

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070742.D
 Acq On : 21 Jan 2022 19:48
 Operator : JC/MD
 Sample : N1217-08
 Misc : 1.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:31:03 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)

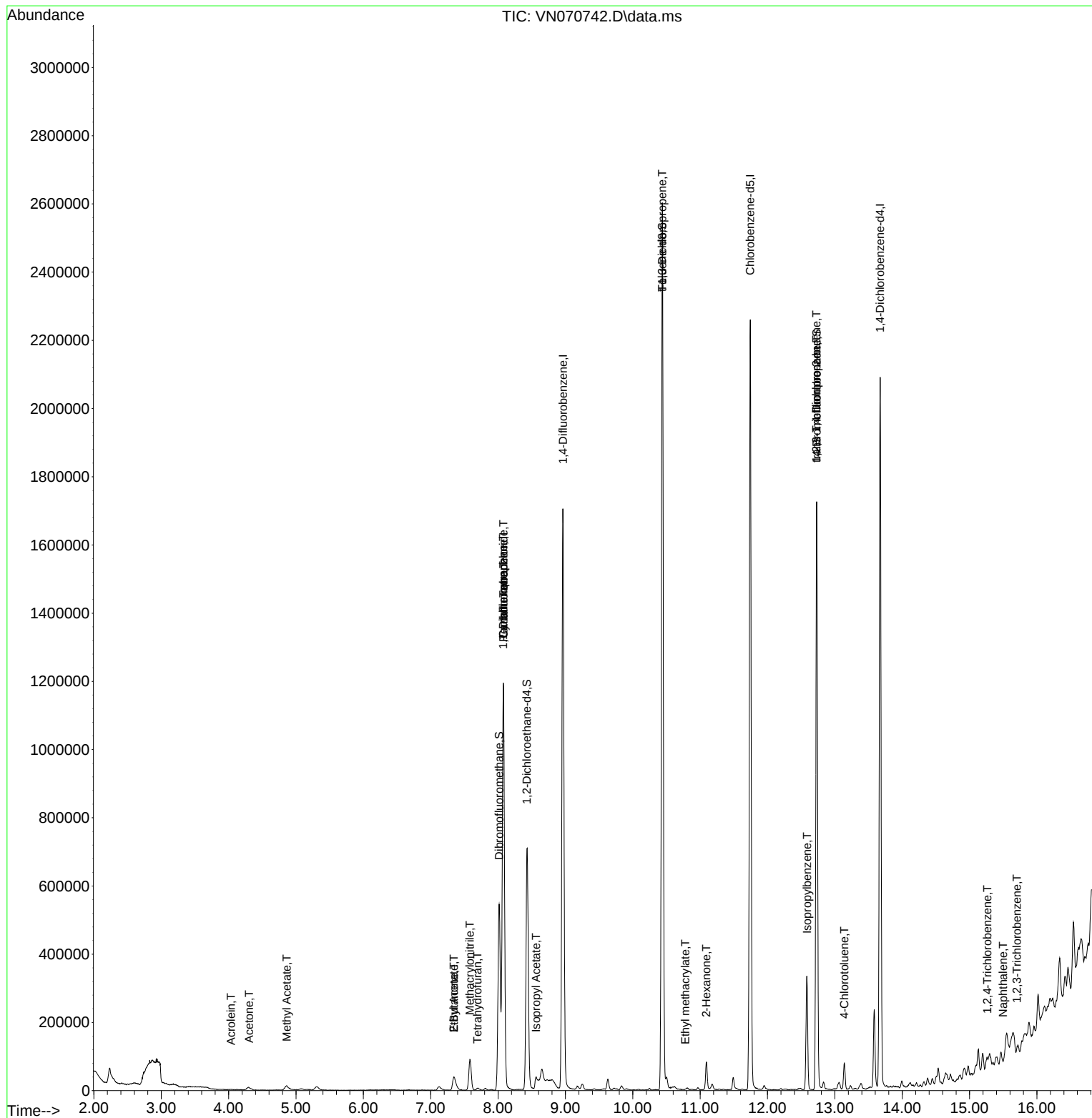
Internal Standards						
1) Pentafluorobenzene	8.080	168	909648	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	1480738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1290930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	559088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.429	65	621291	47.657	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.320%
35) Dibromofluoromethane	8.016	113	423109	46.065	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.140%
50) Toluene-d8	10.438	98	1836906	47.472	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.940%
62) 4-Bromofluorobenzene	12.731	95	627729	45.526	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.060%
Target Compounds						
					Qvalue	
13) Acrolein	4.036	56	968	0.287	ug/l	# 19
16) Acetone	4.301	43	8218	0.908	ug/l	91
18) Methyl Acetate	4.862	43	29334	1.648	ug/l	# 72
25) 2-Butanone	7.343	43	88685	7.789	ug/l	90
29) Tetrahydrofuran	7.694	42	5726	0.821	ug/l	# 62
30) Chloroform	7.809	83	5786	Below Cal		96
31) Cyclohexane	8.077	56	21040	0.917	ug/l	# 8
36) 1,1-Dichloropropene	8.075	75	76532	4.949	ug/l	# 48
37) Ethyl Acetate	7.343	43	88685	4.320	ug/l	# 68
38) Carbon Tetrachloride	8.077	117	94311	6.856	ug/l	# 17
41) Methacrylonitrile	7.581	41	50288	4.815	ug/l	# 35
43) Isopropyl Acetate	8.566	43	31923	1.018	ug/l	# 55
53) t-1,3-Dichloropropene	10.438	75	293	2.419	ug/l	# 1
56) Ethyl methacrylate	10.778	69	304	2.315	ug/l	# 46
59) 2-Hexanone	11.092	43	15090	1.038	ug/l	# 57
73) Isopropylbenzene	12.586	105	16394	0.310	ug/l	# 67
76) 1,2,3-Trichloropropane	12.728	75	334766	22.576	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.728	75	334766	67.257	ug/l	# 5
82) 4-Chlorotoluene	13.138	91	9951	0.285	ug/l	# 38
93) 1,2,4-Trichlorobenzene	15.265	180	1659	3.575	ug/l	# 1
95) Naphthalene	15.498	128	4429	5.086	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.702	180	772	3.289	ug/l	# 43

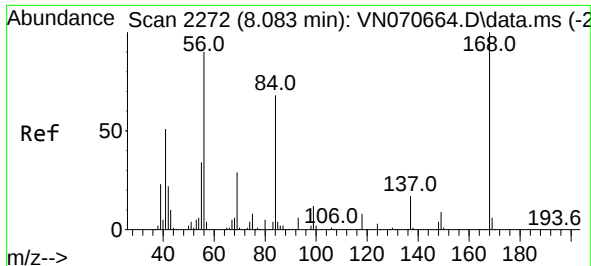
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration

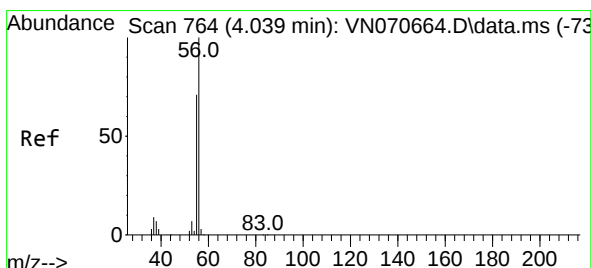
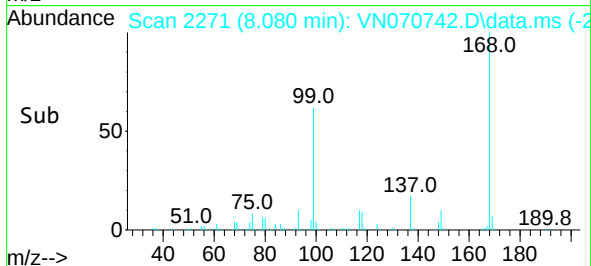
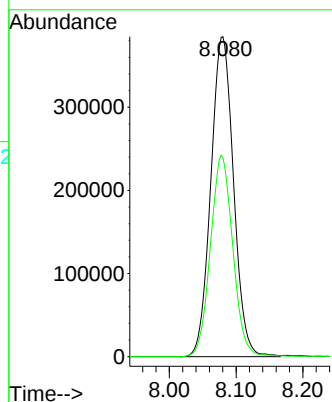
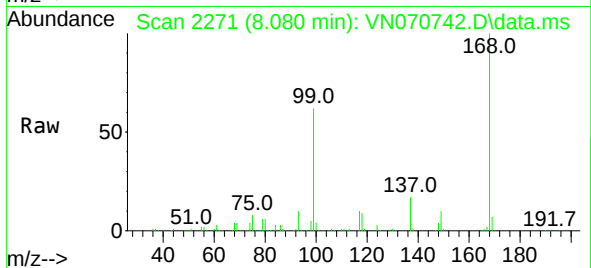




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

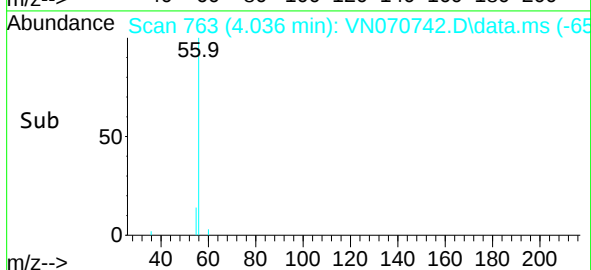
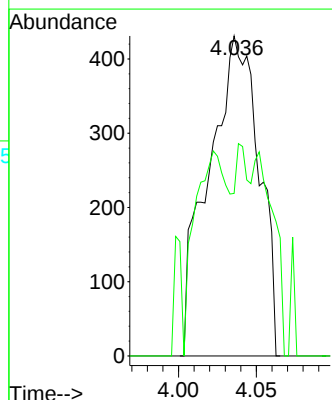
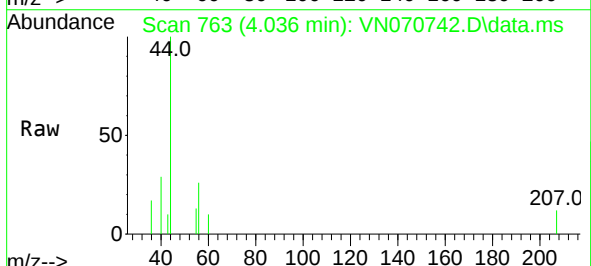
Instrument :
MSVOA_N
ClientSampleId :

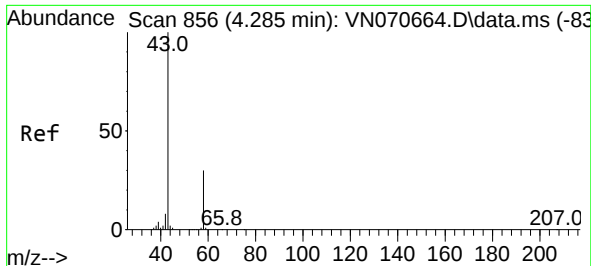
Tgt Ion:168 Resp: 909648
Ion Ratio Lower Upper
168 100
99 62.1 41.3 61.9#



#13
Acrolein
Concen: 0.287 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 56 Resp: 968
Ion Ratio Lower Upper
56 100
55 3.8 56.6 85.0#

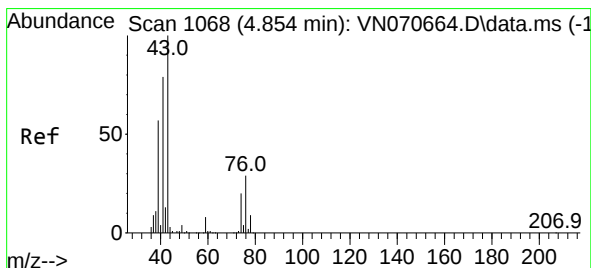
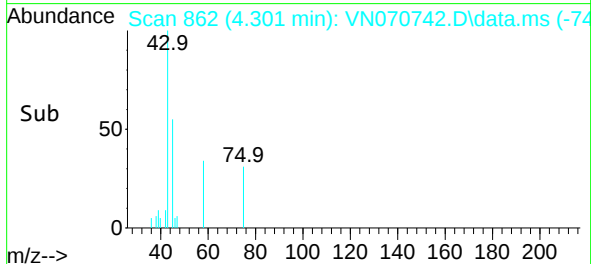
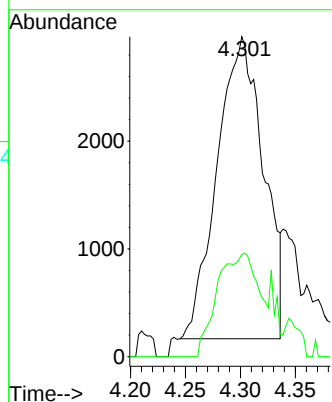
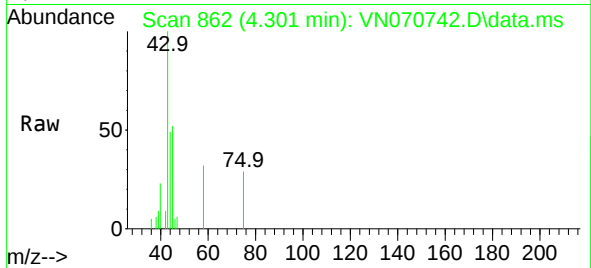




#16
Acetone
Concen: 0.908 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.016 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

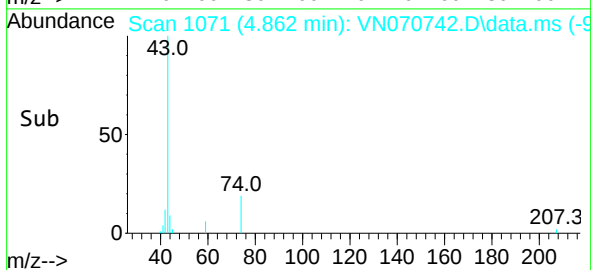
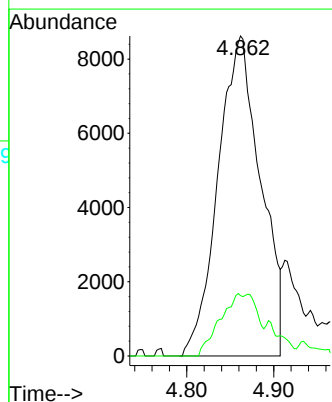
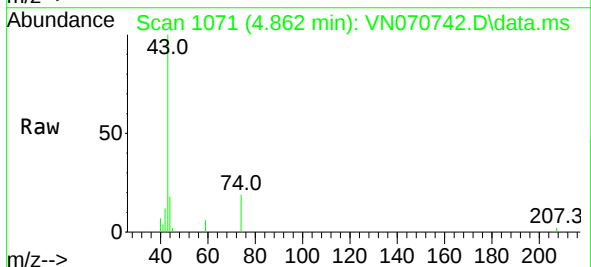
Instrument :
MSVOA_N
ClientSampleId :

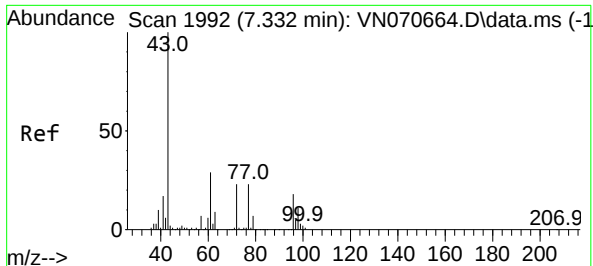
Tgt Ion: 43 Resp: 8218
Ion Ratio Lower Upper
43 100
58 33.8 23.1 34.7



#18
Methyl Acetate
Concen: 1.648 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 43 Resp: 29334
Ion Ratio Lower Upper
43 100
74 10.5 19.4 29.2#





#25

2-Butanone

Concen: 7.789 ug/l

RT: 7.343 min Scan# 1992

Delta R.T. 0.011 min

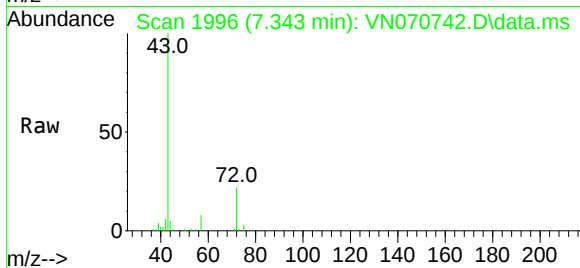
Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :

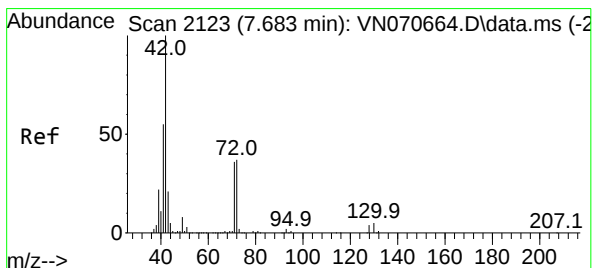
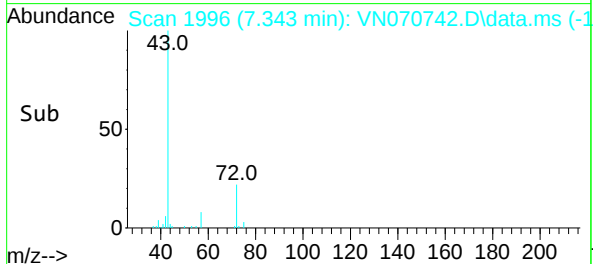
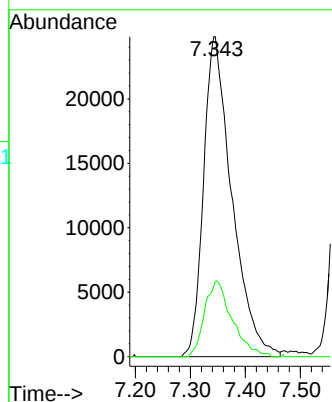


Tgt Ion: 43 Resp: 88685

Ion Ratio Lower Upper

43 100

72 22.2 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.821 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.011 min

Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

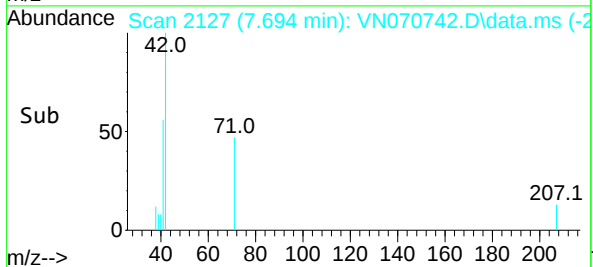
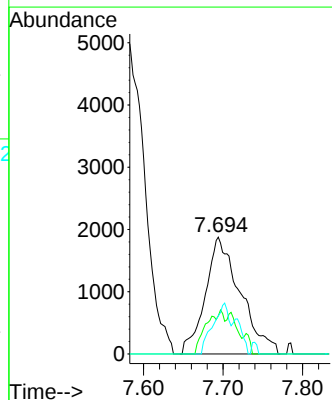
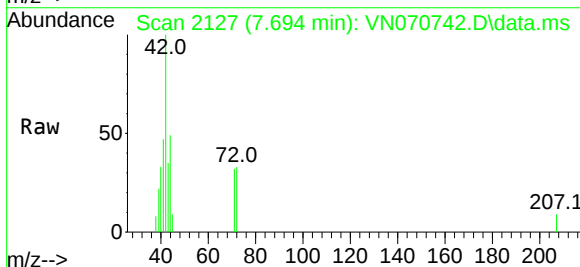
Tgt Ion: 42 Resp: 5726

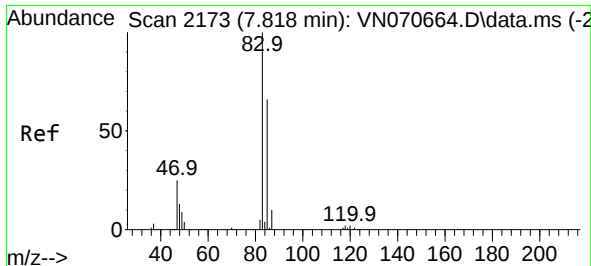
Ion Ratio Lower Upper

42 100

72 19.4 36.3 54.5#

71 20.3 34.7 52.1#





#30

Chloroform

Concen: Below Cal

RT: 7.809 min Scan# 21

Delta R.T. -0.009 min

Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

Instrument :

MSVOA_N

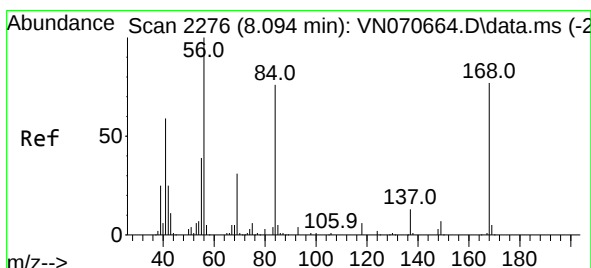
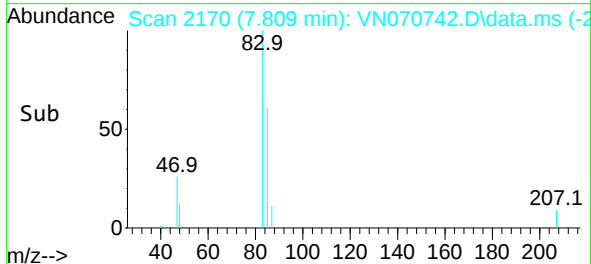
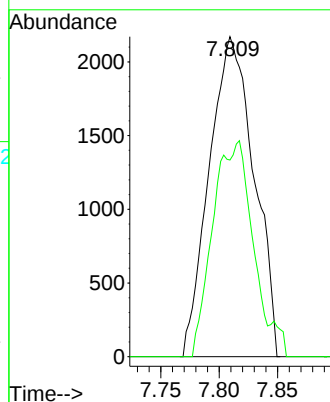
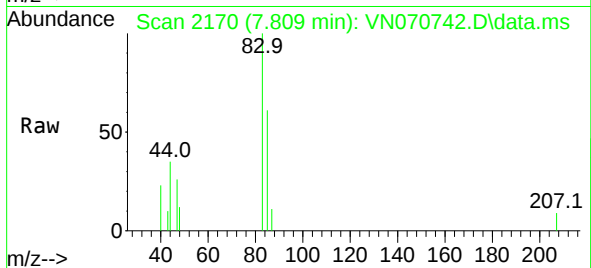
ClientSampleId :

Tgt Ion: 83 Resp: 5786

Ion Ratio Lower Upper

83 100

85 61.4 51.9 77.9



#31

Cyclohexane

Concen: 0.917 ug/l

RT: 8.077 min Scan# 2270

Delta R.T. -0.017 min

Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

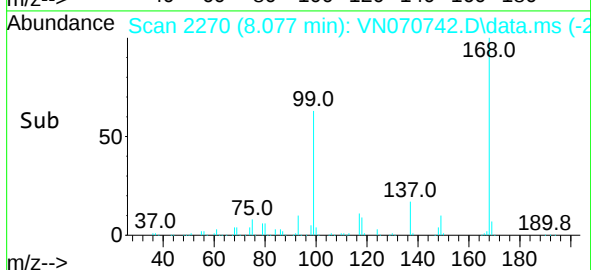
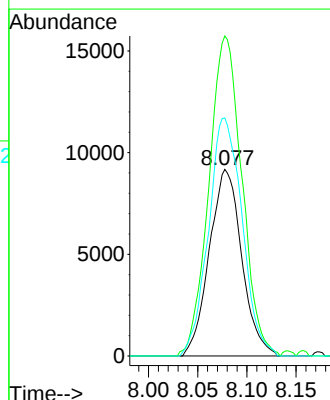
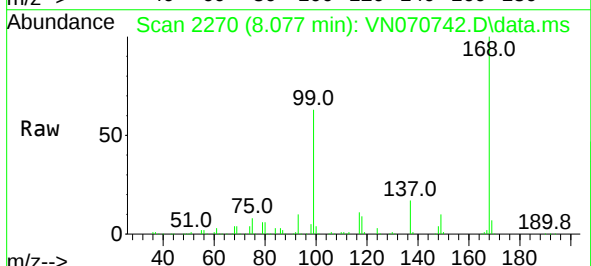
Tgt Ion: 56 Resp: 21040

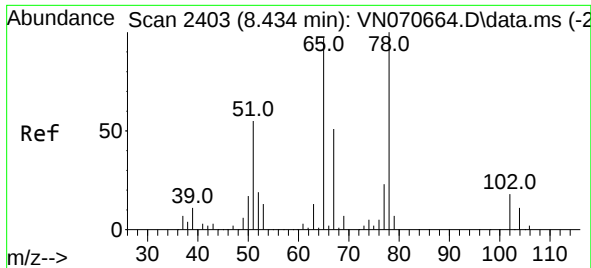
Ion Ratio Lower Upper

56 100

69 171.6 27.1 40.7#

84 127.6 73.4 110.0#

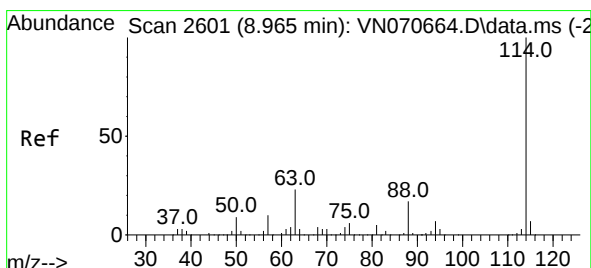
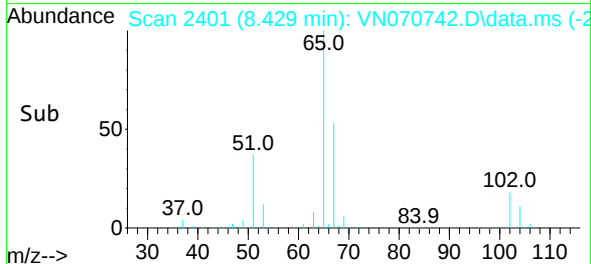
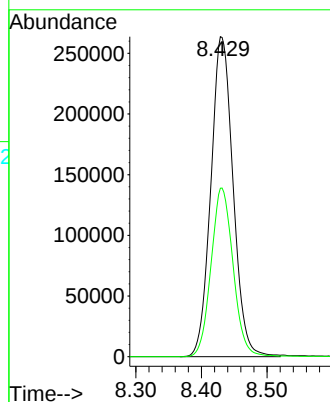
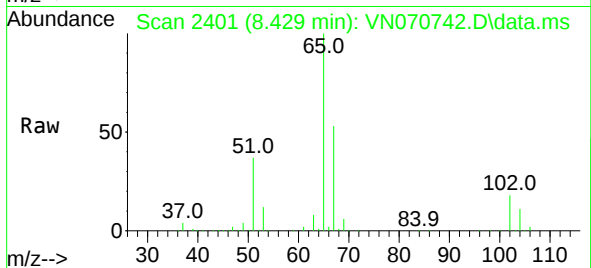




#33
 1,2-Dichloroethane-d4
 Concen: 47.657 ug/l
 RT: 8.429 min Scan# 24
 Delta R.T. -0.005 min
 Lab File: VN070742.D
 Acq: 21 Jan 2022 19:48

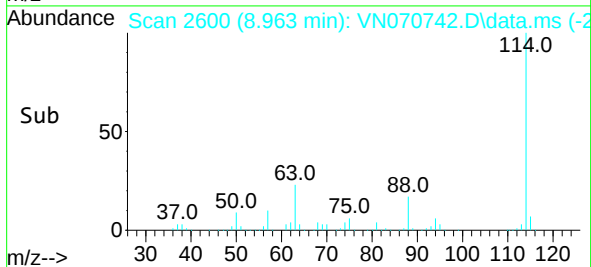
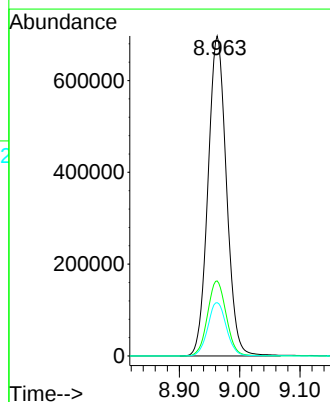
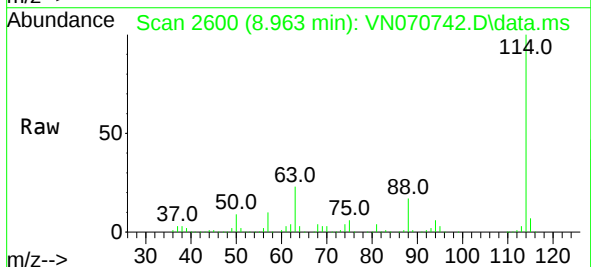
Instrument :
 MSVOA_N
 ClientSampleId :

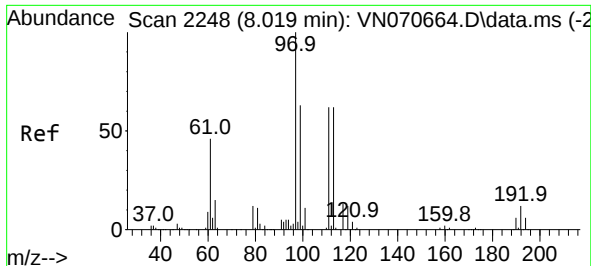
Tgt Ion: 65 Resp: 621291
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 2600
 Delta R.T. -0.002 min
 Lab File: VN070742.D
 Acq: 21 Jan 2022 19:48

Tgt Ion: 114 Resp: 1480738
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 37.8
 88 16.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 46.065 ug/l

RT: 8.016 min Scan# 21

Delta R.T. -0.003 min

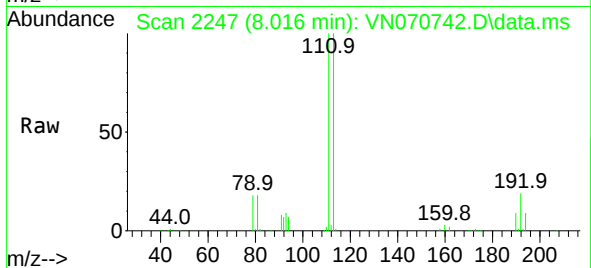
Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

Instrument :

MSVOA_N

ClientSampleId :



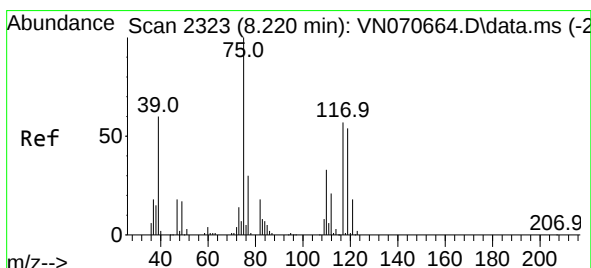
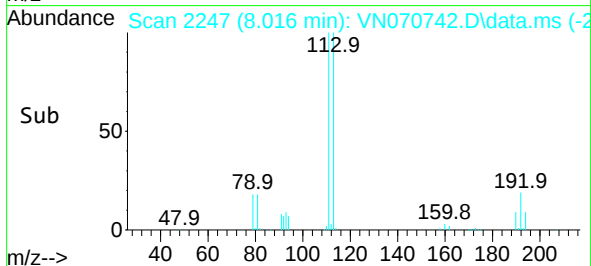
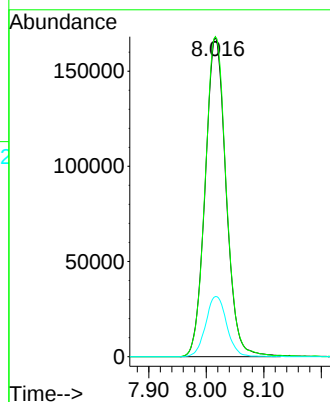
Tgt Ion:113 Resp: 423109

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

192 19.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.949 ug/l

RT: 8.075 min Scan# 2269

Delta R.T. -0.145 min

Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

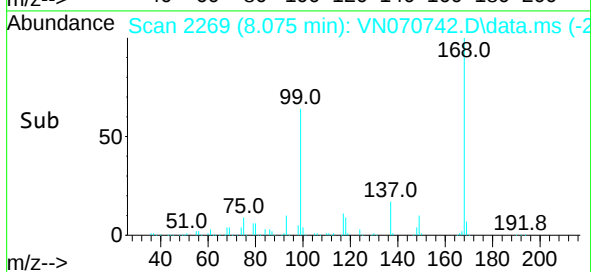
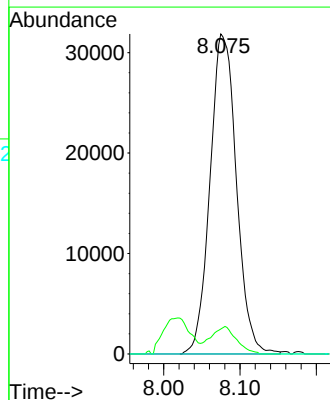
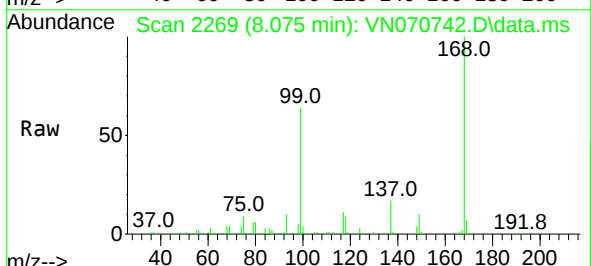
Tgt Ion: 75 Resp: 76532

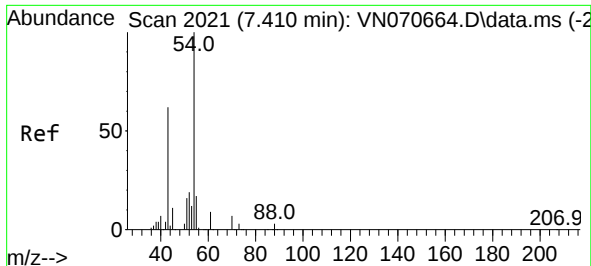
Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.320 ug/l

RT: 7.343 min Scan# 19

Delta R.T. -0.067 min

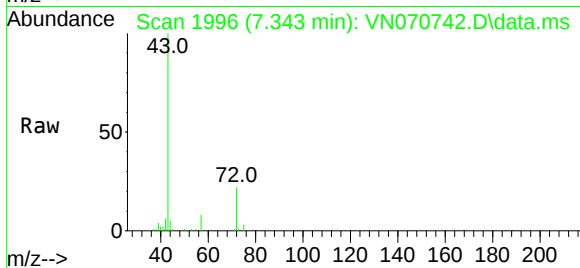
Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

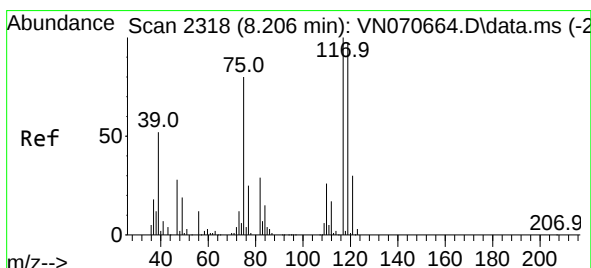
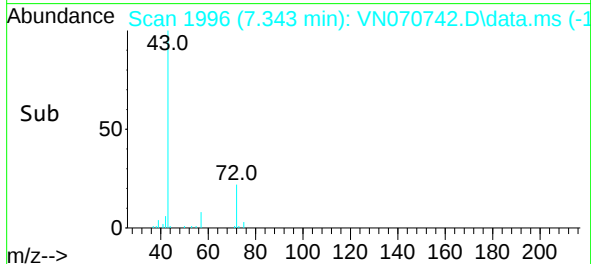
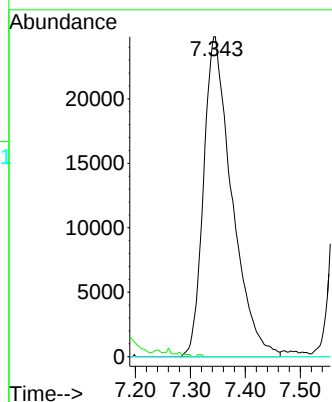
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	88685
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.856 ug/l

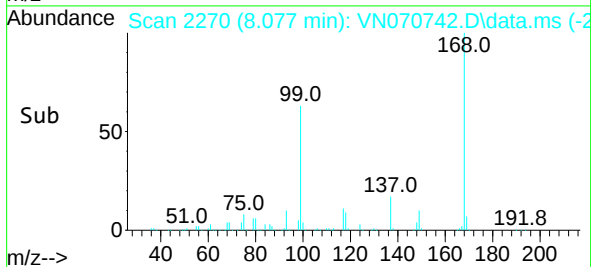
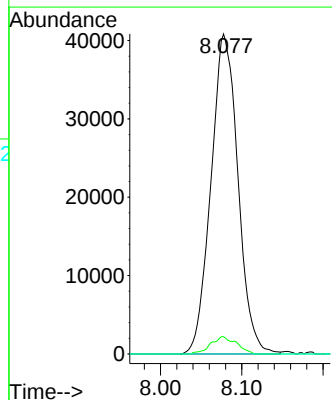
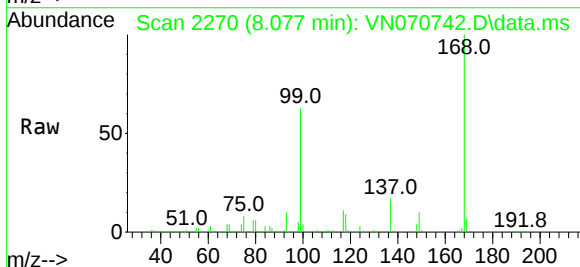
RT: 8.077 min Scan# 2270

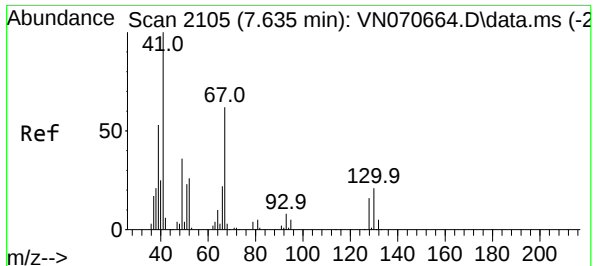
Delta R.T. -0.129 min

Lab File: VN070742.D

Acq: 21 Jan 2022 19:48

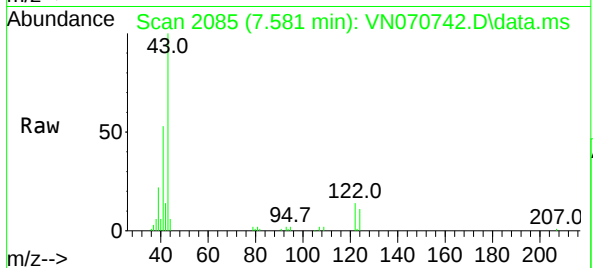
Tgt Ion:	117	Resp:	94311
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.1	114.1#
121	0.0	24.2	36.2#



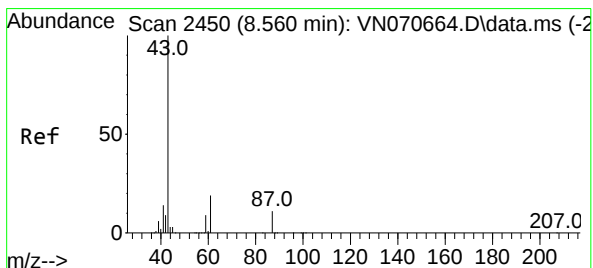
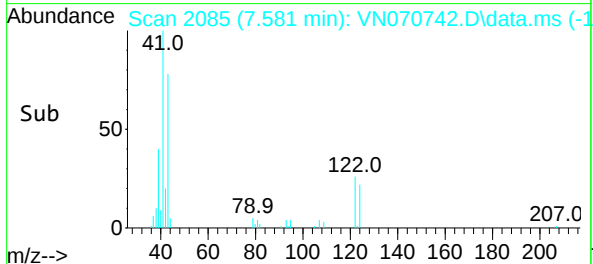
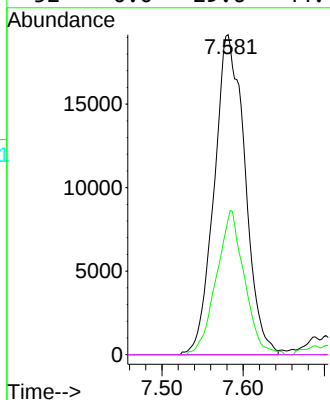


#41
Methacrylonitrile
Concen: 4.815 ug/l
RT: 7.581 min Scan# 2085
Delta R.T. -0.054 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Instrument :
MSVOA_N
ClientSampleId :

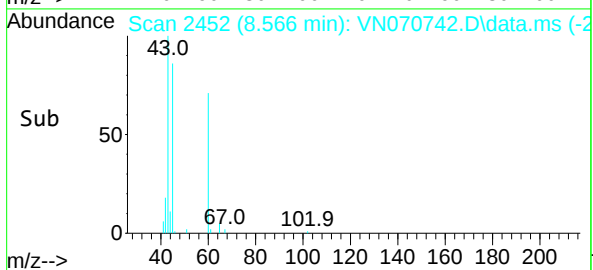
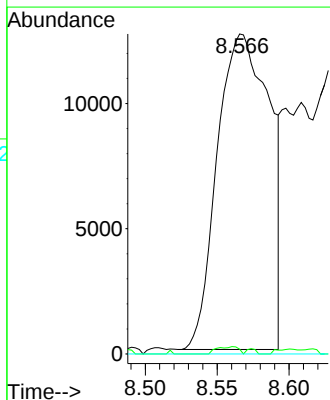
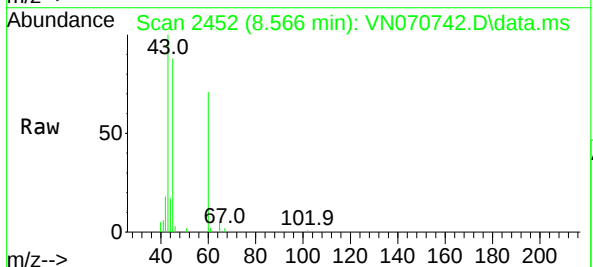


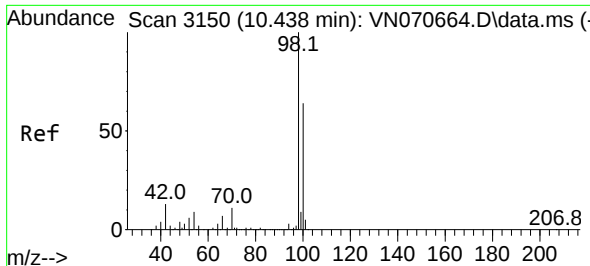
Tgt Ion:	41	Resp:	50288
Ion	Ratio	Lower	Upper
41	100		
39	41.1	48.1	72.1#
67	0.0	68.3	102.5#
52	0.0	29.6	44.4#



#43
Isopropyl Acetate
Concen: 1.018 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion:	43	Resp:	31923
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.4	30.6#
87	0.0	11.2	16.8#

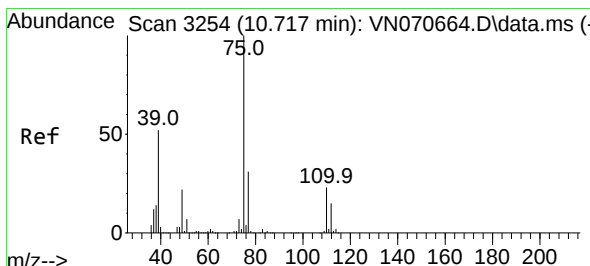
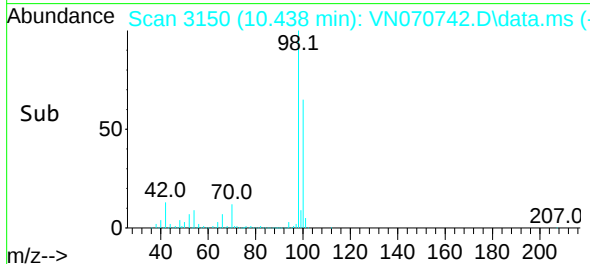
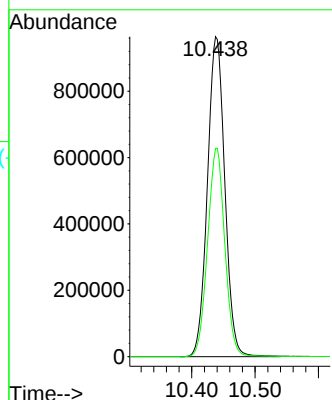
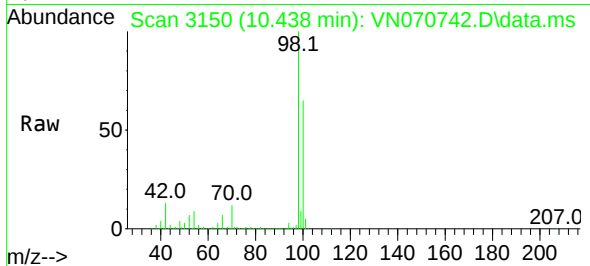




#50
Toluene-d8
Concen: 47.472 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

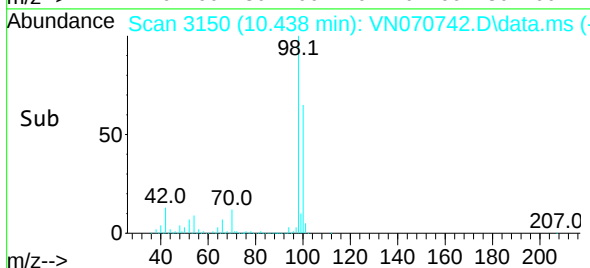
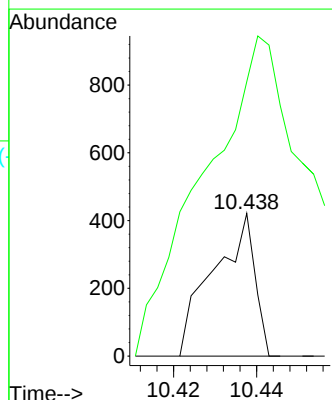
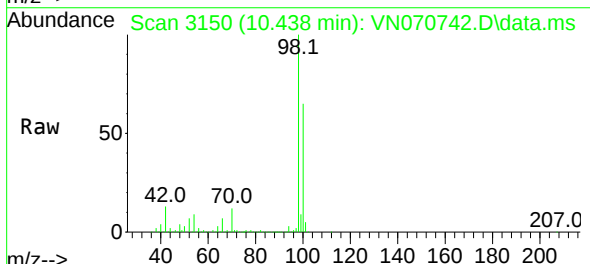
Instrument :
MSVOA_N
ClientSampleId :

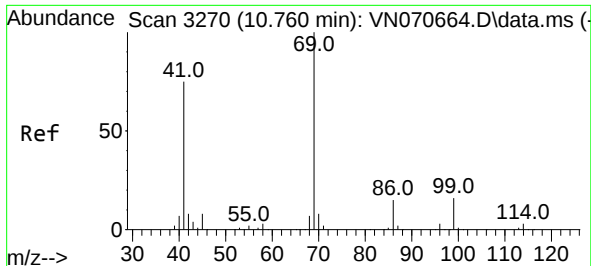
Tgt Ion: 98 Resp: 1836906
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.419 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.279 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
77 91.2 25.6 38.4#

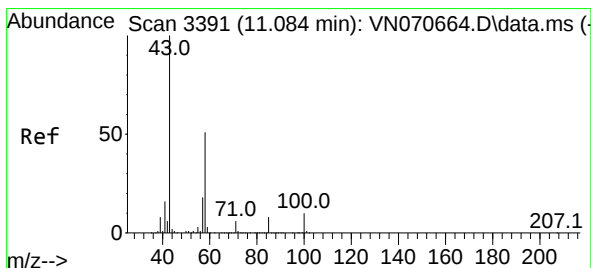
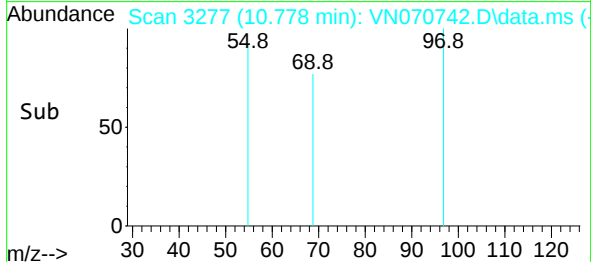
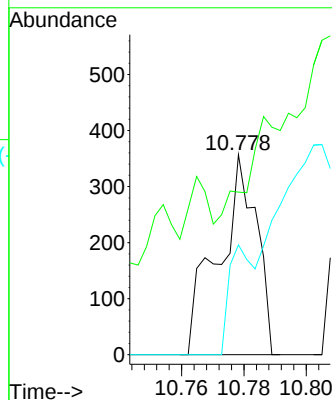
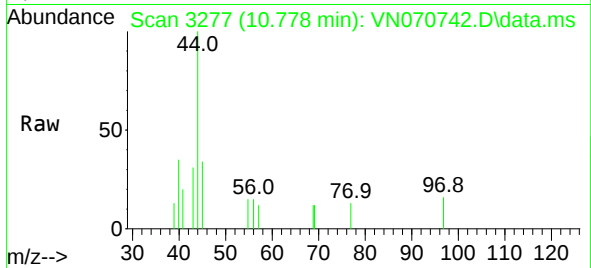




#56
Ethyl methacrylate
Concen: 2.315 ug/l
RT: 10.778 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

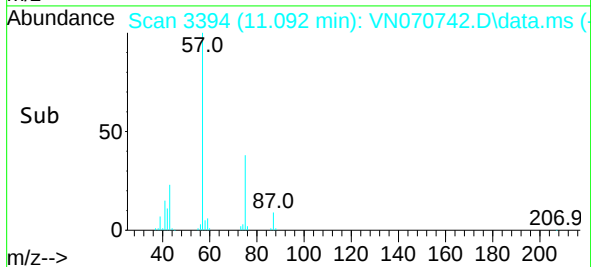
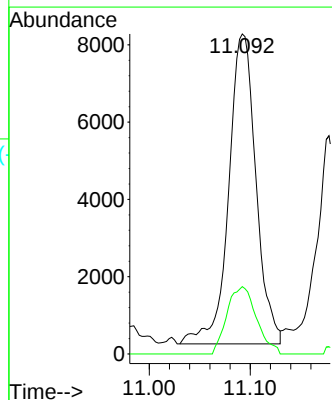
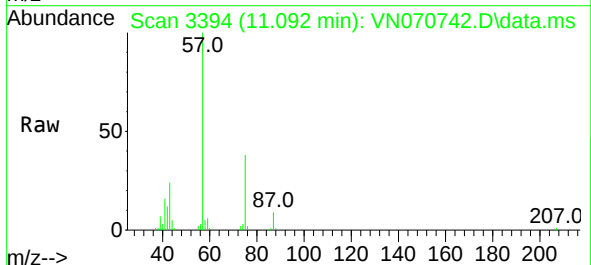
Instrument :
MSVOA_N
ClientSampleId :

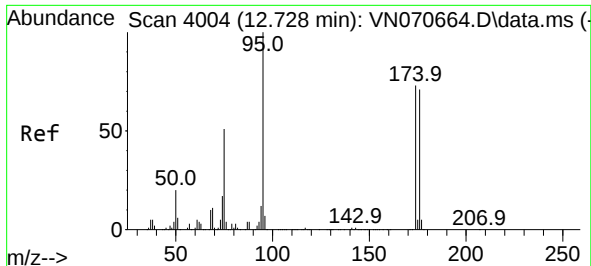
Tgt Ion: 69 Resp: 304
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 35.9 34.6 52.0



#59
2-Hexanone
Concen: 1.038 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.008 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 43 Resp: 15090
Ion Ratio Lower Upper
43 100
58 23.4 26.9 80.7#

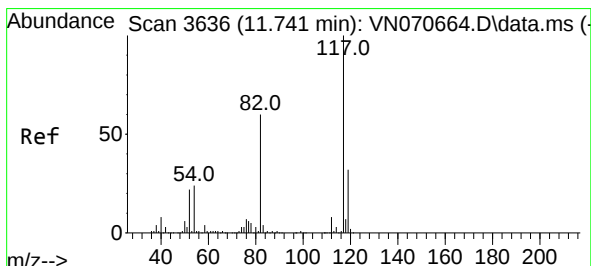
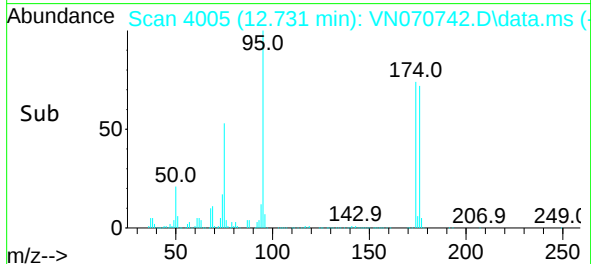
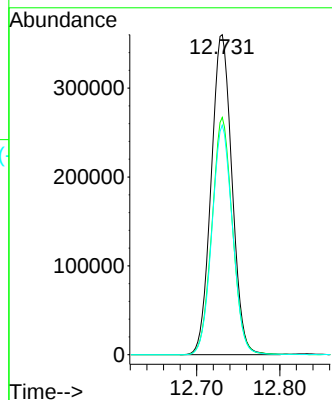
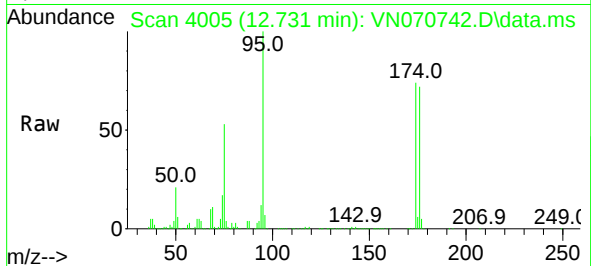




#62
4-Bromofluorobenzene
Concen: 45.526 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

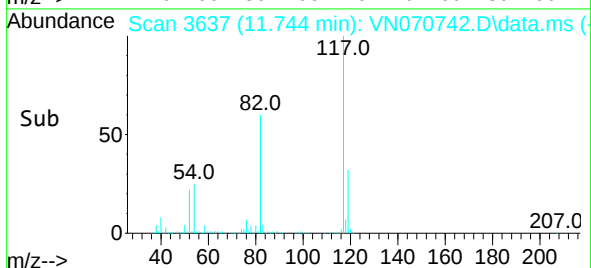
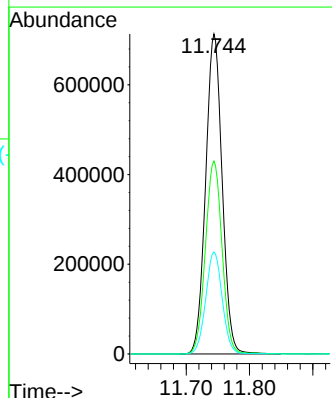
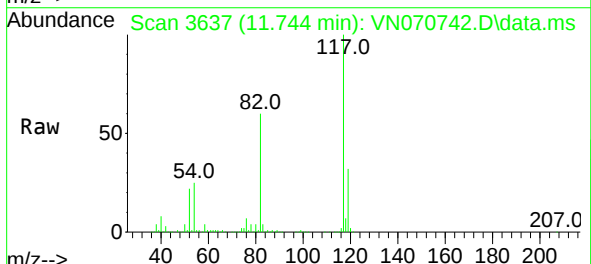
Instrument :
MSVOA_N
ClientSampleId :

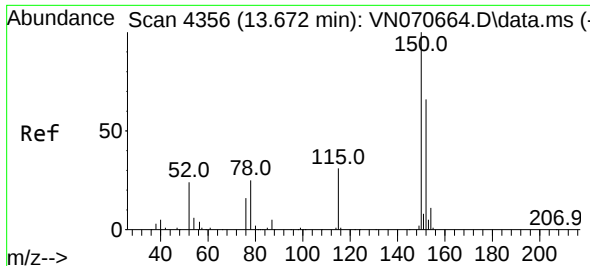
Tgt Ion: 95 Resp: 627729
Ion Ratio Lower Upper
95 100
174 73.1 0.0 187.2
176 70.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. 0.003 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 117 Resp: 1290930
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 31.9 25.4 38.2

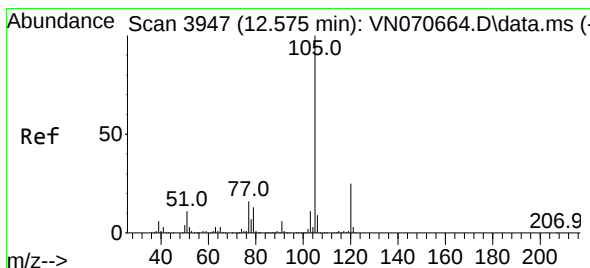
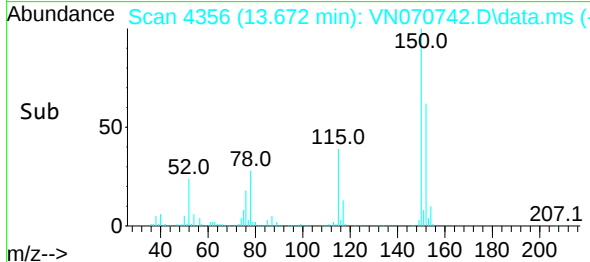
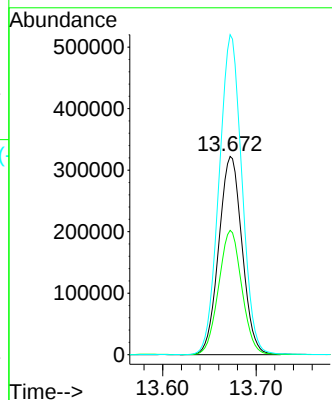
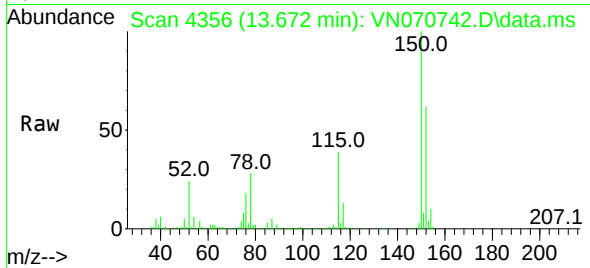




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

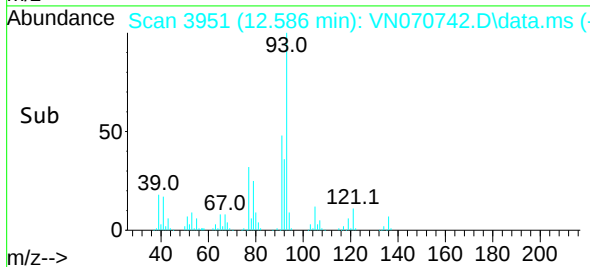
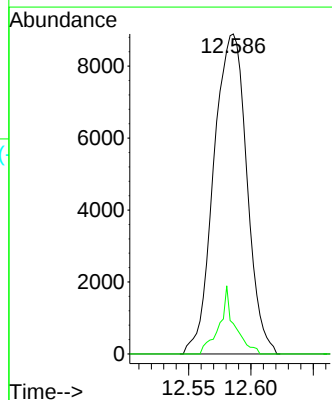
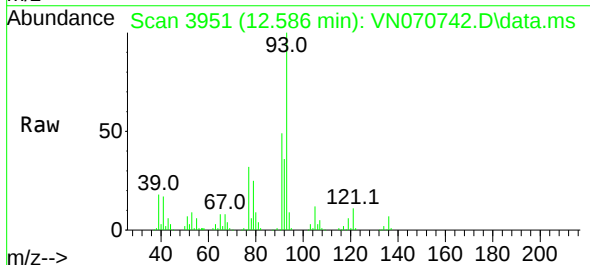
Instrument :
MSVOA_N
ClientSampleId :

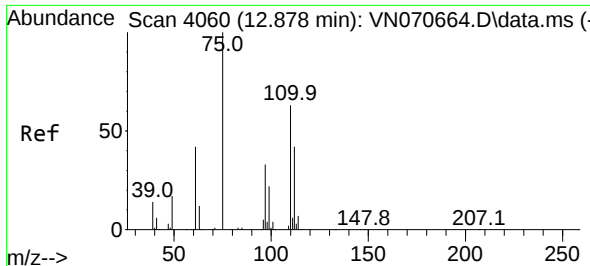
Tgt Ion:152 Resp: 559088
Ion Ratio Lower Upper
152 100
115 62.2 27.5 82.5
150 158.9 0.0 344.4



#73
Isopropylbenzene
Concen: 0.310 ug/l
RT: 12.586 min Scan# 3951
Delta R.T. 0.011 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion:105 Resp: 16394
Ion Ratio Lower Upper
105 100
120 9.7 13.4 40.1#

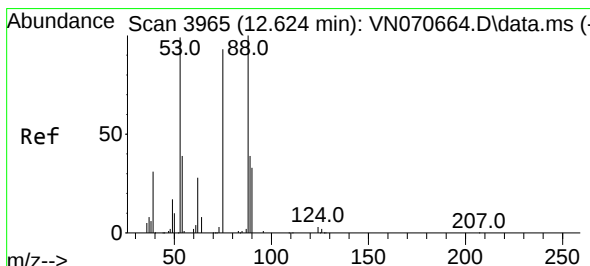
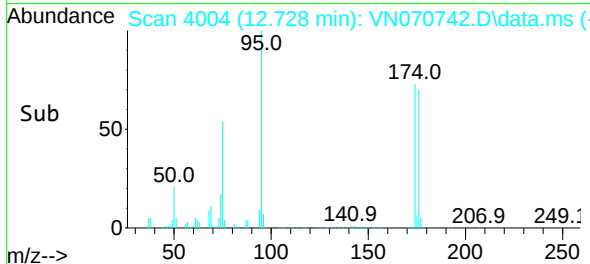
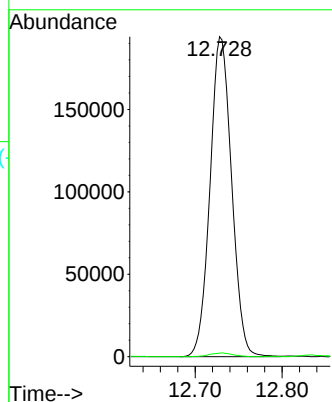
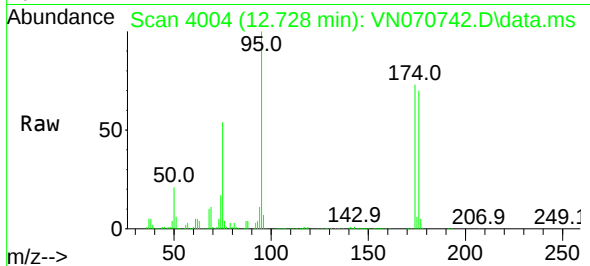




#76
1,2,3-Trichloropropane
Concen: 22.576 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

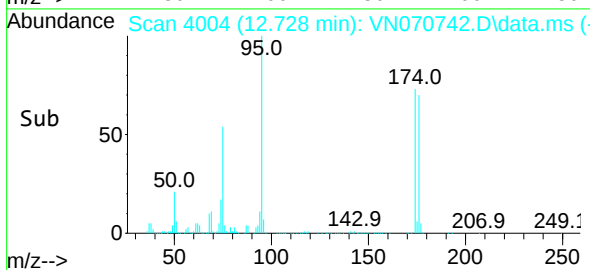
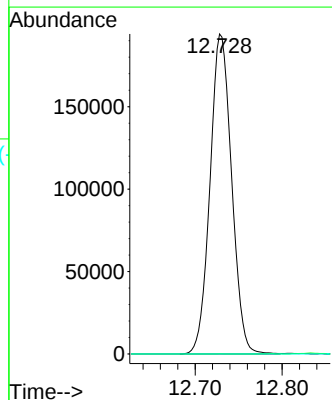
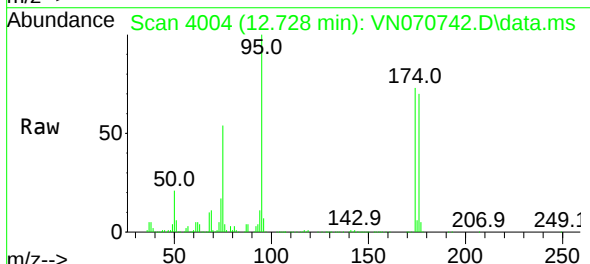
Instrument :
MSVOA_N
ClientSampleId :

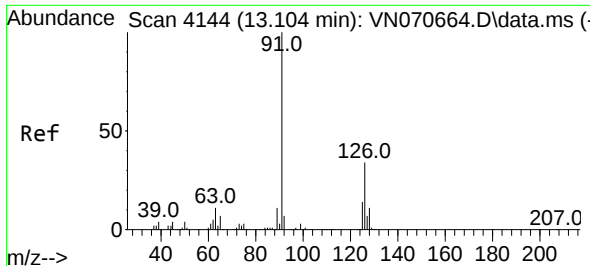
Tgt Ion: 75 Resp: 334766
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.257 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

Tgt Ion: 75 Resp: 334766
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

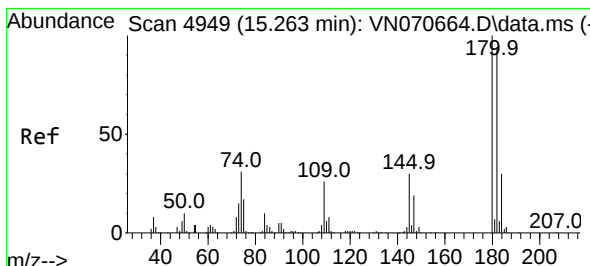
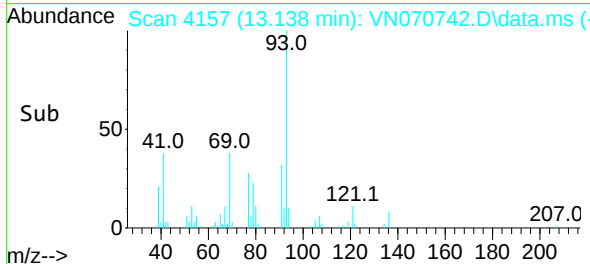
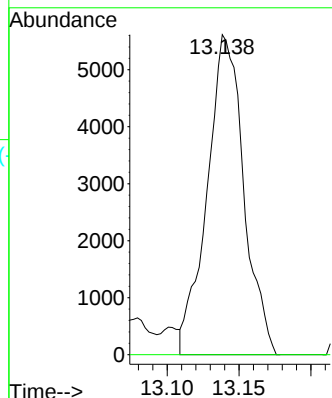
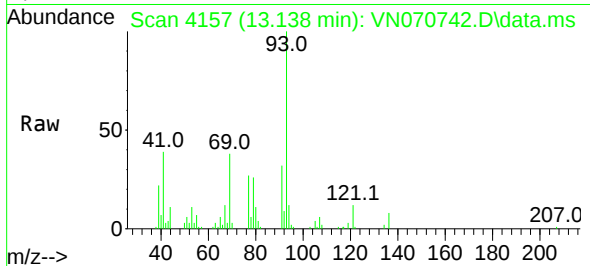




#82
4-Chlorotoluene
Concen: 0.285 ug/l
RT: 13.138 min Scan# 41
Delta R.T. 0.034 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

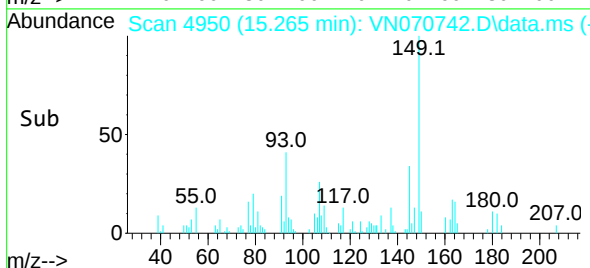
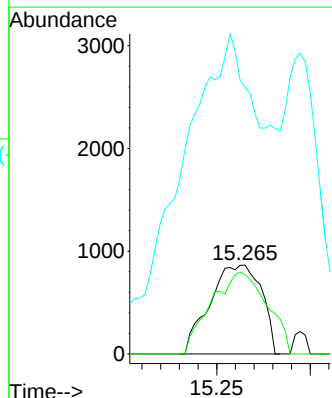
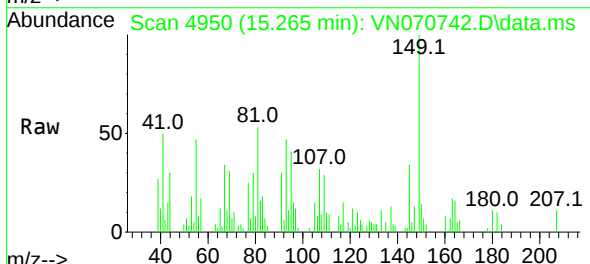
Instrument :
MSVOA_N
ClientSampleId :

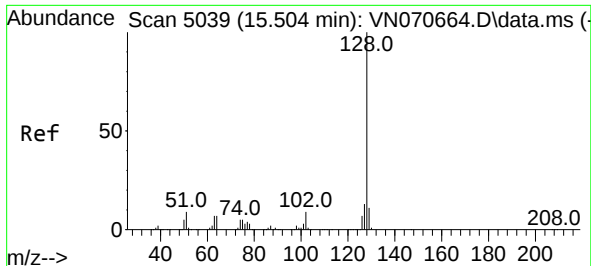
Tgt Ion: 91 Resp: 9951
Ion Ratio Lower Upper
91 100
126 0.0 18.2 54.6#



#93
1,2,4-Trichlorobenzene
Concen: 3.575 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.002 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

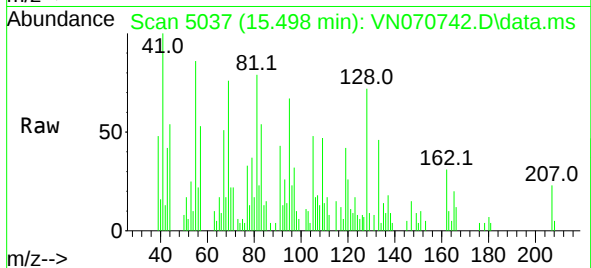
Tgt Ion: 180 Resp: 1659
Ion Ratio Lower Upper
180 100
182 100.1 48.3 144.9
145 471.2 14.5 43.5#



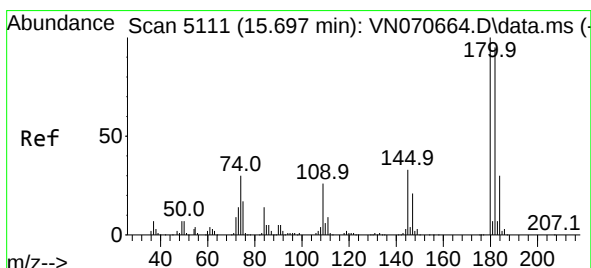
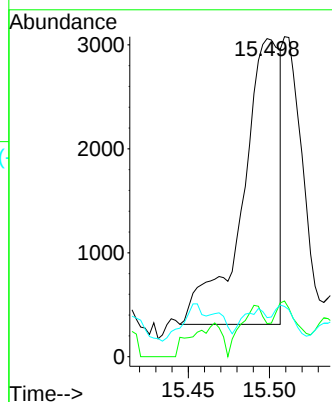
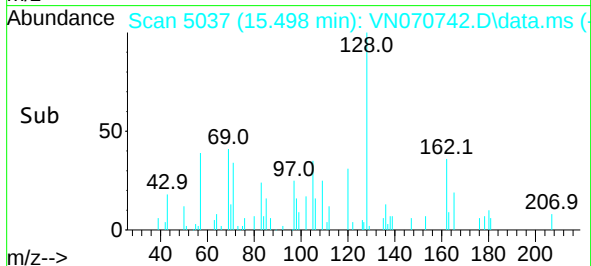


#95
Naphthalene
Concen: 5.086 ug/l
RT: 15.498 min Scan# 5037
Delta R.T. -0.006 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48

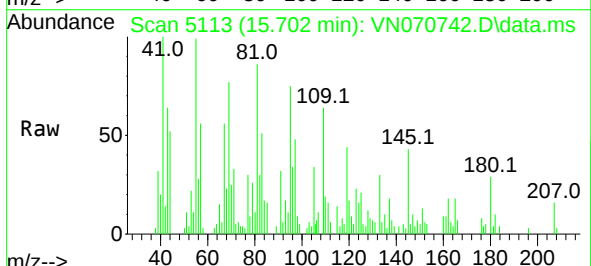
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4429
Ion Ratio Lower Upper
128 100
127 7.2 10.5 15.7#
129 5.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.289 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.005 min
Lab File: VN070742.D
Acq: 21 Jan 2022 19:48



Tgt Ion:180 Resp: 772
Ion Ratio Lower Upper
180 100
182 150.4 47.4 142.2#
145 0.0 15.0 45.1#

