

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070503.D
 Acq On : 5 Jan 2022 21:01
 Operator : JC/MD
 Sample : N1015-04 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 06 13:27:41 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

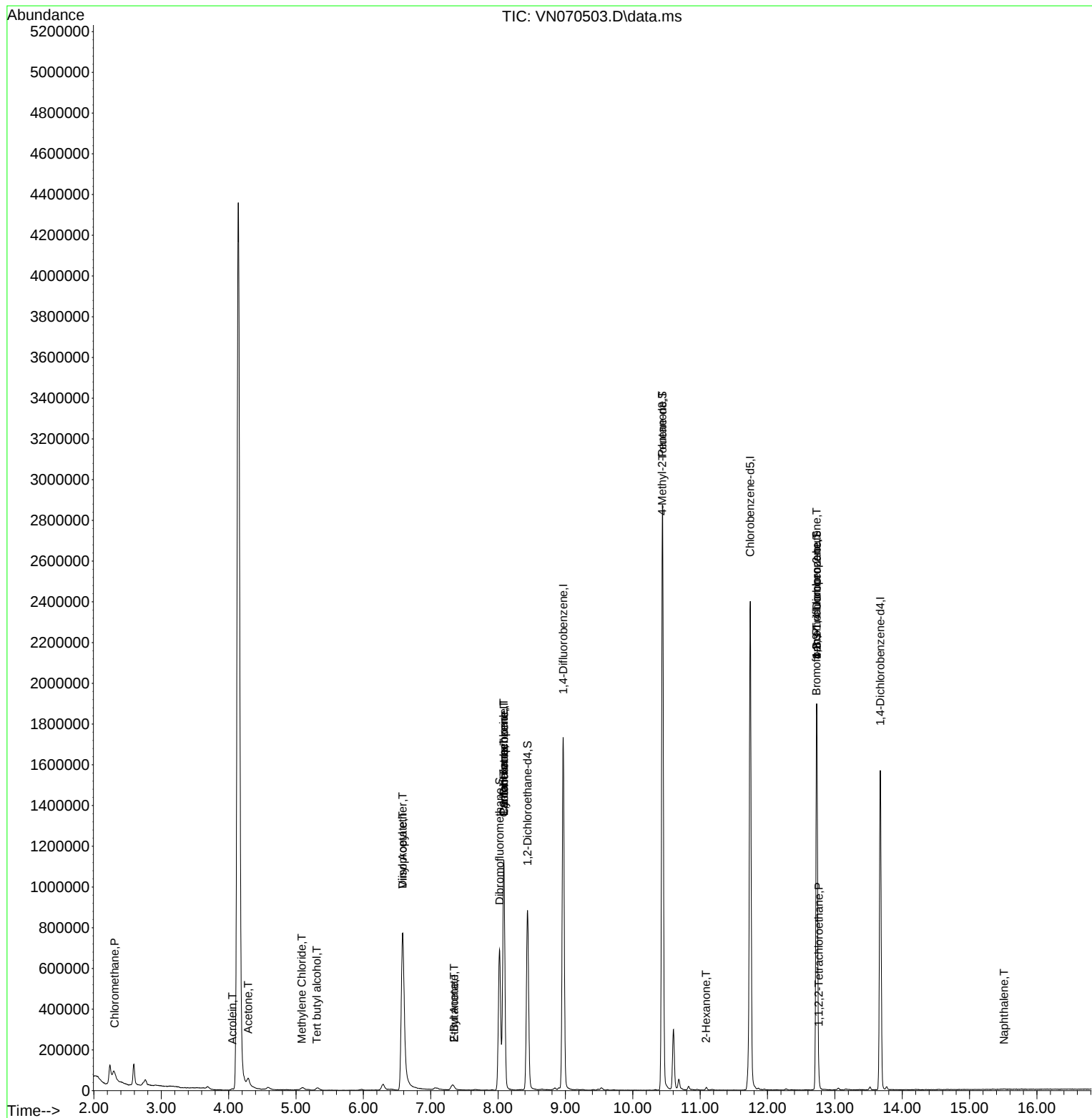
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	880239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1499563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1331963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	433825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	734690	58.050	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.100%
35) Dibromofluoromethane	8.021	113	517487	57.035	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	114.080%
50) Toluene-d8	10.440	98	2006037	54.123	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.240%
62) 4-Bromofluorobenzene	12.731	95	706281	52.759	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.520%
Target Compounds						Qvalue
3) Chloromethane	2.306	50	4285	0.316	ug/l #	85
11) Tert butyl alcohol	5.307	59	5240	2.487	ug/l #	74
13) Acrolein	4.055	56	8089	4.731	ug/l #	14
16) Acetone	4.291	43	56083	6.826	ug/l #	30
20) Methylene Chloride	5.085	84	2963	0.261	ug/l	95
22) Diisopropyl ether	6.581	45	66108	1.670	ug/l #	1
23) Vinyl Acetate	6.584	43	159480	5.192	ug/l #	72
25) 2-Butanone	7.348	43	21219	2.051	ug/l #	86
31) Cyclohexane	8.086	56	19686	0.986	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	69526	4.632	ug/l #	49
37) Ethyl Acetate	7.348	43	21219	1.091	ug/l #	68
38) Carbon Tetrachloride	8.083	117	85792	5.986	ug/l #	17
51) 4-Methyl-2-Pentanone	10.435	43	11209	0.582	ug/l #	1
59) 2-Hexanone	11.087	43	3824	0.272	ug/l	66
71) Bromoform	12.725	173	1981	0.265	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.763	83	87	0.453	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	360942	29.301	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	360942	101.651	ug/l #	5
95) Naphthalene	15.509	128	1956	1.892	ug/l #	72

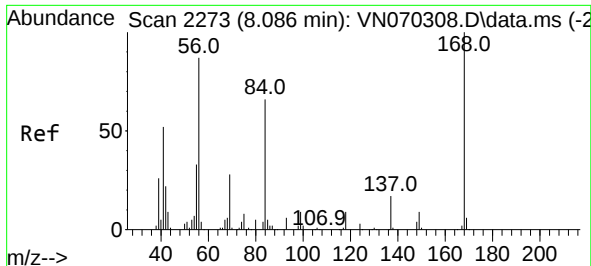
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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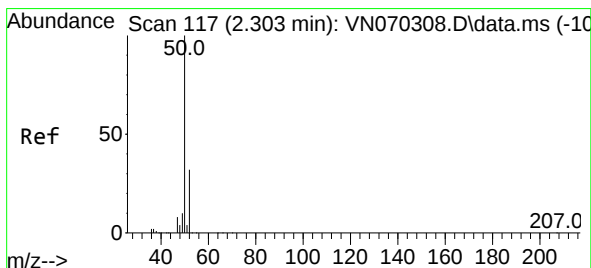
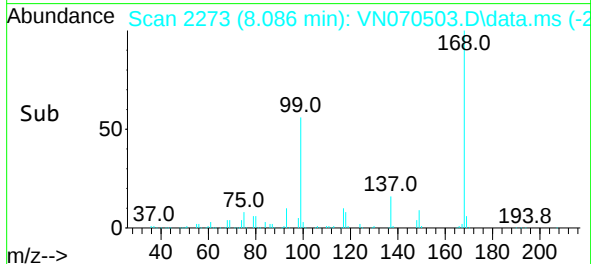
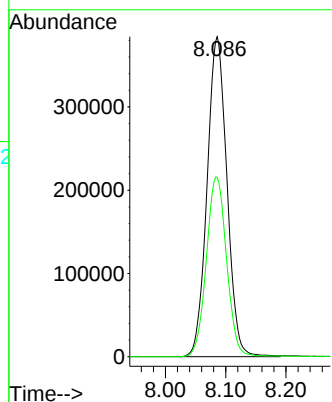
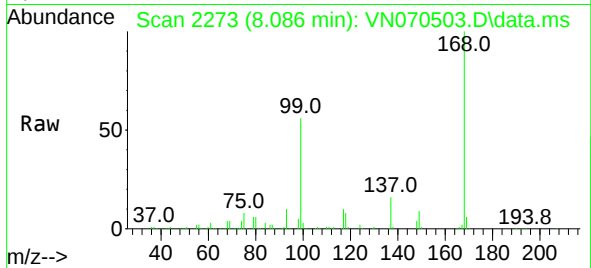




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

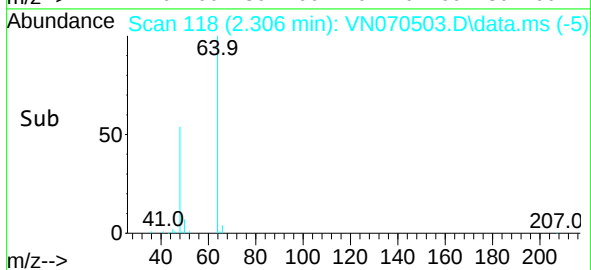
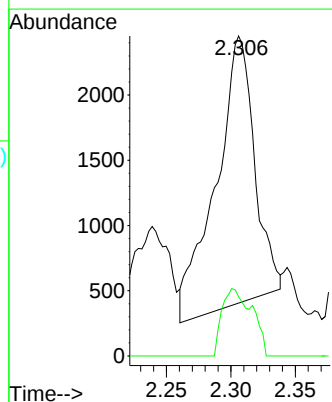
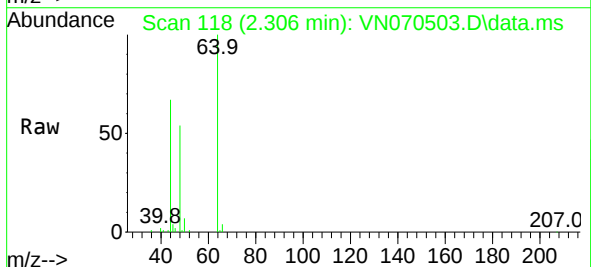
Instrument :
MSVOA_N
ClientSampleId :

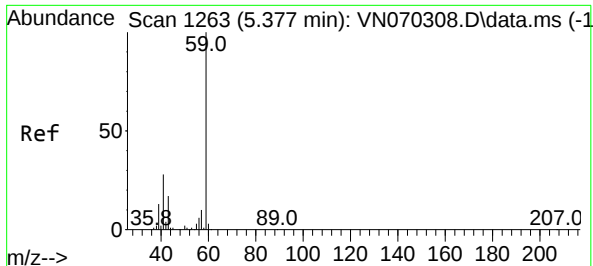
Tgt Ion:168 Resp: 880239
Ion Ratio Lower Upper
168 100
99 56.1 41.3 61.9



#3
Chloromethane
Concen: 0.316 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Tgt Ion: 50 Resp: 4285
Ion Ratio Lower Upper
50 100
52 23.4 25.4 38.0#





#11

Tert butyl alcohol

Concen: 2.487 ug/l

RT: 5.307 min Scan# 11

Delta R.T. -0.070 min

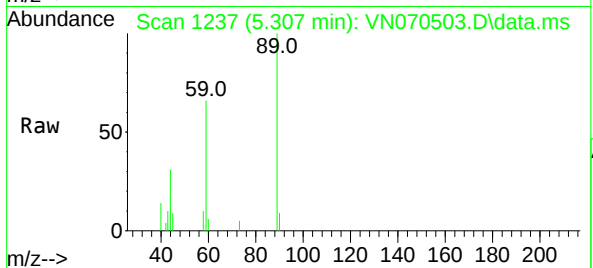
Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

Instrument :

MSVOA_N

ClientSampleId :

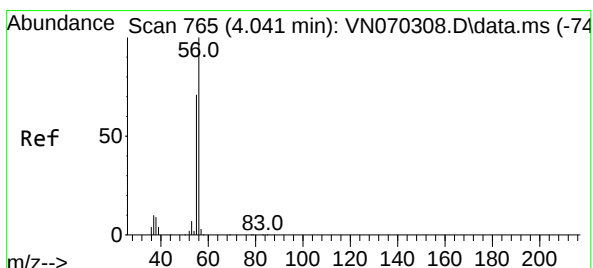
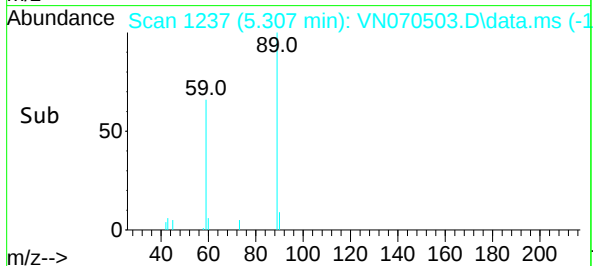
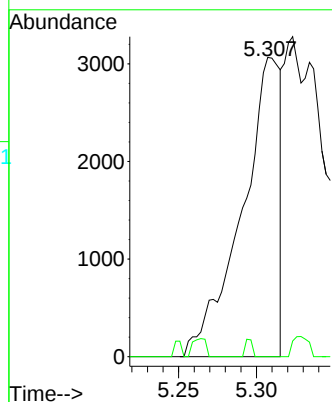


Tgt Ion: 59 Resp: 5240

Ion Ratio Lower Upper

59 100

57 1.1 8.7 13.1#



#13

Acrolein

Concen: 4.731 ug/l

RT: 4.055 min Scan# 770

Delta R.T. 0.014 min

Lab File: VN070503.D

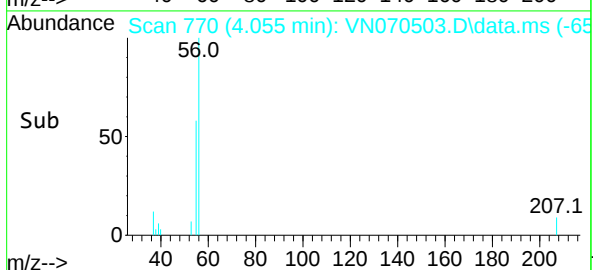
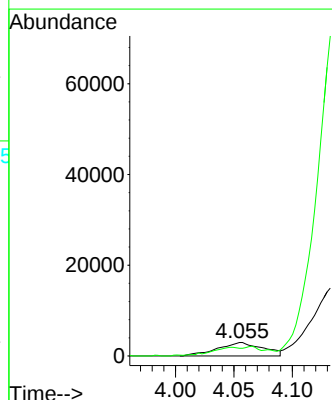
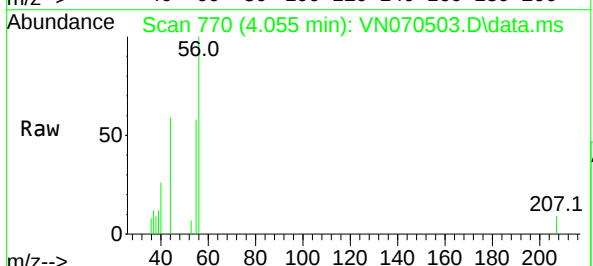
Acq: 5 Jan 2022 21:01

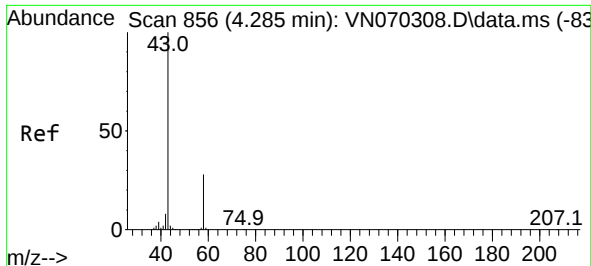
Tgt Ion: 56 Resp: 8089

Ion Ratio Lower Upper

56 100

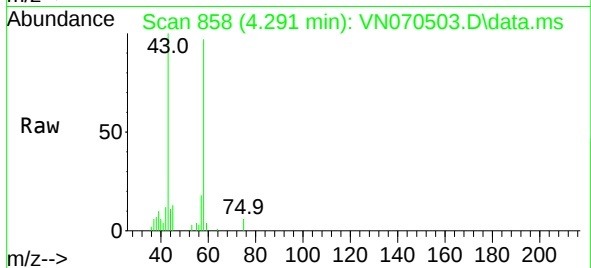
55 0.0 56.6 85.0#



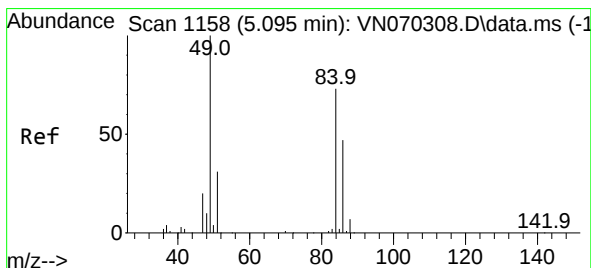
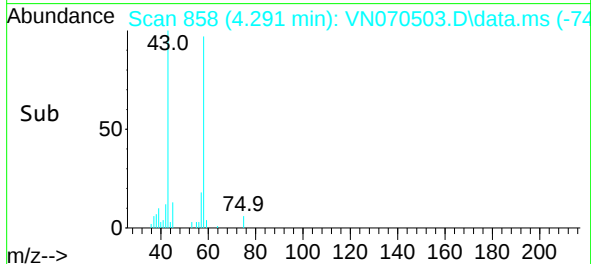
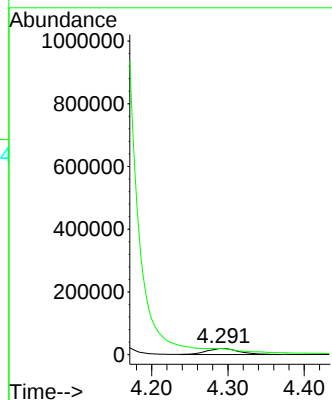


#16
Acetone
Concen: 6.826 ug/l
RT: 4.291 min Scan# 856
Delta R.T. 0.006 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Instrument :
MSVOA_N
ClientSampleId :

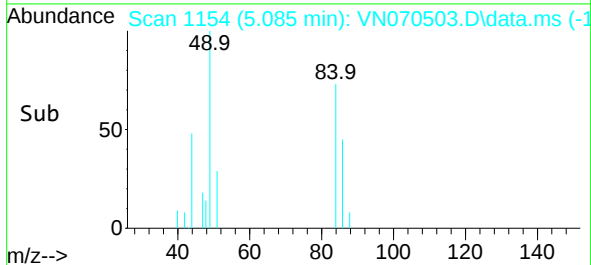
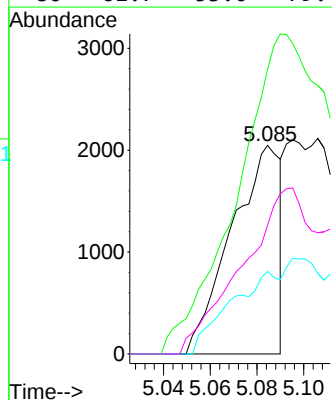
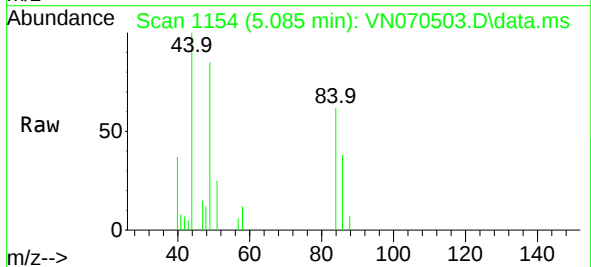


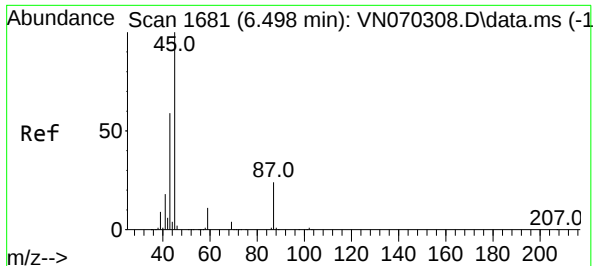
Tgt Ion: 43 Resp: 56083
Ion Ratio Lower Upper
43 100
58 66.4 23.1 34.7#



#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. -0.010 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Tgt Ion: 84 Resp: 2963
Ion Ratio Lower Upper
84 100
49 121.5 93.5 140.3
51 39.6 29.4 44.2
86 61.7 53.0 79.4





#22

Diisopropyl ether

Concen: 1.670 ug/l

RT: 6.581 min Scan# 1712

Delta R.T. 0.083 min

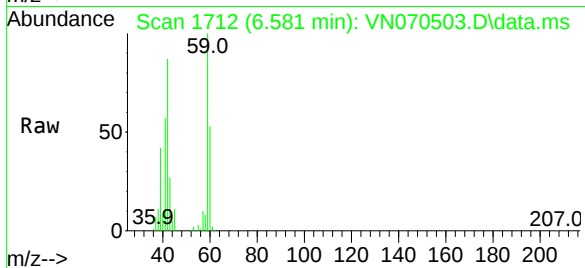
Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 45 Resp: 66108

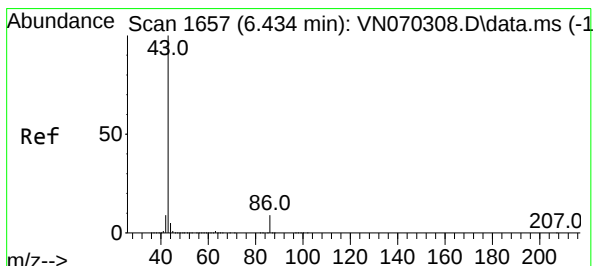
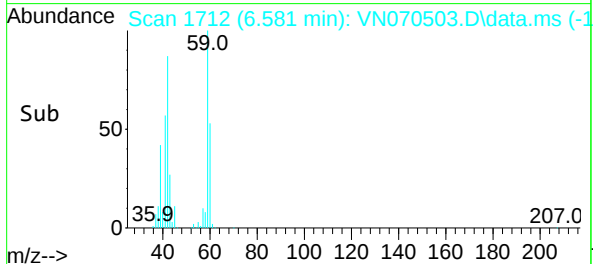
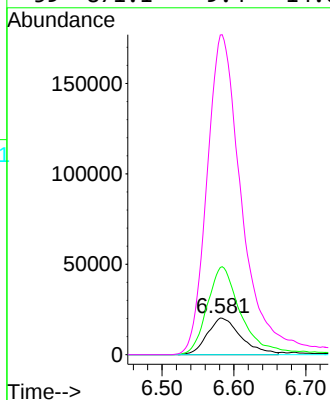
Ion Ratio Lower Upper

45 100

43 237.2 51.7 77.5#

87 0.0 23.2 34.8#

59 871.1 9.4 14.0#



#23

Vinyl Acetate

Concen: 5.192 ug/l

RT: 6.584 min Scan# 1713

Delta R.T. 0.150 min

Lab File: VN070503.D

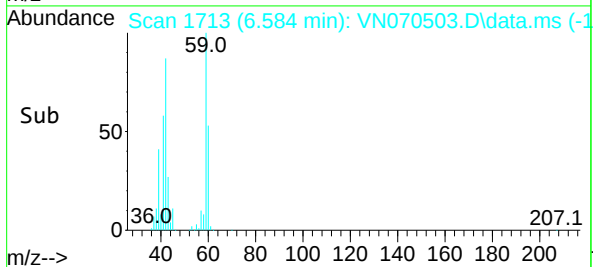
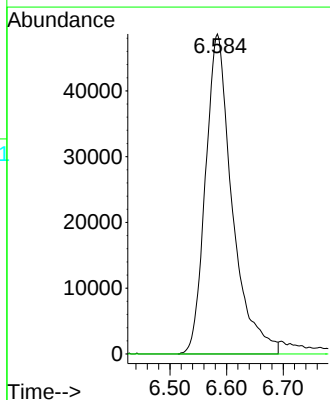
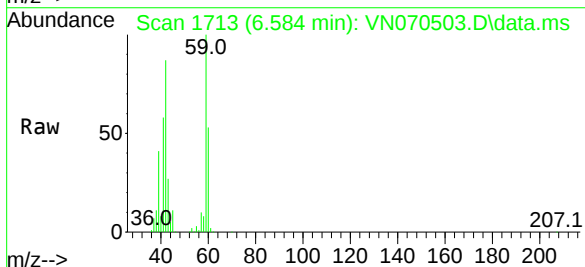
Acq: 5 Jan 2022 21:01

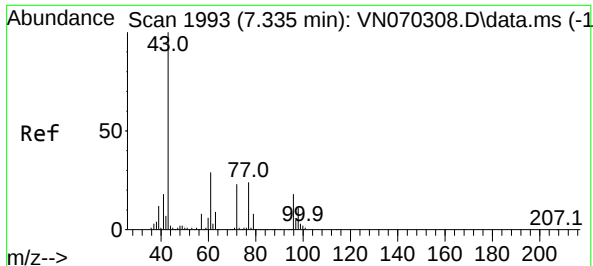
Tgt Ion: 43 Resp: 159480

Ion Ratio Lower Upper

43 100

86 0.0 8.5 12.7#





#25

2-Butanone

Concen: 2.051 ug/l

RT: 7.348 min Scan# 1993

Delta R.T. 0.013 min

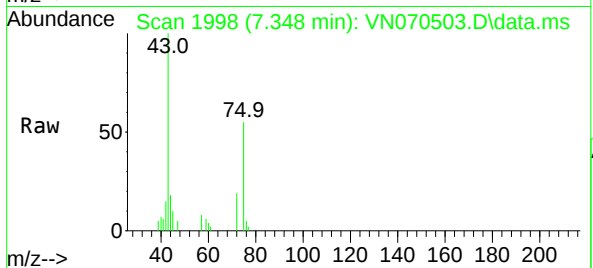
Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

Instrument :

MSVOA_N

ClientSampleId :

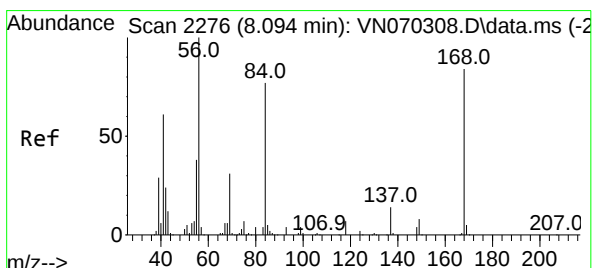
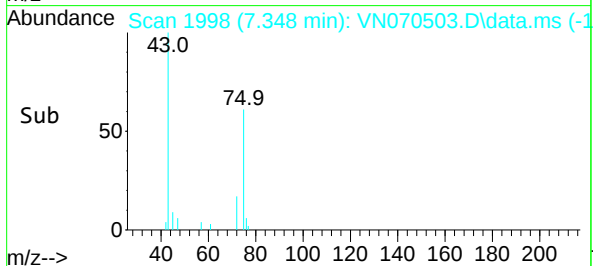
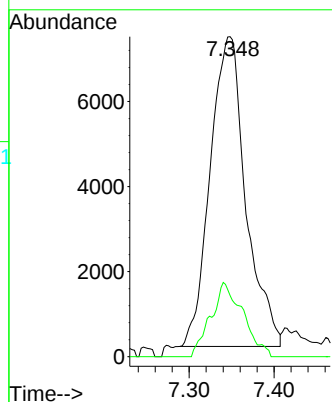


Tgt Ion: 43 Resp: 21219

Ion Ratio Lower Upper

43 100

72 19.7 21.7 32.5#



#31

Cyclohexane

Concen: 0.986 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

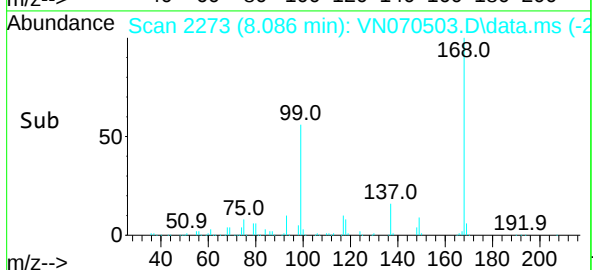
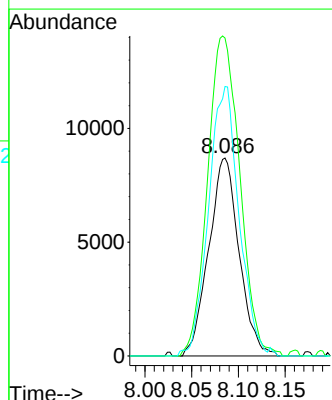
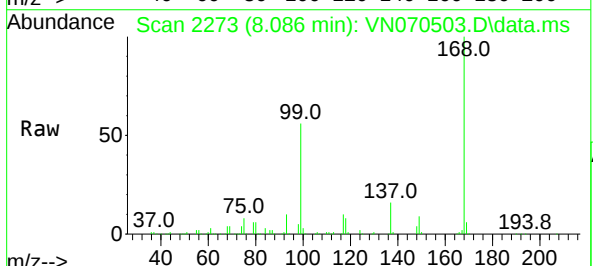
Tgt Ion: 56 Resp: 19686

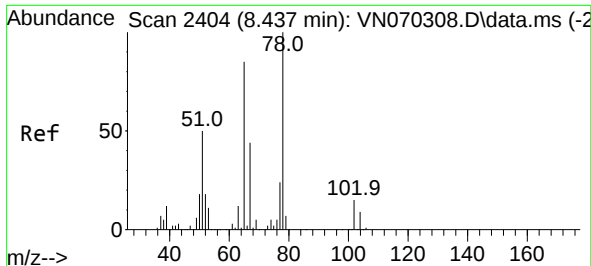
Ion Ratio Lower Upper

56 100

69 160.7 27.1 40.7#

84 136.2 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 58.050 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

Instrument :

MSVOA_N

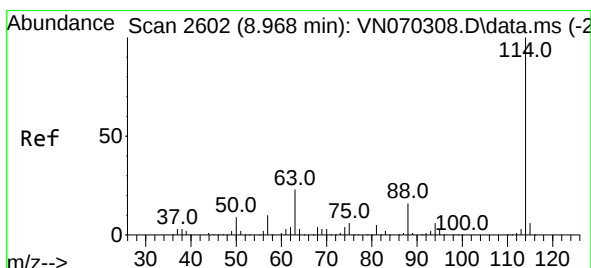
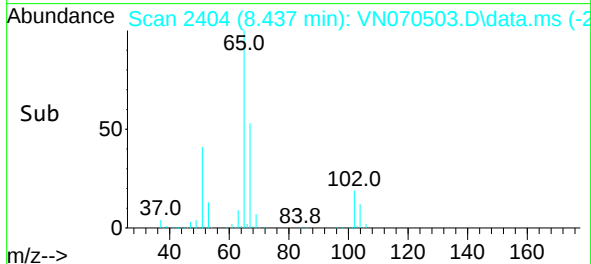
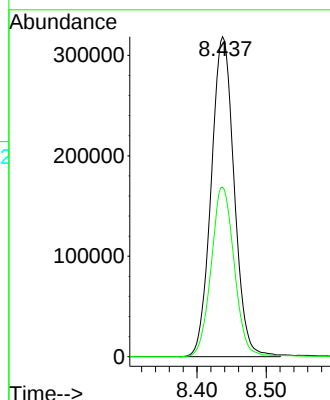
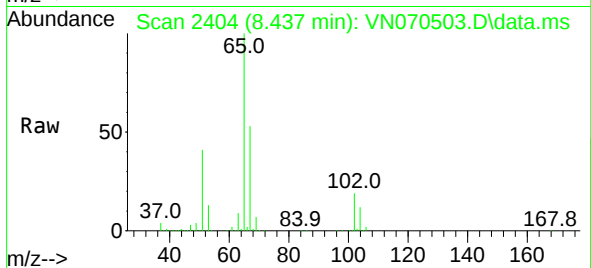
ClientSampleId :

Tgt Ion: 65 Resp: 734690

Ion Ratio Lower Upper

65 100

67 53.2 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: VN070503.D

Acq: 5 Jan 2022 21:01

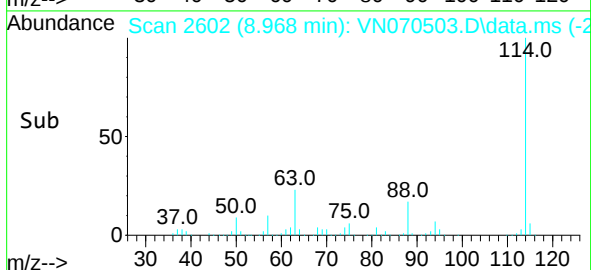
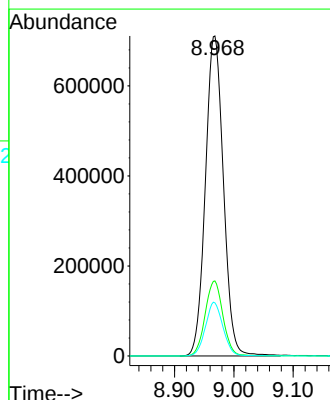
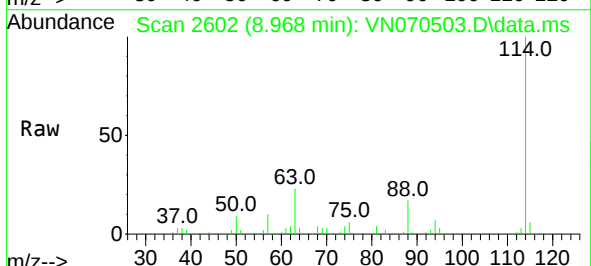
Tgt Ion: 114 Resp: 1499563

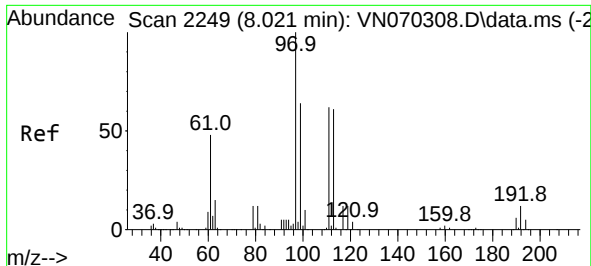
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

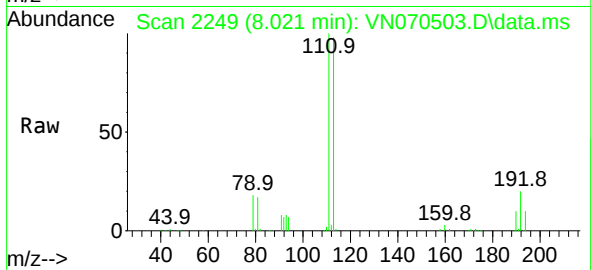
88 16.6 0.0 27.4



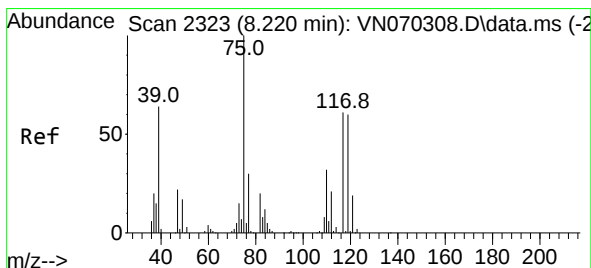
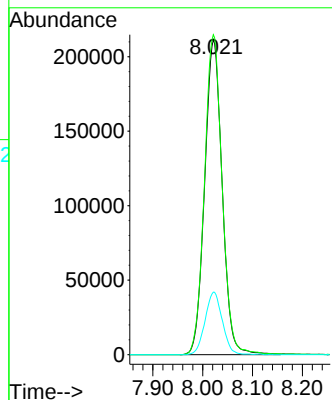
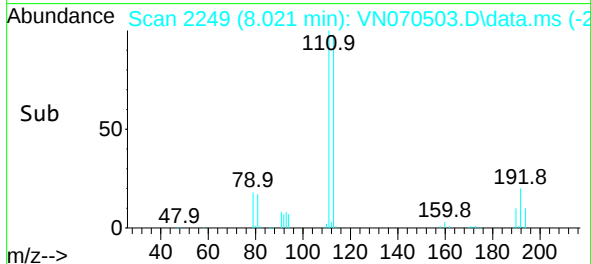


#35
Dibromofluoromethane
Concen: 57.035 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Instrument :
MSVOA_N
ClientSampleId :

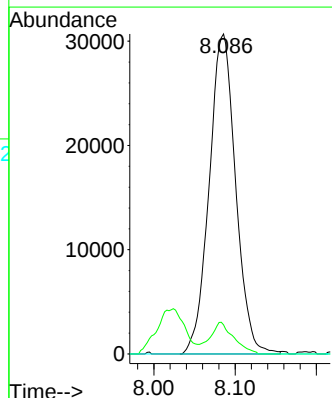
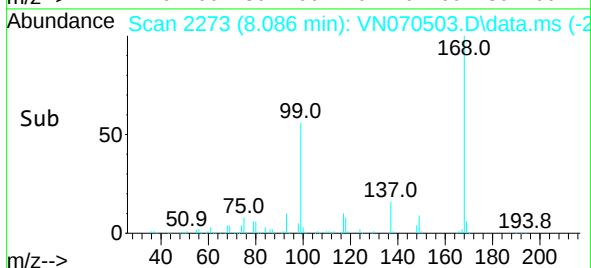
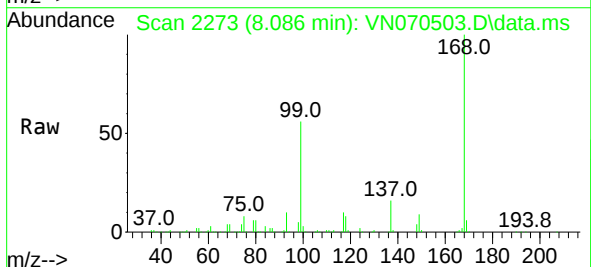


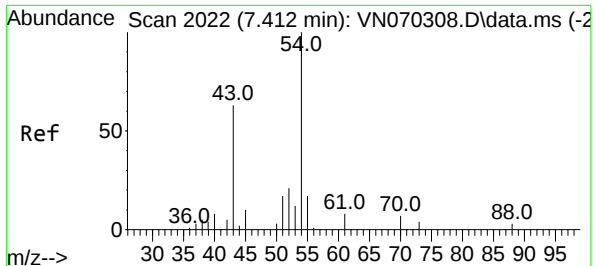
Tgt Ion:113 Resp: 517487
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Tgt Ion: 75 Resp: 69526
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.091 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.064 min

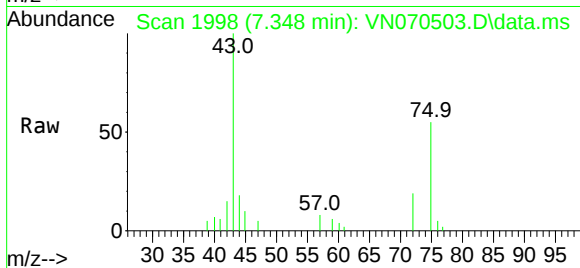
Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

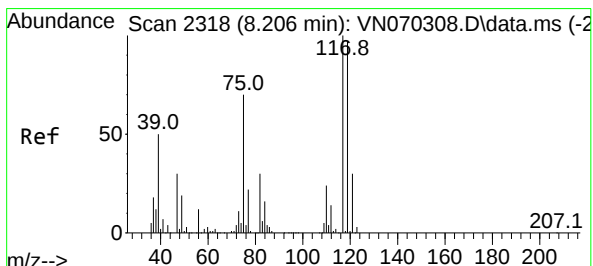
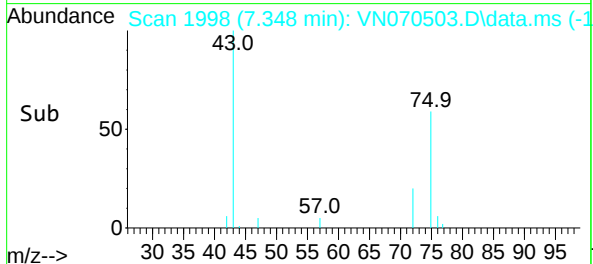
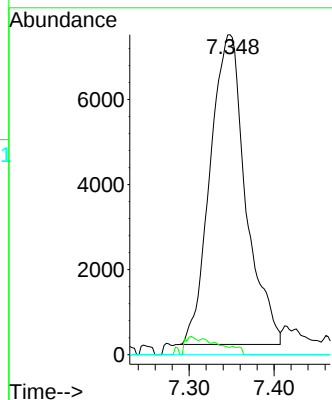
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	21219
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.986 ug/l

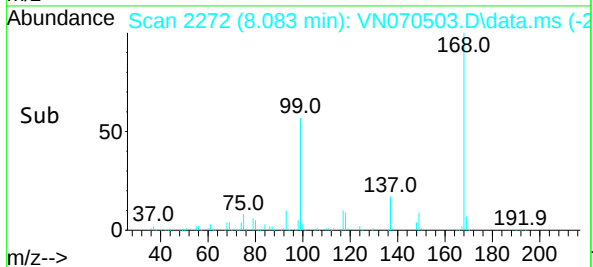
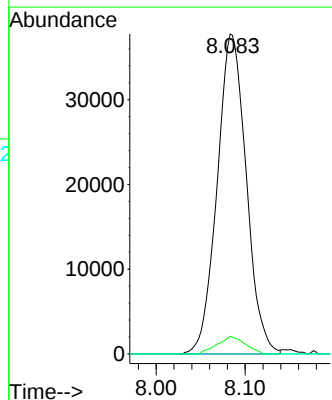
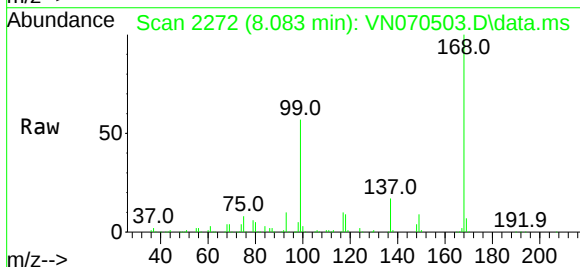
RT: 8.083 min Scan# 2272

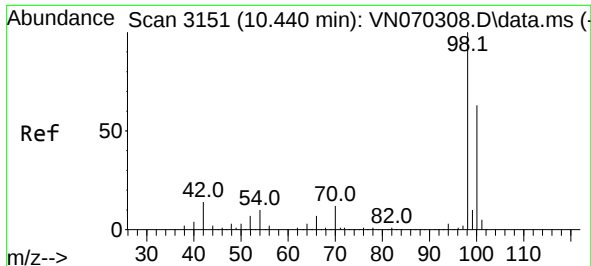
Delta R.T. -0.123 min

Lab File: VN070503.D

Acq: 5 Jan 2022 21:01

Tgt Ion:	117	Resp:	85792
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	24.2	36.2#

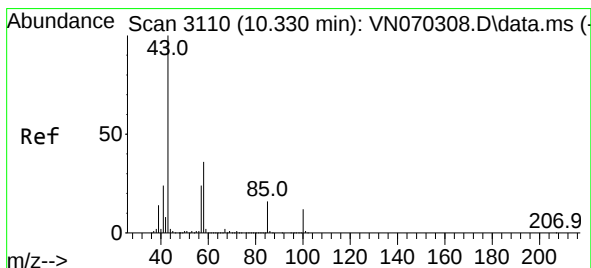
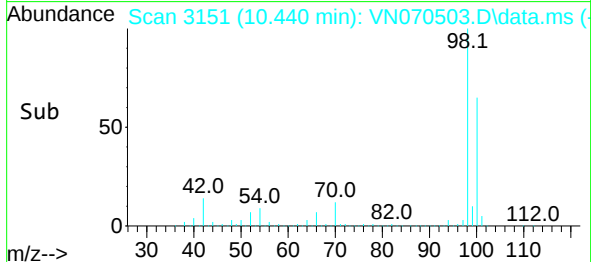
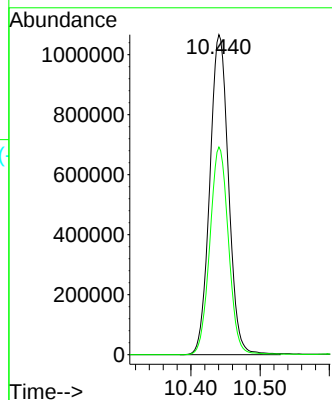
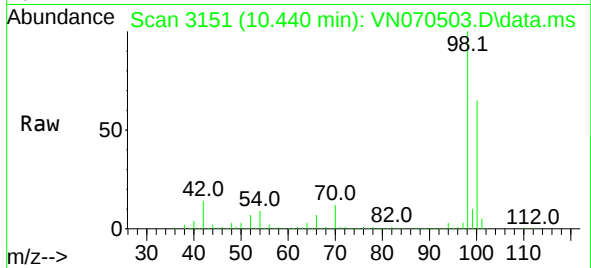




#50
Toluene-d8
Concen: 54.123 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

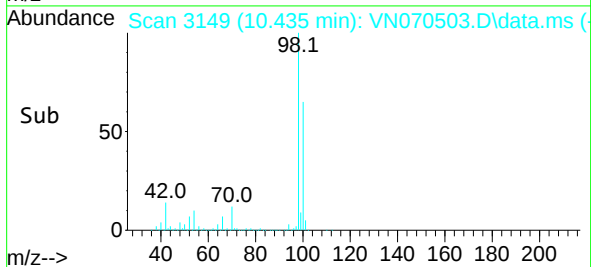
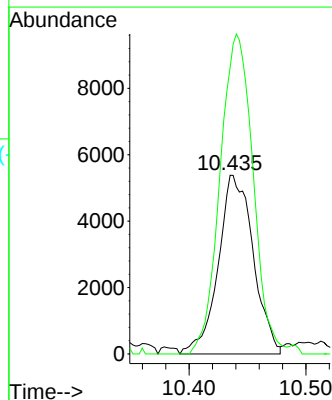
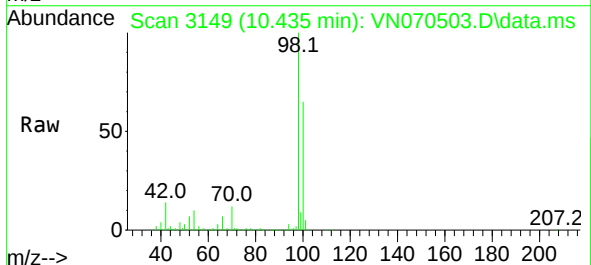
Instrument :
MSVOA_N
ClientSampleId :

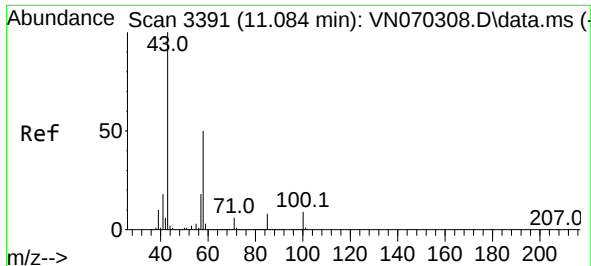
Tgt Ion: 98 Resp: 2006037
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 10.435 min Scan# 3149
Delta R.T. 0.105 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

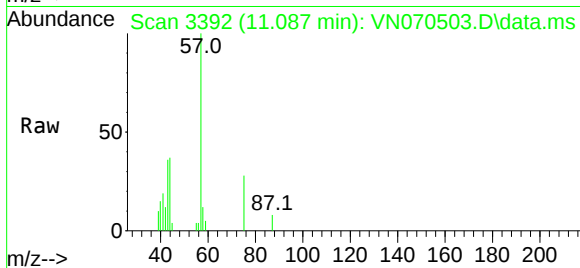
Tgt Ion: 43 Resp: 11209
Ion Ratio Lower Upper
43 100
58 168.6 30.4 45.6#



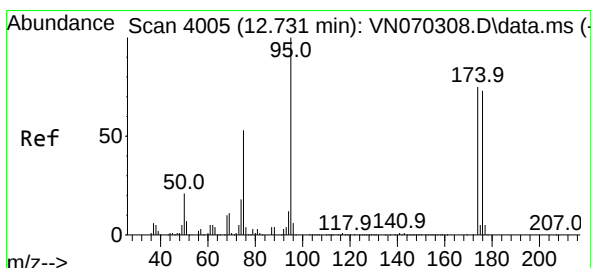
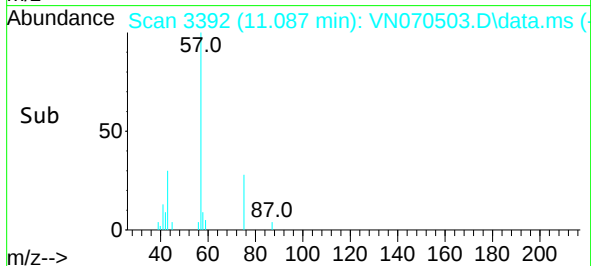
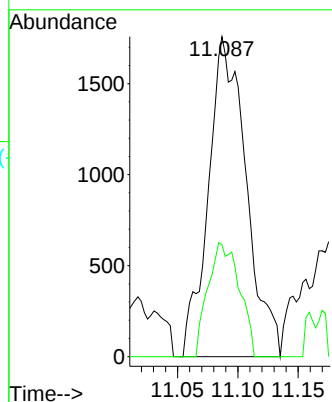


#59
2-Hexanone
Concen: 0.272 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Instrument :
MSVOA_N
ClientSampleId :

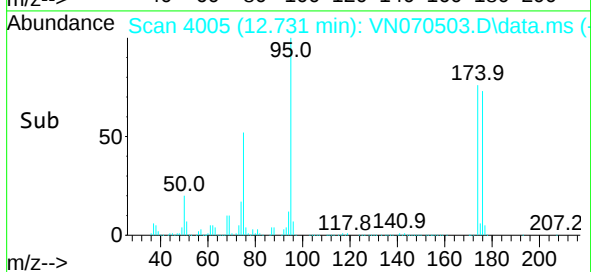
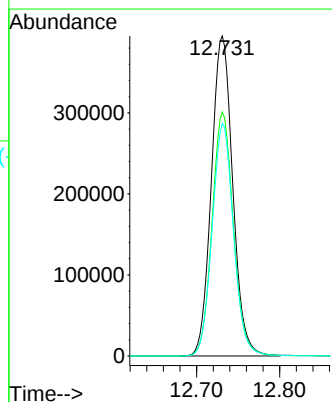
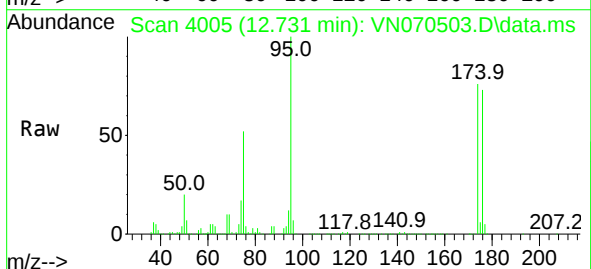


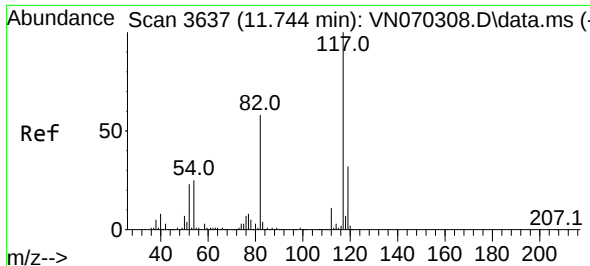
Tgt Ion: 43 Resp: 3824
Ion Ratio Lower Upper
43 100
58 29.6 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 52.759 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

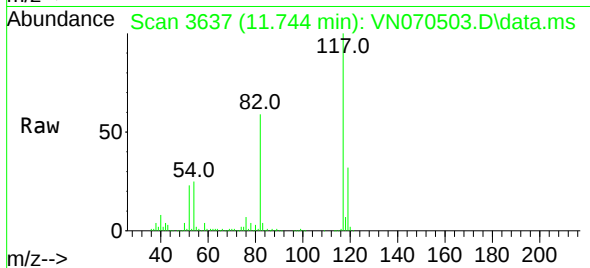
Tgt Ion: 95 Resp: 706281
Ion Ratio Lower Upper
95 100
174 76.2 0.0 187.2
176 72.7 0.0 181.4



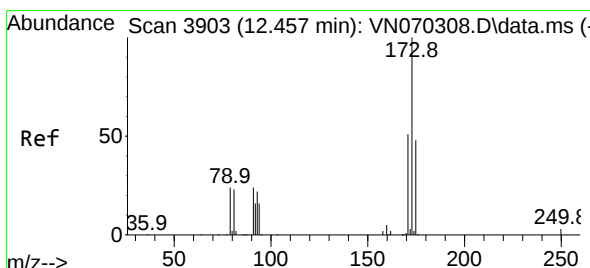
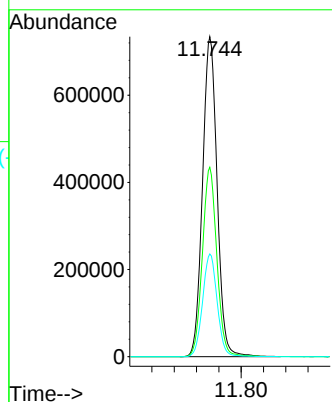
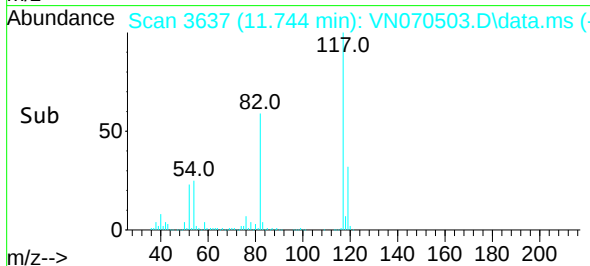


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Instrument :
MSVOA_N
ClientSampleId :

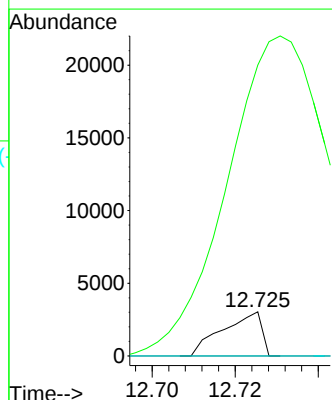
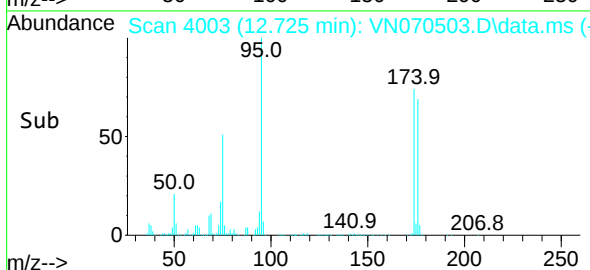
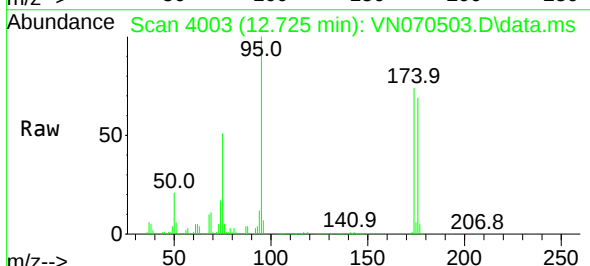


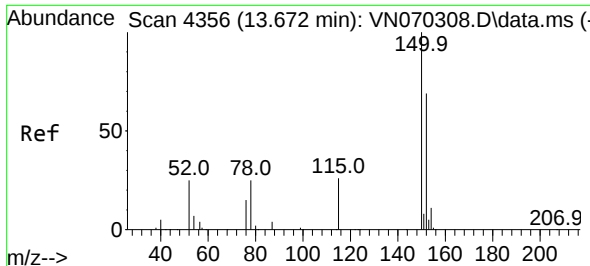
Tgt Ion:117 Resp: 1331963
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.265 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.268 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

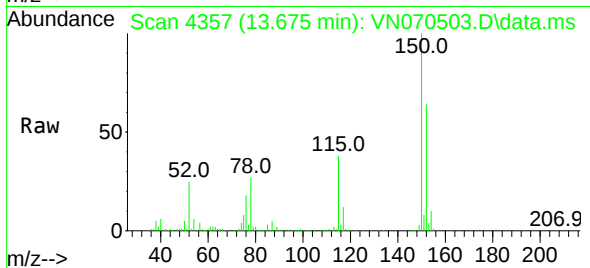
Tgt Ion:173 Resp: 1981
Ion Ratio Lower Upper
173 100
175 1830.3 24.2 72.6#
254 0.0 0.0 0.0



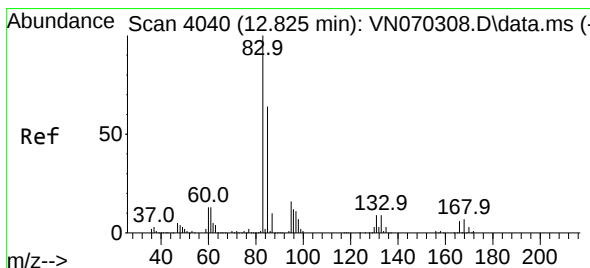
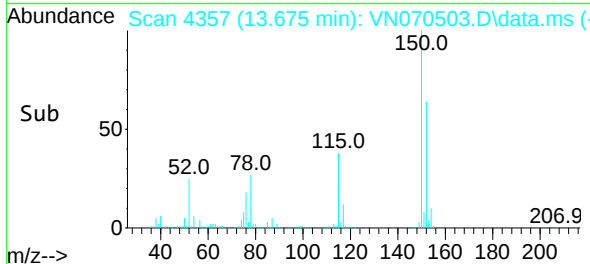
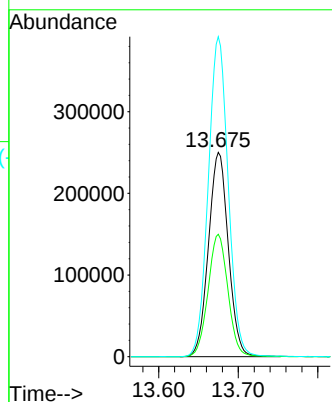


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070503.D
 Acq: 5 Jan 2022 21:01

Instrument :
 MSVOA_N
 ClientSampleId :

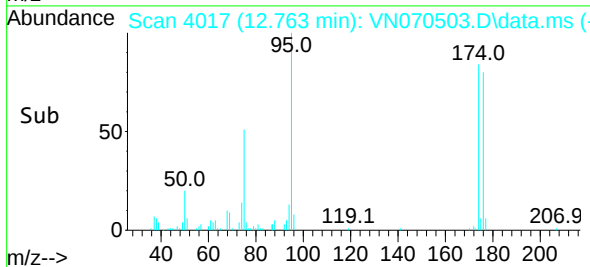
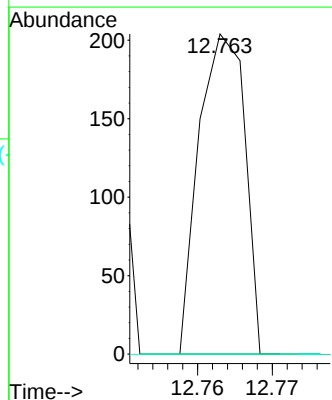
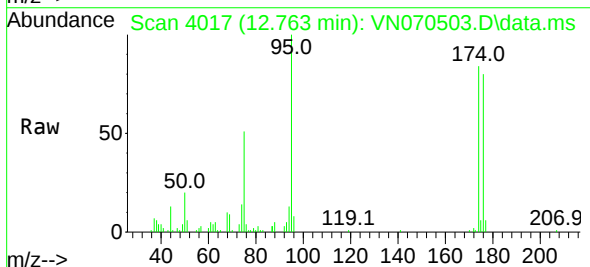


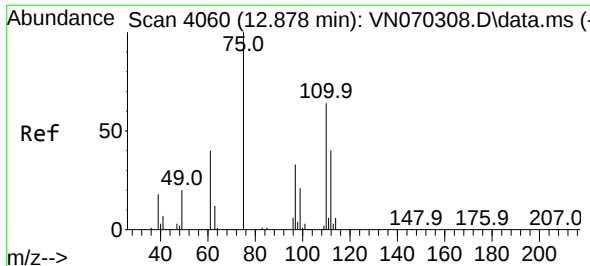
Tgt Ion:152 Resp: 433825
 Ion Ratio Lower Upper
 152 100
 115 59.9 27.5 82.5
 150 157.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.453 ug/l
 RT: 12.763 min Scan# 4017
 Delta R.T. -0.062 min
 Lab File: VN070503.D
 Acq: 5 Jan 2022 21:01

Tgt Ion: 83 Resp: 87
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

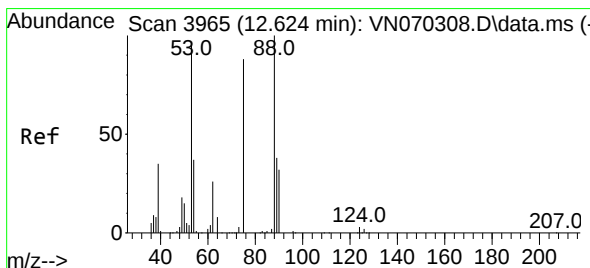
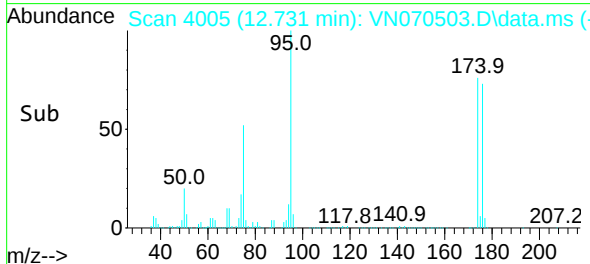
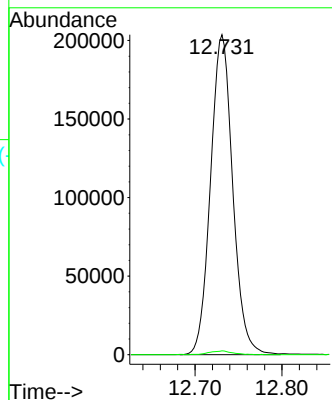
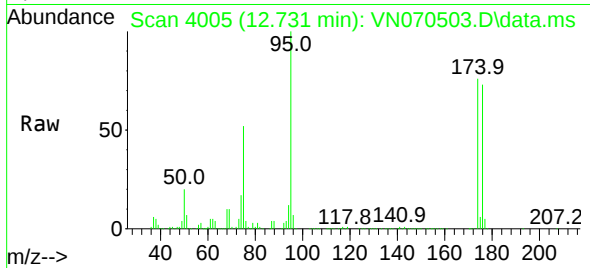




#76
1,2,3-Trichloropropane
Concen: 29.301 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

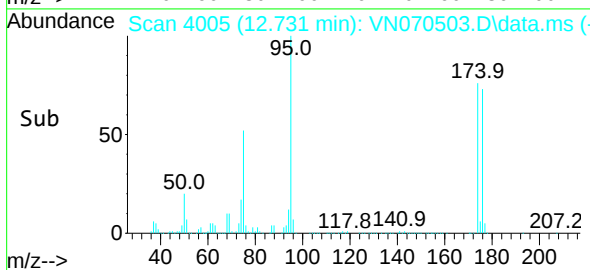
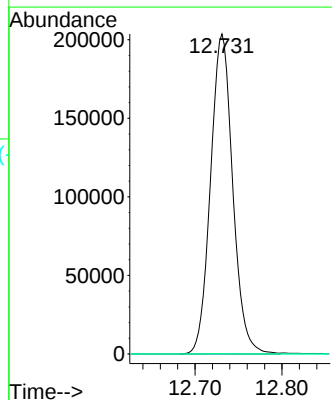
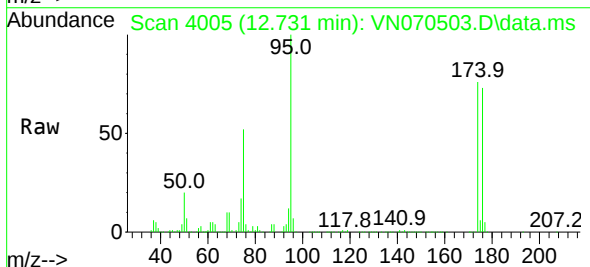
Instrument :
MSVOA_N
ClientSampleId :

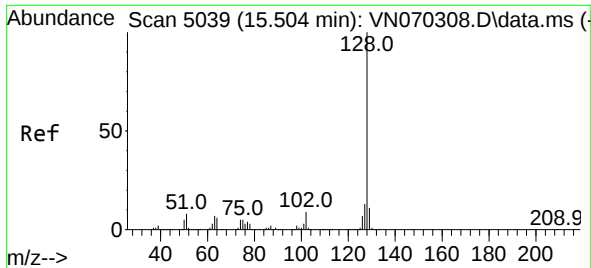
Tgt Ion: 75 Resp: 360942
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.651 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

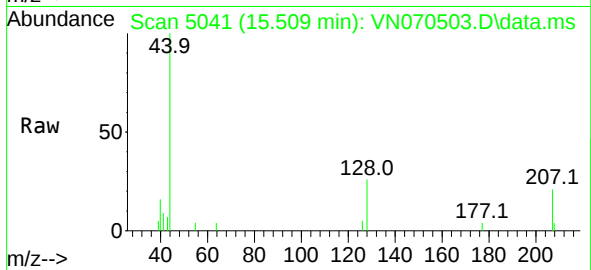
Tgt Ion: 75 Resp: 360942
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95
Naphthalene
Concen: 1.892 ug/l
RT: 15.509 min Scan# 5039
Delta R.T. 0.005 min
Lab File: VN070503.D
Acq: 5 Jan 2022 21:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1956
Ion Ratio Lower Upper
128 100
127 2.6 10.5 15.7#
129 0.0 8.7 13.1#

