

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN068972.D
 Acq On : 18 Oct 2021 12:13
 Operator : JC/MD
 Sample : PB138934TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

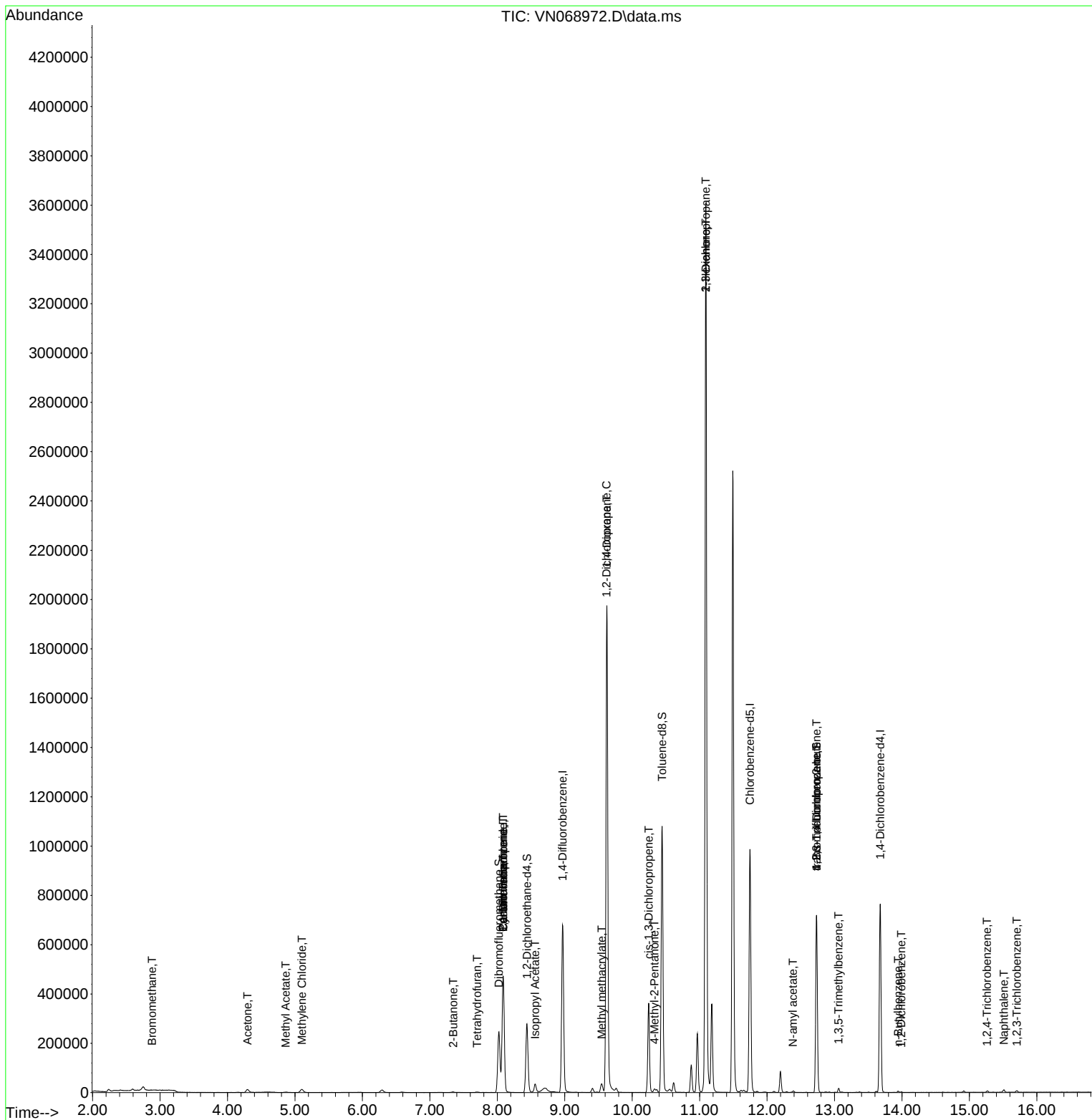
Quant Time: Oct 19 06:34:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

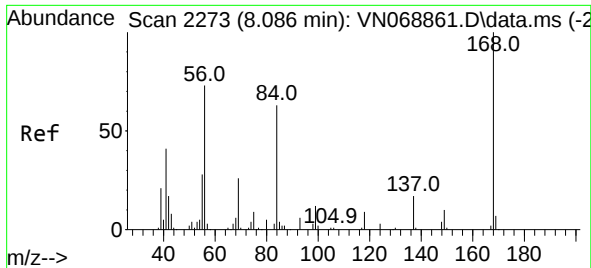
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	357500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	618522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	580142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232930	49.417	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.840%		
35) Dibromofluoromethane	8.024	113	186004	51.688	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.380%		
50) Toluene-d8	10.443	98	781947	54.307	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.620%		
62) 4-Bromofluorobenzene	12.734	95	266965	49.143	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.280%		
Target Compounds						Qvalue
5) Bromomethane	2.880	94	815	0.334	ug/l #	39
16) Acetone	4.296	43	23186	13.181	ug/l	100
18) Methyl Acetate	4.865	43	4119	0.617	ug/l #	71
20) Methylene Chloride	5.103	84	10950	2.705	ug/l	97
25) 2-Butanone	7.345	43	4952	1.862	ug/l	93
29) Tetrahydrofuran	7.699	42	1708	0.990	ug/l #	49
31) Cyclohexane	8.086	56	8007	1.093	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	29546	5.592	ug/l #	49
38) Carbon Tetrachloride	8.086	117	37400	6.446	ug/l #	16
43) Isopropyl Acetate	8.560	43	41221	4.282	ug/l #	90
45) 1,2-Dichloropropane	9.620	63	2381	0.570	ug/l #	43
48) Methyl methacrylate	9.547	41	9221	2.038	ug/l #	13
49) 1,4-Dioxane	9.622	88	143	37.198	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	8585	1.538	ug/l	94
54) cis-1,3-Dichloropropene	10.245	75	69756	10.023	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	38786	5.764	ug/l #	42
59) 2-Hexanone	11.092	43	553685	138.309	ug/l #	51
74) N-amyl acetate	12.385	43	3743	0.573	ug/l #	76
76) 1,2,3-Trichloropropane	12.734	75	138566	31.450	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	8993	0.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	138566	75.243	ug/l #	12
89) n-Butylbenzene	13.943	91	3537	0.306	ug/l	95
91) 1,2-Dichlorobenzene	13.989	146	1401	0.219	ug/l	94
93) 1,2,4-Trichlorobenzene	15.263	180	2281	3.223	ug/l	97
95) Naphthalene	15.512	128	10433	4.815	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	2816	3.322	ug/l #	88

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

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Response via : Initial Calibration

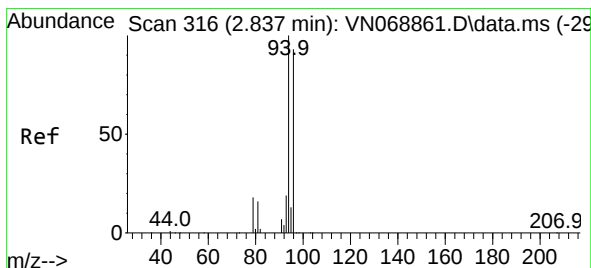
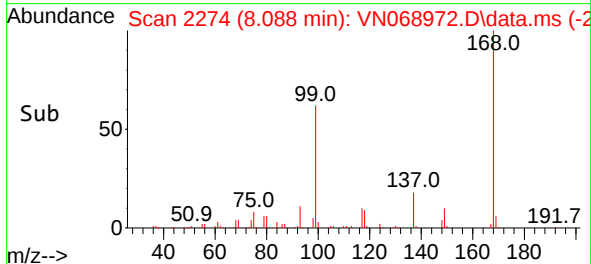
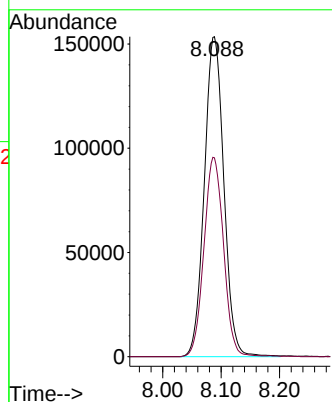
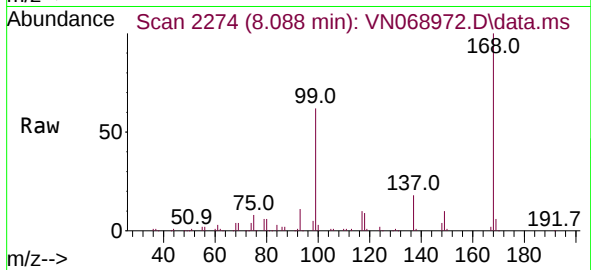




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

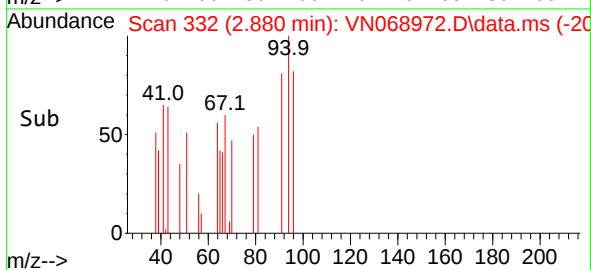
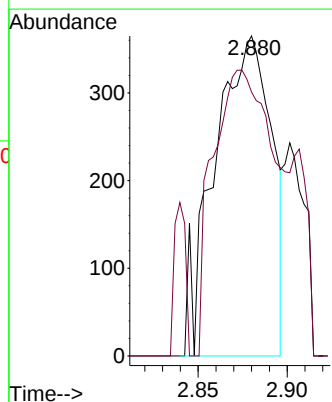
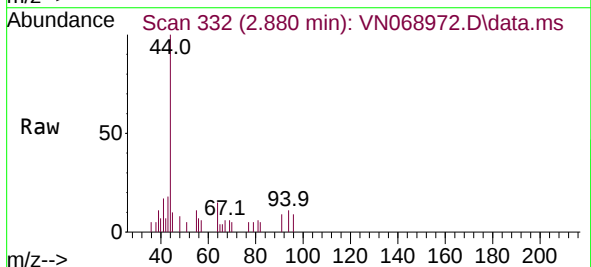
Instrument :
MSVOA_N
ClientSampled :

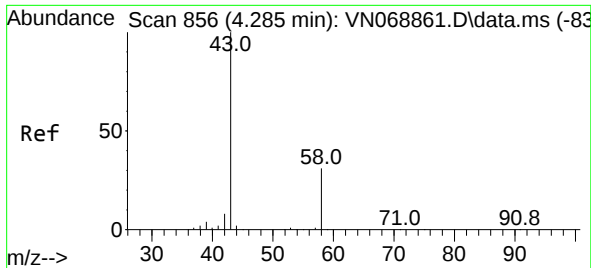
Tgt Ion:168 Resp: 357500
Ion Ratio Lower Upper
168 100
99 62.2 48.9 73.3



#5
Bromomethane
Concen: 0.334 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 94 Resp: 815
Ion Ratio Lower Upper
94 100
96 34.5 74.2 111.4#

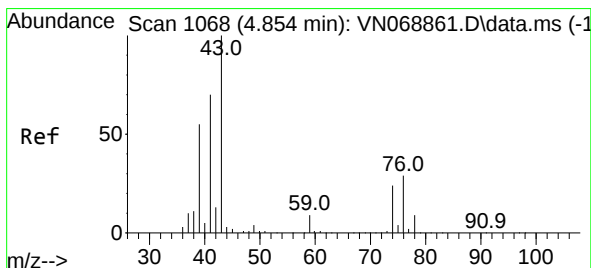
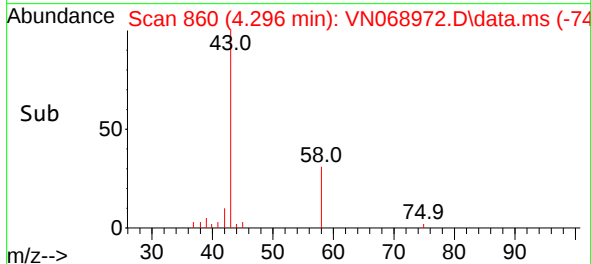
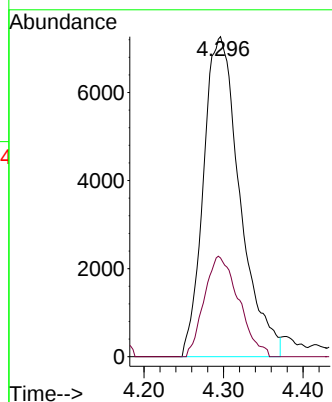
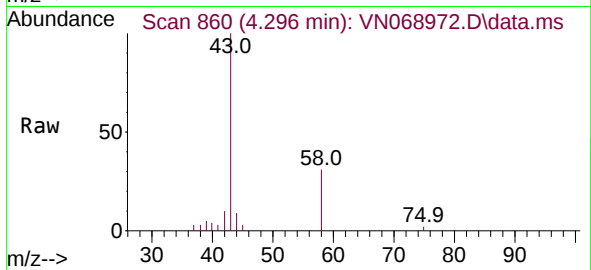




#16
Acetone
Concen: 13.181 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

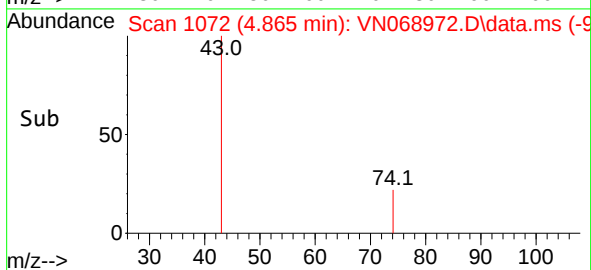
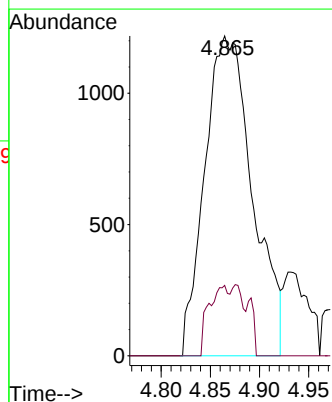
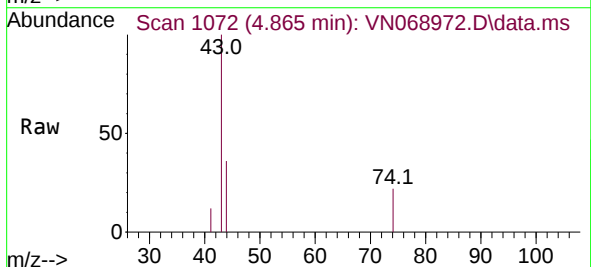
Instrument :
MSVOA_N
ClientSampled :

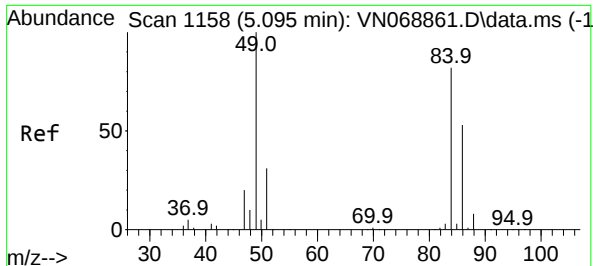
Tgt Ion: 43 Resp: 23186
Ion Ratio Lower Upper
43 100
58 30.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.617 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 43 Resp: 4119
Ion Ratio Lower Upper
43 100
74 9.6 18.9 28.3#

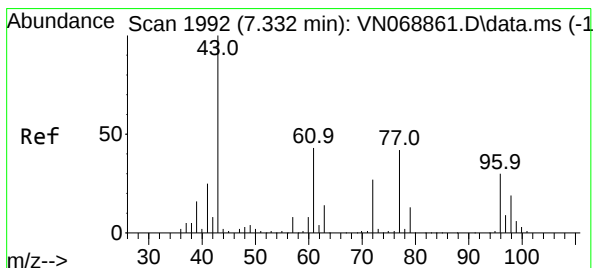
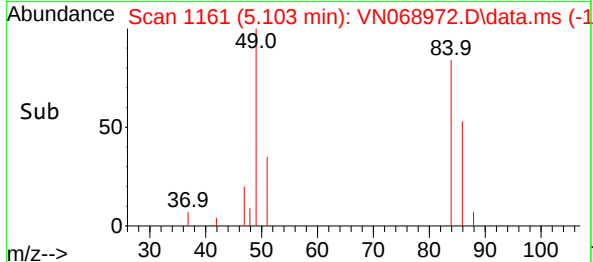
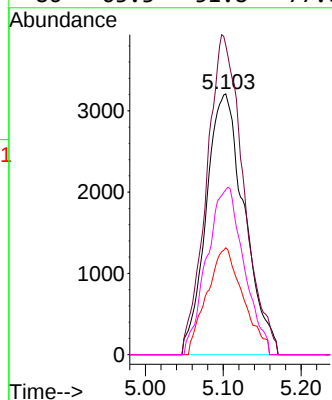
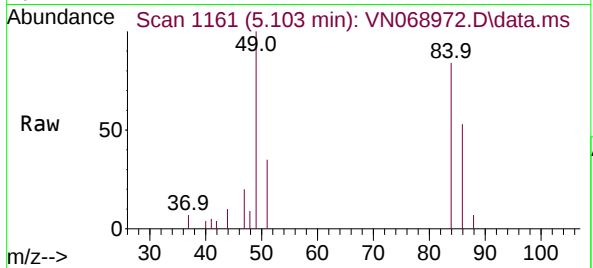




#20
Methylene Chloride
Concen: 2.705 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

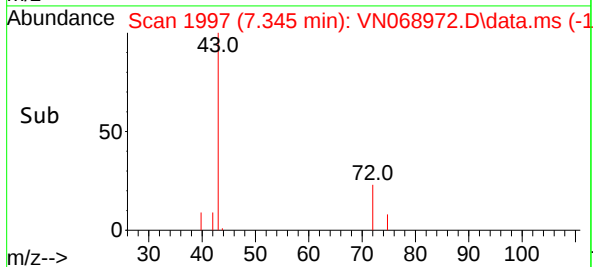
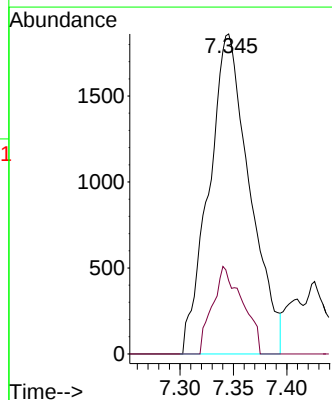
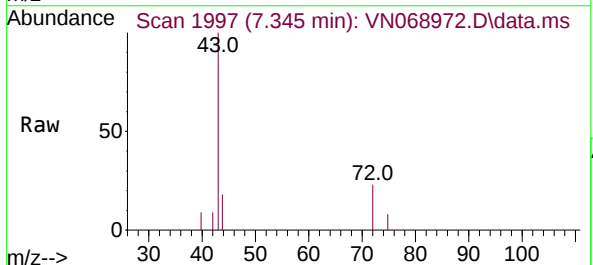
Instrument :
MSVOA_N
ClientSampled :

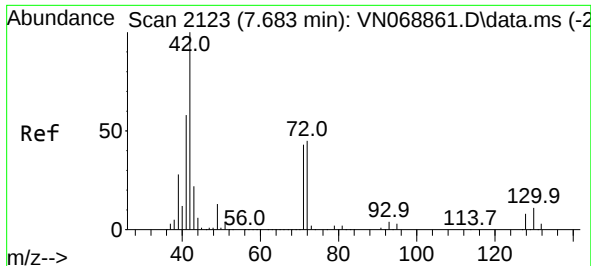
Tgt Ion:	84	Resp:	10950
Ion	Ratio	Lower	Upper
84	100		
49	118.6	97.6	146.4
51	41.0	30.3	45.5
86	63.3	51.8	77.6



#25
2-Butanone
Concen: 1.862 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion:	43	Resp:	4952
Ion	Ratio	Lower	Upper
43	100		
72	22.9	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.990 ug/l

RT: 7.699 min Scan# 2129

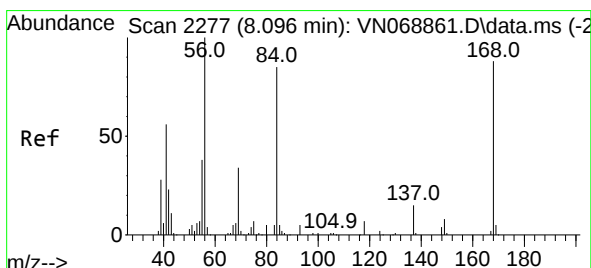
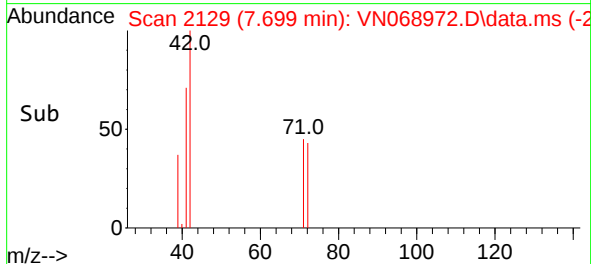
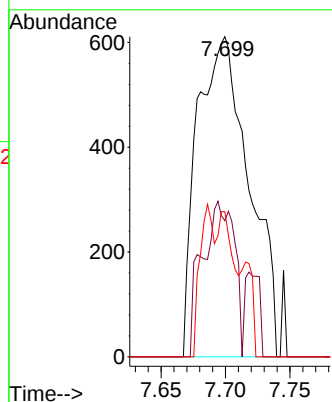
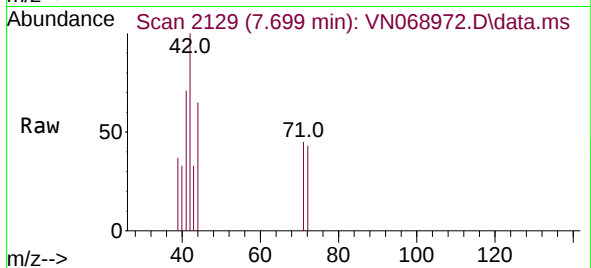
Delta R.T. 0.016 min

Lab File: VN068972.D

Acq: 18 Oct 2021 12:13

Tgt Ion:	42	Resp:	1708
Ion	Ratio	Lower	Upper
42	100		
72	21.3	35.4	53.2#
71	0.0	33.8	50.6#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.093 ug/l

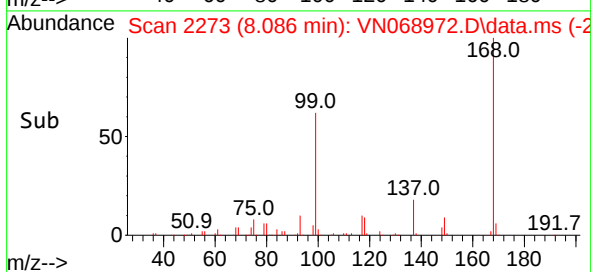
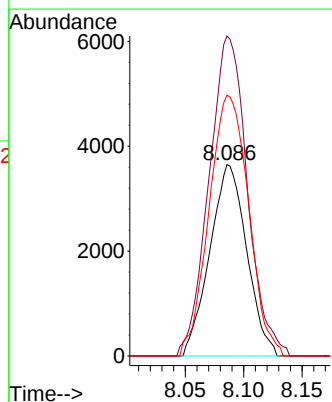
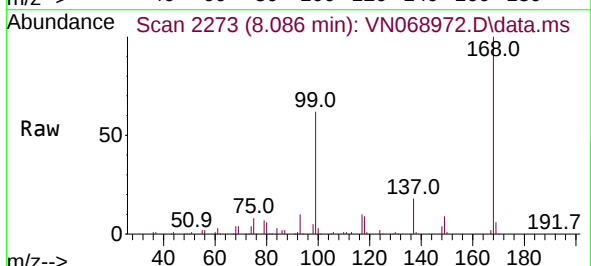
RT: 8.086 min Scan# 2273

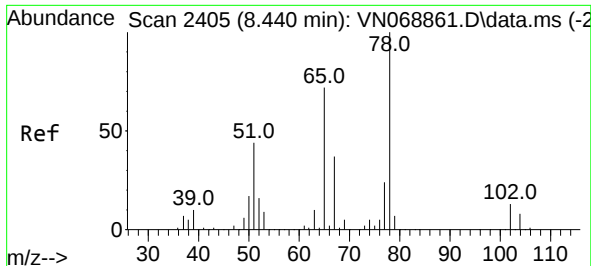
Delta R.T. -0.010 min

Lab File: VN068972.D

Acq: 18 Oct 2021 12:13

Tgt Ion:	56	Resp:	8007
Ion	Ratio	Lower	Upper
56	100		
69	162.2	26.9	40.3#
84	136.3	67.6	101.4#

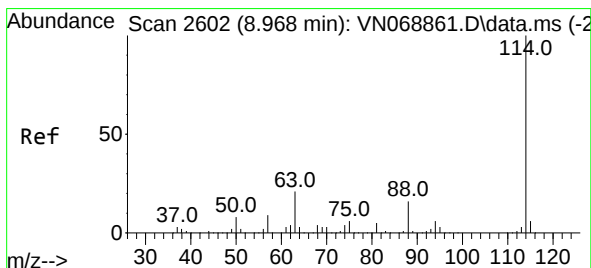
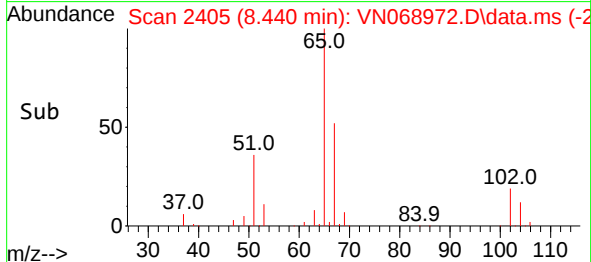
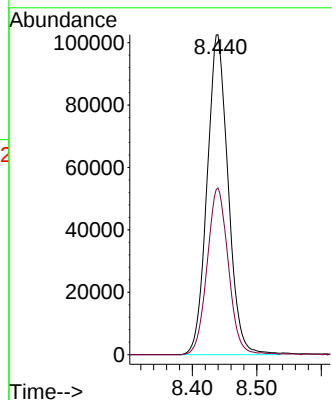
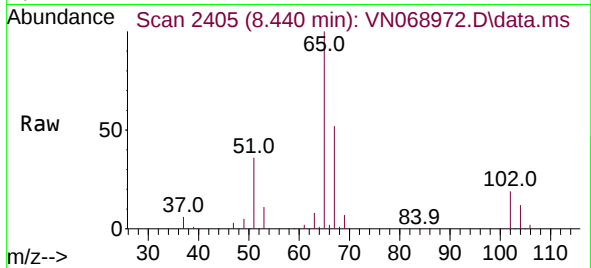




#33
 1,2-Dichloroethane-d4
 Concen: 49.417 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068972.D
 Acq: 18 Oct 2021 12:13

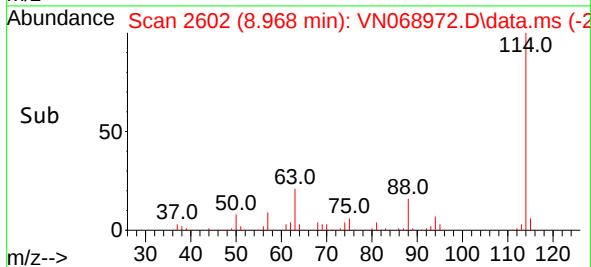
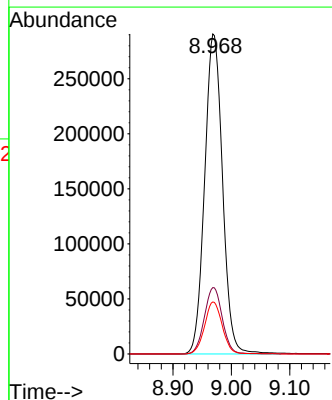
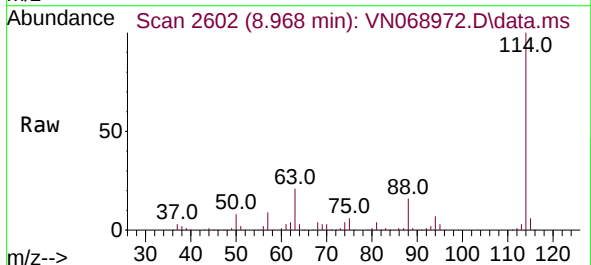
Instrument :
 MSVOA_N
 ClientSampled :

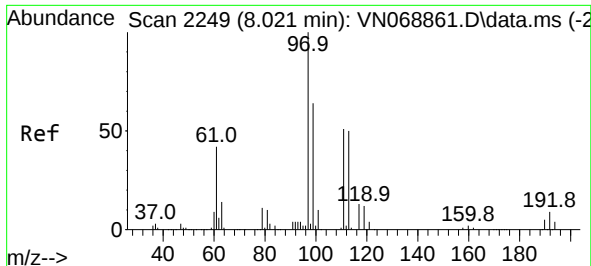
Tgt Ion: 65 Resp: 232930
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN068972.D
 Acq: 18 Oct 2021 12:13

Tgt Ion: 114 Resp: 618522
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 16.3 0.0 32.0

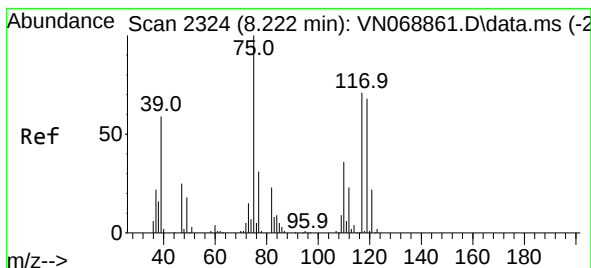
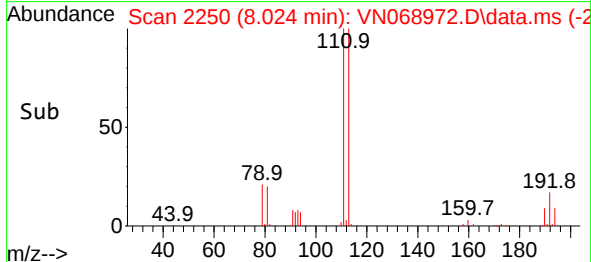
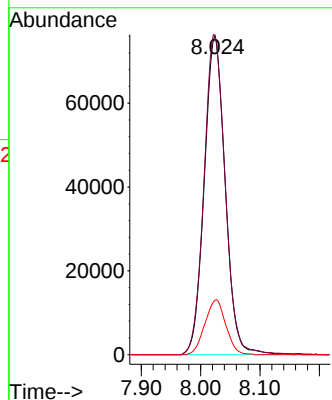
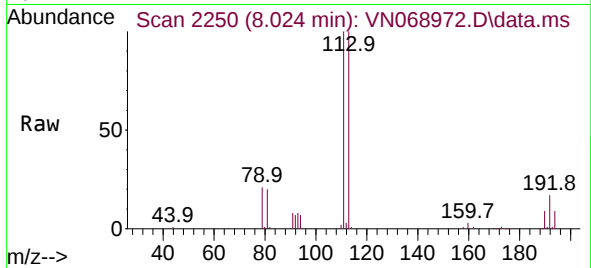




#35
Dibromofluoromethane
Concen: 51.688 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

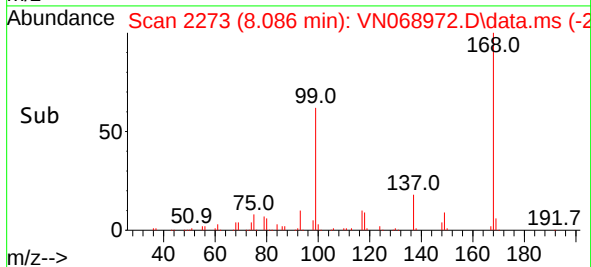
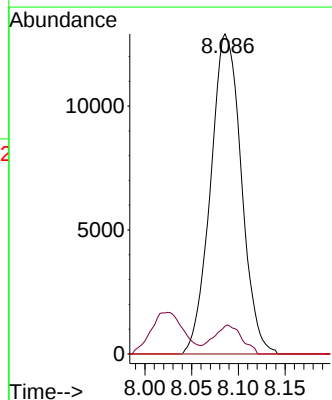
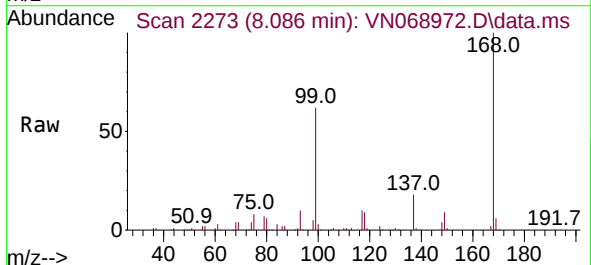
Instrument :
MSVOA_N
ClientSampled :

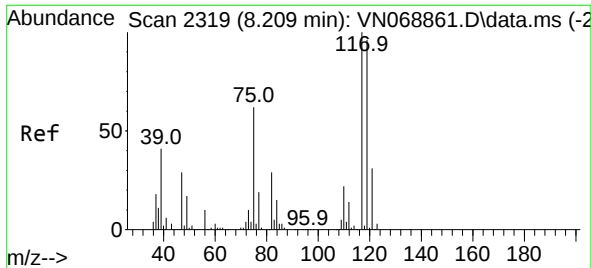
Tgt Ion:113 Resp: 186004
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 17.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.592 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

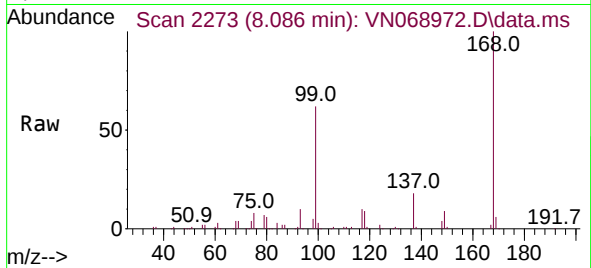
Tgt Ion: 75 Resp: 29546
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



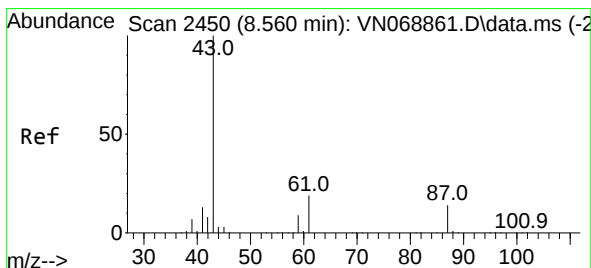
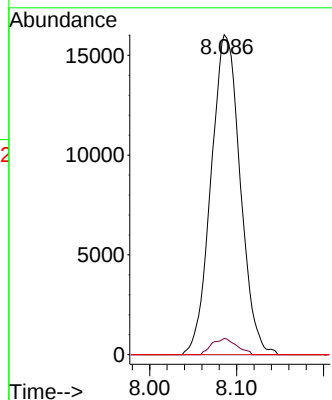
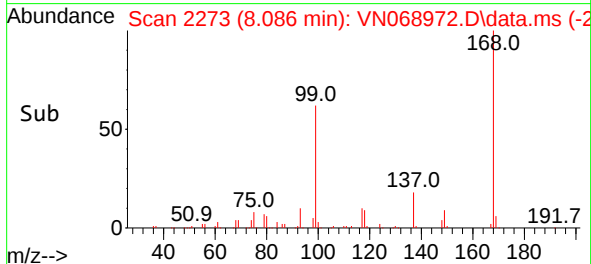


#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

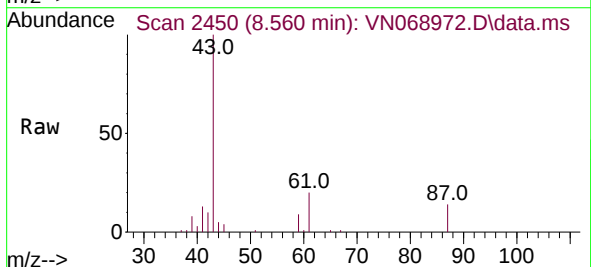
Instrument :
MSVOA_N
ClientSampled :



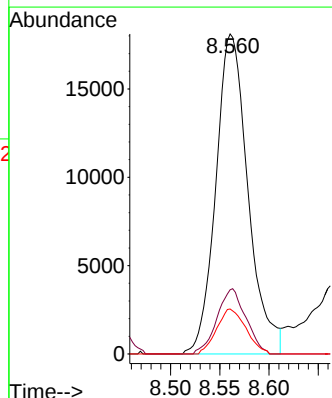
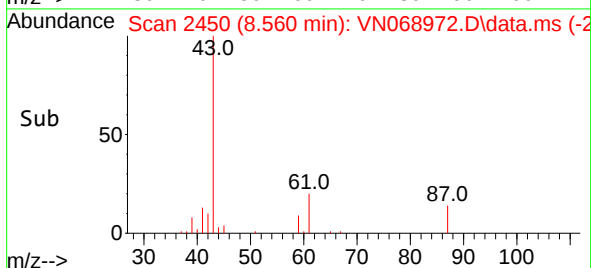
Tgt Ion:117 Resp: 37400
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#

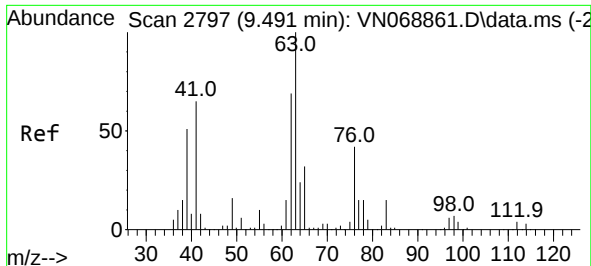


#43
Isopropyl Acetate
Concen: 4.282 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13



Tgt Ion: 43 Resp: 41221
Ion Ratio Lower Upper
43 100
61 18.3 20.4 30.6#
87 12.8 10.7 16.1

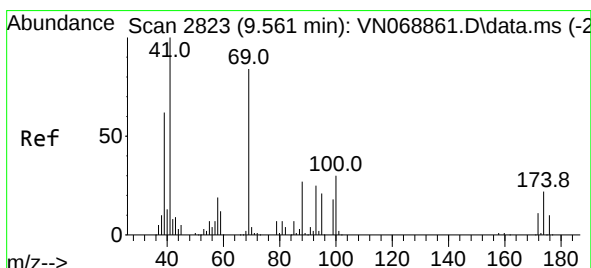
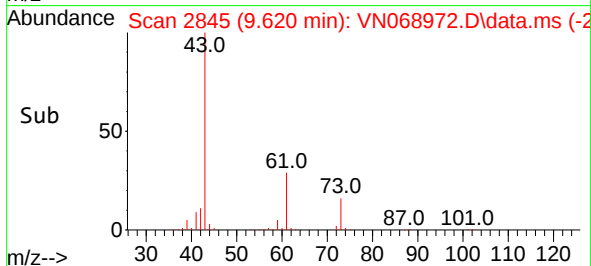
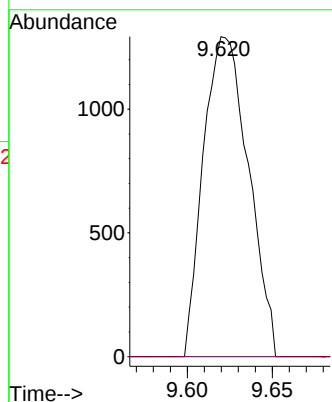
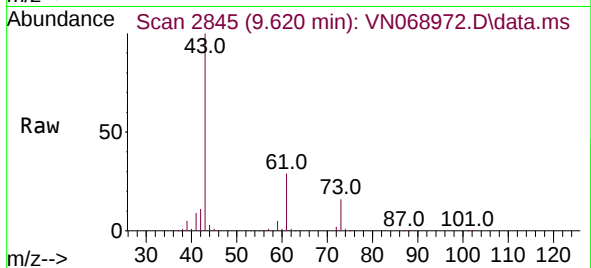




#45
1,2-Dichloropropane
Concen: 0.570 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

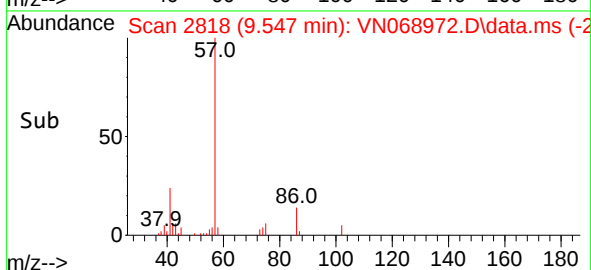
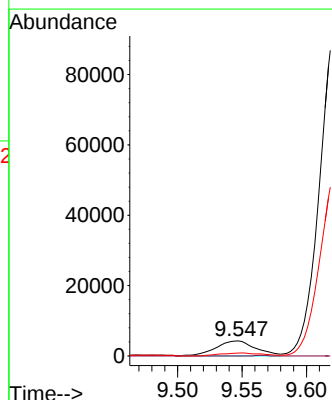
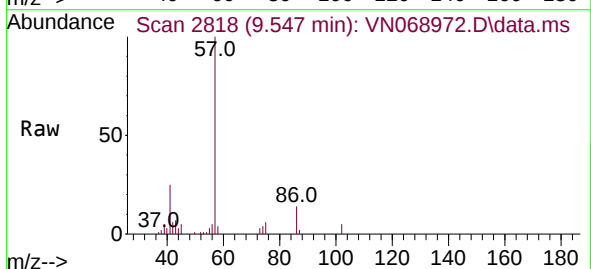
Instrument :
MSVOA_N
ClientSampled :

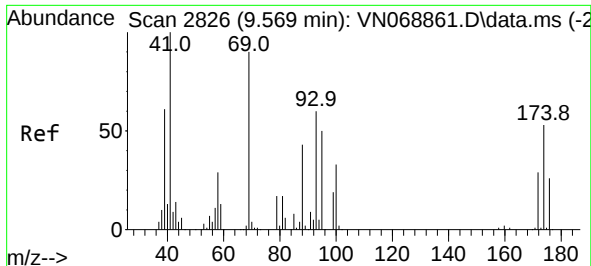
Tgt Ion: 63 Resp: 2381
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 2.038 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 41 Resp: 9221
Ion Ratio Lower Upper
41 100
69 1.2 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 37.198 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.053 min

Lab File: VN068972.D

Acq: 18 Oct 2021 12:13

Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

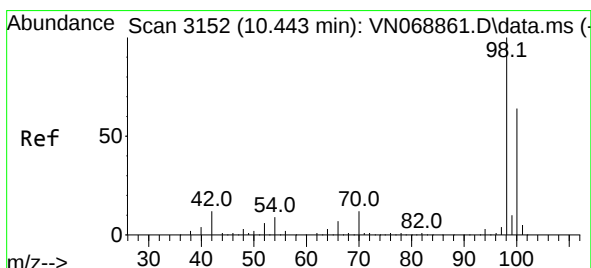
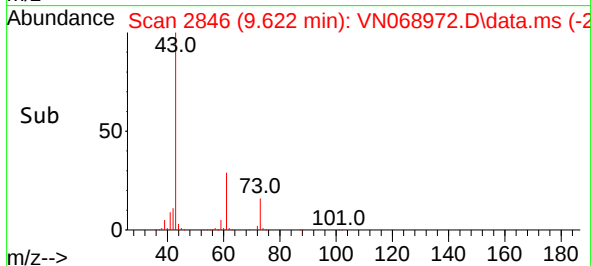
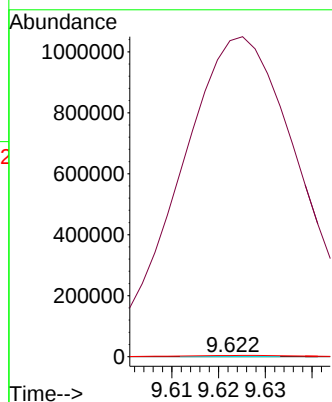
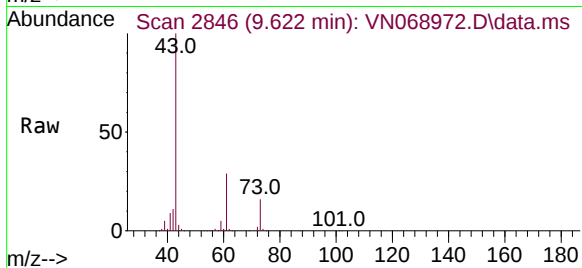
43 1402647.6 24.9 37.3#

58 5272.0 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 54.307 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068972.D

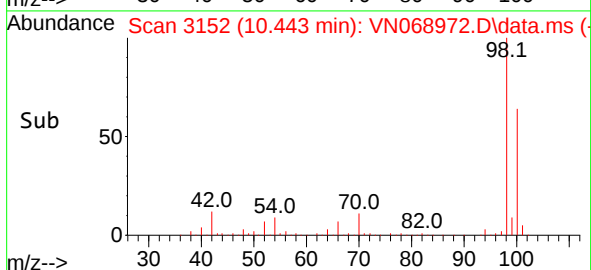
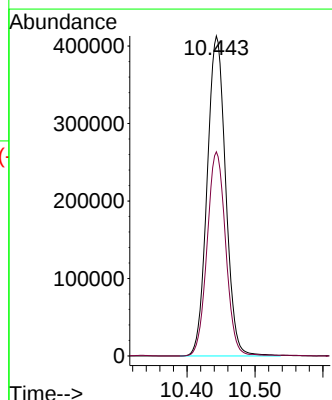
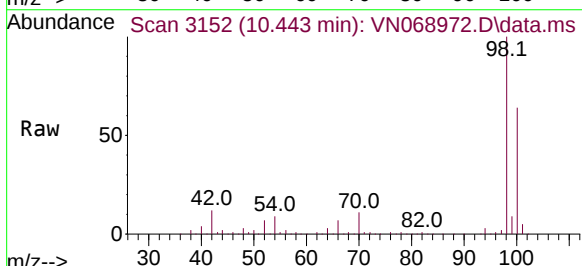
Acq: 18 Oct 2021 12:13

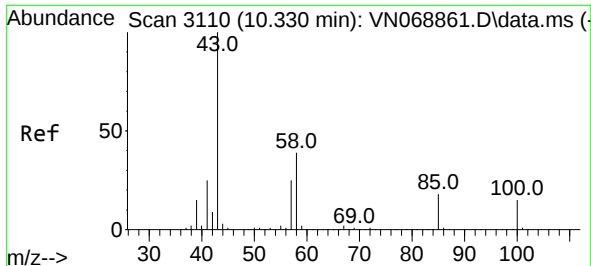
Tgt Ion: 98 Resp: 781947

Ion Ratio Lower Upper

98 100

100 63.9 51.5 77.3

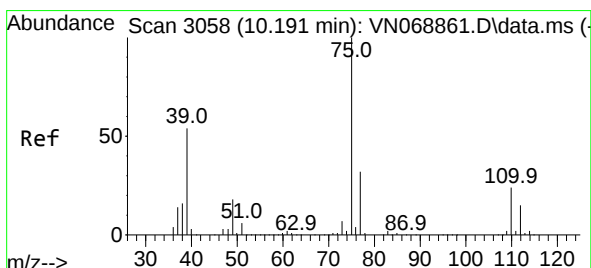
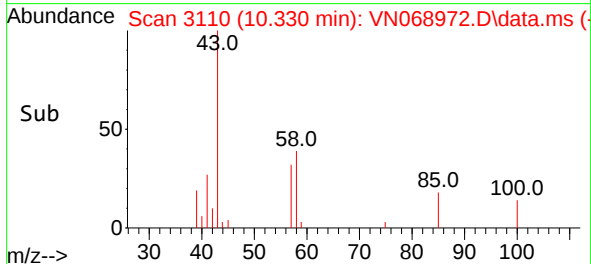
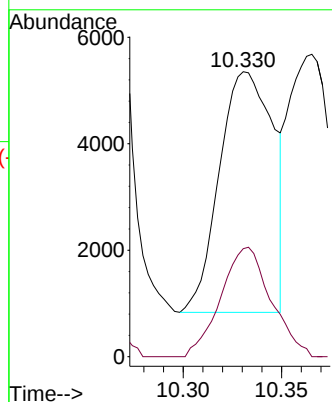
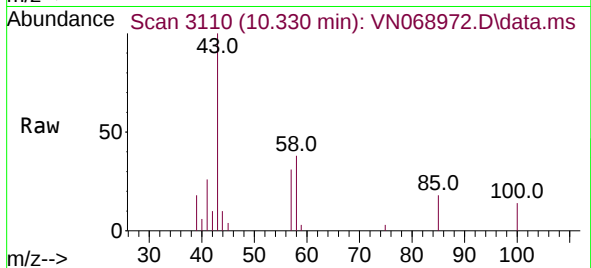




#51
4-Methyl-2-Pentanone
Concen: 1.538 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

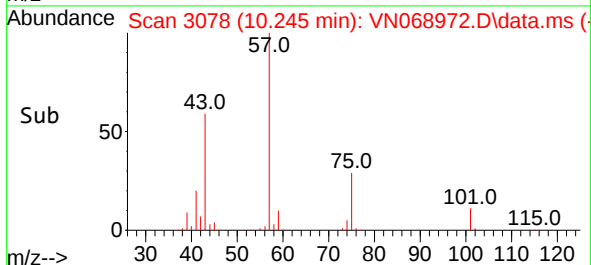
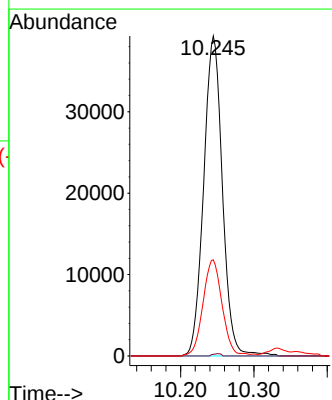
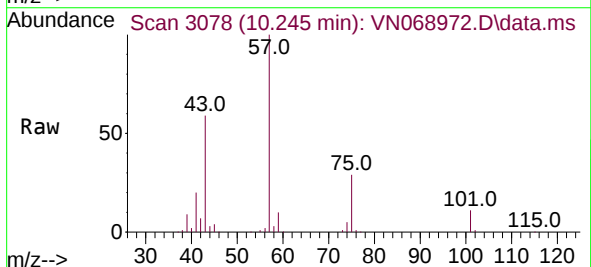
Instrument :
MSVOA_N
ClientSampled :

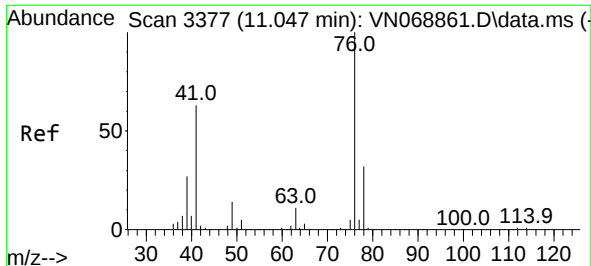
Tgt Ion: 43 Resp: 8585
Ion Ratio Lower Upper
43 100
58 42.4 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 10.023 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 75 Resp: 69756
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 30.1 42.9 64.3#

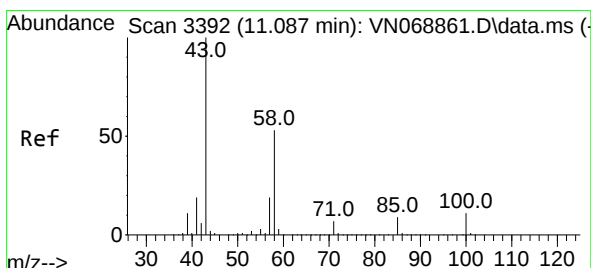
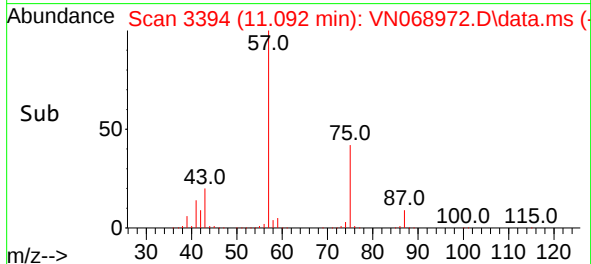
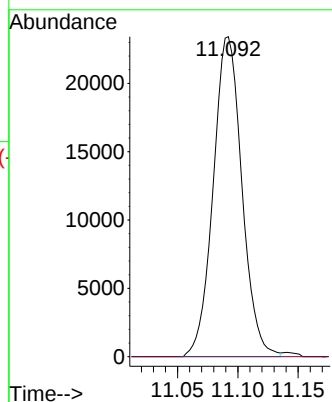
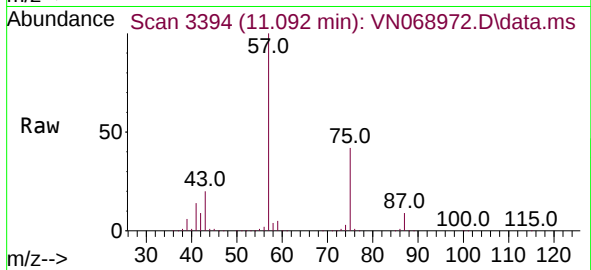




#57
1,3-Dichloropropane
Concen: 5.764 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

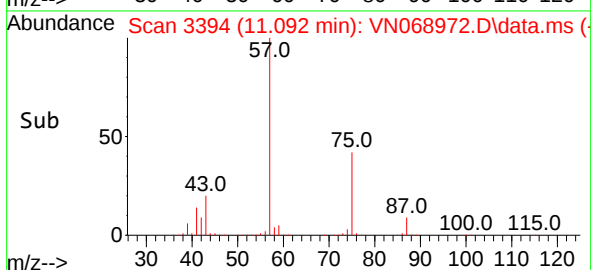
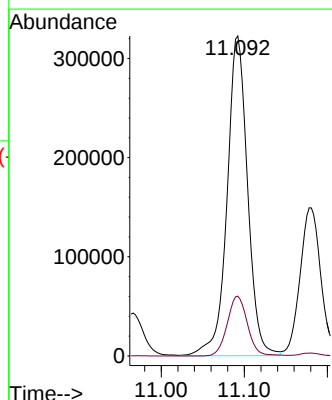
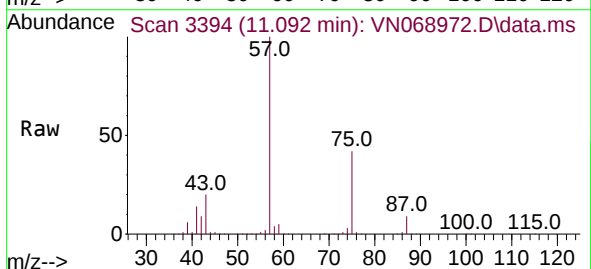
Instrument :
MSVOA_N
ClientSampled :

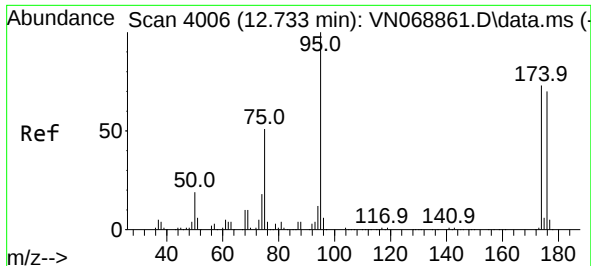
Tgt Ion: 76 Resp: 38786
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 138.309 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 43 Resp: 553685
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

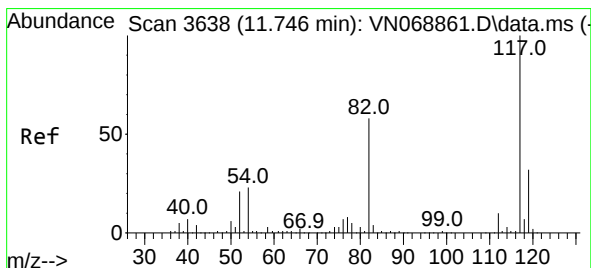
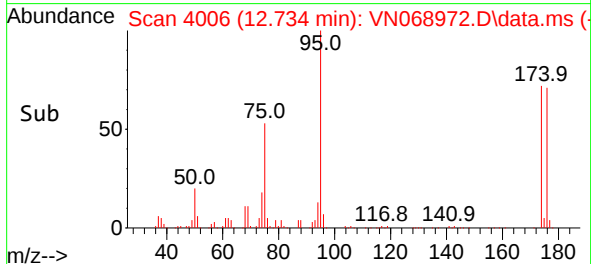
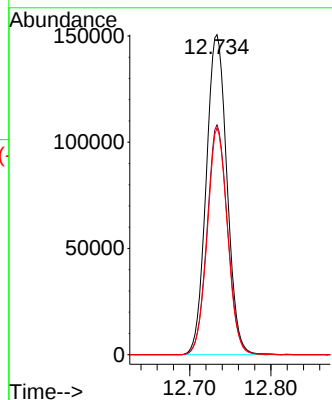
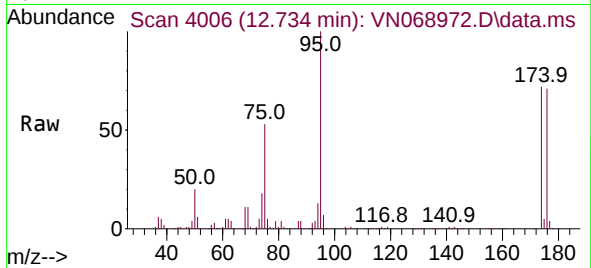




#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

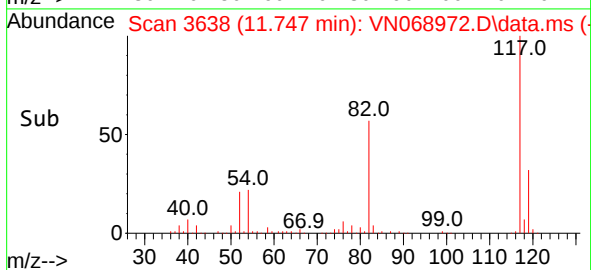
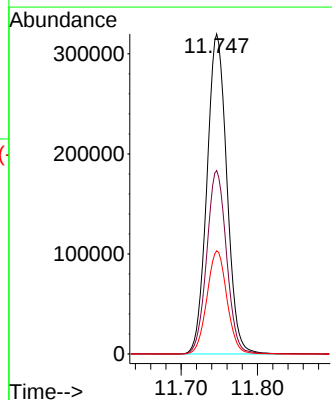
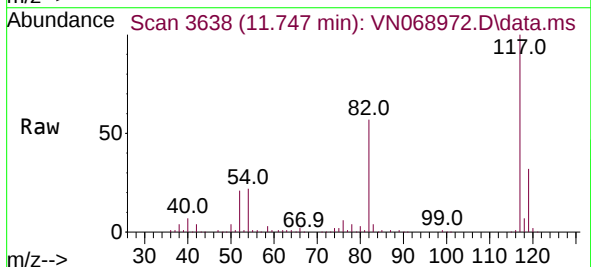
Instrument :
MSVOA_N
ClientSampled :

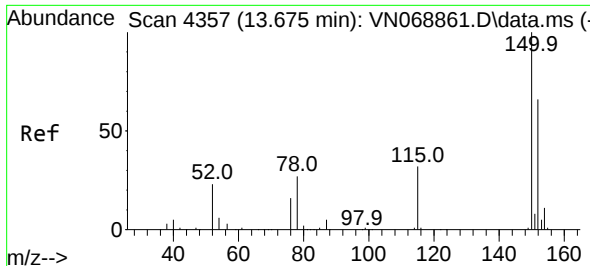
Tgt Ion: 95 Resp: 266965
Ion Ratio Lower Upper
95 100
174 70.9 0.0 144.8
176 68.8 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 117 Resp: 580142
Ion Ratio Lower Upper
117 100
82 57.3 46.4 69.6
119 32.2 26.0 39.0

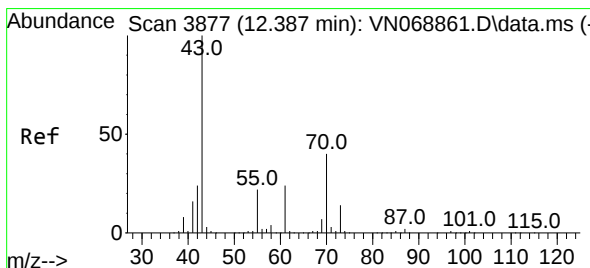
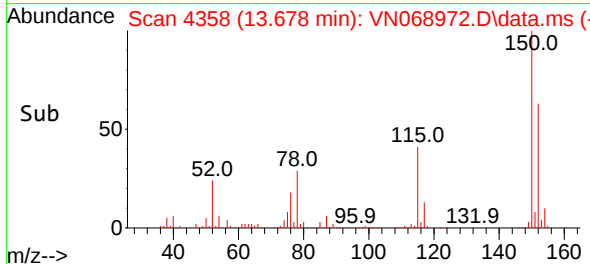
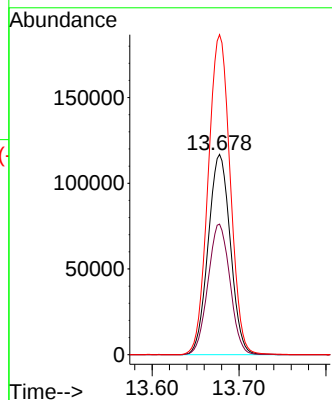
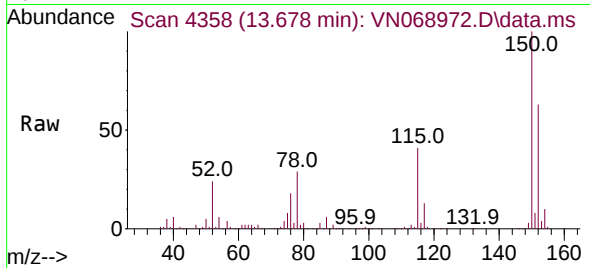




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

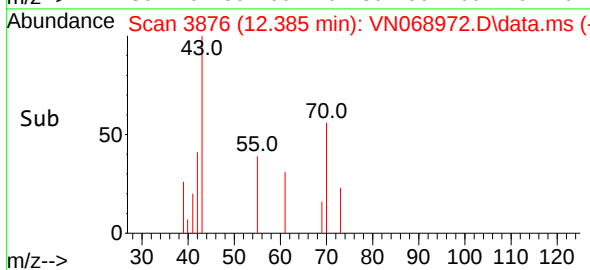
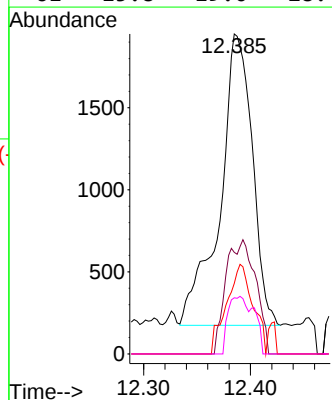
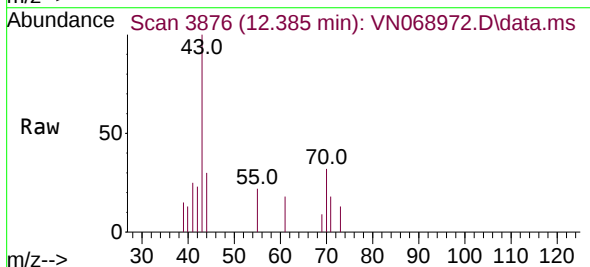
Instrument :
MSVOA_N
ClientSampled :

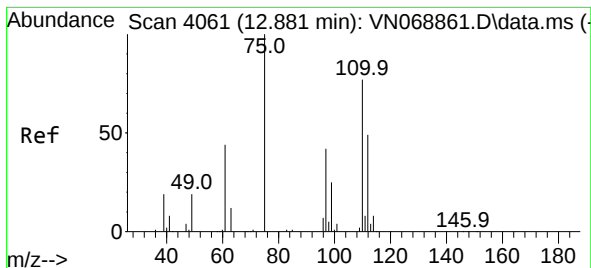
Tgt Ion:152 Resp: 207070
Ion Ratio Lower Upper
152 100
115 64.6 31.4 94.3
150 158.9 0.0 351.0



#74
N-ethyl acetate
Concen: 0.573 ug/l
RT: 12.385 min Scan# 3876
Delta R.T. -0.003 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
70 15.6 32.2 48.2#
55 25.1 18.0 27.0
61 15.8 19.0 28.4#





#76

1,2,3-Trichloropropane

Concen: 31.450 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.147 min

Lab File: VN068972.D

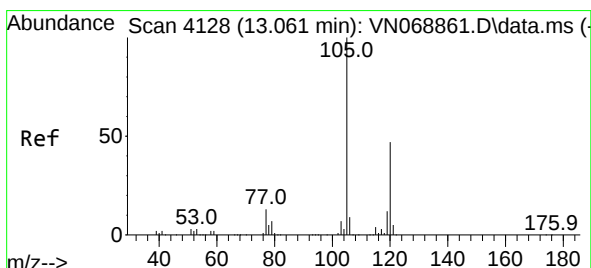
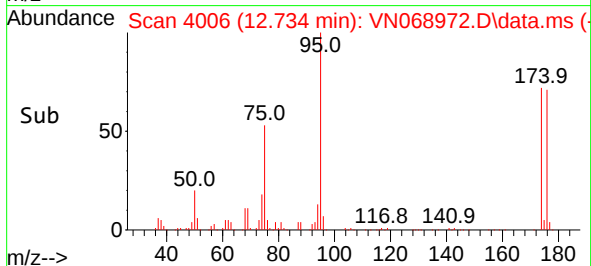
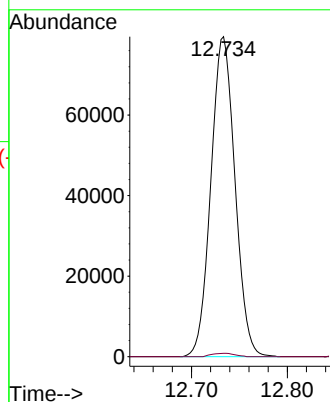
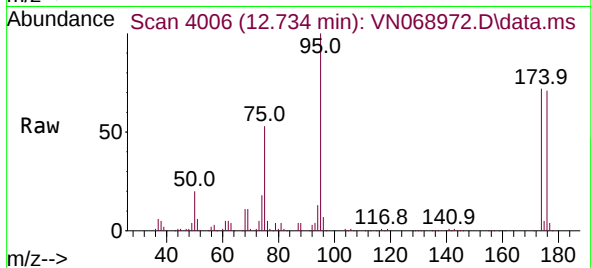
Acq: 18 Oct 2021 12:13

Tgt Ion: 75 Resp: 138566

Ion Ratio Lower Upper

75 100

77 1.0 96.2 288.4#



#80

1,3,5-Trimethylbenzene

Concen: 0.626 ug/l

RT: 13.061 min Scan# 4128

Delta R.T. 0.000 min

Lab File: VN068972.D

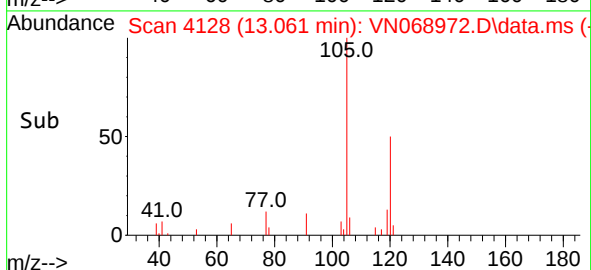
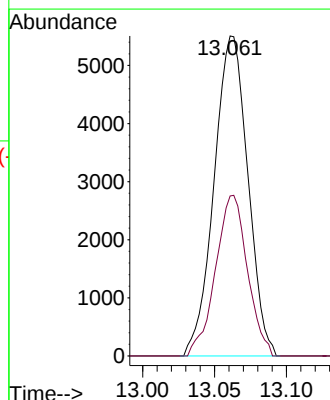
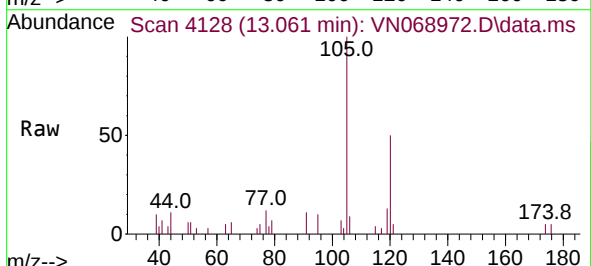
Acq: 18 Oct 2021 12:13

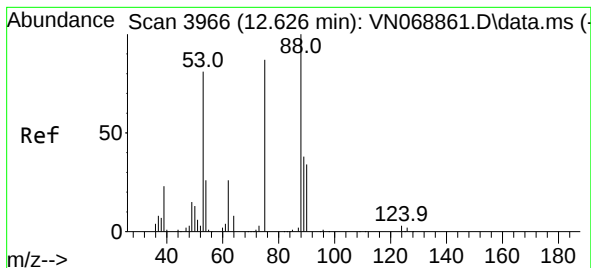
Tgt Ion: 105 Resp: 8993

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.2

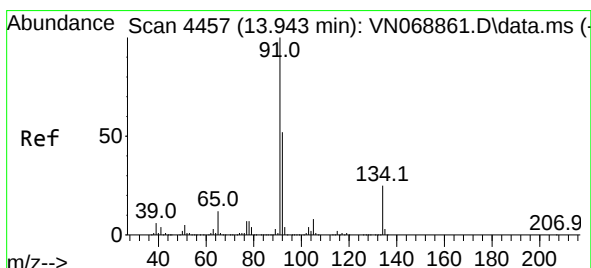
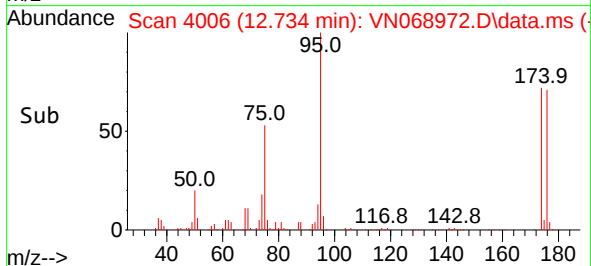
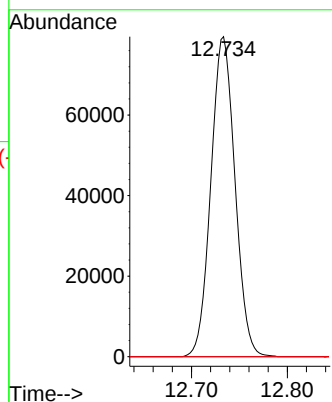
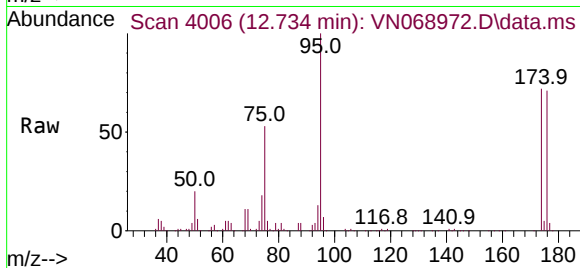




#81
trans-1,4-Dichloro-2-butene
Concen: 75.243 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

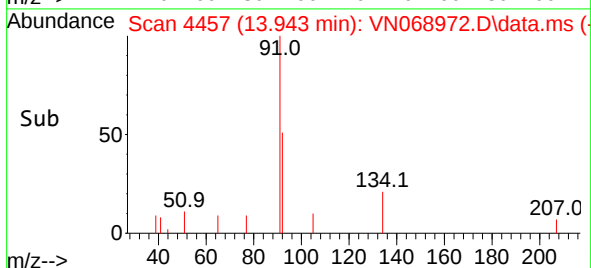
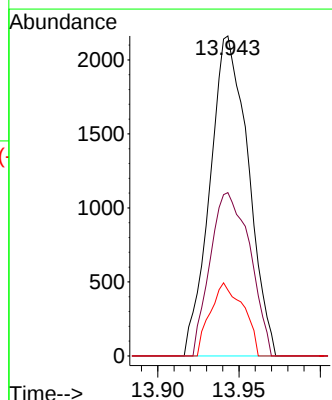
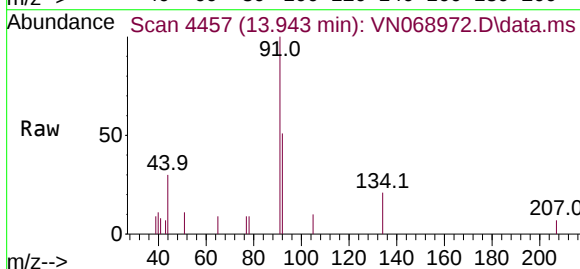
Instrument :
MSVOA_N
ClientSampled :

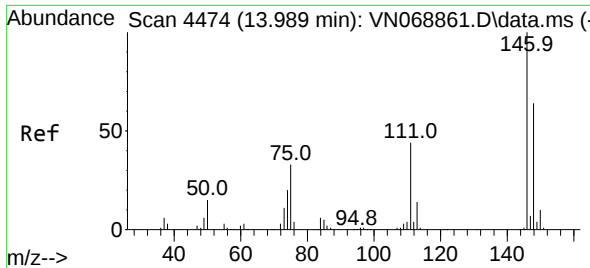
Tgt Ion: 75 Resp: 138566
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.306 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion: 91 Resp: 3537
Ion Ratio Lower Upper
91 100
92 53.1 26.0 78.0
134 19.7 12.5 37.5

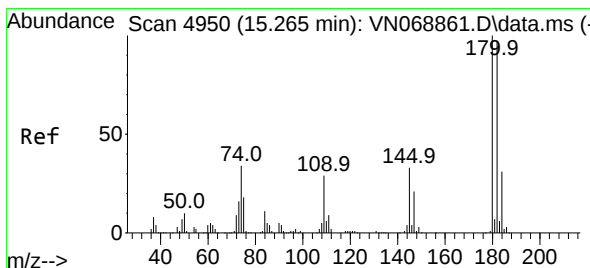
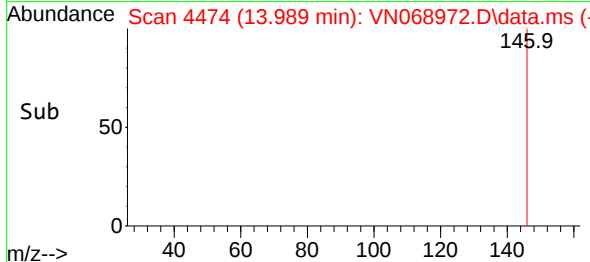
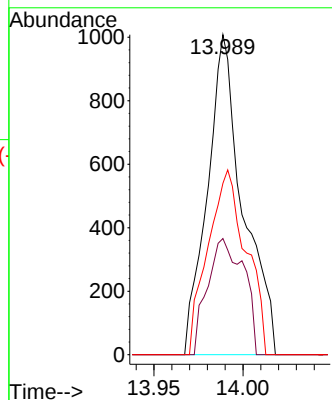
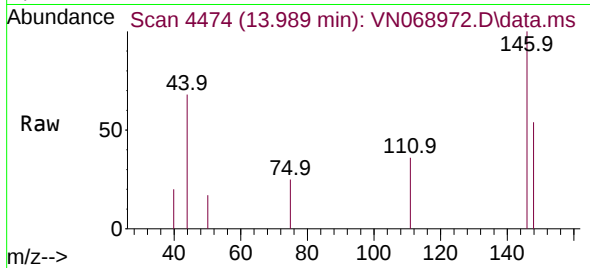




#91
1,2-Dichlorobenzene
Concen: 0.219 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

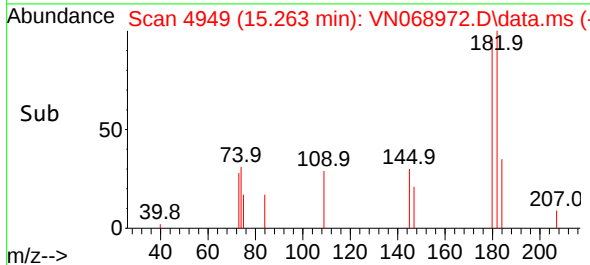
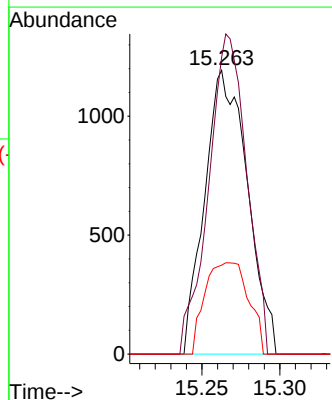
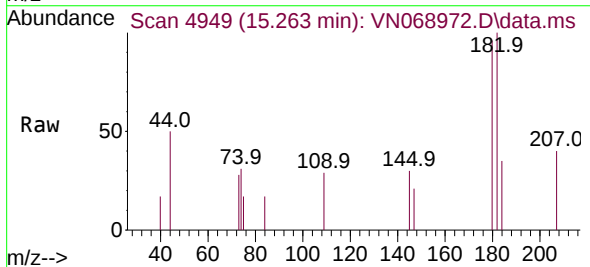
Instrument :
MSVOA_N
ClientSampled :

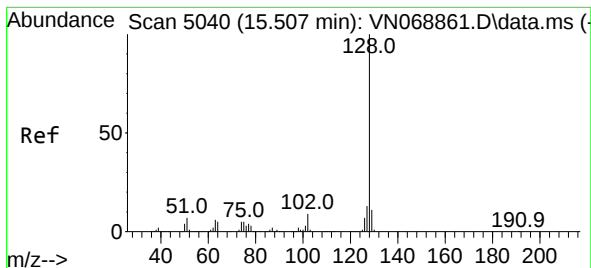
Tgt Ion:146 Resp: 1401
Ion Ratio Lower Upper
146 100
111 36.9 22.0 66.0
148 61.8 32.1 96.5



#93
1,2,4-Trichlorobenzene
Concen: 3.223 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion:180 Resp: 2281
Ion Ratio Lower Upper
180 100
182 100.4 47.9 143.7
145 32.7 16.4 49.2

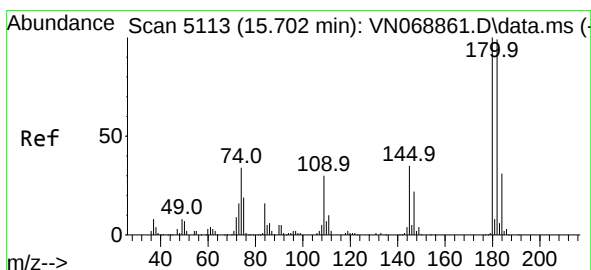
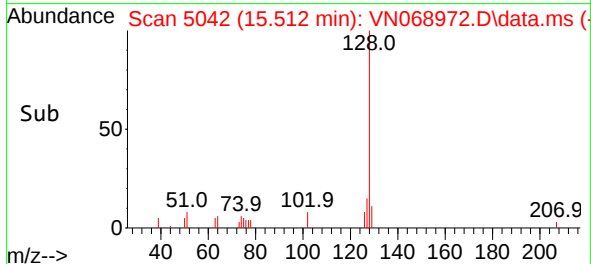
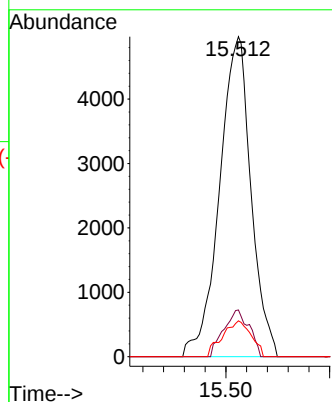
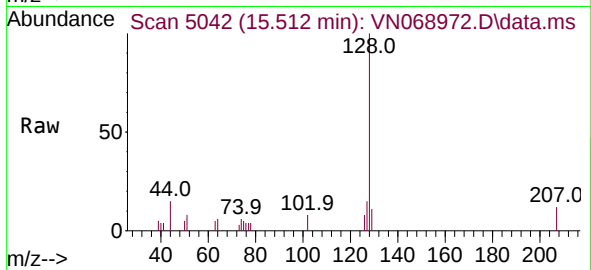




#95
Naphthalene
Concen: 4.815 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 10433
Ion Ratio Lower Upper
128 100
127 11.8 10.5 15.7
129 10.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 3.322 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN068972.D
Acq: 18 Oct 2021 12:13

Tgt Ion:180 Resp: 2816
Ion Ratio Lower Upper
180 100
182 92.8 48.1 144.3
145 14.3 17.4 52.2#

