

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069116.D
 Acq On : 22 Oct 2021 3:47
 Operator : JC/MD
 Sample : M4285-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 07:21:25 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	329850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	574483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	577646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	221766	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	211654	48.668	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.340%
35) Dibromofluoromethane	8.024	113	165459	49.503	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.000%
50) Toluene-d8	10.443	98	726209	54.302	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.733	95	266067	52.732	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.460%

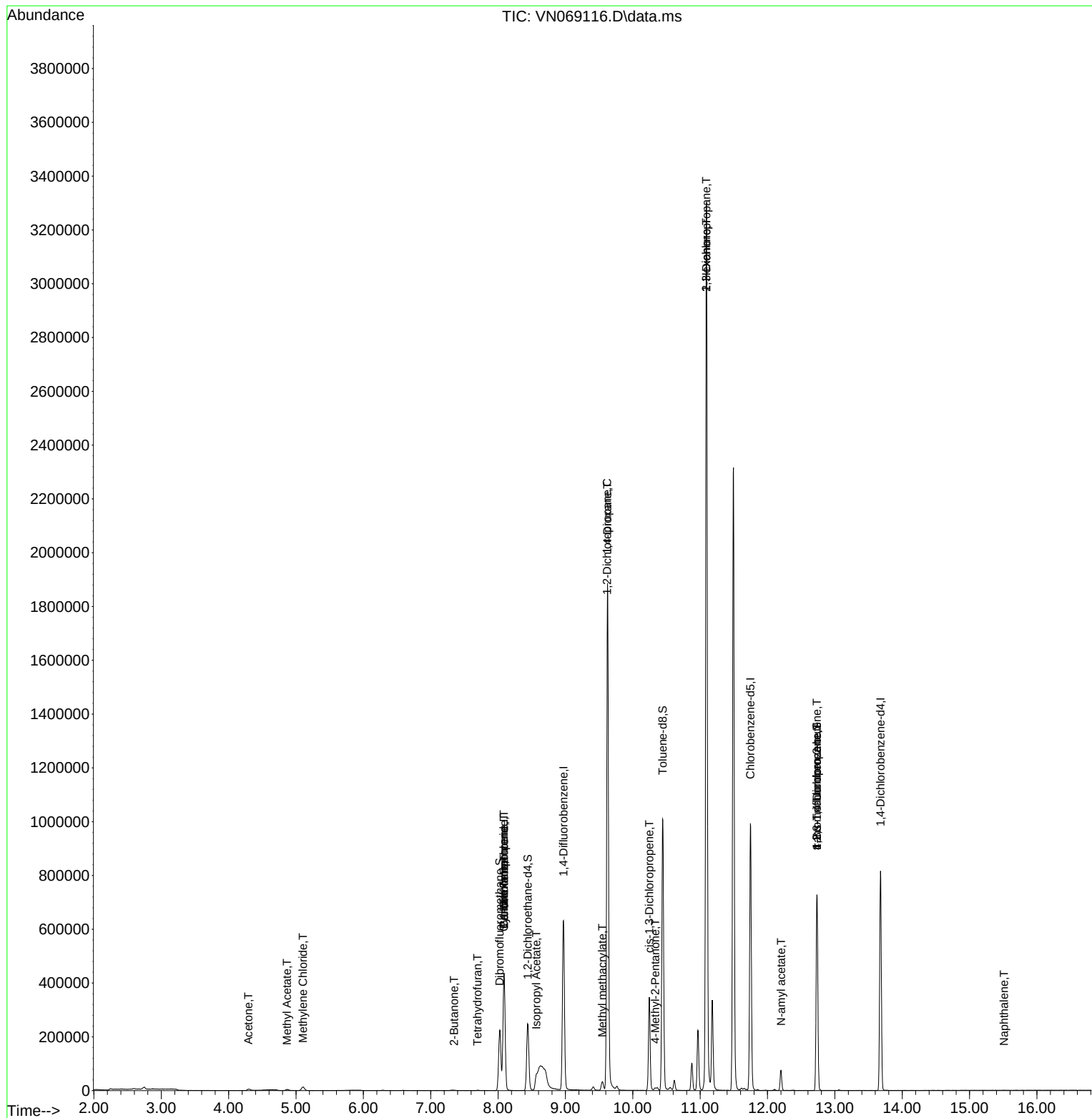
Target Compounds					Qvalue	
16) Acetone	4.293	43	4489	2.766	ug/l	99
18) Methyl Acetate	4.867	43	9130	1.483	ug/l #	80
20) Methylene Chloride	5.103	84	11171	2.991	ug/l	99
25) 2-Butanone	7.348	43	3042	1.240	ug/l	94
29) Tetrahydrofuran	7.694	42	398	0.250	ug/l #	27
31) Cyclohexane	8.086	56	7320	1.083	ug/l #	5
36) 1,1-Dichloropropene	8.088	75	26563	5.413	ug/l #	50
38) Carbon Tetrachloride	8.088	117	34549	6.411	ug/l #	15
43) Isopropyl Acetate	8.568	43	58701	6.565	ug/l #	81
45) 1,2-Dichloropropane	9.620	63	1177	0.304	ug/l #	43
48) Methyl methacrylate	9.547	41	8487	2.020	ug/l #	13
49) 1,4-Dioxane	9.622	88	218	38.201	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4655	0.898	ug/l #	85
54) cis-1,3-Dichloropropene	10.245	75	63962	9.895	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	36261	5.802	ug/l #	42
59) 2-Hexanone	11.092	43	505102	135.845	ug/l #	50
74) N-amyl acetate	12.200	43	22990	3.287	ug/l #	53
76) 1,2,3-Trichloropropane	12.733	75	140706	29.820	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	140706	71.342	ug/l #	12
95) Naphthalene	15.512	128	631	3.868	ug/l #	69

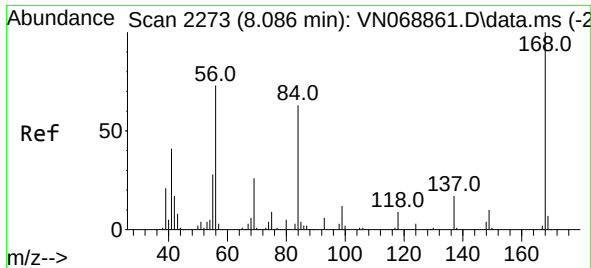
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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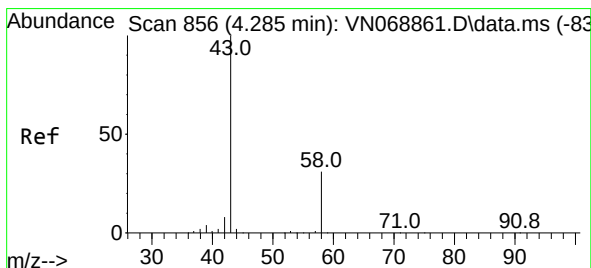
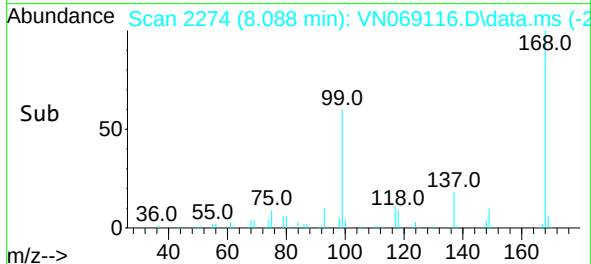
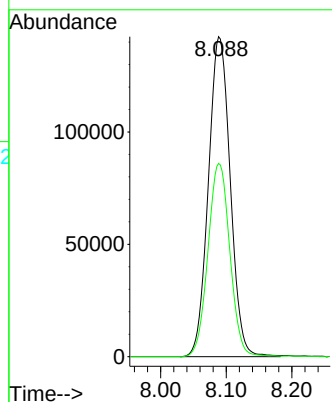
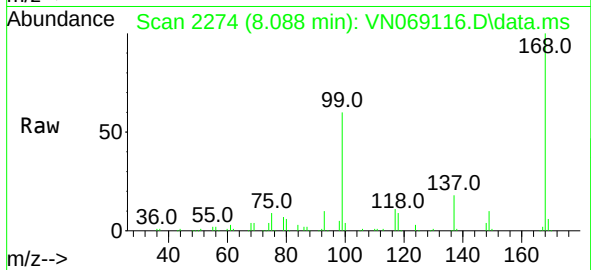




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

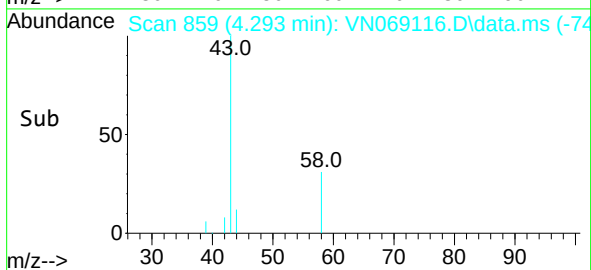
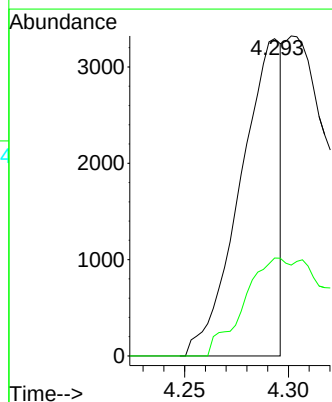
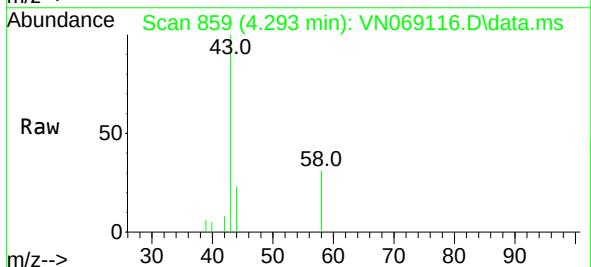
Instrument :
MSVOA_N
ClientSampled :

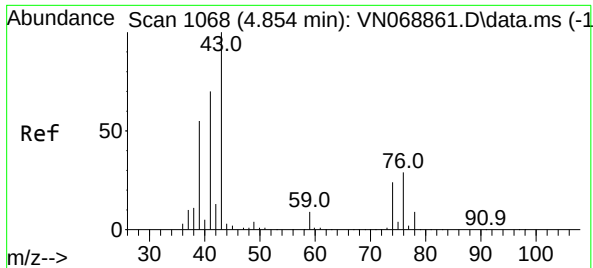
Tgt Ion:168 Resp: 329850
Ion Ratio Lower Upper
168 100
99 60.4 48.9 73.3



#16
Acetone
Concen: 2.766 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 43 Resp: 4489
Ion Ratio Lower Upper
43 100
58 30.9 24.5 36.7

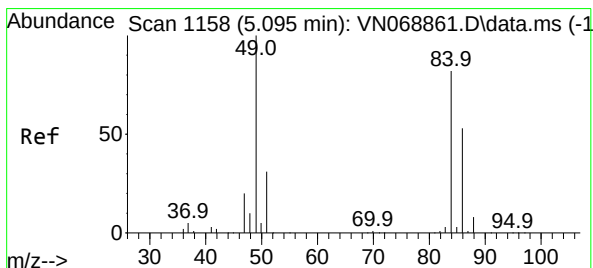
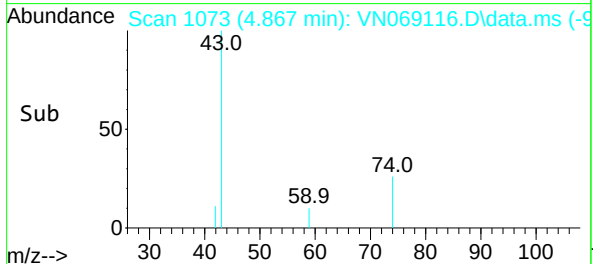
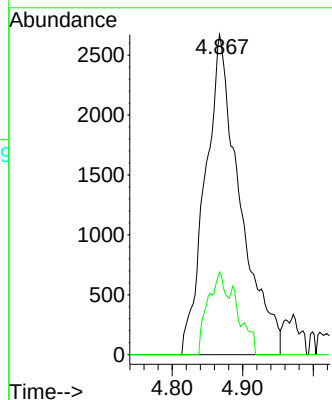
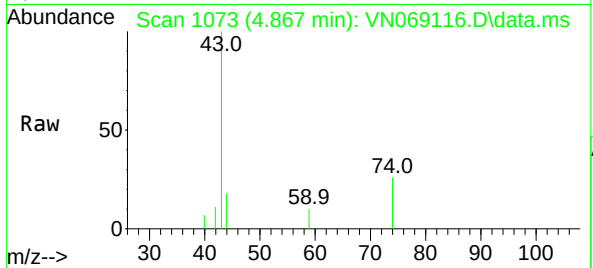




#18
Methyl Acetate
Concen: 1.483 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

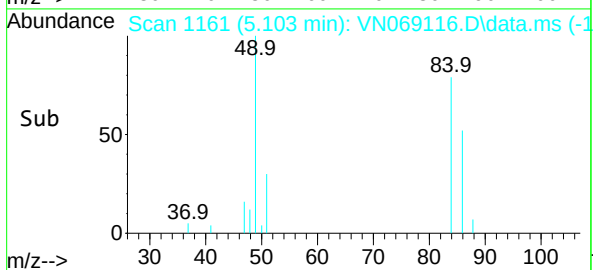
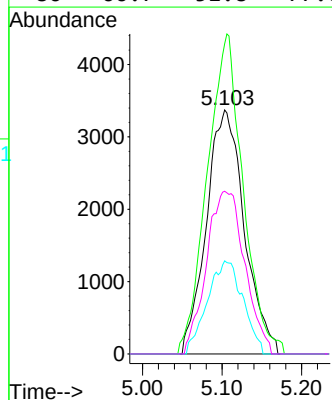
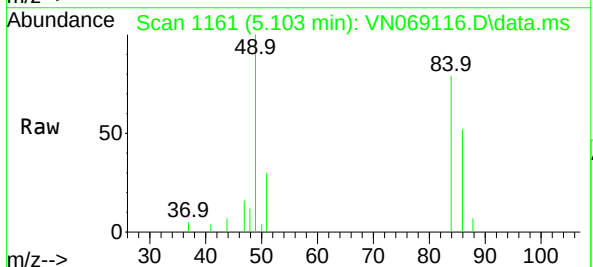
Instrument :
MSVOA_N
ClientSampled :

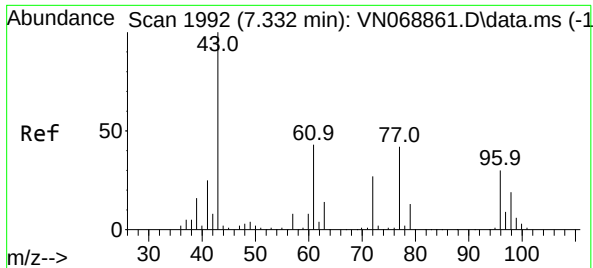
Tgt Ion: 43 Resp: 9130
Ion Ratio Lower Upper
43 100
74 13.9 18.9 28.3#



#20
Methylene Chloride
Concen: 2.991 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 84 Resp: 11171
Ion Ratio Lower Upper
84 100
49 122.6 97.6 146.4
51 38.1 30.3 45.5
86 66.7 51.8 77.6

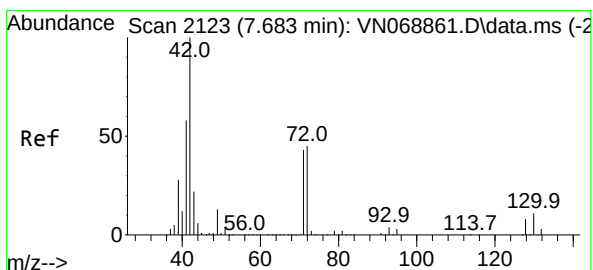
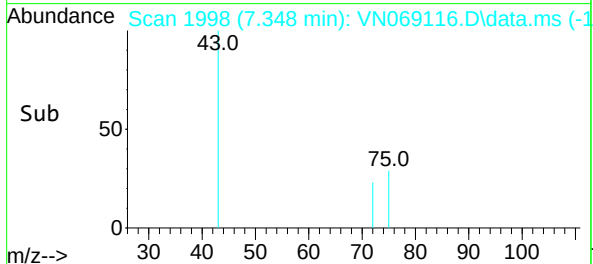
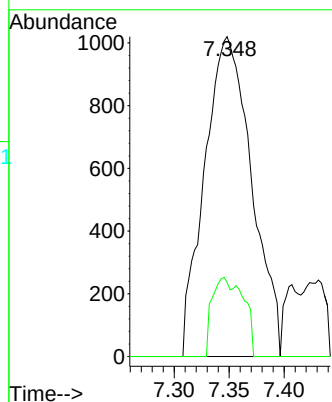
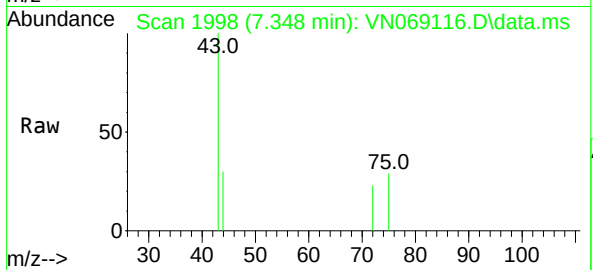




#25
2-Butanone
Concen: 1.240 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

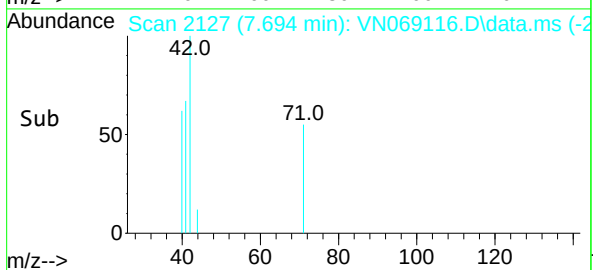
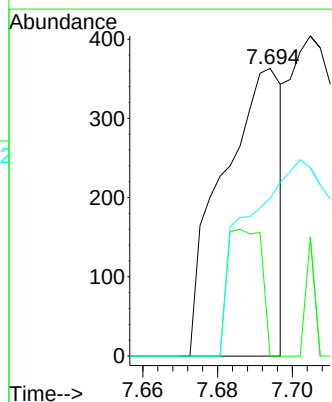
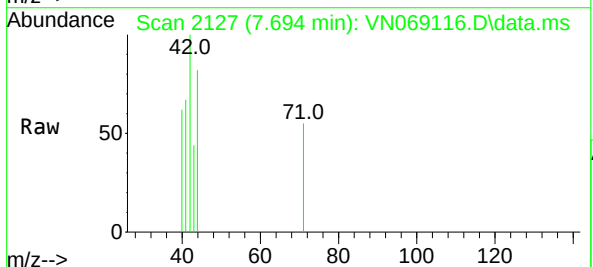
Instrument :
MSVOA_N
ClientSampled :

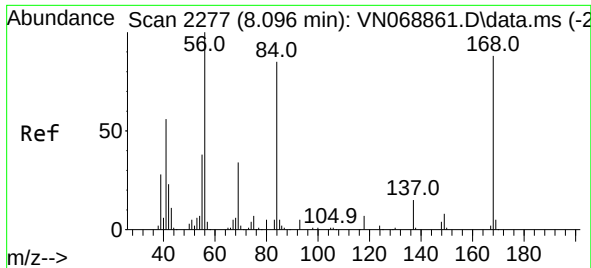
Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
72 23.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.250 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.011 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 42 Resp: 398
Ion Ratio Lower Upper
42 100
72 6.0 35.4 53.2#
71 98.0 33.8 50.6#

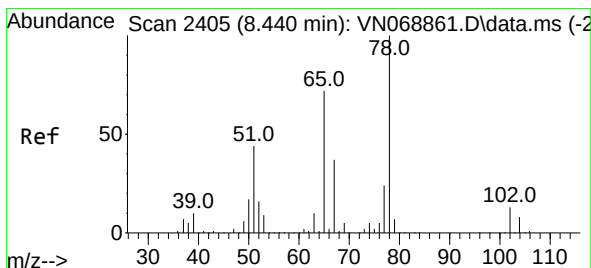
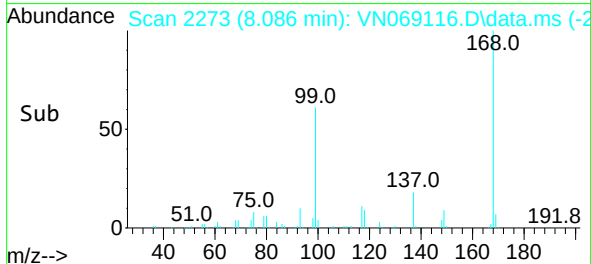
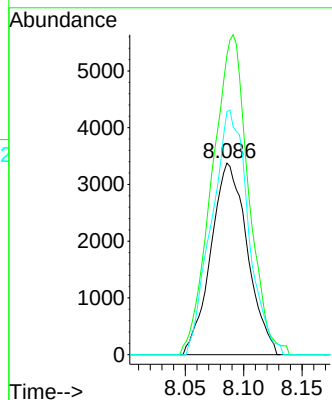
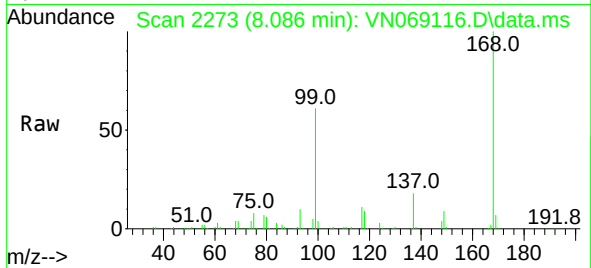




#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

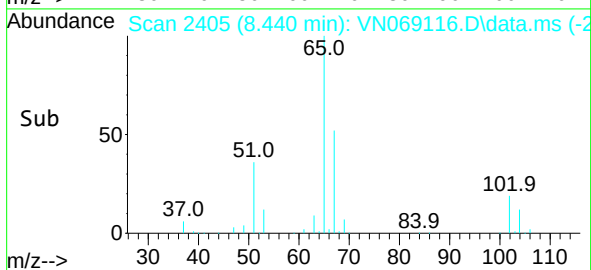
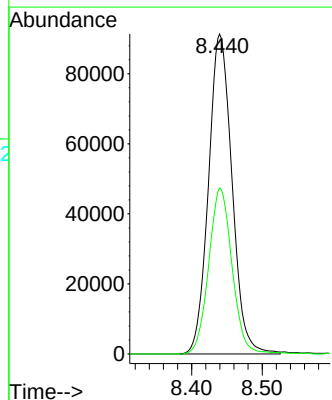
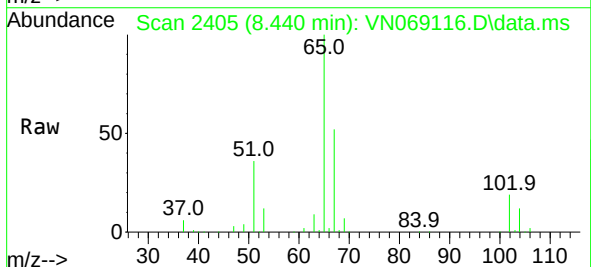
Instrument :
MSVOA_N
ClientSampled :

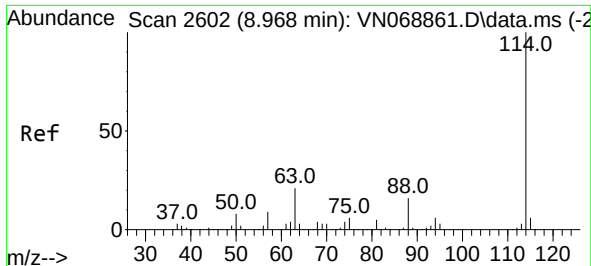
Tgt Ion: 56 Resp: 7320
Ion Ratio Lower Upper
56 100
69 156.3 26.9 40.3#
84 126.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.668 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 65 Resp: 211654
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.8

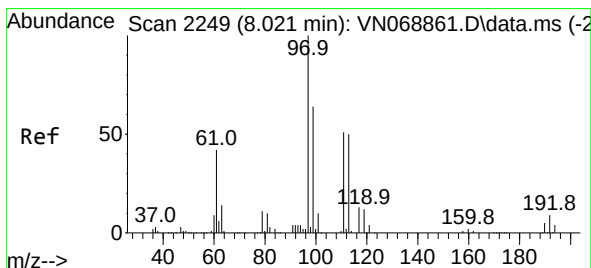
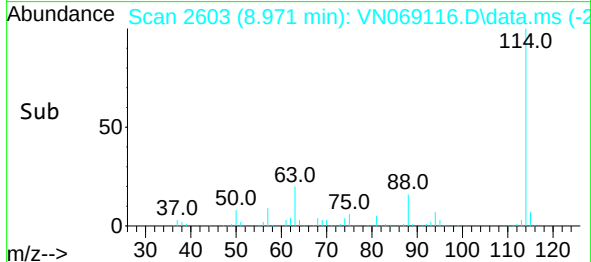
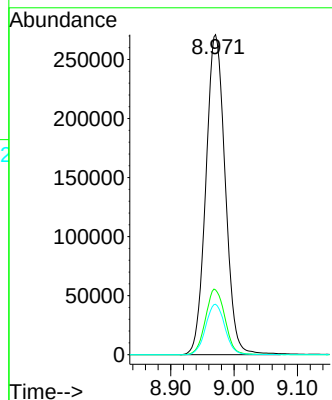
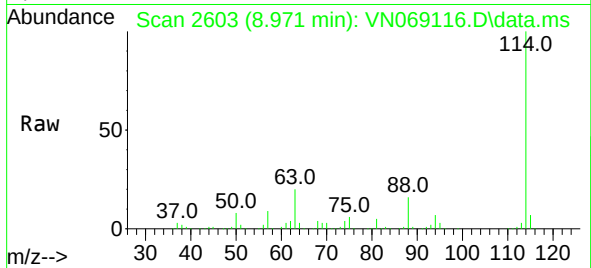




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

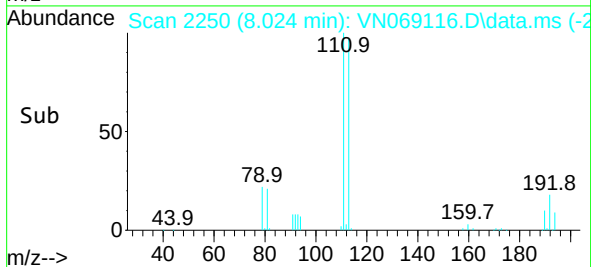
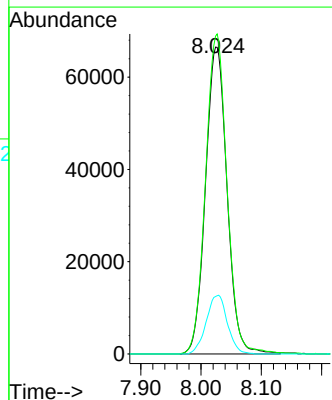
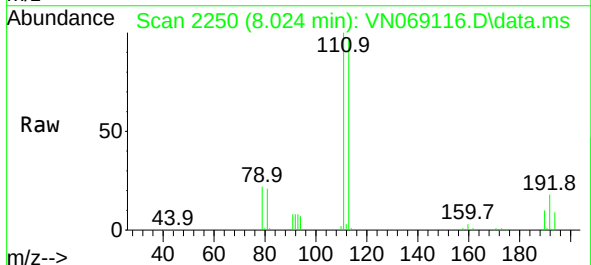
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MSVOA_N
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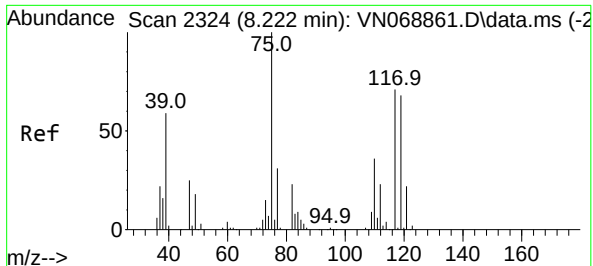
Tgt Ion:114 Resp: 574483
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.503 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion:113 Resp: 165459
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 18.8 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.413 ug/l

RT: 8.088 min Scan# 2274

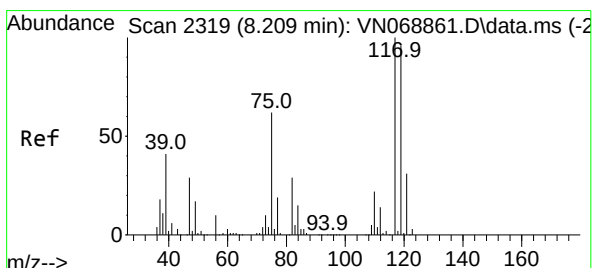
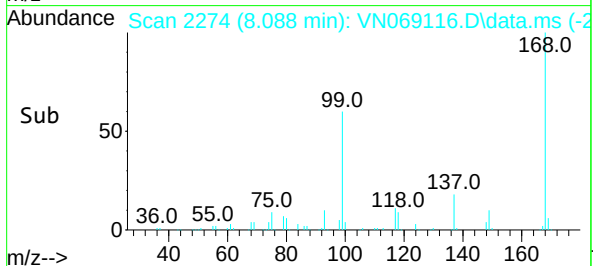
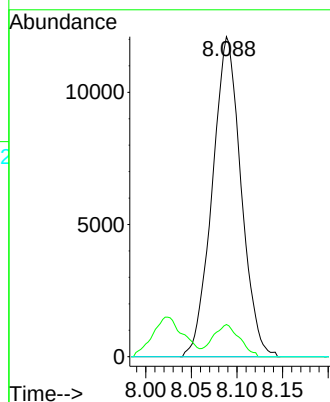
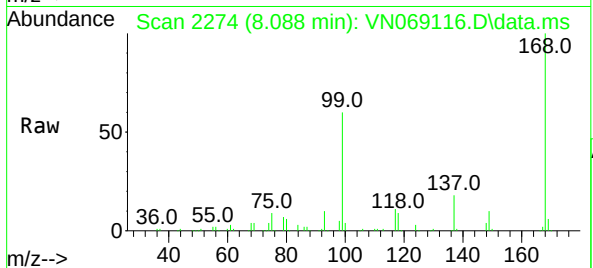
Delta R.T. -0.134 min

Lab File: VN069116.D

Acq: 22 Oct 2021 3:47

Tgt Ion: 75	Resp: 26563
Ion Ratio	Lower Upper
75 100	
110 9.3	17.9 53.8#
77 0.0	24.7 37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.411 ug/l

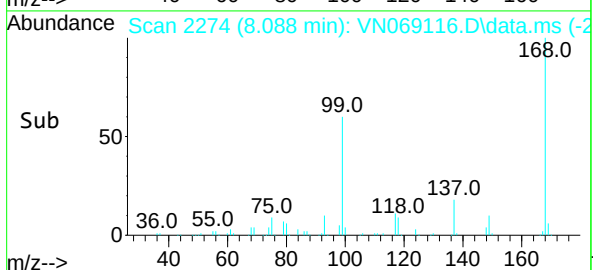
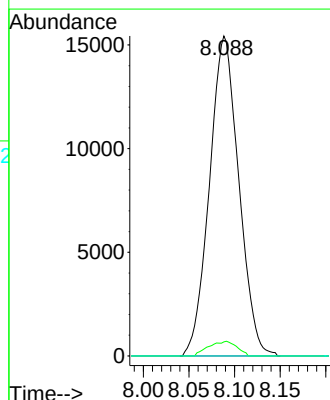
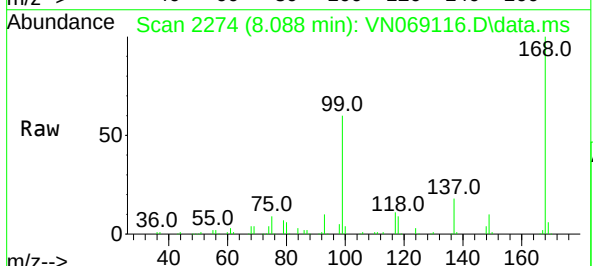
RT: 8.088 min Scan# 2274

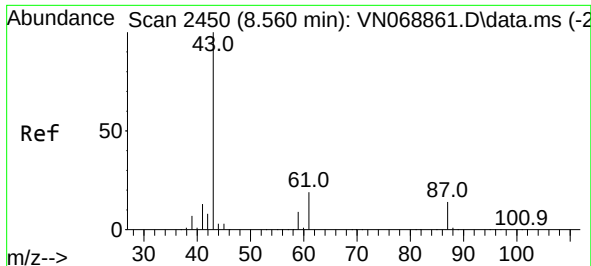
Delta R.T. -0.121 min

Lab File: VN069116.D

Acq: 22 Oct 2021 3:47

Tgt Ion: 117	Resp: 34549
Ion Ratio	Lower Upper
117 100	
119 4.4	76.9 115.3#
121 0.0	24.6 37.0#

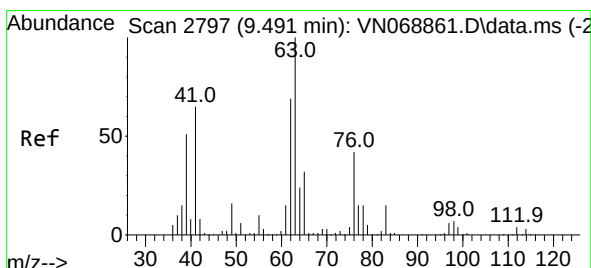
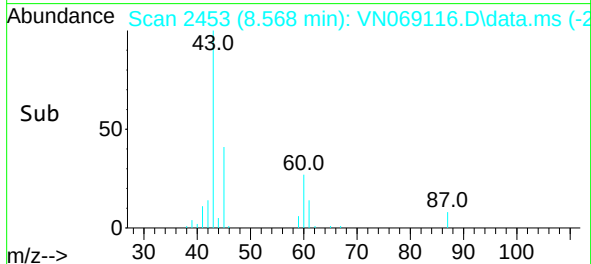
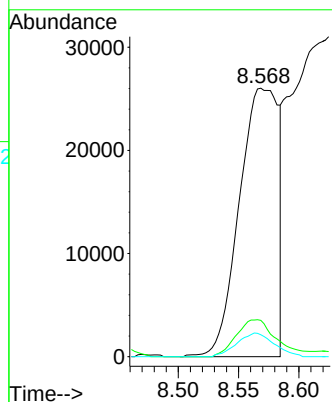
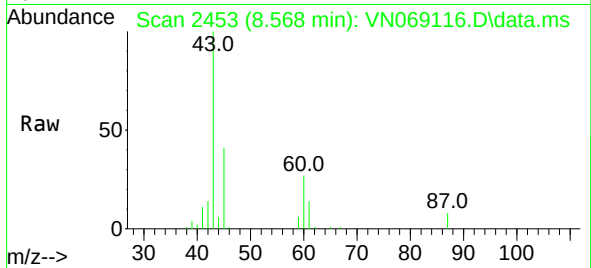




#43
Isopropyl Acetate
Concen: 6.565 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

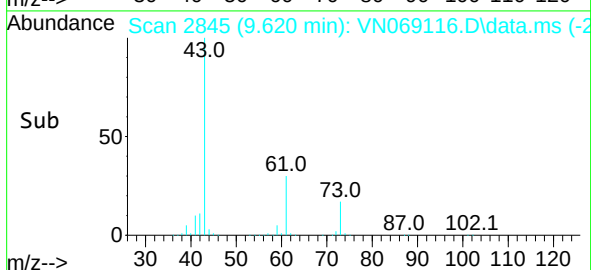
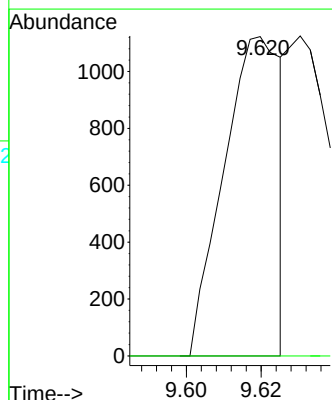
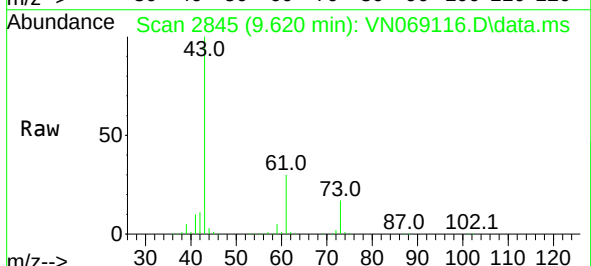
Instrument :
MSVOA_N
ClientSampled :

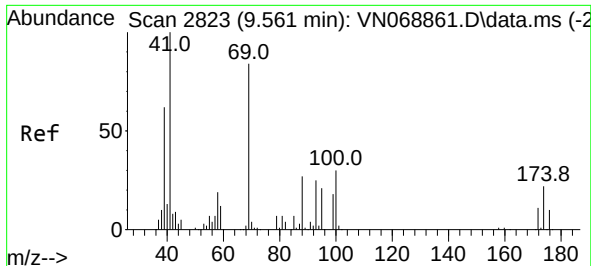
Tgt Ion: 43 Resp: 58701
Ion Ratio Lower Upper
43 100
61 14.3 20.4 30.6#
87 8.4 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.304 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 63 Resp: 1177
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

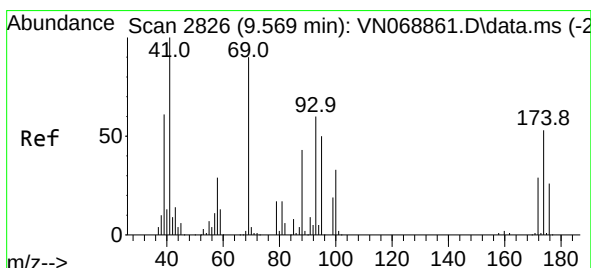
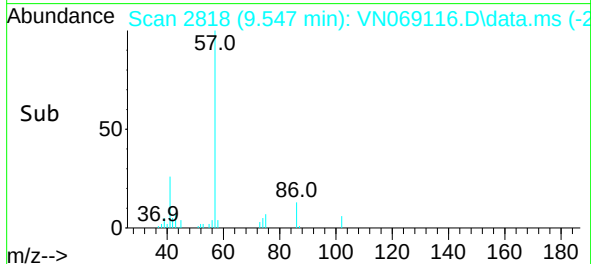
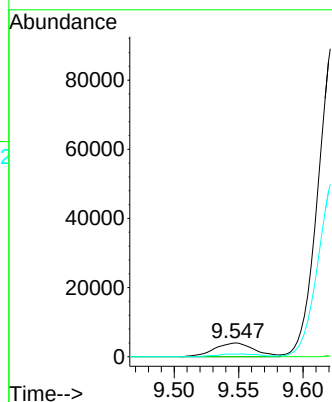
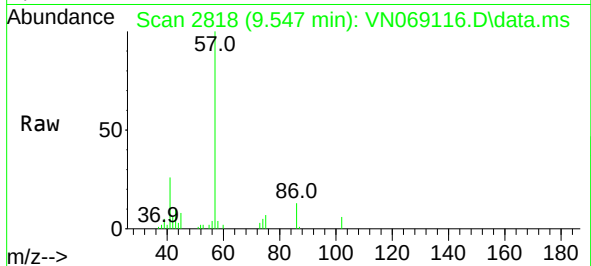




#48
Methyl methacrylate
Concen: 2.020 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

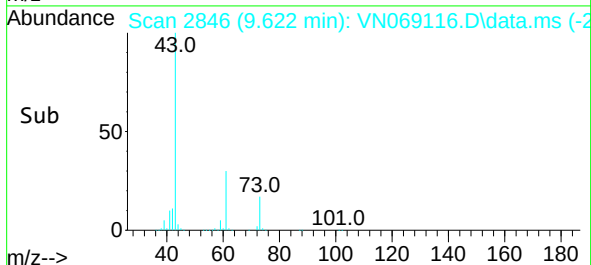
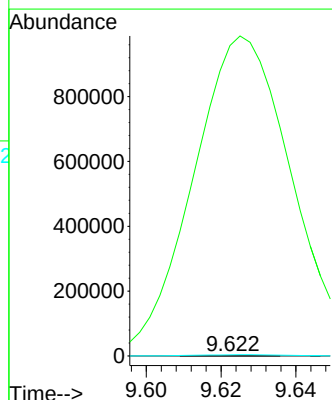
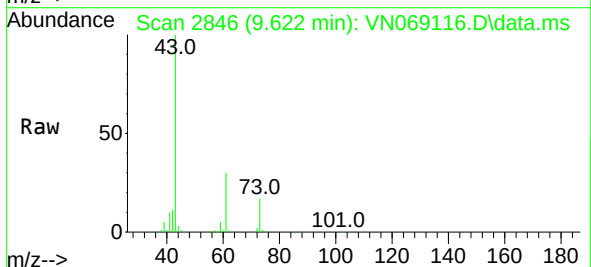
Instrument :
MSVOA_N
ClientSampled :

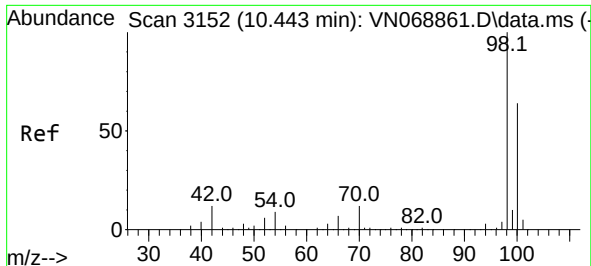
Tgt Ion: 41 Resp: 8487
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 38.201 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 88 Resp: 218
Ion Ratio Lower Upper
88 100
43 859696.3 24.9 37.3#
58 3245.9 56.9 85.3#

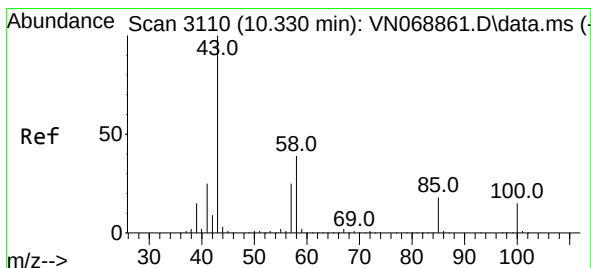
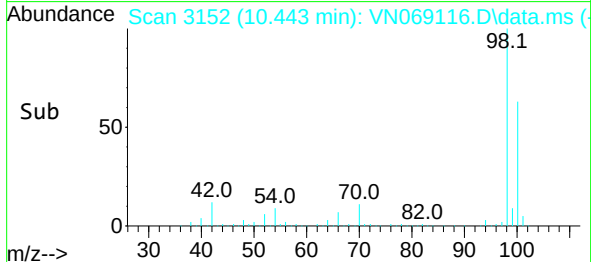
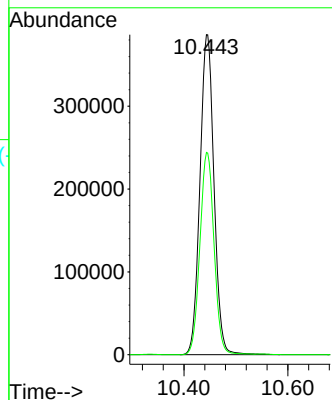
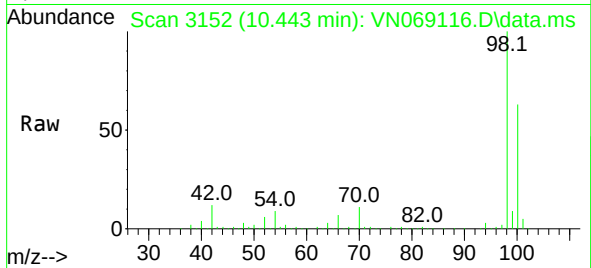




#50
Toluene-d8
Concen: 54.302 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

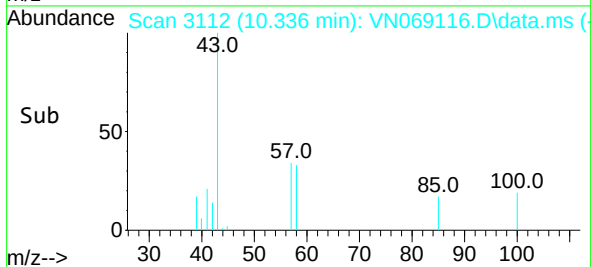
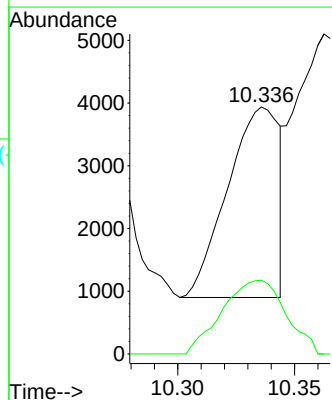
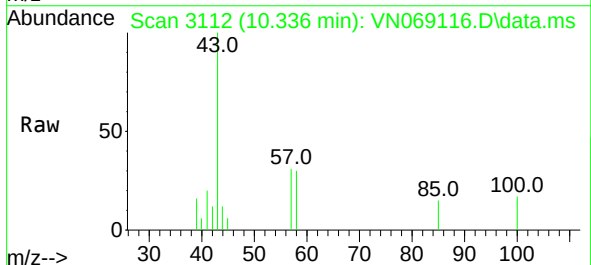
Instrument :
MSVOA_N
ClientSampled :

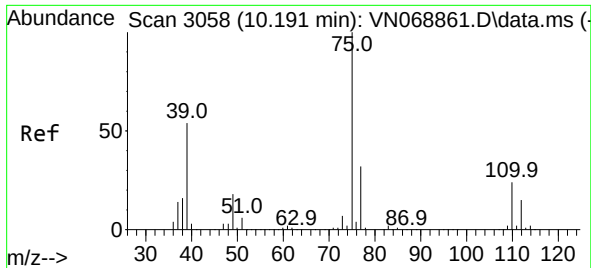
Tgt Ion: 98 Resp: 726209
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.898 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 43 Resp: 4655
Ion Ratio Lower Upper
43 100
58 47.6 31.0 46.4#

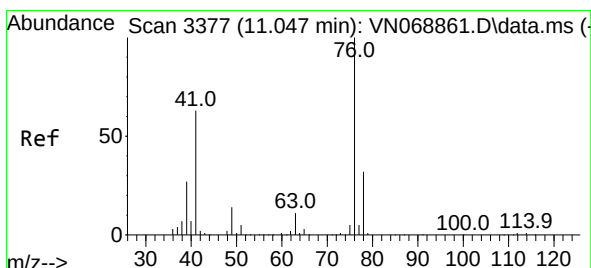
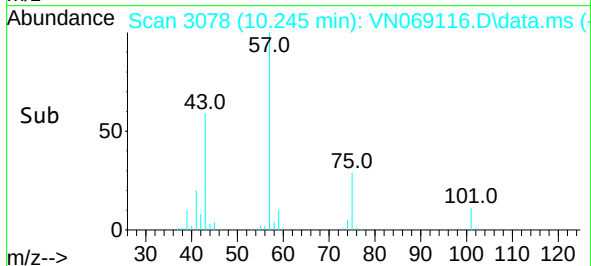
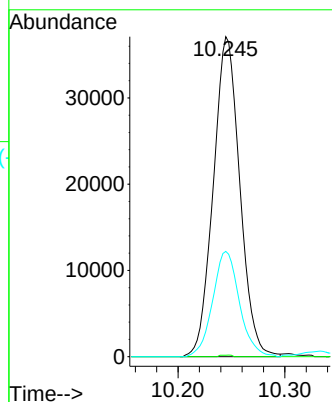
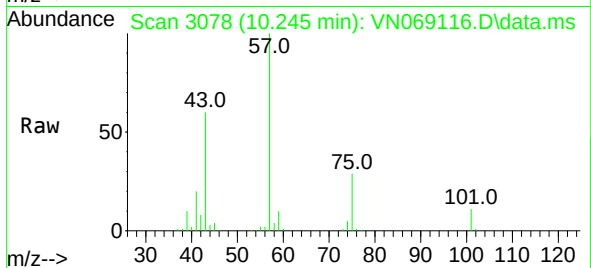




#54
cis-1,3-Dichloropropene
Concen: 9.895 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

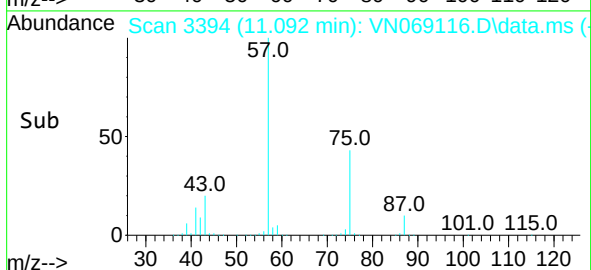
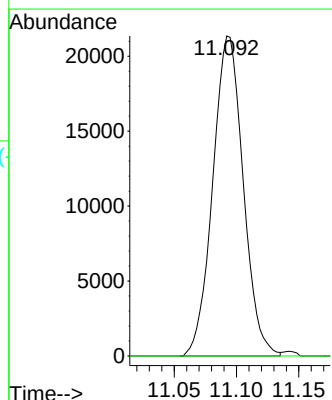
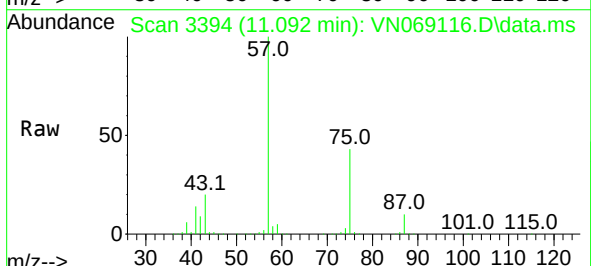
Instrument :
MSVOA_N
ClientSampled :

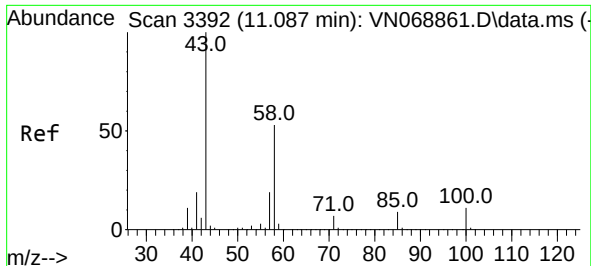
Tgt Ion: 75 Resp: 63962
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 32.9 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 5.802 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 76 Resp: 36261
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

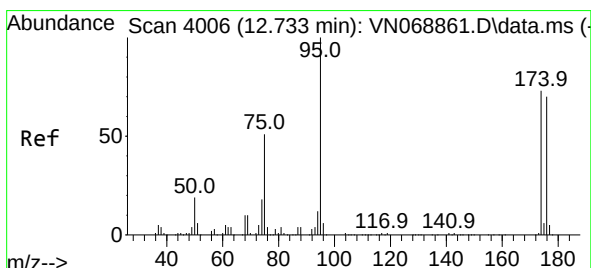
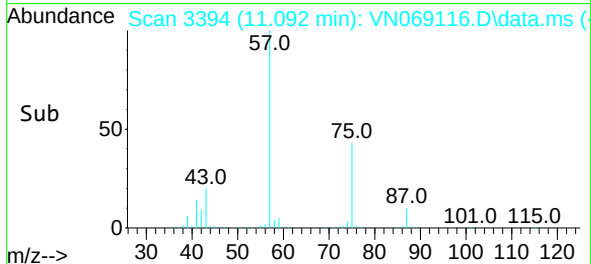
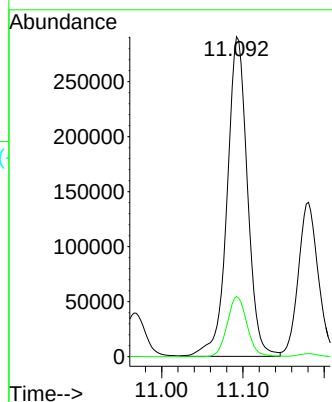
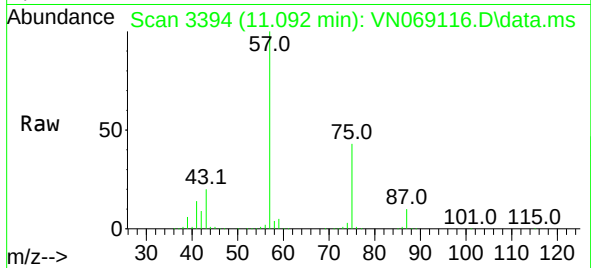




#59
2-Hexanone
Concen: 135.845 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

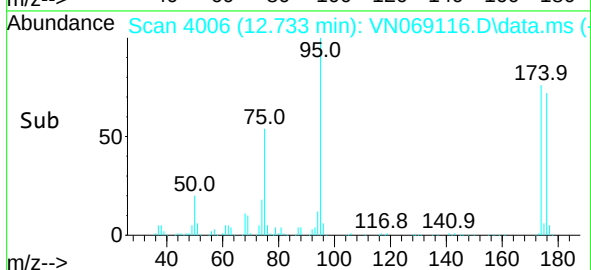
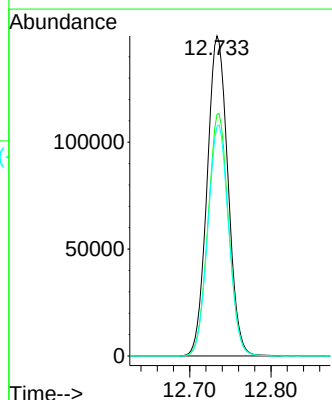
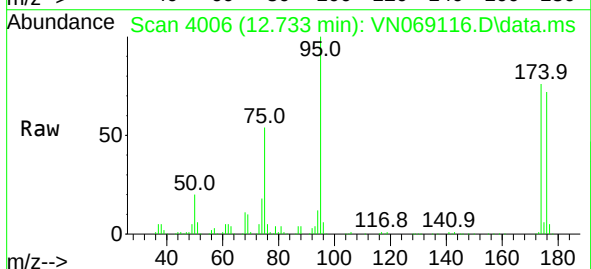
Instrument :
MSVOA_N
ClientSampleId :

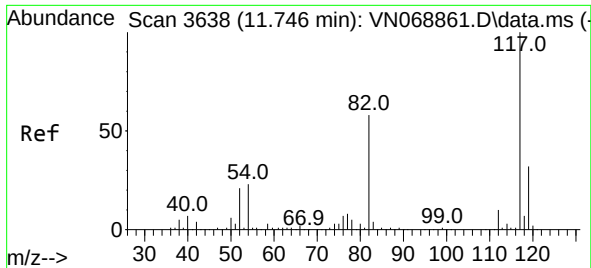
Tgt Ion: 43 Resp: 505102
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 52.732 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion: 95 Resp: 266067
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.8
176 72.3 0.0 140.0

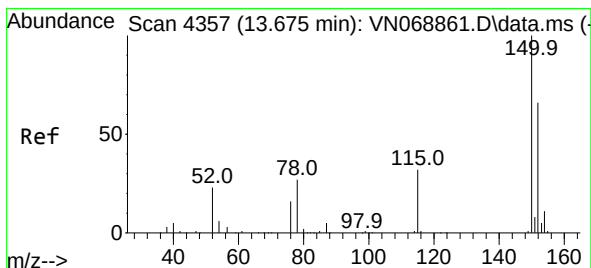
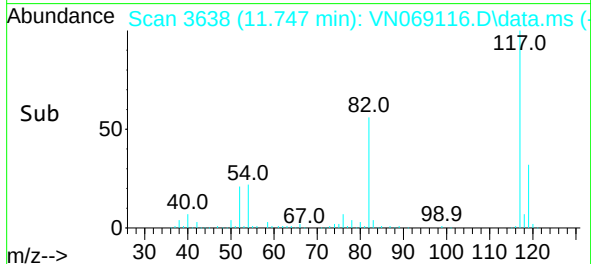
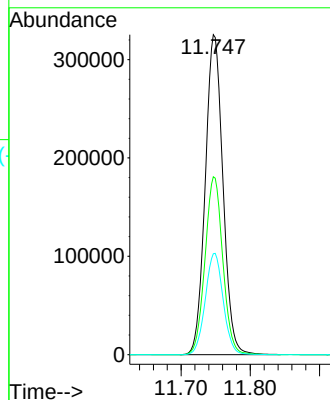
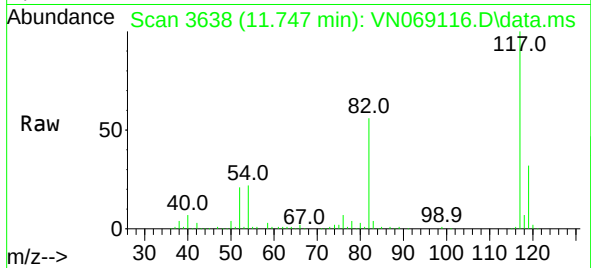




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

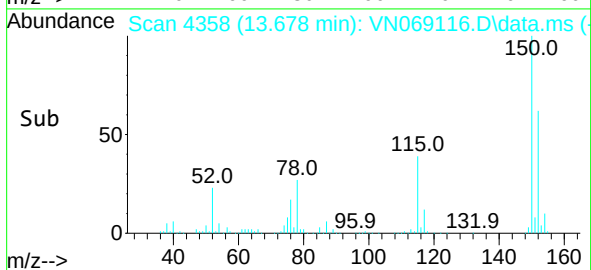
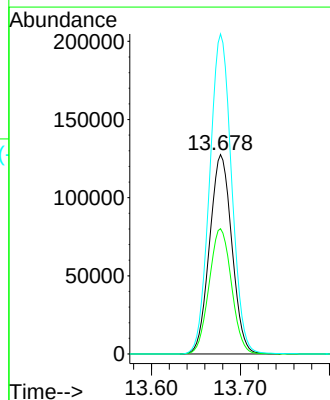
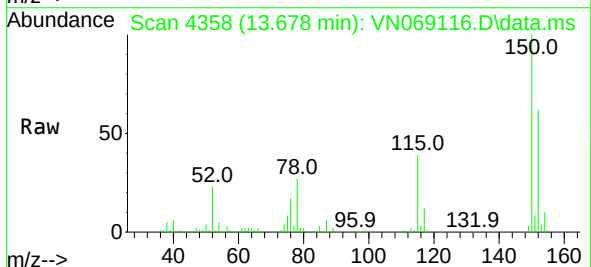
Instrument :
MSVOA_N
ClientSampleId :

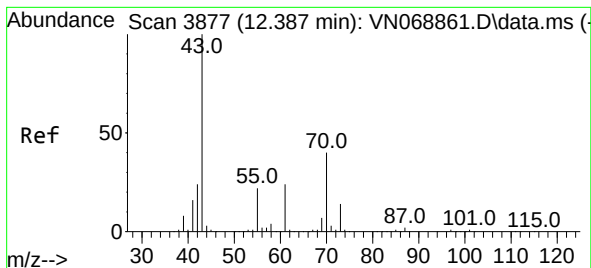
Tgt Ion:117 Resp: 577646
Ion Ratio Lower Upper
117 100
82 55.6 46.4 69.6
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion:152 Resp: 221766
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.3
150 158.5 0.0 351.0

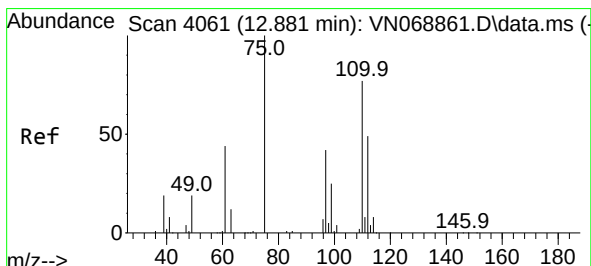
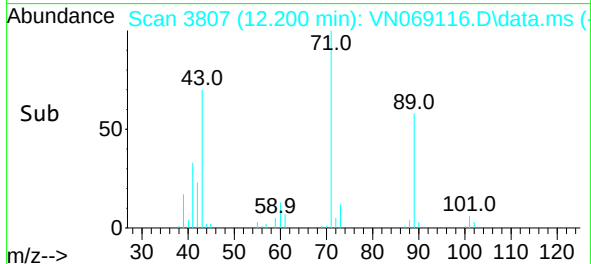
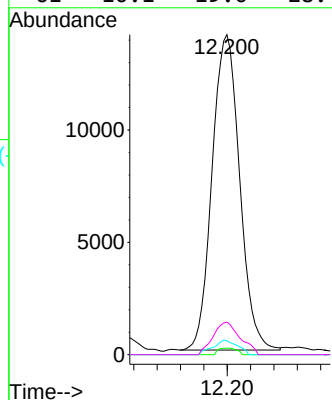
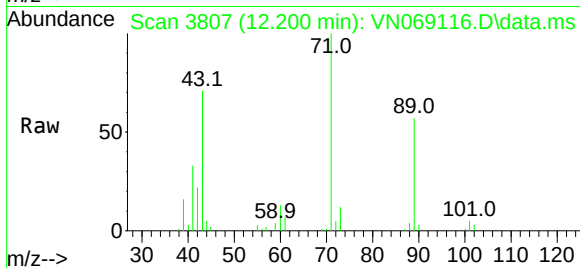




#74
N-amy1 acetate
Concen: 3.287 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.188 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

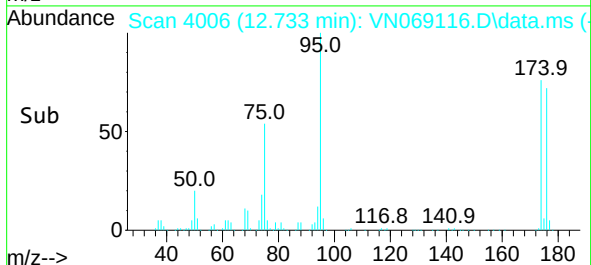
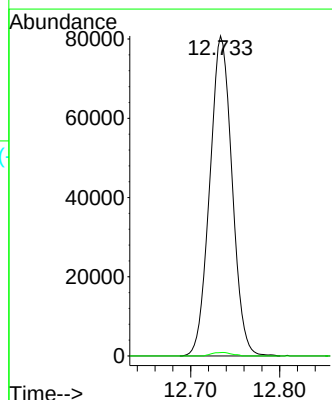
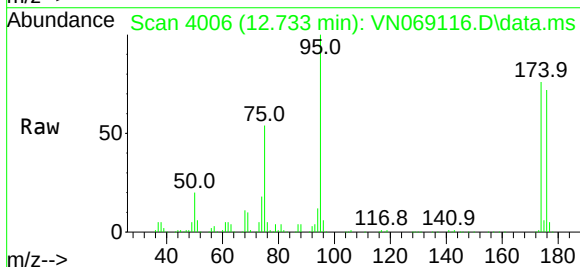
Instrument :
MSVOA_N
ClientSampled :

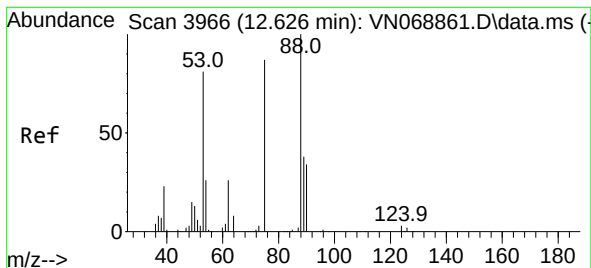
Tgt Ion:	43	Resp:	22990
Ion	Ratio	Lower	Upper
43	100		
70	1.4	32.2	48.2#
55	4.1	18.0	27.0#
61	10.1	19.0	28.4#



#76
1,2,3-Trichloropropane
Concen: 29.820 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion:	75	Resp:	140706
Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.2	288.4#

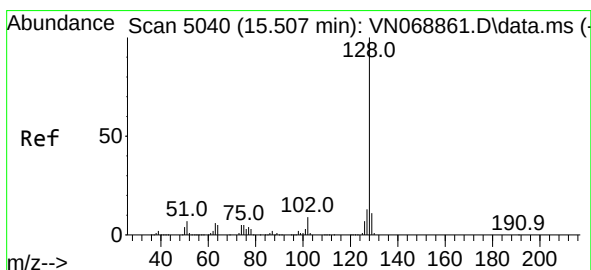
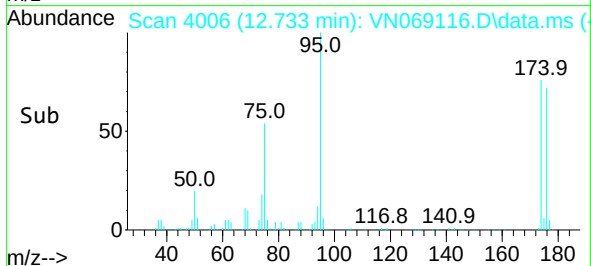
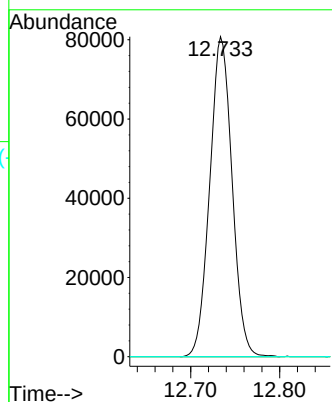
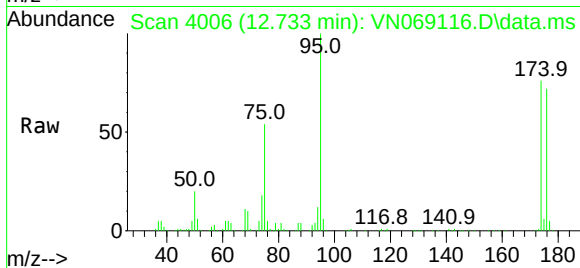




#81
trans-1,4-Dichloro-2-butene
Concen: 71.342 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 140706
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.868 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069116.D
Acq: 22 Oct 2021 3:47

Tgt Ion:128 Resp: 631
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

