

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010622\
 Data File : VN070524.D
 Acq On : 6 Jan 2022 17:18
 Operator : JC/MD
 Sample : N1015-08 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 01:40:50 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)

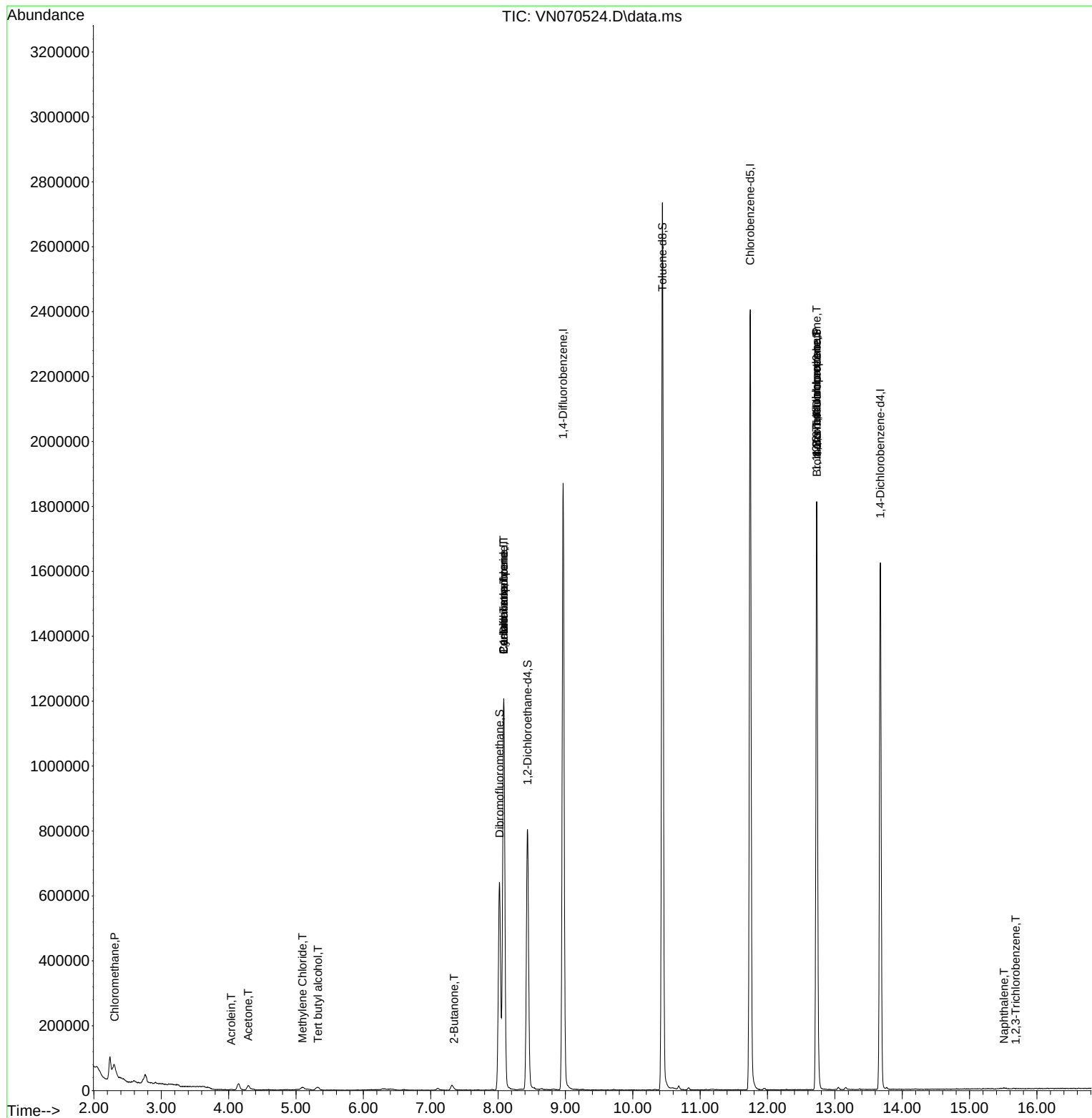
Internal Standards						
1) Pentafluorobenzene	8.083	168	953363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1610582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1417458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	458357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	671533	48.990	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.980%
35) Dibromofluoromethane	8.021	113	476110	48.858	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.720%
50) Toluene-d8	10.440	98	1910454	47.991	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.980%
62) 4-Bromofluorobenzene	12.731	95	660806	45.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3802	0.259	ug/l	98
11) Tert butyl alcohol	5.326	59	6726	2.947	ug/l #	71
13) Acrolein	4.038	56	870	0.470	ug/l	97
16) Acetone	4.288	43	10051	1.130	ug/l	99
20) Methylene Chloride	5.095	84	3015	0.245	ug/l #	82
25) 2-Butanone	7.348	43	3045	0.272	ug/l	95
31) Cyclohexane	8.083	56	20667	0.955	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	76139	4.723	ug/l #	48
38) Carbon Tetrachloride	8.083	117	92179	5.988	ug/l #	16
71) Bromoform	12.733	173	4860	0.610	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.728	83	457	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	340196	26.433	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	340196	90.681	ug/l #	5
95) Naphthalene	15.509	128	2645	1.919	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.686	180	252	0.860	ug/l #	12

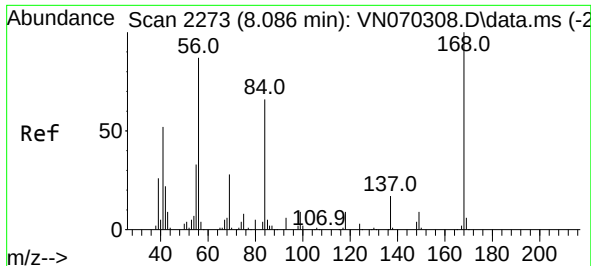
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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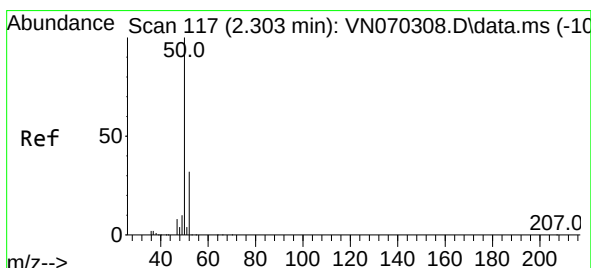
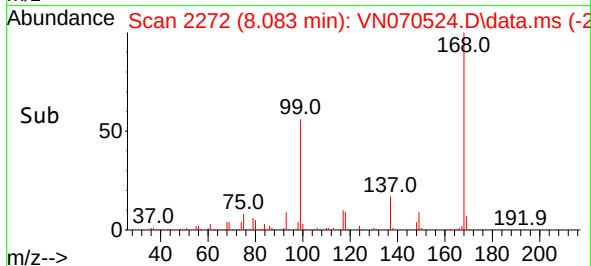
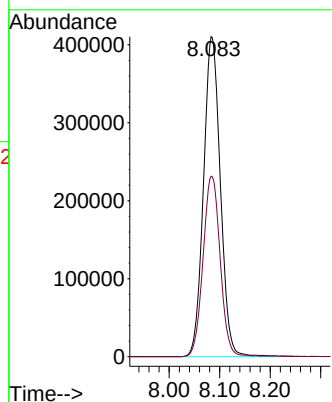
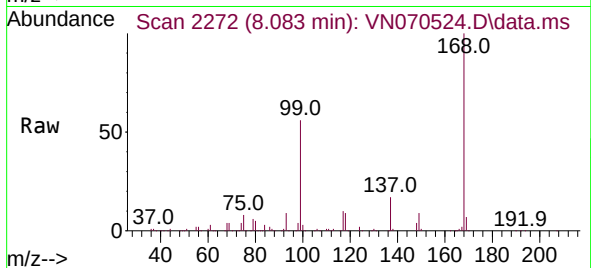




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

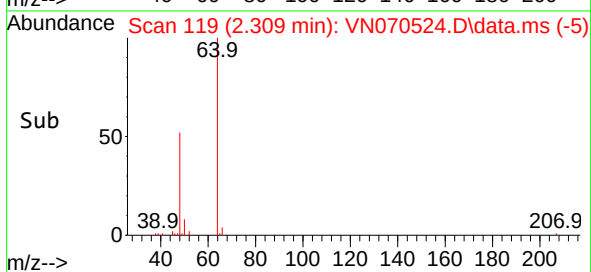
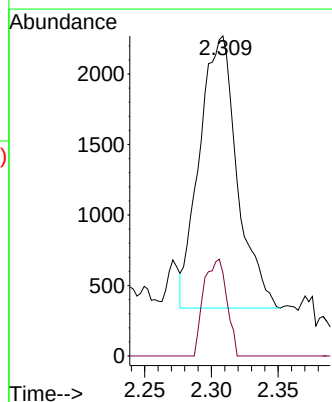
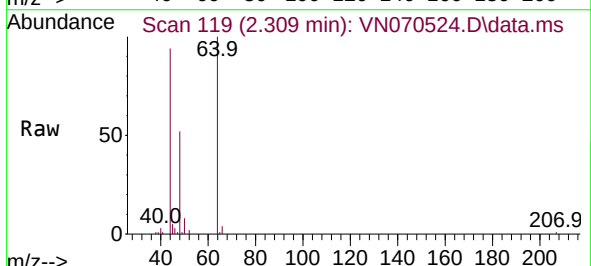
Instrument :
MSVOA_N
ClientSampleId :

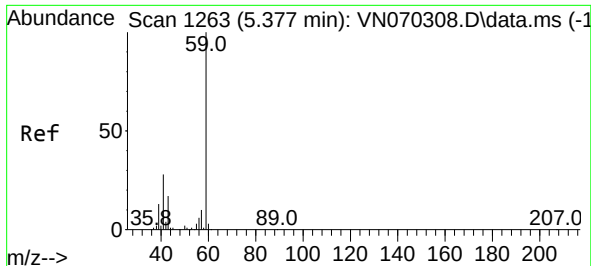
Tgt Ion:168 Resp: 953363
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.259 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion: 50 Resp: 3802
Ion Ratio Lower Upper
50 100
52 30.5 25.4 38.0





#11

Tert butyl alcohol

Concen: 2.947 ug/l

RT: 5.326 min Scan# 11

Delta R.T. -0.051 min

Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

Instrument :

MSVOA_N

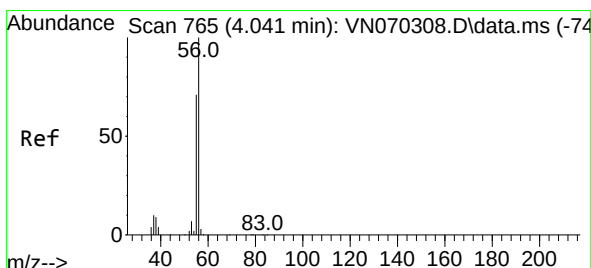
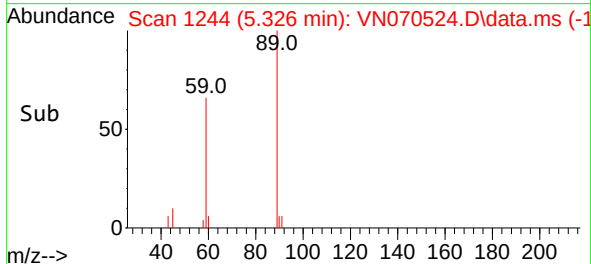
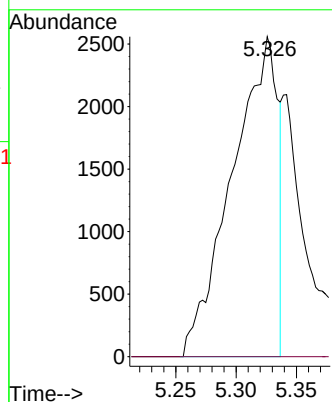
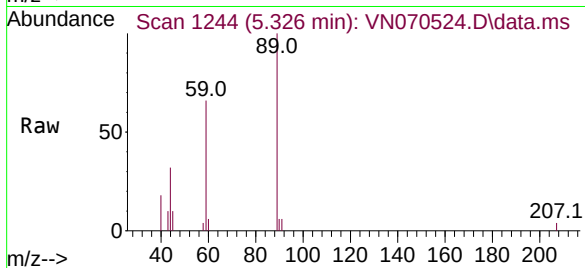
ClientSampleId :

Tgt Ion: 59 Resp: 6726

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#13

Acrolein

Concen: 0.470 ug/l

RT: 4.038 min Scan# 764

Delta R.T. -0.003 min

Lab File: VN070524.D

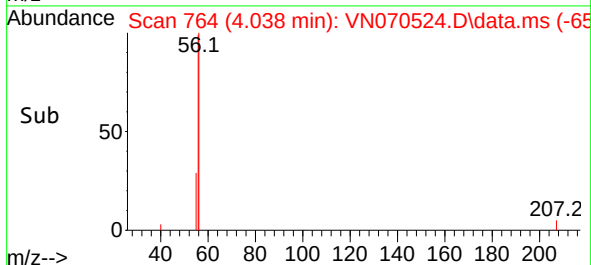
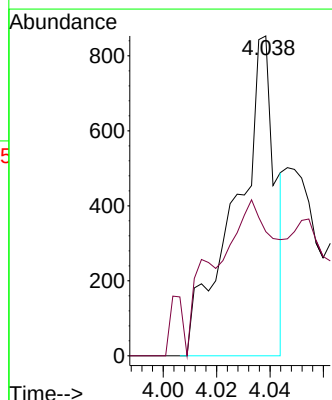
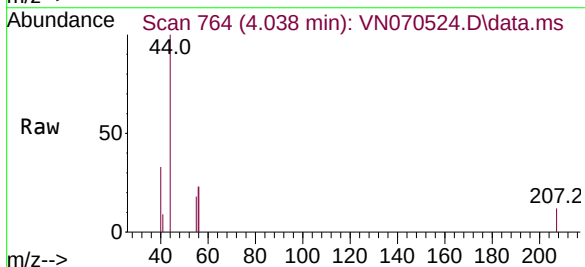
Acq: 6 Jan 2022 17:18

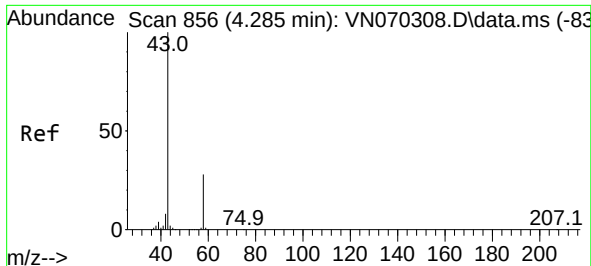
Tgt Ion: 56 Resp: 870

Ion Ratio Lower Upper

56 100

55 72.9 56.6 85.0

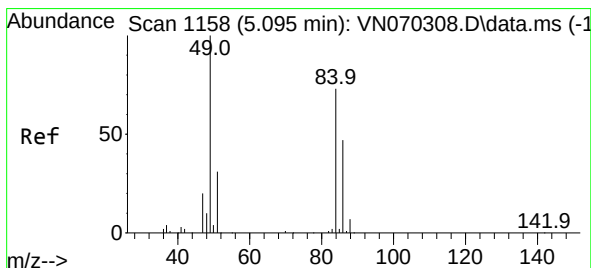
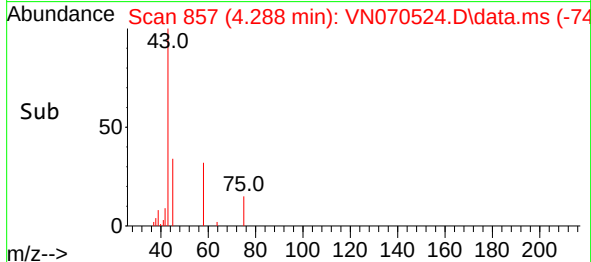
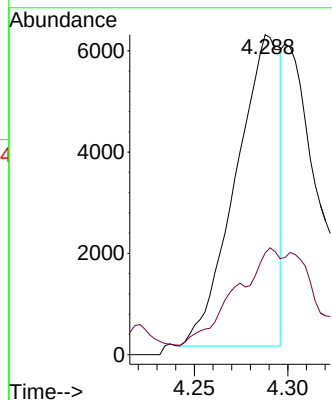
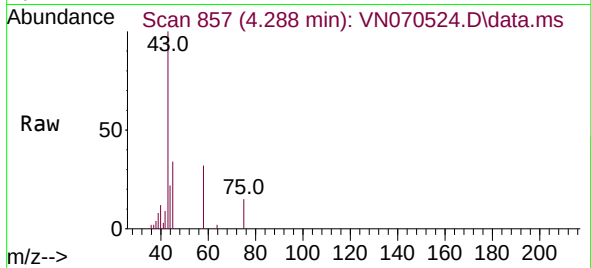




#16
Acetone
Concen: 1.130 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

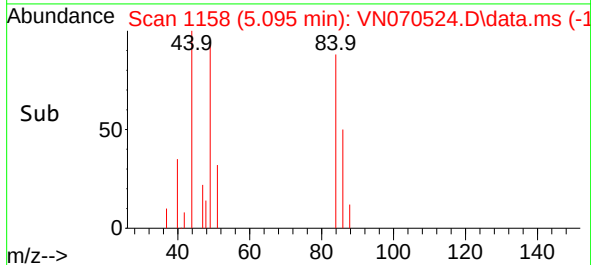
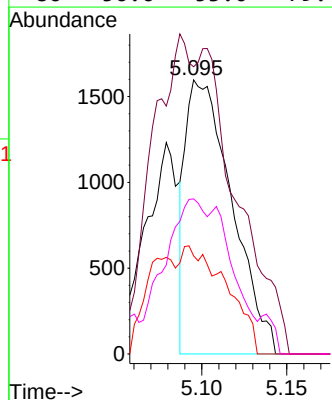
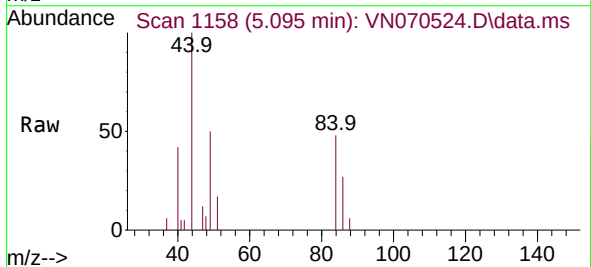
Instrument :
MSVOA_N
ClientSampleId :

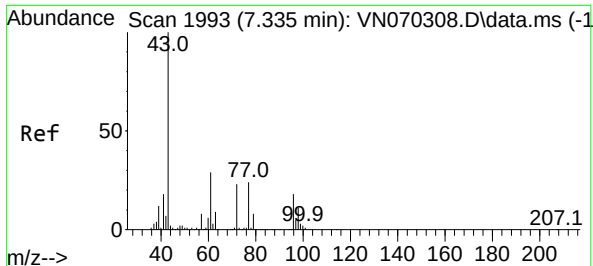
Tgt Ion: 43 Resp: 10051
Ion Ratio Lower Upper
43 100
58 29.6 23.1 34.7



#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion: 84 Resp: 3015
Ion Ratio Lower Upper
84 100
49 87.5 93.5 140.3#
51 35.8 29.4 44.2
86 56.6 53.0 79.4





#25

2-Butanone

Concen: 0.272 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

Instrument :

MSVOA_N

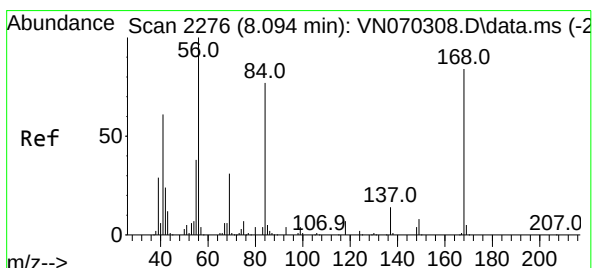
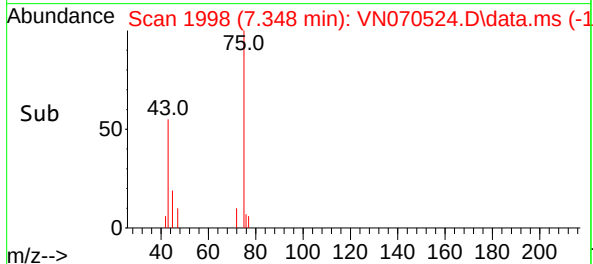
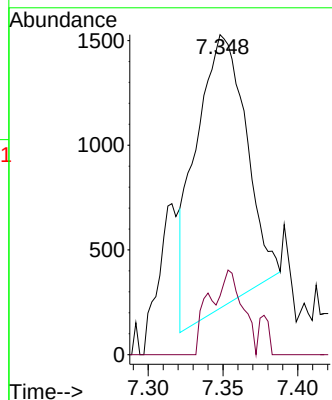
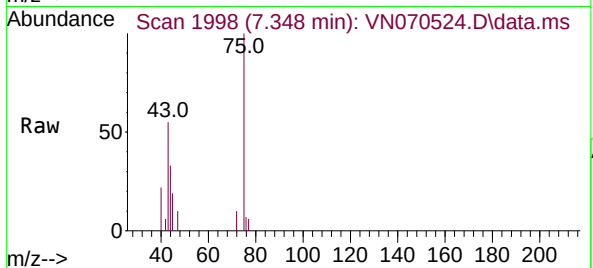
ClientSampleId :

Tgt Ion: 43 Resp: 3045

Ion Ratio Lower Upper

43 100

72 24.7 21.7 32.5



#31

Cyclohexane

Concen: 0.955 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

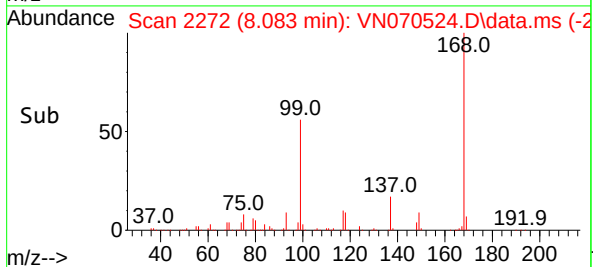
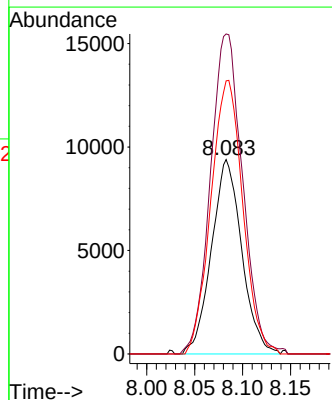
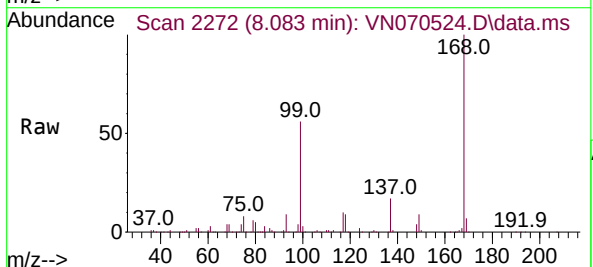
Tgt Ion: 56 Resp: 20667

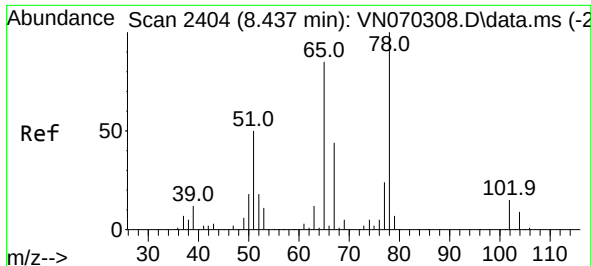
Ion Ratio Lower Upper

56 100

69 164.6 27.1 40.7#

84 140.5 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 48.990 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

Instrument :

MSVOA_N

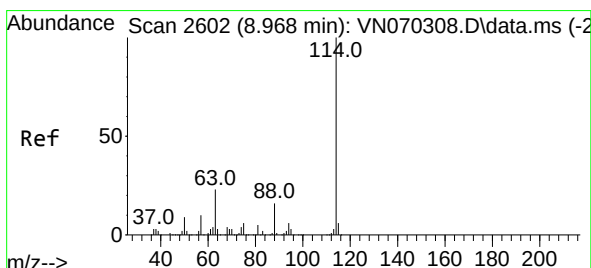
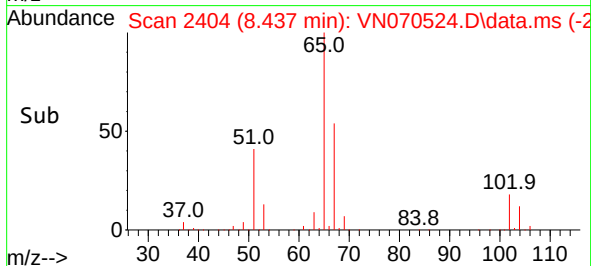
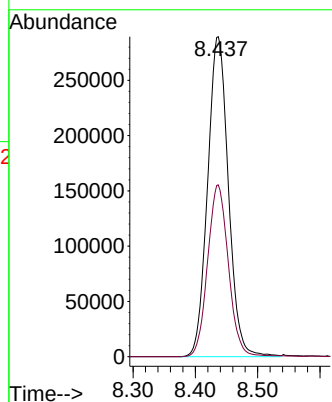
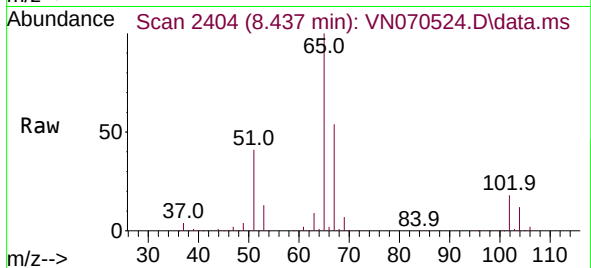
ClientSampleId :

Tgt Ion: 65 Resp: 671533

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

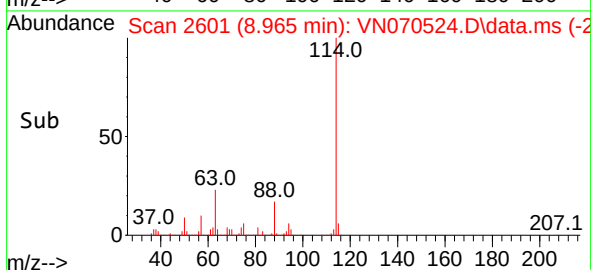
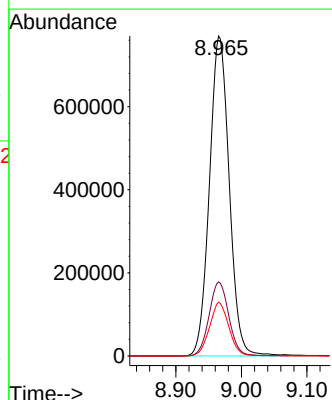
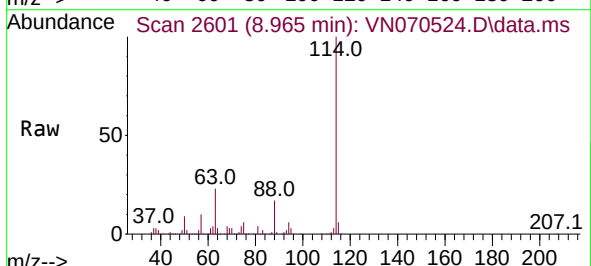
Tgt Ion:114 Resp: 1610582

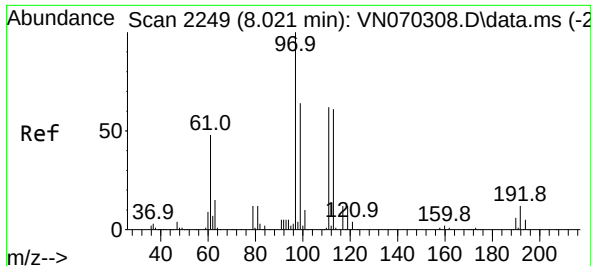
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

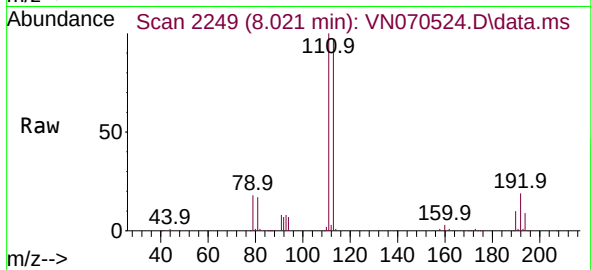
88 16.8 0.0 27.4



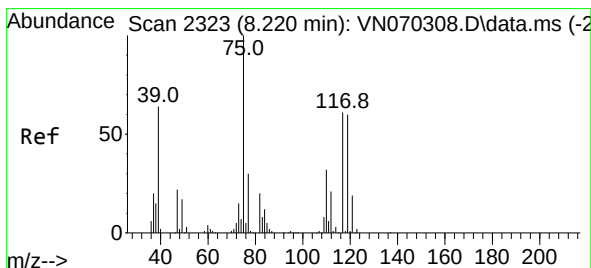
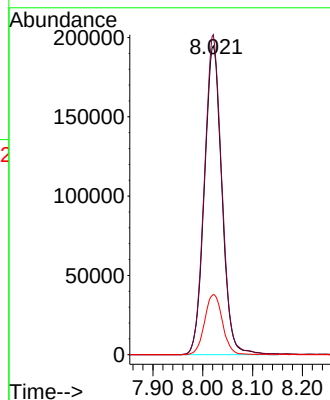
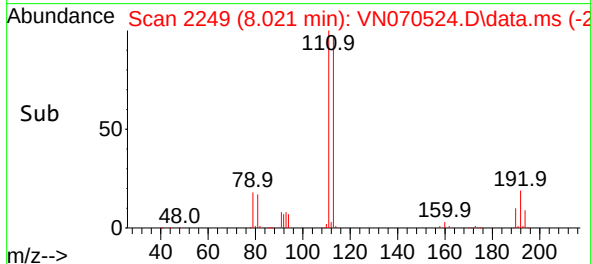


#35
 Dibromofluoromethane
 Concen: 48.858 ug/l
 RT: 8.021 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN070524.D
 Acq: 6 Jan 2022 17:18

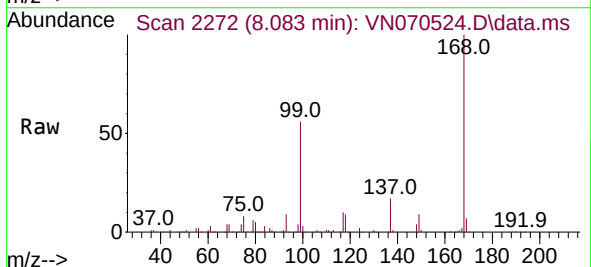
Instrument :
 MSVOA_N
 ClientSampleId :



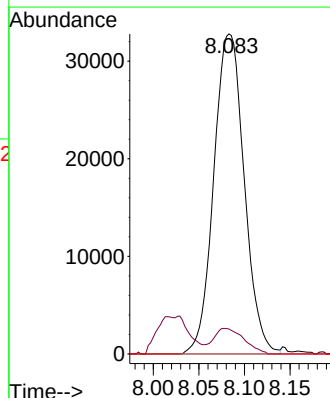
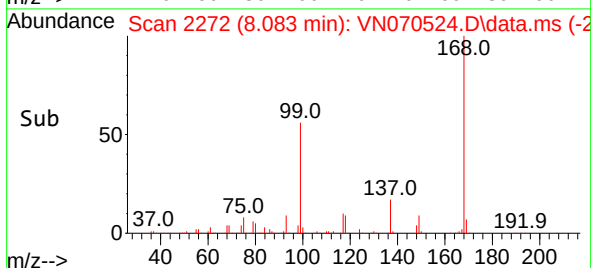
Tgt Ion:113 Resp: 476110
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.2
 192 19.9 16.9 25.3

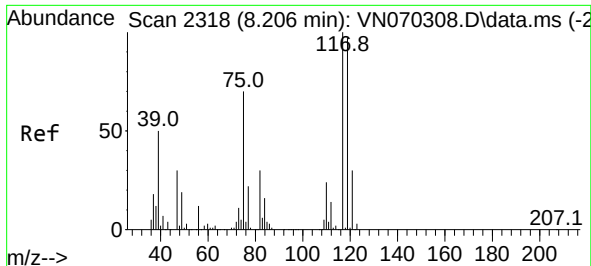


#36
 1,1-Dichloropropene
 Concen: 4.723 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.137 min
 Lab File: VN070524.D
 Acq: 6 Jan 2022 17:18



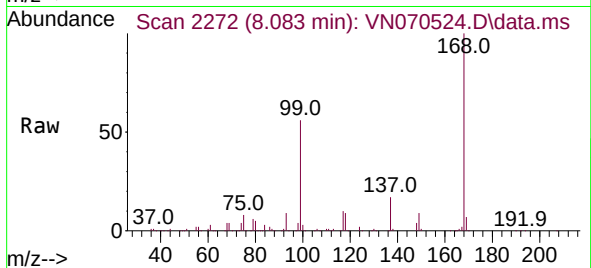
Tgt Ion: 75 Resp: 76139
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.4 55.2#
 77 0.0 24.4 36.6#



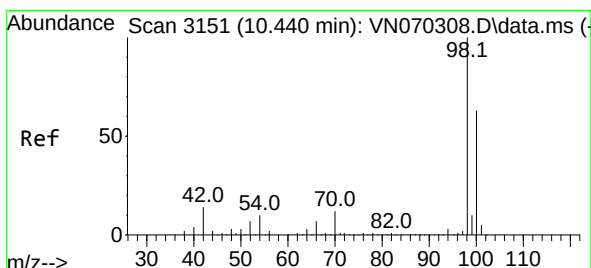
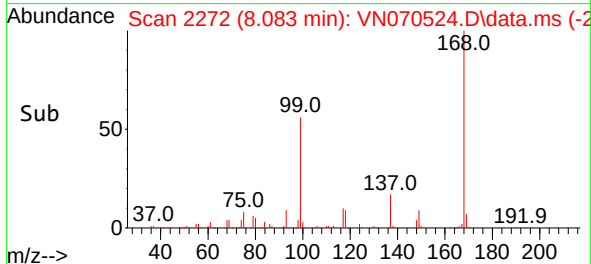
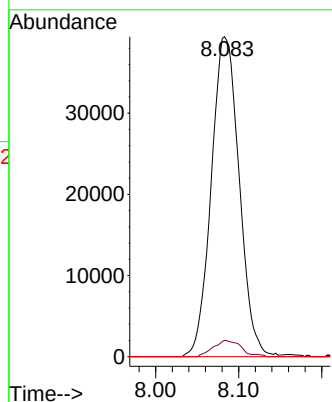


#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.123 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Instrument :
MSVOA_N
ClientSampleId :

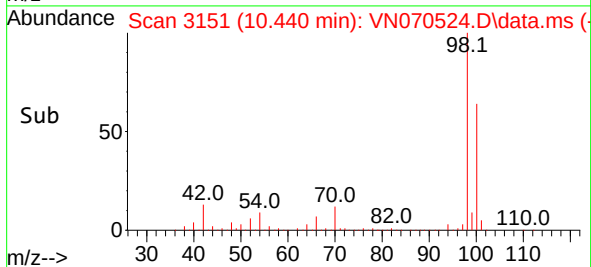
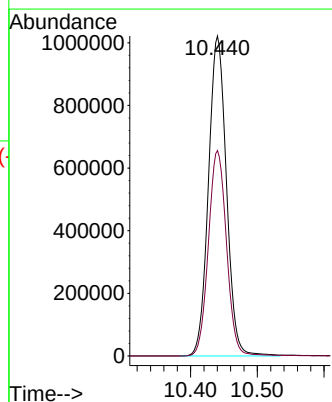
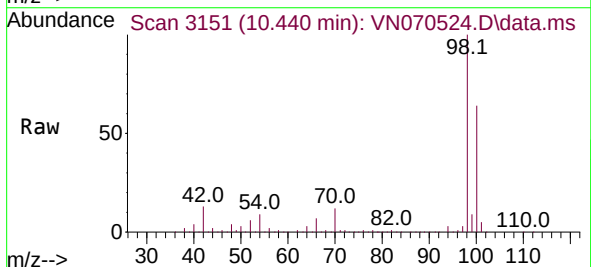


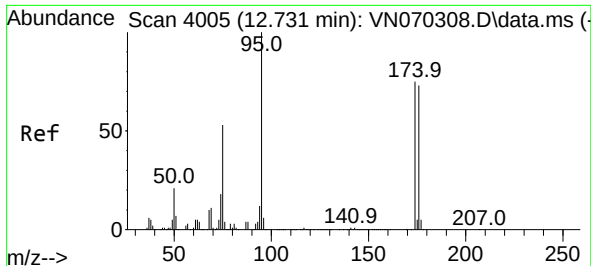
Tgt Ion:117 Resp: 92179
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion: 98 Resp: 1910454
Ion Ratio Lower Upper
98 100
100 64.7 50.4 75.6

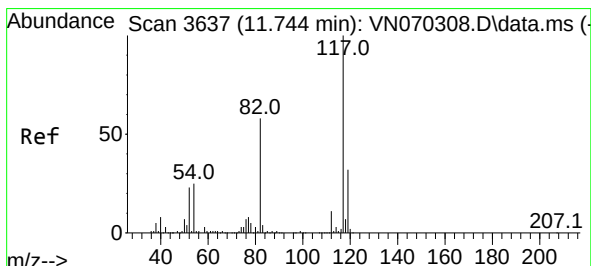
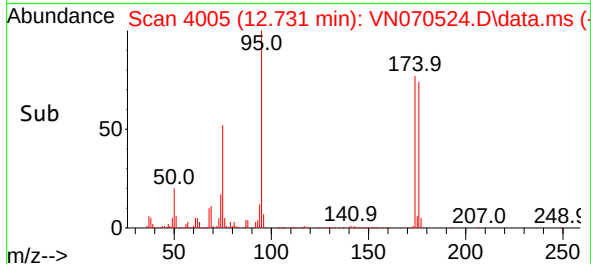
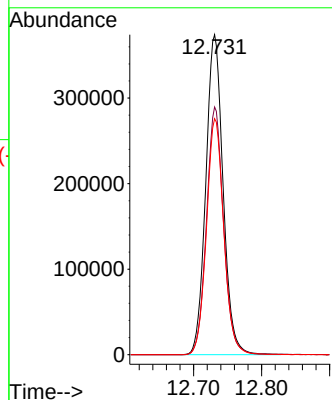
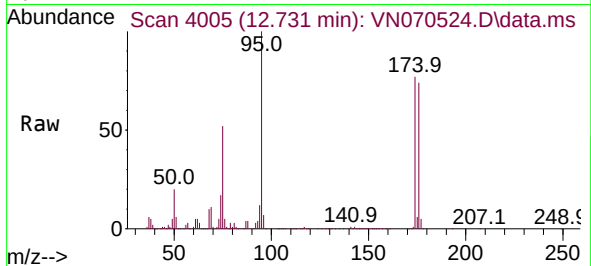




#62
4-Bromofluorobenzene
Concen: 45.959 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

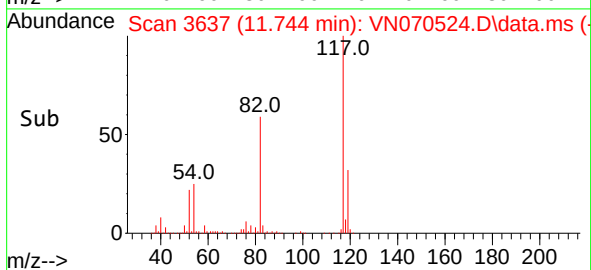
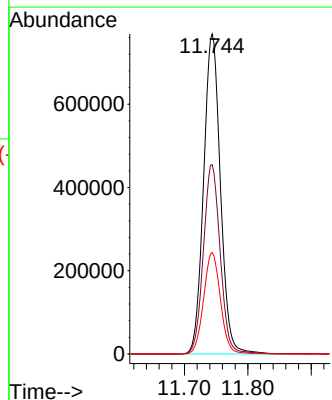
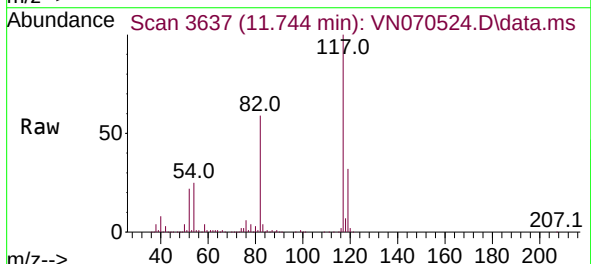
Instrument :
MSVOA_N
ClientSampleId :

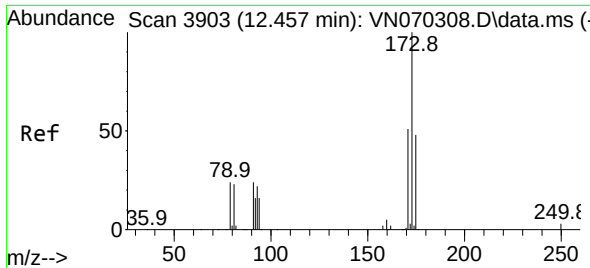
Tgt Ion: 95 Resp: 660806
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion: 117 Resp: 1417458
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.7 25.4 38.2

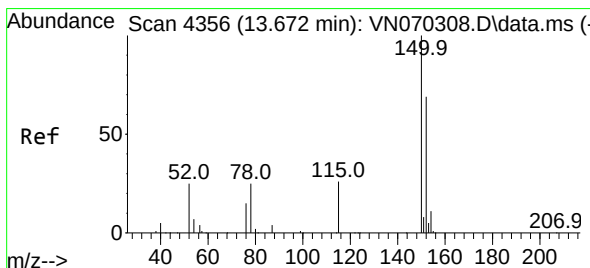
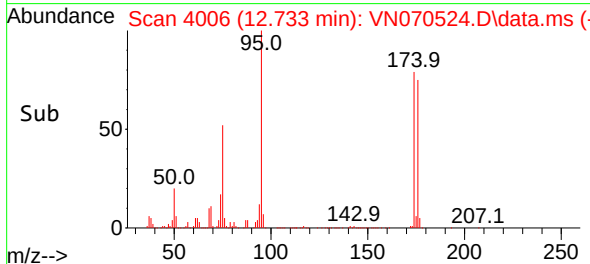
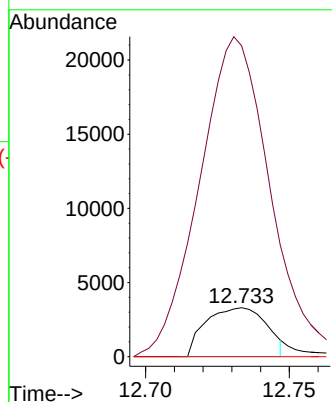
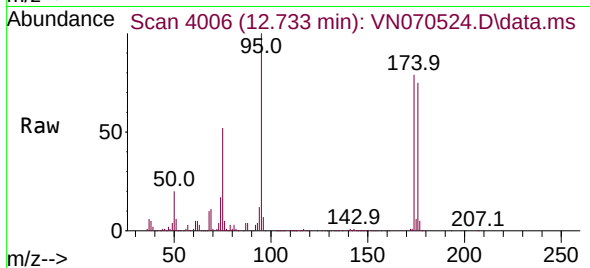




#71
Bromoform
Concen: 0.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.276 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

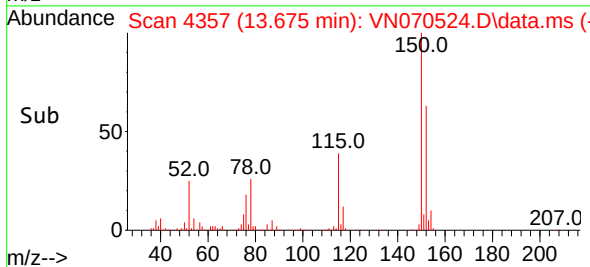
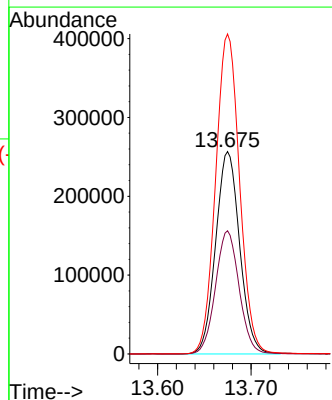
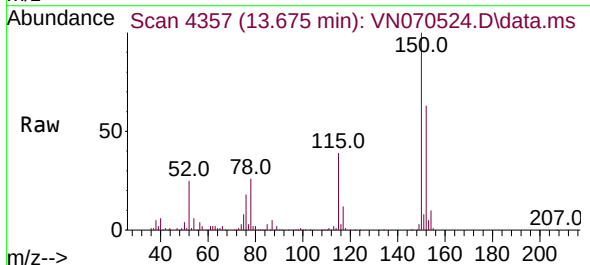
Instrument :
MSVOA_N
ClientSampleId :

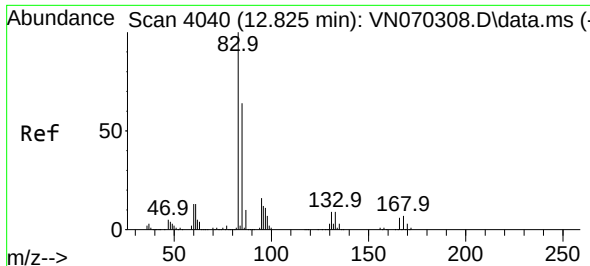
Tgt Ion:173 Resp: 4860
Ion Ratio Lower Upper
173 100
175 694.5 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion:152 Resp: 458357
Ion Ratio Lower Upper
152 100
115 60.0 27.5 82.5
150 157.8 0.0 344.4

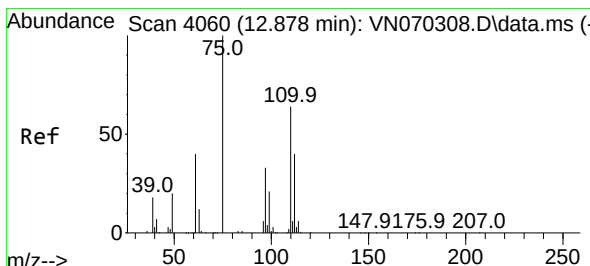
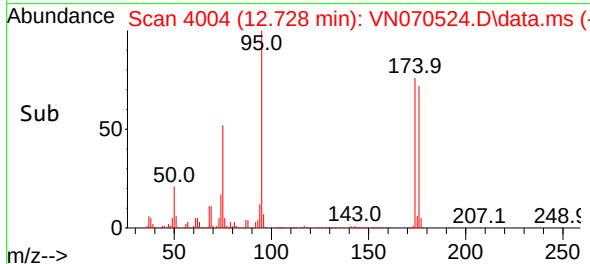
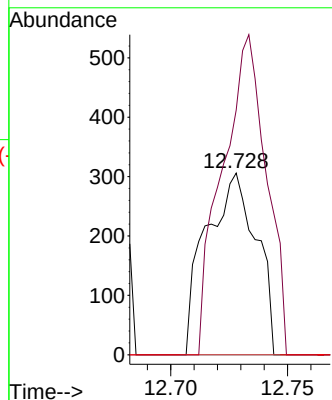
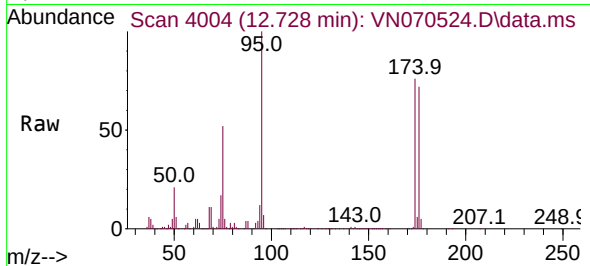




#75
1,1,2,2-Tetrachloroethane
Concen: 0.476 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.097 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

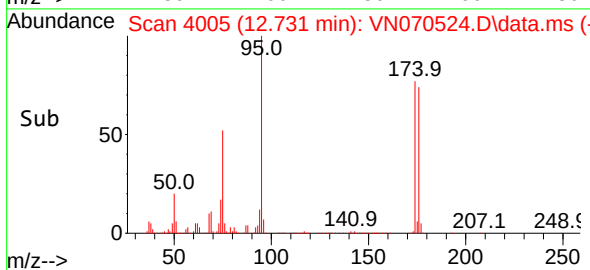
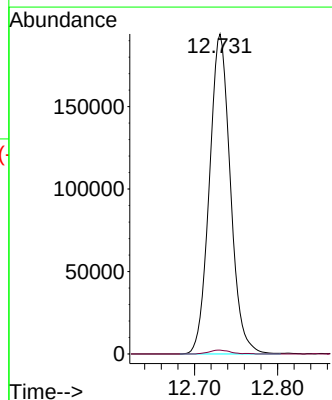
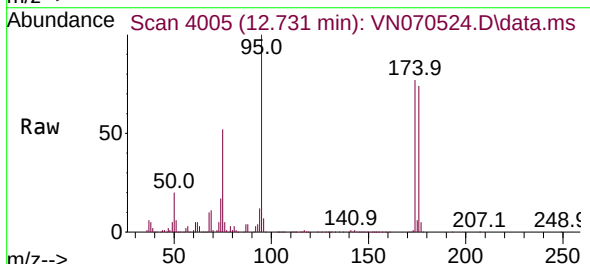
Instrument :
MSVOA_N
ClientSampleId :

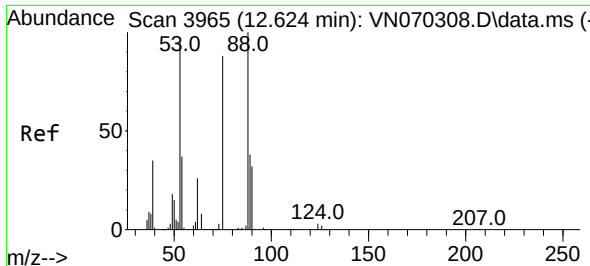
Tgt Ion: 83 Resp: 457
Ion Ratio Lower Upper
83 100
131 154.7 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.433 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion: 75 Resp: 340196
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

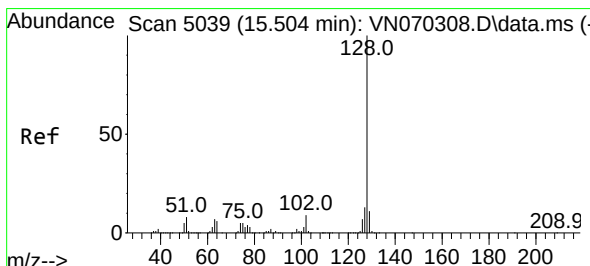
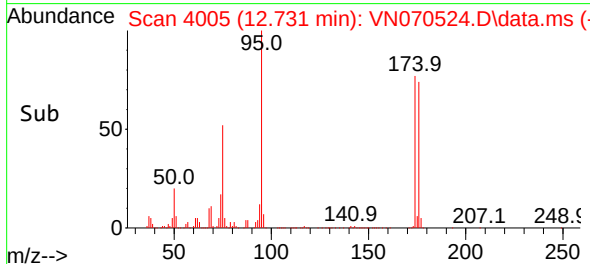
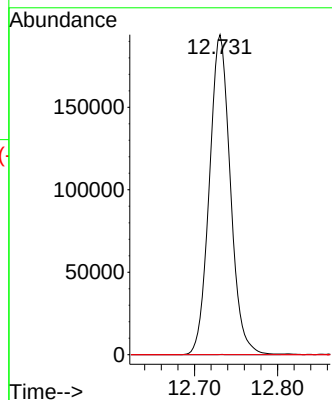
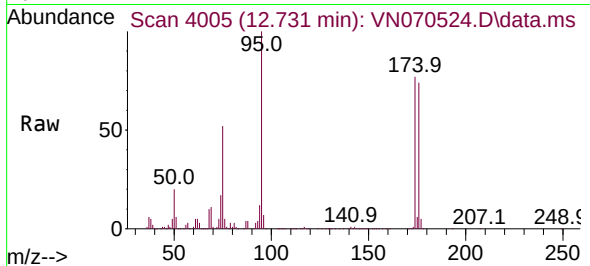




#81
trans-1,4-Dichloro-2-butene
Concen: 90.681 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

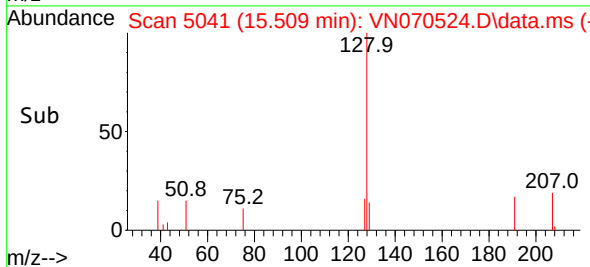
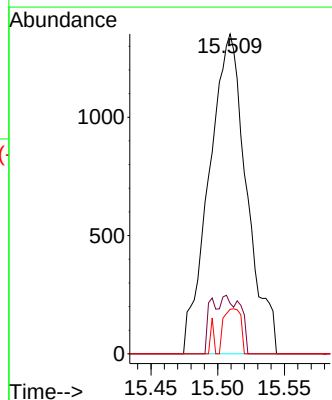
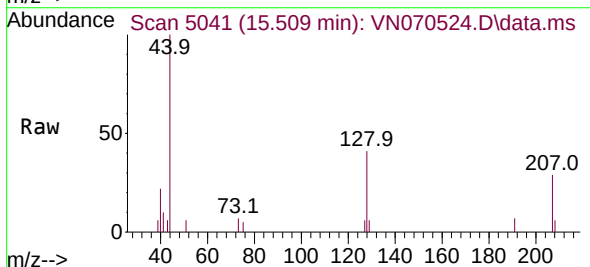
Instrument :
MSVOA_N
ClientSampleId :

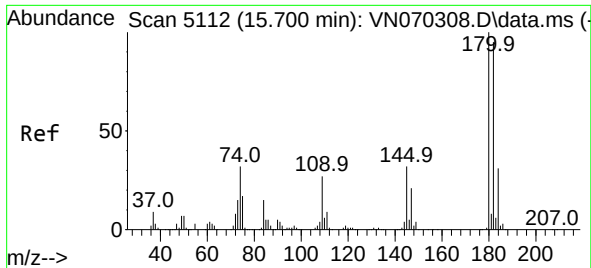
Tgt Ion: 75 Resp: 340196
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.919 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070524.D
Acq: 6 Jan 2022 17:18

Tgt Ion:128 Resp: 2645
Ion Ratio Lower Upper
128 100
127 9.1 10.5 15.7#
129 6.4 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.860 ug/l

RT: 15.686 min Scan# 51

Delta R.T. -0.014 min

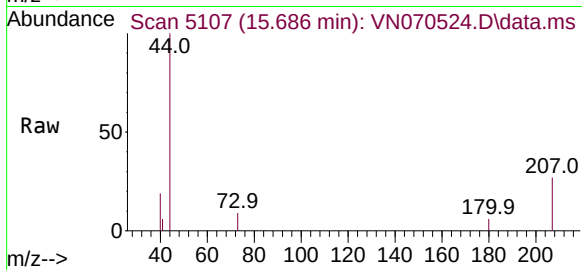
Lab File: VN070524.D

Acq: 6 Jan 2022 17:18

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 252

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.0 45.1#

