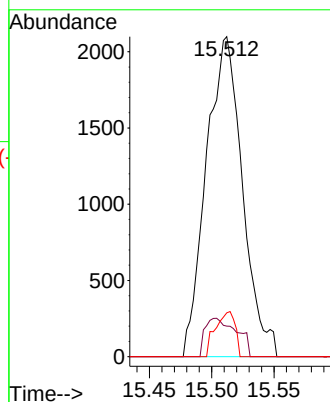
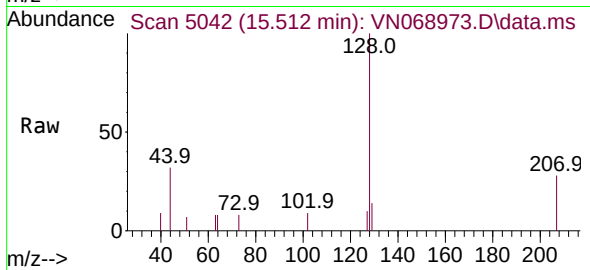




#95
Naphthalene
Concen: 4.222 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4243
Ion Ratio Lower Upper
128 100
127 10.5 10.5 15.7
129 7.7 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.797 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN068973.D
Acq: 18 Oct 2021 12:38

Tgt Ion:180 Resp: 980
Ion Ratio Lower Upper
180 100
182 95.2 48.1 144.3
145 24.0 17.4 52.2

