

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069016.D
 Acq On : 19 Oct 2021 7:30
 Operator : JC/MD
 Sample : M4242-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 10:01:25 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

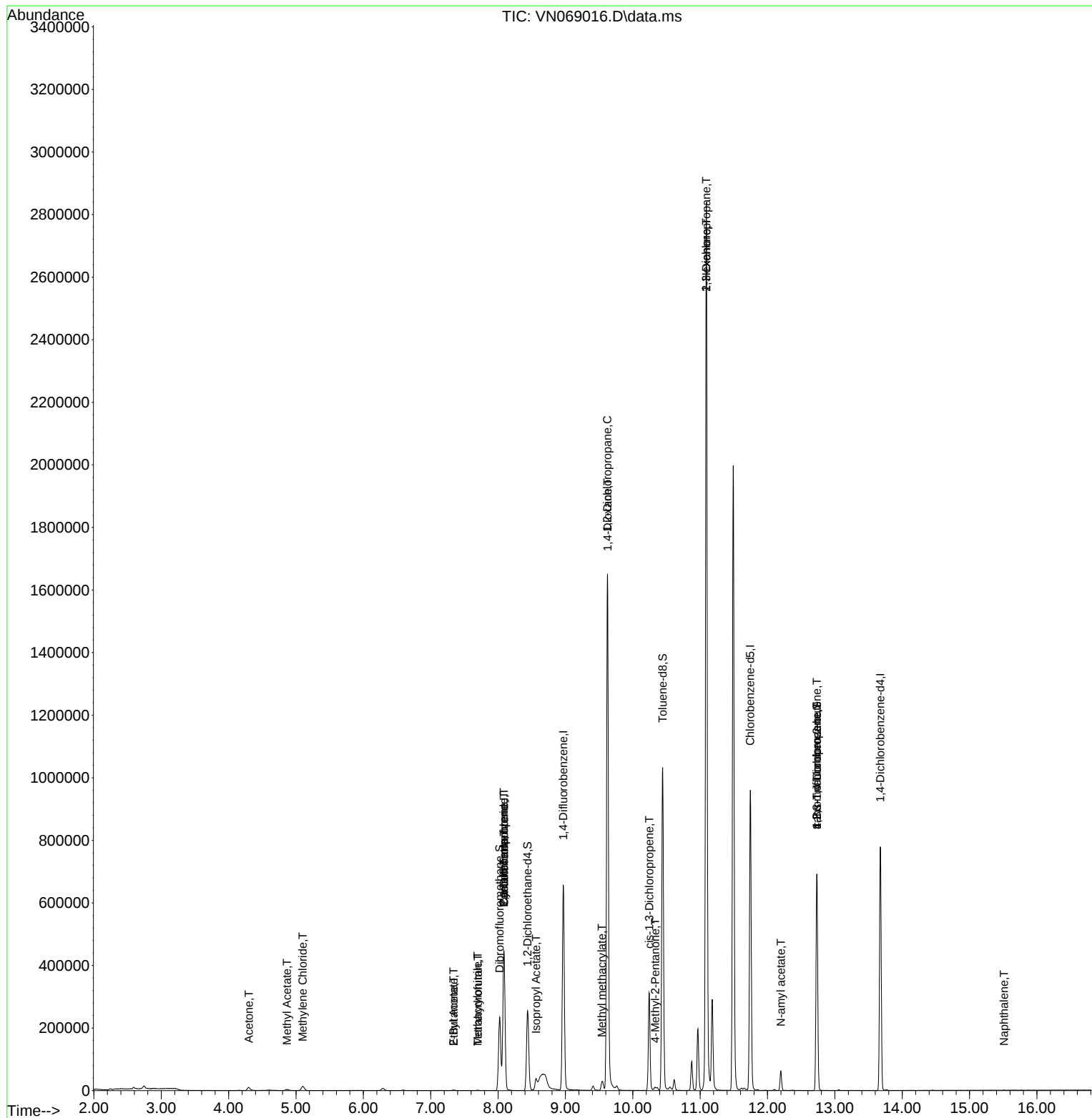
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	335899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	587201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	561601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	205796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	219836	49.639	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.280%	
35) Dibromofluoromethane	8.024	113	172642	50.533	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	101.060%	
50) Toluene-d8	10.443	98	736685	53.893	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.780%	
62) 4-Bromofluorobenzene	12.733	95	257396	49.909	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	99.820%	
Target Compounds						
					Qvalue	
16) Acetone	4.299	43	19781	11.969	ug/l	98
18) Methyl Acetate	4.867	43	8328	1.328	ug/l	92
20) Methylene Chloride	5.098	84	11271	2.963	ug/l	96
25) 2-Butanone	7.340	43	3192	1.277	ug/l	95
29) Tetrahydrofuran	7.699	42	725	0.447	ug/l #	42
31) Cyclohexane	8.086	56	7621	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	27076	5.398	ug/l #	49
37) Ethyl Acetate	7.340	43	3192	0.616	ug/l #	68
38) Carbon Tetrachloride	8.086	117	34992	6.352	ug/l #	15
41) Methacrylonitrile	7.697	41	555	0.213	ug/l #	21
43) Isopropyl Acetate	8.563	43	44238	4.840	ug/l #	85
45) 1,2-Dichloropropane	9.622	63	2118	0.534	ug/l #	43
48) Methyl methacrylate	9.542	41	7927	1.846	ug/l #	13
49) 1,4-Dioxane	9.628	88	136	37.201	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	4099	0.773	ug/l #	67
54) cis-1,3-Dichloropropene	10.245	75	59567	9.016	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	31315	4.902	ug/l #	42
59) 2-Hexanone	11.092	43	446584	117.506	ug/l #	50
74) N-amyl acetate	12.197	43	19143	2.950	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	135491	30.943	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	135491	74.029	ug/l #	12
95) Naphthalene	15.509	128	124	3.824	ug/l #	69

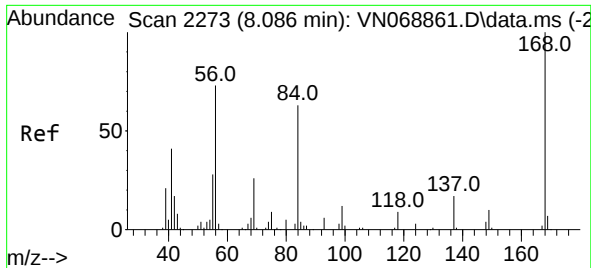
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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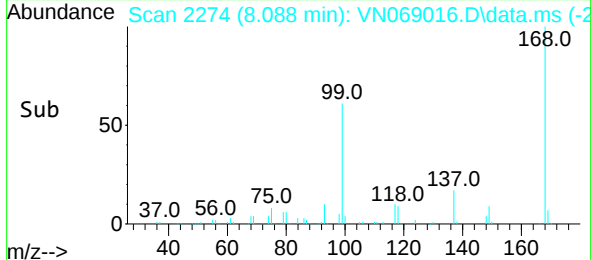
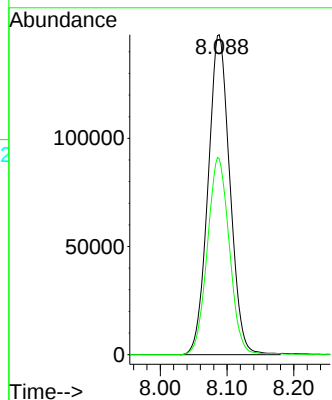
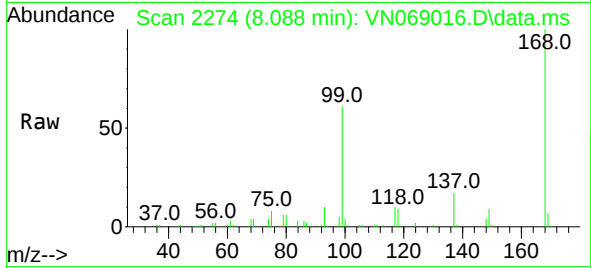




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

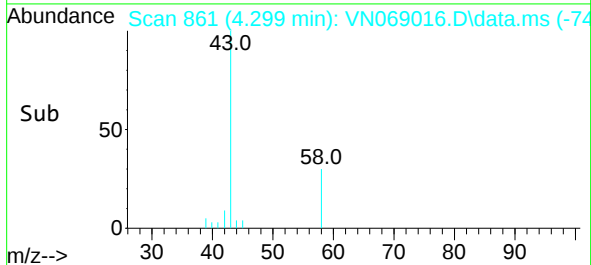
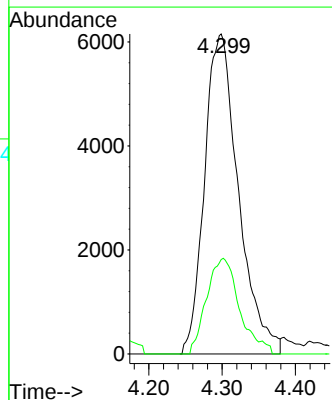
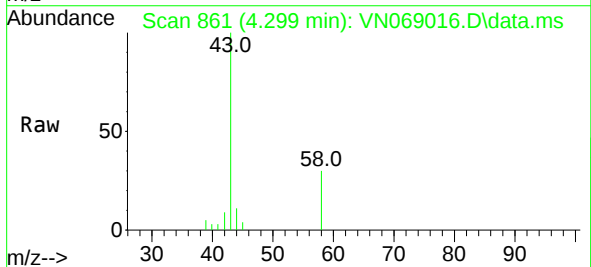
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 335899
Ion Ratio Lower Upper
168 100
99 61.2 48.9 73.3



#16
Acetone
Concen: 11.969 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 43 Resp: 19781
Ion Ratio Lower Upper
43 100
58 29.5 24.5 36.7





#18

Methyl Acetate

Concen: 1.328 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN069016.D

Acq: 19 Oct 2021 7:30

Tgt Ion: 43 Resp: 8328

Ion Ratio Lower Upper

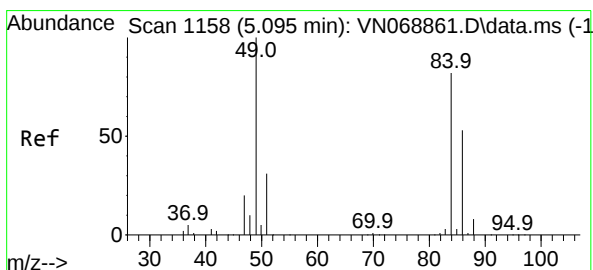
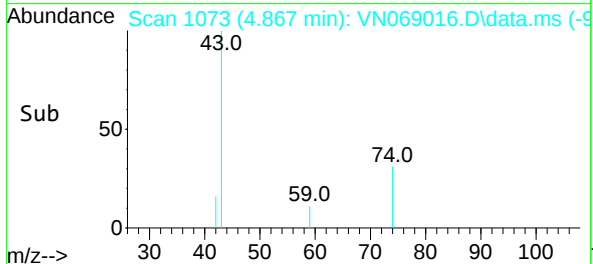
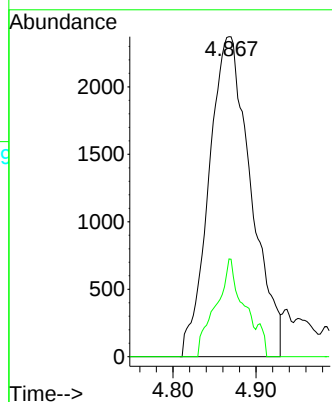
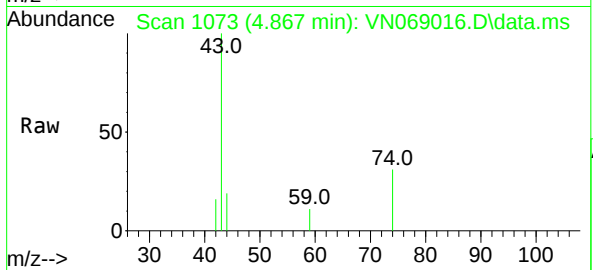
43 100

74 19.6 18.9 28.3

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 2.963 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.003 min

Lab File: VN069016.D

Acq: 19 Oct 2021 7:30

Tgt Ion: 84 Resp: 11271

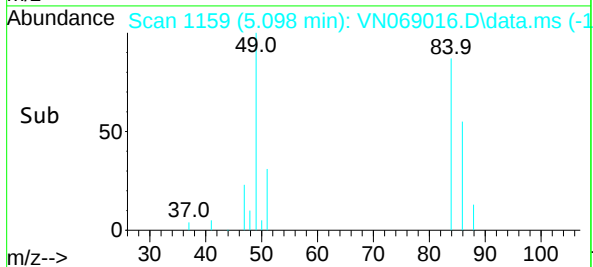
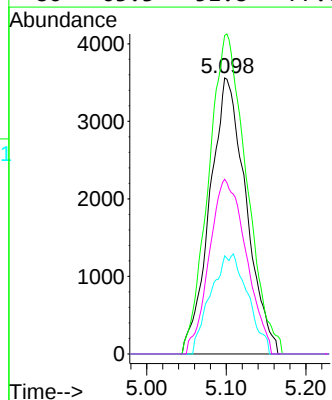
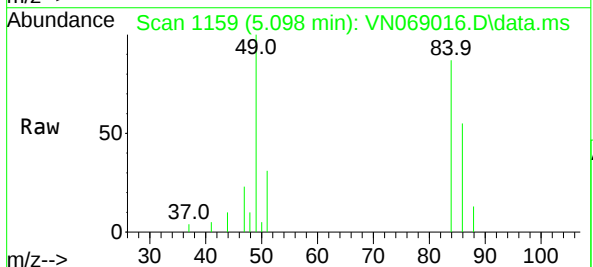
Ion Ratio Lower Upper

84 100

49 115.4 97.6 146.4

51 35.5 30.3 45.5

86 63.3 51.8 77.6

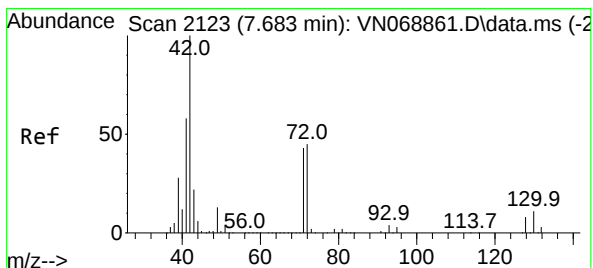
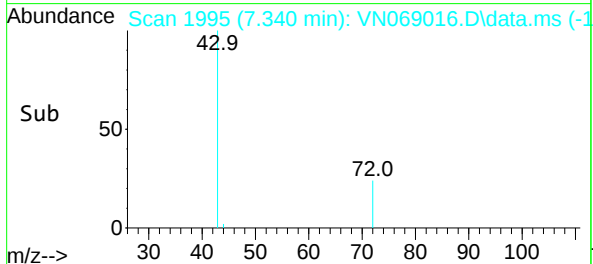
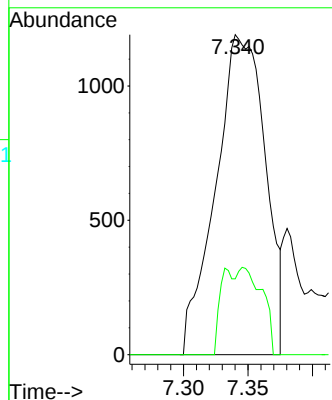
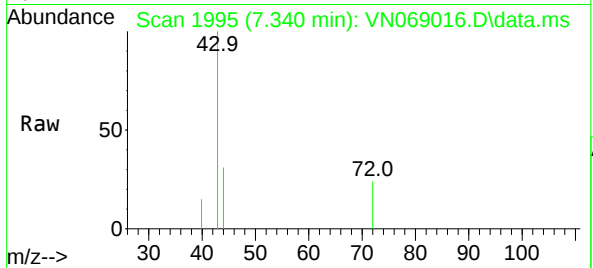




#25
2-Butanone
Concen: 1.277 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

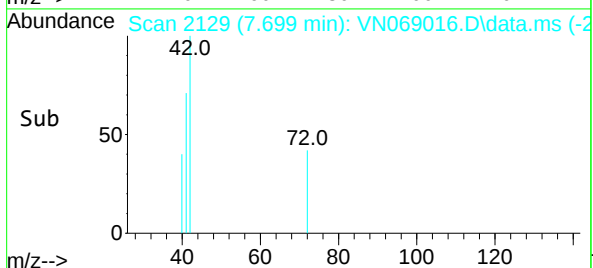
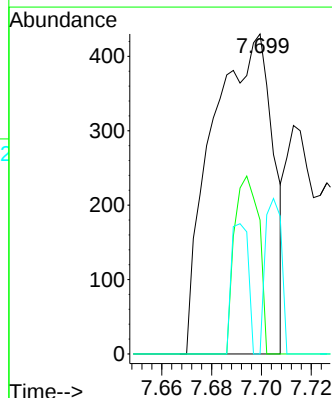
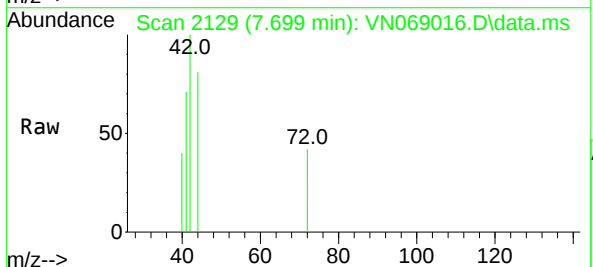
Instrument :
MSVOA_N
ClientSampleId :

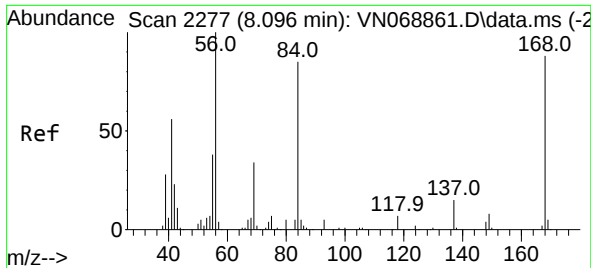
Tgt Ion: 43 Resp: 3192
Ion Ratio Lower Upper
43 100
72 23.7 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 42 Resp: 725
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 12.8 33.8 50.6#

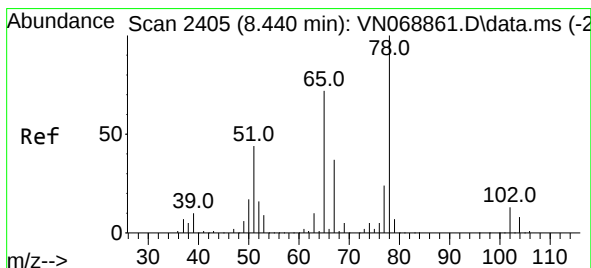
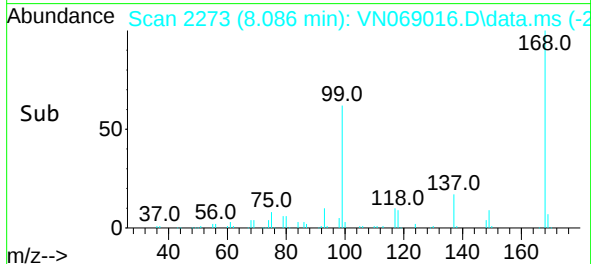
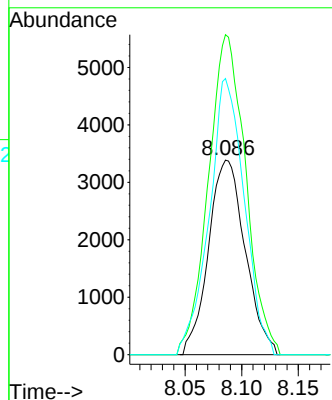
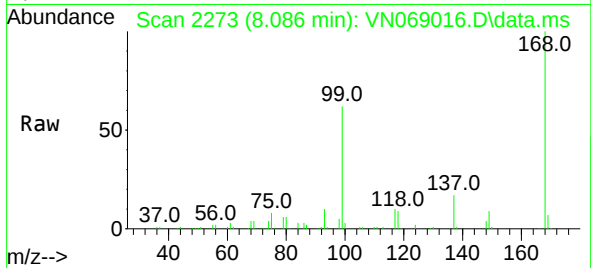




#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

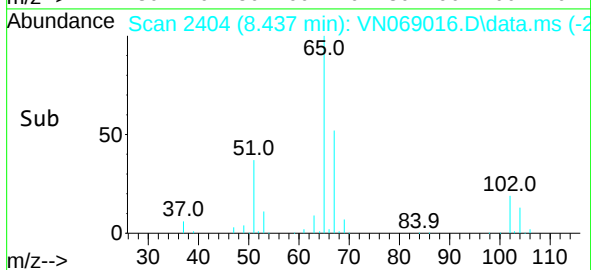
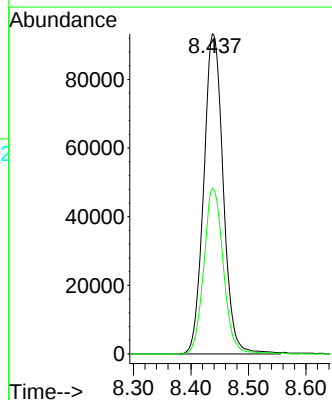
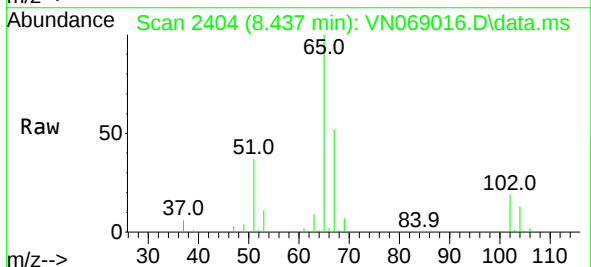
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 56 Resp: 7621
Ion Ratio Lower Upper
56 100
69 164.5 26.9 40.3#
84 142.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.639 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 65 Resp: 219836
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8

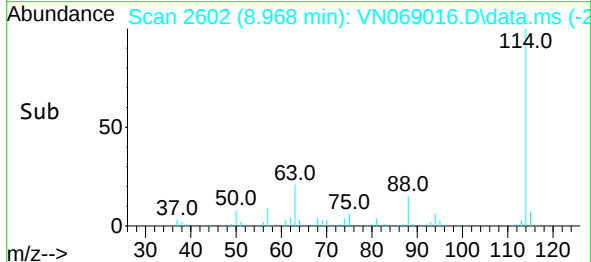
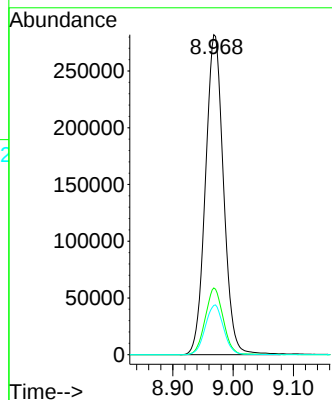
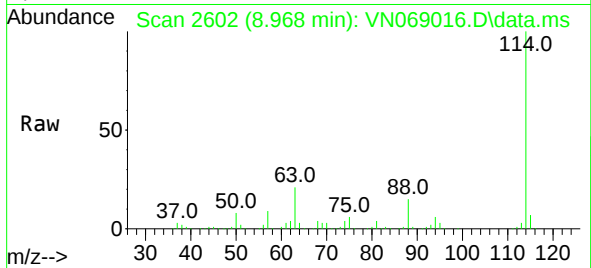




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069016.D
 Acq: 19 Oct 2021 7:30

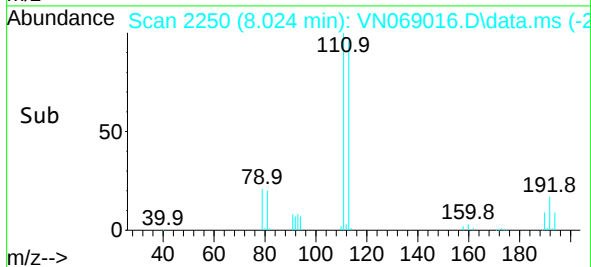
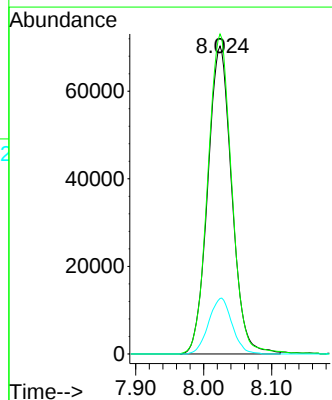
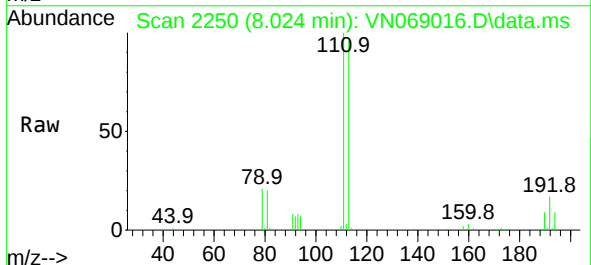
Instrument :
 MSVOA_N
 ClientSampled :

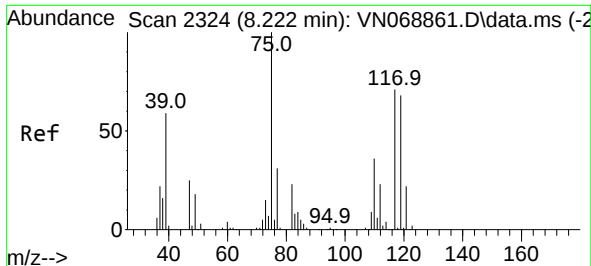
Tgt Ion:	114	Resp:	587201
Ion Ratio	Lower	Upper	
114	100		
63	20.8	0.0	42.6
88	15.4	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 50.533 ug/l
 RT: 8.024 min Scan# 2250
 Delta R.T. 0.003 min
 Lab File: VN069016.D
 Acq: 19 Oct 2021 7:30

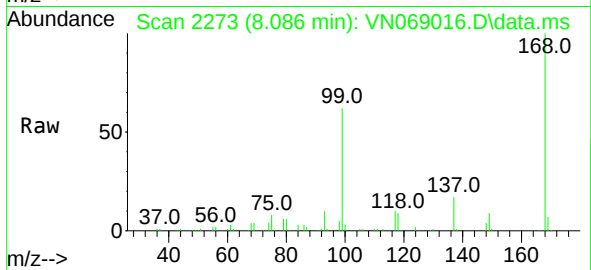
Tgt Ion:	113	Resp:	172642
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.2	124.8
192	17.7	15.0	22.4



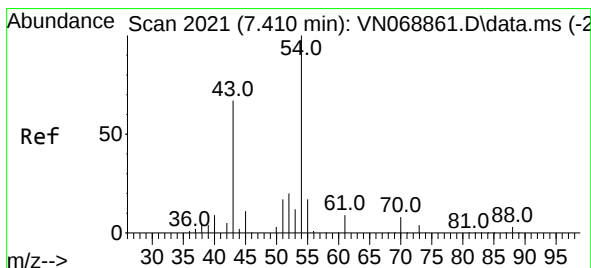
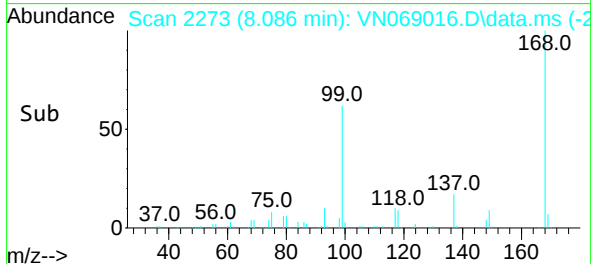
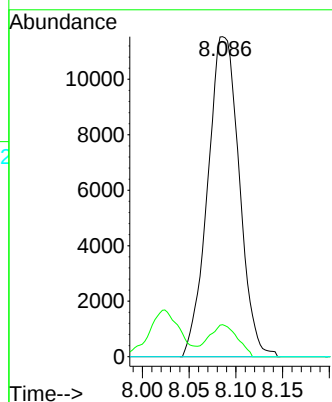


#36
 1,1-Dichloropropene
 Concen: 5.398 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN069016.D
 Acq: 19 Oct 2021 7:30

Instrument :
 MSVOA_N
 ClientSampled :

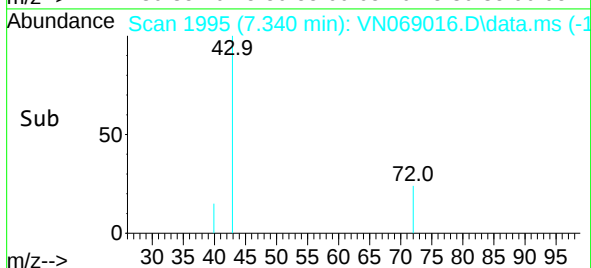
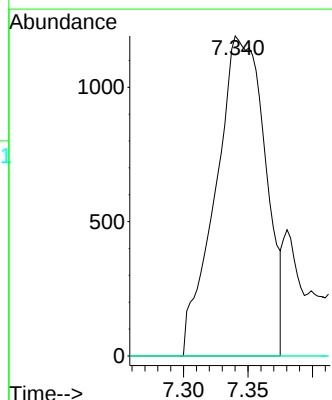
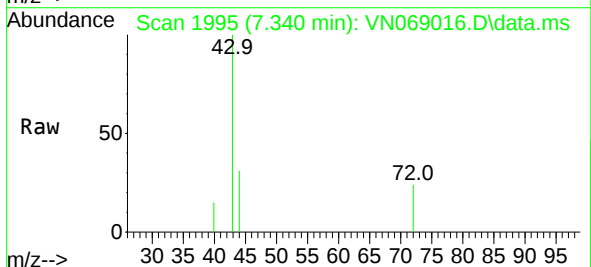


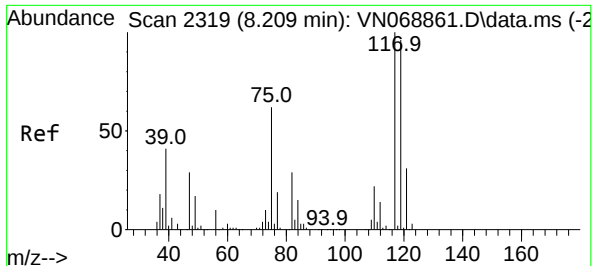
Tgt Ion: 75 Resp: 27076
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.9 53.8#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 0.616 ug/l
 RT: 7.340 min Scan# 1995
 Delta R.T. -0.070 min
 Lab File: VN069016.D
 Acq: 19 Oct 2021 7:30

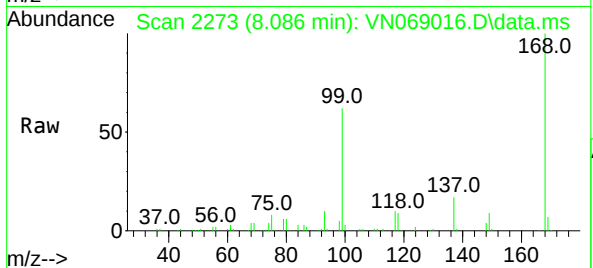
Tgt Ion: 43 Resp: 3192
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.2 16.8#
 70 0.0 8.4 12.6#



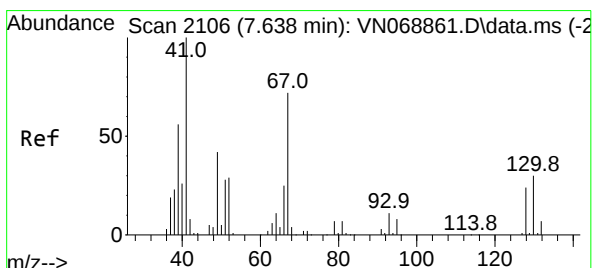
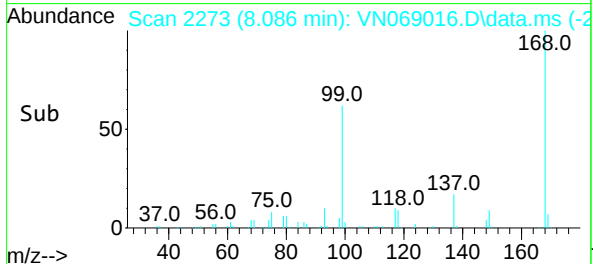
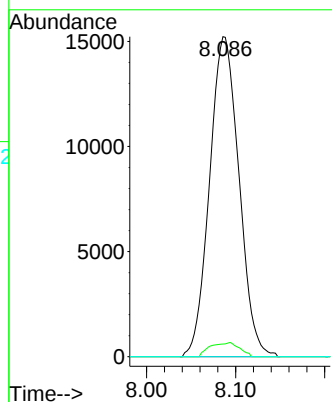


#38
Carbon Tetrachloride
Concen: 6.352 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Instrument :
MSVOA_N
ClientSampled :

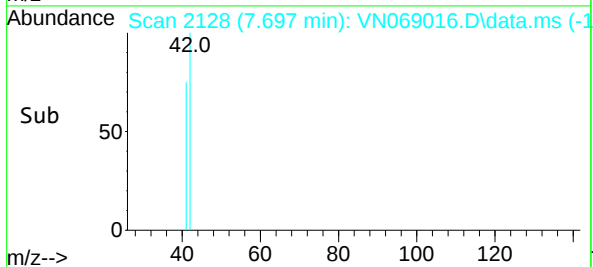
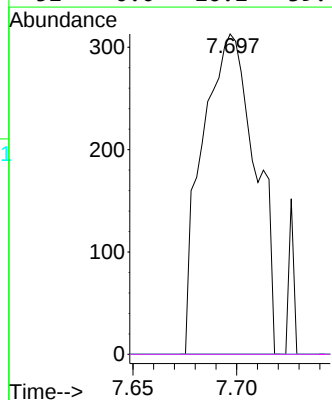
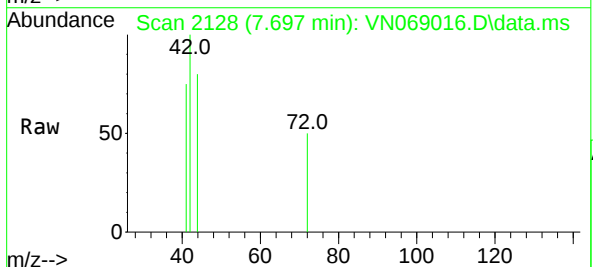


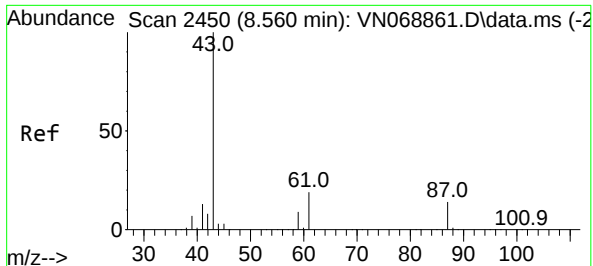
Tgt Ion:117 Resp: 34992
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 41 Resp: 555
Ion Ratio Lower Upper
41 100
39 0.0 44.9 67.3#
67 0.0 62.6 93.8#
52 0.0 26.2 39.4#

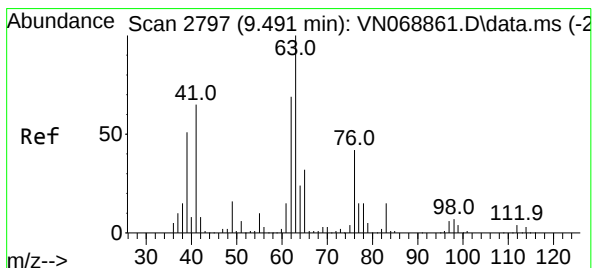
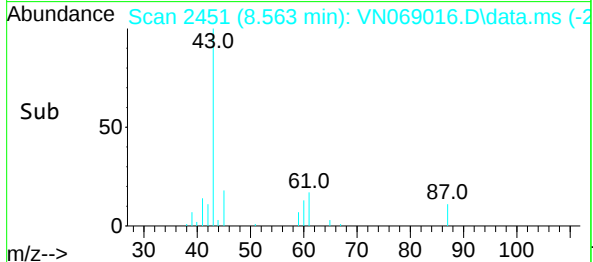
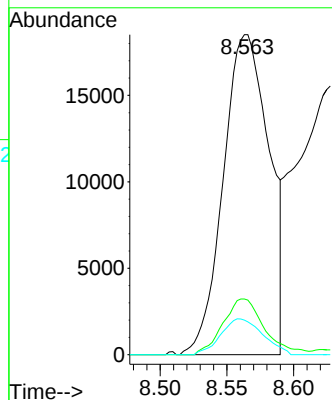
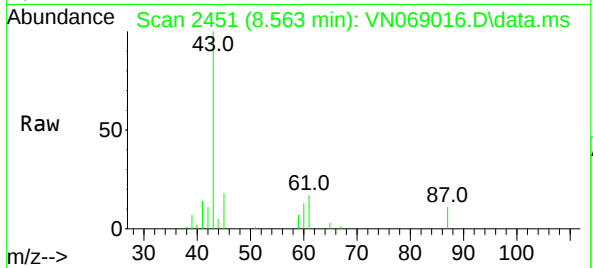




#43
Isopropyl Acetate
Concen: 4.840 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

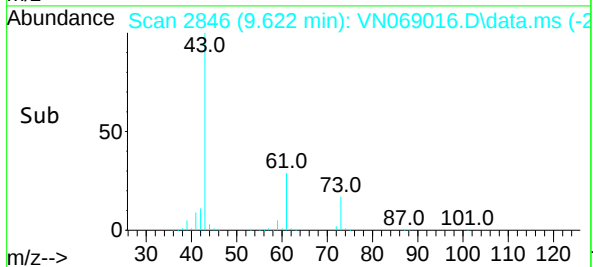
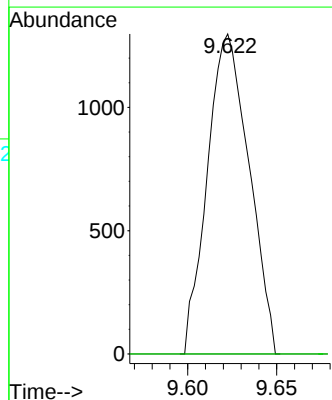
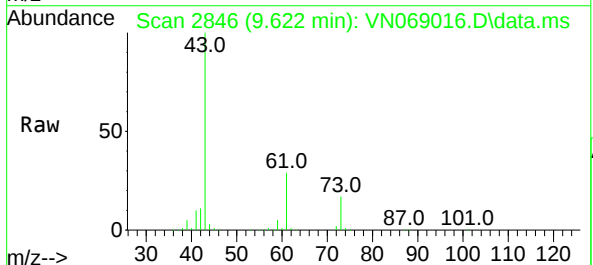
Instrument :
MSVOA_N
ClientSampled :

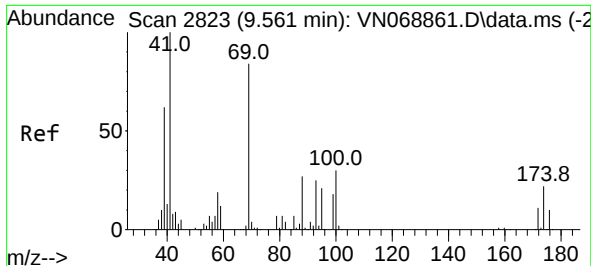
Tgt Ion: 43 Resp: 44238
Ion Ratio Lower Upper
43 100
61 15.8 20.4 30.6#
87 10.2 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.534 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 63 Resp: 2118
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

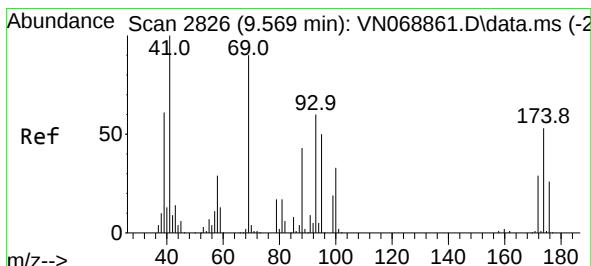
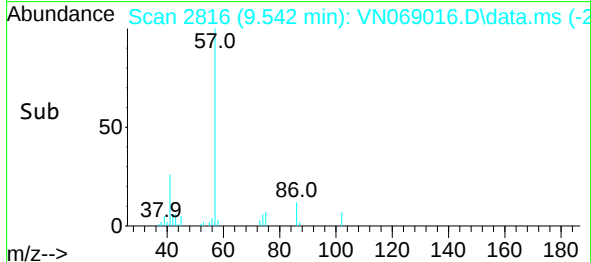
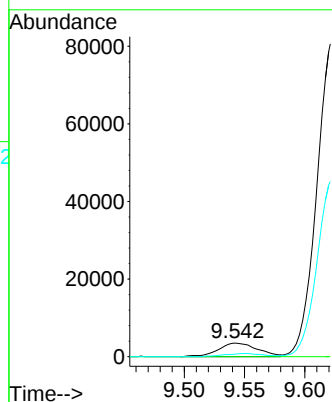
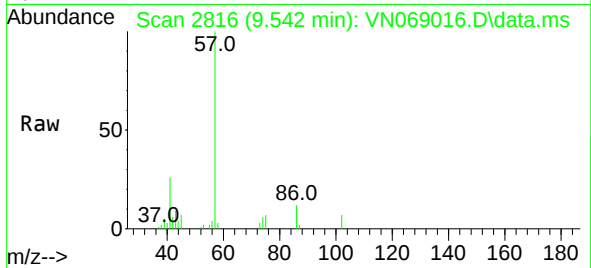




#48
Methyl methacrylate
Concen: 1.846 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

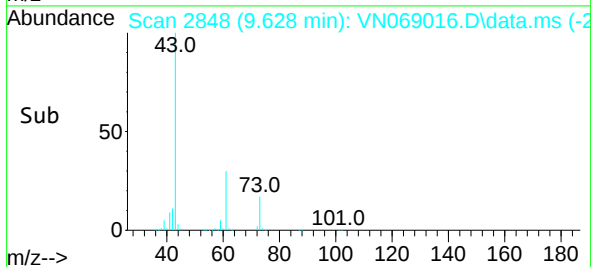
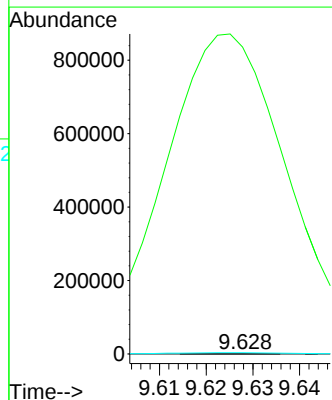
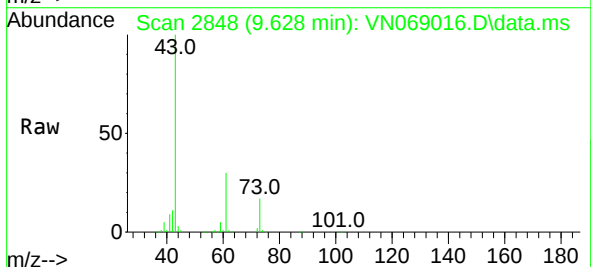
Instrument :
MSVOA_N
ClientSampleId :

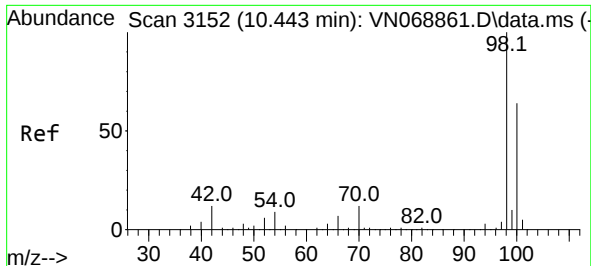
Tgt Ion: 41 Resp: 7927
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.201 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 1236791.2 24.9 37.3#
58 4741.9 56.9 85.3#

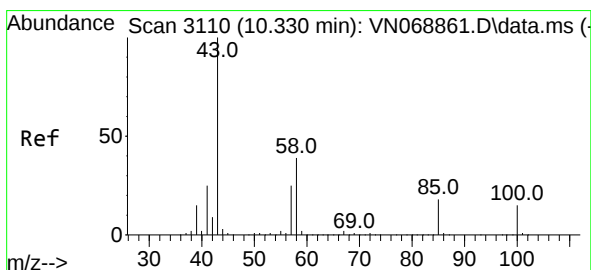
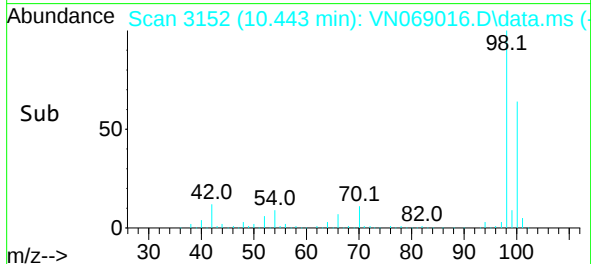
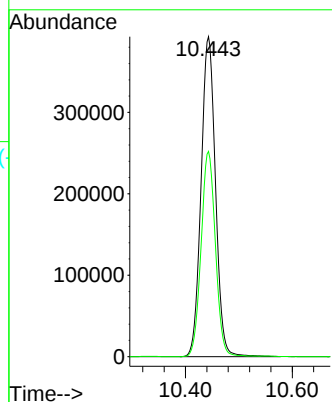
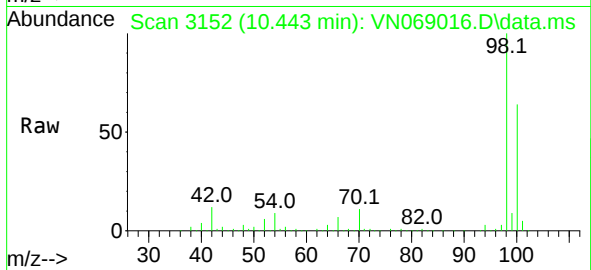




#50
Toluene-d8
Concen: 53.893 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

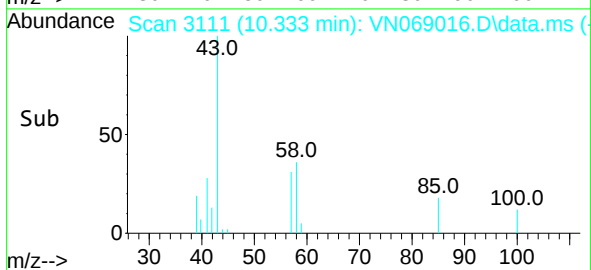
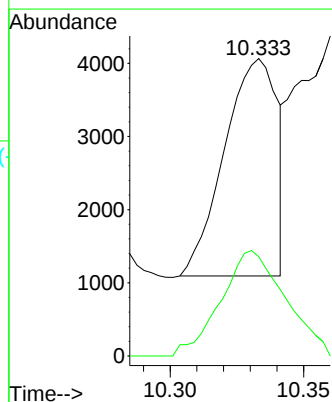
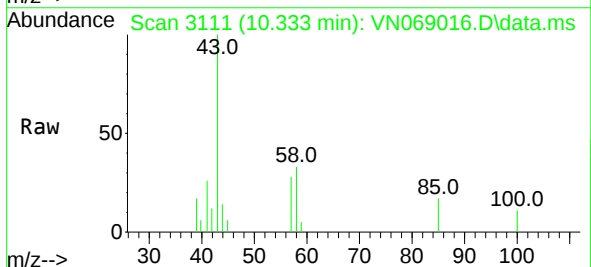
Instrument :
MSVOA_N
ClientSampled :

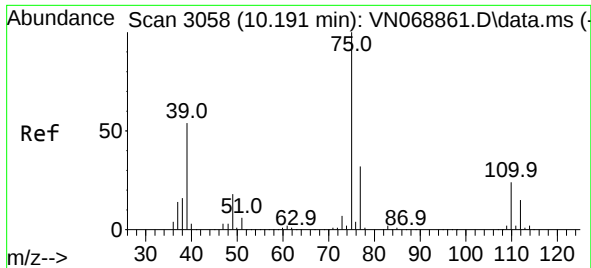
Tgt Ion: 98 Resp: 736685
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.773 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
58 58.9 31.0 46.4#

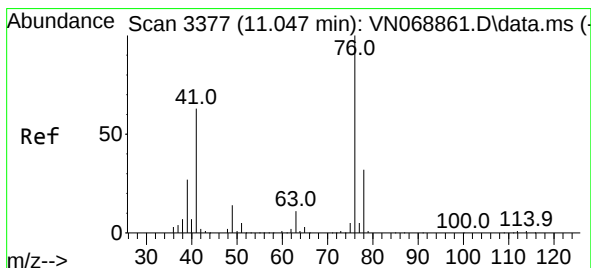
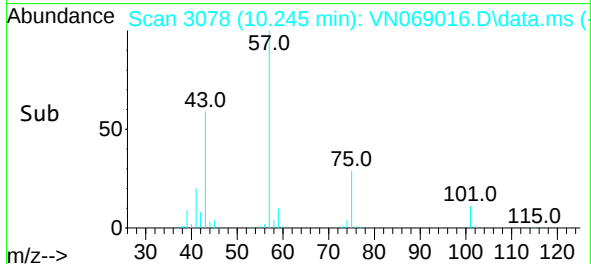
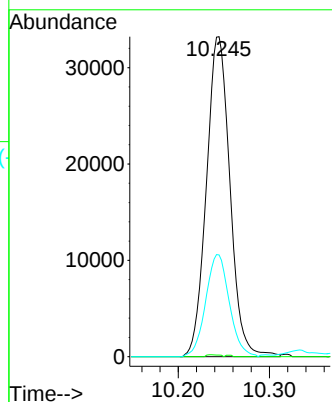
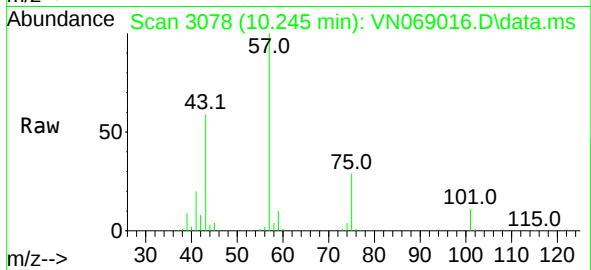




#54
cis-1,3-Dichloropropene
Concen: 9.016 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

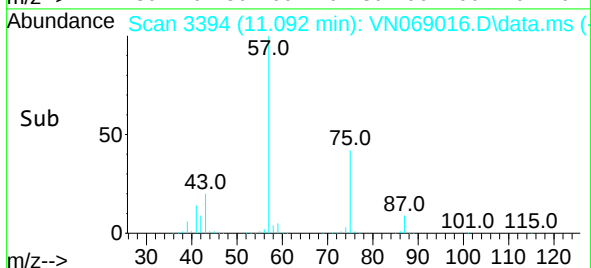
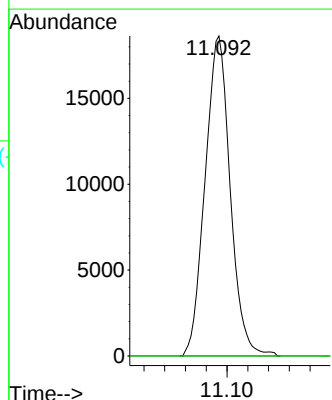
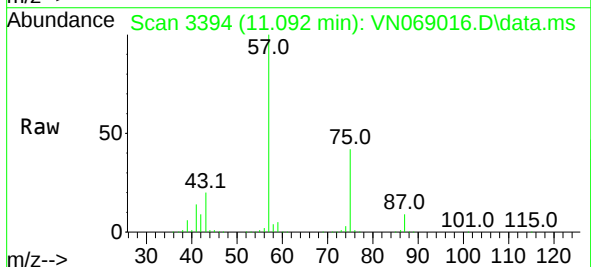
Instrument :
MSVOA_N
ClientSampled :

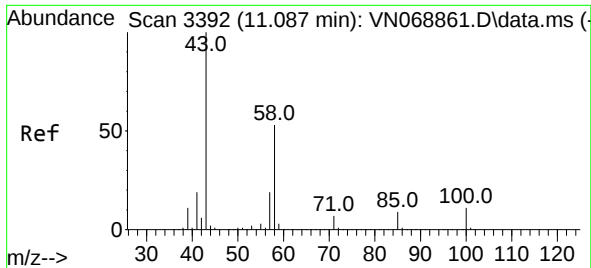
Tgt Ion:	75	Resp:	59567
Ion Ratio	Lower	Upper	
75	100		
77	0.5	25.6	38.4#
39	31.8	42.9	64.3#



#57
1,3-Dichloropropane
Concen: 4.902 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion:	76	Resp:	31315
Ion Ratio	Lower	Upper	
76	100		
78	0.0	25.8	38.8#

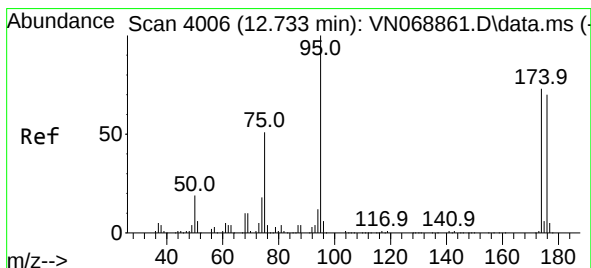
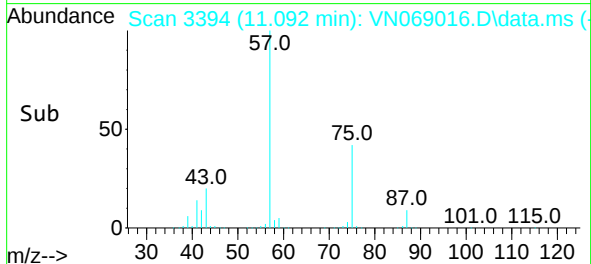
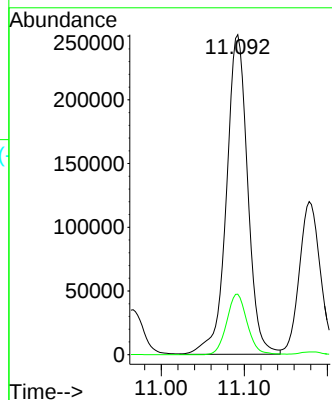
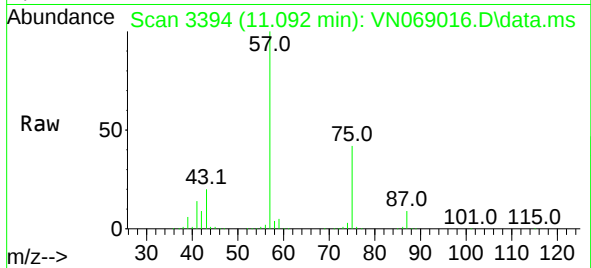




#59
2-Hexanone
Concen: 117.506 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

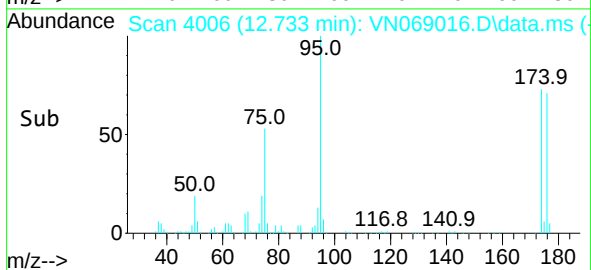
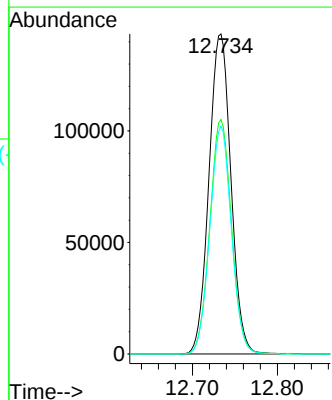
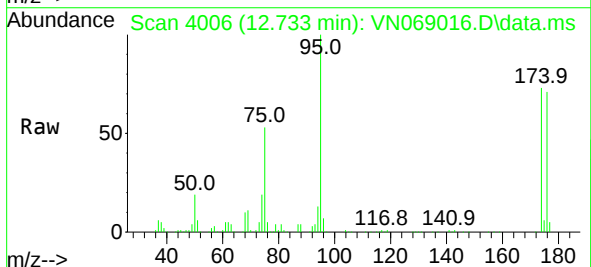
Instrument :
MSVOA_N
ClientSampleId :

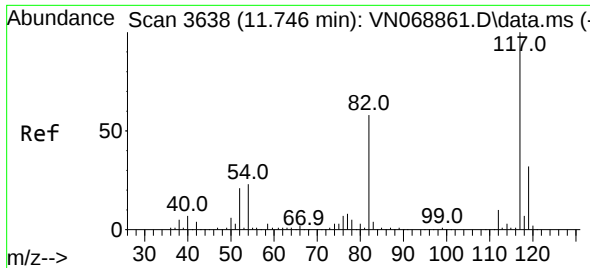
Tgt Ion: 43 Resp: 446584
Ion Ratio Lower Upper
43 100
58 18.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 49.909 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion: 95 Resp: 257396
Ion Ratio Lower Upper
95 100
174 72.5 0.0 144.8
176 69.7 0.0 140.0

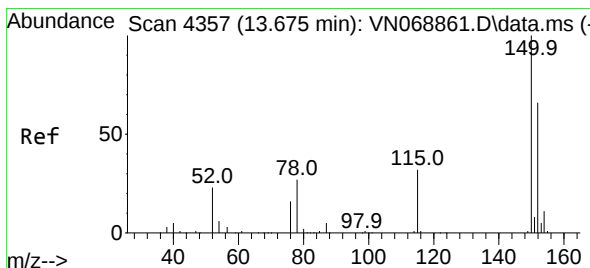
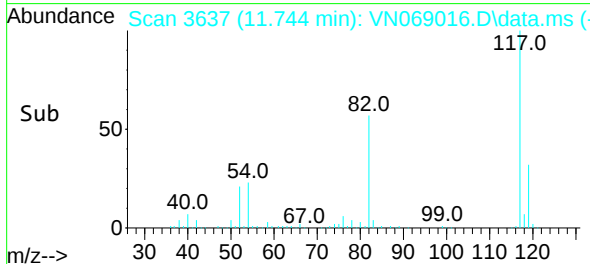
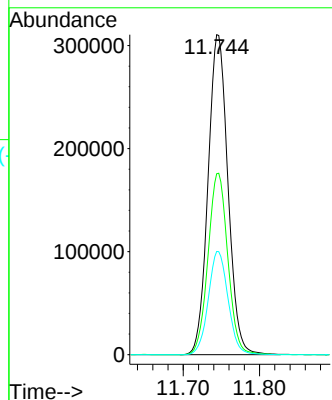
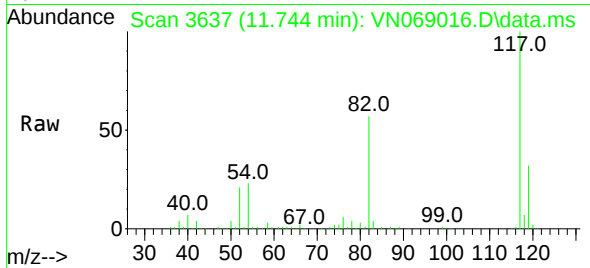




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

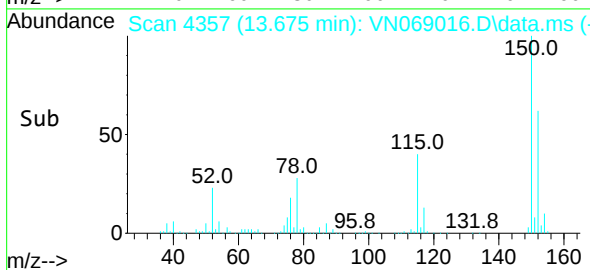
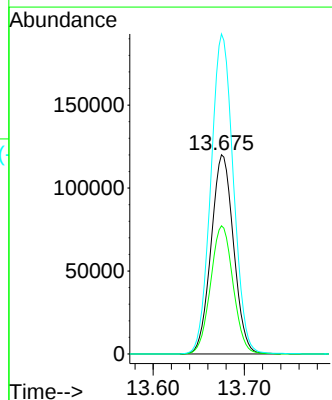
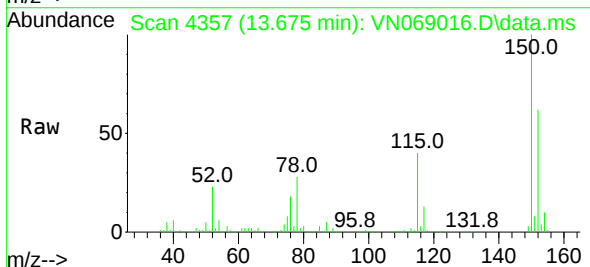
Instrument :
MSVOA_N
ClientSampleId :

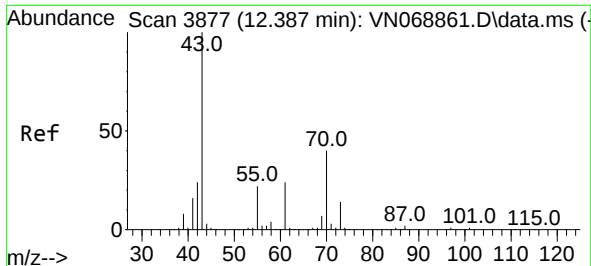
Tgt Ion:117 Resp: 561601
Ion Ratio Lower Upper
117 100
82 56.6 46.4 69.6
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion:152 Resp: 205796
Ion Ratio Lower Upper
152 100
115 64.5 31.4 94.3
150 160.7 0.0 351.0

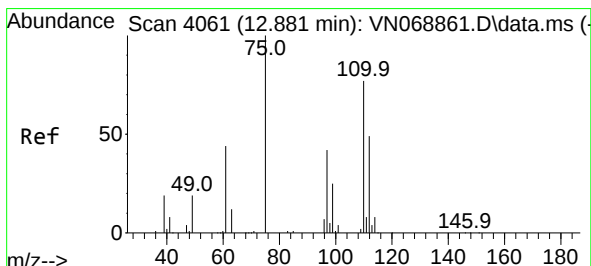
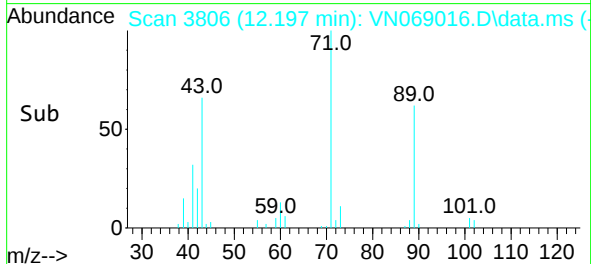
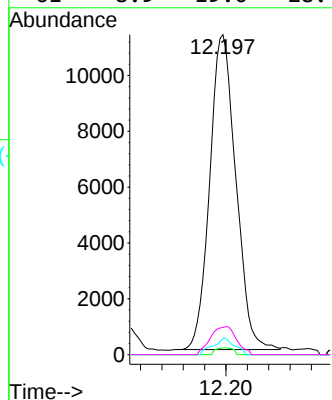
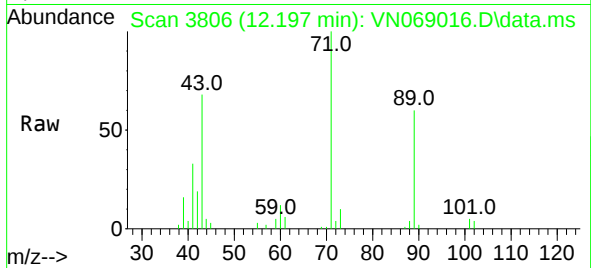




#74
N-amy1 acetate
Concen: 2.950 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.190 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

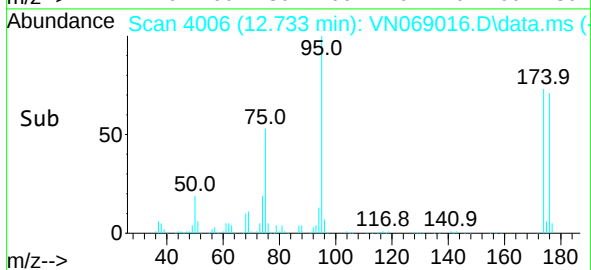
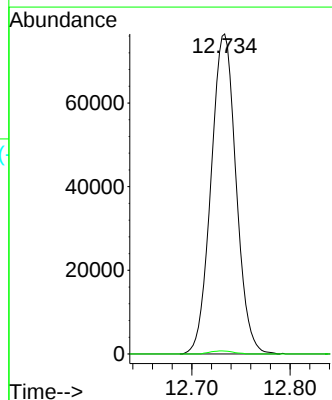
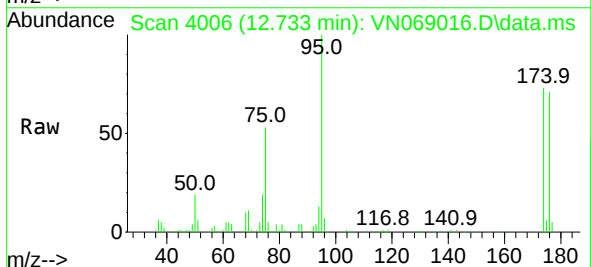
Instrument :
MSVOA_N
ClientSampled :

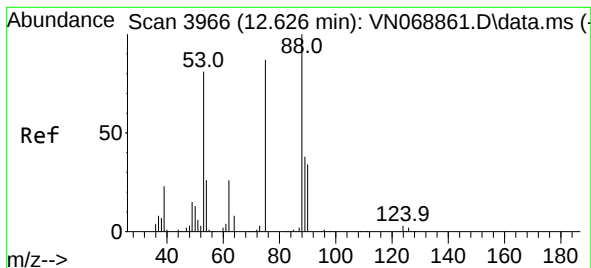
Tgt Ion:	43	Resp:	19143
Ion Ratio	Lower	Upper	
43	100		
70	1.4	32.2	48.2#
55	4.3	18.0	27.0#
61	8.9	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 30.943 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion:	75	Resp:	135491
Ion Ratio	Lower	Upper	
75	100		
77	0.9	96.2	288.4#

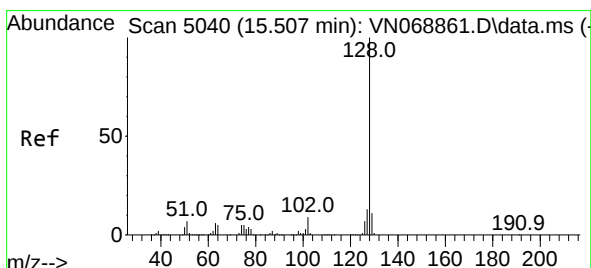
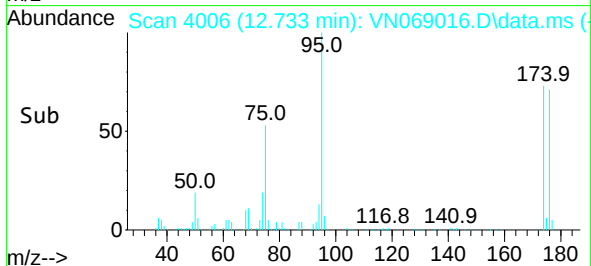
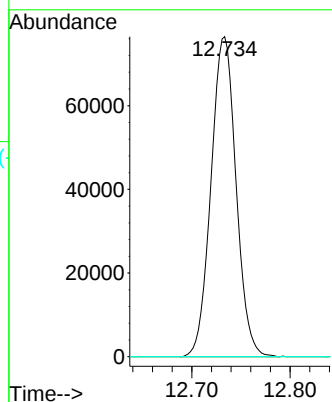
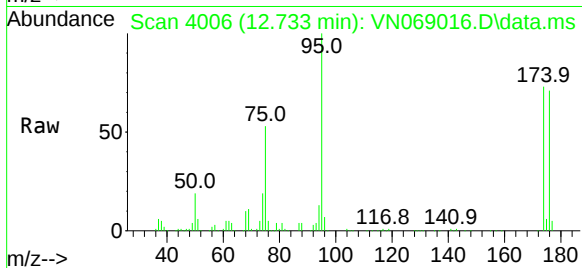




#81
trans-1,4-Dichloro-2-butene
Concen: 74.029 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 135491
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.824 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069016.D
Acq: 19 Oct 2021 7:30

Tgt Ion:128 Resp: 124
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

