

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101821\
 Data File : VN069015.D
 Acq On : 19 Oct 2021 7:05
 Operator : JC/MD
 Sample : M4242-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

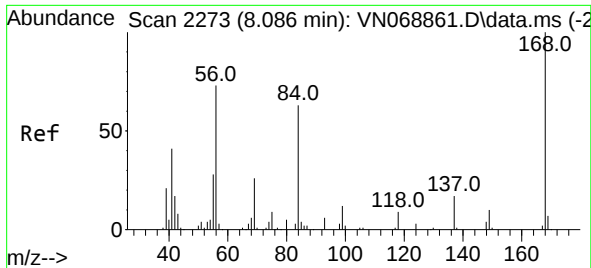
Quant Time: Oct 19 10:01:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	320242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	559282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	527903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	198662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	207929	49.246	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.500%
35) Dibromofluoromethane	8.024	113	162831	50.041	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.080%
50) Toluene-d8	10.443	98	695726	53.437	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.880%
62) 4-Bromofluorobenzene	12.734	95	244304	49.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.460%
Target Compounds						
					Qvalue	
13) Acrolein	4.044	56	79	0.231	ug/l #	13
16) Acetone	4.296	43	26206	16.632	ug/l	99
18) Methyl Acetate	4.862	43	8176	1.368	ug/l	95
20) Methylene Chloride	5.103	84	11306	3.117	ug/l	96
25) 2-Butanone	7.340	43	6082	2.553	ug/l	91
29) Tetrahydrofuran	7.689	42	400	0.259	ug/l #	64
31) Cyclohexane	8.086	56	7453	1.135	ug/l #	8
36) 1,1-Dichloropropene	8.088	75	26064	5.456	ug/l #	49
37) Ethyl Acetate	7.340	43	6082	1.233	ug/l #	68
38) Carbon Tetrachloride	8.086	117	34049	6.490	ug/l #	16
41) Methacrylonitrile	7.705	41	538	0.216	ug/l #	25
43) Isopropyl Acetate	8.563	43	49862	5.728	ug/l #	78
45) 1,2-Dichloropropane	9.623	63	1871	0.496	ug/l #	43
48) Methyl methacrylate	9.542	41	8940	2.186	ug/l #	13
49) 1,4-Dioxane	9.620	88	53	36.275	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7597	1.505	ug/l	98
54) cis-1,3-Dichloropropene	10.242	75	52757	8.384	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	26900	4.421	ug/l #	42
59) 2-Hexanone	11.092	43	384127	106.118	ug/l #	50
74) N-amyl acetate	12.361	43	2041	0.326	ug/l #	44
76) 1,2,3-Trichloropropane	12.731	75	128030	30.289	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	128030	72.464	ug/l #	12
95) Naphthalene	15.512	128	158	3.828	ug/l #	69

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

Quant Time: Oct 19 10:01:15 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

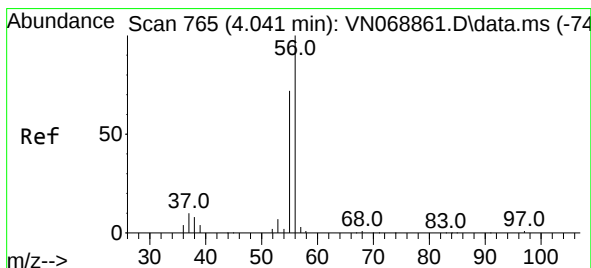
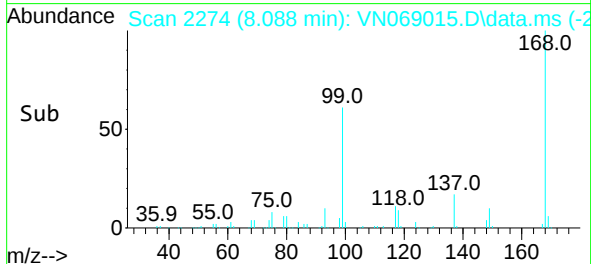
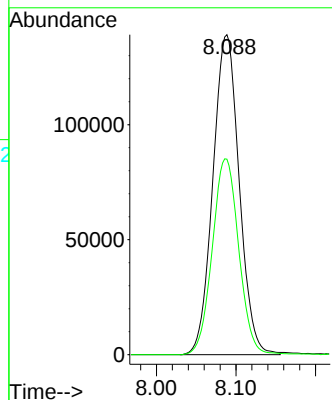
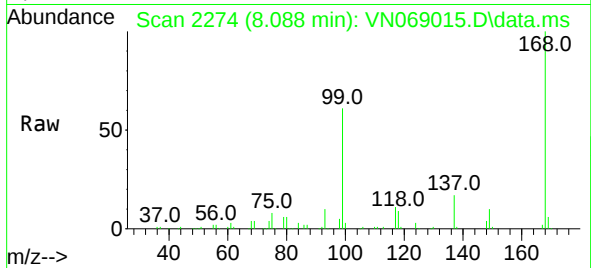




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

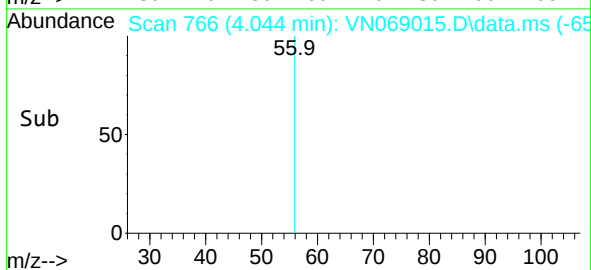
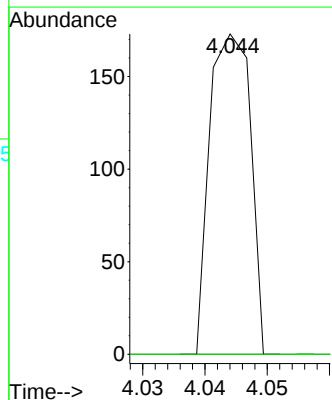
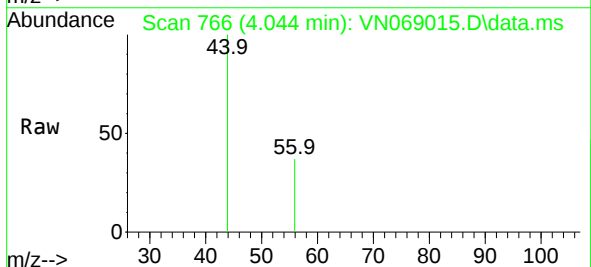
Instrument :
MSVOA_N
ClientSampleId :

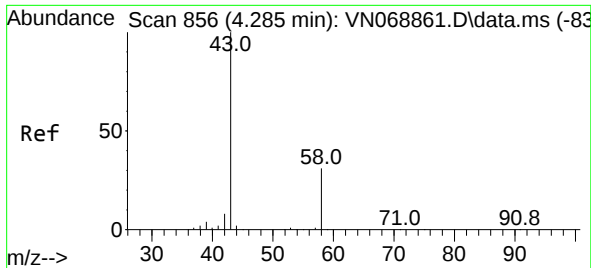
Tgt Ion:168 Resp: 320242
Ion Ratio Lower Upper
168 100
99 61.1 48.9 73.3



#13
Acrolein
Concen: 0.231 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

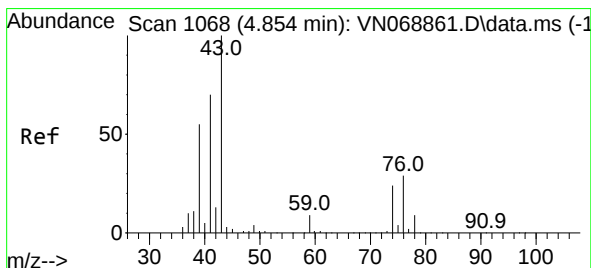
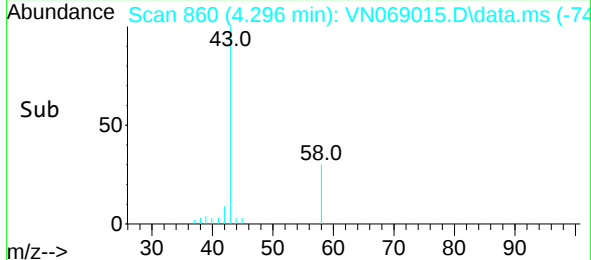
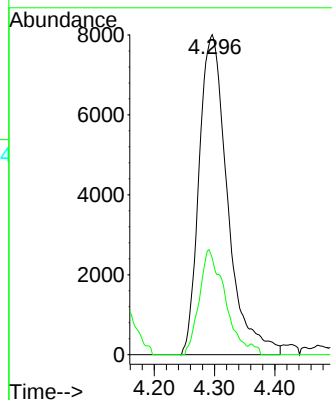
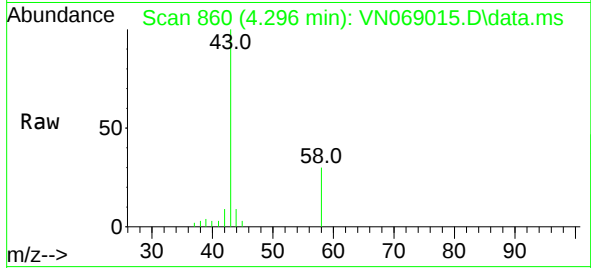




#16
Acetone
Concen: 16.632 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

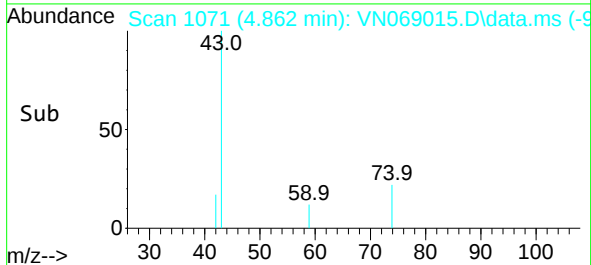
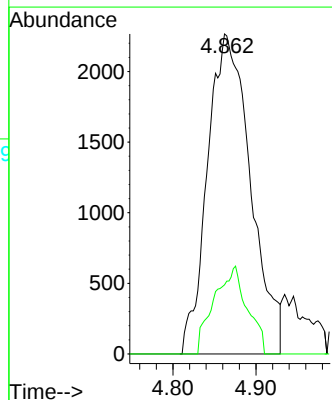
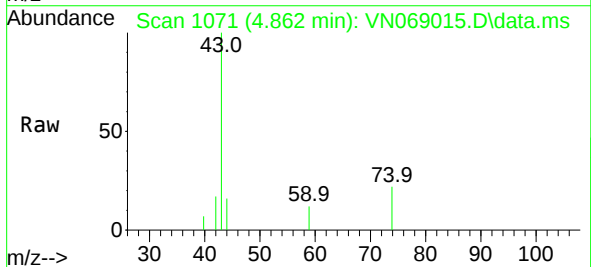
Instrument :
MSVOA_N
ClientSampled :

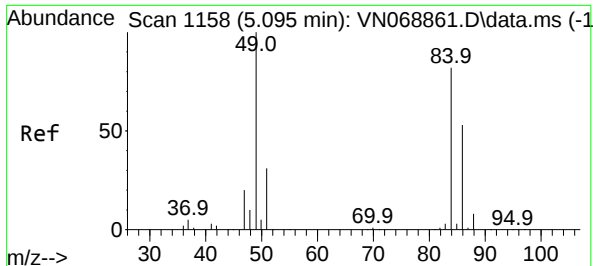
Tgt Ion: 43 Resp: 26206
Ion Ratio Lower Upper
43 100
58 30.2 24.5 36.7



#18
Methyl Acetate
Concen: 1.368 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

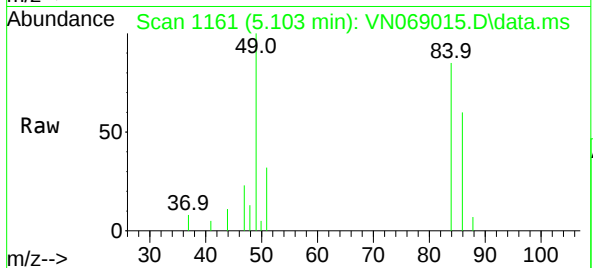
Tgt Ion: 43 Resp: 8176
Ion Ratio Lower Upper
43 100
74 21.0 18.9 28.3



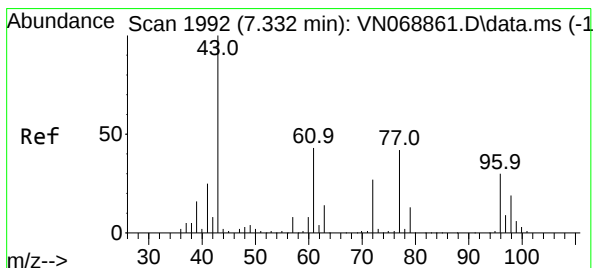
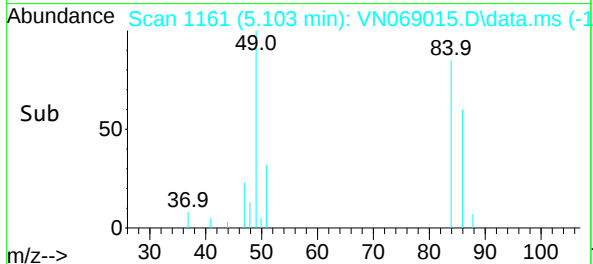
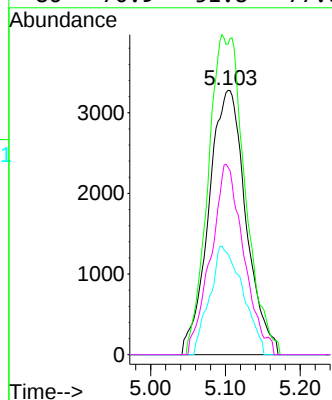


#20
Methylene Chloride
Concen: 3.117 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

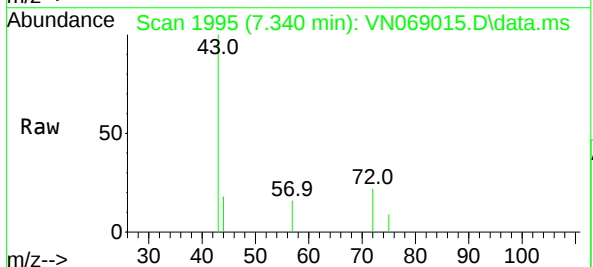
Instrument :
MSVOA_N
ClientSampleId :



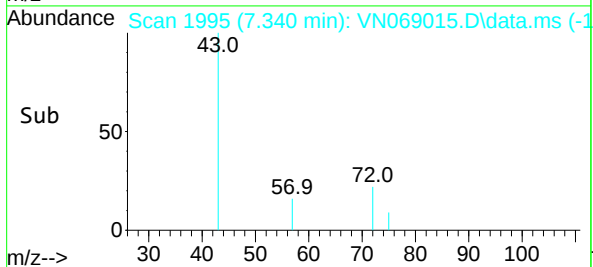
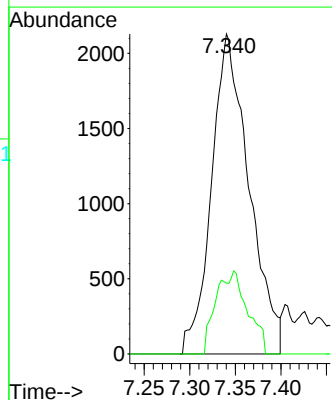
Tgt Ion:	84	Resp:	11306
Ion	Ratio	Lower	Upper
84	100		
49	117.5	97.6	146.4
51	38.1	30.3	45.5
86	70.9	51.8	77.6

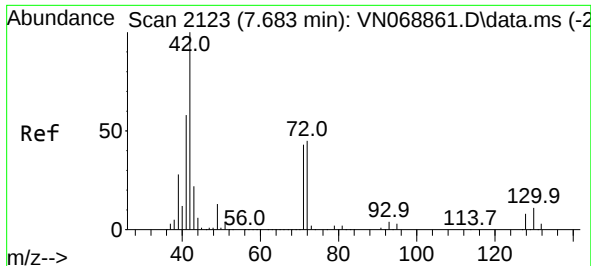


#25
2-Butanone
Concen: 2.553 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.008 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05



Tgt Ion:	43	Resp:	6082
Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.259 ug/l

RT: 7.689 min Scan# 2125

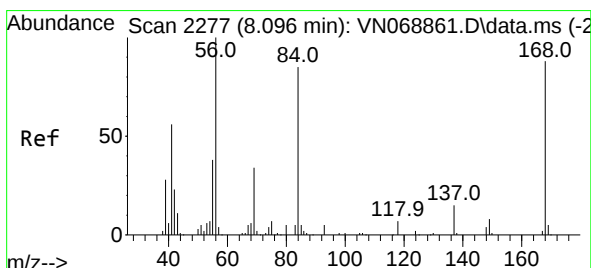
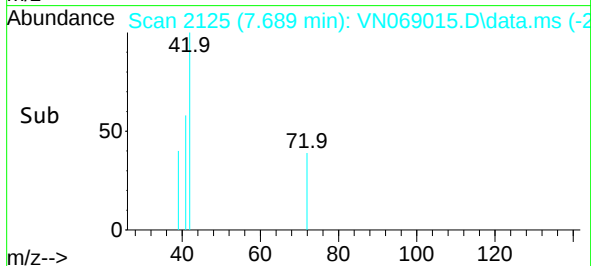
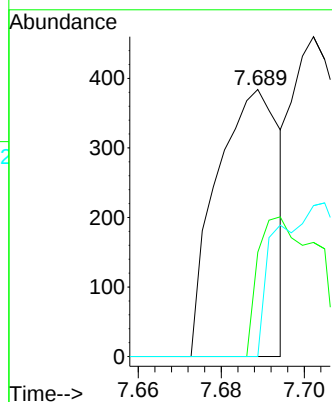
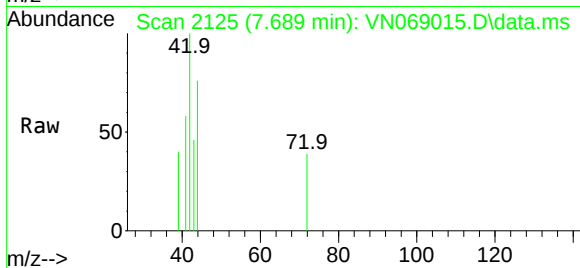
Delta R.T. 0.006 min

Lab File: VN069015.D

Acq: 19 Oct 2021 7:05

Tgt Ion:	42	Resp:	400
Ion	Ratio	Lower	Upper
42	100		
72	48.3	35.4	53.2
71	0.0	33.8	50.6#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.135 ug/l

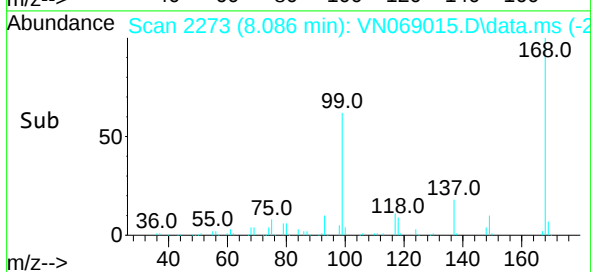
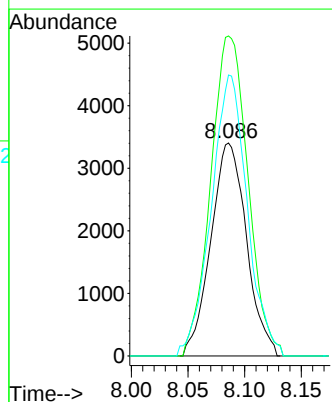
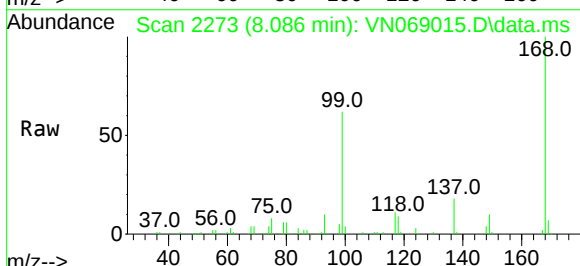
RT: 8.086 min Scan# 2273

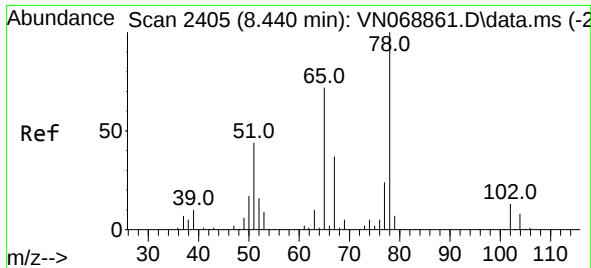
Delta R.T. -0.010 min

Lab File: VN069015.D

Acq: 19 Oct 2021 7:05

Tgt Ion:	56	Resp:	7453
Ion	Ratio	Lower	Upper
56	100		
69	150.3	26.9	40.3#
84	127.3	67.6	101.4#

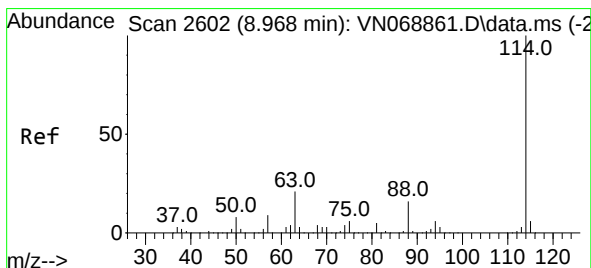
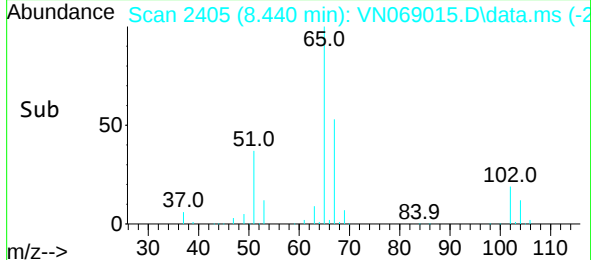
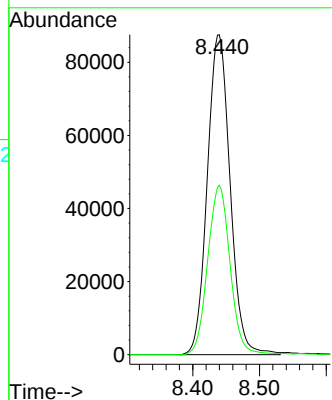
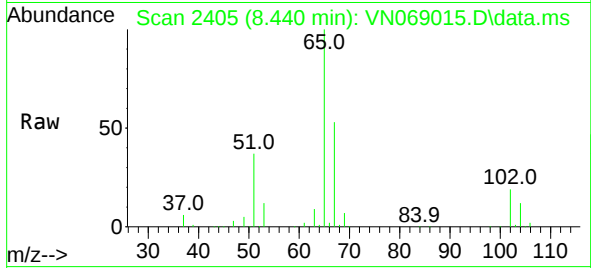




#33
 1,2-Dichloroethane-d4
 Concen: 49.246 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN069015.D
 Acq: 19 Oct 2021 7:05

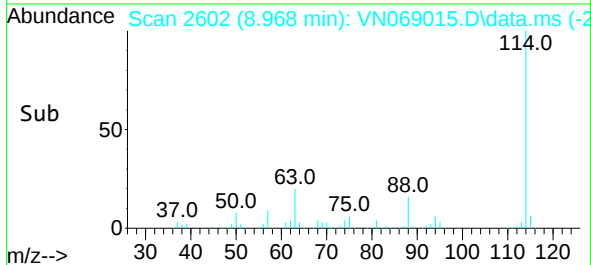
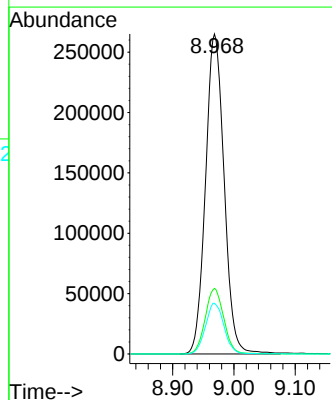
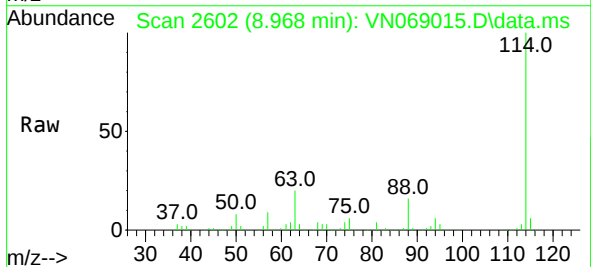
Instrument :
 MSVOA_N
 ClientSampled :

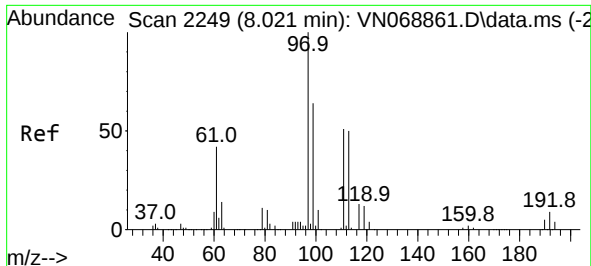
Tgt Ion: 65 Resp: 207929
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN069015.D
 Acq: 19 Oct 2021 7:05

Tgt Ion: 114 Resp: 559282
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 15.9 0.0 32.0

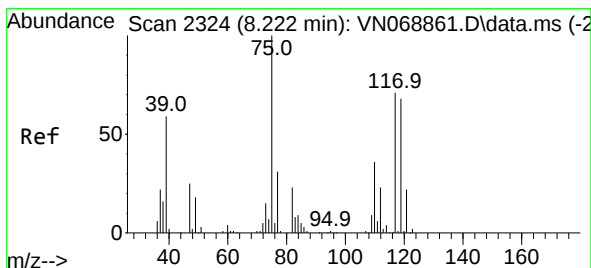
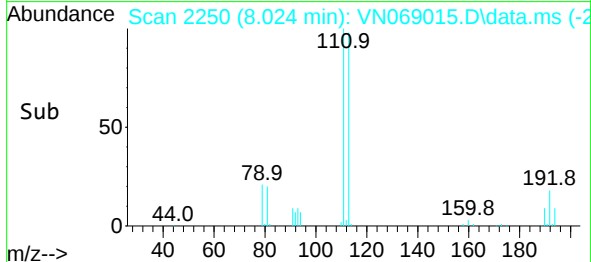
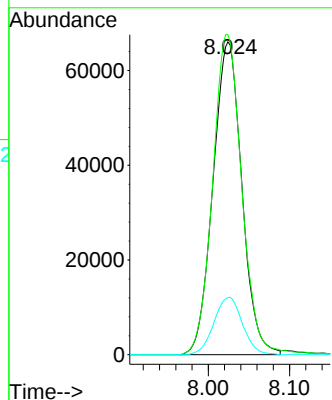
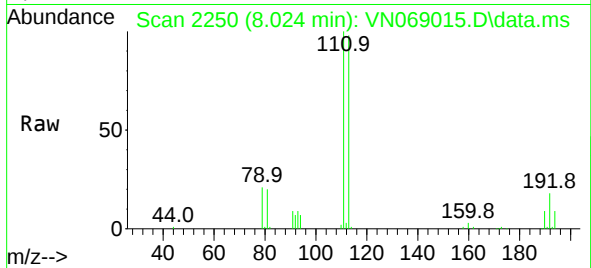




#35
Dibromofluoromethane
Concen: 50.041 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

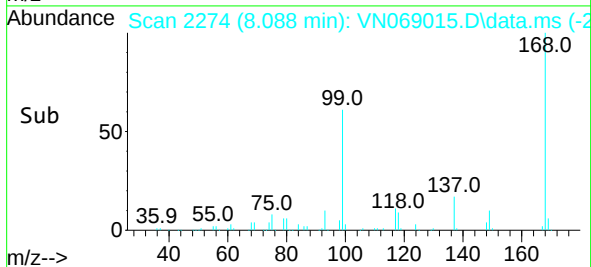
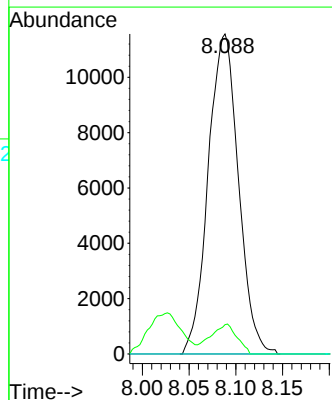
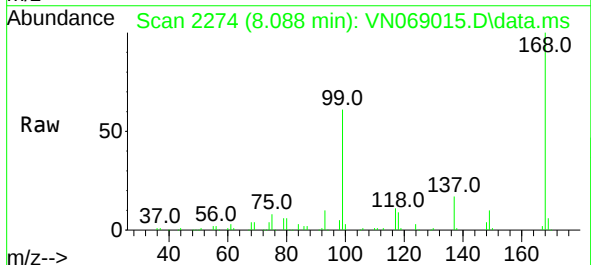
Instrument :
MSVOA_N
ClientSampled :

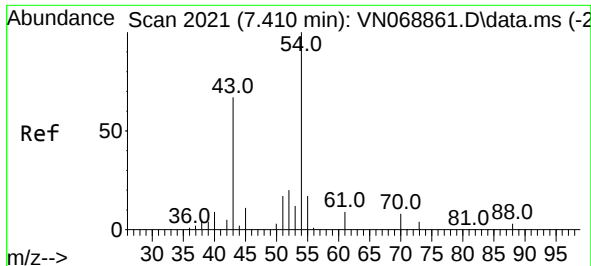
Tgt Ion:113 Resp: 162831
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.2 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.456 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

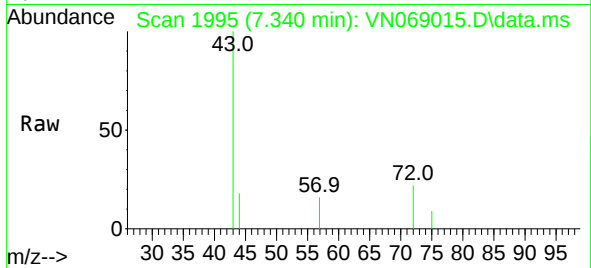
Tgt Ion: 75 Resp: 26064
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.7 37.1#



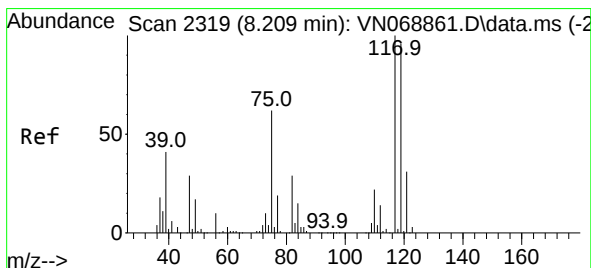
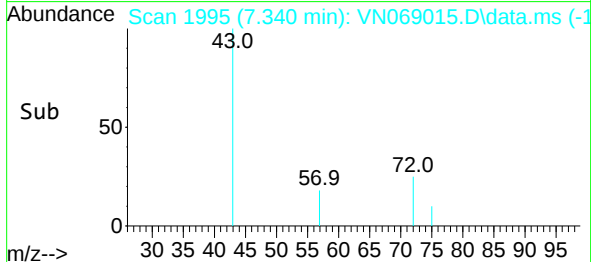
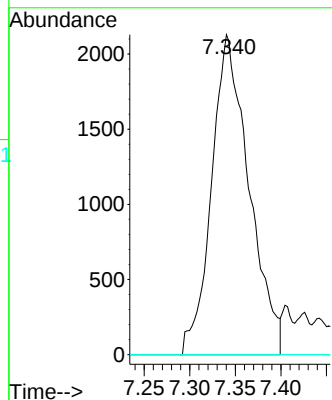


#37
Ethyl Acetate
Concen: 1.233 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Instrument :
MSVOA_N
ClientSampleId :

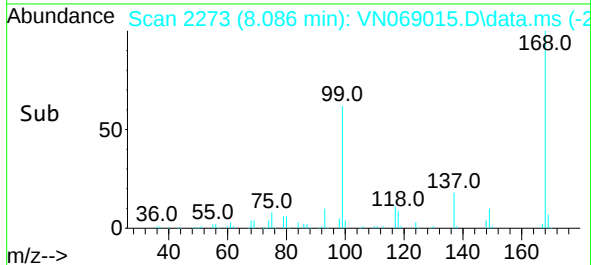
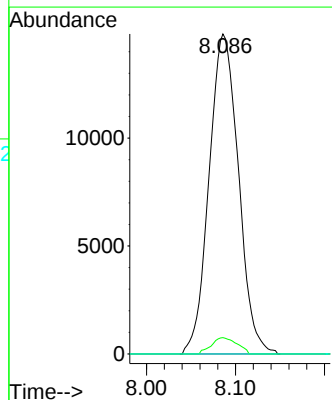
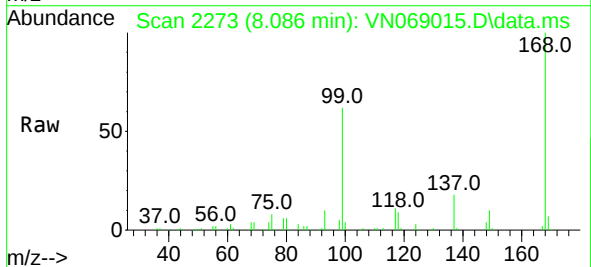


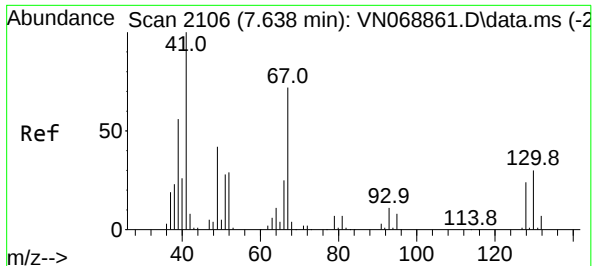
Tgt Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 6.490 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 117 Resp: 34049
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#

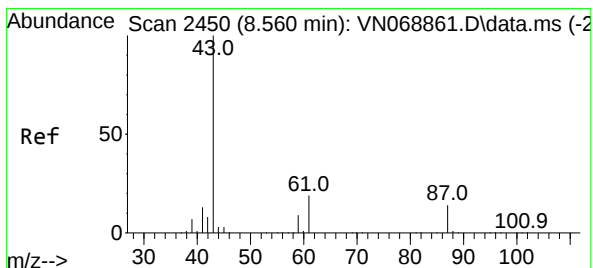
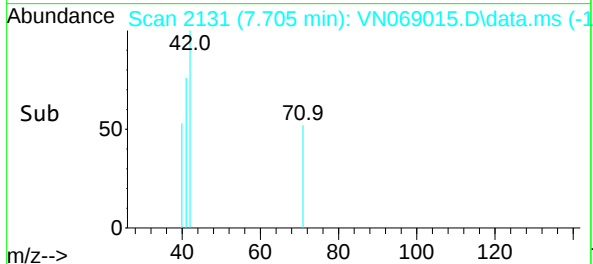
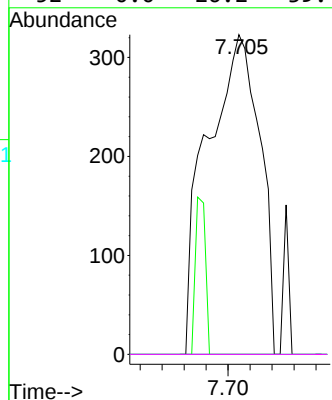
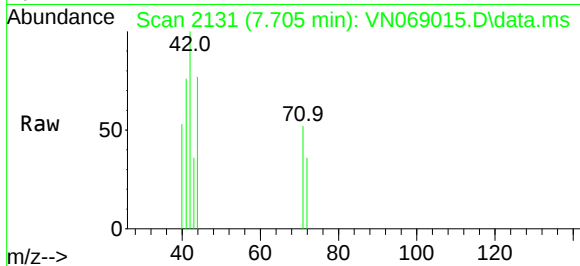




#41
Methacrylonitrile
Concen: 0.216 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

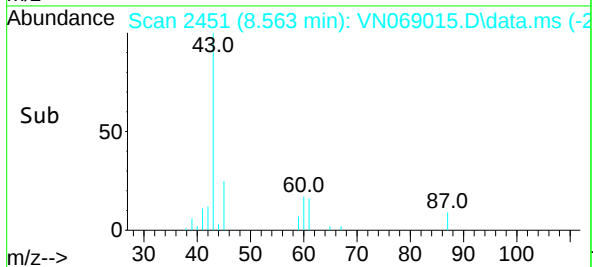
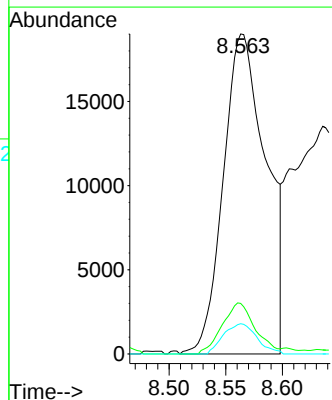
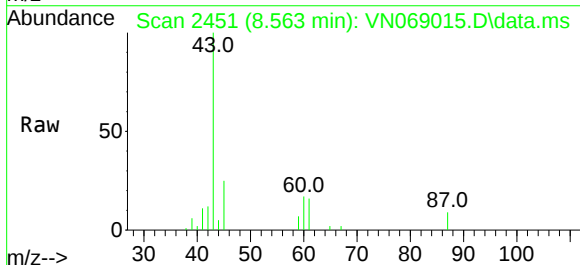
Instrument :
MSVOA_N
ClientSampleId :

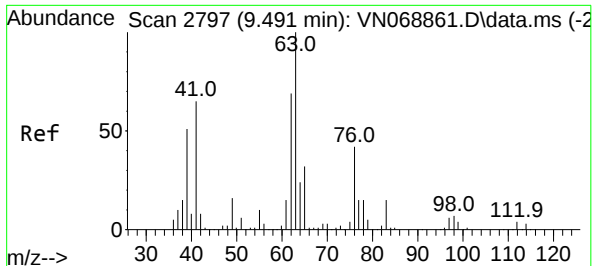
Tgt Ion: 41	Resp: 538
Ion Ratio	Lower Upper
41 100	
39 9.3	44.9 67.3#
67 0.0	62.6 93.8#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 5.728 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 43	Resp: 49862
Ion Ratio	Lower Upper
43 100	
61 12.3	20.4 30.6#
87 7.4	10.7 16.1#



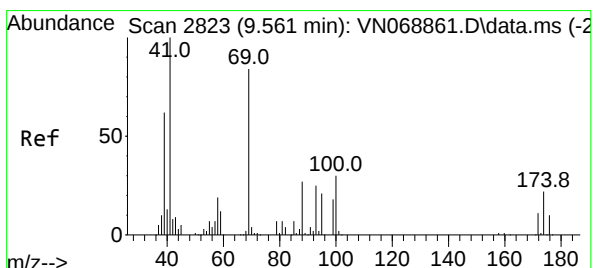
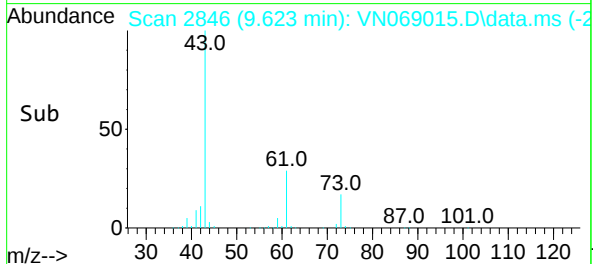
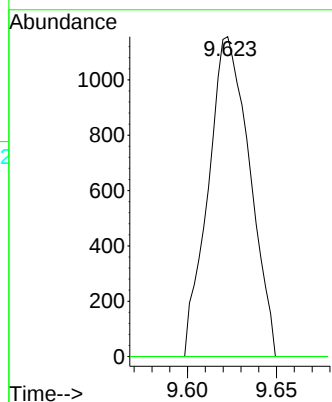
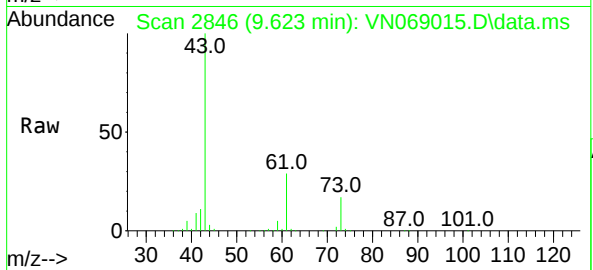


#45

1,2-Dichloropropane
Concen: 0.496 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.132 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Instrument :
MSVOA_N
ClientSampled :

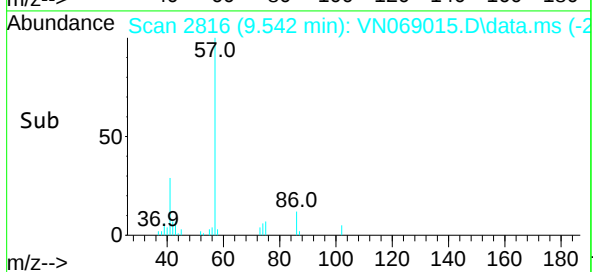
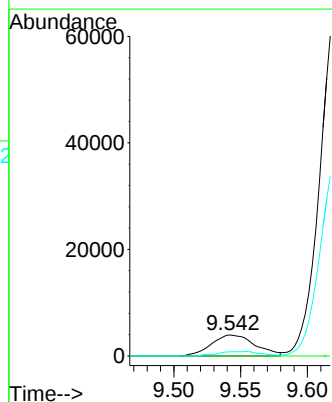
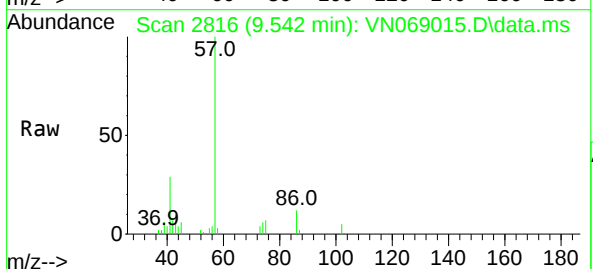
Tgt Ion: 63 Resp: 1871
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

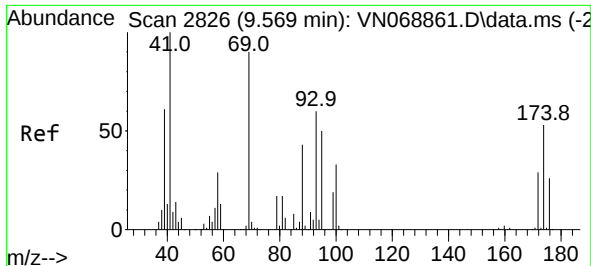


#48

Methyl methacrylate
Concen: 2.186 ug/l
RT: 9.542 min Scan# 2816
Delta R.T. -0.019 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 41 Resp: 8940
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#





#49

1,4-Dioxane

Concen: 36.275 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.051 min

Lab File: VN069015.D

Acq: 19 Oct 2021 7:05

Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

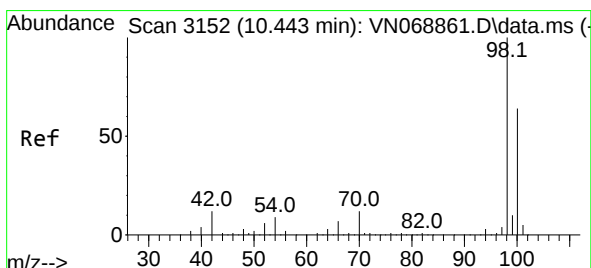
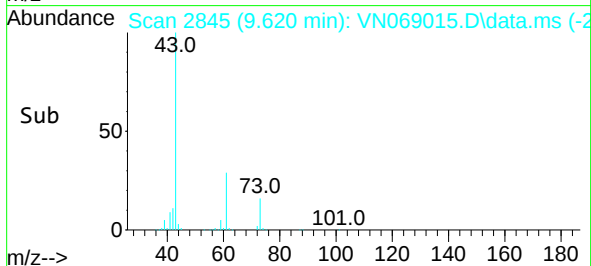
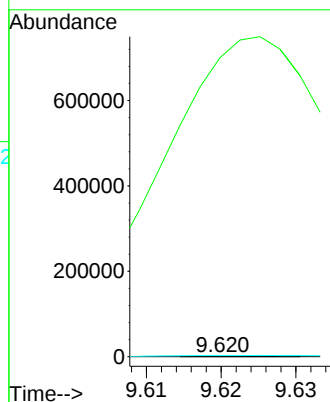
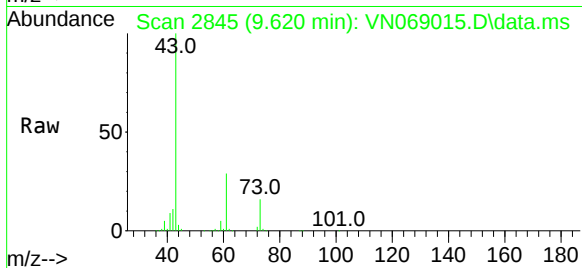
43 2707613.2 24.9 37.3#

58 10669.8 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.437 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN069015.D

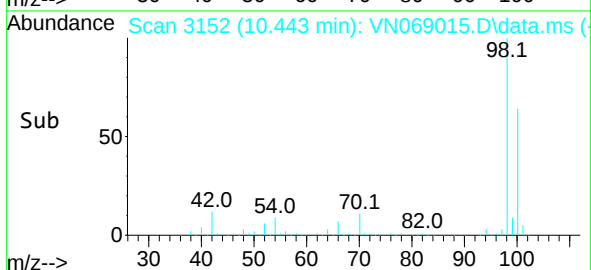
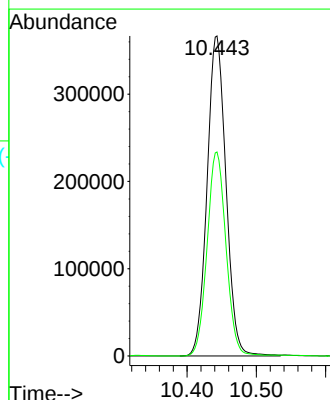
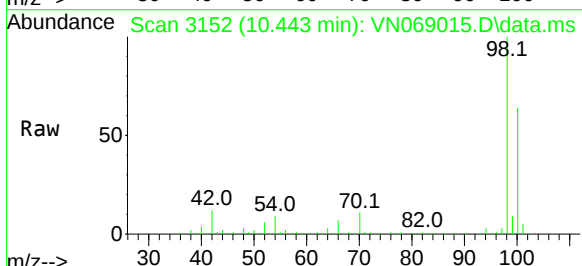
Acq: 19 Oct 2021 7:05

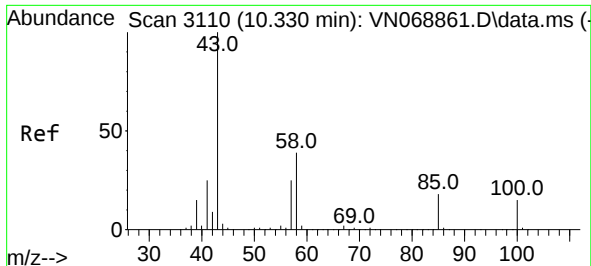
Tgt Ion: 98 Resp: 695726

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3

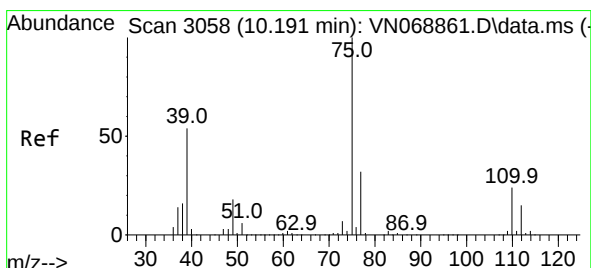
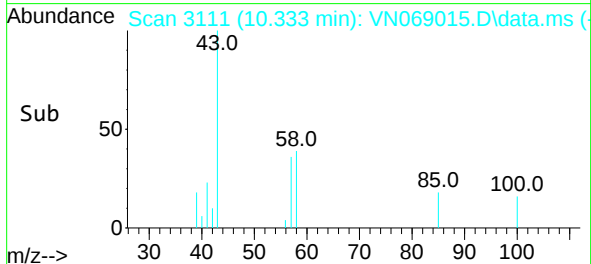
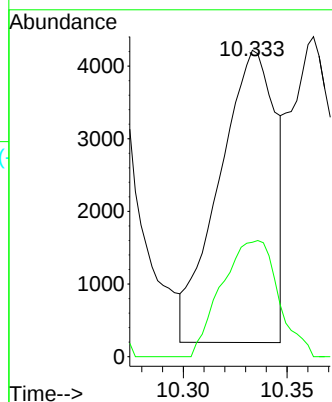
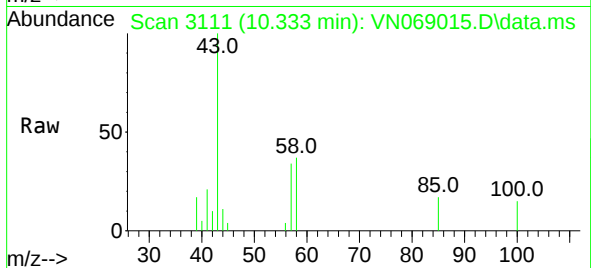




#51
4-Methyl-2-Pentanone
Concen: 1.505 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

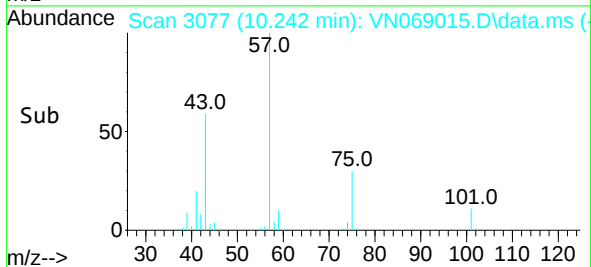
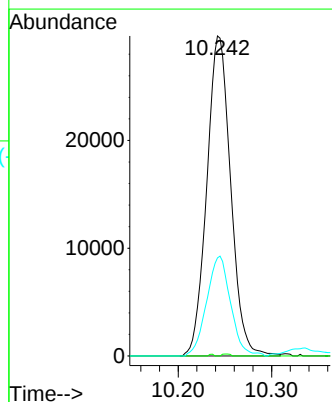
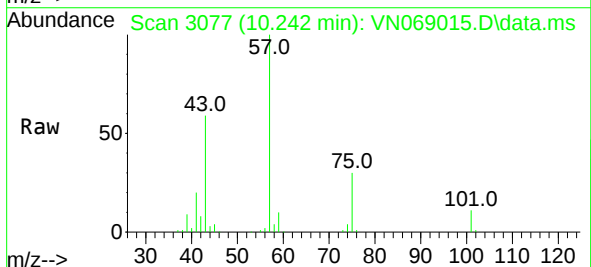
Instrument :
MSVOA_N
ClientSampled :

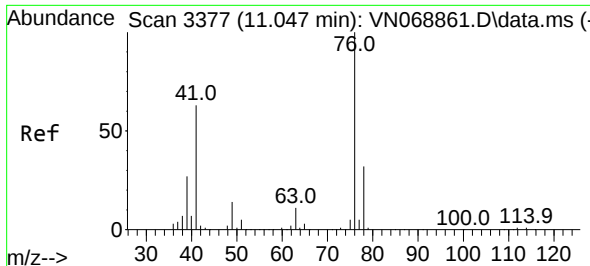
Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
58 39.9 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.384 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 75 Resp: 52757
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
39 30.7 42.9 64.3#

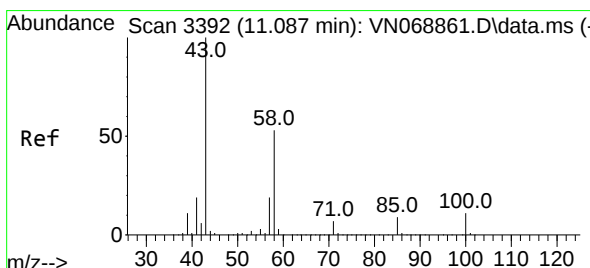
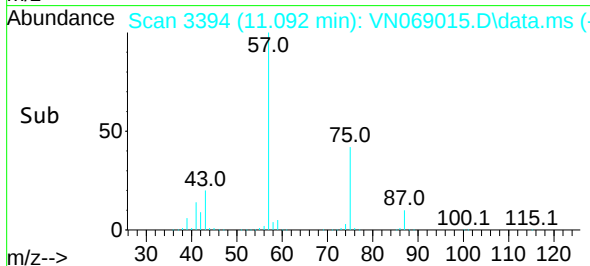
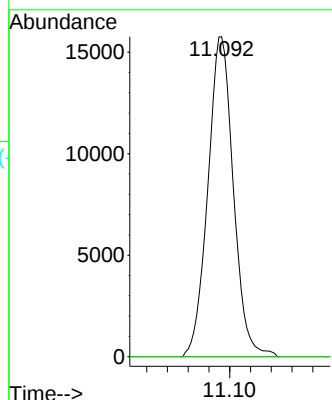
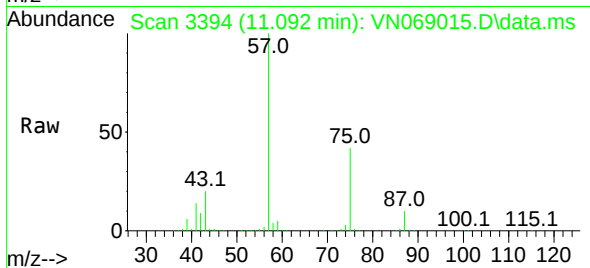




#57
1,3-Dichloropropane
Concen: 4.421 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

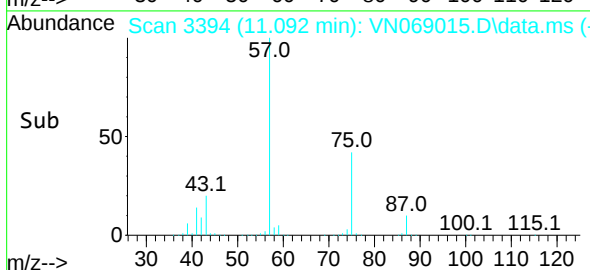
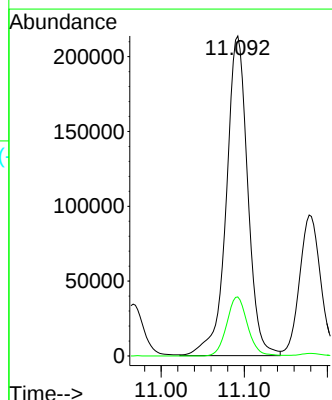
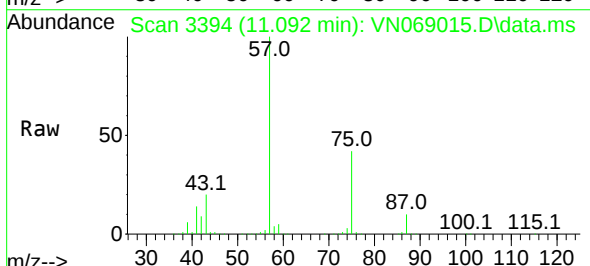
Instrument :
MSVOA_N
ClientSampleId :

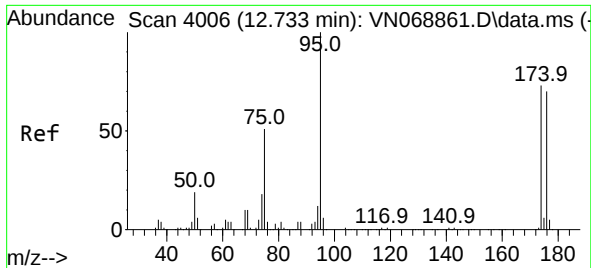
Tgt Ion: 76 Resp: 26900
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 106.118 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.006 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 43 Resp: 384127
Ion Ratio Lower Upper
43 100
58 18.0 26.9 80.7#

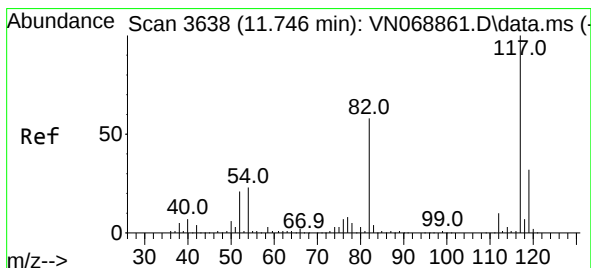
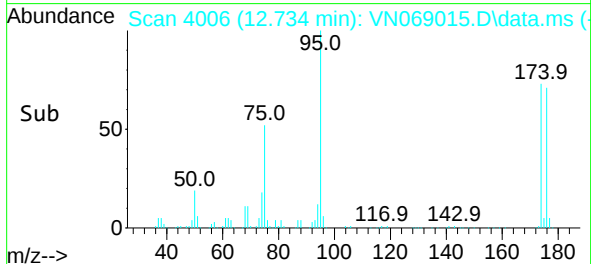
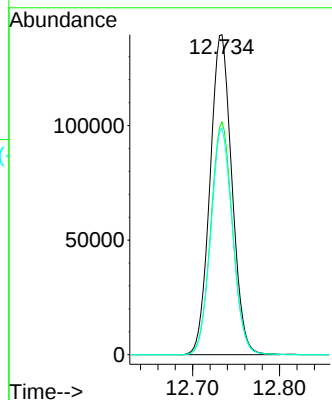
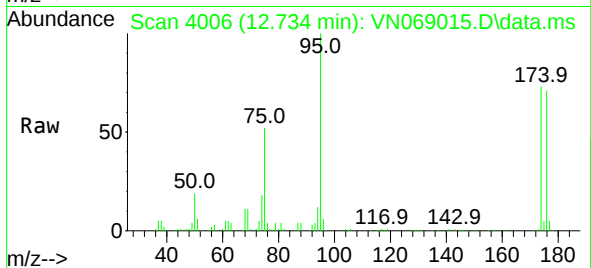




#62
4-Bromofluorobenzene
Concen: 49.735 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

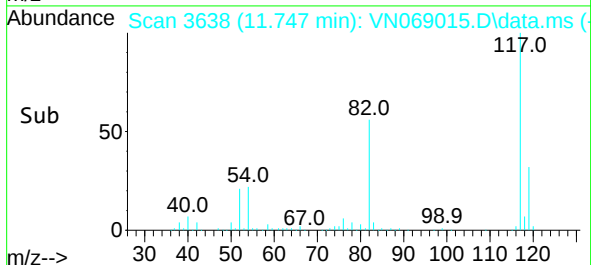
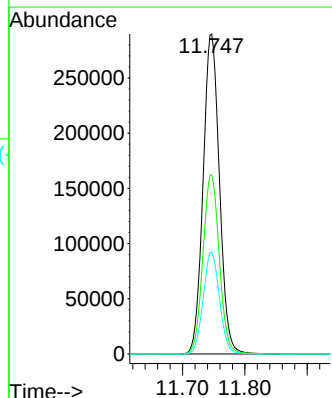
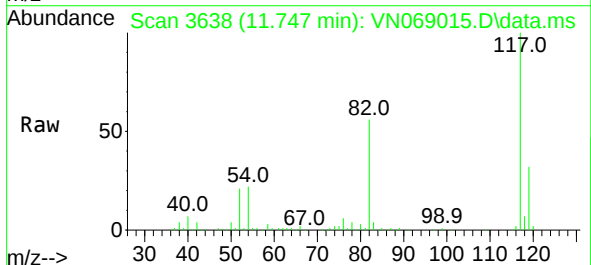
Instrument :
MSVOA_N
ClientSampleId :

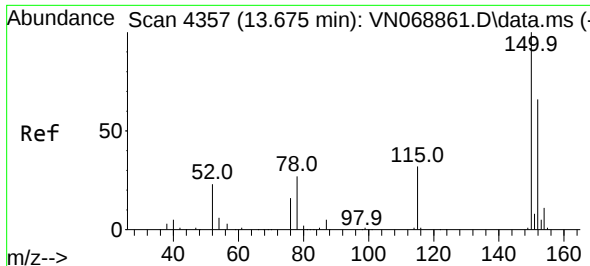
Tgt Ion: 95 Resp: 244304
Ion Ratio Lower Upper
95 100
174 72.6 0.0 144.8
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 117 Resp: 527903
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 31.8 26.0 39.0

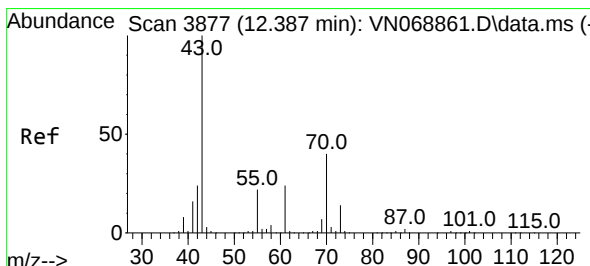
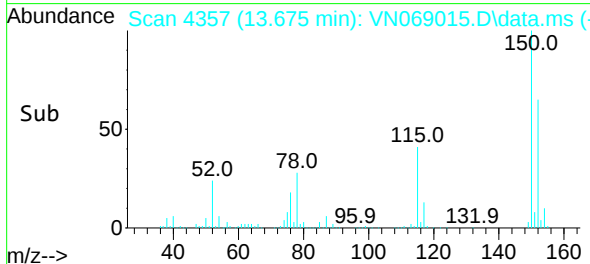
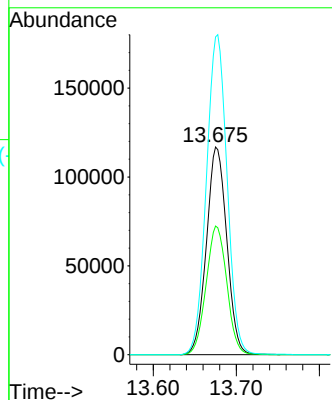
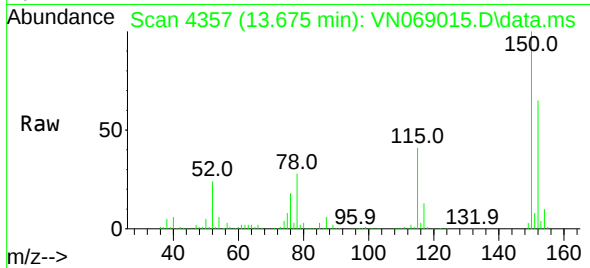




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.000 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

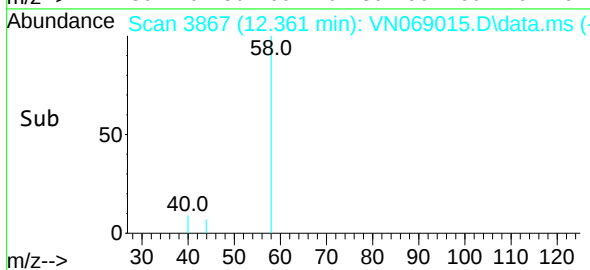
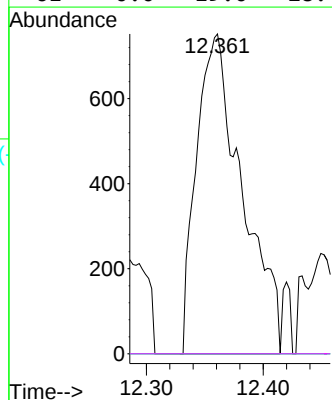
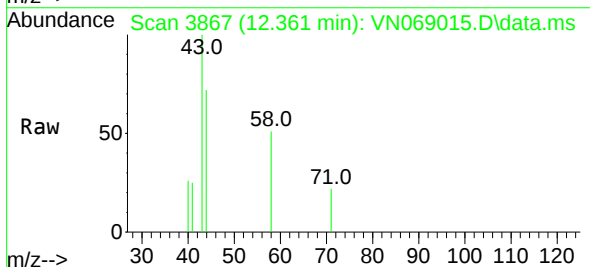
Instrument :
MSVOA_N
ClientSampleId :

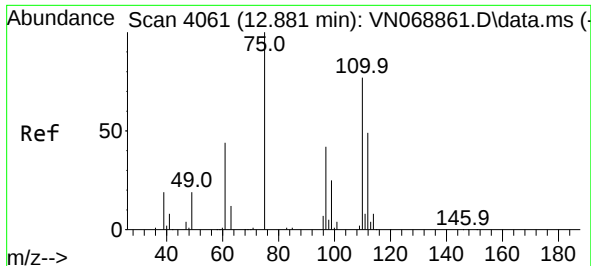
Tgt Ion:152 Resp: 198662
Ion Ratio Lower Upper
152 100
115 62.9 31.4 94.3
150 156.4 0.0 351.0



#74
N-ethyl acetate
Concen: 0.326 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.027 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 18.0 27.0#
61 0.0 19.0 28.4#

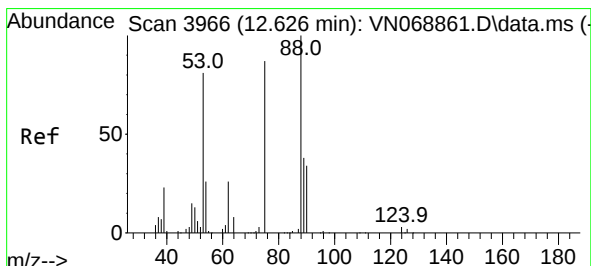
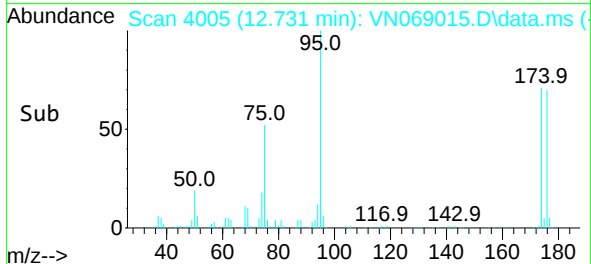
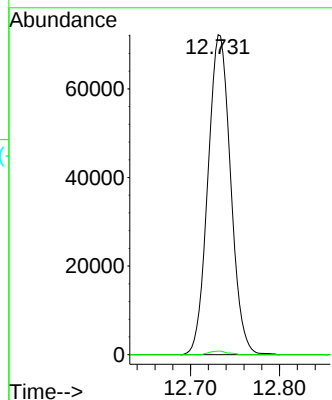
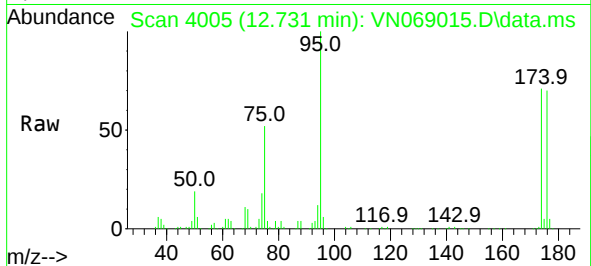




#76
1,2,3-Trichloropropane
Concen: 30.289 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

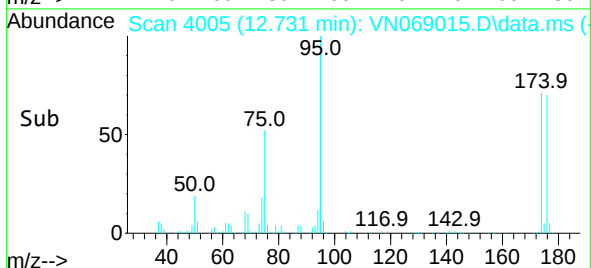
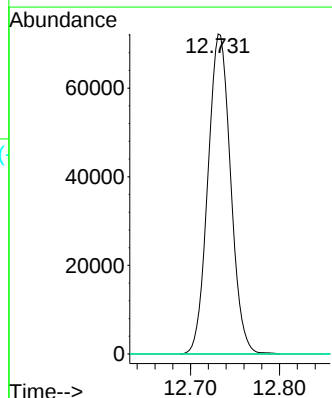
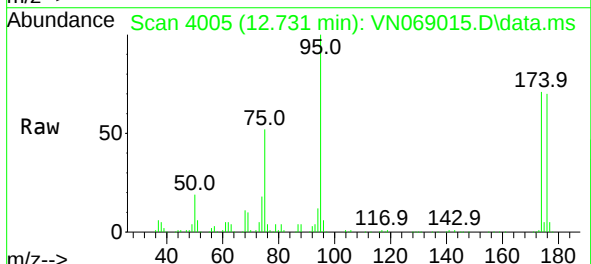
Instrument :
MSVOA_N
ClientSampled :

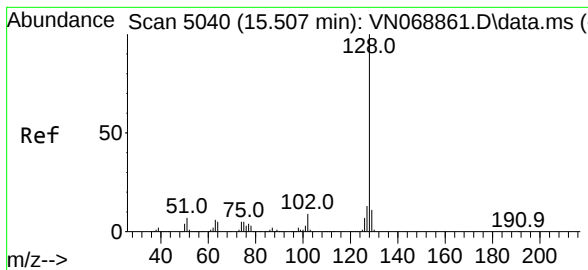
Tgt Ion: 75 Resp: 128030
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.464 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069015.D
Acq: 19 Oct 2021 7:05

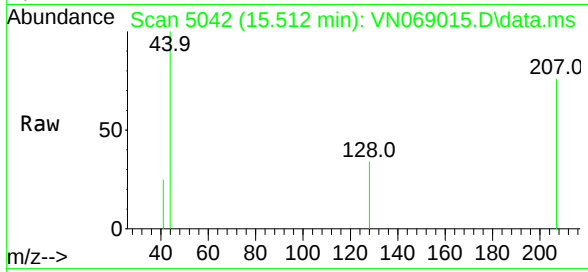
Tgt Ion: 75 Resp: 128030
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 3.828 ug/l
 RT: 15.512 min Scan# 5042
 Delta R.T. 0.005 min
 Lab File: VN069015.D
 Acq: 19 Oct 2021 7:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	158
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.9	13.3#

