

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110121\
 Data File : VN069331.D
 Acq On : 1 Nov 2021 19:58
 Operator : JC/MD
 Sample : M4423-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 02 05:51:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

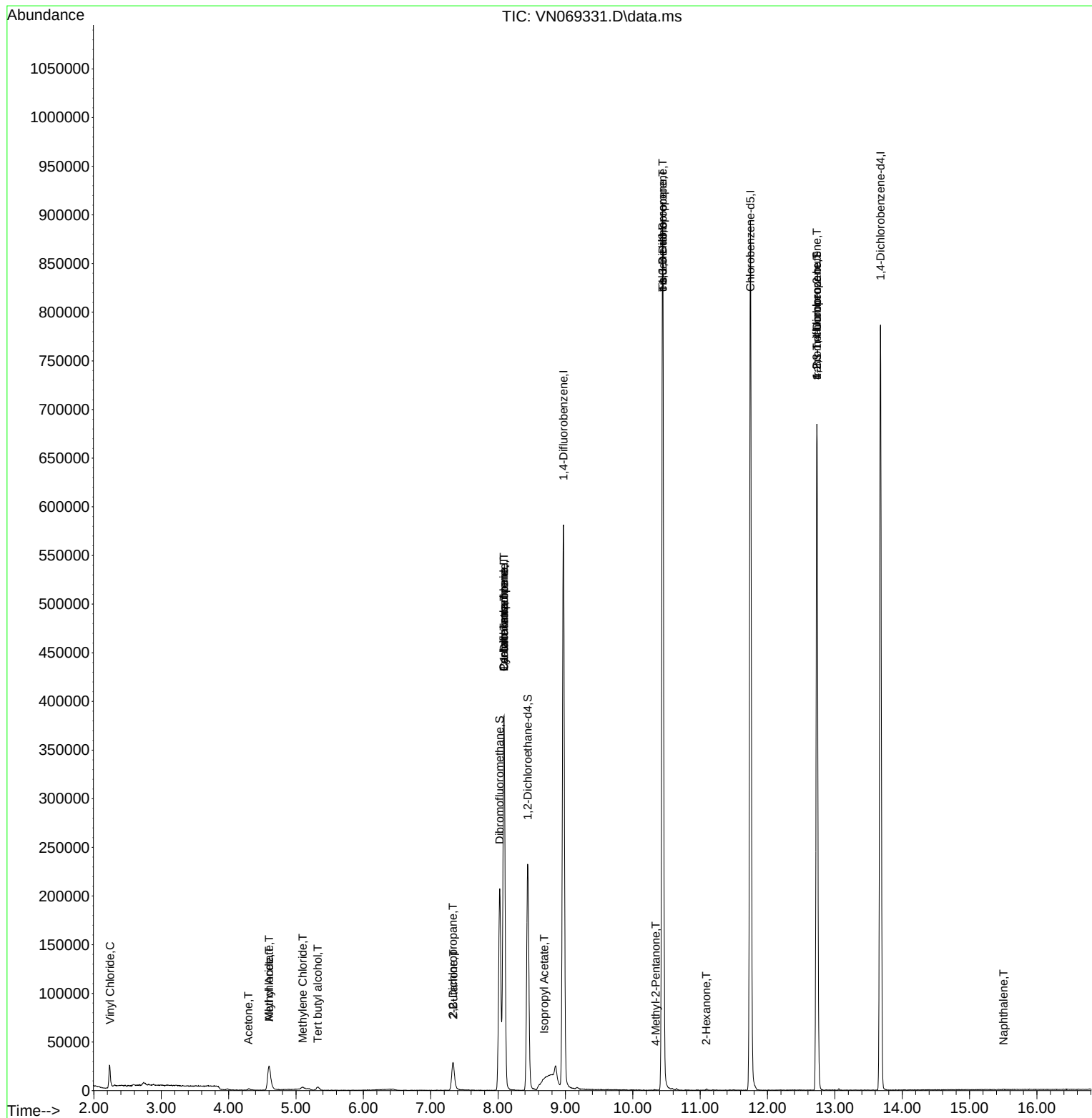
Internal Standards						
1) Pentafluorobenzene	8.088	168	284152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	516554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	523193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	209895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	200762	48.944	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.880%
35) Dibromofluoromethane	8.024	113	150707	46.803	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.600%
50) Toluene-d8	10.443	98	651976	50.641	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.280%
62) 4-Bromofluorobenzene	12.733	95	244225	50.270	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1022	Below Cal		95
4) Vinyl Chloride	2.239	62	238	0.787	ug/l #	1
11) Tert butyl alcohol	5.320	59	3364	17.400	ug/l #	72
14) Allyl chloride	4.602	41	4844	1.071	ug/l #	69
16) Acetone	4.293	43	3151	1.803	ug/l	98
18) Methyl Acetate	4.599	43	11210	1.888	ug/l #	52
20) Methylene Chloride	5.098	84	1641	0.490	ug/l #	79
25) 2-Butanone	7.337	43	500	1.820	ug/l #	48
26) 2,2-Dichloropropane	7.329	77	2017	1.211	ug/l #	53
31) Cyclohexane	8.088	56	6624	1.207	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	24328	5.463	ug/l #	49
38) Carbon Tetrachloride	8.088	117	30461	6.902	ug/l #	15
43) Isopropyl Acetate	8.686	43	17883	2.461	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	118	6.422	ug/l #	36
53) t-1,3-Dichloropropene	10.443	75	50	1.947	ug/l #	70
54) cis-1,3-Dichloropropene	10.443	75	50	1.536	ug/l #	89
59) 2-Hexanone	11.089	43	713	8.157	ug/l #	25
76) 1,2,3-Trichloropropane	12.733	75	131208	23.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	131208	68.283	ug/l #	12
95) Naphthalene	15.504	128	346	3.339	ug/l #	69

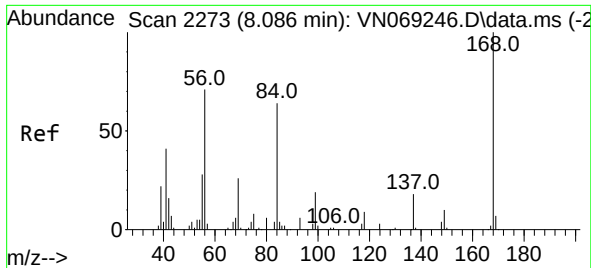
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration

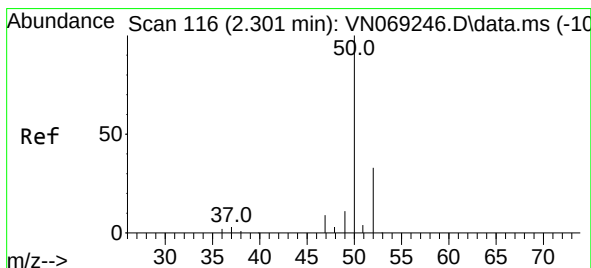
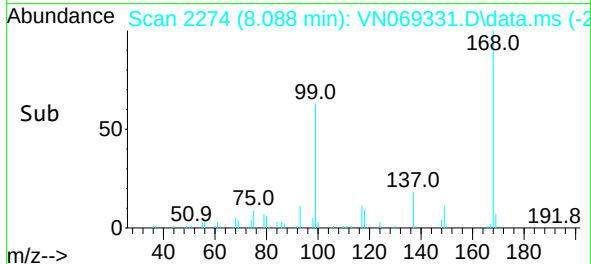
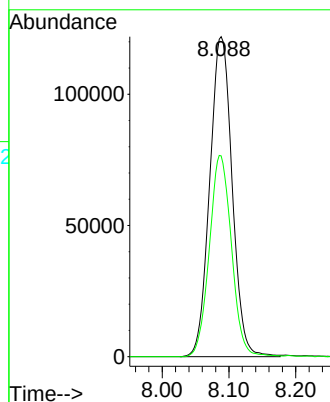
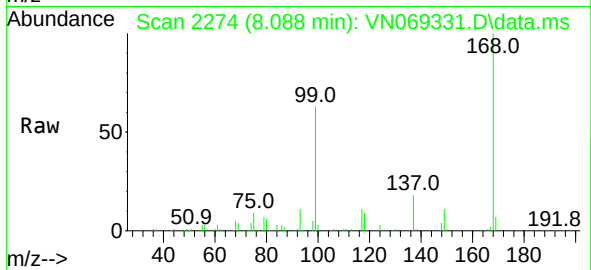




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

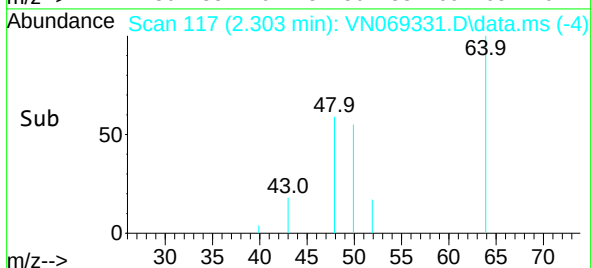
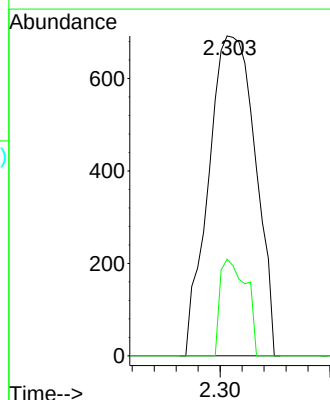
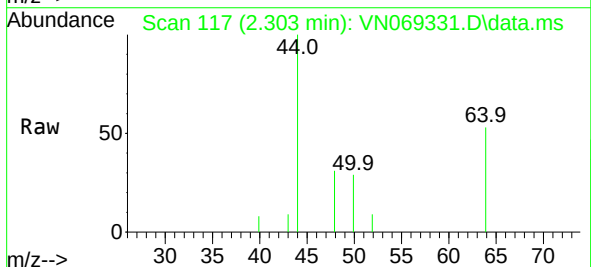
Instrument :
MSVOA_N
ClientSampleId :

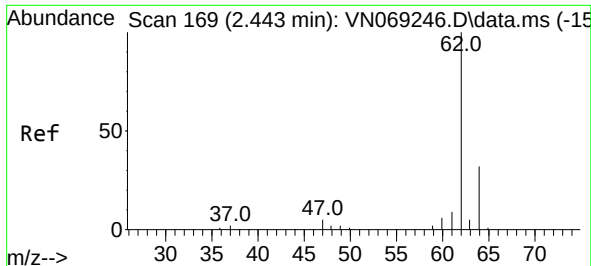
Tgt Ion:168 Resp: 284152
Ion Ratio Lower Upper
168 100
99 62.8 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

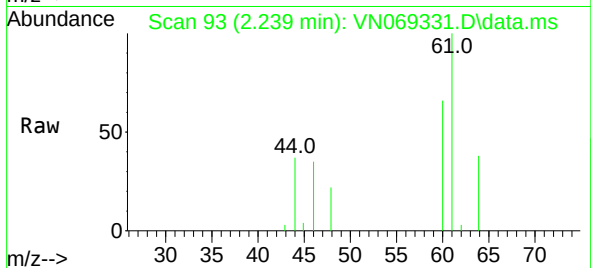
Tgt Ion: 50 Resp: 1022
Ion Ratio Lower Upper
50 100
52 30.2 26.3 39.5



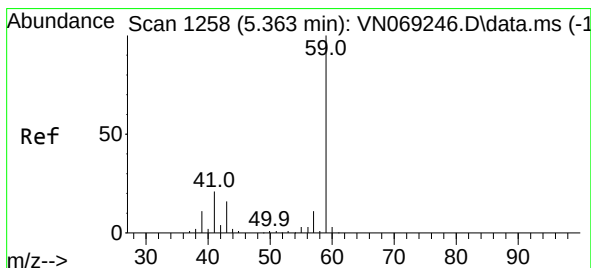
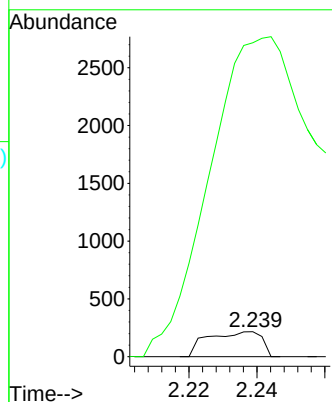
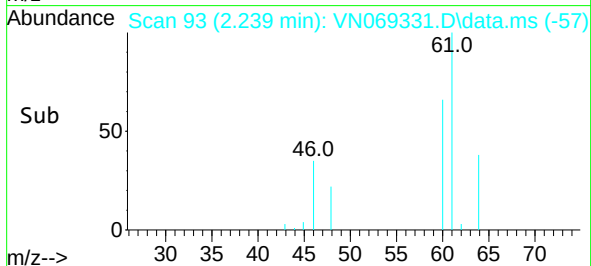


#4
 Vinyl Chloride
 Concen: 0.787 ug/l
 RT: 2.239 min Scan# 91
 Delta R.T. -0.204 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

Instrument :
 MSVOA_N
 ClientSampleId :

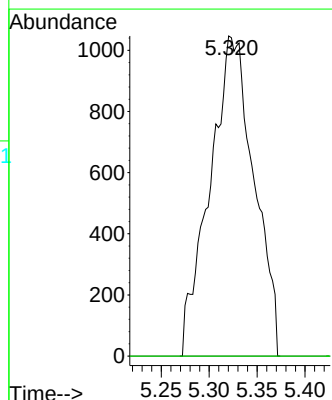
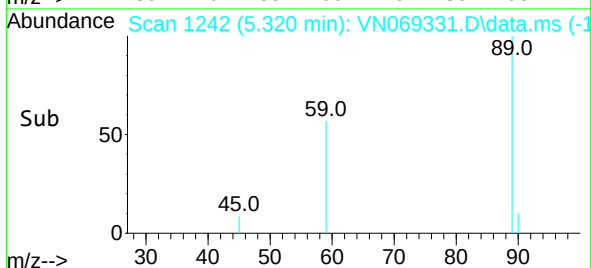
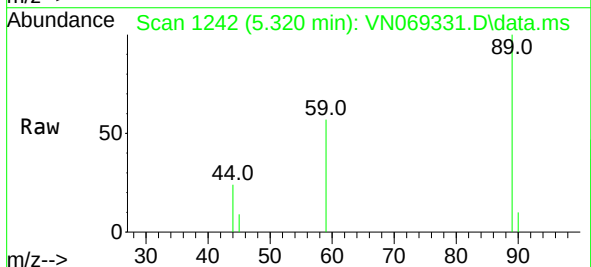


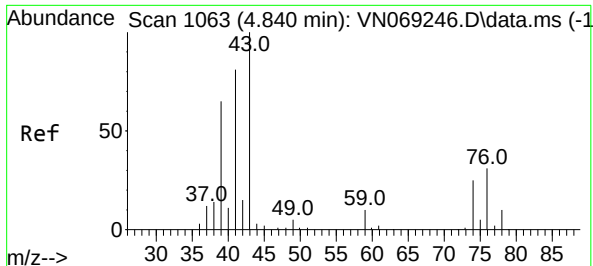
Tgt Ion: 62 Resp: 238
 Ion Ratio Lower Upper
 62 100
 64 1015.3 25.7 38.5#



#11
 Tert butyl alcohol
 Concen: 17.400 ug/l
 RT: 5.320 min Scan# 1242
 Delta R.T. -0.043 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

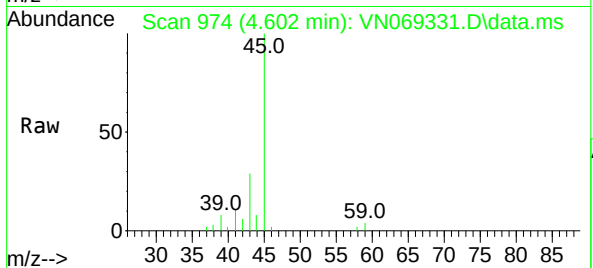
Tgt Ion: 59 Resp: 3364
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



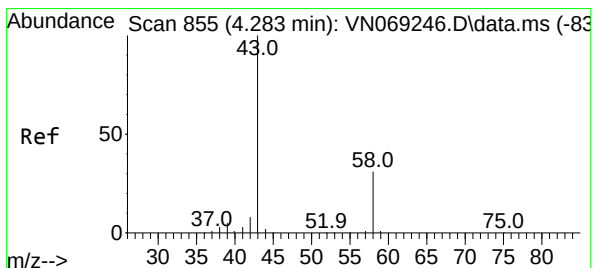
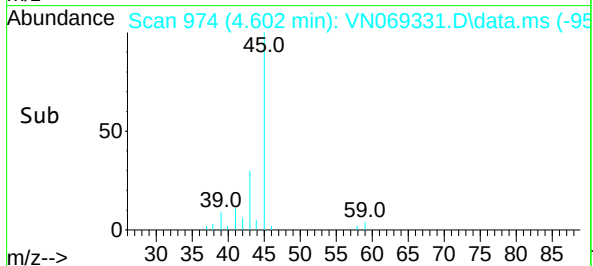
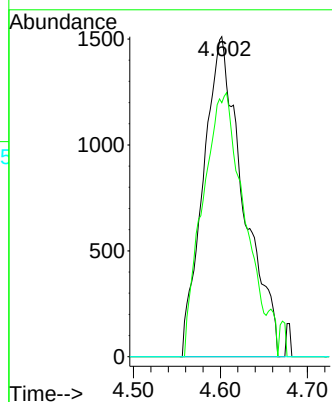


#14
 Allyl chloride
 Concen: 1.071 ug/l
 RT: 4.602 min Scan# 91
 Delta R.T. -0.238 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

Instrument :
 MSVOA_N
 ClientSampleId :

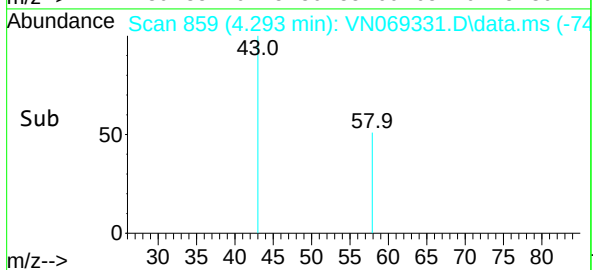
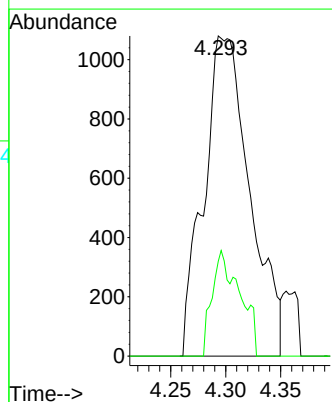
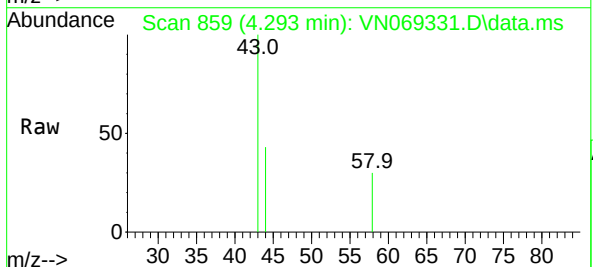


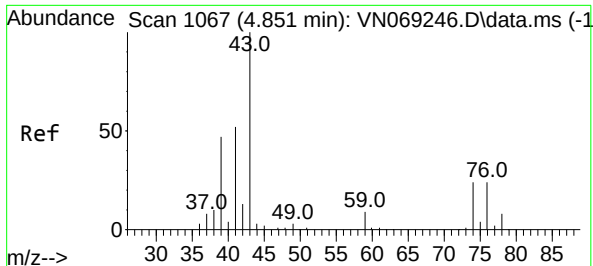
Tgt Ion: 41 Resp: 4844
 Ion Ratio Lower Upper
 41 100
 39 84.5 55.6 83.4#
 76 0.0 26.4 39.6#



#16
 Acetone
 Concen: 1.803 ug/l
 RT: 4.293 min Scan# 859
 Delta R.T. 0.010 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

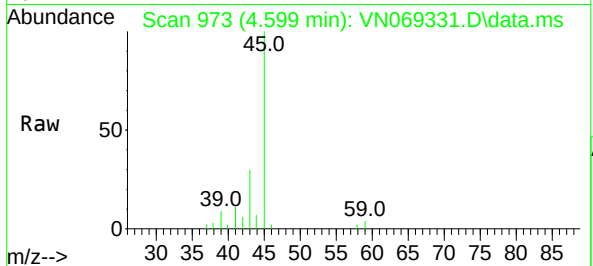
Tgt Ion: 43 Resp: 3151
 Ion Ratio Lower Upper
 43 100
 58 29.6 24.5 36.7



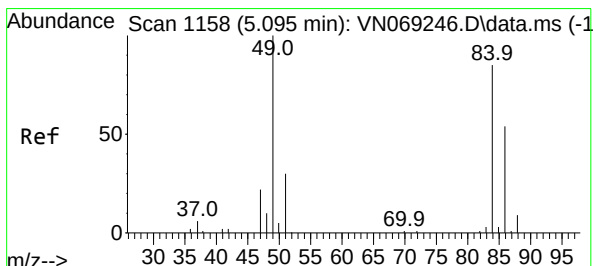
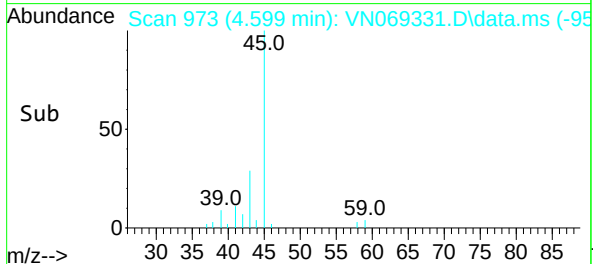
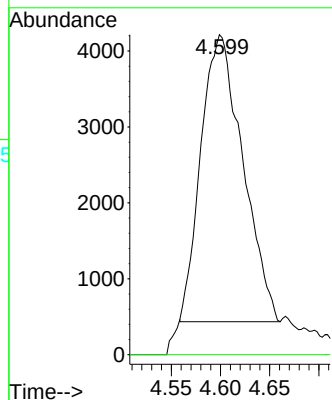


#18
Methyl Acetate
Concen: 1.888 ug/l
RT: 4.599 min Scan# 91
Delta R.T. -0.252 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :

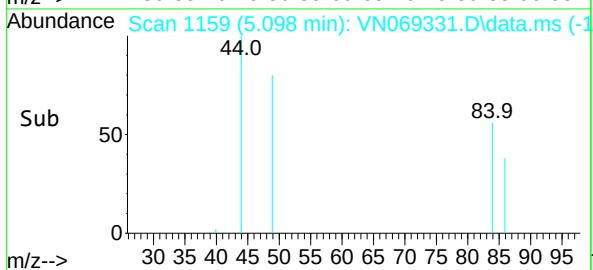
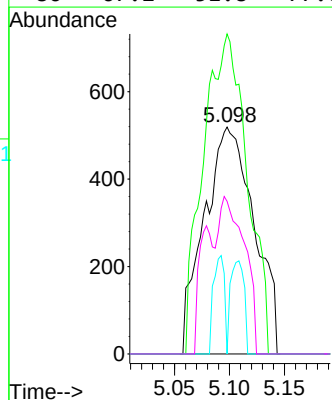
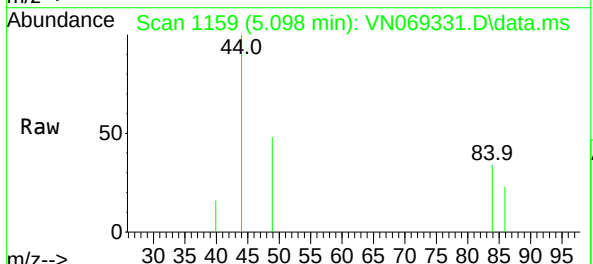


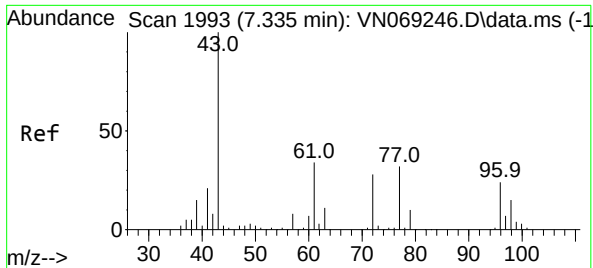
Tgt Ion: 43 Resp: 11210
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#20
Methylene Chloride
Concen: 0.490 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.003 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion: 84 Resp: 1641
Ion Ratio Lower Upper
84 100
49 141.0 97.6 146.4
51 0.0 30.3 45.5#
86 67.2 51.8 77.6





#25

2-Butanone

Concen: 1.820 ug/l

RT: 7.337 min Scan# 1993

Delta R.T. 0.002 min

Lab File: VN069331.D

Acq: 1 Nov 2021 19:58

Instrument :

MSVOA_N

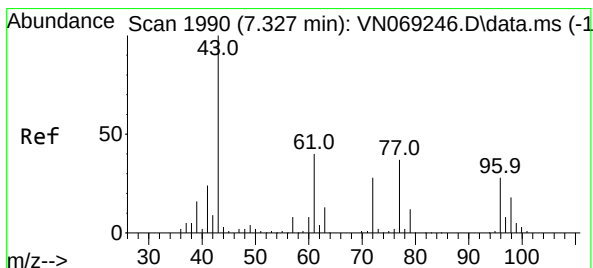
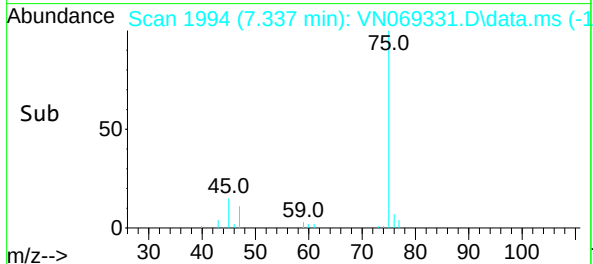
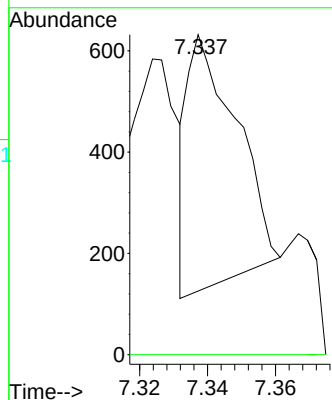
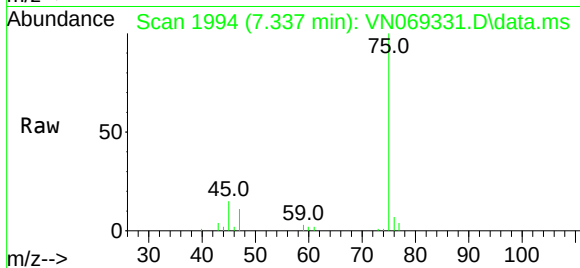
ClientSampleId :

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#26

2,2-Dichloropropane

Concen: 1.211 ug/l

RT: 7.329 min Scan# 1991

Delta R.T. 0.002 min

Lab File: VN069331.D

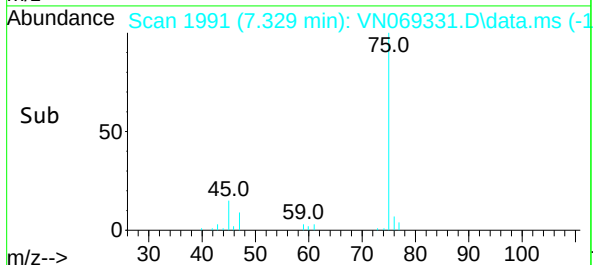
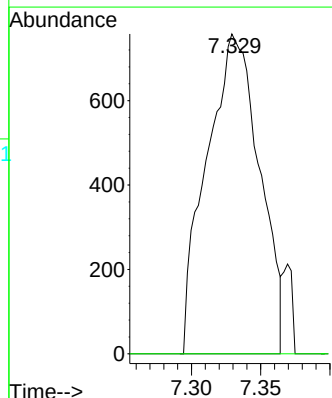
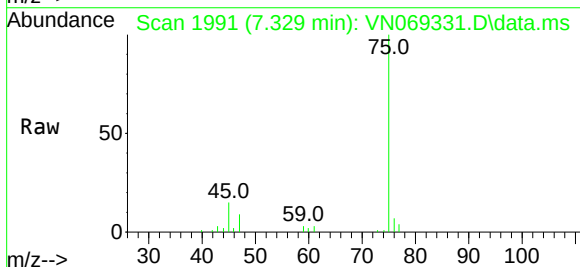
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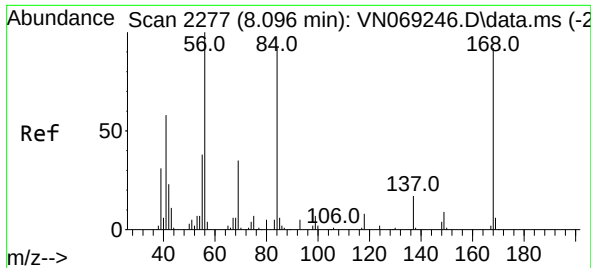
Tgt Ion: 77 Resp: 2017

Ion Ratio Lower Upper

77 100

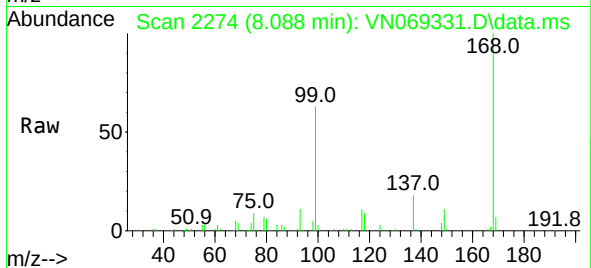
97 0.0 11.2 33.6#



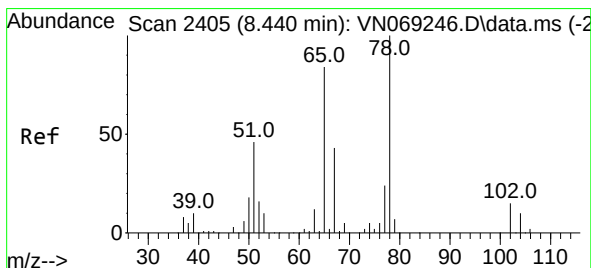
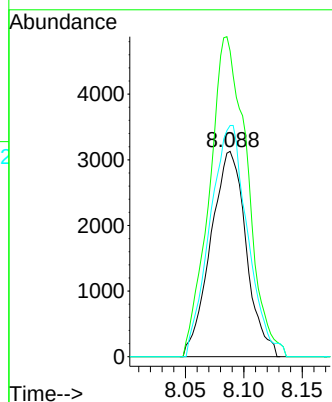
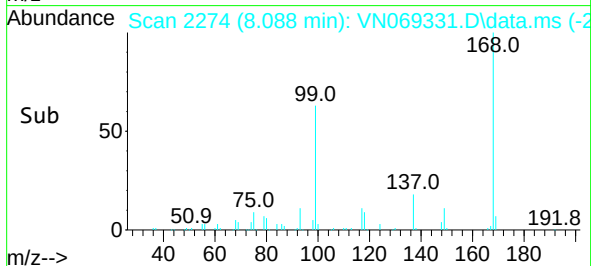


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Instrument :
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ClientSampleId :

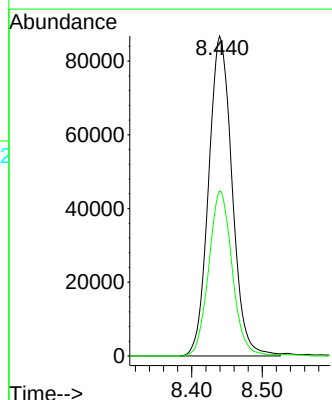
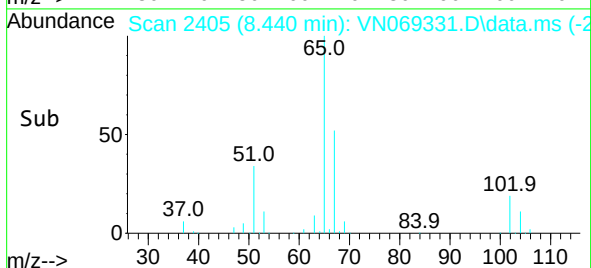
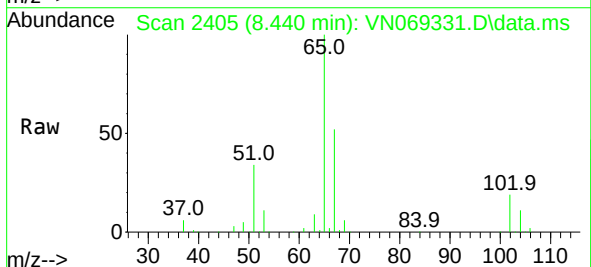


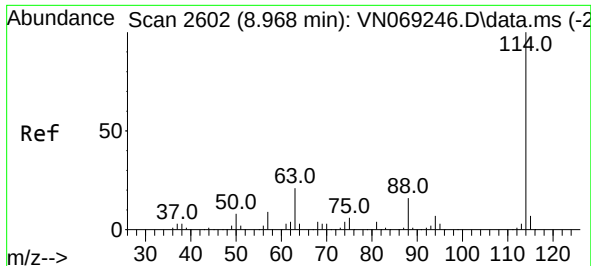
Tgt Ion: 56 Resp: 6624
Ion Ratio Lower Upper
56 100
69 148.9 26.9 40.3#
84 112.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.944 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion: 65 Resp: 200762
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# 2

Delta R.T. 0.003 min

Lab File: VN069331.D

Acq: 1 Nov 2021 19:58

Instrument :

MSVOA_N

ClientSampleId :

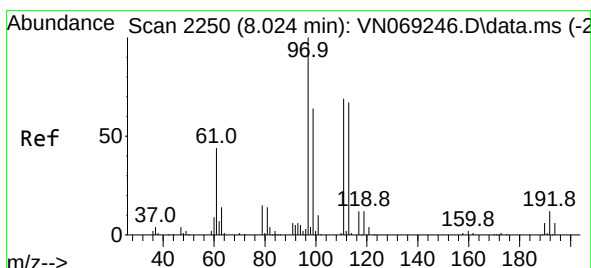
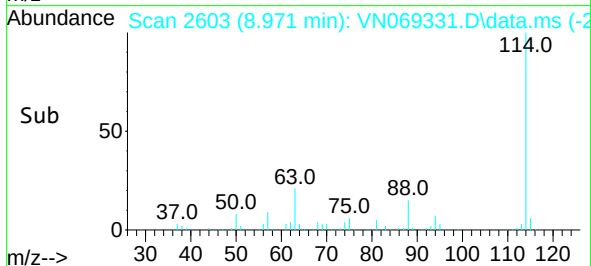
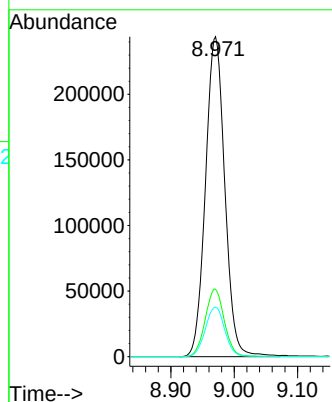
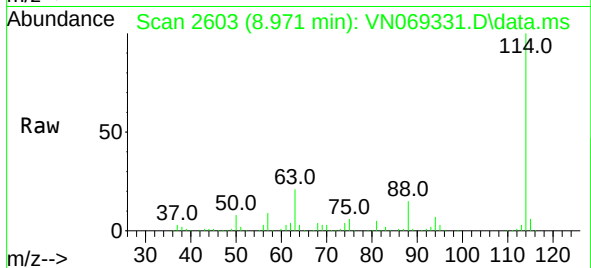
Tgt Ion:114 Resp: 516554

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

88 15.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.803 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. -0.000 min

Lab File: VN069331.D

Acq: 1 Nov 2021 19:58

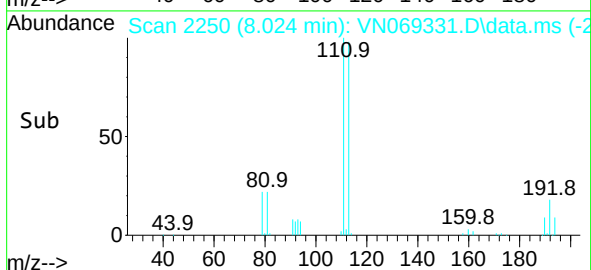
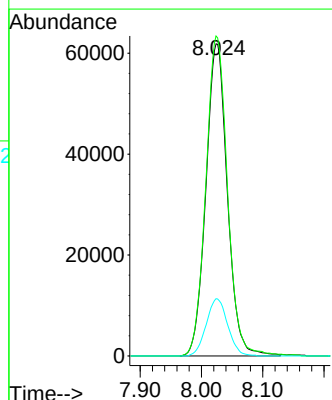
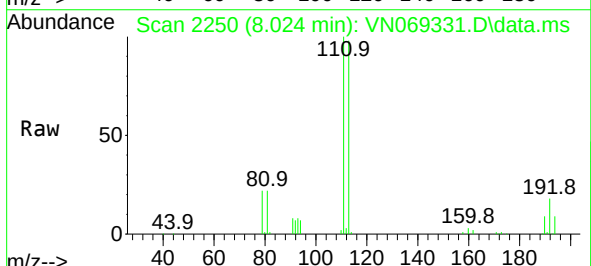
Tgt Ion:113 Resp: 150707

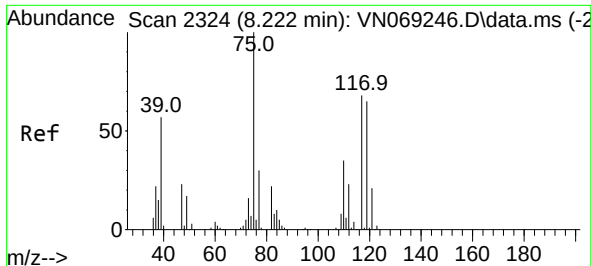
Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

192 18.3 15.0 22.4

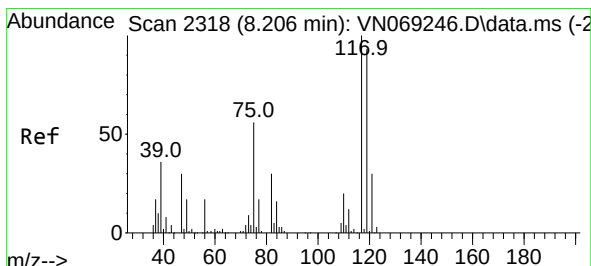
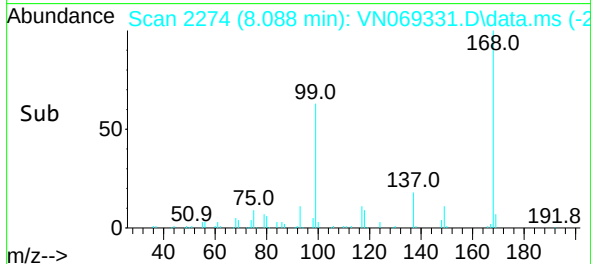
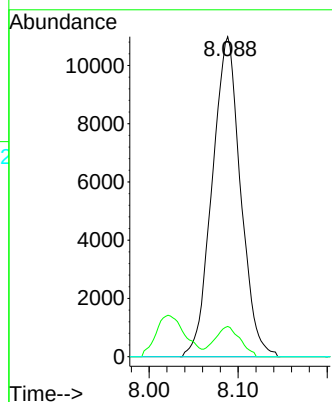
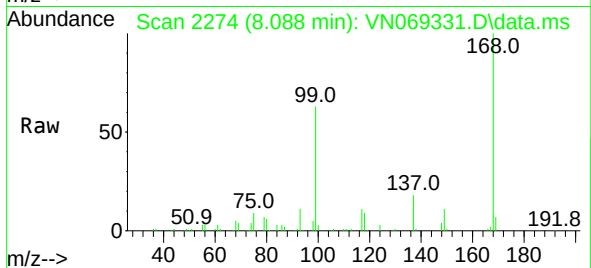




#36
 1,1-Dichloropropene
 Concen: 5.463 ug/l
 RT: 8.088 min Scan# 211
 Delta R.T. -0.134 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

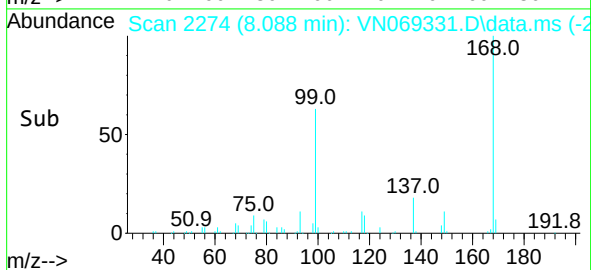
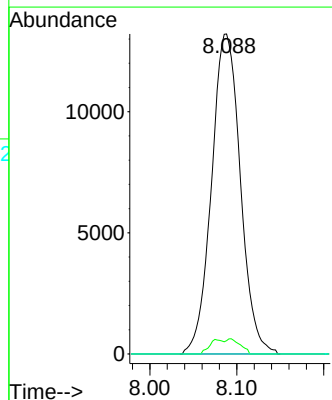
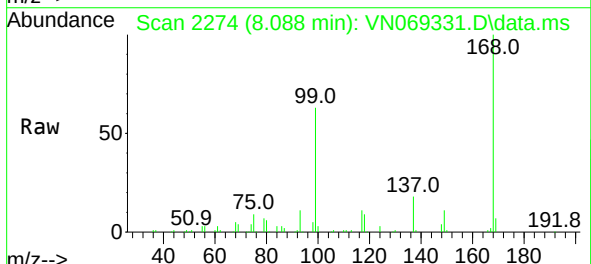
Instrument :
 MSVOA_N
 ClientSampleId :

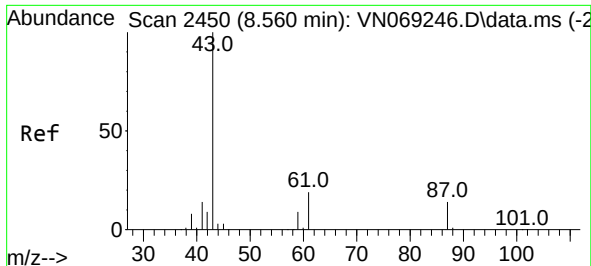
Tgt Ion: 75 Resp: 24328
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.902 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.118 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

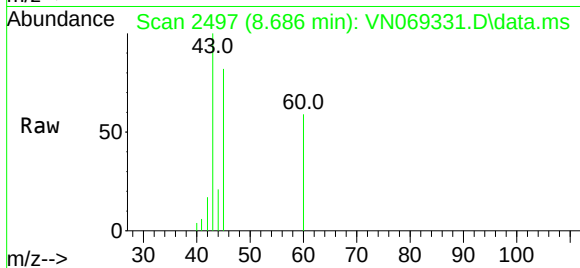
Tgt Ion: 117 Resp: 30461
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.9 115.3#
 121 0.0 24.6 37.0#



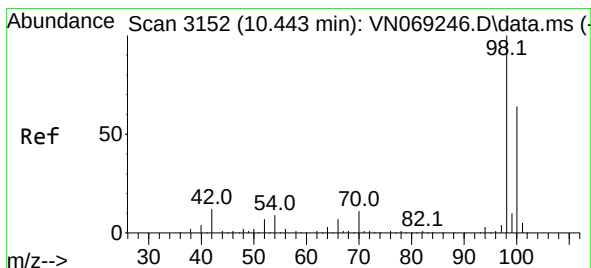
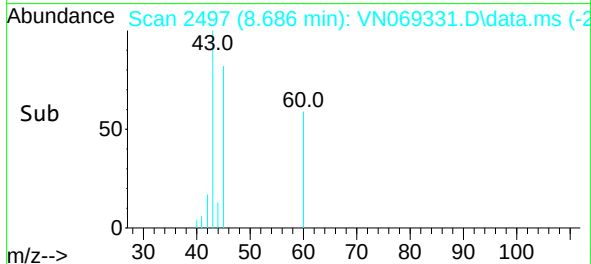
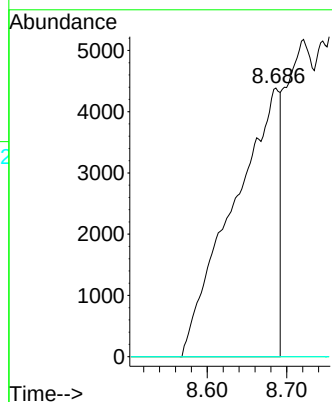


#43
Isopropyl Acetate
Concen: 2.461 ug/l
RT: 8.686 min Scan# 2450
Delta R.T. 0.126 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :

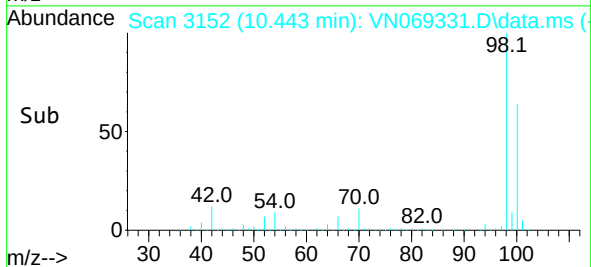
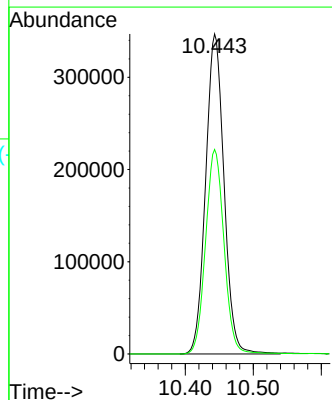
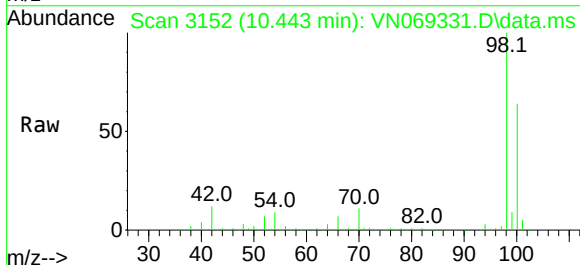


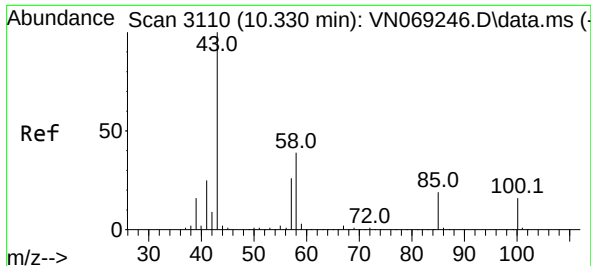
Tgt Ion: 43 Resp: 17883
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 50.641 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion: 98 Resp: 651976
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 6.422 ug/l

RT: 10.341 min Scan# 3114

Delta R.T. 0.011 min

Lab File: VN069331.D

Acq: 1 Nov 2021 19:58

Instrument :

MSVOA_N

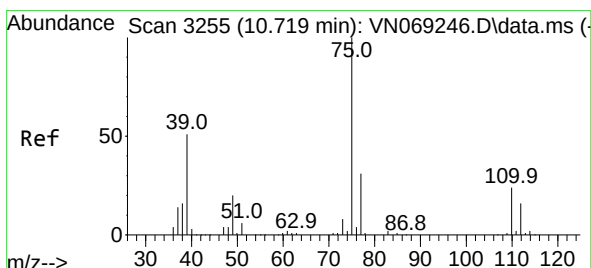
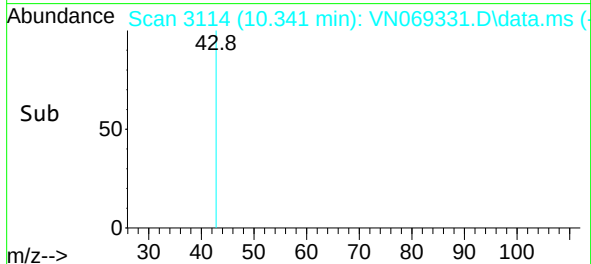
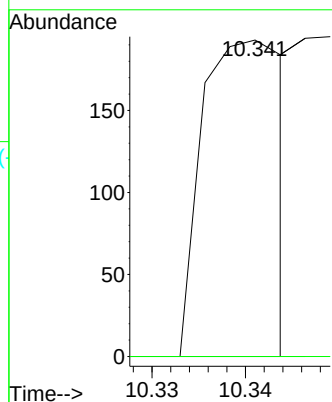
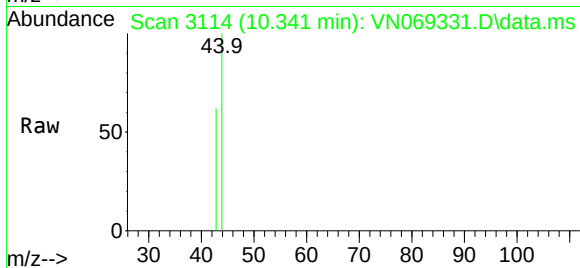
ClientSampleId :

Tgt Ion: 43 Resp: 118

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.4#



#53

t-1,3-Dichloropropene

Concen: 1.947 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.276 min

Lab File: VN069331.D

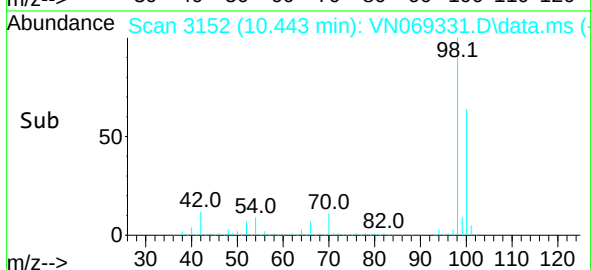
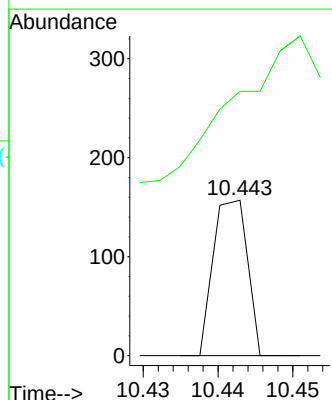
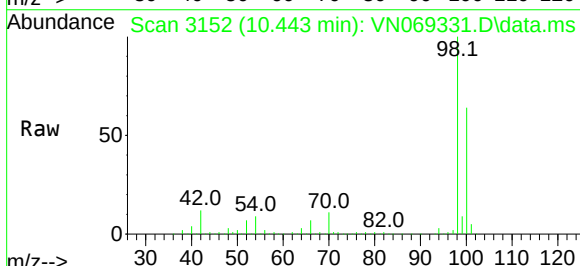
Acq: 1 Nov 2021 19:58

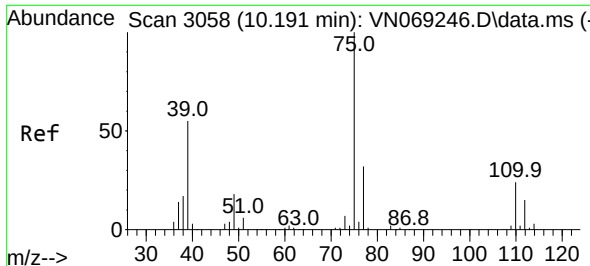
Tgt Ion: 75 Resp: 50

Ion Ratio Lower Upper

75 100

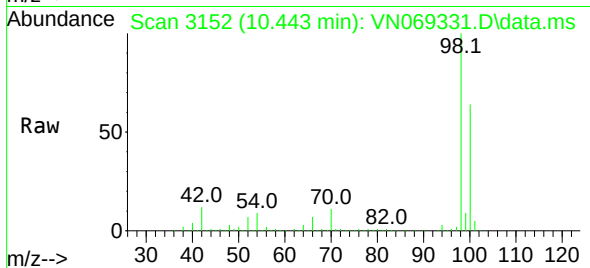
77 48.4 25.4 38.2#



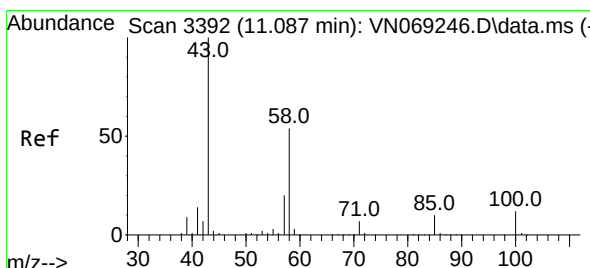
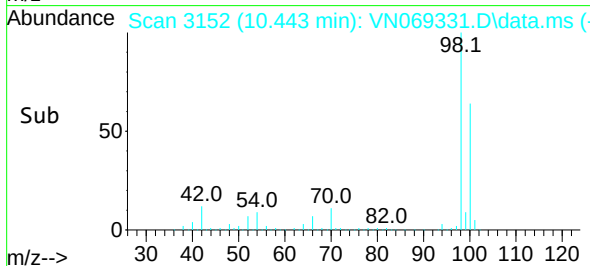
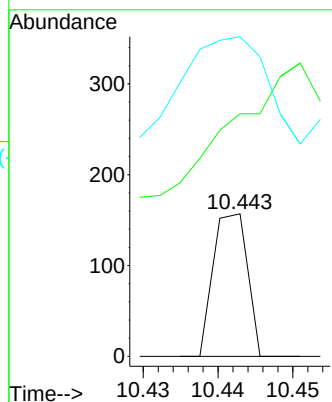


#54
cis-1,3-Dichloropropene
Concen: 1.536 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :

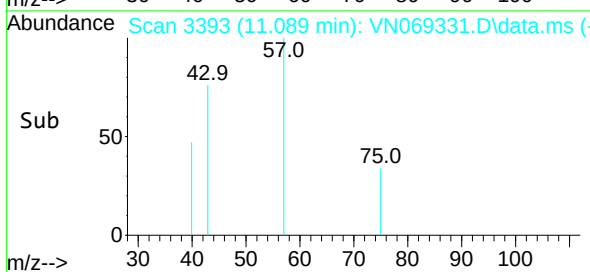
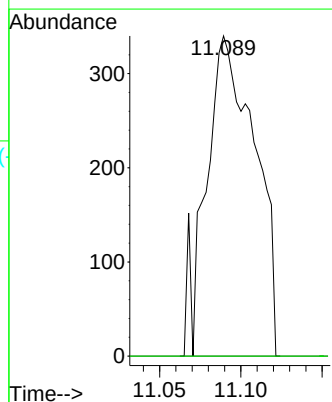
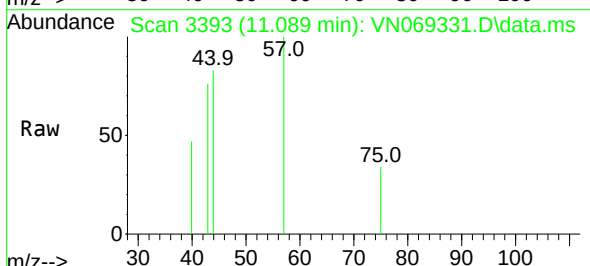


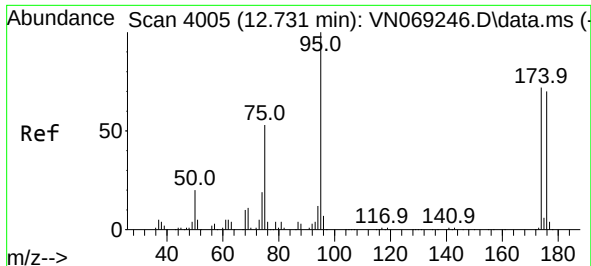
Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
77 48.4 25.6 38.4#
39 54.1 42.9 64.3



#59
2-Hexanone
Concen: 8.157 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

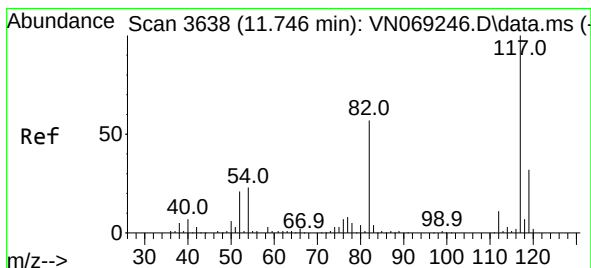
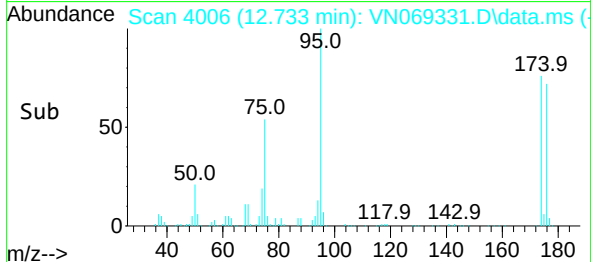
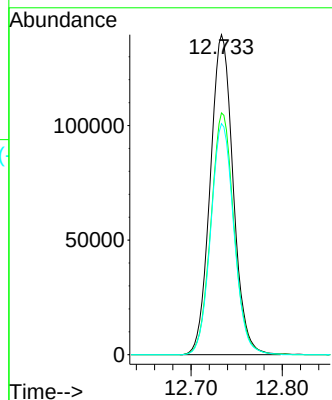
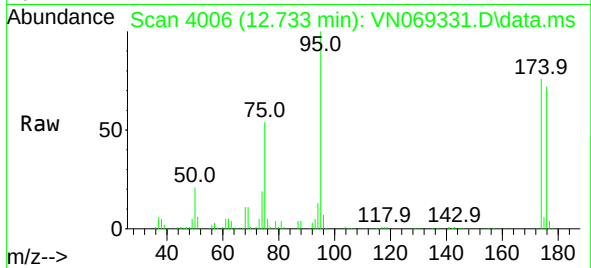




#62
4-Bromofluorobenzene
Concen: 50.270 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

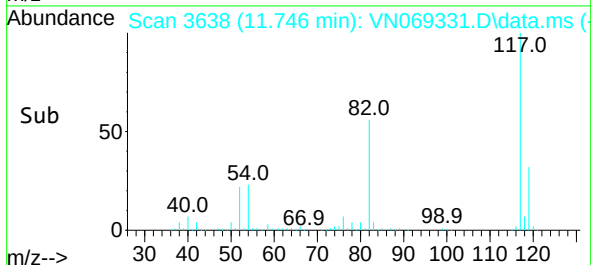
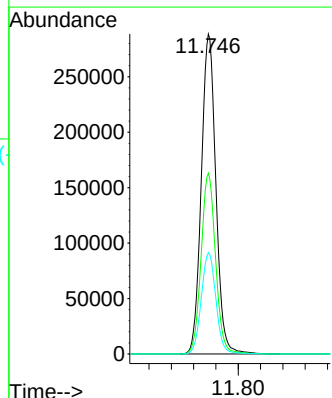
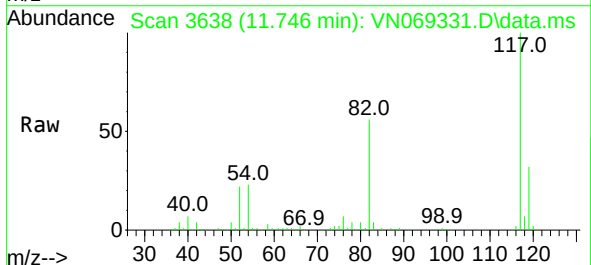
Instrument :
MSVOA_N
ClientSampleId :

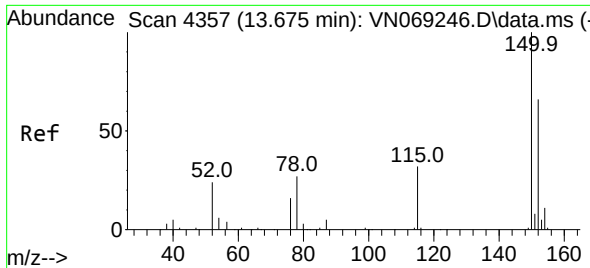
Tgt Ion: 95 Resp: 244225
Ion Ratio Lower Upper
95 100
174 76.1 0.0 144.8
176 73.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion: 117 Resp: 523193
Ion Ratio Lower Upper
117 100
82 56.5 46.4 69.6
119 31.6 26.0 39.0

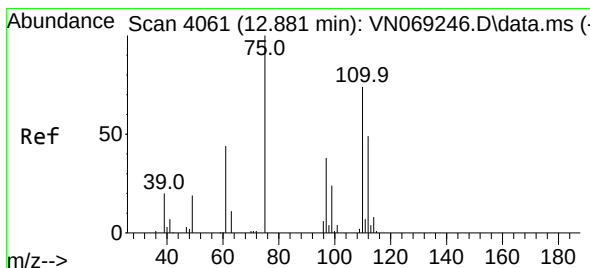
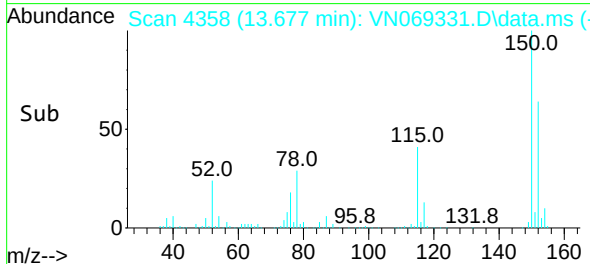
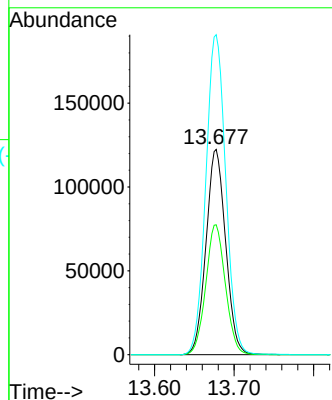
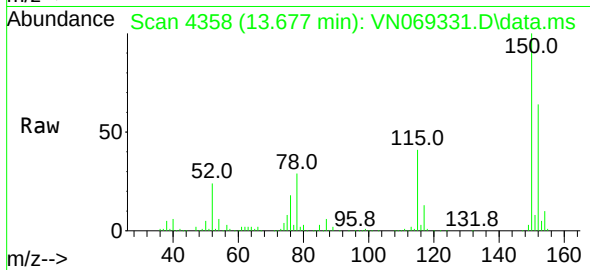




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.002 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

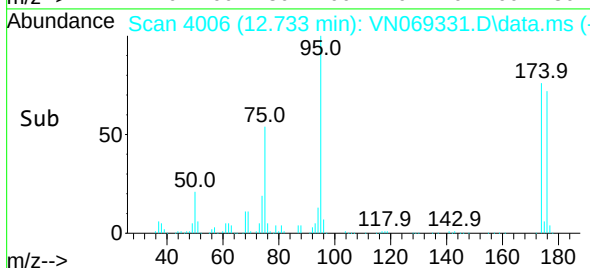
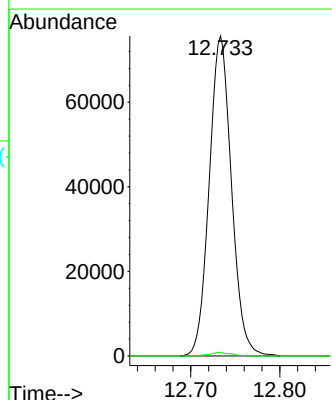
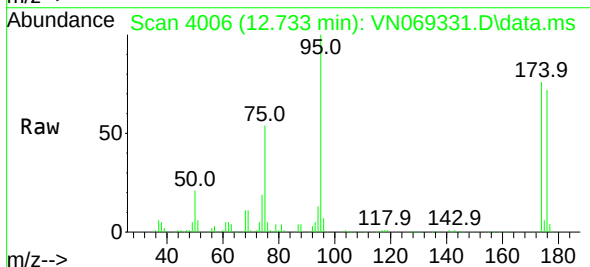
Instrument :
 MSVOA_N
 ClientSampleId :

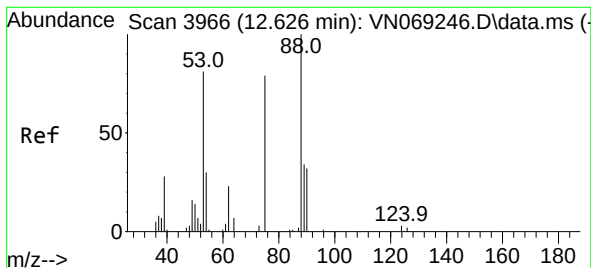
Tgt Ion:152 Resp: 209895
 Ion Ratio Lower Upper
 152 100
 115 63.3 31.4 94.3
 150 158.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 23.768 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069331.D
 Acq: 1 Nov 2021 19:58

Tgt Ion: 75 Resp: 131208
 Ion Ratio Lower Upper
 75 100
 77 1.1 96.2 288.4#

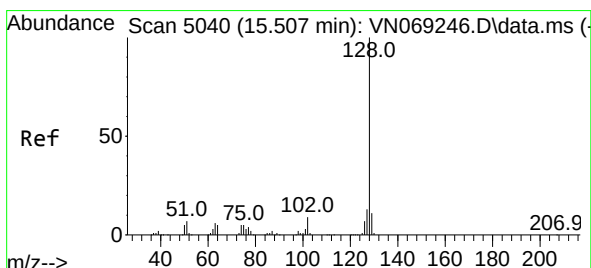
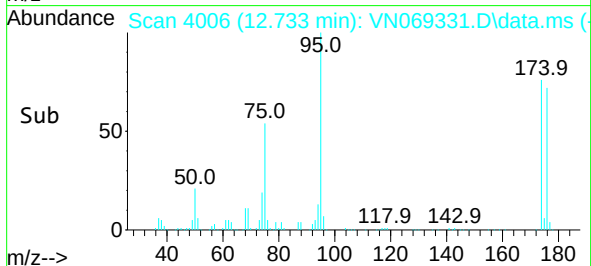
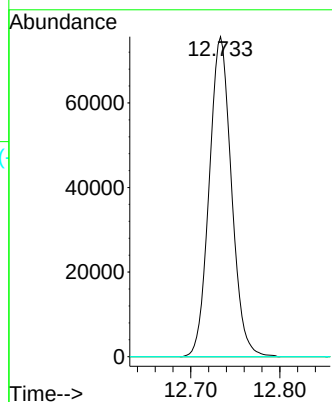
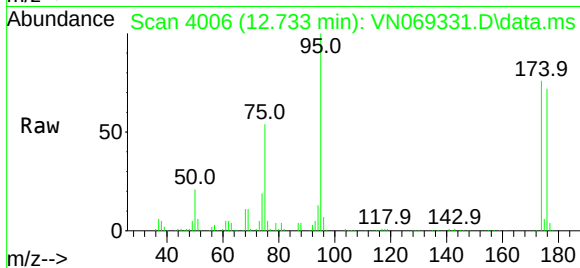




#81
trans-1,4-Dichloro-2-butene
Concen: 68.283 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 131208
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.339 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.003 min
Lab File: VN069331.D
Acq: 1 Nov 2021 19:58

Tgt Ion:128 Resp: 346
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

