

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
 Data File : VN068931.D
 Acq On : 14 Oct 2021 17:56
 Operator : JC/MD
 Sample : M4192-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 14 22:48:48 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)

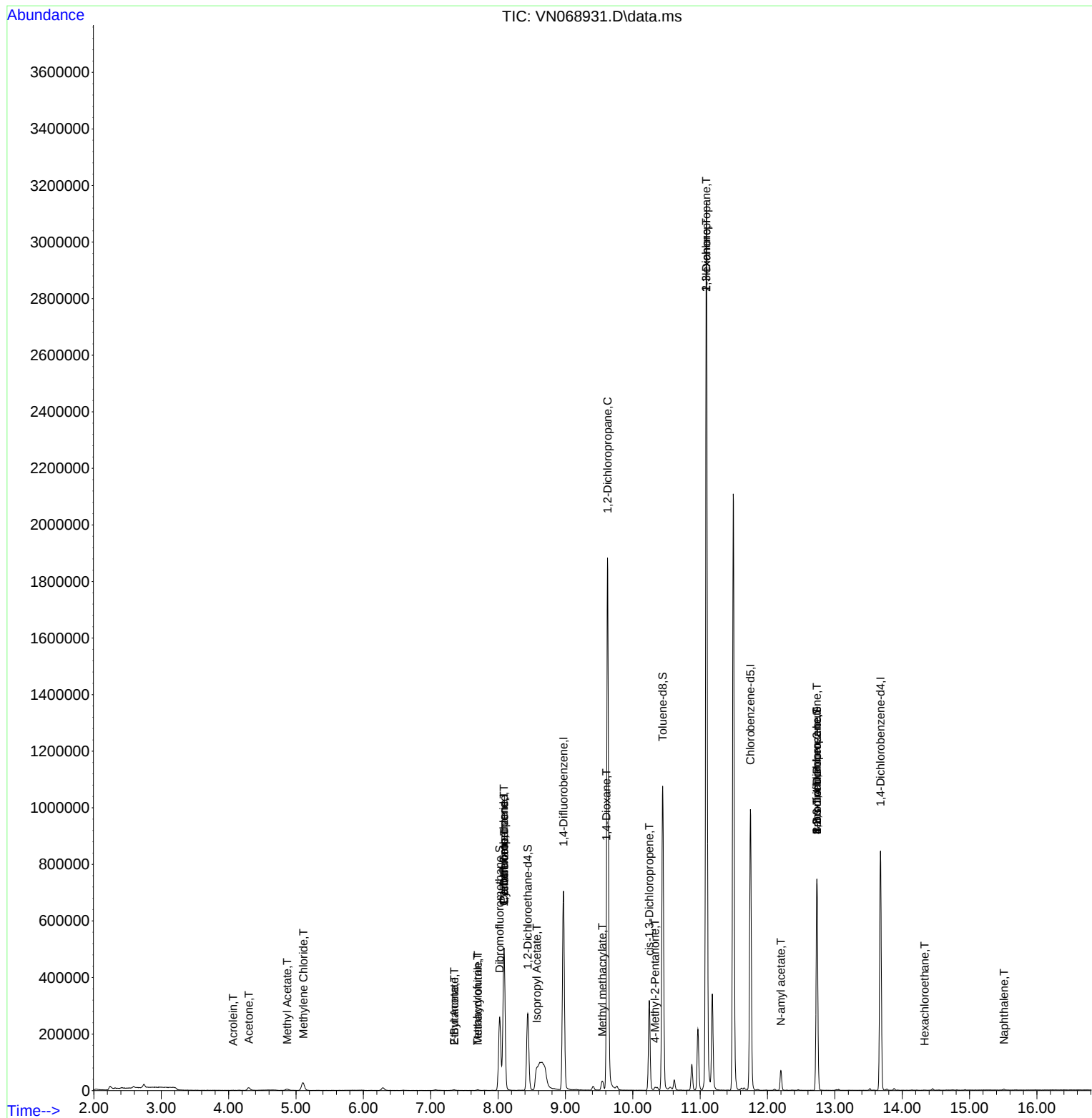
Internal Standards						
1) Pentafluorobenzene	8.088	168	394459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	640549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	585197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	233831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229731	44.172	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.340%
35) Dibromofluoromethane	8.024	113	190799	51.197	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.400%
50) Toluene-d8	10.443	98	773135	51.849	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.700%
62) 4-Bromofluorobenzene	12.733	95	266535	47.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.760%
Target Compounds						
					Qvalue	
13) Acrolein	4.065	56	347	0.825	ug/l #	57
16) Acetone	4.299	43	18950	9.764	ug/l	92
18) Methyl Acetate	4.870	43	11674	1.586	ug/l #	73
20) Methylene Chloride	5.109	84	23390	5.236	ug/l	92
25) 2-Butanone	7.351	43	4459	1.519	ug/l	98
29) Tetrahydrofuran	7.694	42	1887	0.991	ug/l #	74
31) Cyclohexane	8.091	56	8426	1.042	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	29780	5.443	ug/l #	49
37) Ethyl Acetate	7.351	43	4459	0.789	ug/l #	68
38) Carbon Tetrachloride	8.088	117	39640	6.597	ug/l #	16
41) Methacrylonitrile	7.699	41	1330	0.467	ug/l #	36
43) Isopropyl Acetate	8.574	43	80376	8.062	ug/l #	75
45) 1,2-Dichloropropane	9.625	63	2435	0.563	ug/l #	43
48) Methyl methacrylate	9.547	41	8376	1.788	ug/l #	13
49) 1,4-Dioxane	9.609	88	25	35.898	ug/l #	23
51) 4-Methyl-2-Pentanone	10.330	43	7662	1.325	ug/l	96
54) cis-1,3-Dichloropropene	10.245	75	61608	8.548	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	34483	4.948	ug/l #	42
59) 2-Hexanone	11.092	43	490451	118.300	ug/l #	50
71) Bromoform	12.733	173	1273	0.367	ug/l #	1
74) N-amyl acetate	12.197	43	22942	3.111	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	137058	27.548	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	137058	65.907	ug/l #	12
90) Hexachloroethane	14.335	117	765	0.232	ug/l #	12
95) Naphthalene	15.509	128	4074	4.158	ug/l #	88

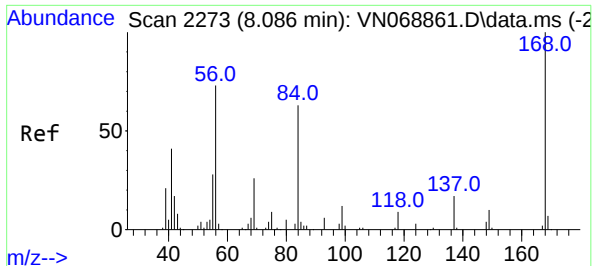
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101421\
Data File : VN068931.D
Acq On : 14 Oct 2021 17:56
Operator : JC/MD
Sample : M4192-20
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 14 22:48:48 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

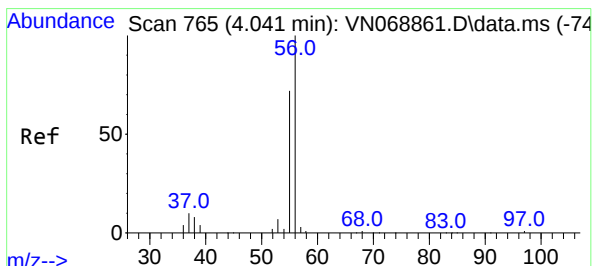
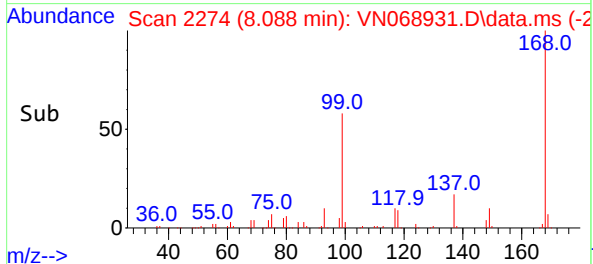
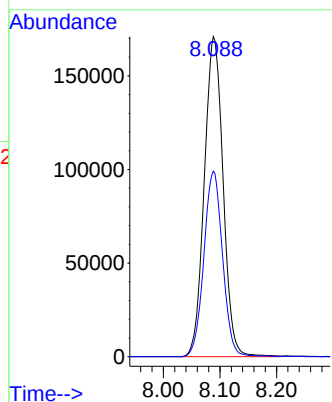
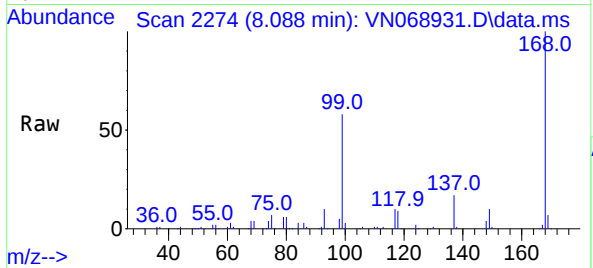




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

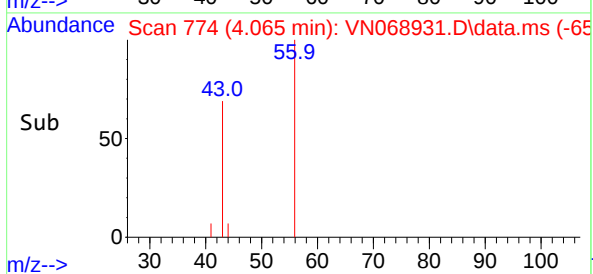
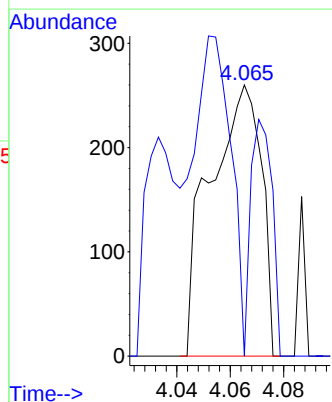
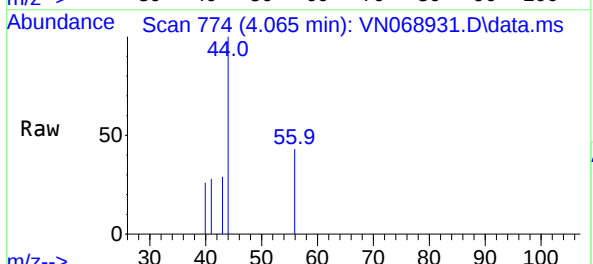
Instrument :
MSVOA_N
ClientSampled :

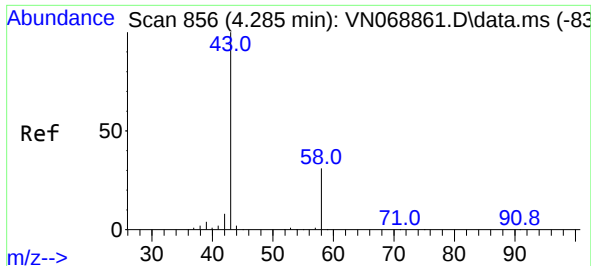
Tgt Ion:168 Resp: 394459
Ion Ratio Lower Upper
168 100
99 58.0 48.9 73.3



#13
Acrolein
Concen: 0.825 ug/l
RT: 4.065 min Scan# 774
Delta R.T. 0.024 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 36.3 58.1 87.1#

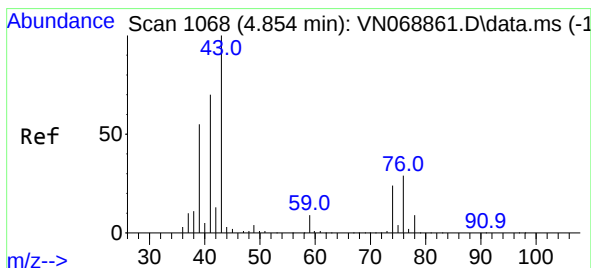
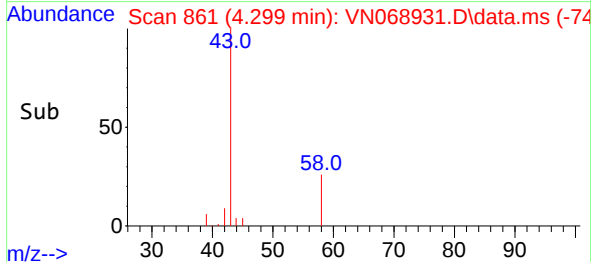
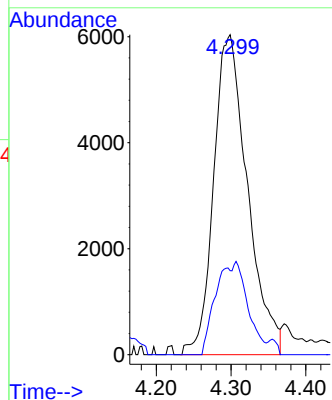
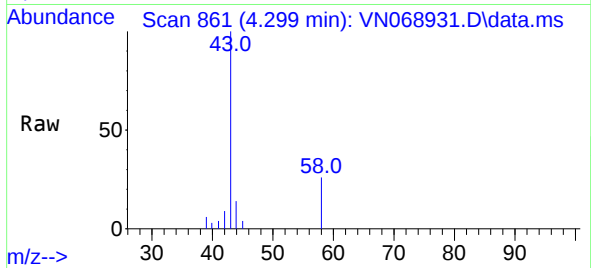




#16
Acetone
Concen: 9.764 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

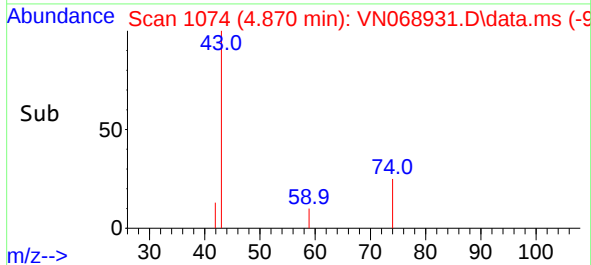
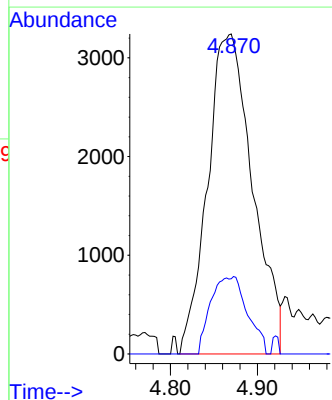
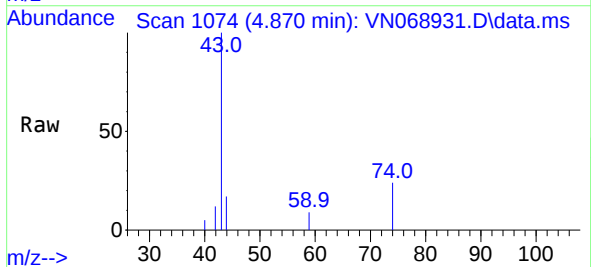
Instrument :
MSVOA_N
ClientSampled :

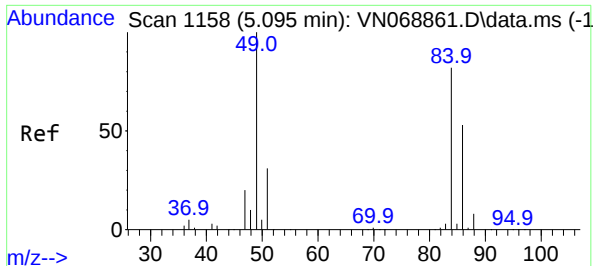
Tgt Ion: 43 Resp: 18950
Ion Ratio Lower Upper
43 100
58 26.3 24.5 36.7



#18
Methyl Acetate
Concen: 1.586 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 43 Resp: 11674
Ion Ratio Lower Upper
43 100
74 10.2 18.9 28.3#



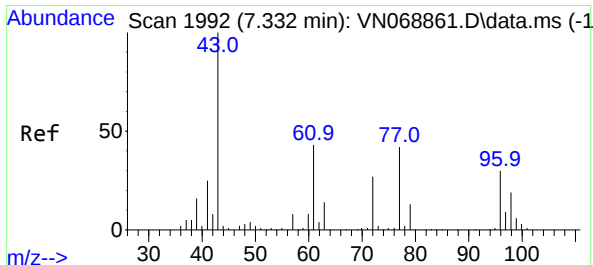
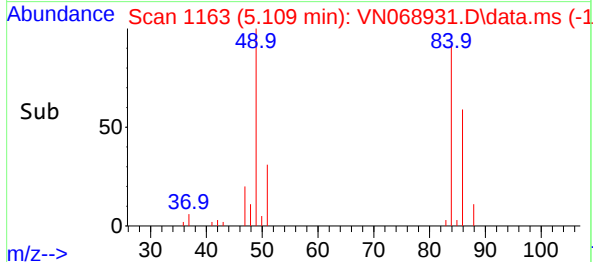
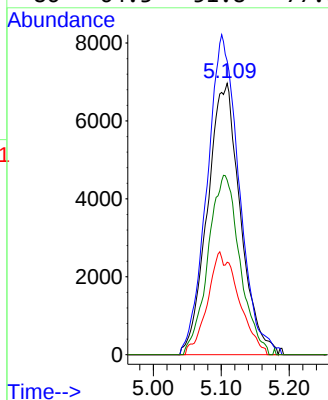
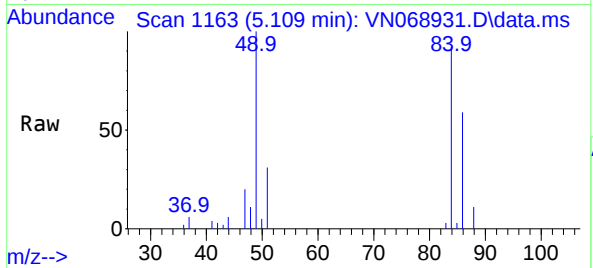


#20
Methylene Chloride
Concen: 5.236 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.013 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 23390

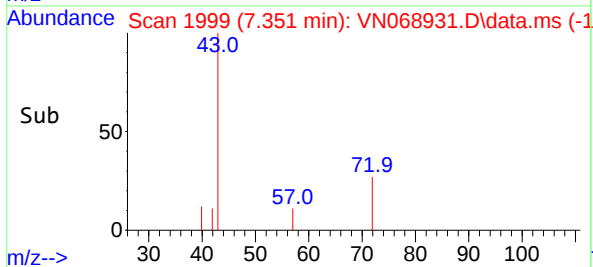
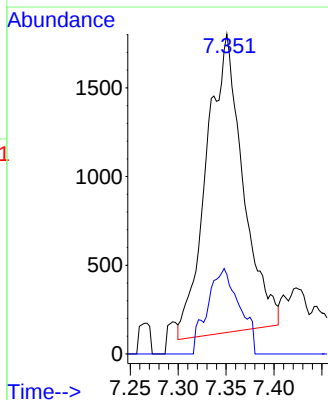
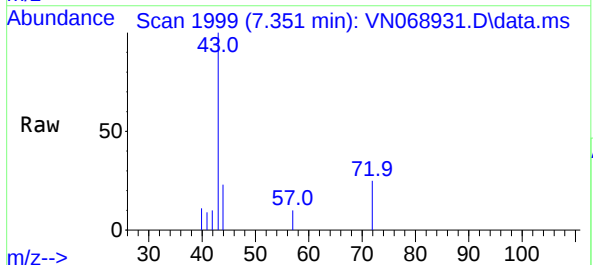
Ion	Ratio	Lower	Upper
84	100		
49	108.2	97.6	146.4
51	34.1	30.3	45.5
86	64.3	51.8	77.6

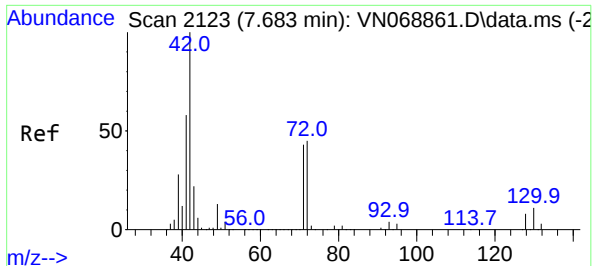


#25
2-Butanone
Concen: 1.519 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 43 Resp: 4459

Ion	Ratio	Lower	Upper
43	100		
72	27.3	21.2	31.8

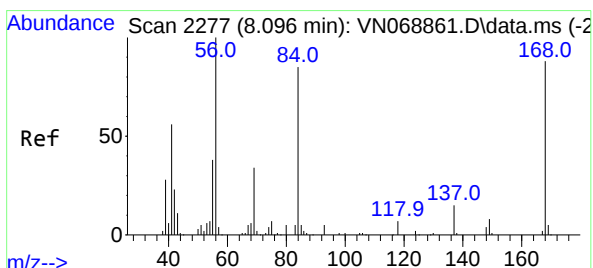
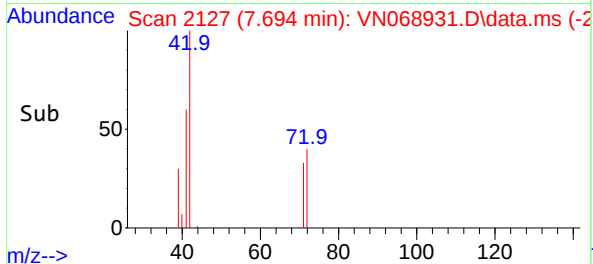
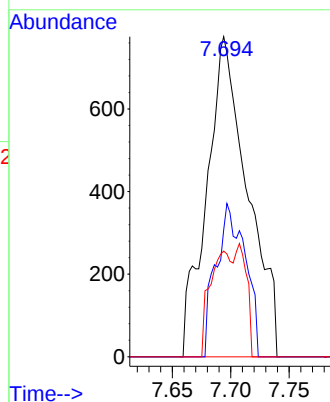
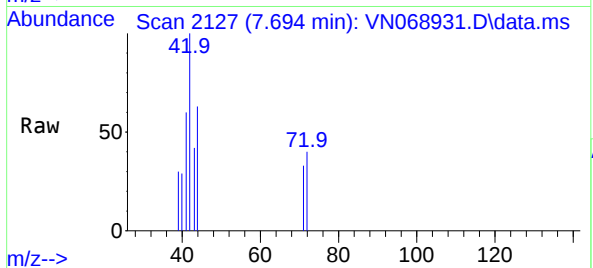




#29
Tetrahydrofuran
Concen: 0.991 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

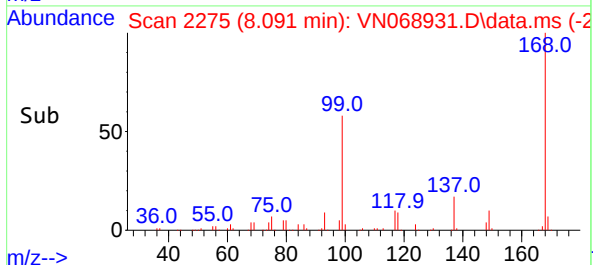
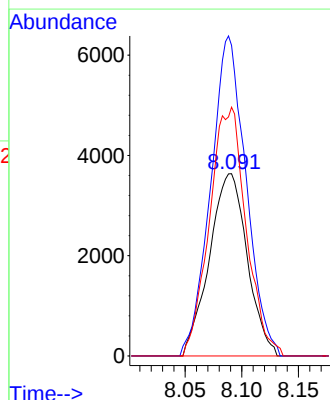
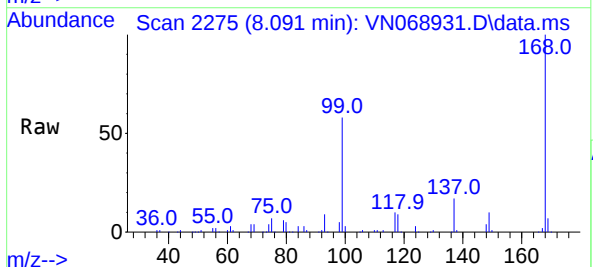
Instrument :
MSVOA_N
ClientSampled :

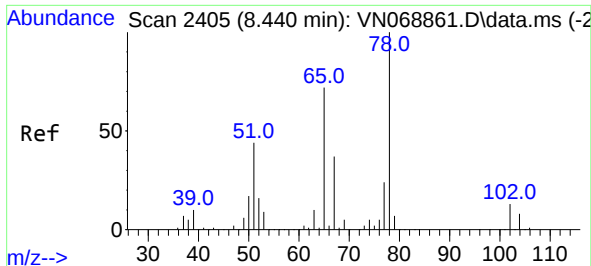
Tgt Ion:	42	Resp:	1887
Ion	Ratio	Lower	Upper
42	100		
72	34.2	35.4	53.2#
71	18.4	33.8	50.6#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion:	56	Resp:	8426
Ion	Ratio	Lower	Upper
56	100		
69	170.5	26.9	40.3#
84	136.6	67.6	101.4#

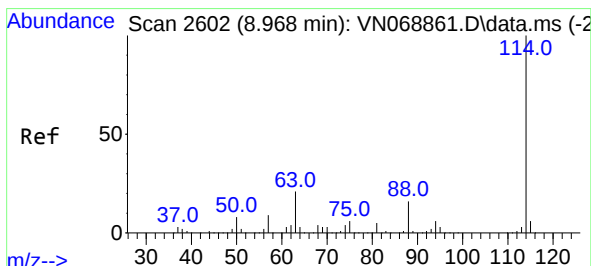
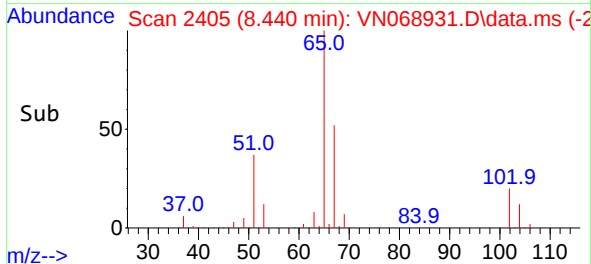
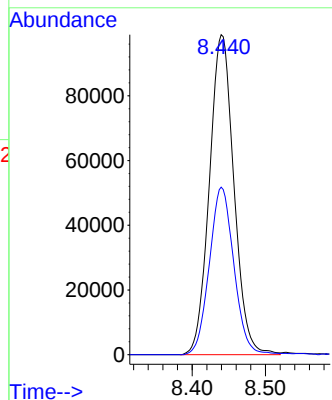
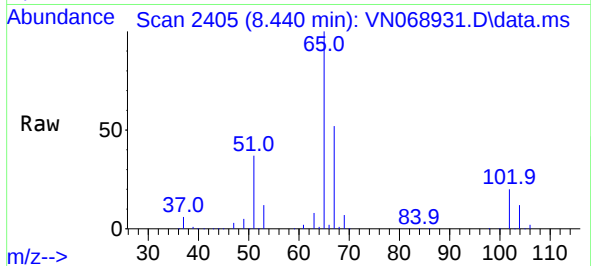




#33
1,2-Dichloroethane-d4
Concen: 44.172 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

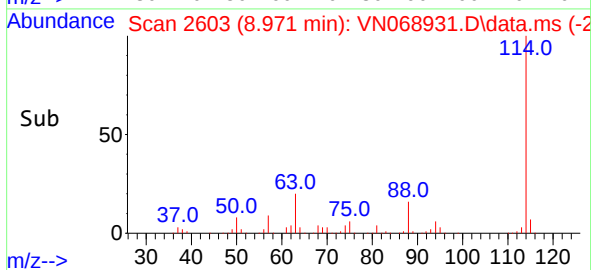
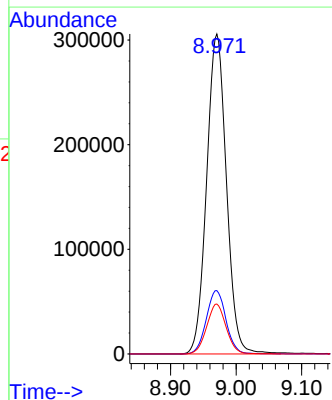
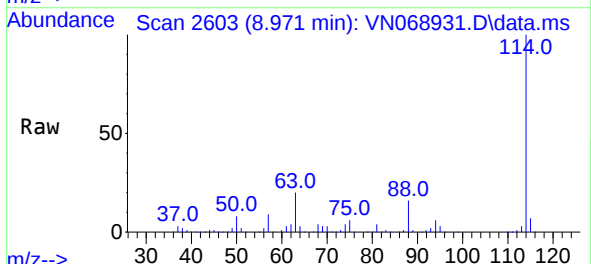
Instrument :
MSVOA_N
ClientSampled :

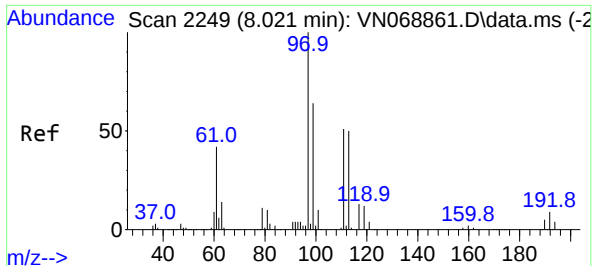
Tgt Ion: 65 Resp: 229731
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 114 Resp: 640549
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.6
88 15.6 0.0 32.0

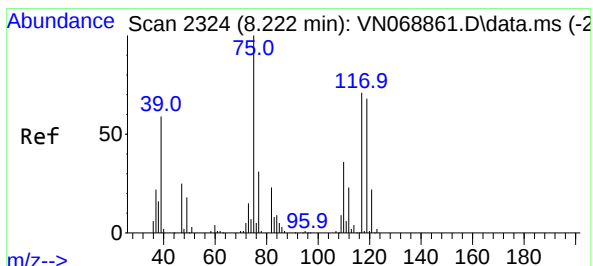
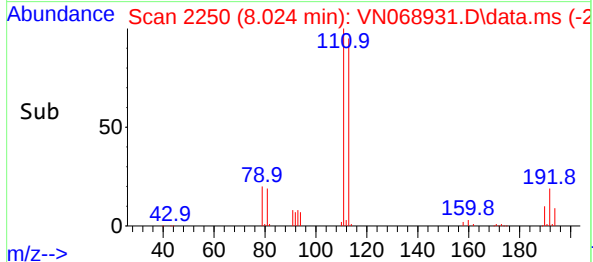
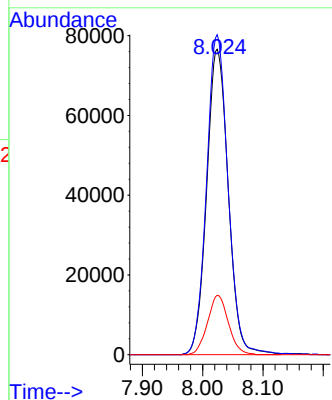
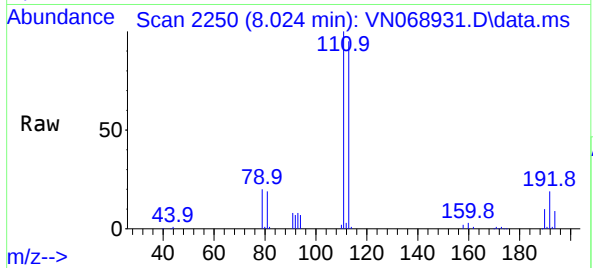




#35
Dibromofluoromethane
Concen: 51.197 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

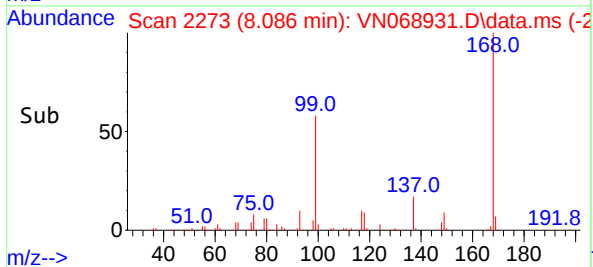
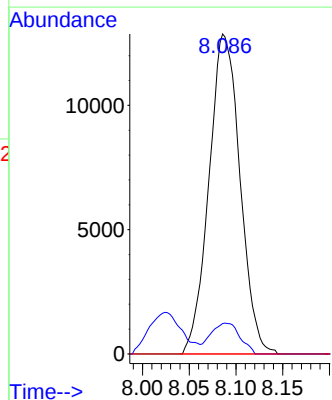
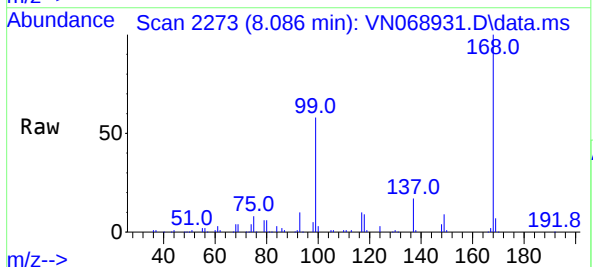
Instrument :
MSVOA_N
ClientSampled :

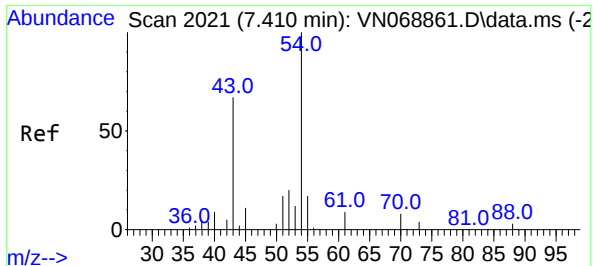
Tgt Ion:113 Resp: 190799
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 18.8 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.443 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 75 Resp: 29780
Ion Ratio Lower Upper
75 100
110 9.1 17.9 53.8#
77 0.0 24.7 37.1#

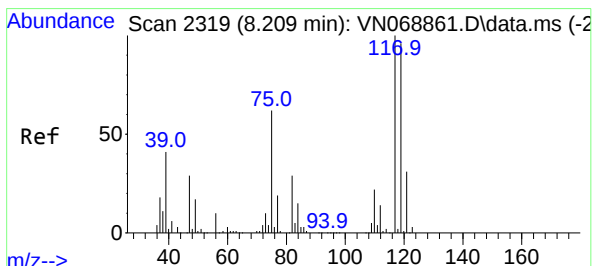
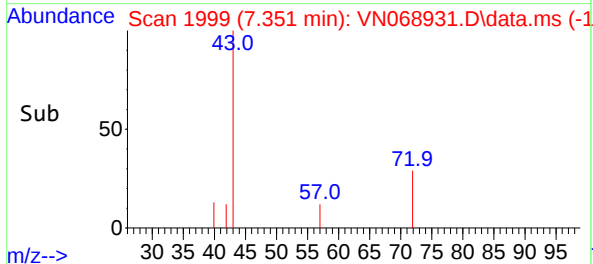
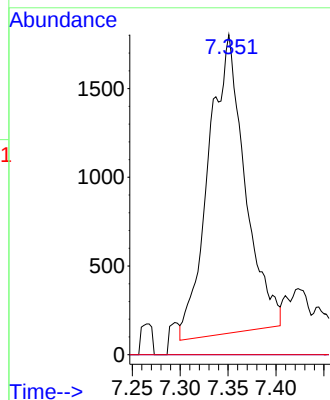
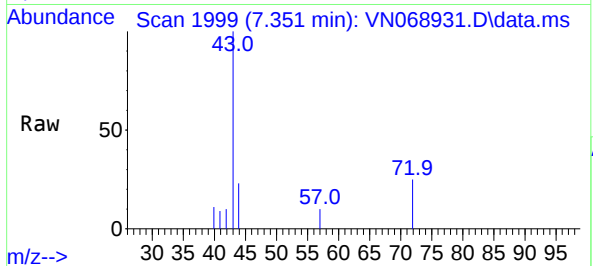




#37
Ethyl Acetate
Concen: 0.789 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.059 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

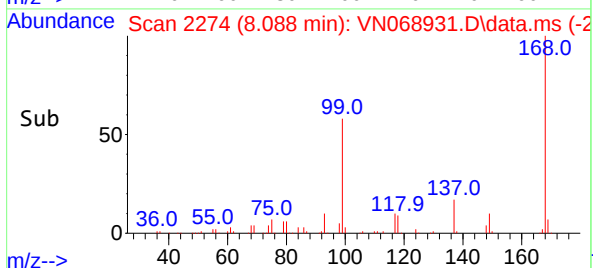
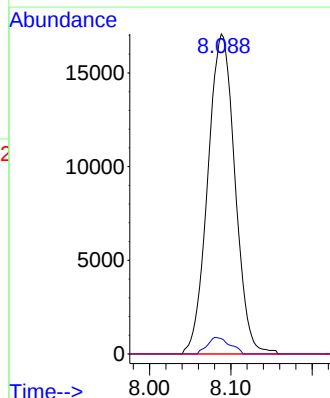
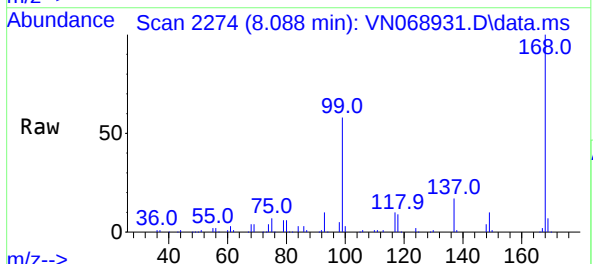
Instrument :
MSVOA_N
ClientSampleId :

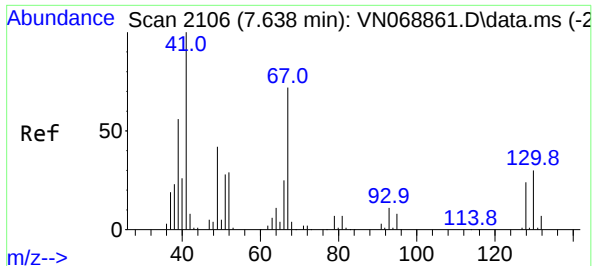
Tgt Ion:	43	Resp:	4459
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	8.4	12.6#



#38
Carbon Tetrachloride
Concen: 6.597 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion:	117	Resp:	39640
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.9	115.3#
121	0.0	24.6	37.0#



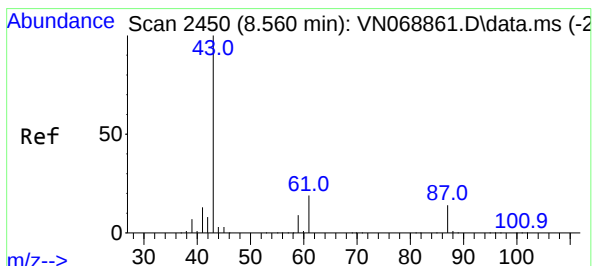
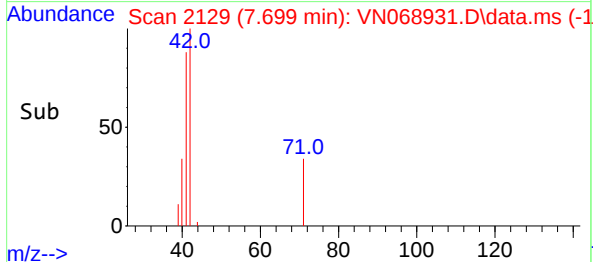
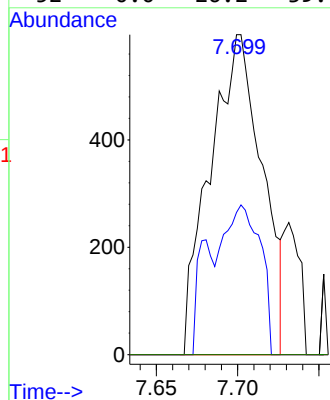
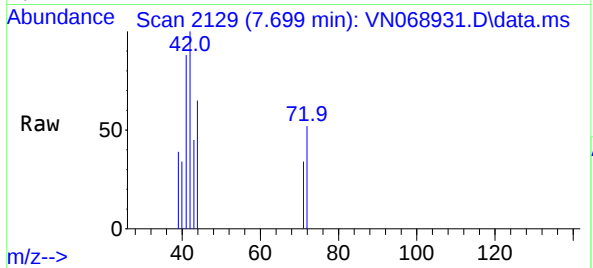


#41
Methacrylonitrile
Concen: 0.467 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.062 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 41 Resp: 1330

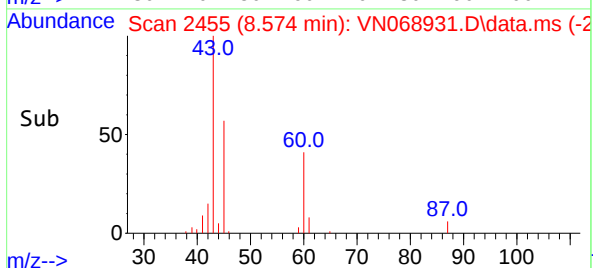
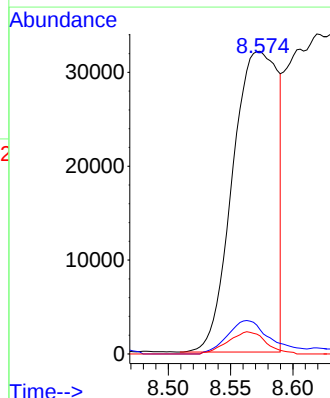
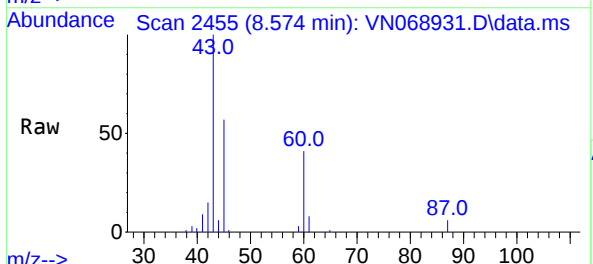
Ion	Ratio	Lower	Upper
41	100		
39	33.4	44.9	67.3#
67	0.0	62.6	93.8#
52	0.0	26.2	39.4#

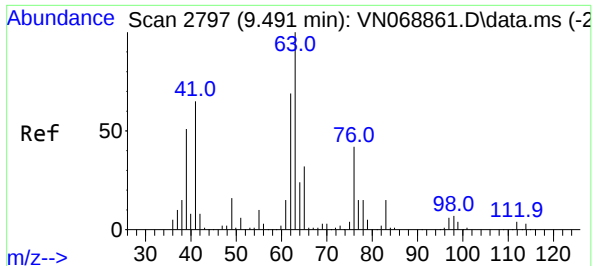


#43
Isopropyl Acetate
Concen: 8.062 ug/l
RT: 8.574 min Scan# 2455
Delta R.T. 0.013 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 43 Resp: 80376

Ion	Ratio	Lower	Upper
43	100		
61	10.7	20.4	30.6#
87	6.3	10.7	16.1#

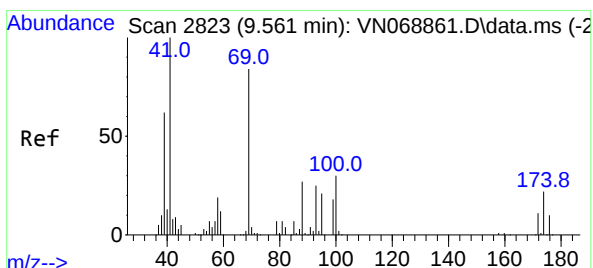
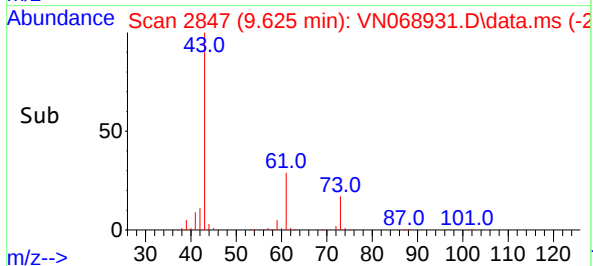
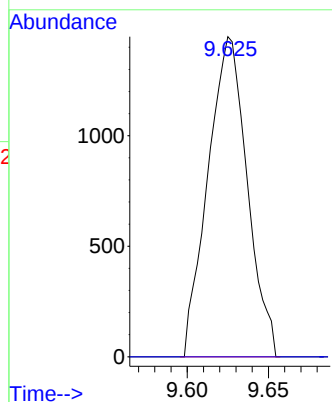
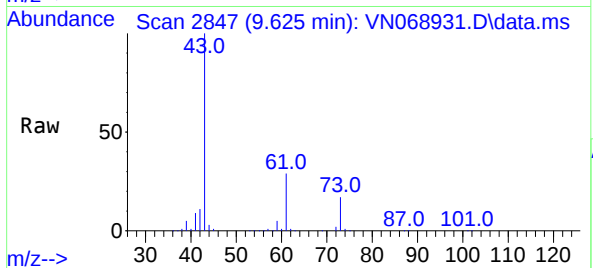




#45
1,2-Dichloropropane
Concen: 0.563 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

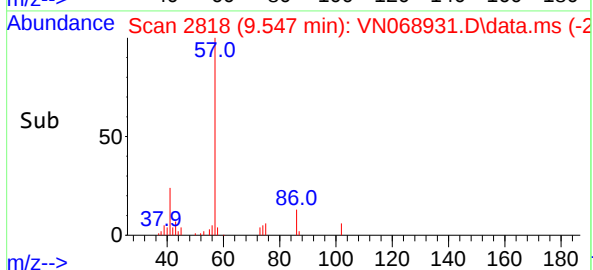
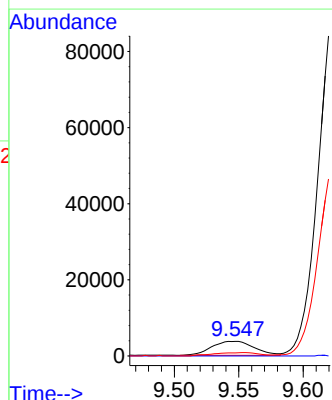
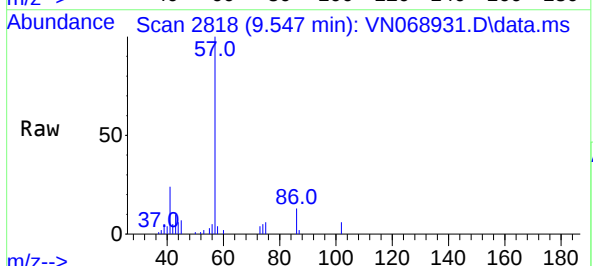
Instrument :
MSVOA_N
ClientSampled :

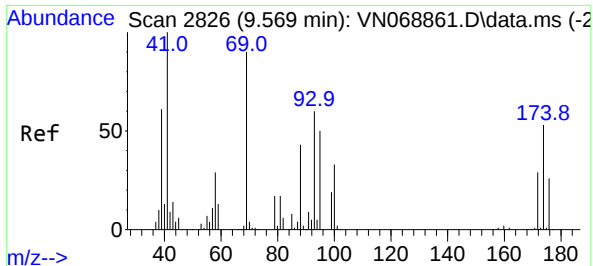
Tgt Ion: 63 Resp: 2435
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.788 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

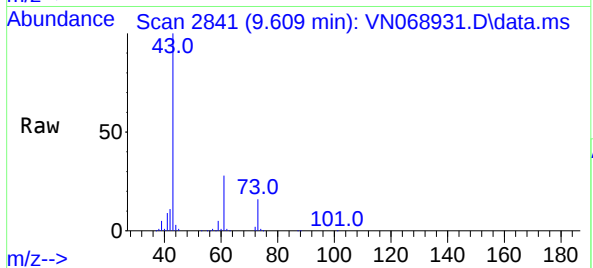
Tgt Ion: 41 Resp: 8376
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



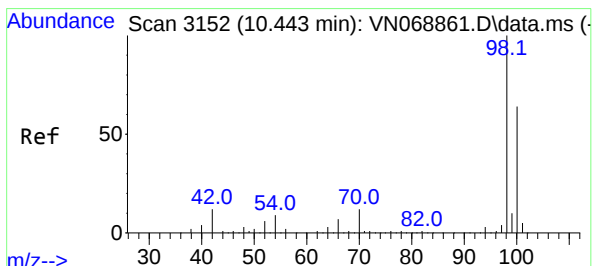
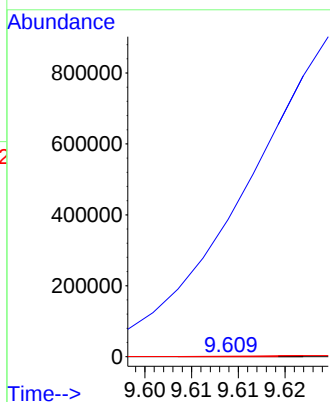
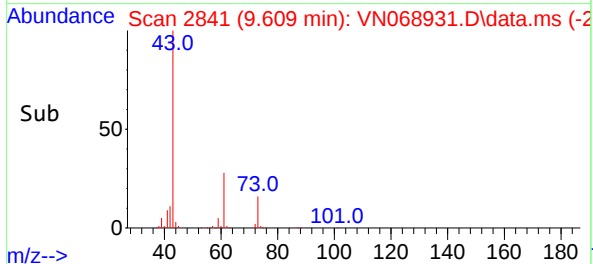


#49
1,4-Dioxane
Concen: 35.898 ug/l
RT: 9.609 min Scan# 2841
Delta R.T. 0.040 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

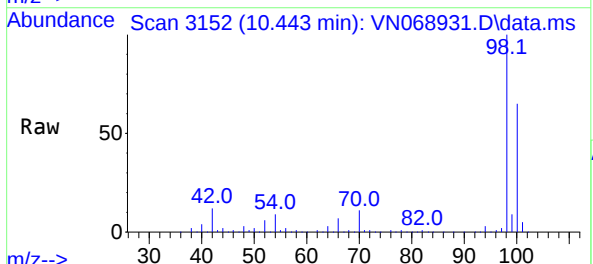
Instrument :
MSVOA_N
ClientSampled :



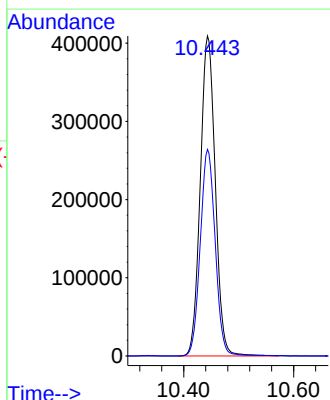
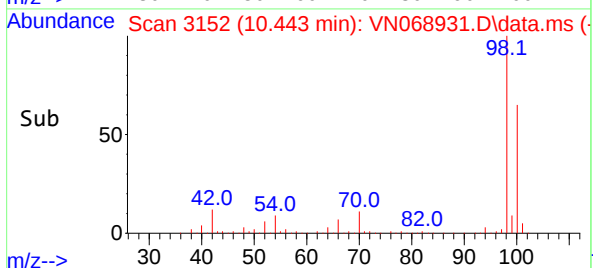
Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 0.0 56.9 85.3#

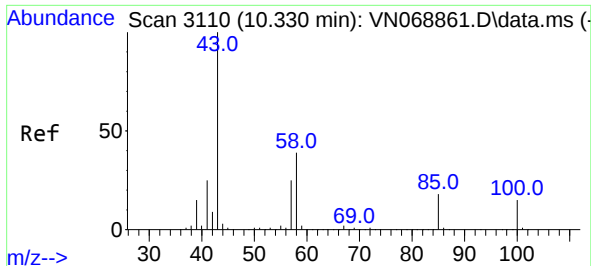


#50
Toluene-d8
Concen: 51.849 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56



Tgt Ion: 98 Resp: 773135
Ion Ratio Lower Upper
98 100
100 64.4 51.5 77.3

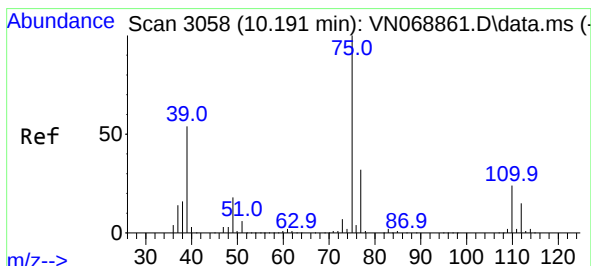
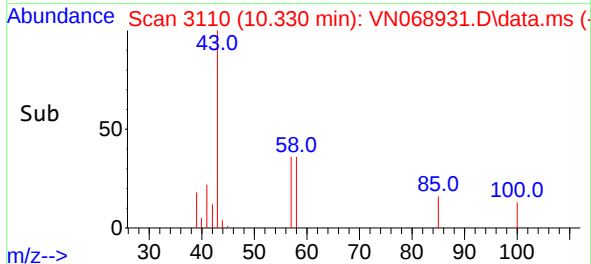
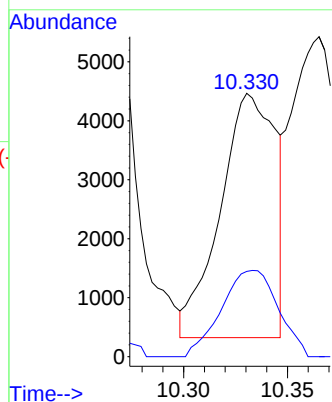
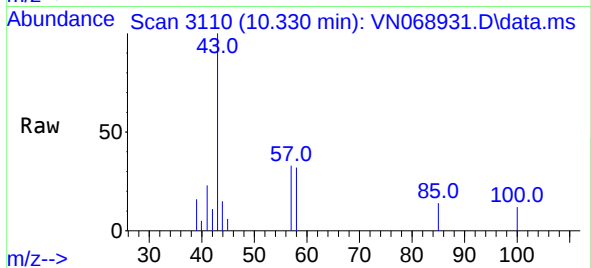




#51
4-Methyl-2-Pentanone
Concen: 1.325 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

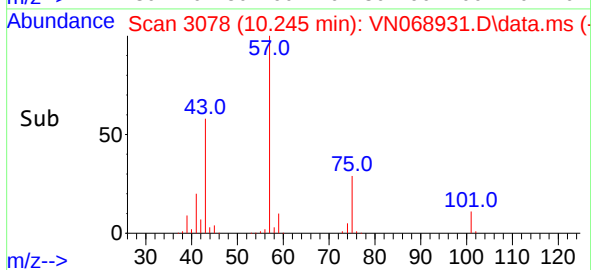
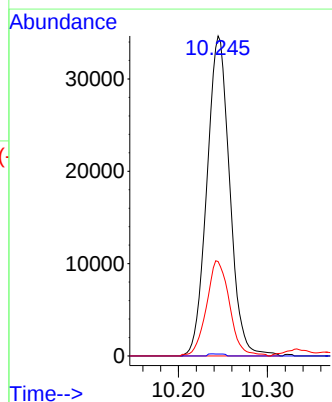
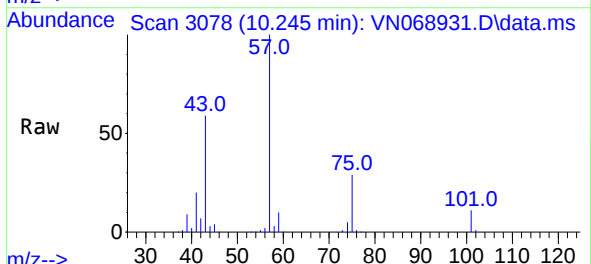
Instrument :
MSVOA_N
ClientSampleId :

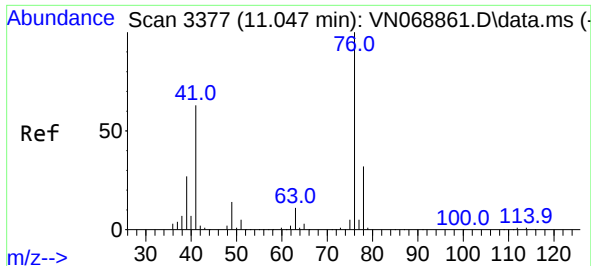
Tgt Ion: 43 Resp: 7662
Ion Ratio Lower Upper
43 100
58 36.3 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.548 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 75 Resp: 61608
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 29.5 42.9 64.3#

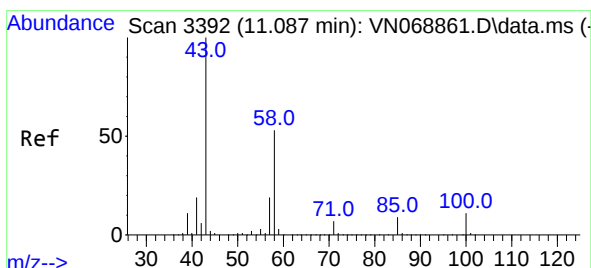
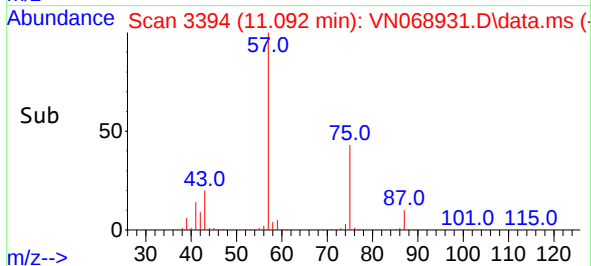
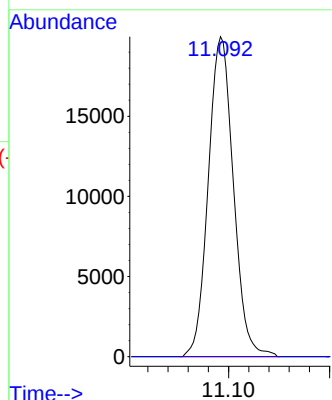
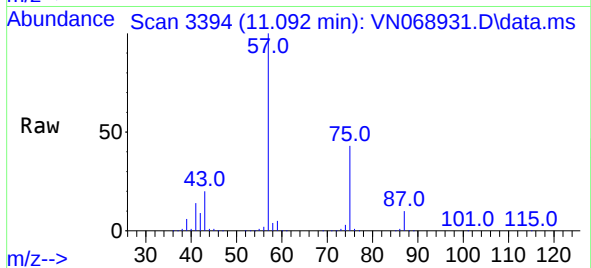




#57
1,3-Dichloropropane
Concen: 4.948 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

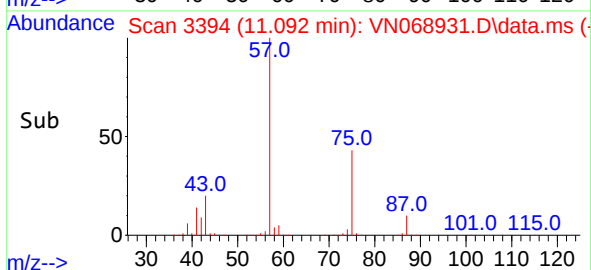
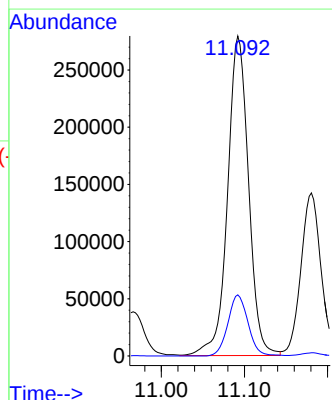
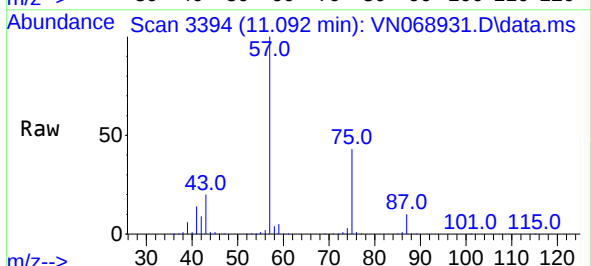
Instrument :
MSVOA_N
ClientSampled :

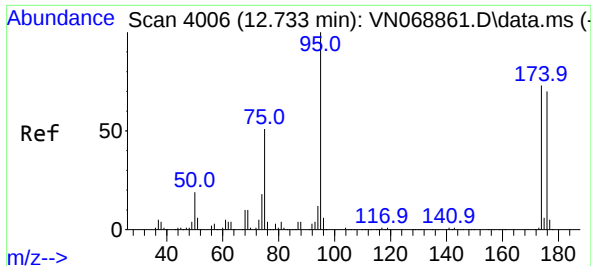
Tgt Ion: 76 Resp: 34483
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 118.300 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 43 Resp: 490451
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#

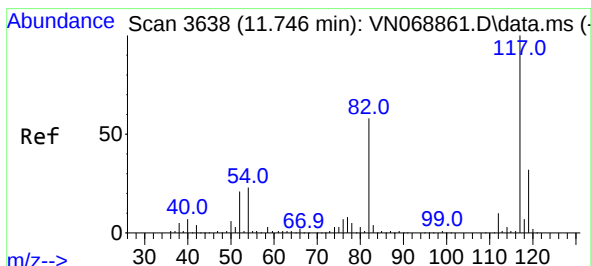
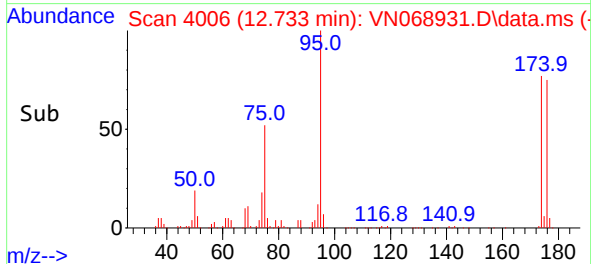
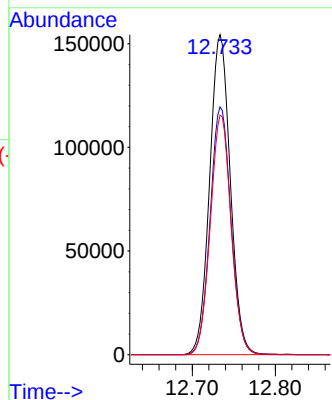
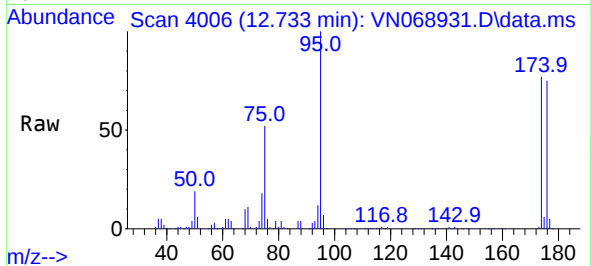




#62
4-Bromofluorobenzene
Concen: 47.376 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

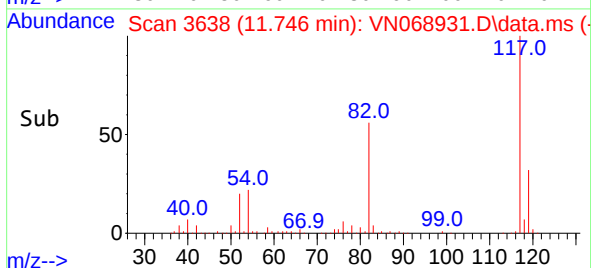
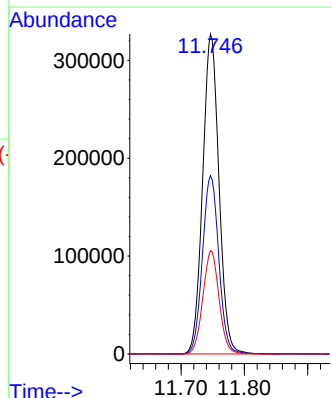
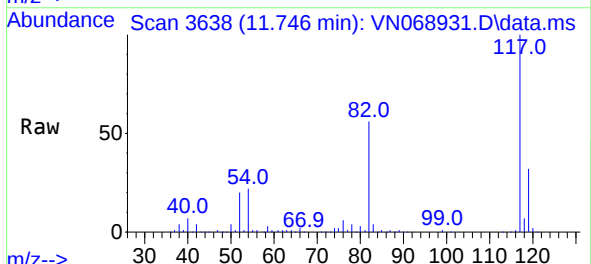
Instrument :
MSVOA_N
ClientSampleId :

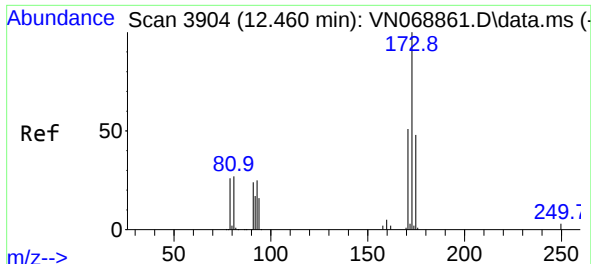
Tgt Ion: 95 Resp: 266535
Ion Ratio Lower Upper
95 100
174 78.2 0.0 144.8
176 75.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion: 117 Resp: 585197
Ion Ratio Lower Upper
117 100
82 55.7 46.4 69.6
119 32.3 26.0 39.0

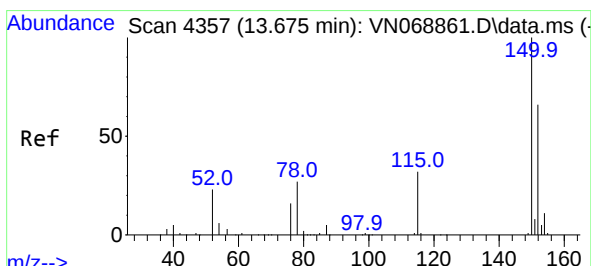
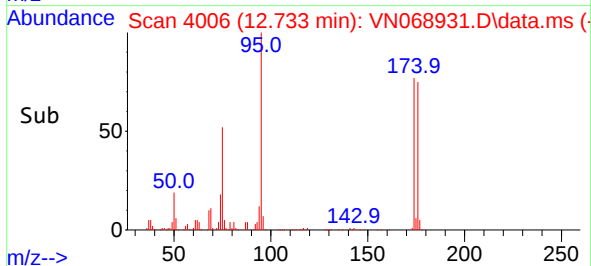
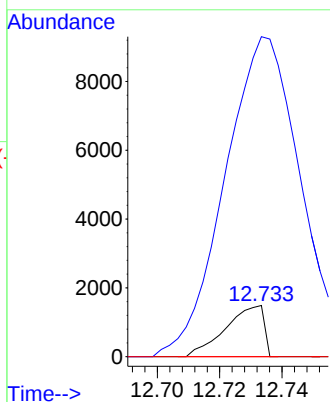
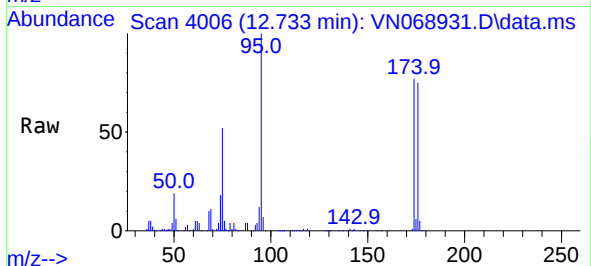




#71
Bromoform
Concen: 0.367 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

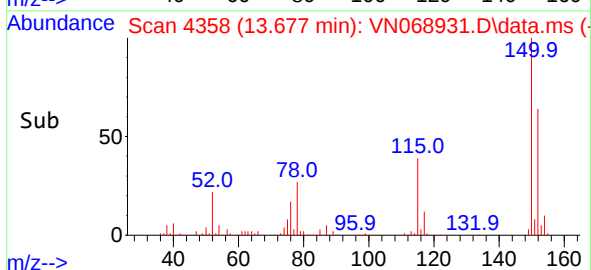
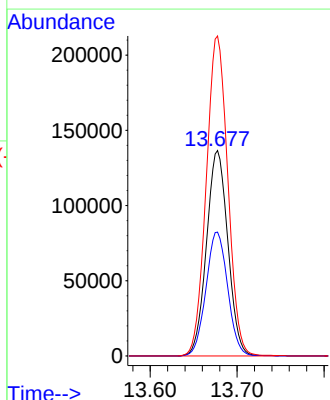
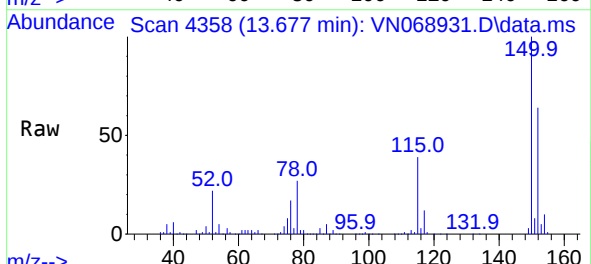
Instrument :
MSVOA_N
ClientSampled :

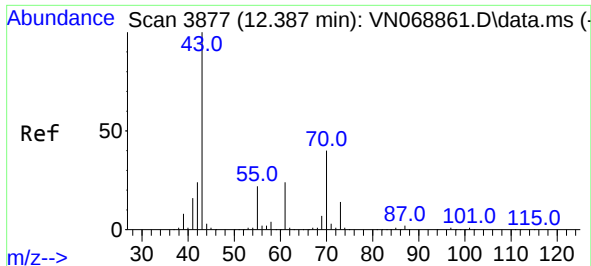
Tgt Ion:173 Resp: 1273
Ion Ratio Lower Upper
173 100
175 1150.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion:152 Resp: 233831
Ion Ratio Lower Upper
152 100
115 61.2 31.4 94.3
150 156.8 0.0 351.0

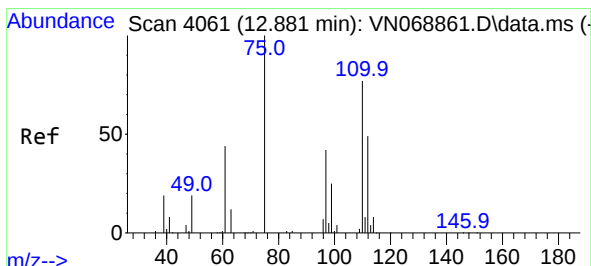
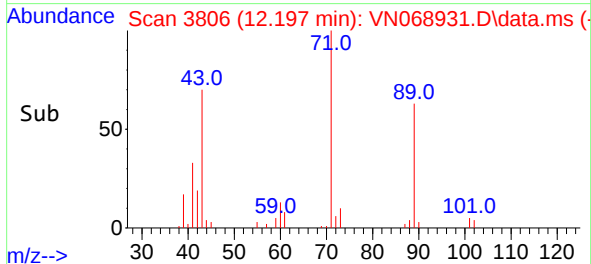
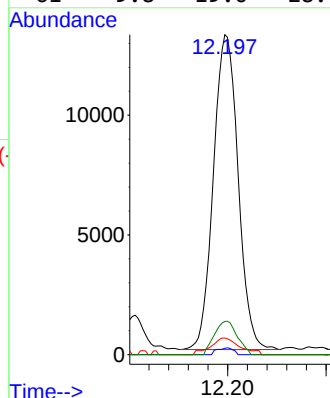
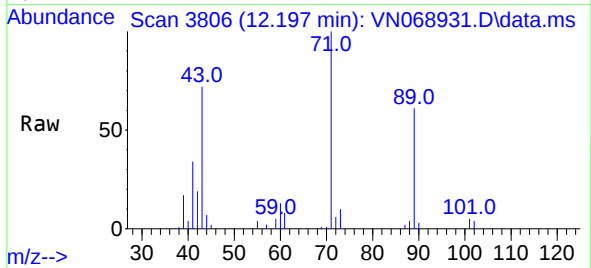




#74
N-amy1 acetate
Concen: 3.111 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

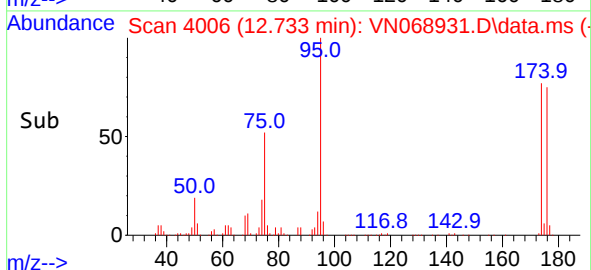
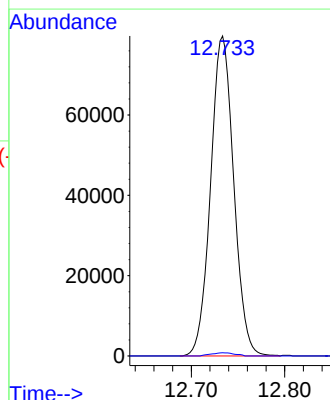
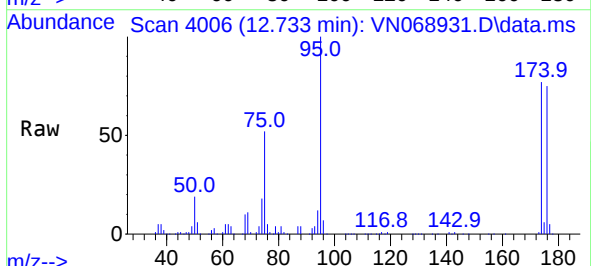
Instrument :
MSVOA_N
ClientSampled :

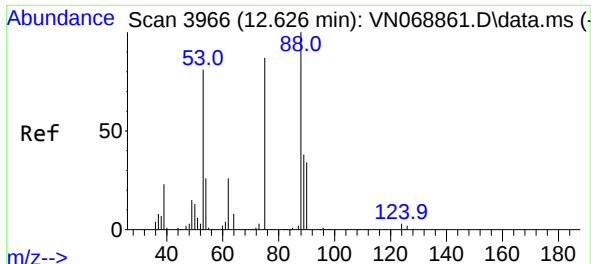
Tgt Ion:	43	Resp:	22942
Ion Ratio	Lower	Upper	
43	100		
70	1.4	32.2	48.2#
55	6.2	18.0	27.0#
61	9.8	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 27.548 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion:	75	Resp:	137058
Ion Ratio	Lower	Upper	
75	100		
77	1.0	96.2	288.4#

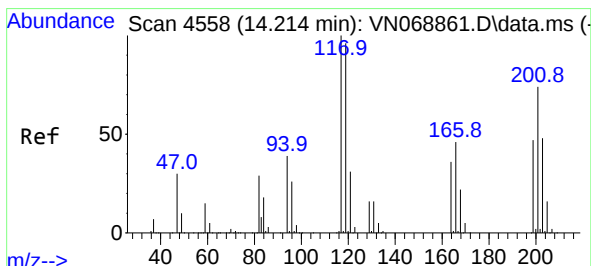
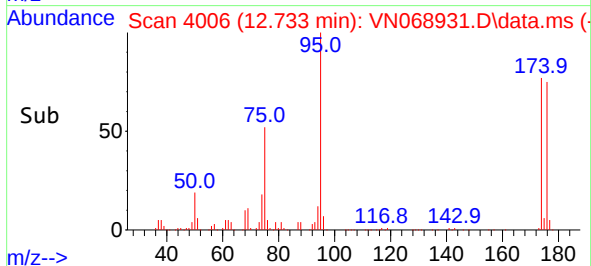
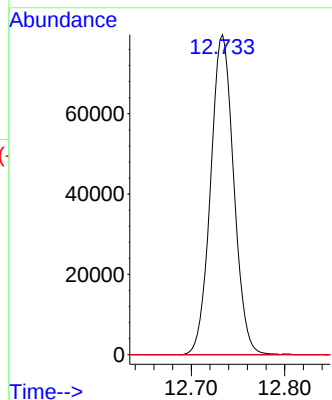
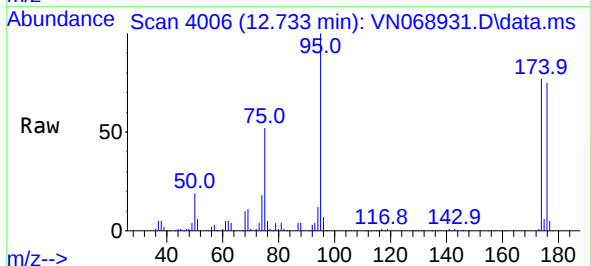




#81
trans-1,4-Dichloro-2-butene
Concen: 65.907 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

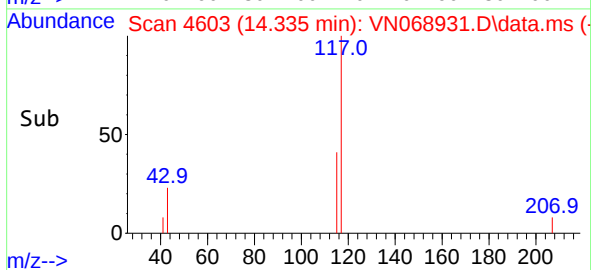
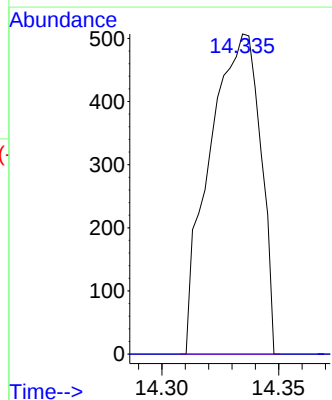
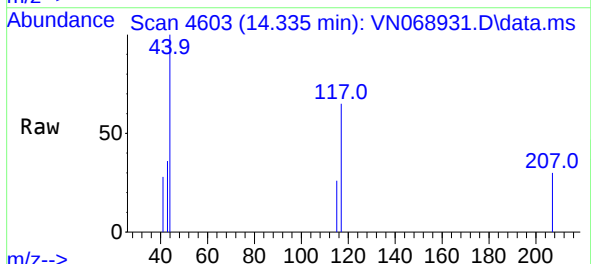
Instrument :
MSVOA_N
ClientSampled :

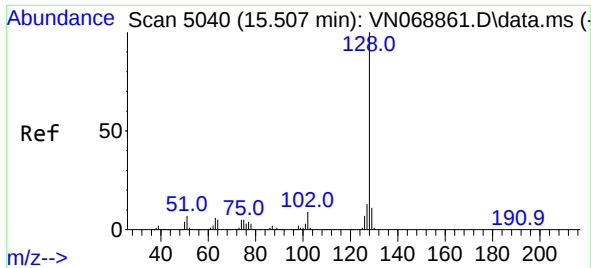
Tgt Ion: 75 Resp: 137058
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.232 ug/l
RT: 14.335 min Scan# 4603
Delta R.T. 0.121 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Tgt Ion:117 Resp: 765
Ion Ratio Lower Upper
117 100
201 0.0 37.1 111.5#





#95
Naphthalene
Concen: 4.158 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068931.D
Acq: 14 Oct 2021 17:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4074
Ion Ratio Lower Upper
128 100
127 7.9 10.5 15.7#
129 7.4 8.9 13.3#

