

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011922\
 Data File : VN070692.D
 Acq On : 19 Jan 2022 11:49
 Operator : JC/MD
 Sample : VN0119WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 20 03:34:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

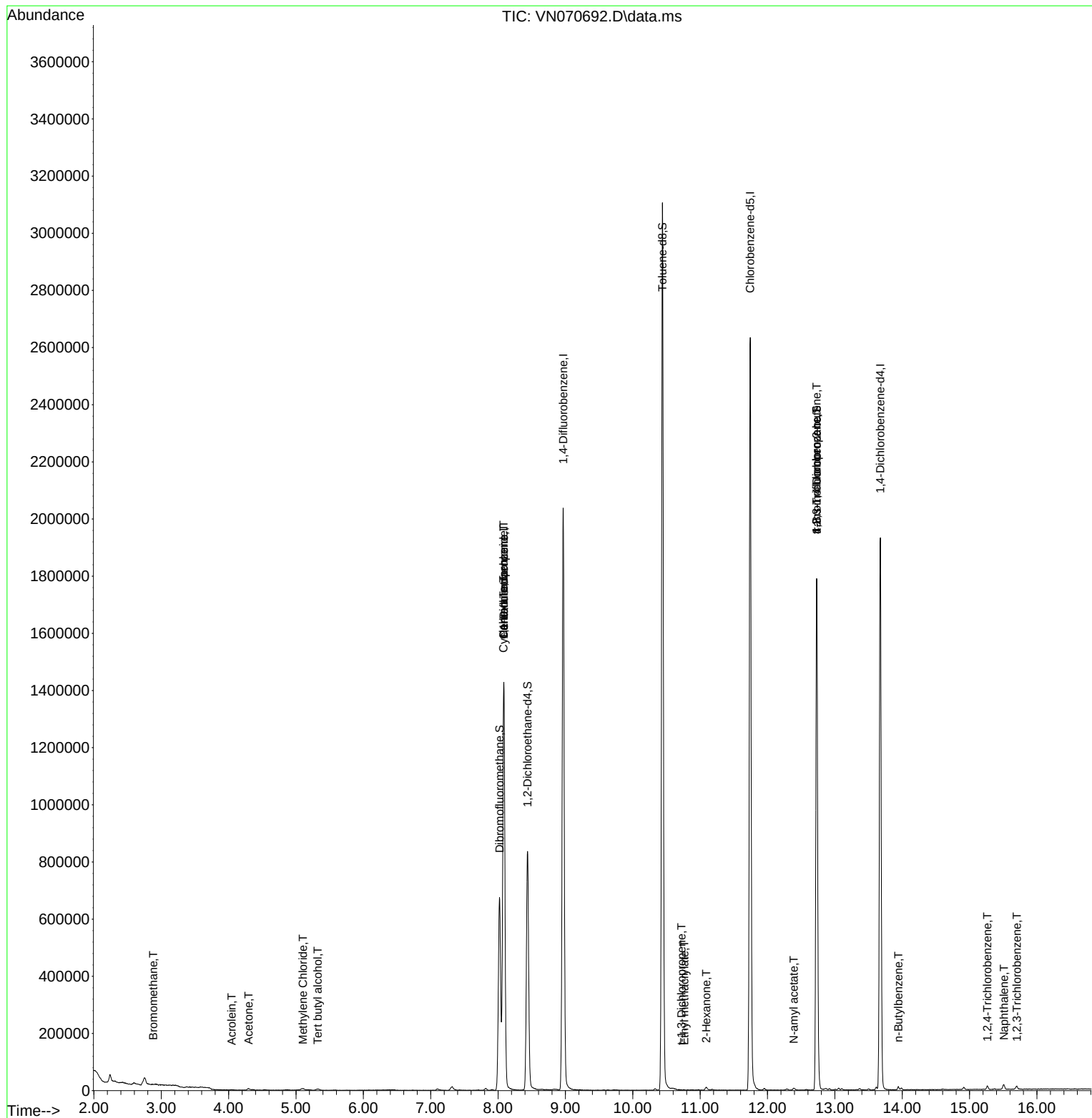
Internal Standards						
1) Pentafluorobenzene	8.086	168	1087104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1745627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1519866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	542817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	714986	45.892	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.780%
35) Dibromofluoromethane	8.021	113	504099	46.555	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.100%
50) Toluene-d8	10.440	98	2147397	47.075	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.160%
62) 4-Bromofluorobenzene	12.731	95	680005	41.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	83.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.880	94	2662	0.293	ug/l	86
11) Tert butyl alcohol	5.320	59	2715	0.966	ug/l #	71
13) Acrolein	4.044	56	860	0.213	ug/l #	37
16) Acetone	4.296	43	5888	0.544	ug/l	97
20) Methylene Chloride	5.103	84	3291	0.231	ug/l	98
30) Chloroform	7.817	83	6496	Below Cal		100
31) Cyclohexane	8.080	56	25225	0.919	ug/l #	3
36) 1,1-Dichloropropene	8.083	75	89173	4.892	ug/l #	49
38) Carbon Tetrachloride	8.083	117	110111	6.790	ug/l #	16
53) t-1,3-Dichloropropene	10.722	75	221	2.413	ug/l	91
56) Ethyl methacrylate	10.765	69	896	2.336	ug/l #	80
59) 2-Hexanone	11.089	43	8608	0.502	ug/l	95
74) N-amyl acetate	12.390	43	5318	0.253	ug/l #	83
76) 1,2,3-Trichloropropane	12.731	75	354383	24.615	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	354383	73.333	ug/l #	5
89) n-Butylbenzene	13.943	91	6506	0.204	ug/l	95
93) 1,2,4-Trichlorobenzene	15.265	180	4383	3.832	ug/l	91
95) Naphthalene	15.509	128	16979	5.492	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	4401	3.645	ug/l	88

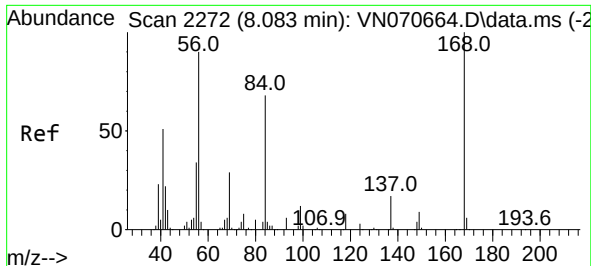
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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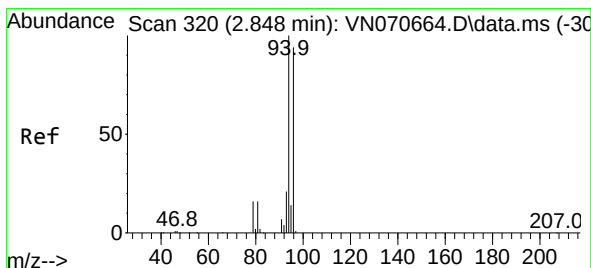
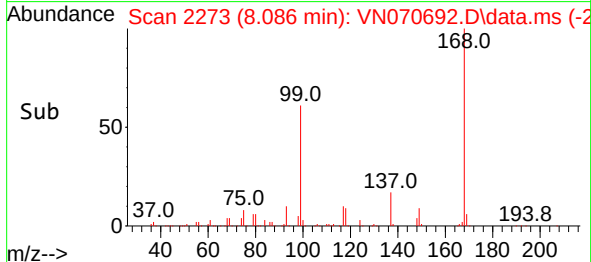
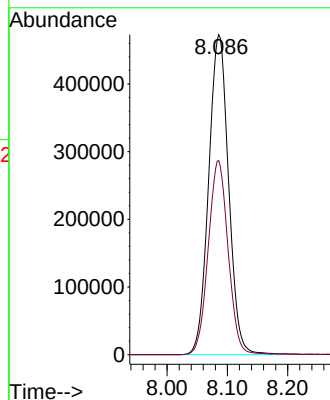
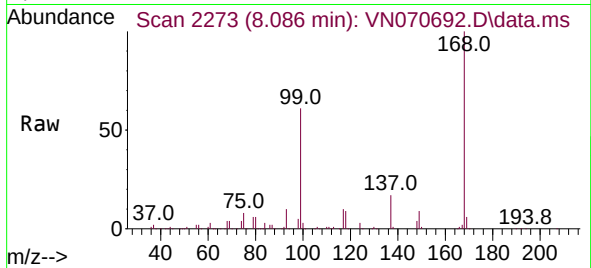




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

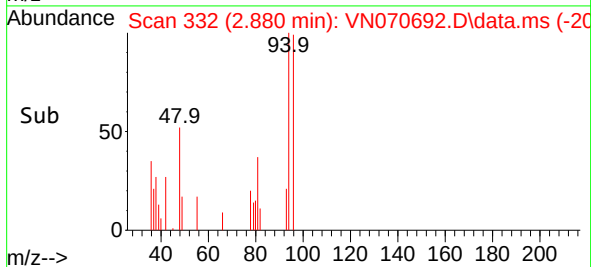
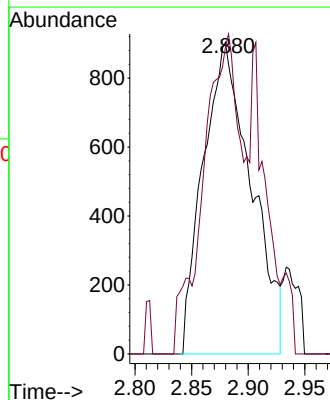
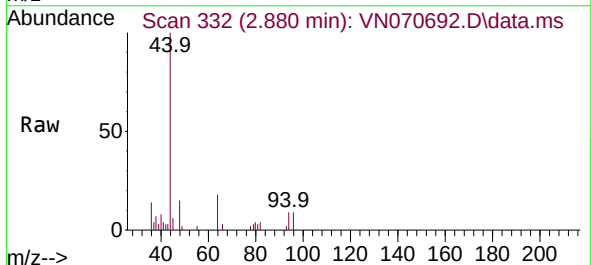
Instrument :
MSVOA_N
ClientSampleId :

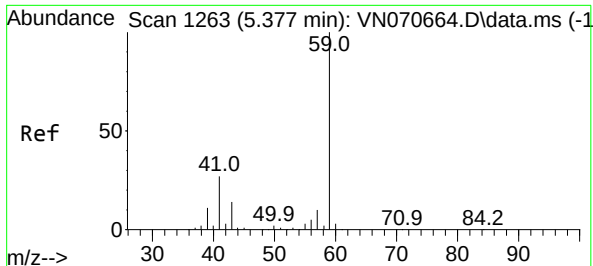
Tgt Ion:168 Resp: 1087104
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#5
Bromomethane
Concen: 0.293 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.032 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 94 Resp: 2662
Ion Ratio Lower Upper
94 100
96 78.7 73.8 110.8

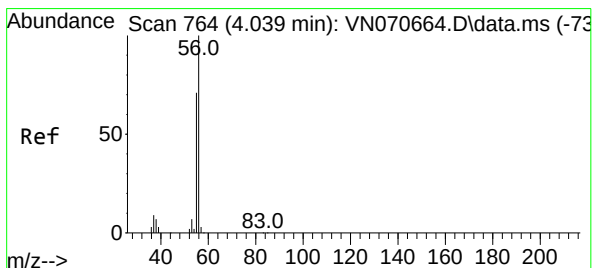
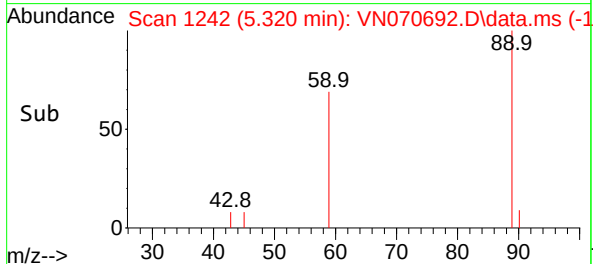
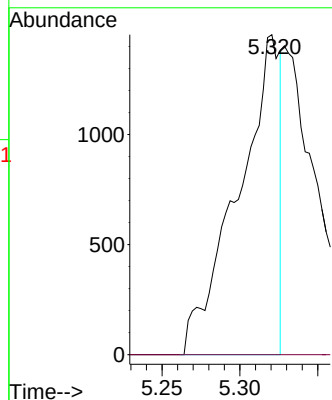
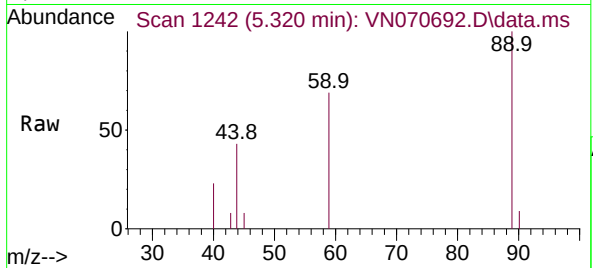




#11
Tert butyl alcohol
Concen: 0.966 ug/l
RT: 5.320 min Scan# 11
Delta R.T. -0.057 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

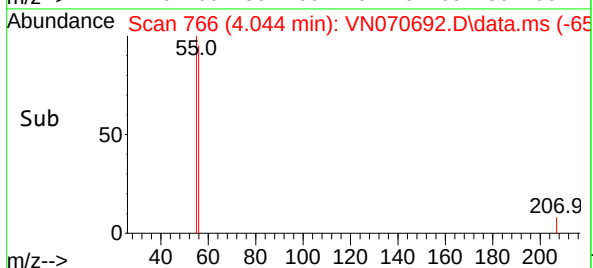
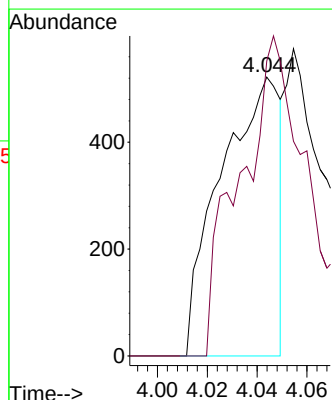
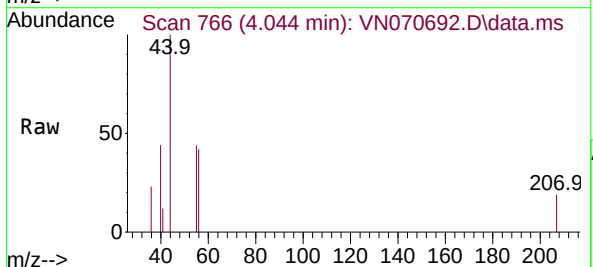
Instrument :
MSVOA_N
ClientSampleId :

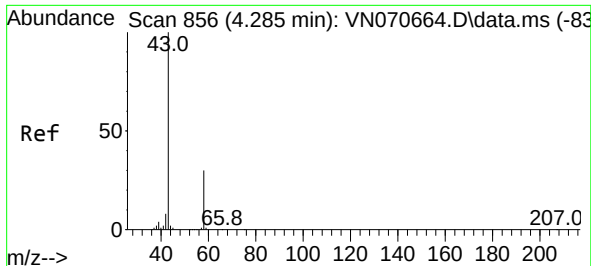
Tgt Ion: 59 Resp: 2715
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.213 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 56 Resp: 860
Ion Ratio Lower Upper
56 100
55 122.4 56.6 85.0#

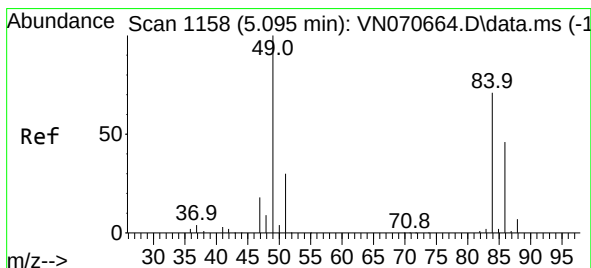
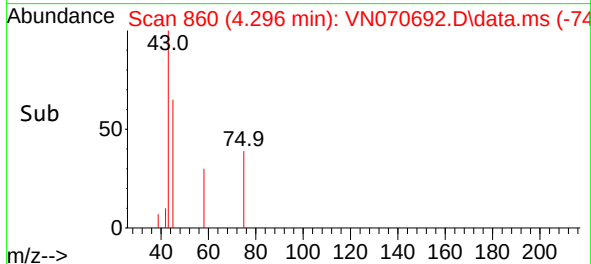
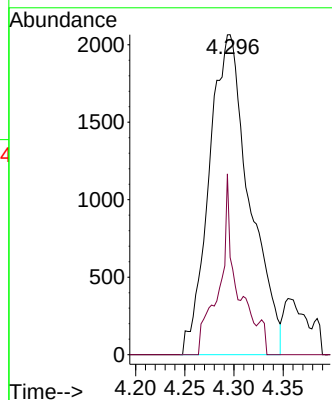
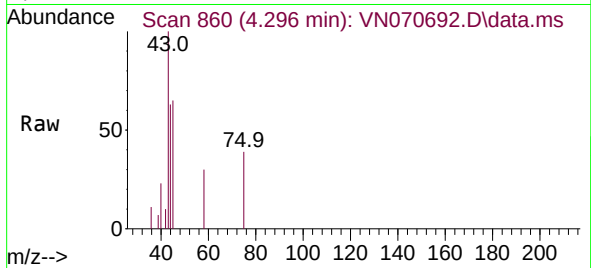




#16
Acetone
Concen: 0.544 ug/l
RT: 4.296 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

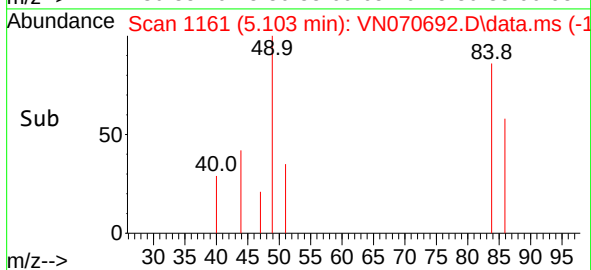
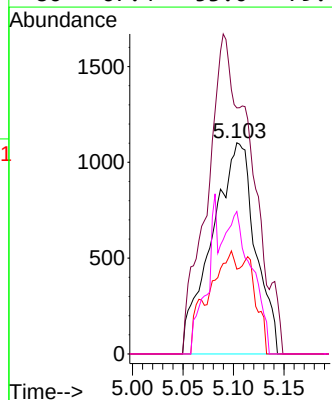
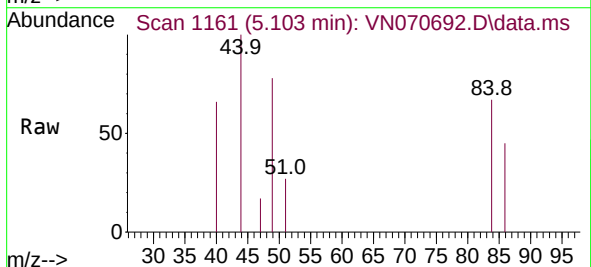
Instrument :
MSVOA_N
ClientSampleId :

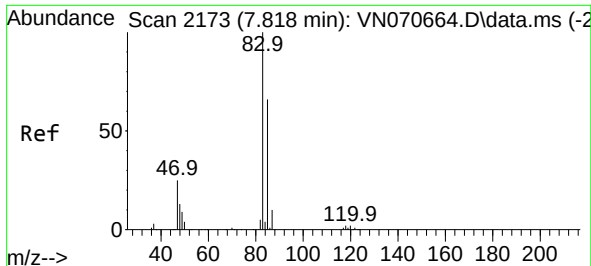
Tgt Ion: 43 Resp: 5888
Ion Ratio Lower Upper
43 100
58 30.4 23.1 34.7



#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 84 Resp: 3291
Ion Ratio Lower Upper
84 100
49 116.5 93.5 140.3
51 40.2 29.4 44.2
86 67.4 53.0 79.4

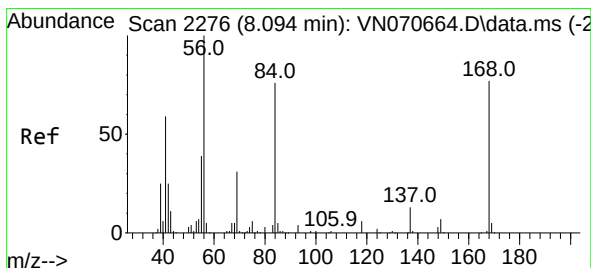
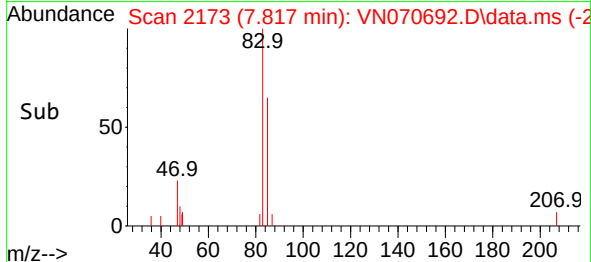
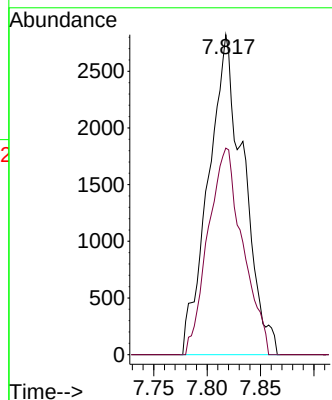
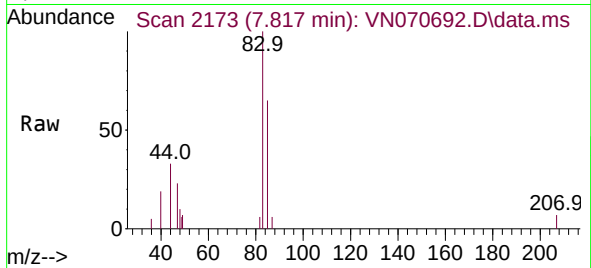




#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

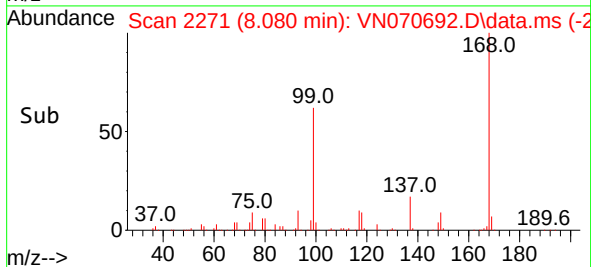
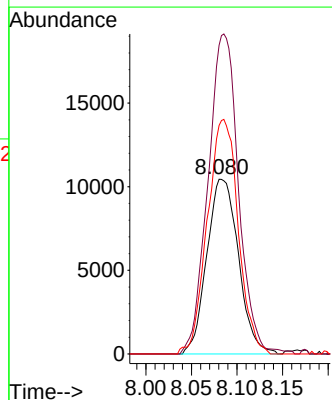
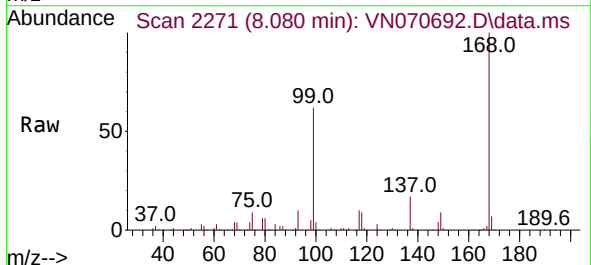
Instrument :
MSVOA_N
ClientSampleId :

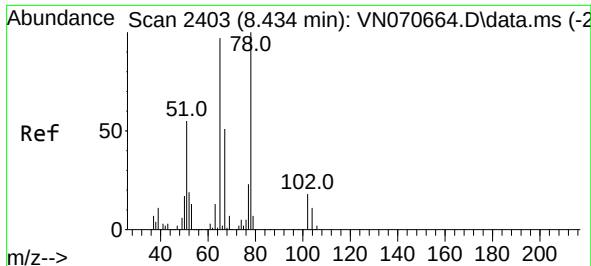
Tgt Ion: 83 Resp: 6496
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9



#31
Cyclohexane
Concen: 0.919 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 56 Resp: 25225
Ion Ratio Lower Upper
56 100
69 176.7 27.1 40.7#
84 130.8 73.4 110.0#

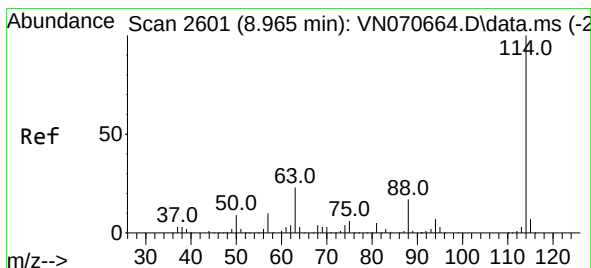
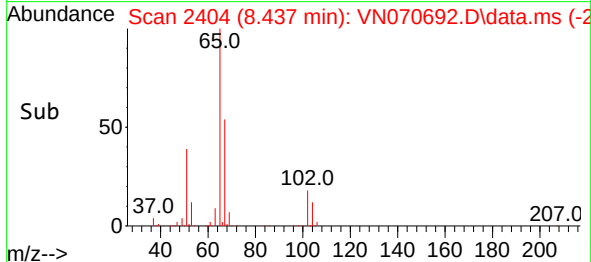
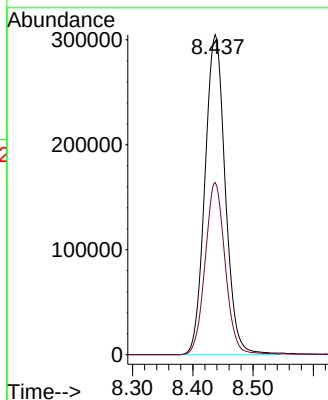
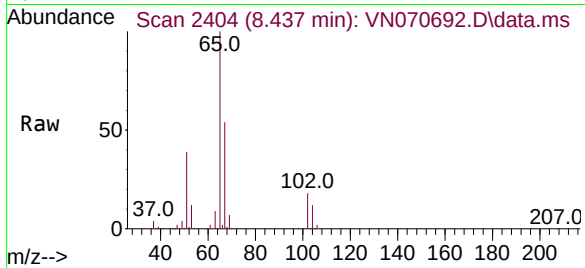




#33
 1,2-Dichloroethane-d4
 Concen: 45.892 ug/l
 RT: 8.437 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN070692.D
 Acq: 19 Jan 2022 11:49

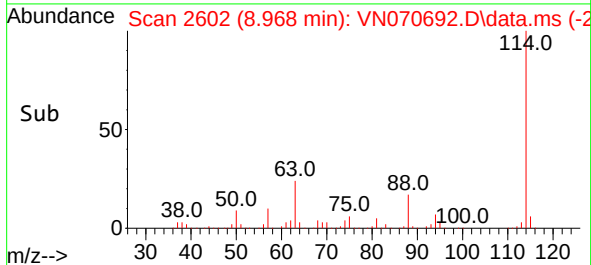
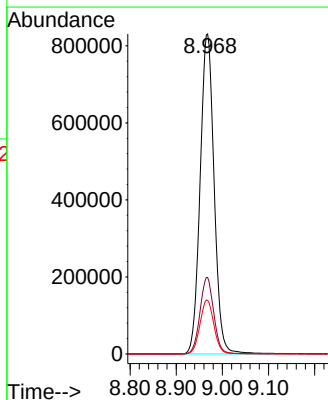
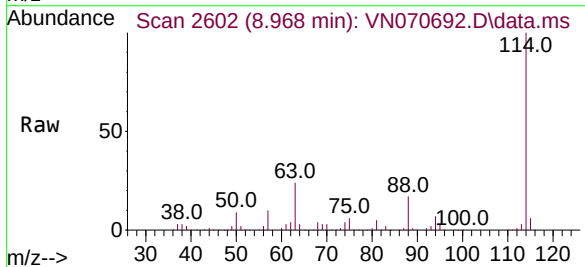
Instrument :
 MSVOA_N
 ClientSampleId :

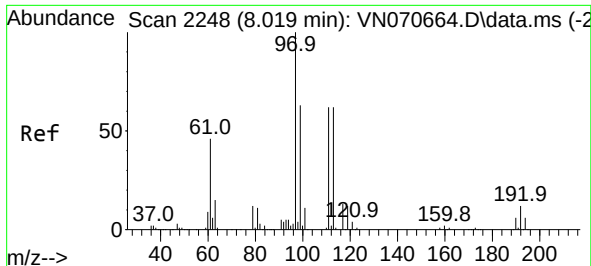
Tgt Ion: 65 Resp: 714986
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.003 min
 Lab File: VN070692.D
 Acq: 19 Jan 2022 11:49

Tgt Ion: 114 Resp: 1745627
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 37.8
 88 16.8 0.0 27.4

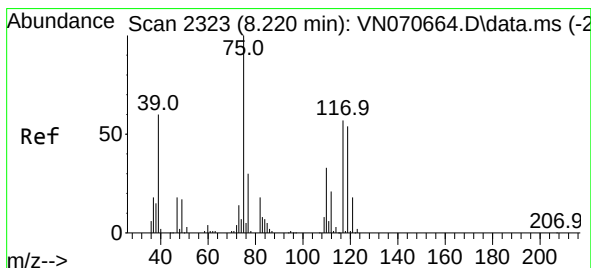
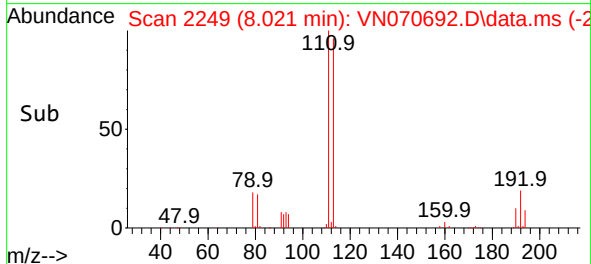
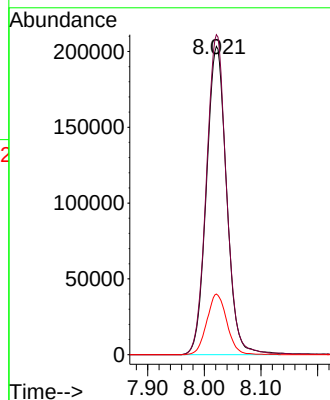
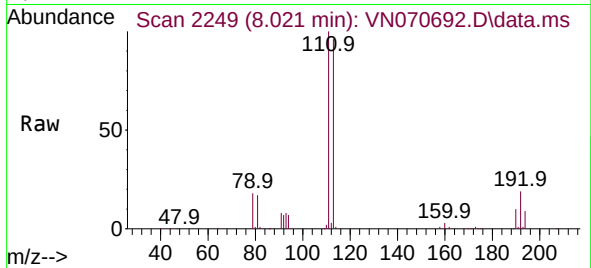




#35
Dibromofluoromethane
Concen: 46.555 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

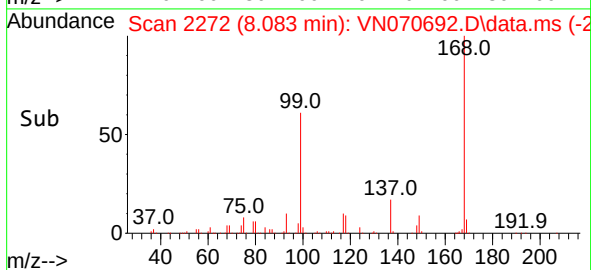
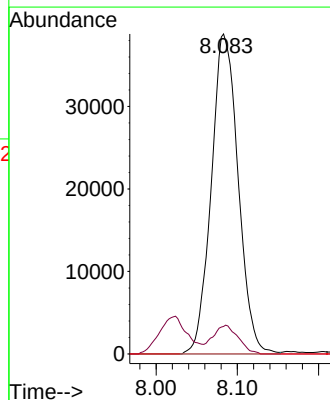
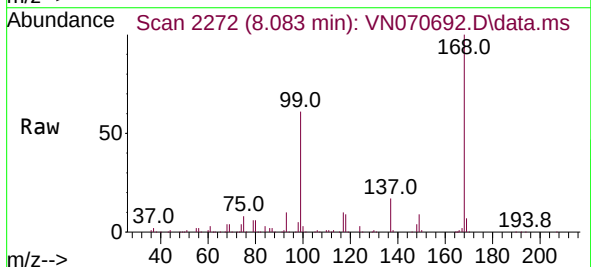
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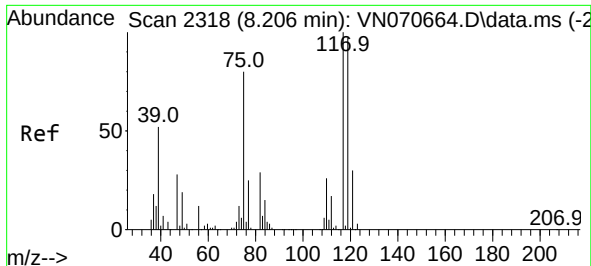
Tgt Ion:113 Resp: 504099
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

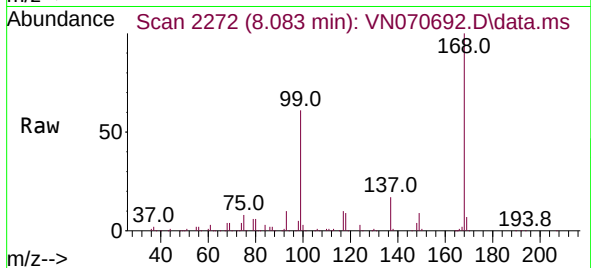
Tgt Ion: 75 Resp: 89173
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



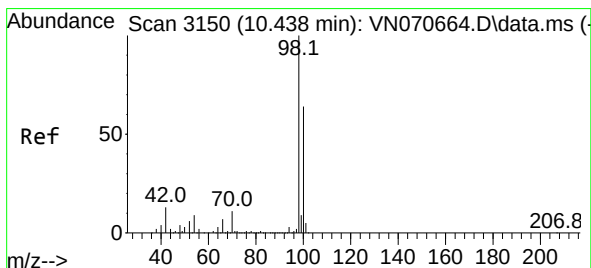
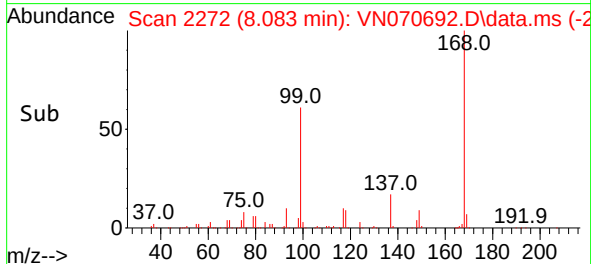
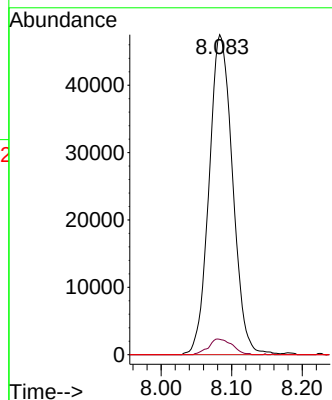


#38
Carbon Tetrachloride
Concen: 6.790 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :

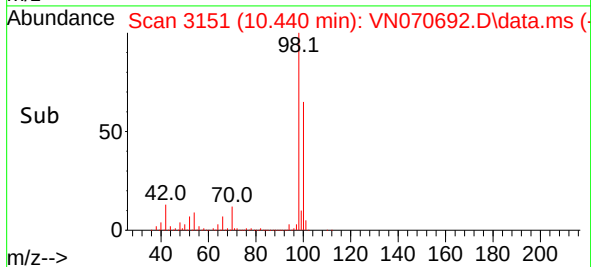
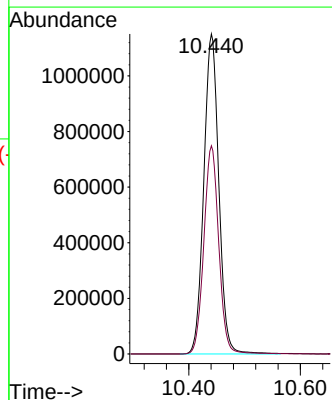
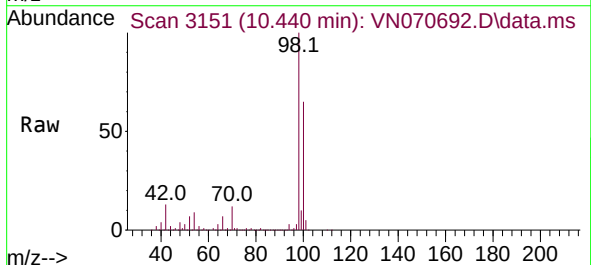


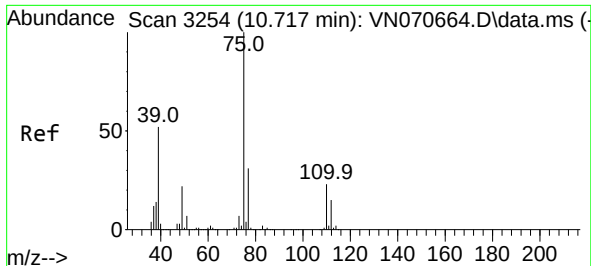
Tgt Ion:117 Resp: 110111
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.075 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.002 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

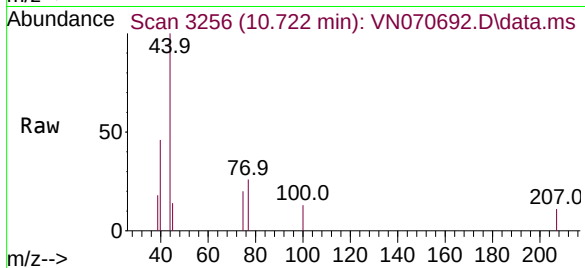
Tgt Ion: 98 Resp: 2147397
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



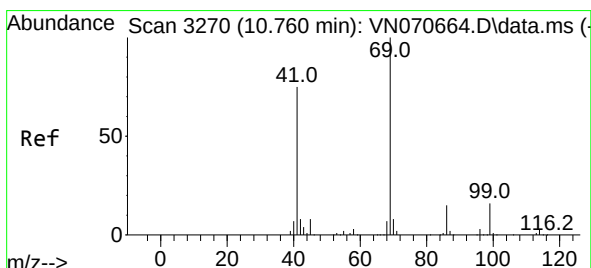
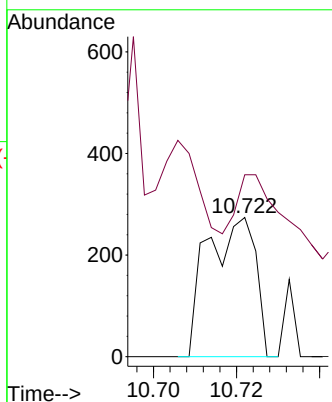
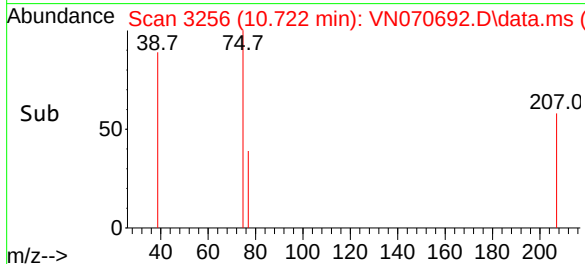


#53
t-1,3-Dichloropropene
Concen: 2.413 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :

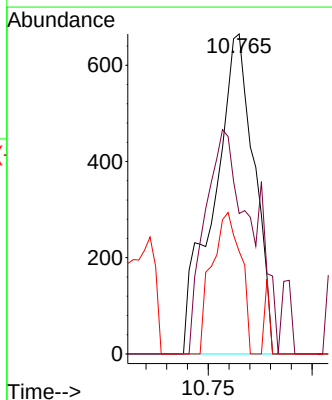
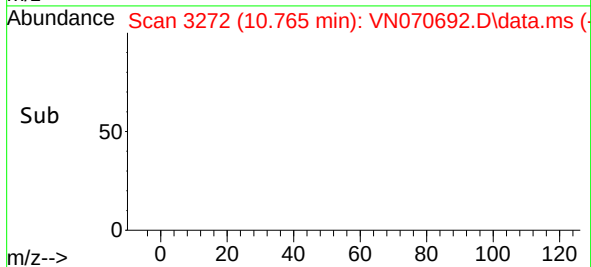
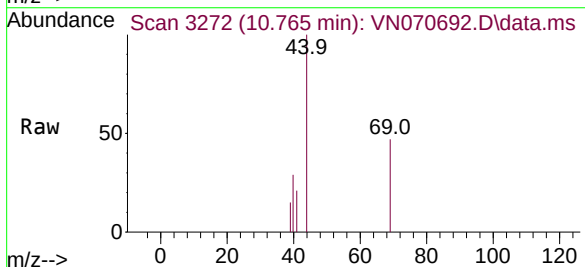


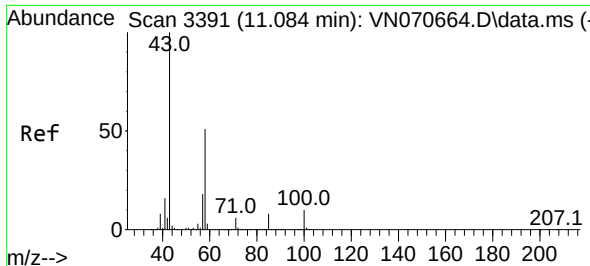
Tgt Ion: 75 Resp: 221
Ion Ratio Lower Upper
75 100
77 27.0 25.6 38.4



#56
Ethyl methacrylate
Concen: 2.336 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. 0.005 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 69 Resp: 896
Ion Ratio Lower Upper
69 100
41 81.1 51.4 77.0#
39 31.9 34.6 52.0#

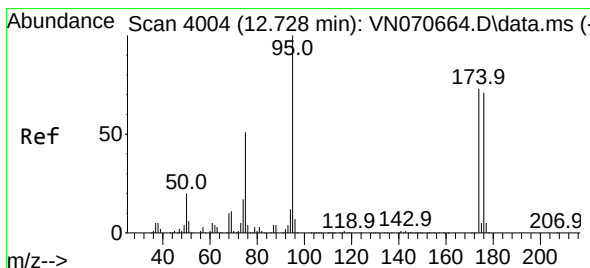
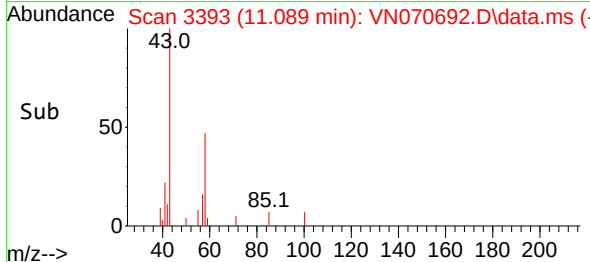
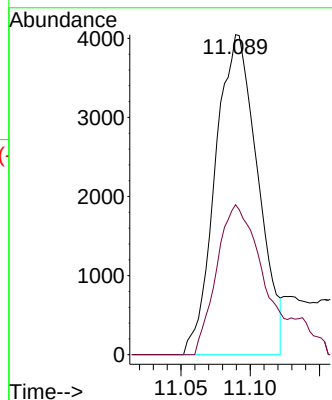
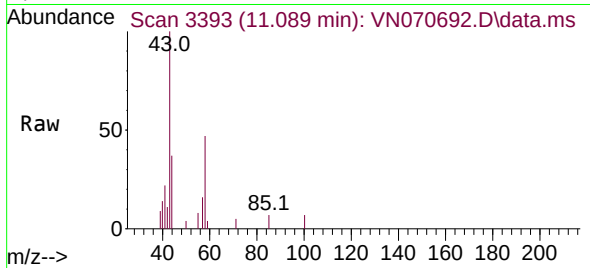




#59
2-Hexanone
Concen: 0.502 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

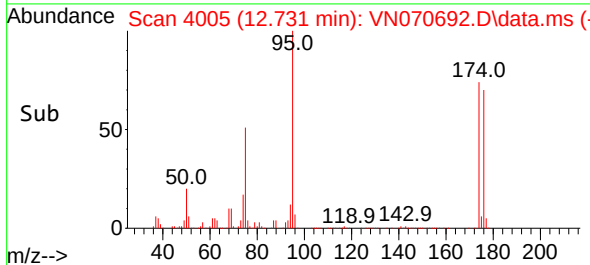
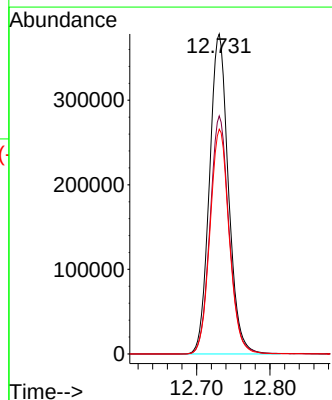
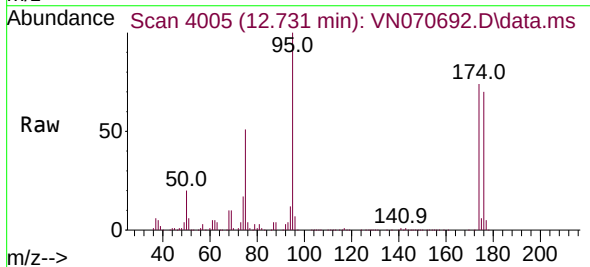
Instrument :
MSVOA_N
ClientSampleId :

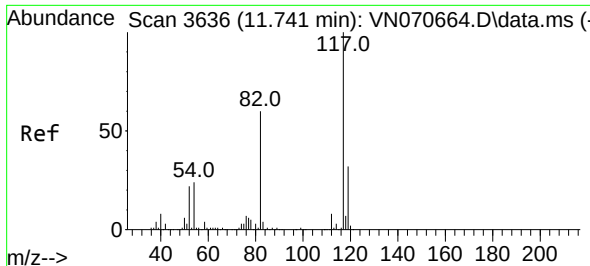
Tgt Ion: 43 Resp: 8608
Ion Ratio Lower Upper
43 100
58 50.4 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 41.833 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

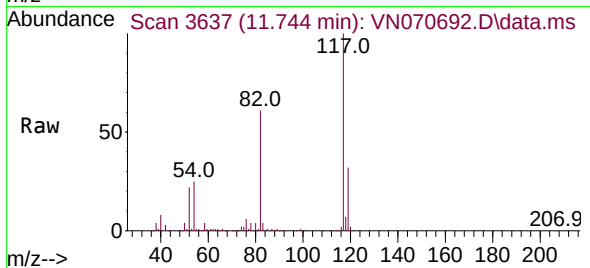
Tgt Ion: 95 Resp: 680005
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 71.3 0.0 181.4





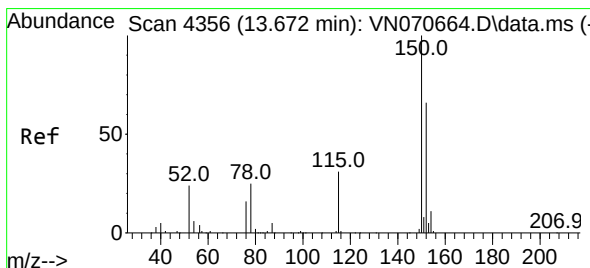
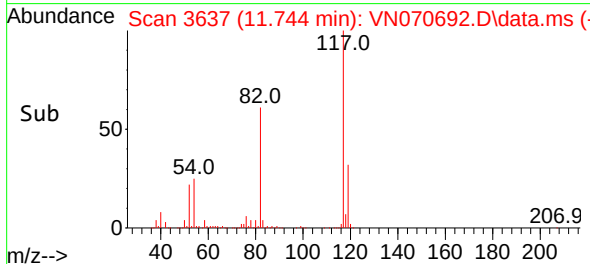
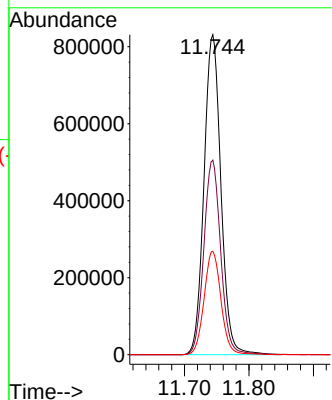
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1519866

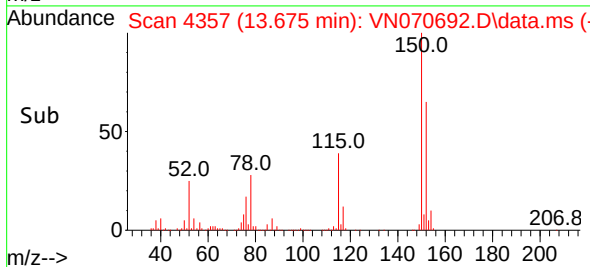
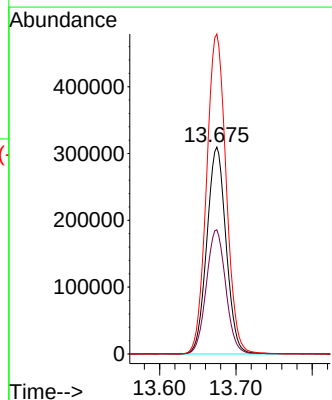
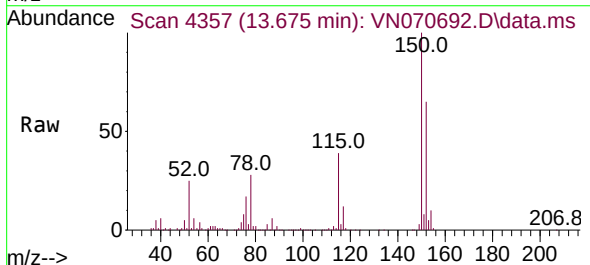
Ion	Ratio	Lower	Upper
117	100		
82	60.8	42.4	63.6
119	32.3	25.4	38.2

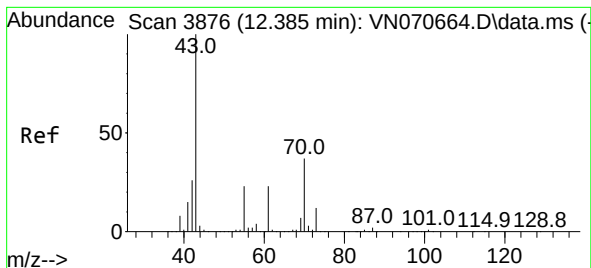


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion:152 Resp: 542817

Ion	Ratio	Lower	Upper
152	100		
115	60.9	27.5	82.5
150	157.5	0.0	344.4





#74

N-amy1 acetate

Concen: 0.253 ug/l

RT: 12.390 min Scan# 3

Delta R.T. 0.005 min

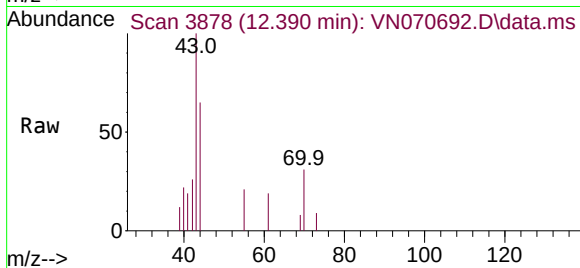
Lab File: VN070692.D

Acq: 19 Jan 2022 11:49

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 5318

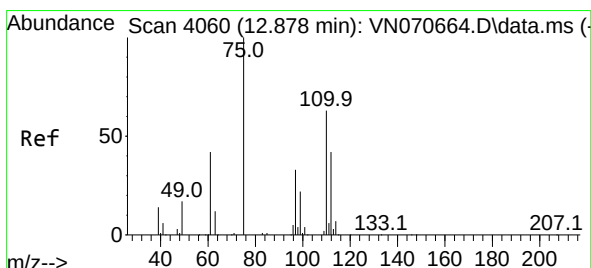
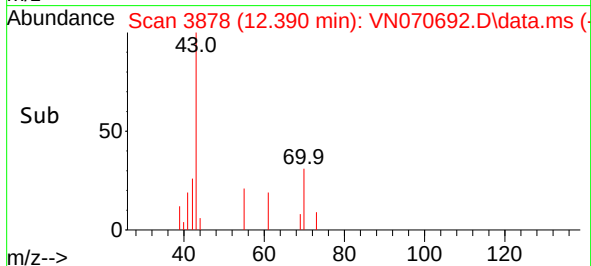
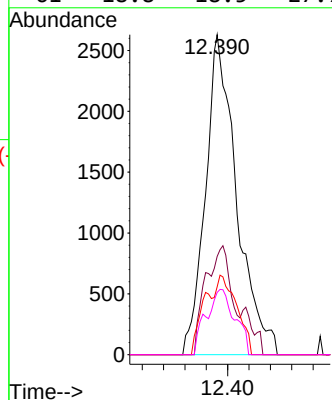
Ion Ratio Lower Upper

43 100

70 28.6 33.4 50.0#

55 16.0 19.3 28.9#

61 18.8 18.5 27.7



#76

1,2,3-Trichloropropane

Concen: 24.615 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.147 min

Lab File: VN070692.D

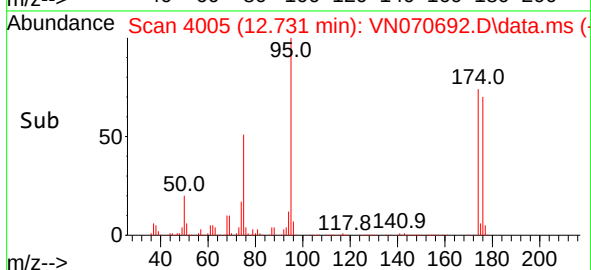
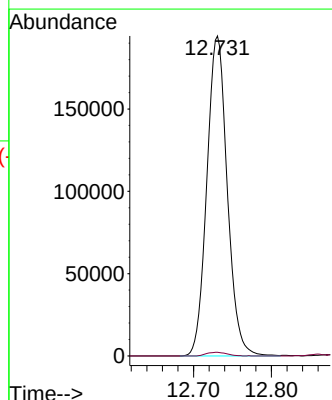
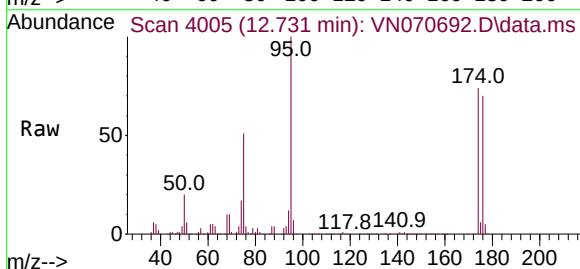
Acq: 19 Jan 2022 11:49

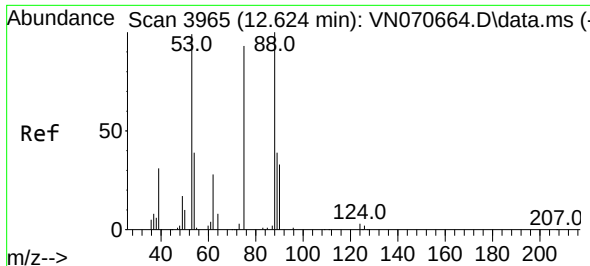
Tgt Ion: 75 Resp: 354383

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

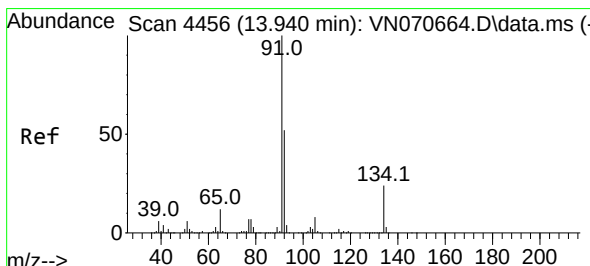
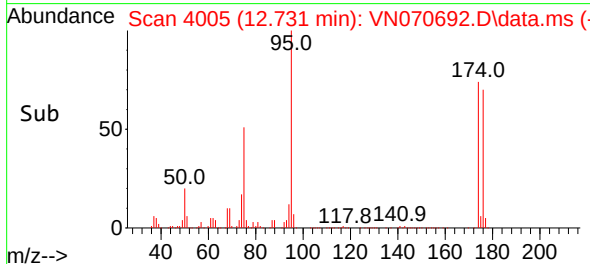
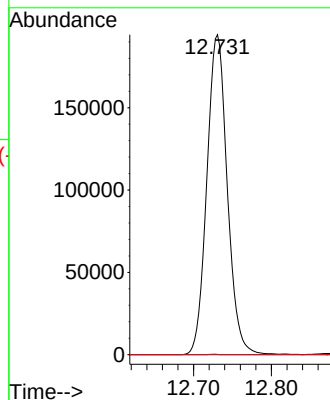
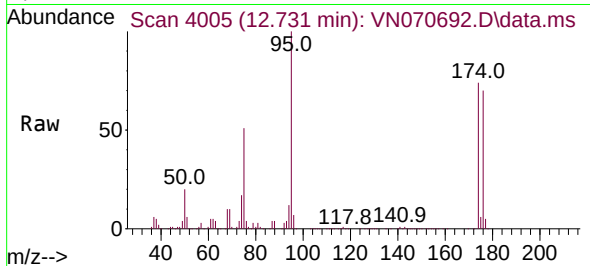




#81
trans-1,4-Dichloro-2-butene
Concen: 73.333 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

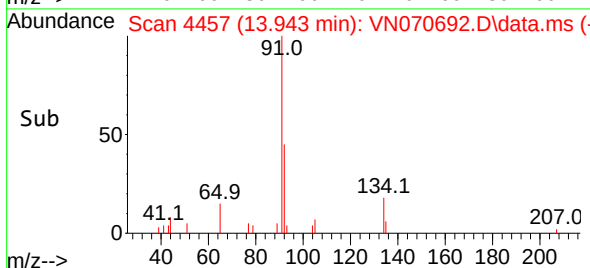
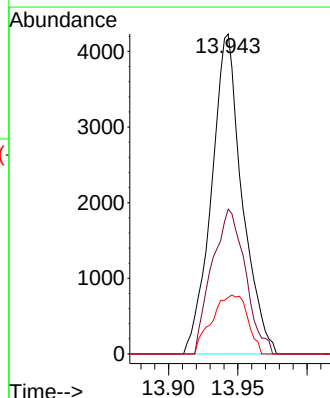
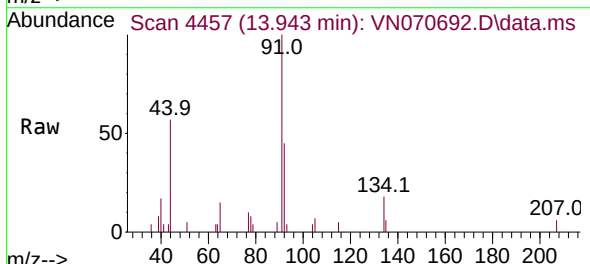
Instrument :
MSVOA_N
ClientSampleId :

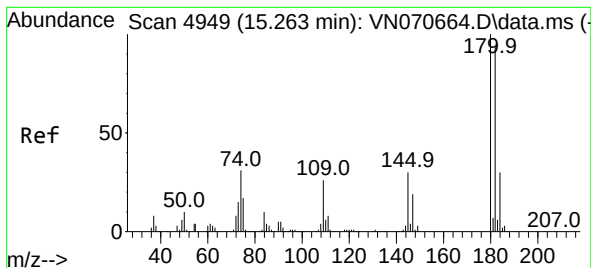
Tgt Ion: 75 Resp: 354383
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#89
n-Butylbenzene
Concen: 0.204 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN070692.D
Acq: 19 Jan 2022 11:49

Tgt Ion: 91 Resp: 6506
Ion Ratio Lower Upper
91 100
92 49.3 25.4 76.0
134 21.3 13.6 40.8





#93

1,2,4-Trichlorobenzene

Concen: 3.832 ug/l

RT: 15.265 min Scan# 4949

Delta R.T. 0.002 min

Lab File: VN070692.D

Acq: 19 Jan 2022 11:49

Instrument :

MSVOA_N

ClientSampleId :

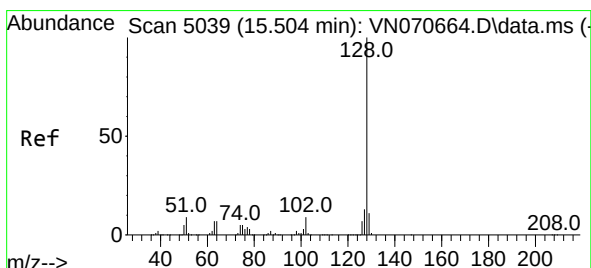
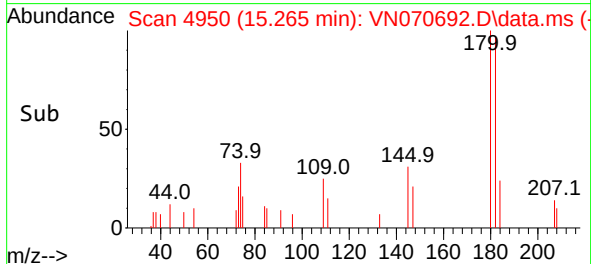
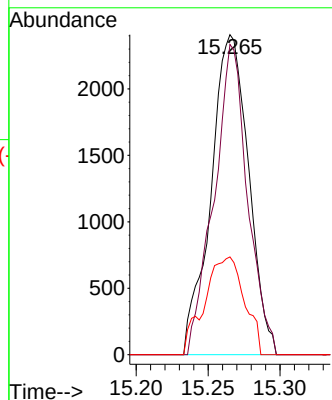
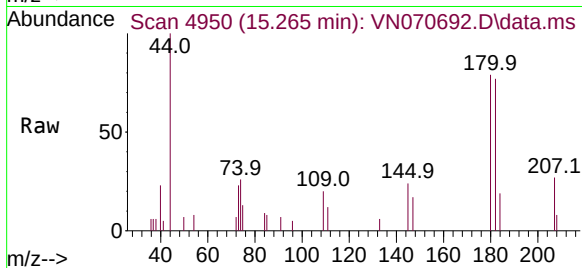
Tgt Ion:180 Resp: 4383

Ion Ratio Lower Upper

180 100

182 86.5 48.3 144.9

145 32.4 14.5 43.5



#95

Naphthalene

Concen: 5.492 ug/l

RT: 15.509 min Scan# 5041

Delta R.T. 0.005 min

Lab File: VN070692.D

Acq: 19 Jan 2022 11:49

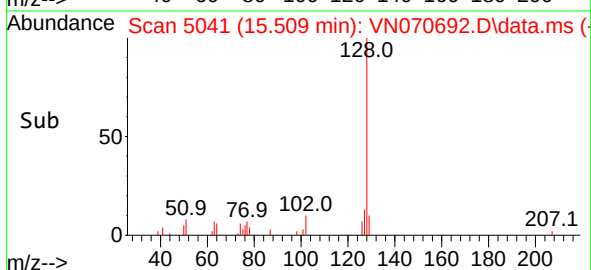
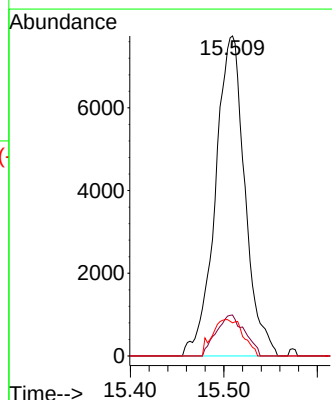
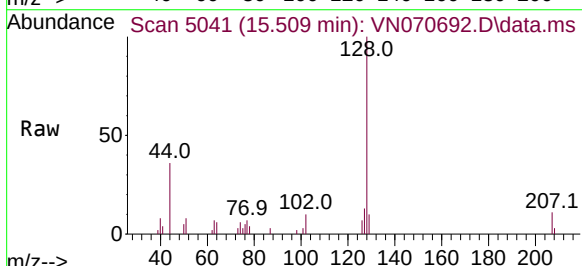
Tgt Ion:128 Resp: 16979

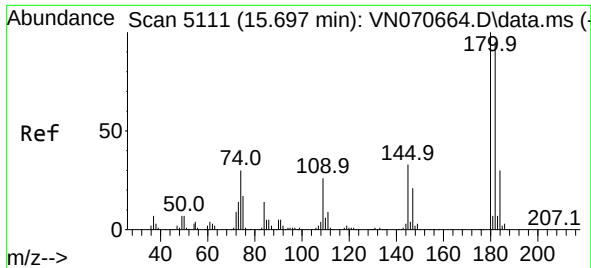
Ion Ratio Lower Upper

128 100

127 12.3 10.5 15.7

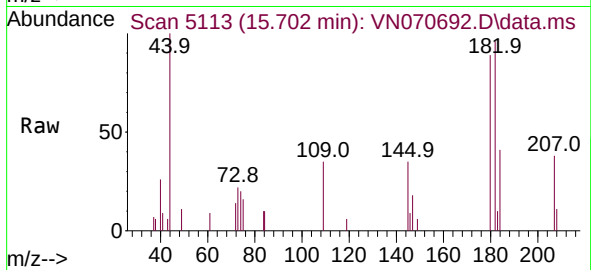
129 11.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.645 ug/l
 RT: 15.702 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070692.D
 Acq: 19 Jan 2022 11:49

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4401
Ion	Ratio	Lower	Upper
180	100		
182	107.5	47.4	142.2
145	34.6	15.0	45.1

