

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070356.D
 Acq On : 29 Dec 2021 18:23
 Operator : JC/MD
 Sample : M5128-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 30 01:51:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

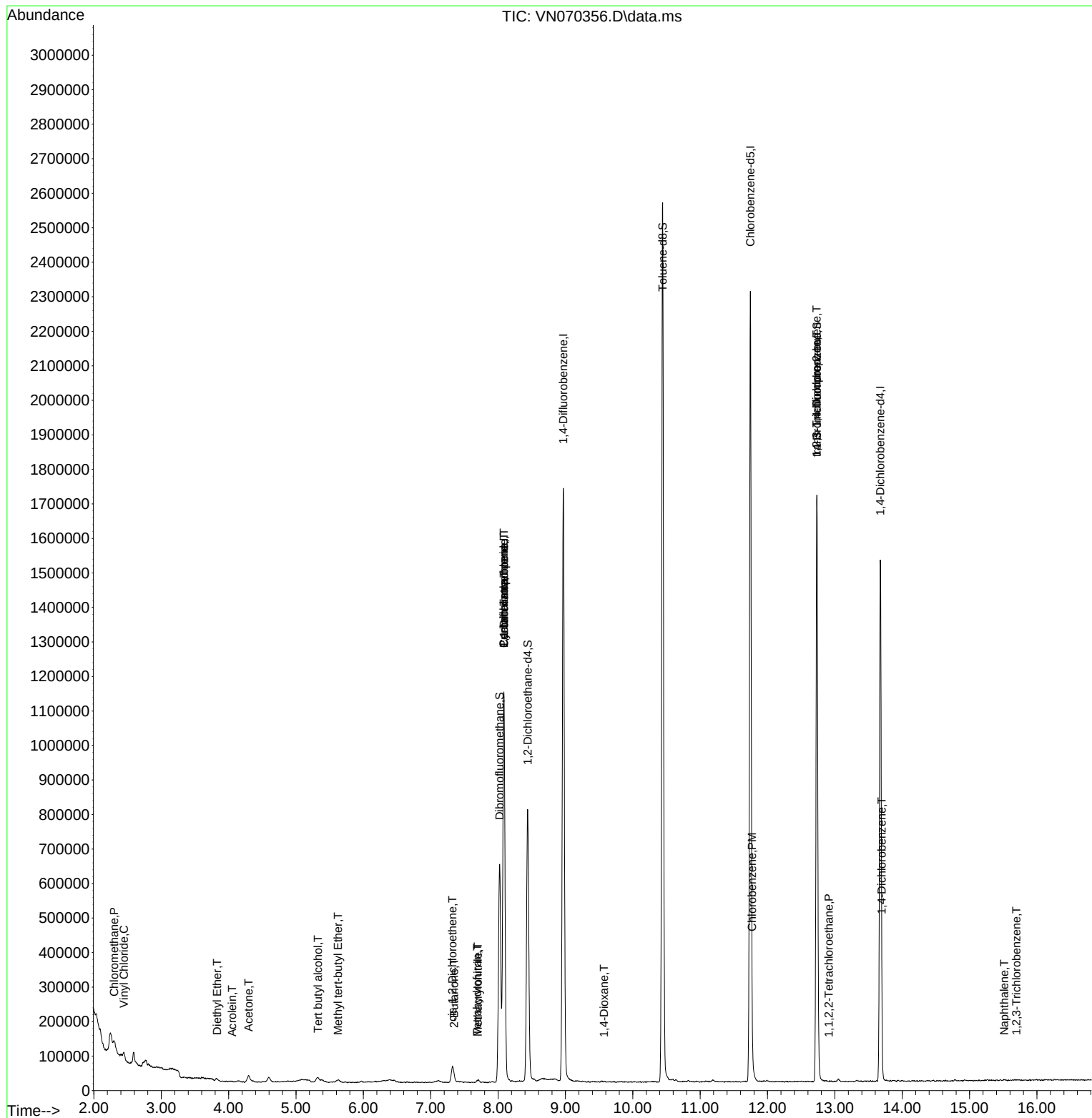
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	858145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1461344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1300420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	422134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	668029	54.142	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.280%	
35) Dibromofluoromethane	8.024	113	468048	52.935	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.880%	
50) Toluene-d8	10.443	98	1765445	48.877	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.734	95	604909	46.368	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.740%	
Target Compounds						Qvalue
3) Chloromethane	2.301	50	4442	0.336	ug/l #	85
4) Vinyl Chloride	2.446	62	13588	1.127	ug/l	99
8) Diethyl Ether	3.829	74	4032	0.630	ug/l	85
11) Tert butyl alcohol	5.326	59	14054	6.841	ug/l #	71
13) Acrolein	4.052	56	485	0.291	ug/l #	1
16) Acetone	4.296	43	30589	3.819	ug/l	97
19) Methyl tert-butyl Ether	5.624	73	10091	0.311	ug/l #	88
25) 2-Butanone	7.345	43	4504	0.447	ug/l #	81
27) cis-1,2-Dichloroethene	7.324	96	12048	1.091	ug/l	88
29) Tetrahydrofuran	7.691	42	2605	0.433	ug/l #	52
31) Cyclohexane	8.086	56	20453	1.050	ug/l #	18
36) 1,1-Dichloropropene	8.086	75	71221	4.869	ug/l #	49
38) Carbon Tetrachloride	8.086	117	84529	6.052	ug/l #	16
41) Methacrylonitrile	7.699	41	3584	0.378	ug/l #	36
49) 1,4-Dioxane	9.572	88	428	2.051	ug/l #	80
65) Chlorobenzene	11.771	112	20666	0.749	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.911	83	51	0.451	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	320220	26.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	320220	92.680	ug/l #	5
88) 1,4-Dichlorobenzene	13.696	146	5218	0.351	ug/l #	53
95) Naphthalene	15.515	128	2273	1.911	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.697	180	104	0.841	ug/l #	1

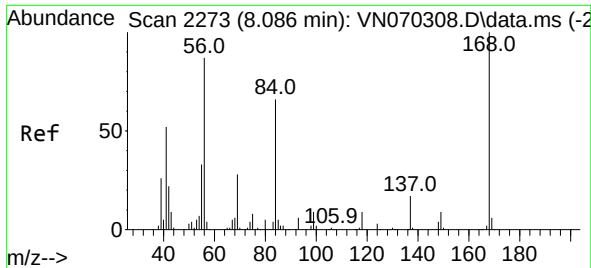
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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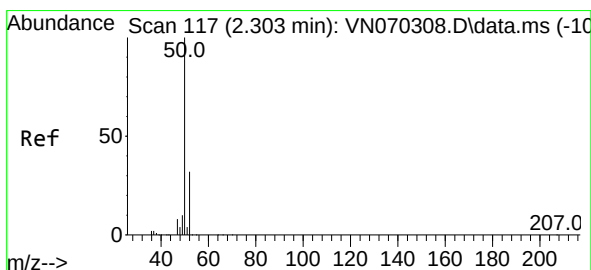
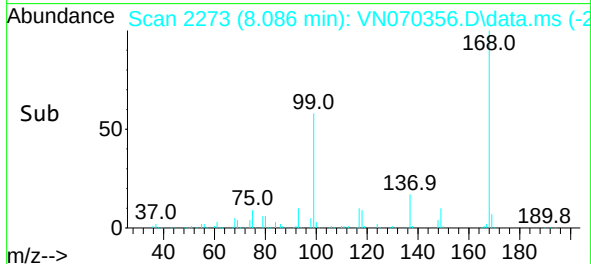
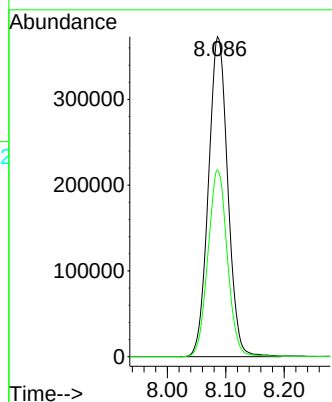
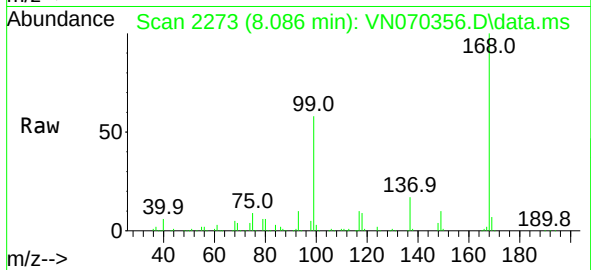




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

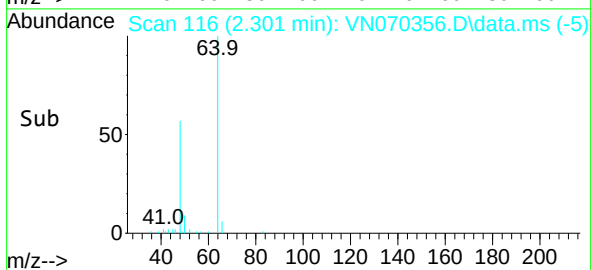
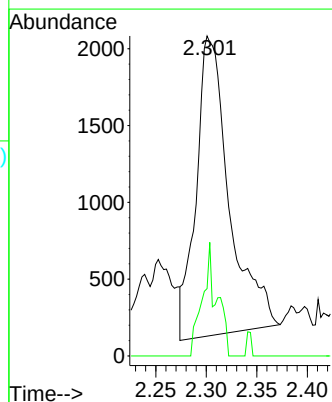
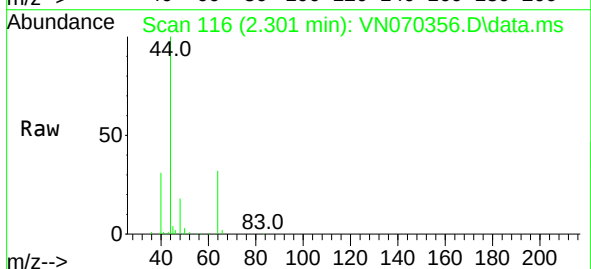
Instrument :
MSVOA_N
ClientSampleId :

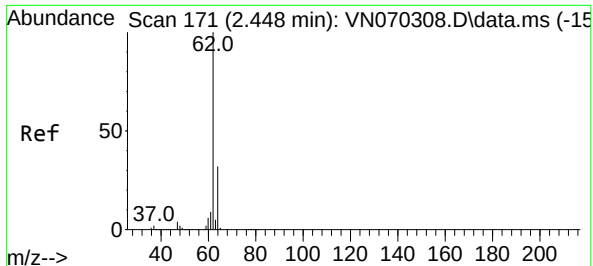
Tgt Ion:168 Resp: 858145
Ion Ratio Lower Upper
168 100
99 58.4 41.3 61.9



#3
Chloromethane
Concen: 0.336 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

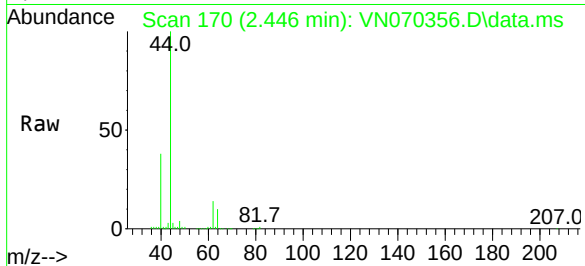
Tgt Ion: 50 Resp: 4442
Ion Ratio Lower Upper
50 100
52 23.4 25.4 38.0#



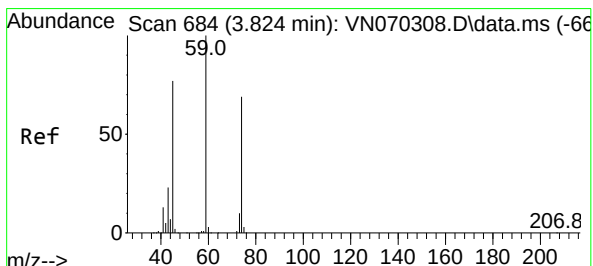
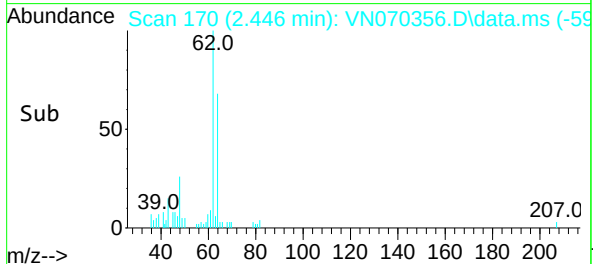
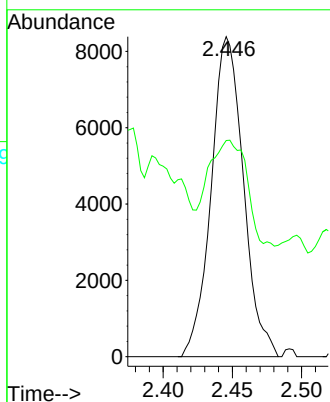


#4
 Vinyl Chloride
 Concen: 1.127 ug/l
 RT: 2.446 min Scan# 11
 Delta R.T. -0.002 min
 Lab File: VN070356.D
 Acq: 29 Dec 2021 18:23

Instrument :
 MSVOA_N
 ClientSampleId :

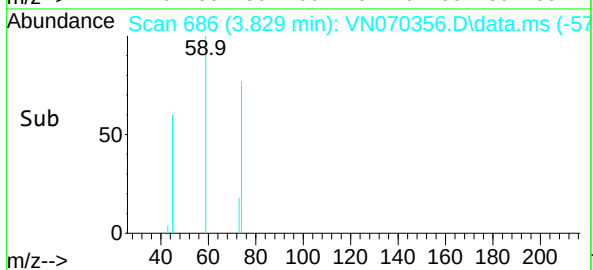
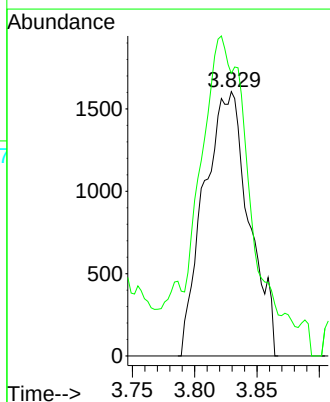
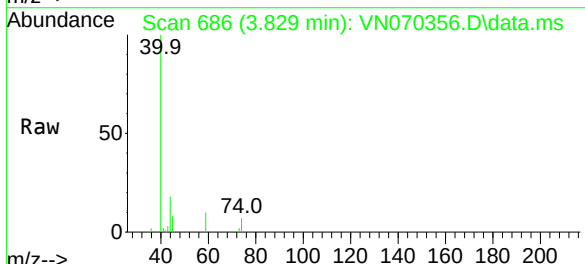


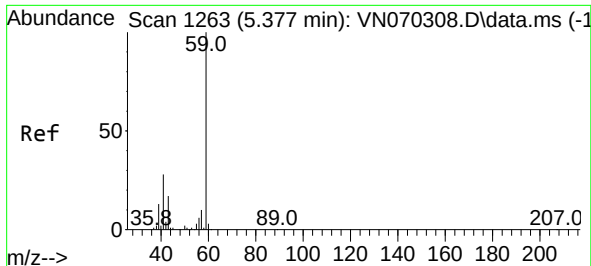
Tgt Ion: 62 Resp: 13588
 Ion Ratio Lower Upper
 62 100
 64 32.8 25.8 38.6



#8
 Diethyl Ether
 Concen: 0.630 ug/l
 RT: 3.829 min Scan# 686
 Delta R.T. 0.005 min
 Lab File: VN070356.D
 Acq: 29 Dec 2021 18:23

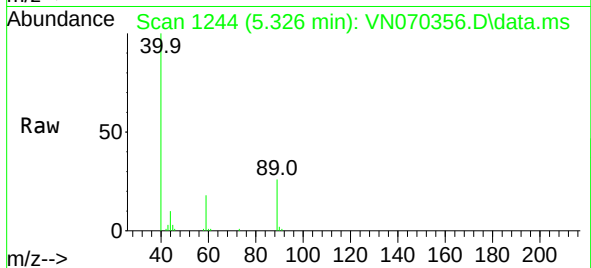
Tgt Ion: 74 Resp: 4032
 Ion Ratio Lower Upper
 74 100
 45 108.5 47.0 141.2



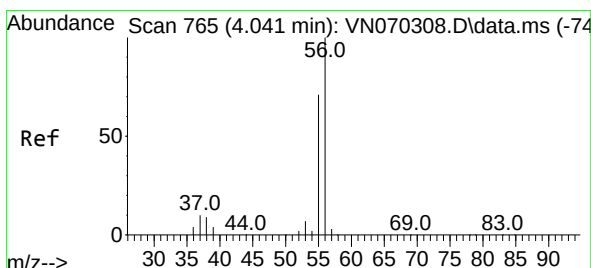
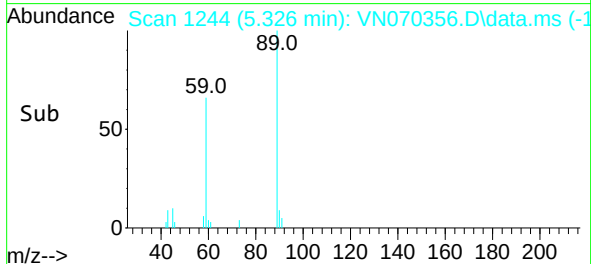
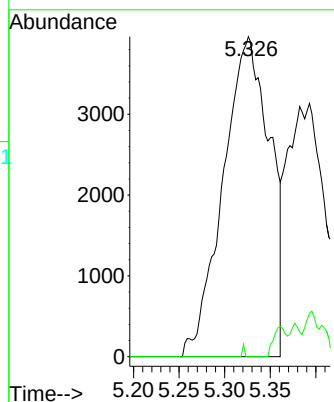


#11
Tert butyl alcohol
Concen: 6.841 ug/l
RT: 5.326 min Scan# 11
Delta R.T. -0.051 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

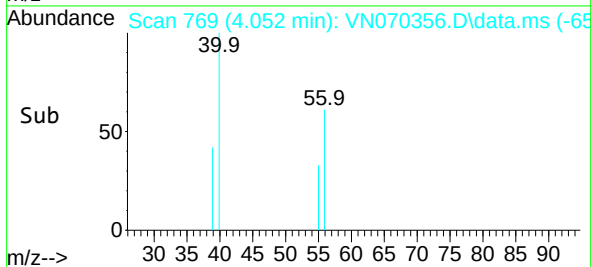
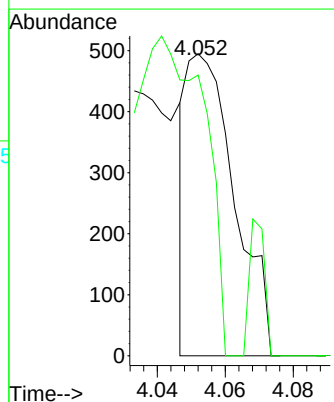
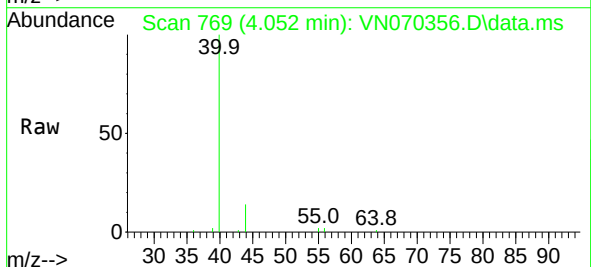


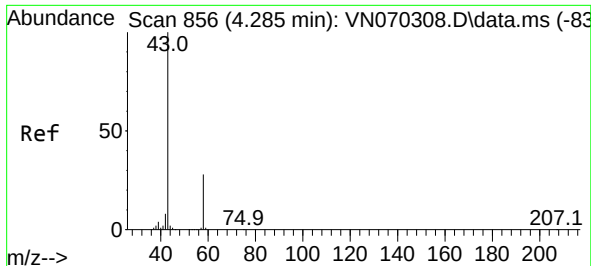
Tgt Ion: 59 Resp: 14054
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.291 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

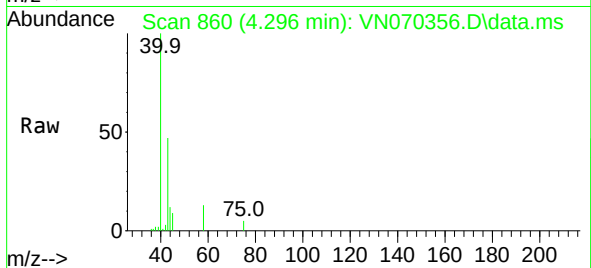
Tgt Ion: 56 Resp: 485
Ion Ratio Lower Upper
56 100
55 215.7 56.6 85.0#



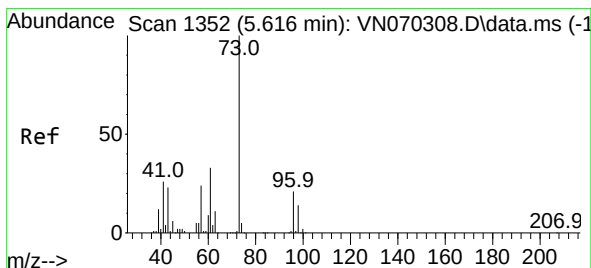
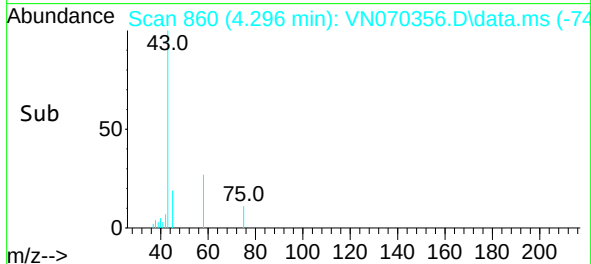
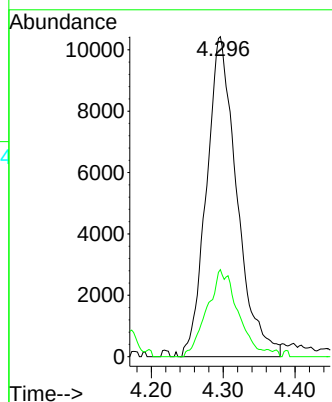


#16
Acetone
Concen: 3.819 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

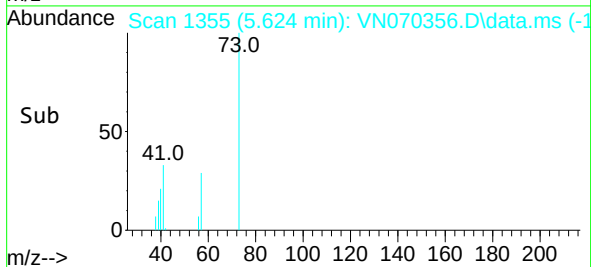
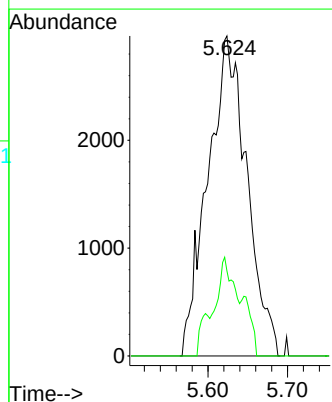
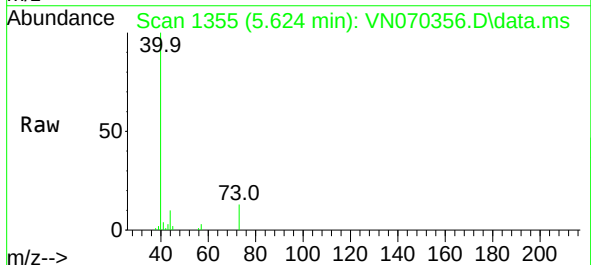


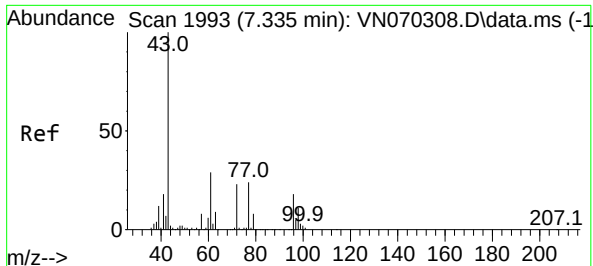
Tgt Ion: 43 Resp: 30589
Ion Ratio Lower Upper
43 100
58 27.2 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 0.311 ug/l
RT: 5.624 min Scan# 1355
Delta R.T. 0.008 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Tgt Ion: 73 Resp: 10091
Ion Ratio Lower Upper
73 100
57 26.6 16.8 25.2#





#25

2-Butanone

Concen: 0.447 ug/l

RT: 7.345 min Scan# 1993

Delta R.T. 0.010 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

Instrument :

MSVOA_N

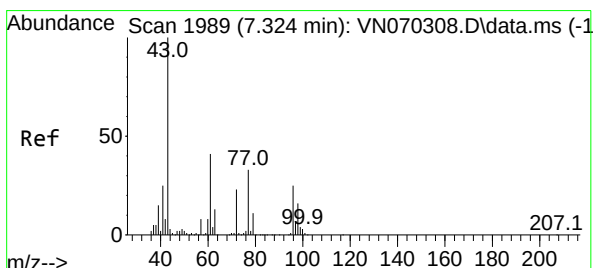
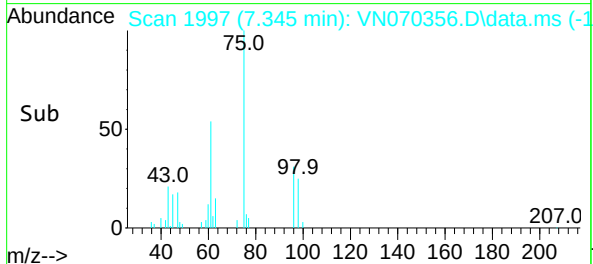
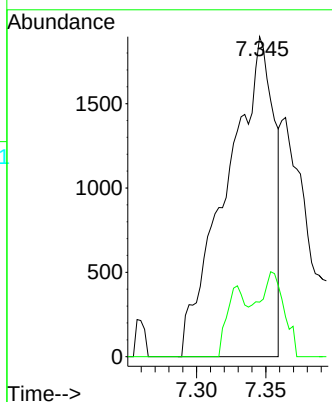
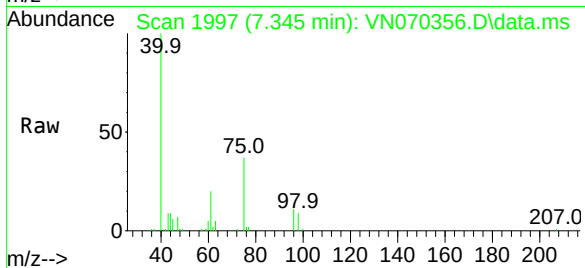
ClientSampleId :

Tgt Ion: 43 Resp: 4504

Ion Ratio Lower Upper

43 100

72 17.0 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 1.091 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. 0.000 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

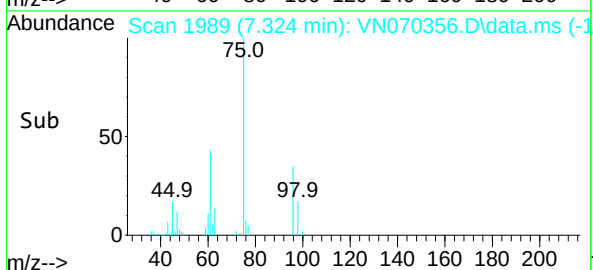
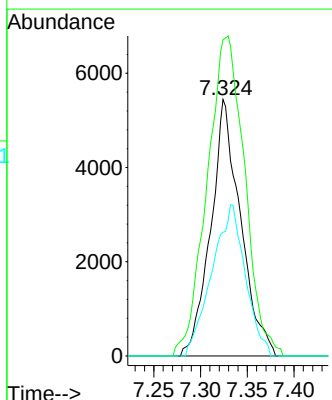
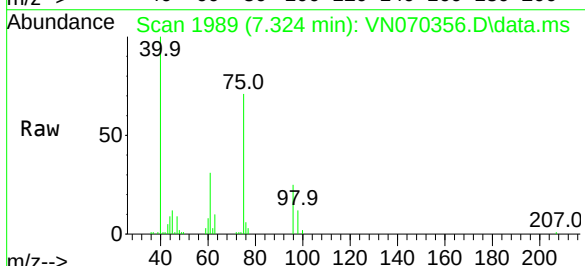
Tgt Ion: 96 Resp: 12048

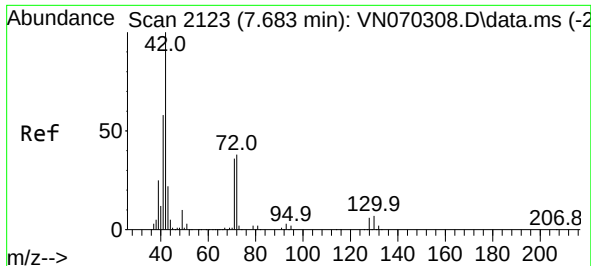
Ion Ratio Lower Upper

96 100

61 157.0 0.0 275.0

98 66.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.433 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

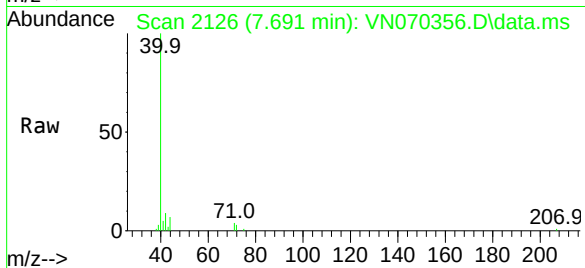
Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

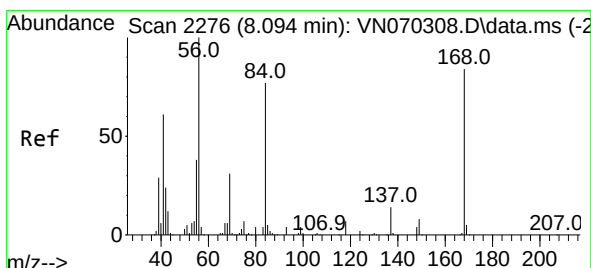
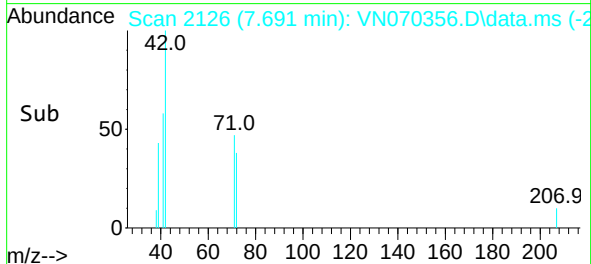
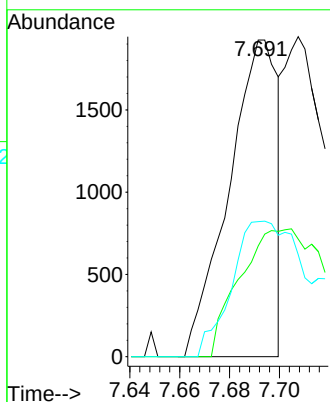
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	2605
Ion	Ratio	Lower	Upper
42	100		
72	74.0	36.3	54.5#
71	77.6	34.7	52.1#



#31

Cyclohexane

Concen: 1.050 ug/l

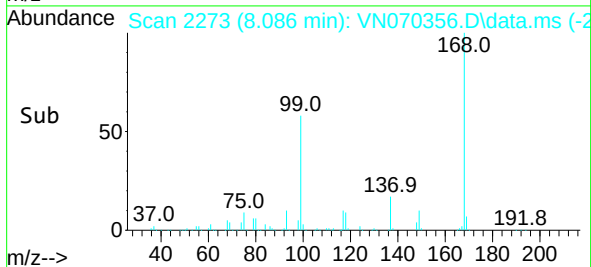
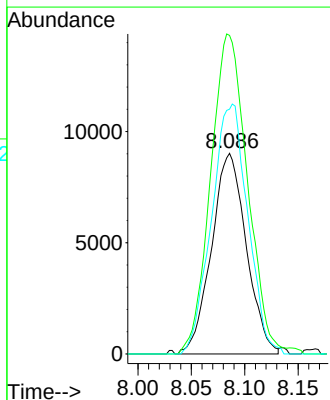
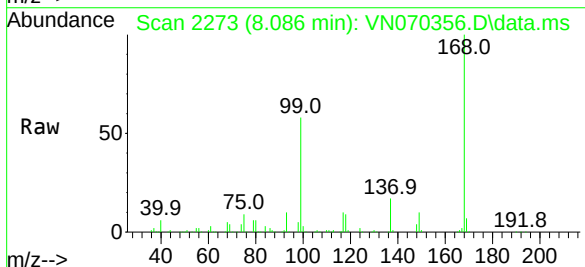
RT: 8.086 min Scan# 2273

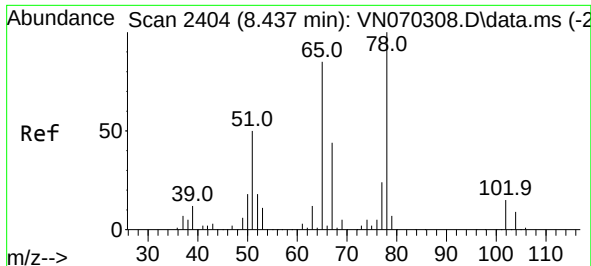
Delta R.T. -0.008 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

Tgt Ion:	56	Resp:	20453
Ion	Ratio	Lower	Upper
56	100		
69	158.8	27.1	40.7#
84	122.0	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 54.142 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

Instrument :

MSVOA_N

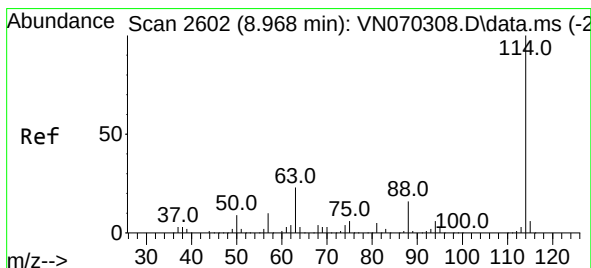
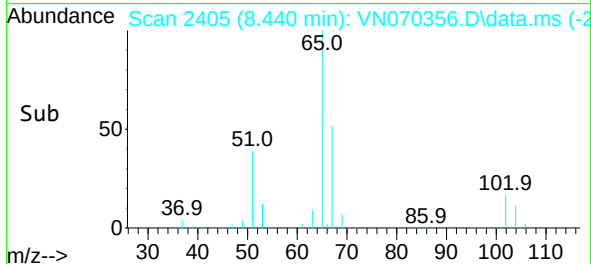
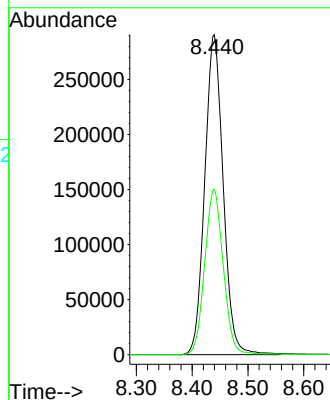
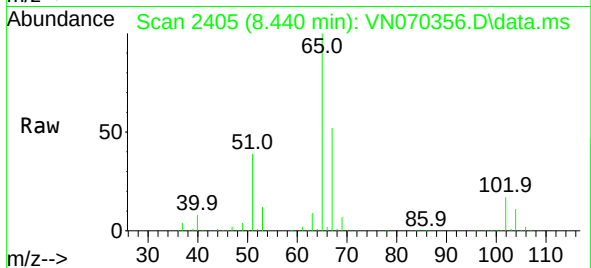
ClientSampleId :

Tgt Ion: 65 Resp: 668029

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

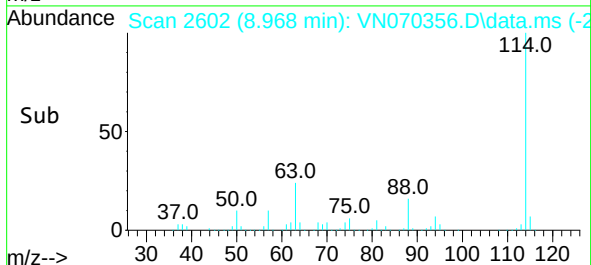
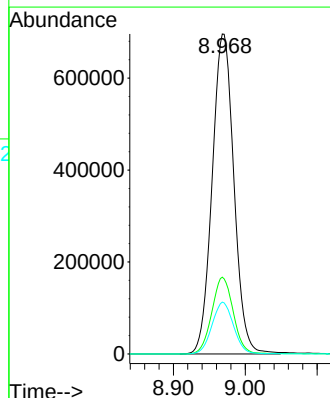
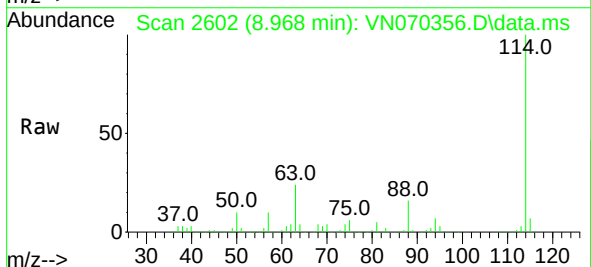
Tgt Ion: 114 Resp: 1461344

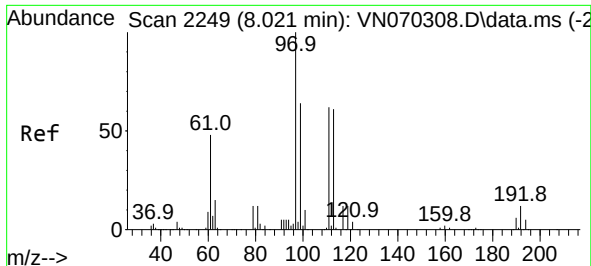
Ion Ratio Lower Upper

114 100

63 24.0 0.0 37.8

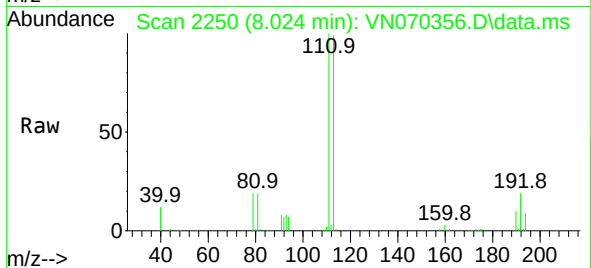
88 16.2 0.0 27.4



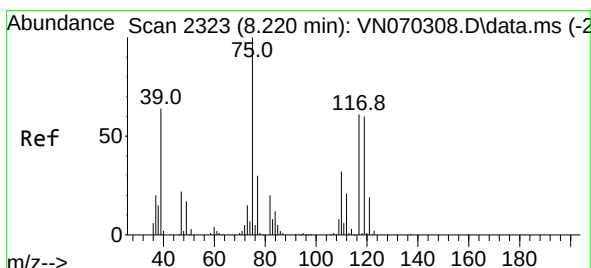
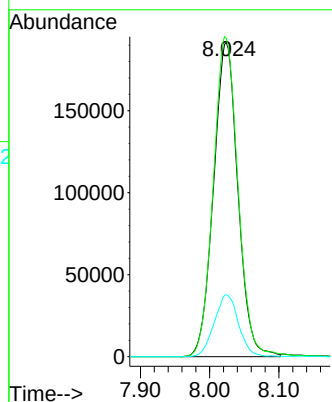
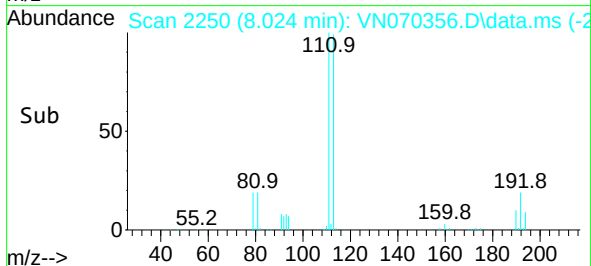


#35
Dibromofluoromethane
Concen: 52.935 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

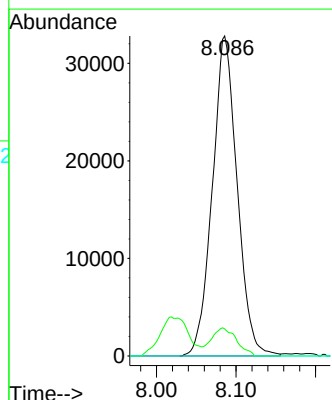
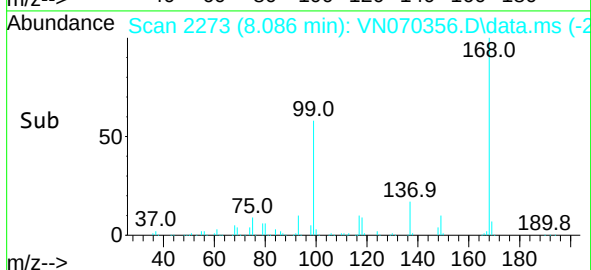
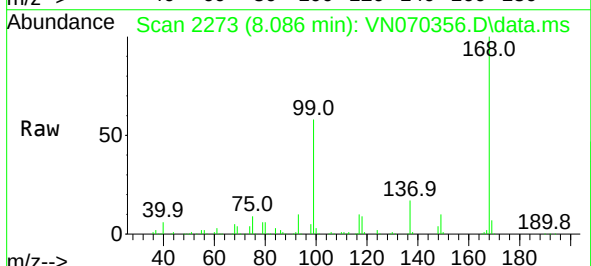


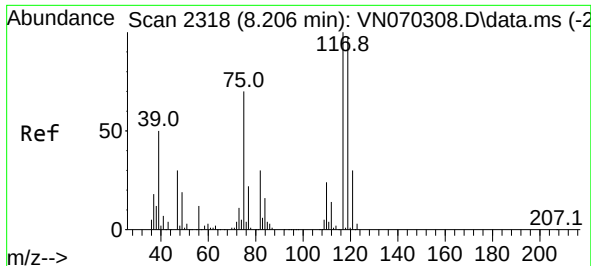
Tgt Ion:113 Resp: 468048
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

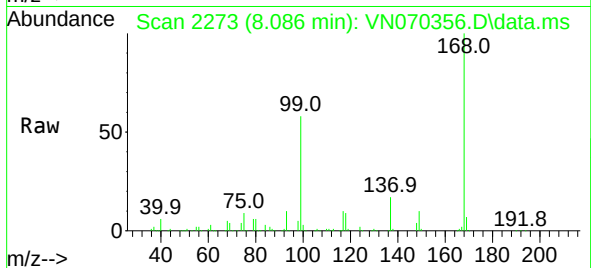
Tgt Ion: 75 Resp: 71221
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



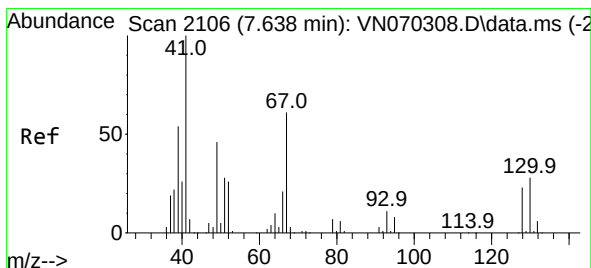
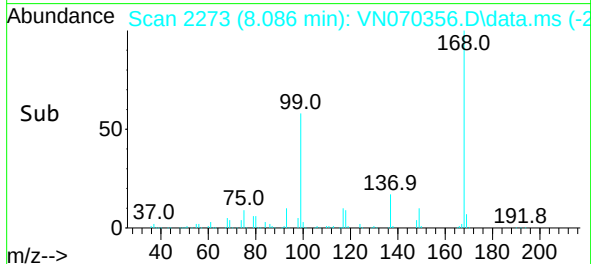
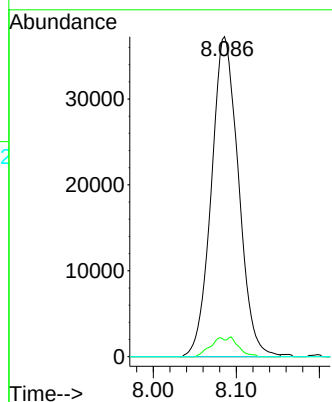


#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 8.086 min Scan# 2119
Delta R.T. -0.120 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :

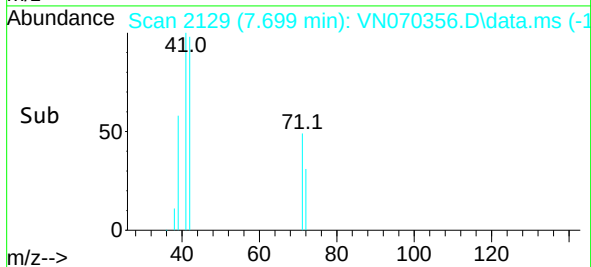
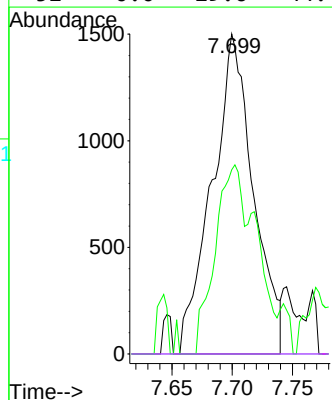
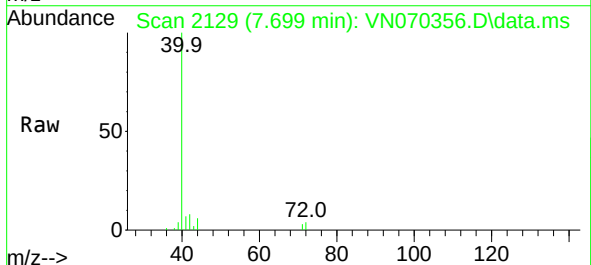


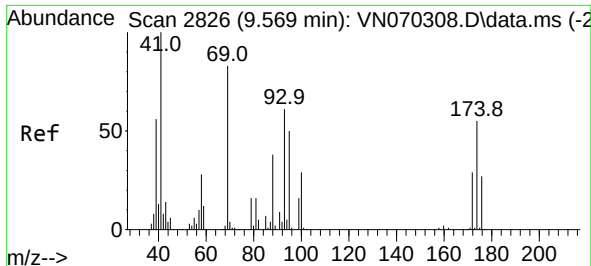
Tgt Ion:117 Resp: 84529
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.378 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Tgt Ion: 41 Resp: 3584
Ion Ratio Lower Upper
41 100
39 42.3 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#





#49

1,4-Dioxane

Concen: 2.051 ug/l

RT: 9.572 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070356.D

Acq: 29 Dec 2021 18:23

Instrument :

MSVOA_N

ClientSampleId :

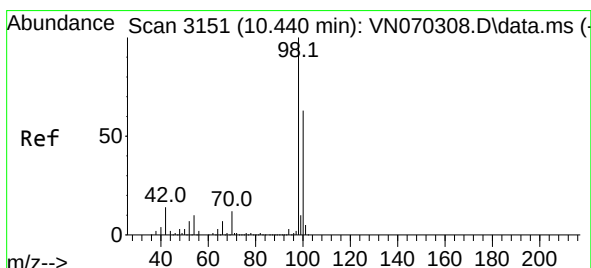
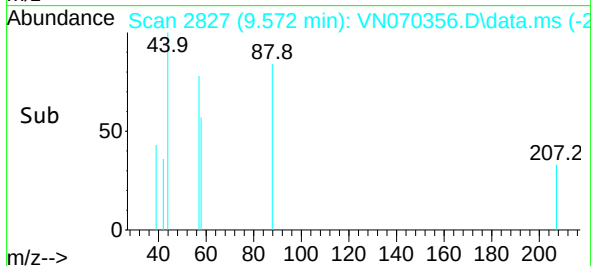
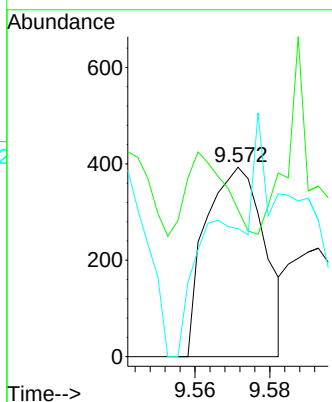
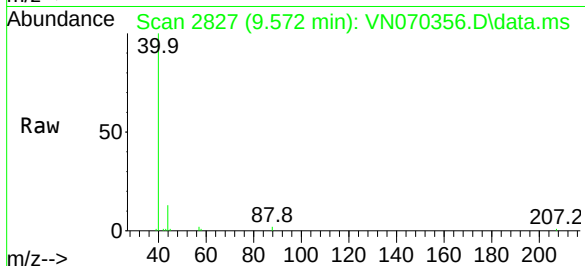
Tgt Ion: 88 Resp: 428

Ion Ratio Lower Upper

88 100

43 52.3 23.4 35.2#

58 55.4 50.6 75.8



#50

Toluene-d8

Concen: 48.877 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VN070356.D

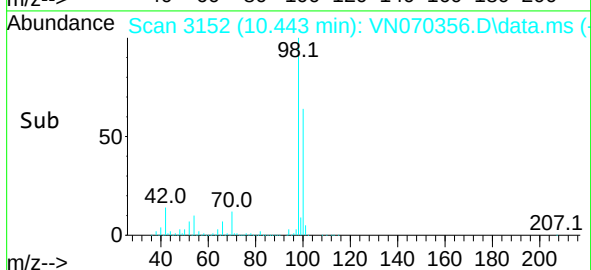
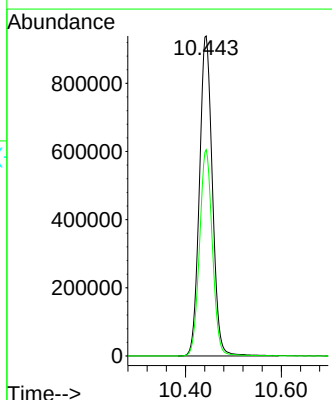
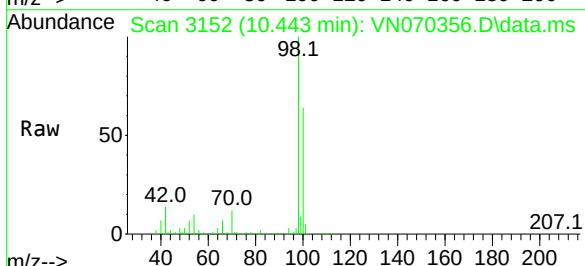
Acq: 29 Dec 2021 18:23

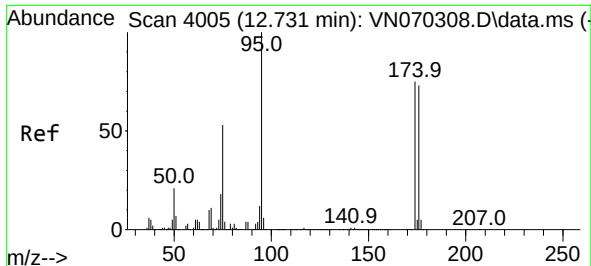
Tgt Ion: 98 Resp: 1765445

Ion Ratio Lower Upper

98 100

100 64.1 50.4 75.6

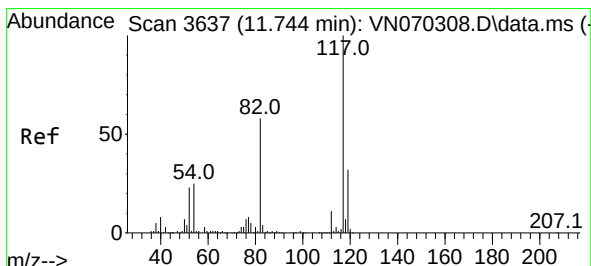
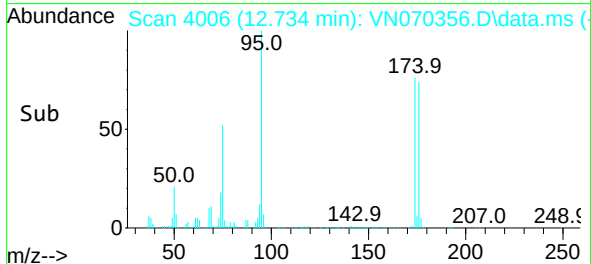
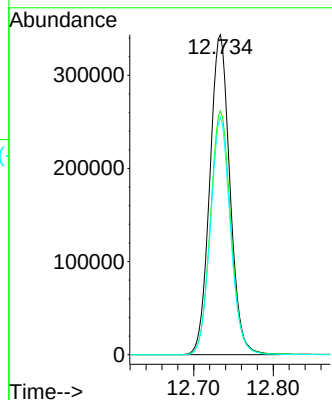
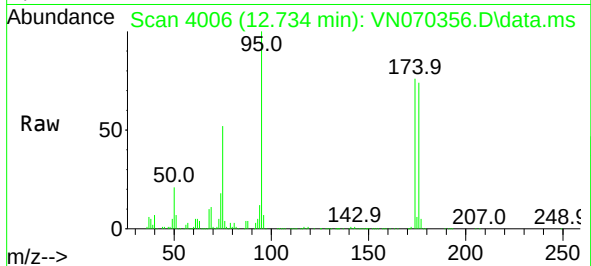




#62
4-Bromofluorobenzene
Concen: 46.368 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

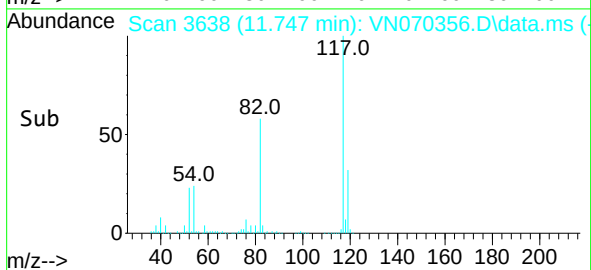
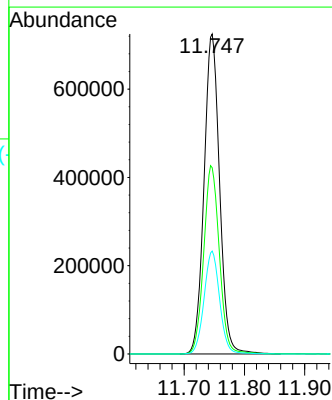
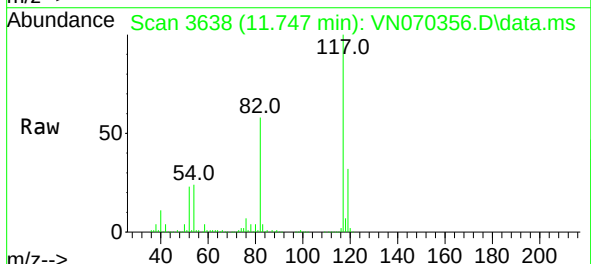
Instrument :
MSVOA_N
ClientSampleId :

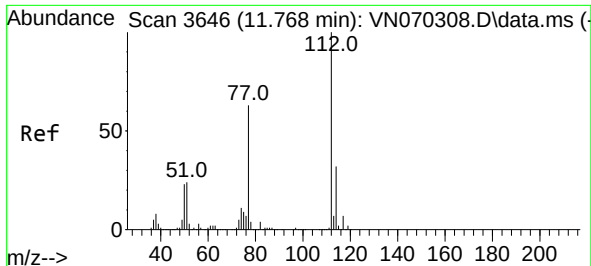
Tgt Ion: 95 Resp: 604909
Ion Ratio Lower Upper
95 100
174 77.2 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Tgt Ion: 117 Resp: 1300420
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.2 25.4 38.2

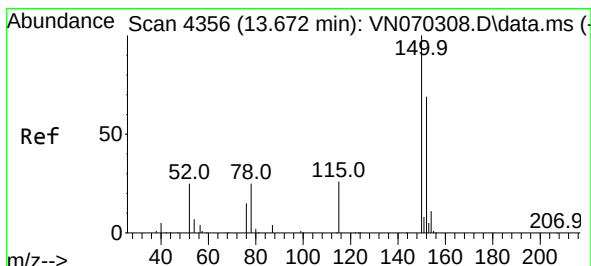
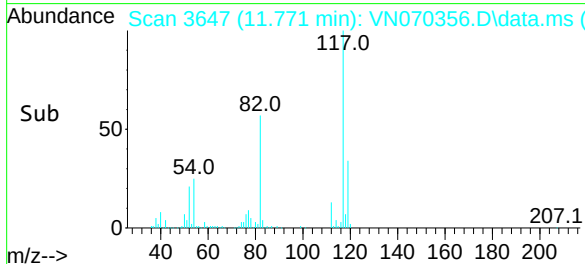
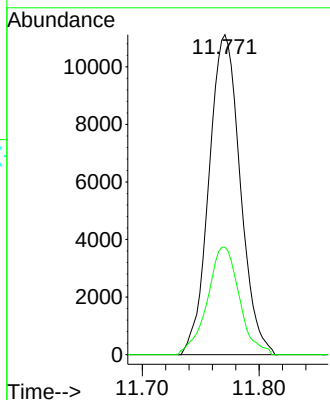
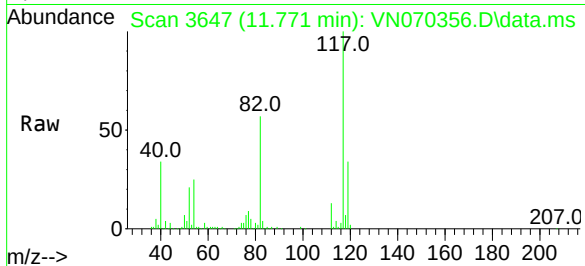




#65
Chlorobenzene
Concen: 0.749 ug/l
RT: 11.771 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

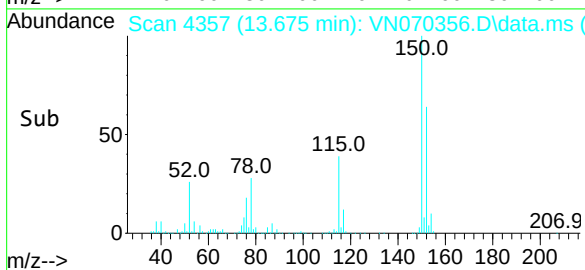
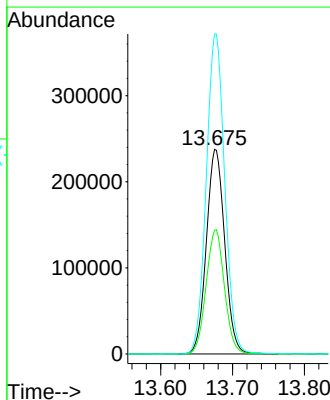
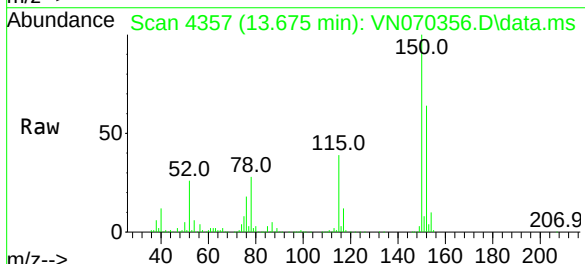
Instrument :
MSVOA_N
ClientSampleId :

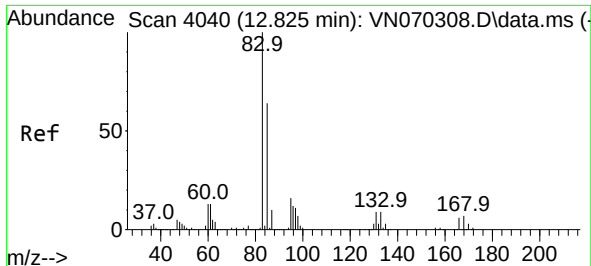
Tgt Ion:112 Resp: 20666
Ion Ratio Lower Upper
112 100
114 33.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Tgt Ion:152 Resp: 422134
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.3 0.0 344.4

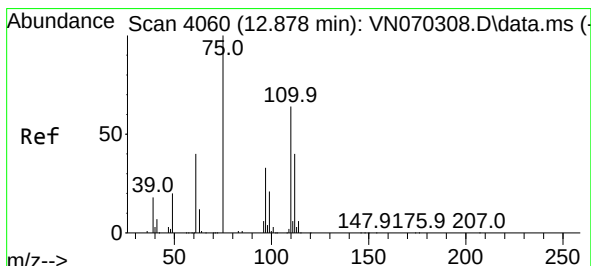
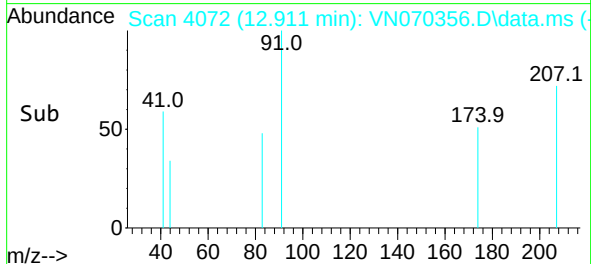
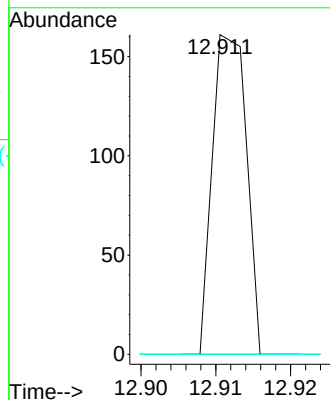
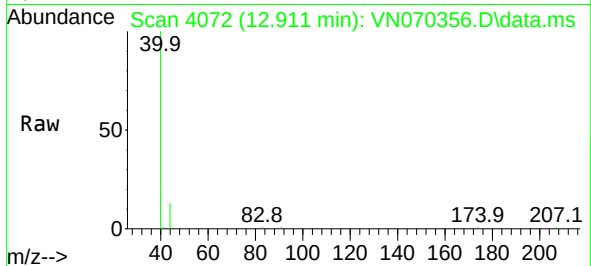




#75
1,1,2,2-Tetrachloroethane
Concen: 0.451 ug/l
RT: 12.911 min Scan# 4072
Delta R.T. 0.086 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

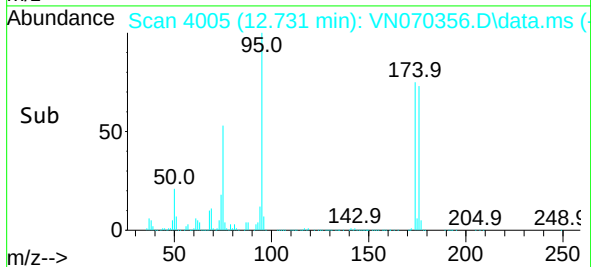
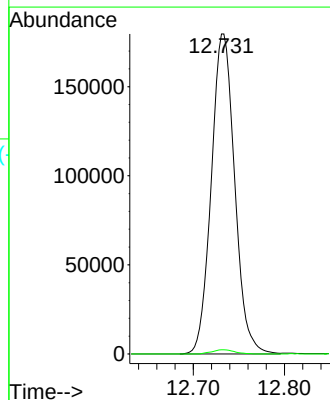
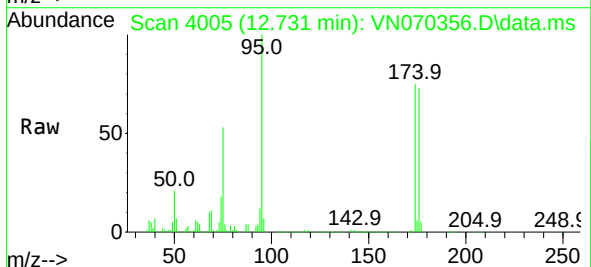
Instrument :
MSVOA_N
ClientSampleId :

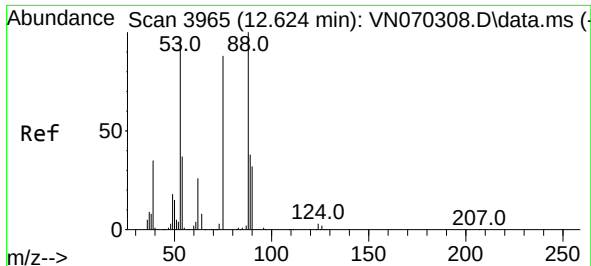
Tgt Ion: 83 Resp: 51
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.956 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

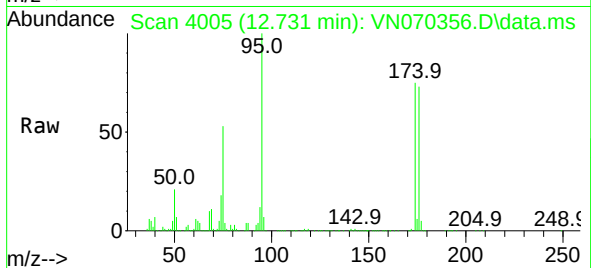
Tgt Ion: 75 Resp: 320220
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



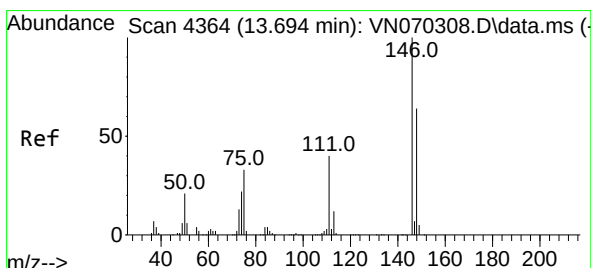
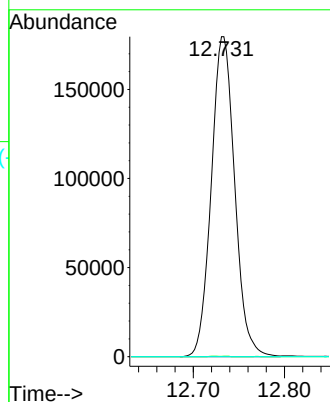
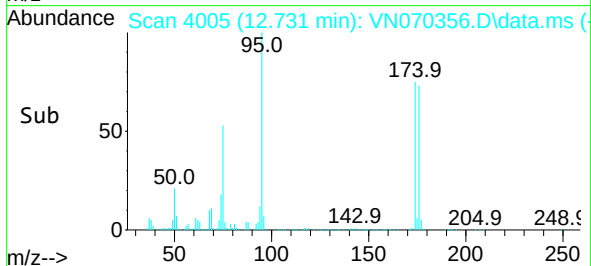


#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.680 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. 0.107 min
 Lab File: VN070356.D
 Acq: 29 Dec 2021 18:23

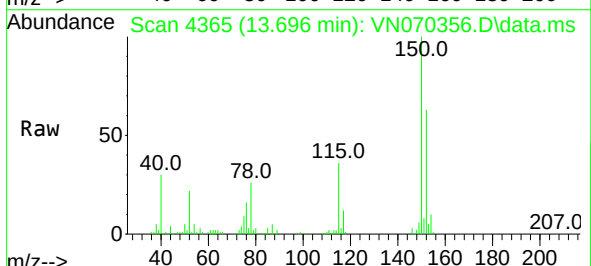
Instrument :
 MSVOA_N
 ClientSampleId :



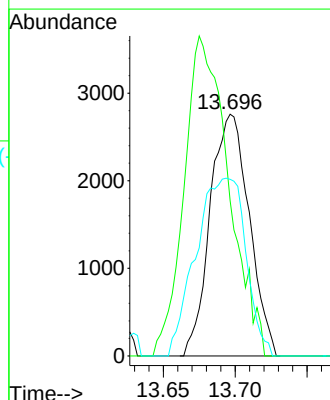
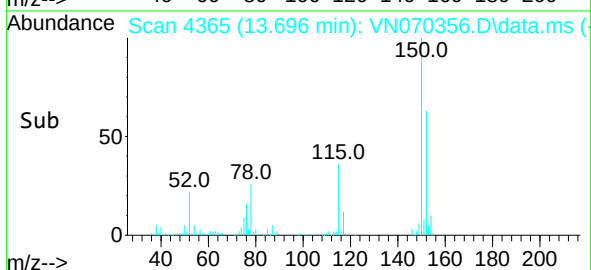
Tgt Ion: 75 Resp: 320220
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

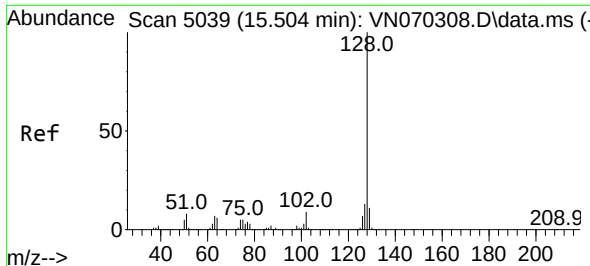


#88
 1,4-Dichlorobenzene
 Concen: 0.351 ug/l
 RT: 13.696 min Scan# 4365
 Delta R.T. 0.002 min
 Lab File: VN070356.D
 Acq: 29 Dec 2021 18:23



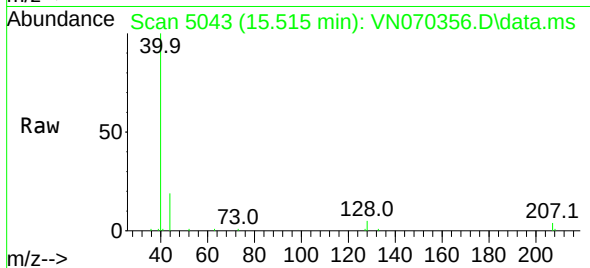
Tgt Ion: 146 Resp: 5218
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.8#
 148 93.7 31.8 95.4



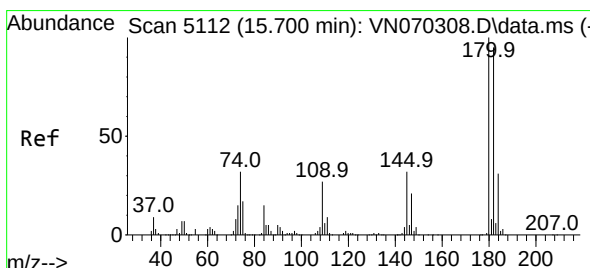
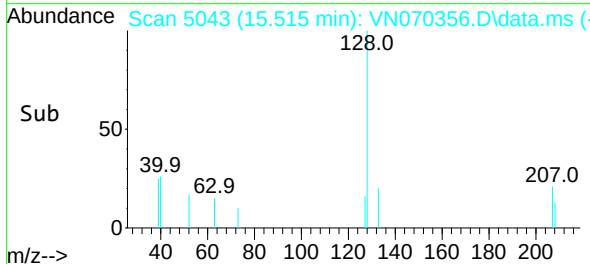
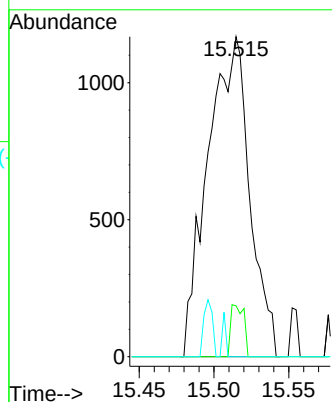


#95
Naphthalene
Concen: 1.911 ug/l
RT: 15.515 min Scan# 5039
Delta R.T. 0.011 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2273
Ion Ratio Lower Upper
128 100
127 5.0 10.5 15.7#
129 1.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.841 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.003 min
Lab File: VN070356.D
Acq: 29 Dec 2021 18:23

Tgt Ion:180 Resp: 104
Ion Ratio Lower Upper
180 100
182 463.5 47.4 142.2#
145 0.0 15.0 45.1#

