

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070464.D
 Acq On : 4 Jan 2022 15:27
 Operator : JC/MD
 Sample : N1003-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 03:17:07 2022
 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	954848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1614632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1394757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	463526	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	694440	50.582	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.160%
35) Dibromofluoromethane	8.021	113	478504	48.980	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.960%
50) Toluene-d8	10.440	98	1914440	47.970	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.940%
62) 4-Bromofluorobenzene	12.731	95	671002	46.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.100%

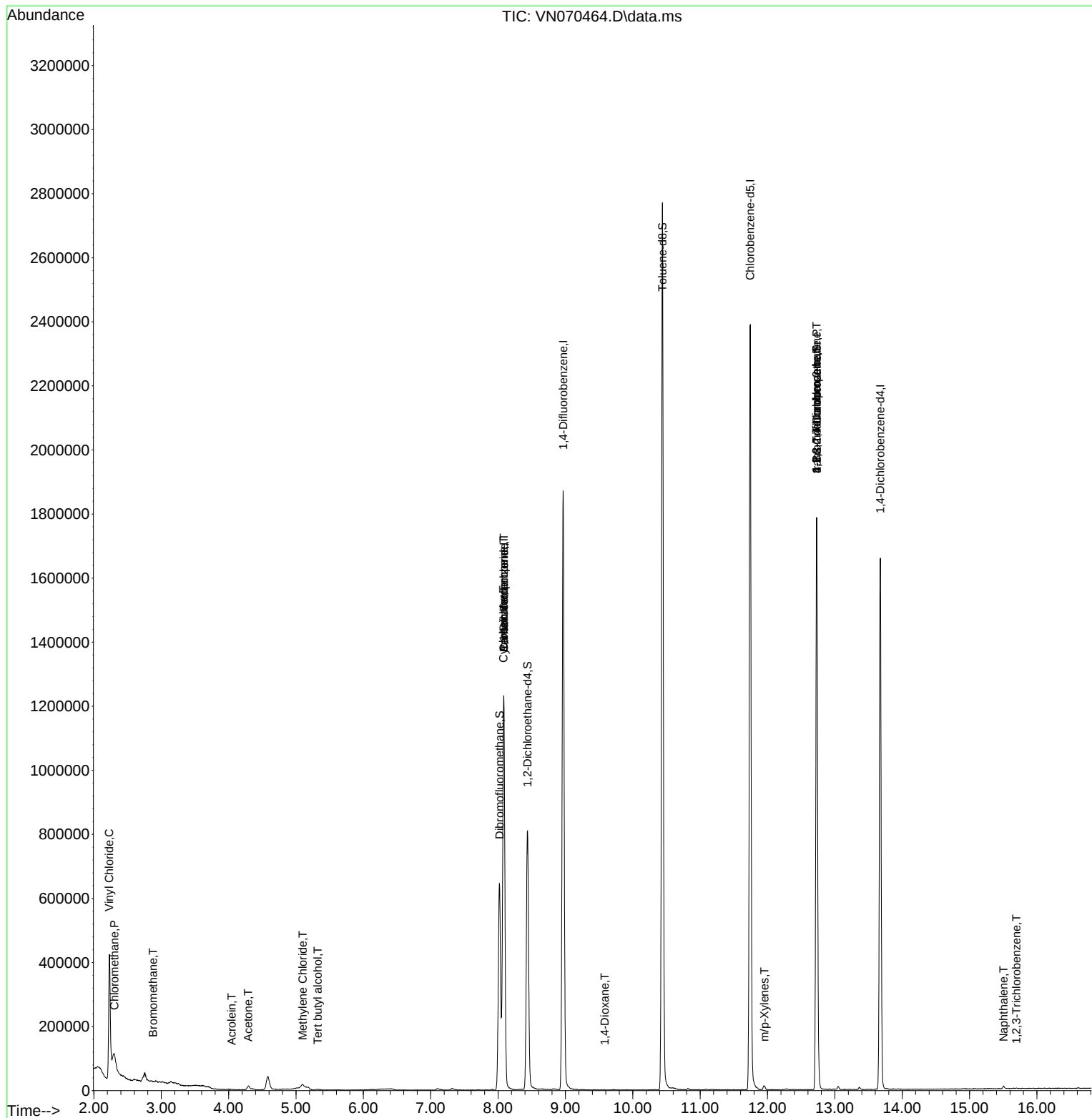
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.303	50	5725	0.389	ug/l	90
4) Vinyl Chloride	2.228	62	3834	0.286	ug/l #	1
5) Bromomethane	2.877	94	1705	0.246	ug/l	94
11) Tert butyl alcohol	5.321	59	2097	0.917	ug/l #	71
13) Acrolein	4.044	56	1062	0.573	ug/l #	20
16) Acetone	4.291	43	16246	1.823	ug/l	98
20) Methylene Chloride	5.101	84	6921	0.561	ug/l	93
31) Cyclohexane	8.080	56	21078	0.973	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	77342	4.786	ug/l #	49
38) Carbon Tetrachloride	8.086	117	93658	6.069	ug/l #	15
49) 1,4-Dioxane	9.585	88	52	0.225	ug/l #	27
68) m/p-Xylenes	11.956	106	4477	0.227	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.731	83	293	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	350000	26.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	350000	92.254	ug/l #	5
95) Naphthalene	15.504	128	7655	2.146	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.694	180	652	0.914	ug/l #	60

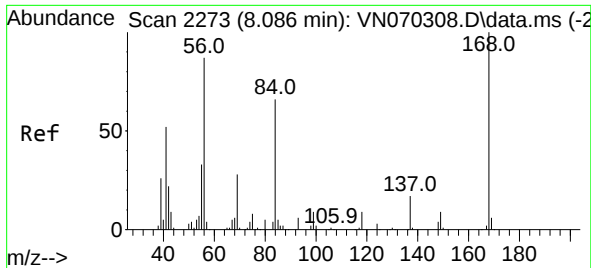
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

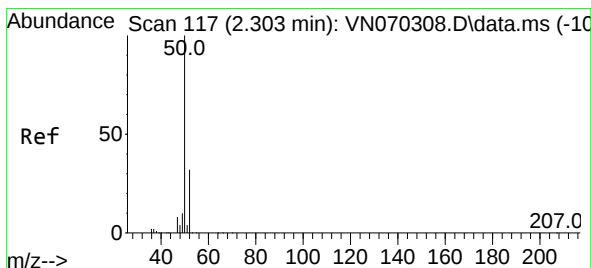
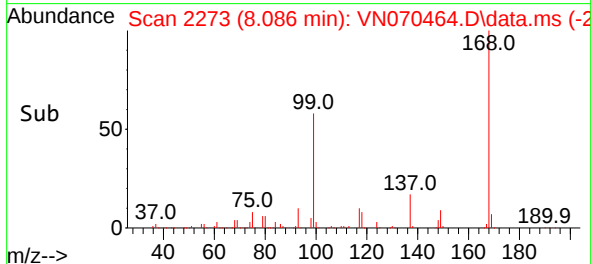
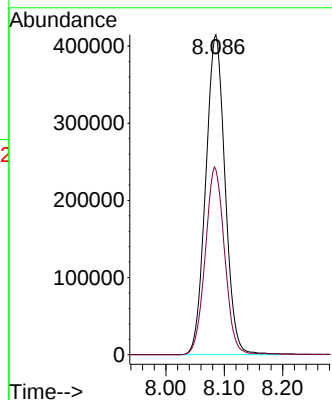
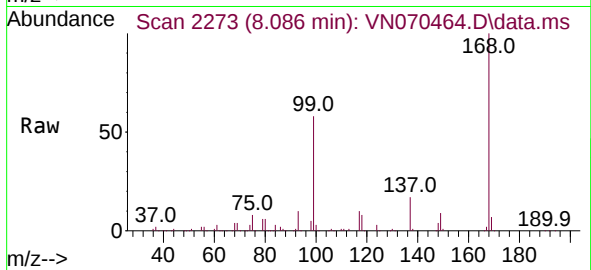




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

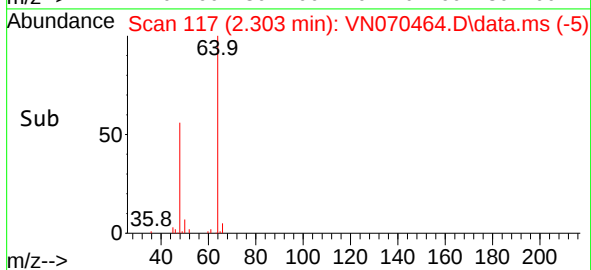
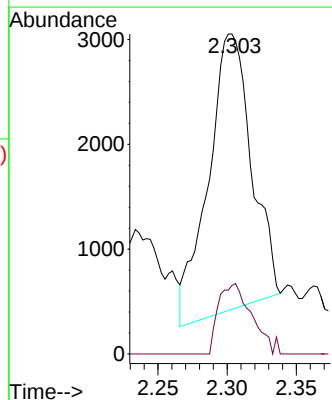
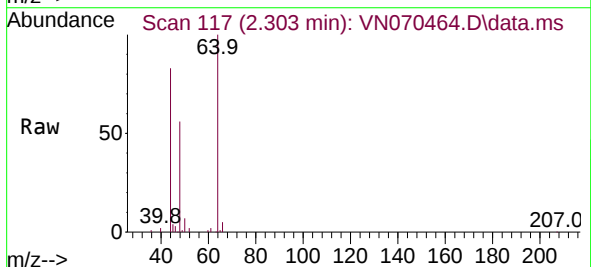
Instrument :
MSVOA_N
ClientSampleId :

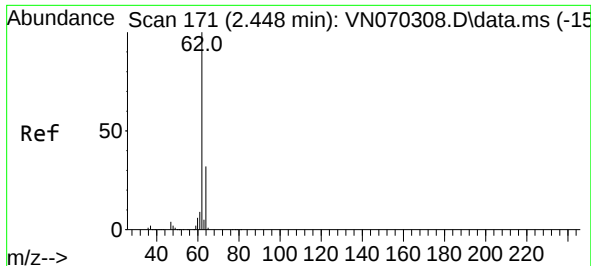
Tgt Ion:168 Resp: 954848
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9



#3
Chloromethane
Concen: 0.389 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

Tgt Ion: 50 Resp: 5725
Ion Ratio Lower Upper
50 100
52 26.4 25.4 38.0

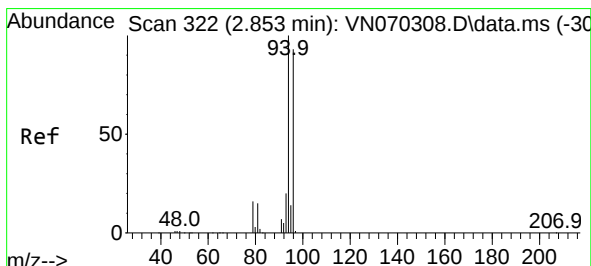
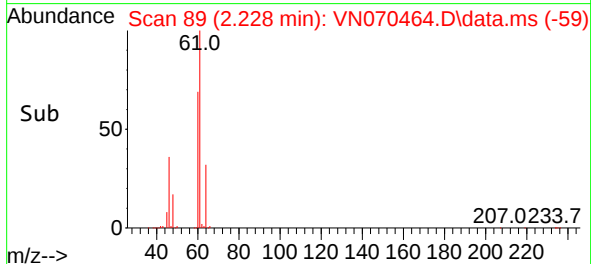
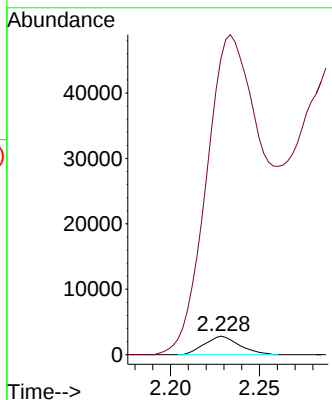
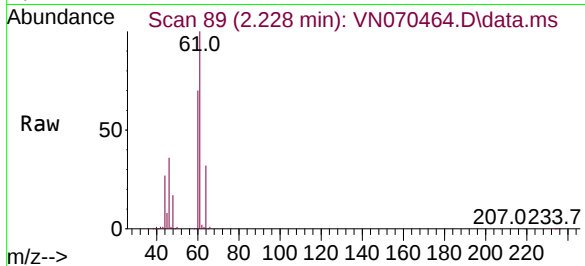




#4
 Vinyl Chloride
 Concen: 0.286 ug/l
 RT: 2.228 min Scan# 89
 Delta R.T. -0.220 min
 Lab File: VN070464.D
 Acq: 4 Jan 2022 15:27

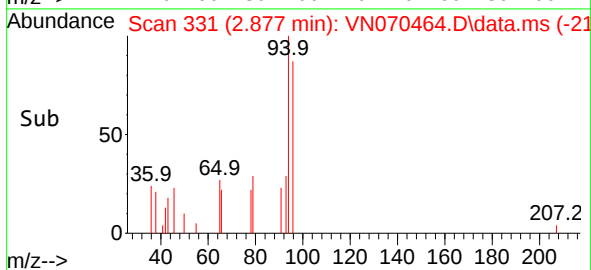
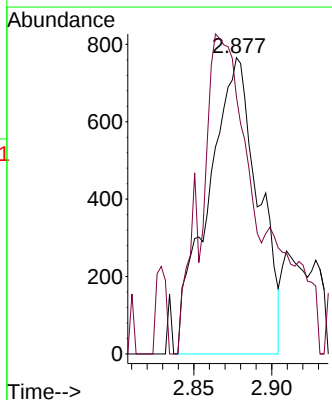
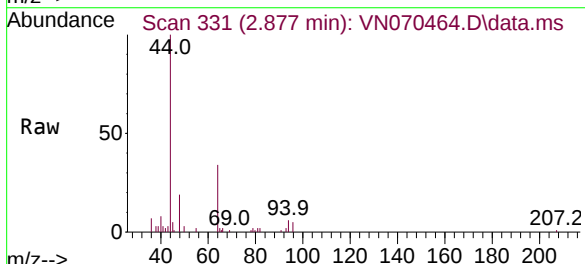
Instrument :
 MSVOA_N
 ClientSampleId :

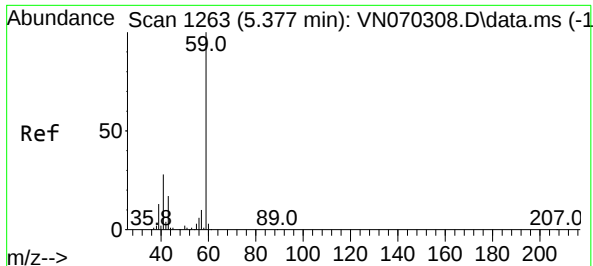
Tgt Ion: 62 Resp: 3834
 Ion Ratio Lower Upper
 62 100
 64 1516.6 25.8 38.6#



#5
 Bromomethane
 Concen: 0.246 ug/l
 RT: 2.877 min Scan# 331
 Delta R.T. 0.024 min
 Lab File: VN070464.D
 Acq: 4 Jan 2022 15:27

Tgt Ion: 94 Resp: 1705
 Ion Ratio Lower Upper
 94 100
 96 86.8 73.8 110.8





#11

Tert butyl alcohol

Concen: 0.917 ug/l

RT: 5.321 min Scan# 11

Delta R.T. -0.056 min

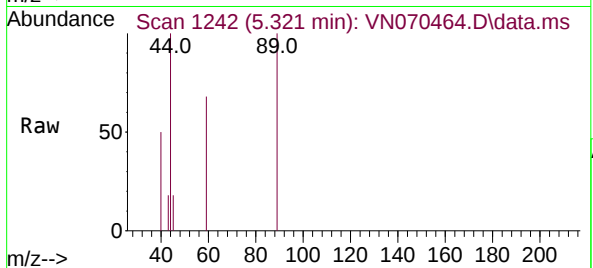
Lab File: VN070464.D

Acq: 4 Jan 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

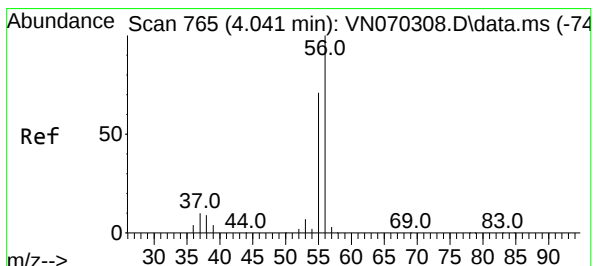
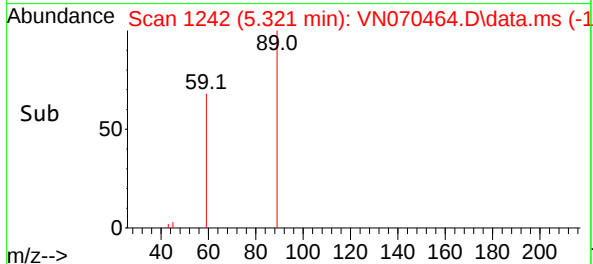
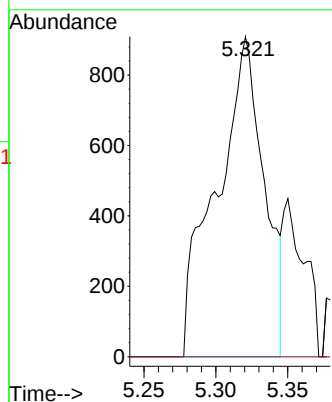


Tgt Ion: 59 Resp: 2097

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.573 ug/l

RT: 4.044 min Scan# 766

Delta R.T. 0.003 min

Lab File: VN070464.D

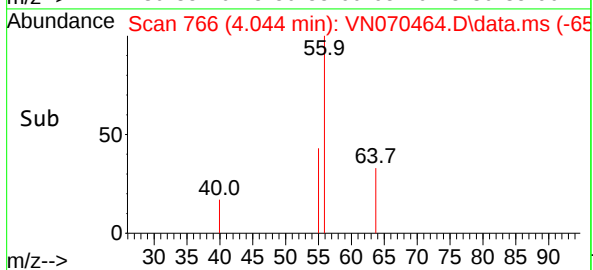
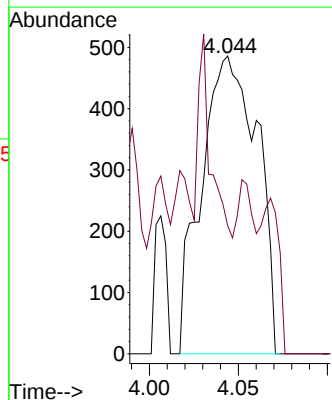
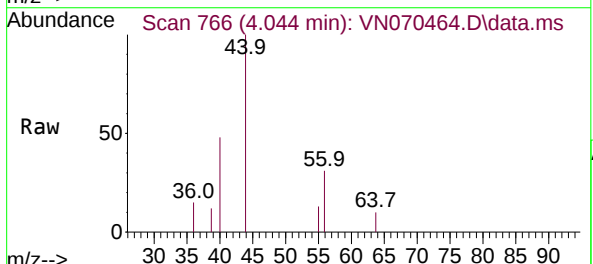
Acq: 4 Jan 2022 15:27

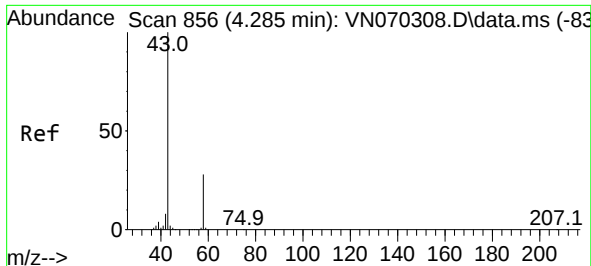
Tgt Ion: 56 Resp: 1062

Ion Ratio Lower Upper

56 100

55 4.9 56.6 85.0#

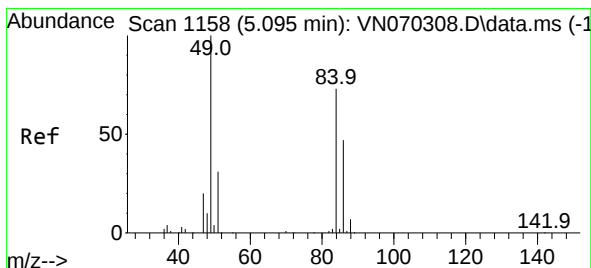
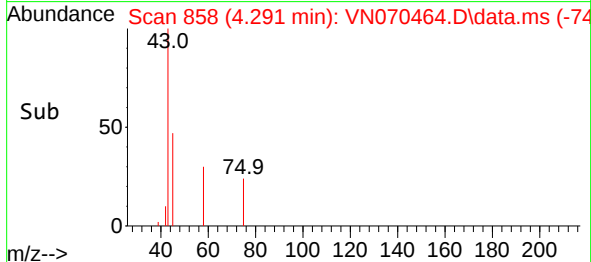
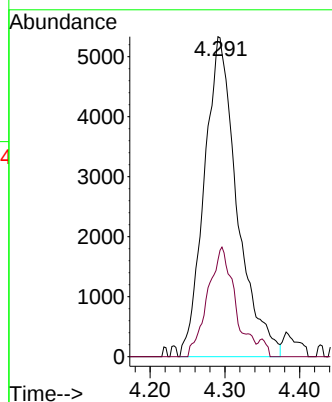
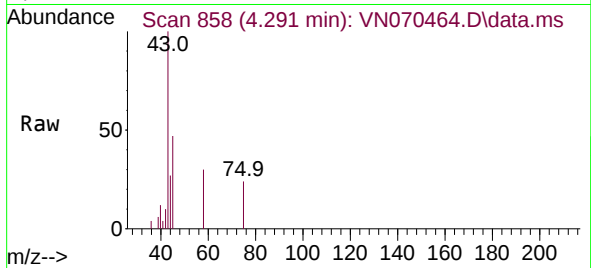




#16
Acetone
Concen: 1.823 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

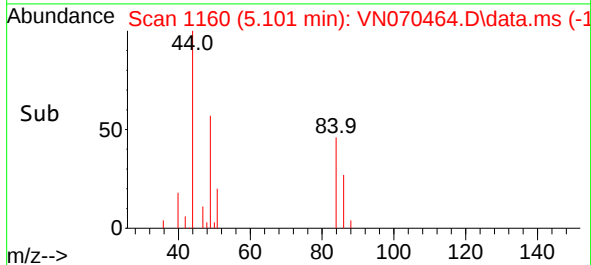
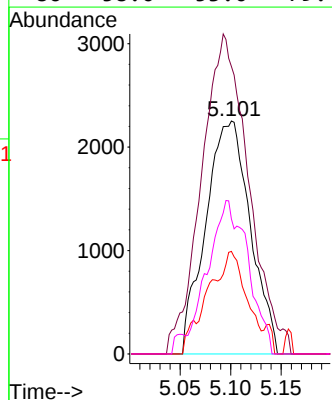
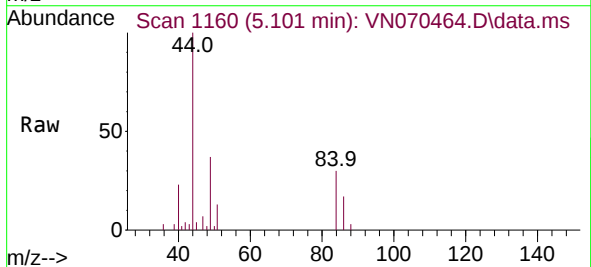
Instrument :
MSVOA_N
ClientSampleId :

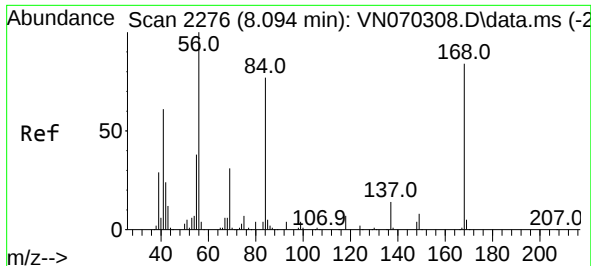
Tgt Ion: 43 Resp: 16246
Ion Ratio Lower Upper
43 100
58 30.2 23.1 34.7



#20
Methylene Chloride
Concen: 0.561 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

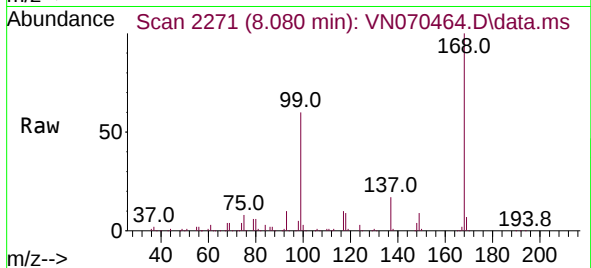
Tgt Ion: 84 Resp: 6921
Ion Ratio Lower Upper
84 100
49 113.4 93.5 140.3
51 44.0 29.4 44.2
86 58.0 53.0 79.4



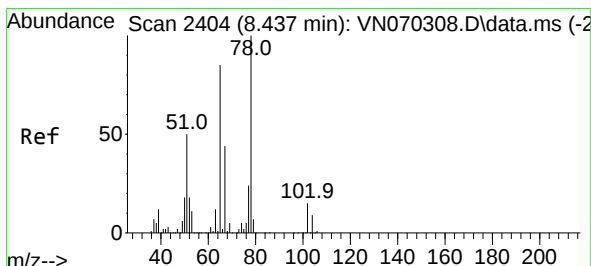
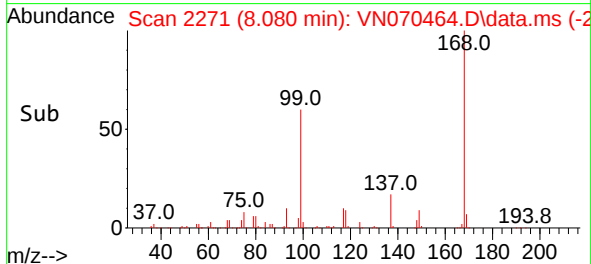
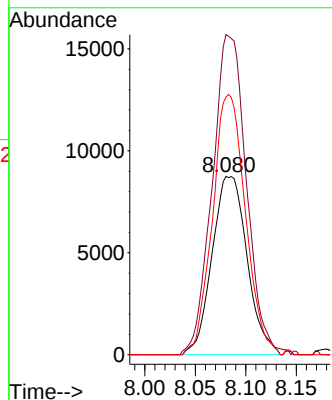


#31
Cyclohexane
Concen: 0.973 ug/l
RT: 8.080 min Scan# 21078
Delta R.T. -0.014 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

Instrument :
MSVOA_N
ClientSampleId :

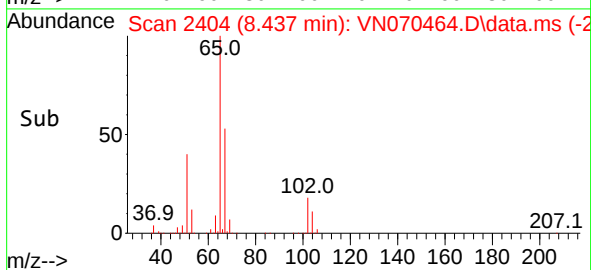
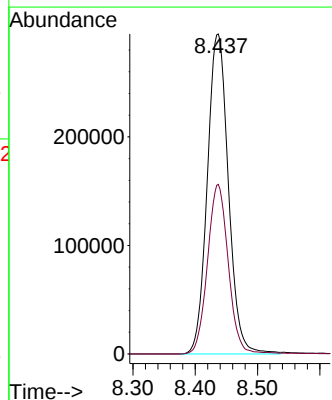
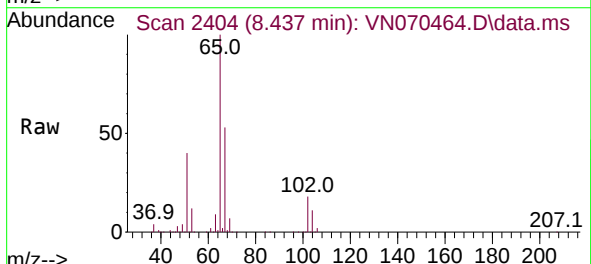


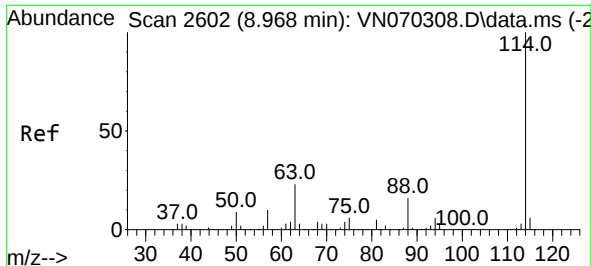
Tgt Ion: 56 Resp: 21078
Ion Ratio Lower Upper
56 100
69 179.6 27.1 40.7#
84 144.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.582 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

Tgt Ion: 65 Resp: 694440
Ion Ratio Lower Upper
65 100
67 52.2 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: VN070464.D

Acq: 4 Jan 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

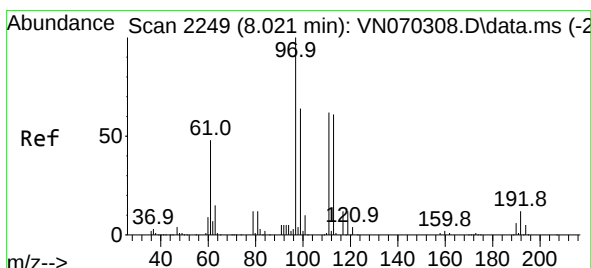
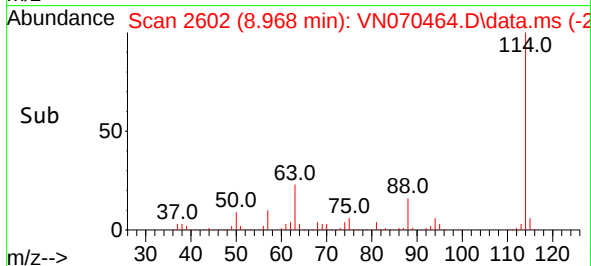
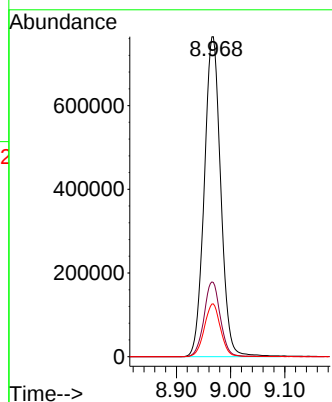
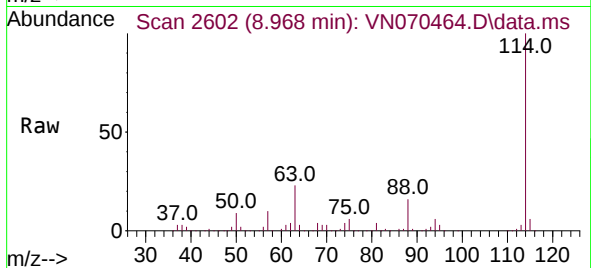
Tgt Ion:114 Resp: 1614632

Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.980 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. 0.000 min

Lab File: VN070464.D

Acq: 4 Jan 2022 15:27

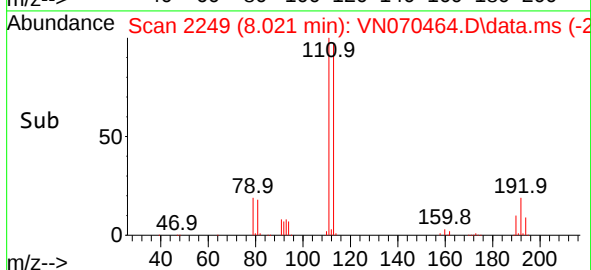
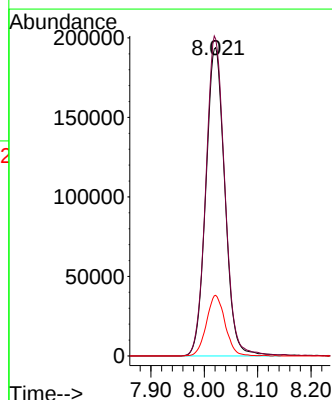
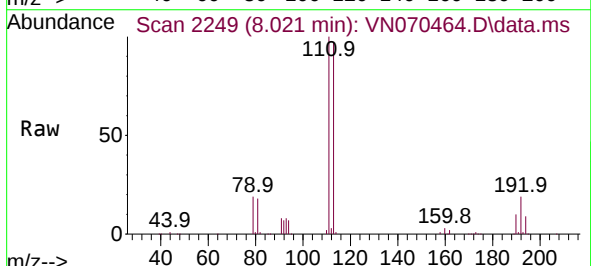
Tgt Ion:113 Resp: 478504

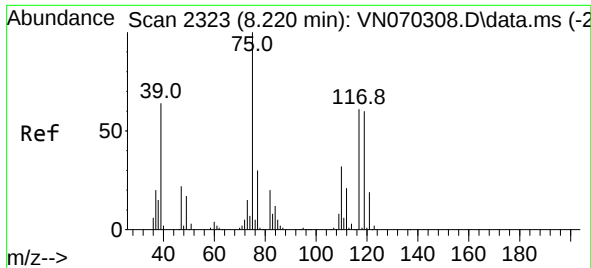
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

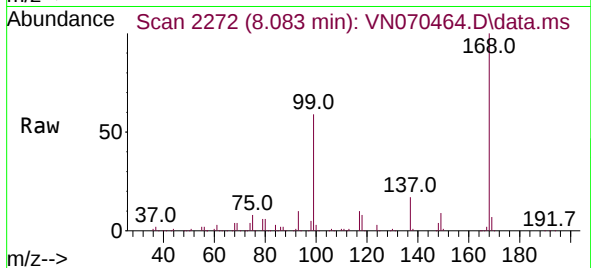
192 19.4 16.9 25.3



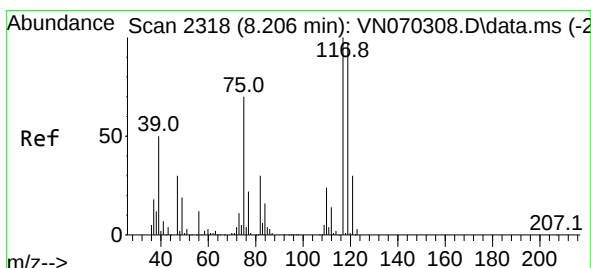
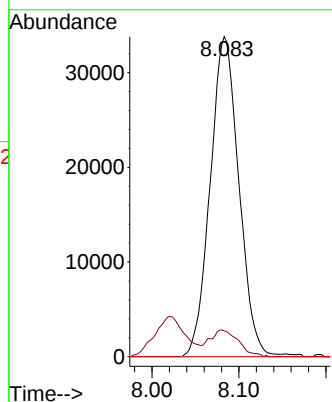
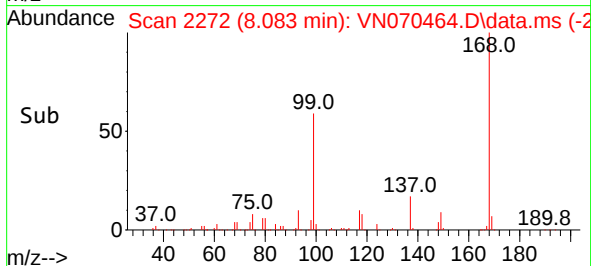


#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070464.D
 Acq: 4 Jan 2022 15:27

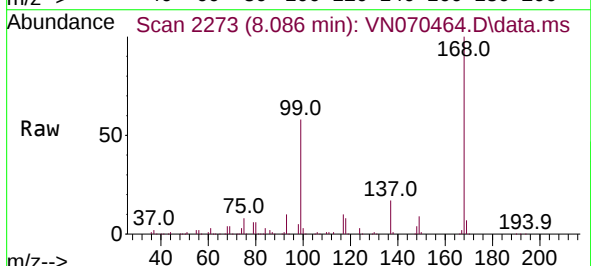
Instrument :
 MSVOA_N
 ClientSampleId :



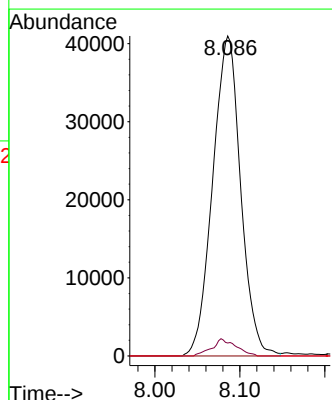
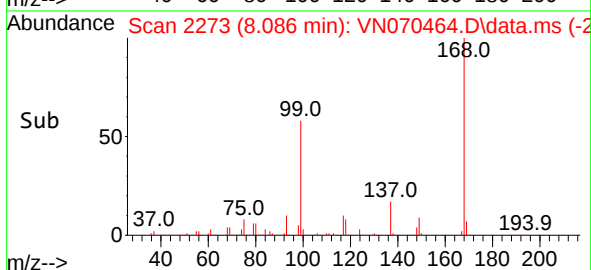
Tgt Ion: 75 Resp: 77342
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 24.4 36.6#

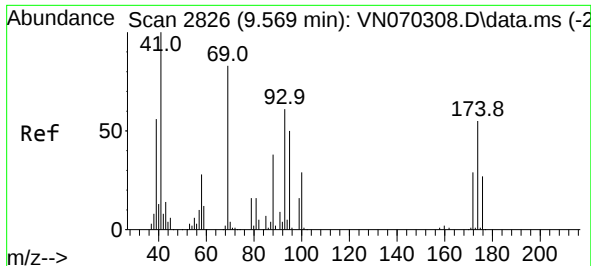


#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN070464.D
 Acq: 4 Jan 2022 15:27



Tgt Ion: 117 Resp: 93658
 Ion Ratio Lower Upper
 117 100
 119 4.0 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.225 ug/l

RT: 9.585 min Scan# 21

Delta R.T. 0.016 min

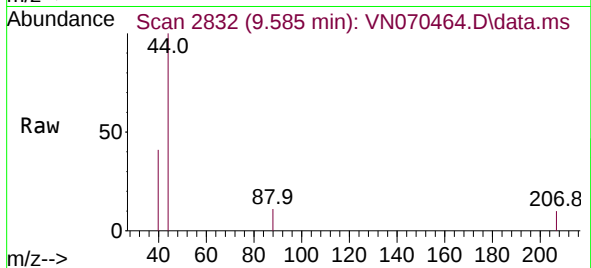
Lab File: VN070464.D

Acq: 4 Jan 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :



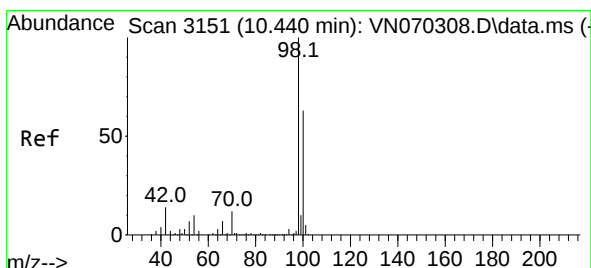
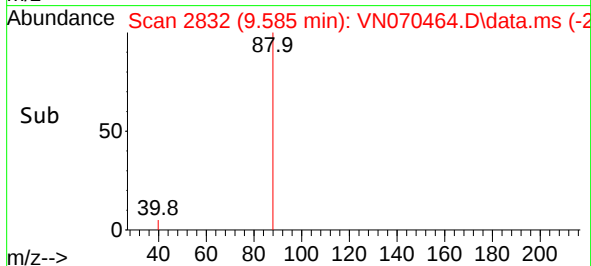
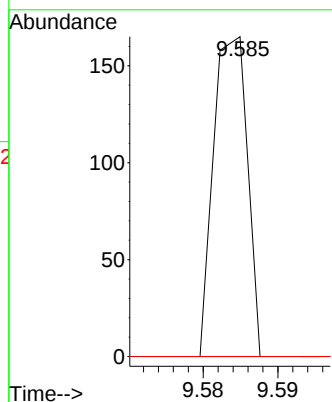
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 47.970 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070464.D

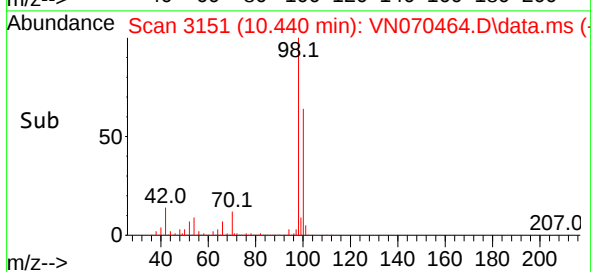
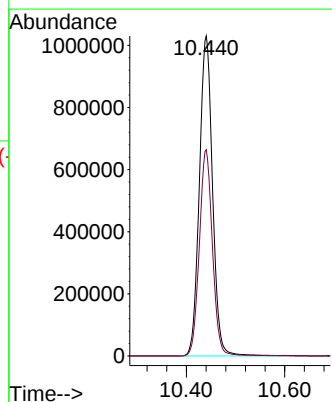
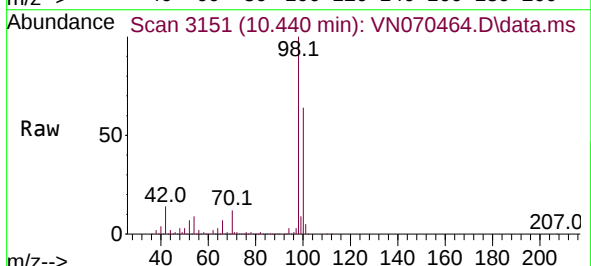
Acq: 4 Jan 2022 15:27

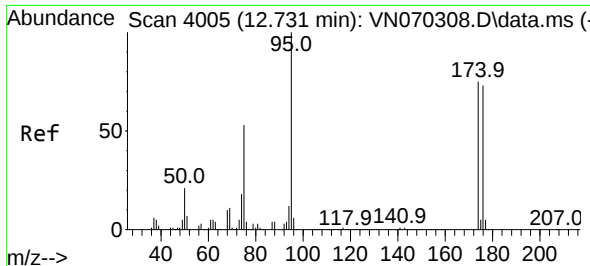
Tgt Ion: 98 Resp: 1914440

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

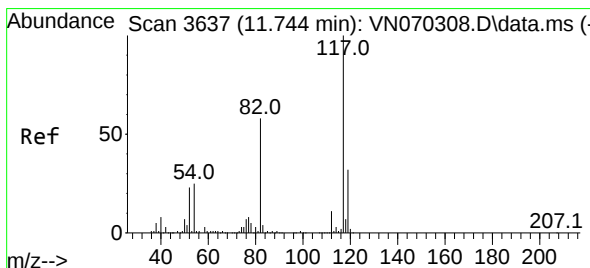
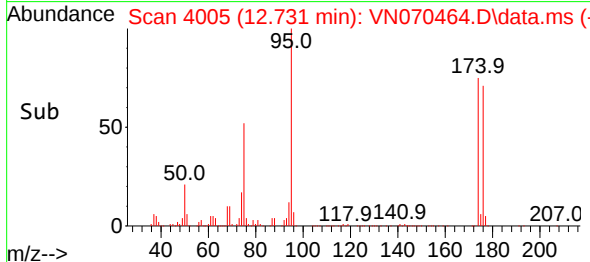
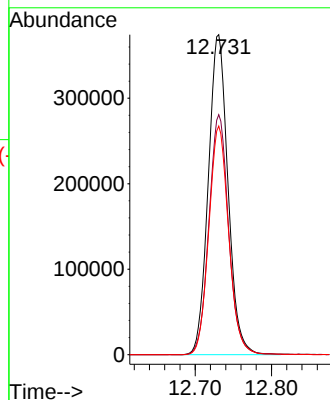
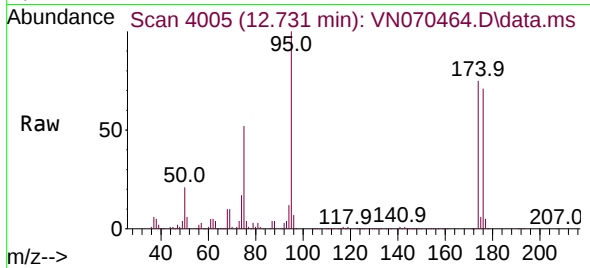




#62
4-Bromofluorobenzene
Concen: 46.551 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

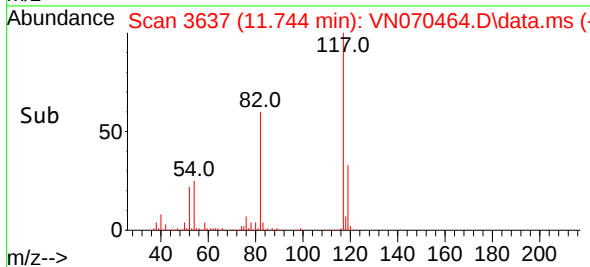
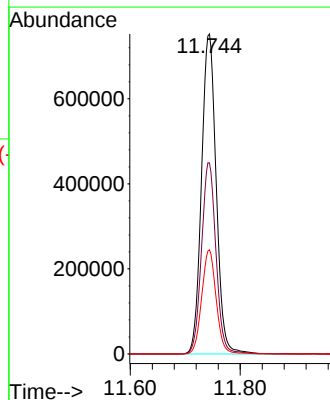
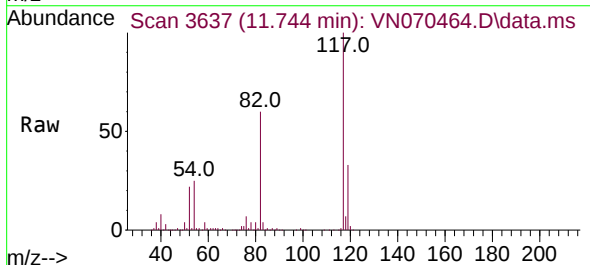
Instrument :
MSVOA_N
ClientSampleId :

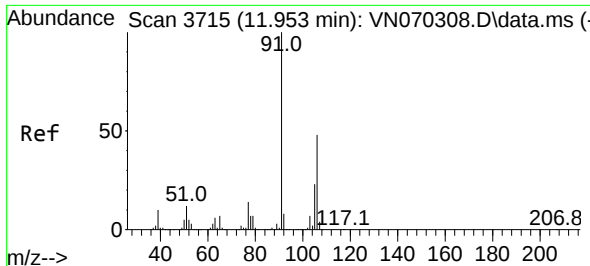
Tgt Ion: 95 Resp: 671002
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 71.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

Tgt Ion: 117 Resp: 1394757
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.6 25.4 38.2

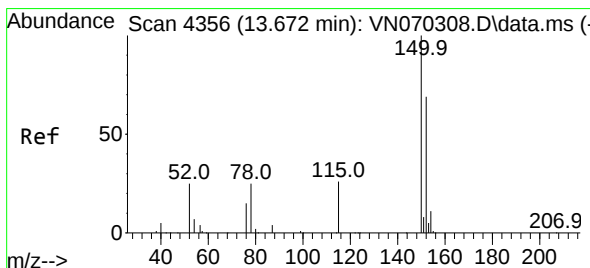
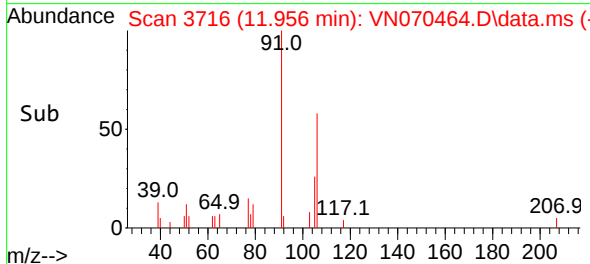
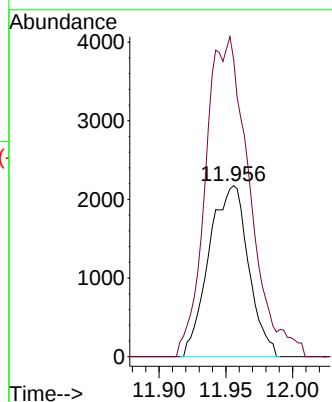
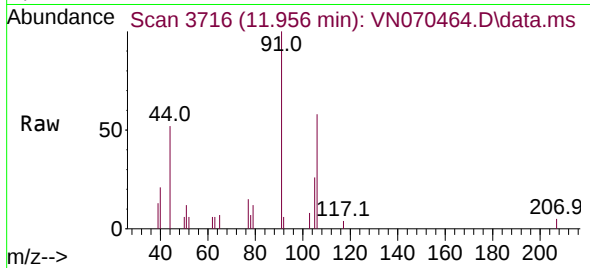




#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

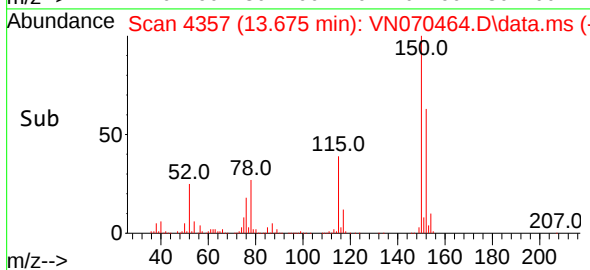
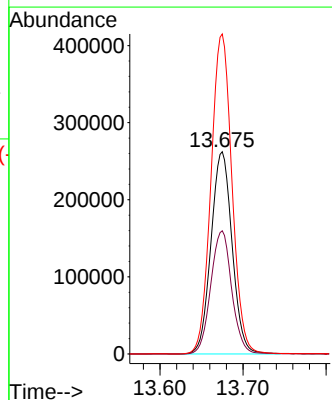
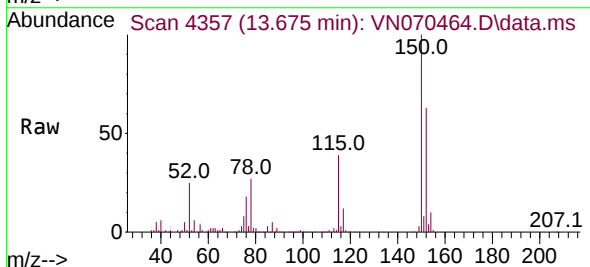
Instrument :
MSVOA_N
ClientSampleId :

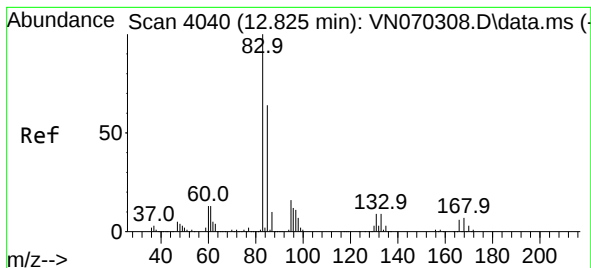
Tgt Ion:106 Resp: 4477
Ion Ratio Lower Upper
106 100
91 207.1 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

Tgt Ion:152 Resp: 463526
Ion Ratio Lower Upper
152 100
115 60.5 27.5 82.5
150 157.1 0.0 344.4





#75

1,1,2,2-Tetrachloroethane

Concen: 0.466 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.094 min

Lab File: VN070464.D

Acq: 4 Jan 2022 15:27

Instrument :

MSVOA_N

ClientSampleId :

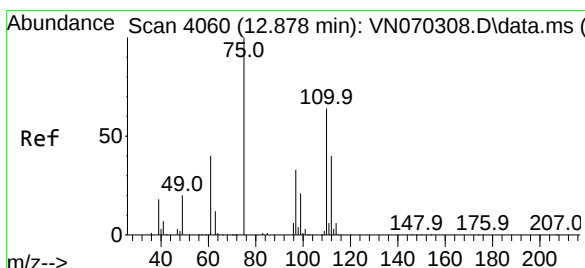
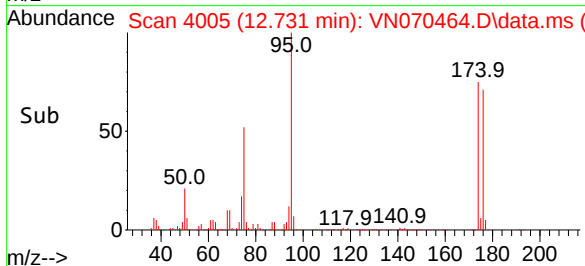
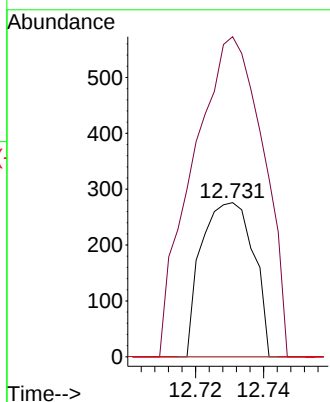
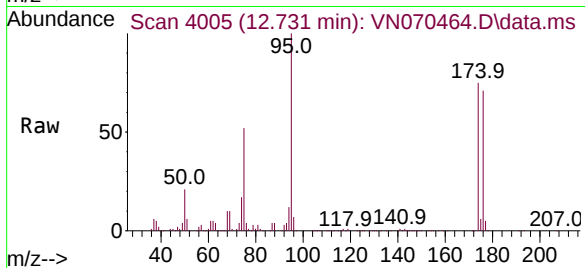
Tgt Ion: 83 Resp: 293

Ion Ratio Lower Upper

83 100

131 280.2 5.5 16.5#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 26.845 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.147 min

Lab File: VN070464.D

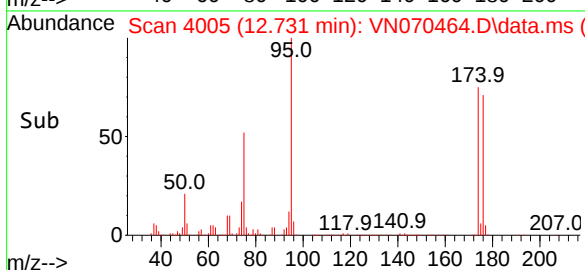
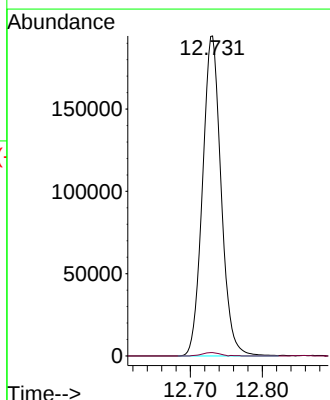
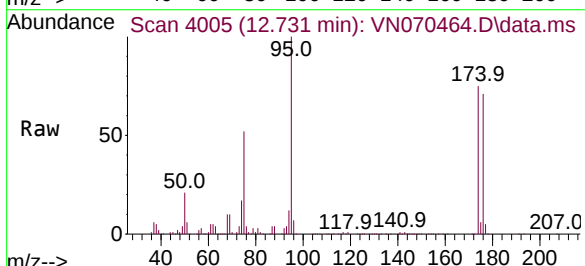
Acq: 4 Jan 2022 15:27

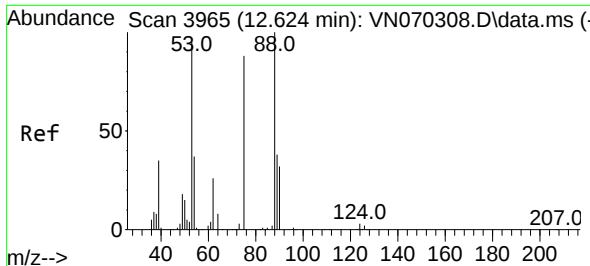
Tgt Ion: 75 Resp: 350000

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#

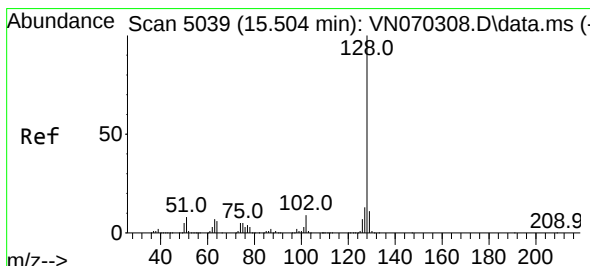
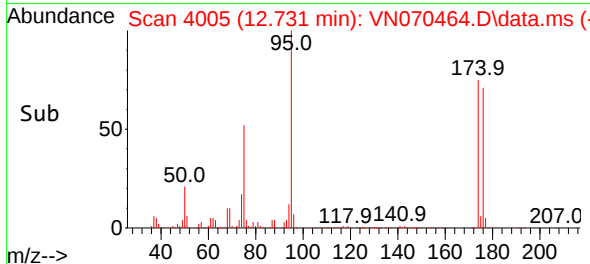
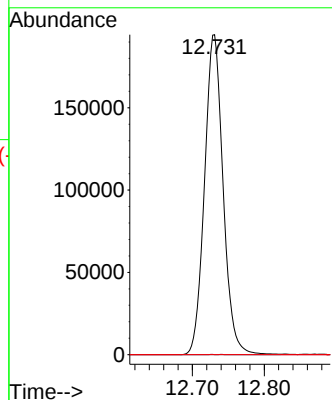
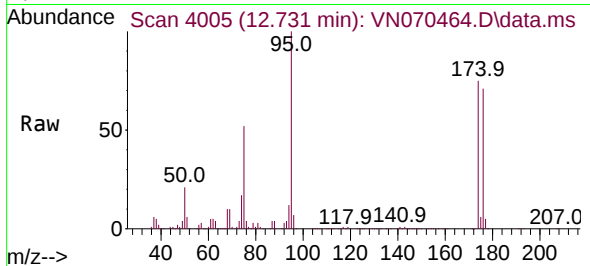




#81
trans-1,4-Dichloro-2-butene
Concen: 92.254 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

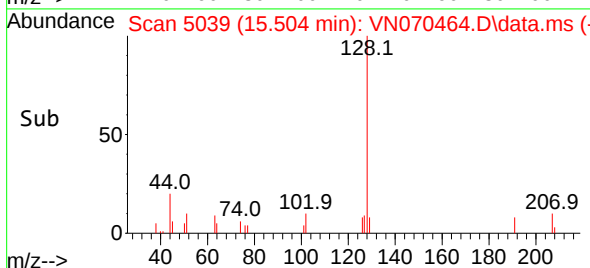
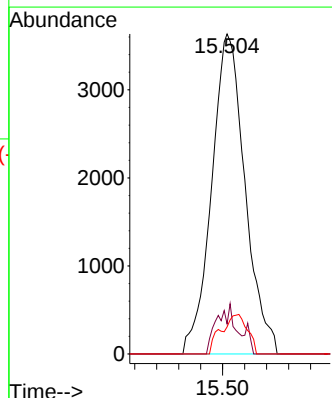
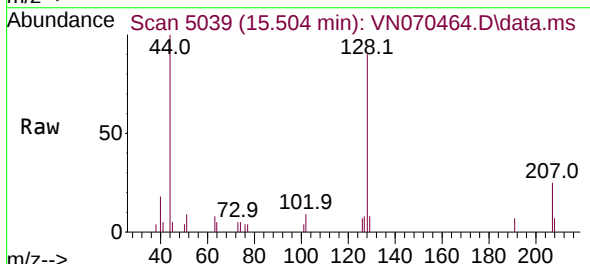
Instrument :
MSVOA_N
ClientSampleId :

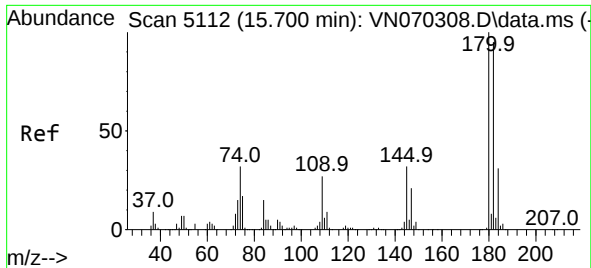
Tgt Ion: 75 Resp: 350000
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 2.146 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. 0.000 min
Lab File: VN070464.D
Acq: 4 Jan 2022 15:27

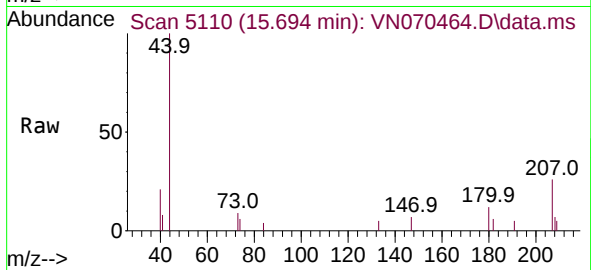
Tgt Ion: 128 Resp: 7655
Ion Ratio Lower Upper
128 100
127 8.6 10.5 15.7#
129 9.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.914 ug/l
 RT: 15.694 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN070464.D
 Acq: 4 Jan 2022 15:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	60.7	47.4	142.2
145	0.0	15.0	45.1#

