

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011122\
 Data File : VN070569.D
 Acq On : 11 Jan 2022 15:01
 Operator : JC/MD
 Sample : N1050-01ME
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 06:01:02 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

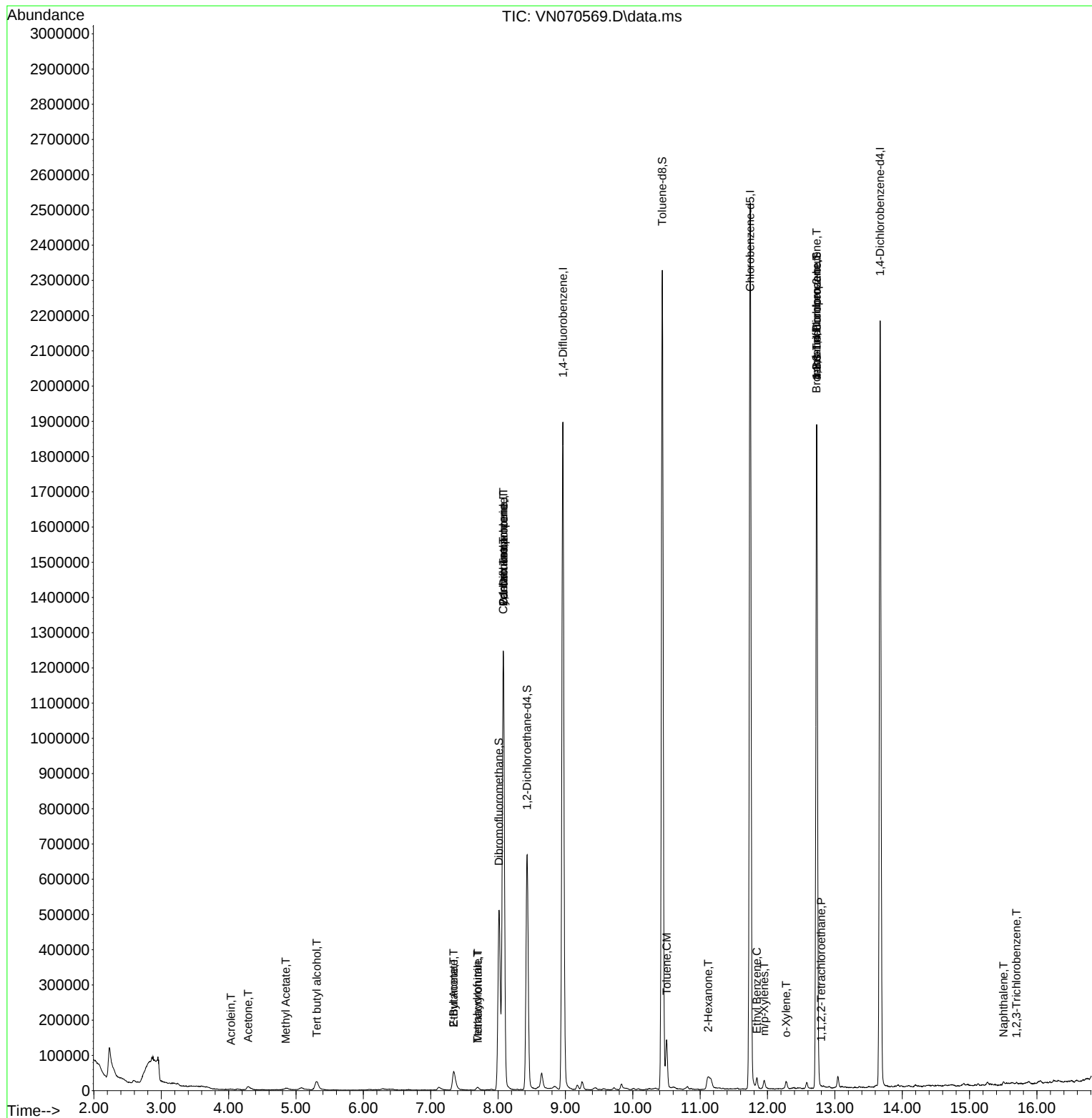
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.078	168	997200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1668213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1483183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	606423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	563030	39.269	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	78.540%
35) Dibromofluoromethane	8.013	113	390841	38.722	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	77.440%
50) Toluene-d8	10.438	98	1673741	40.592	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	81.180%
62) 4-Bromofluorobenzene	12.731	95	687520	46.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.307	59	26963	11.294	ug/l #	72
13) Acrolein	4.033	56	445	0.230	ug/l #	1
16) Acetone	4.288	43	4541	0.488	ug/l #	74
18) Methyl Acetate	4.849	43	5943	0.221	ug/l #	62
25) 2-Butanone	7.340	43	112790	9.624	ug/l	92
29) Tetrahydrofuran	7.691	42	3404	0.487	ug/l	90
31) Cyclohexane	8.075	56	22274	0.984	ug/l #	1
36) 1,1-Dichloropropene	8.078	75	79678	4.772	ug/l #	49
37) Ethyl Acetate	7.340	43	112790	5.211	ug/l #	68
38) Carbon Tetrachloride	8.078	117	95731	6.004	ug/l #	16
41) Methacrylonitrile	7.702	41	4193	0.387	ug/l #	32
52) Toluene	10.502	92	45073	1.455	ug/l	97
59) 2-Hexanone	11.119	43	15783	1.009	ug/l #	25
67) Ethyl Benzene	11.840	91	21619	0.375	ug/l	91
68) m/p-Xylenes	11.950	106	7959	0.379	ug/l	92
69) o-Xylene	12.275	106	5312	0.254	ug/l	85
71) Bromoform	12.728	173	3340	0.401	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.798	83	329	0.463	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	351788	21.257	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	351788	70.875	ug/l #	5
95) Naphthalene	15.504	128	8219	2.084	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.697	180	2226	1.055	ug/l	97

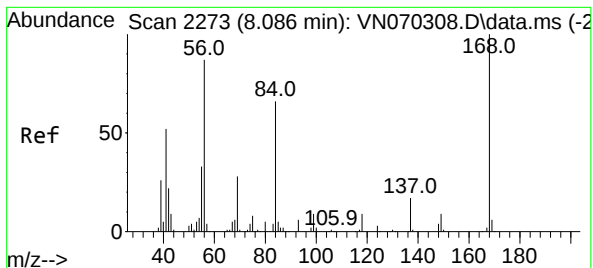
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.078 min Scan# 21

Delta R.T. -0.008 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Instrument :

MSVOA_N

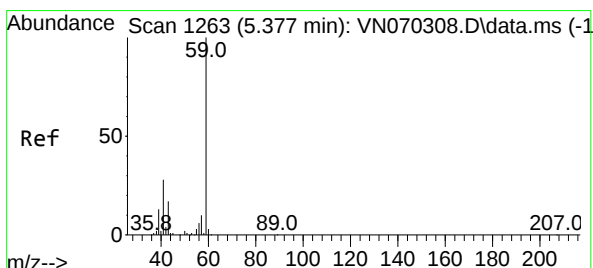
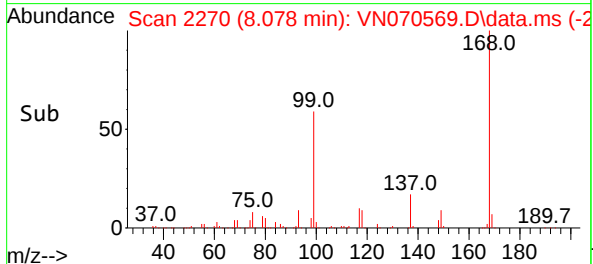
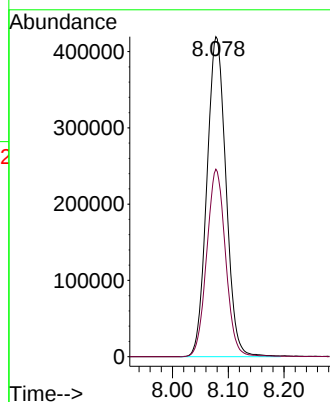
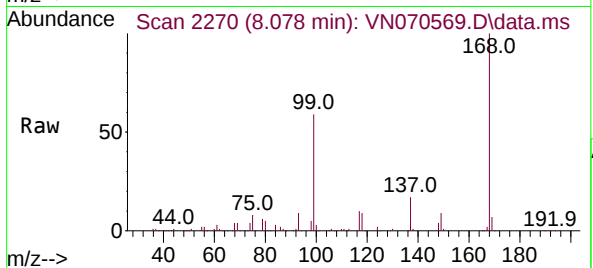
ClientSampleId :

Tgt Ion:168 Resp: 997200

Ion Ratio Lower Upper

168 100

99 58.6 41.3 61.9



#11

Tert butyl alcohol

Concen: 11.294 ug/l

RT: 5.307 min Scan# 1237

Delta R.T. -0.070 min

Lab File: VN070569.D

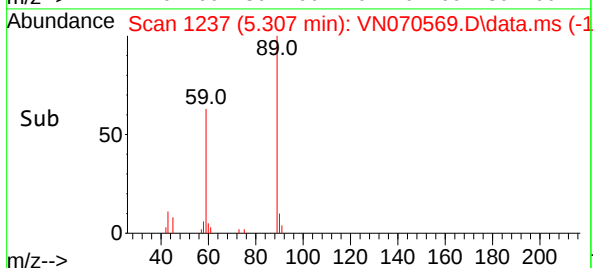
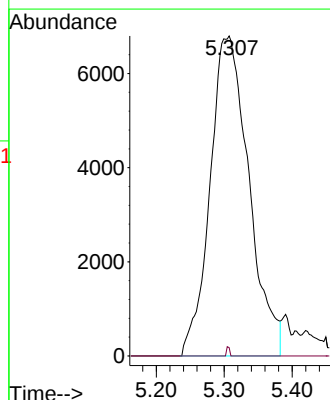
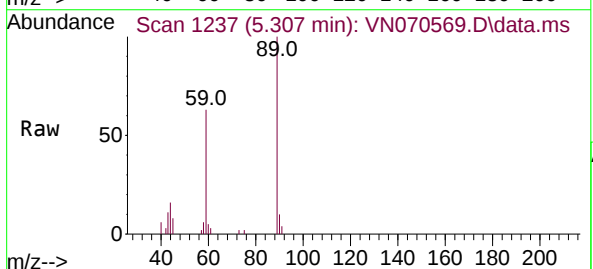
Acq: 11 Jan 2022 15:01

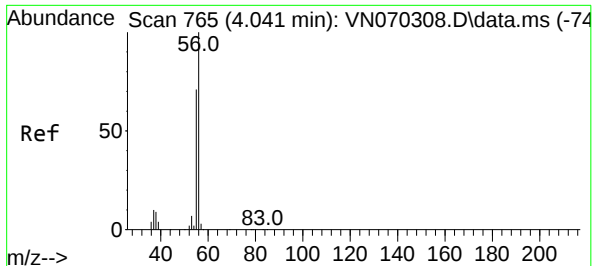
Tgt Ion: 59 Resp: 26963

Ion Ratio Lower Upper

59 100

57 0.2 8.7 13.1#

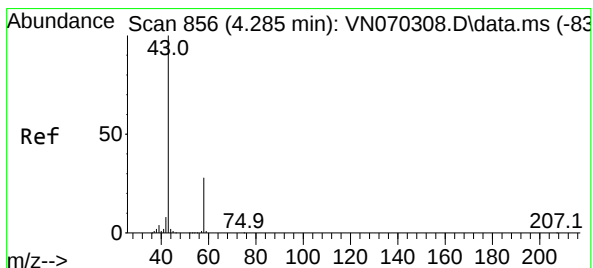
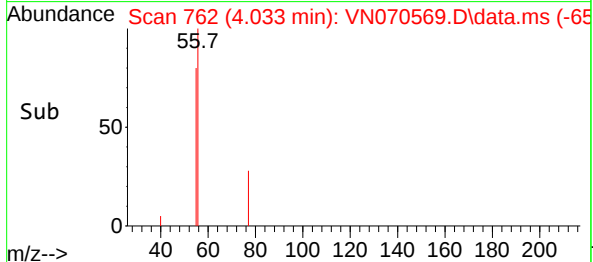
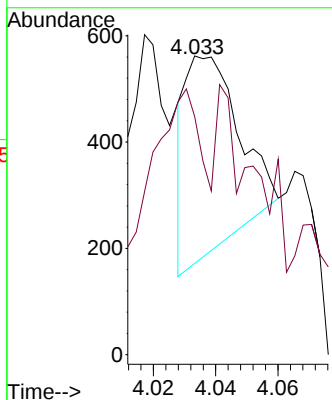
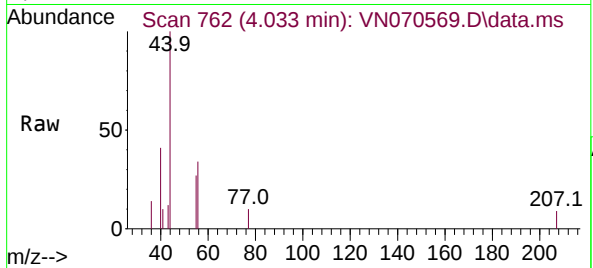




#13
Acrolein
Concen: 0.230 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

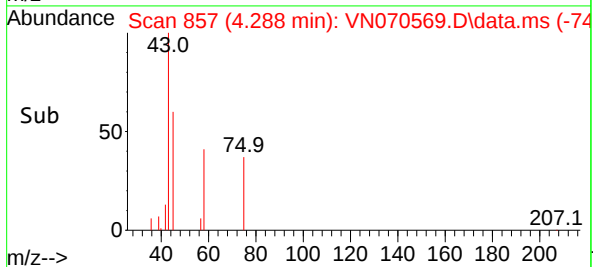
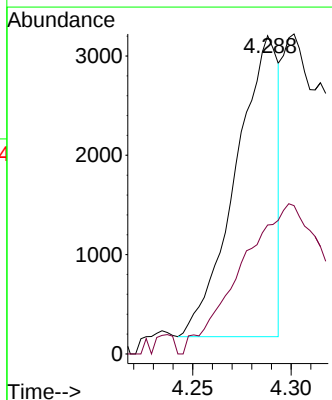
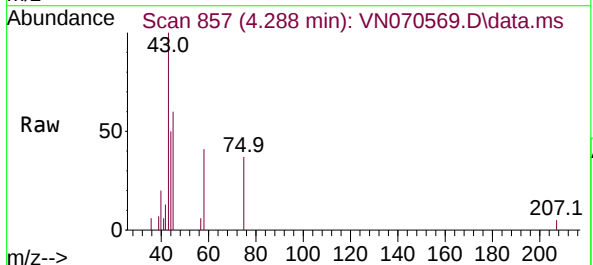
Instrument :
MSVOA_N
ClientSampleId :

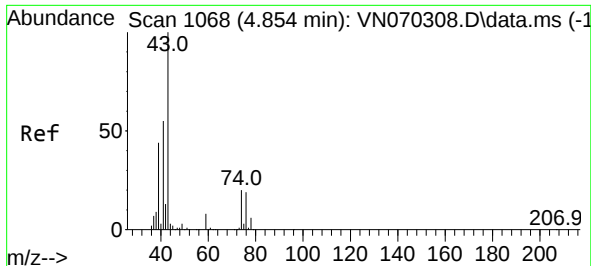
Tgt Ion: 56 Resp: 445
Ion Ratio Lower Upper
56 100
55 167.2 56.6 85.0#



#16
Acetone
Concen: 0.488 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.003 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 43 Resp: 4541
Ion Ratio Lower Upper
43 100
58 42.9 23.1 34.7#

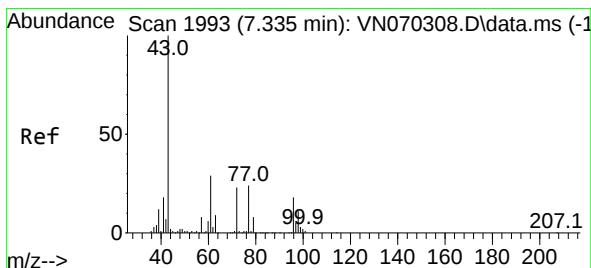
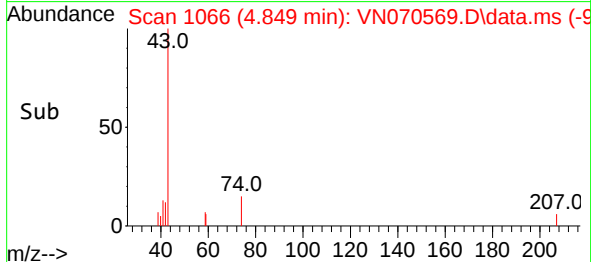
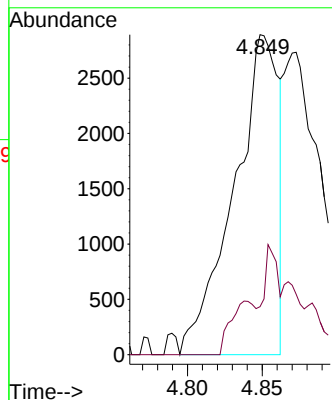
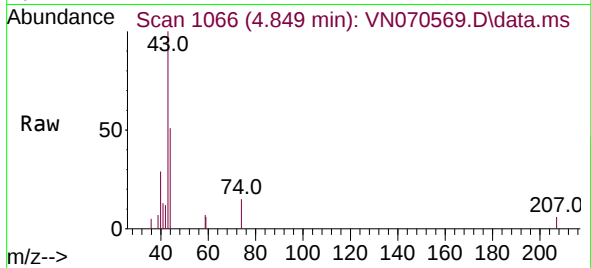




#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 4.849 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

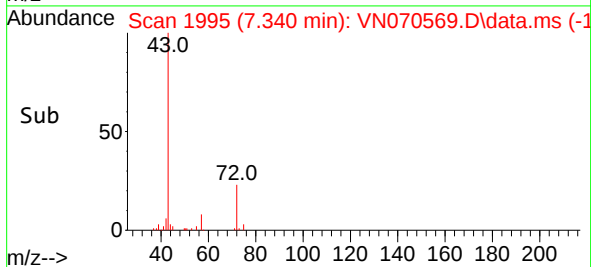
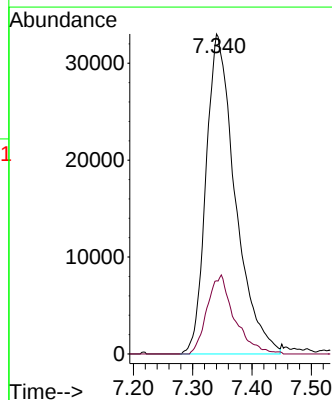
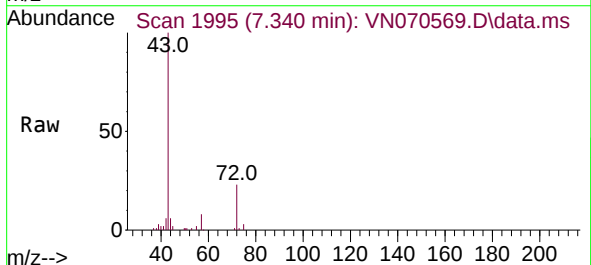
Instrument :
MSVOA_N
ClientSampleId :

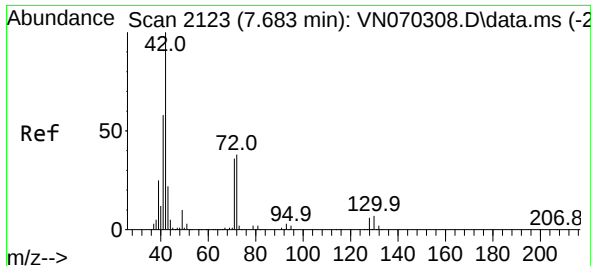
Tgt Ion: 43 Resp: 5943
Ion Ratio Lower Upper
43 100
74 5.6 19.4 29.2#



#25
2-Butanone
Concen: 9.624 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 43 Resp: 112790
Ion Ratio Lower Upper
43 100
72 22.8 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.487 ug/l

RT: 7.691 min Scan# 2126

Delta R.T. 0.008 min

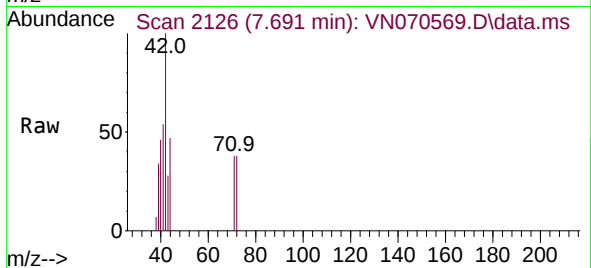
Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

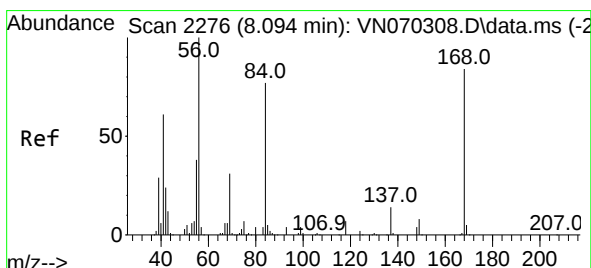
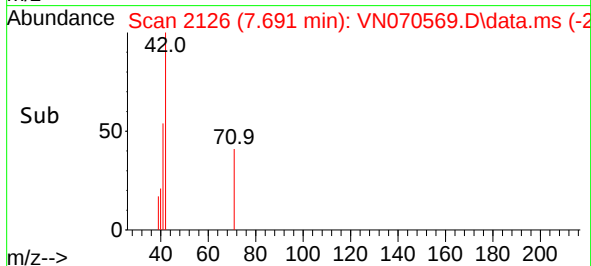
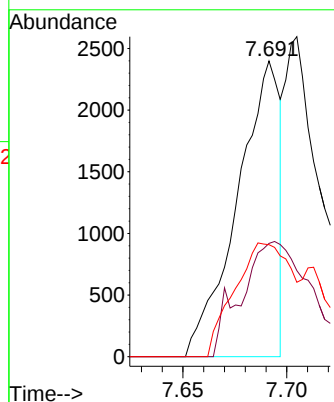
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3404
Ion	Ratio	Lower	Upper
42	100		
72	40.1	36.3	54.5
71	50.6	34.7	52.1



#31

Cyclohexane

Concen: 0.984 ug/l

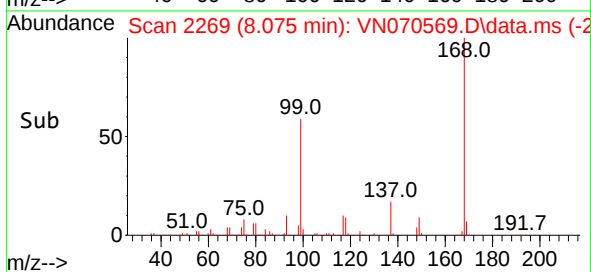
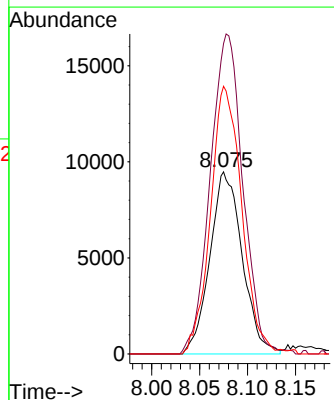
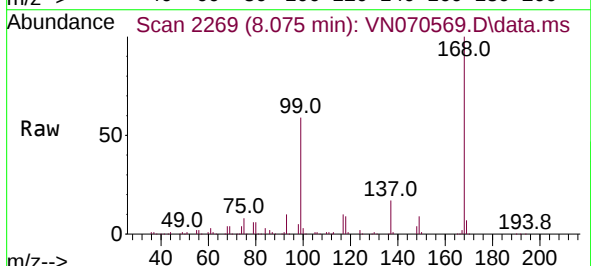
RT: 8.075 min Scan# 2269

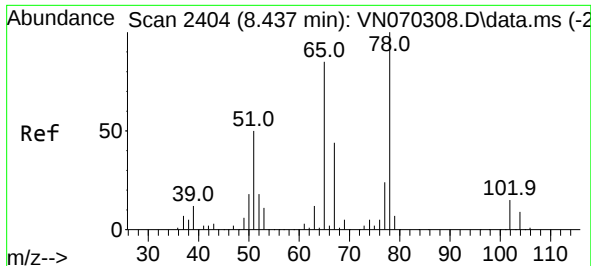
Delta R.T. -0.019 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Tgt Ion:	56	Resp:	22274
Ion	Ratio	Lower	Upper
56	100		
69	170.6	27.1	40.7#
84	147.0	73.4	110.0#





#33

1,2-Dichloroethane-d4

Concen: 39.269 ug/l

RT: 8.432 min Scan# 24

Delta R.T. -0.005 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Instrument :

MSVOA_N

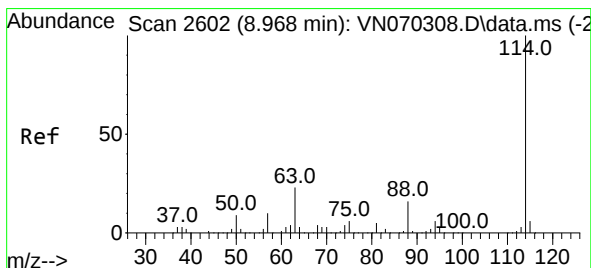
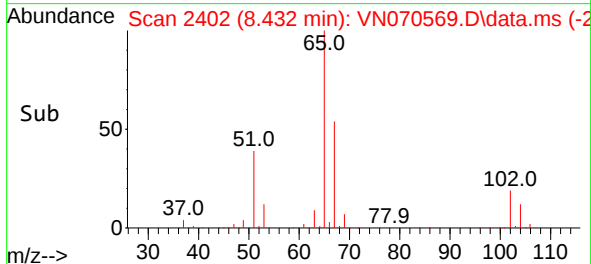
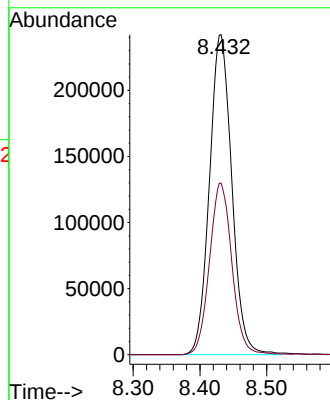
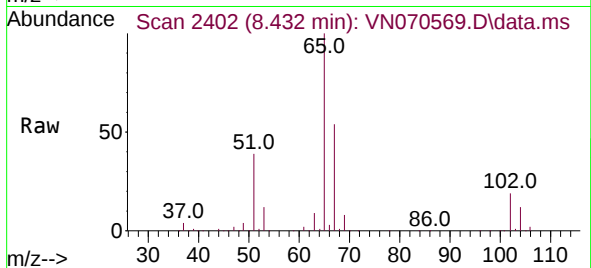
ClientSampleId :

Tgt Ion: 65 Resp: 563030

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2600

Delta R.T. -0.005 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

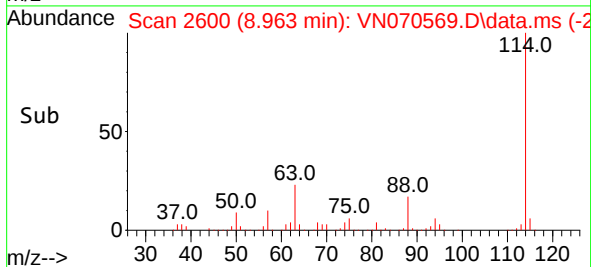
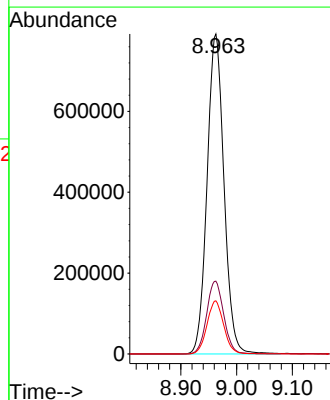
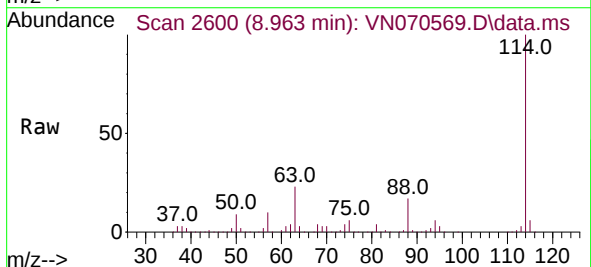
Tgt Ion: 114 Resp: 1668213

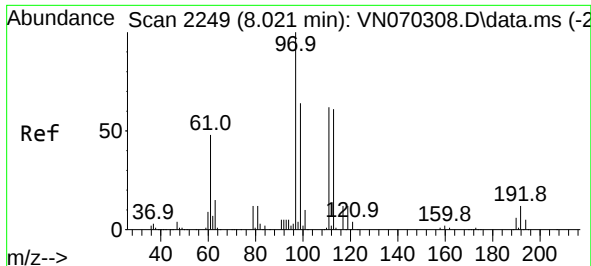
Ion Ratio Lower Upper

114 100

63 22.7 0.0 37.8

88 16.6 0.0 27.4

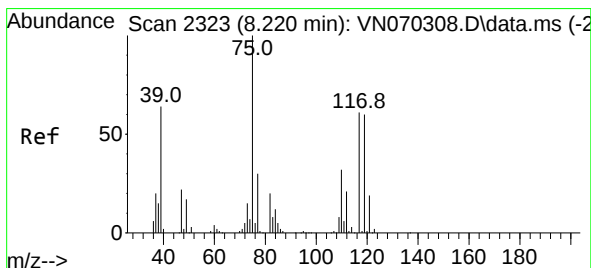
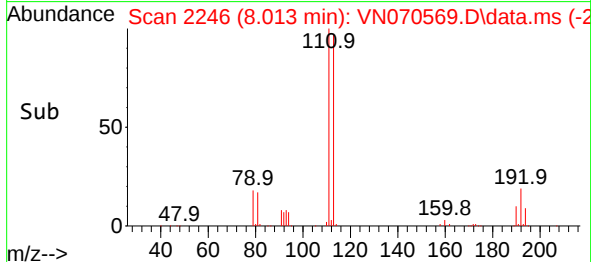
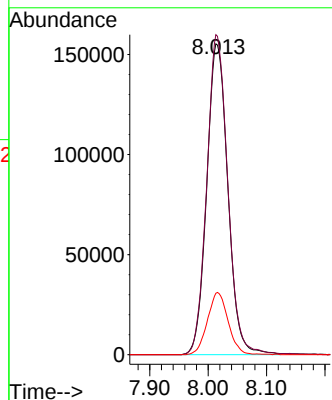
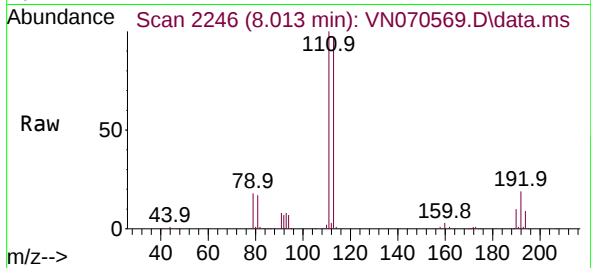




#35
Dibromofluoromethane
Concen: 38.722 ug/l
RT: 8.013 min Scan# 211
Delta R.T. -0.008 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

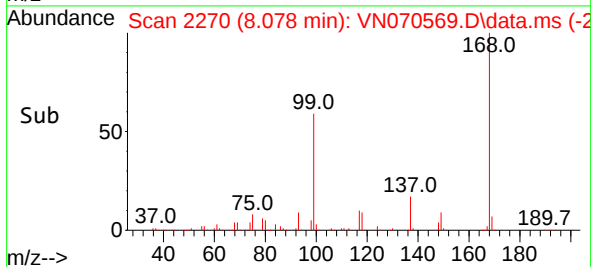
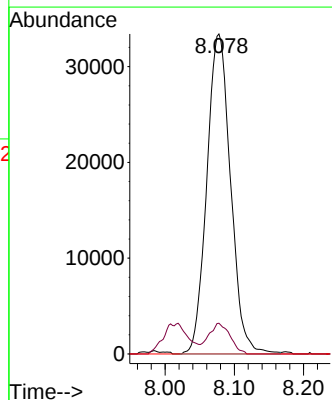
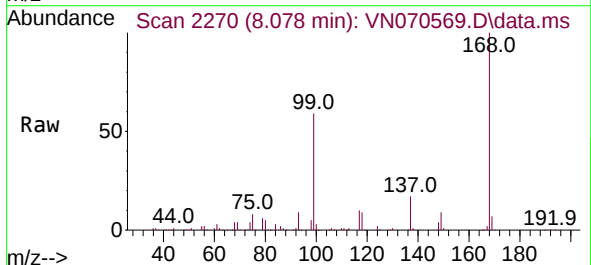
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ClientSampleId :

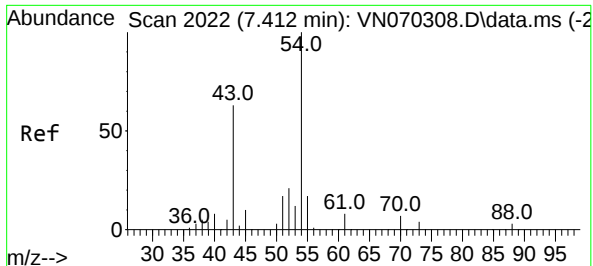
Tgt Ion:113 Resp: 390841
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.772 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.142 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 75 Resp: 79678
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.211 ug/l

RT: 7.340 min Scan# 11

Delta R.T. -0.072 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

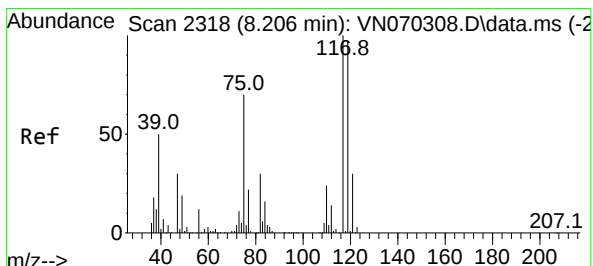
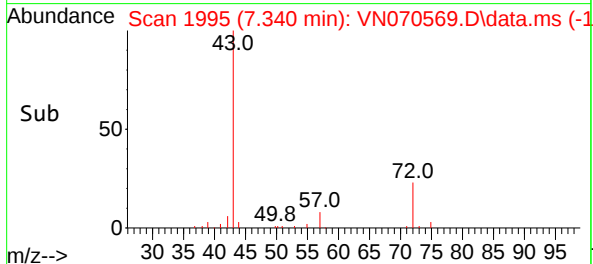
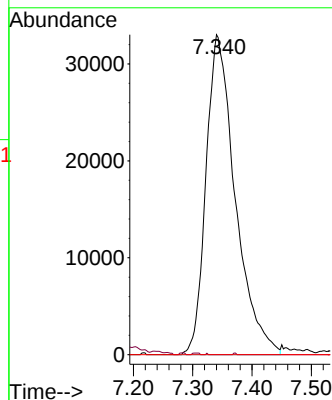
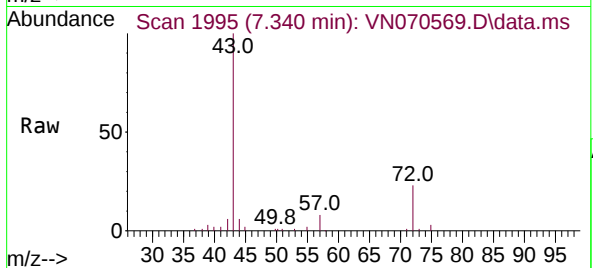
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 112790

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 6.004 ug/l

RT: 8.078 min Scan# 2270

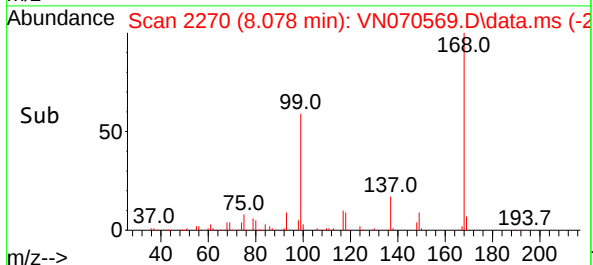
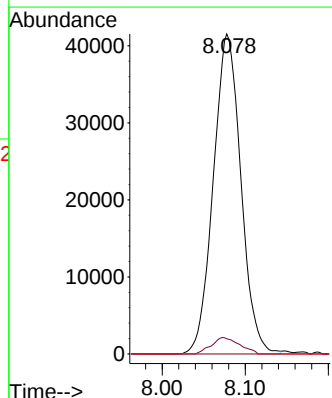
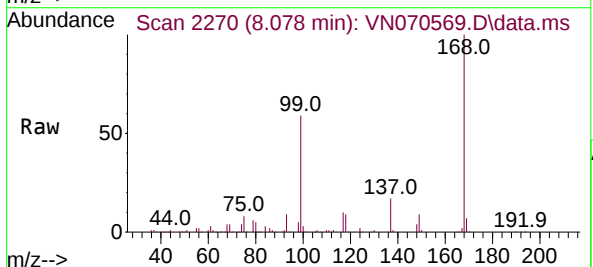
Delta R.T. -0.128 min

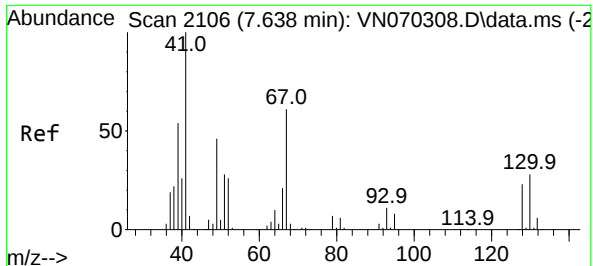
Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Tgt Ion: 117 Resp: 95731

Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.1	114.1#
121	0.0	24.2	36.2#

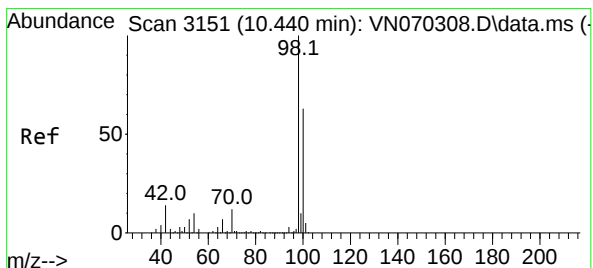
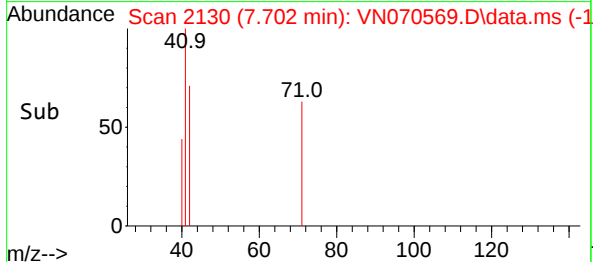
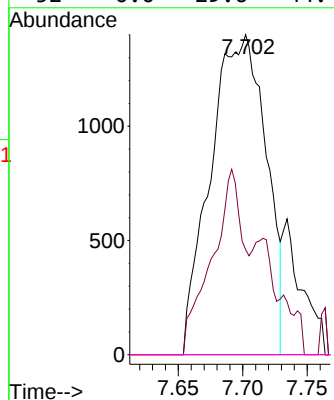
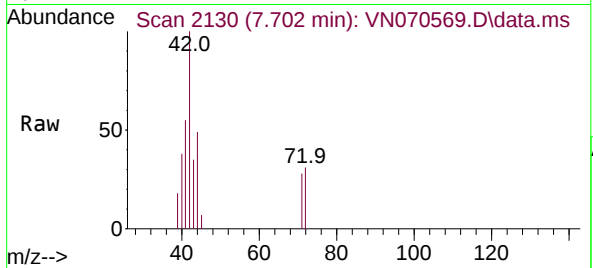




#41
Methacrylonitrile
Concen: 0.387 ug/l
RT: 7.702 min Scan# 2106
Delta R.T. 0.064 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

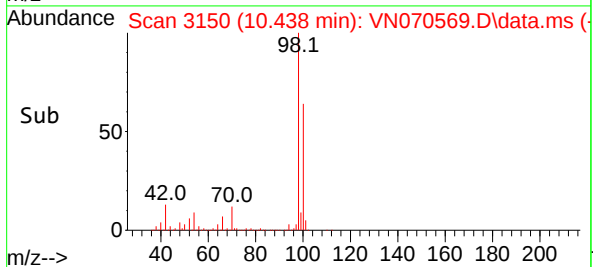
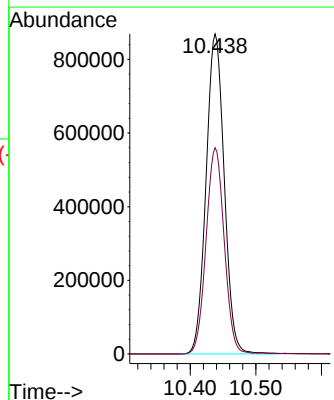
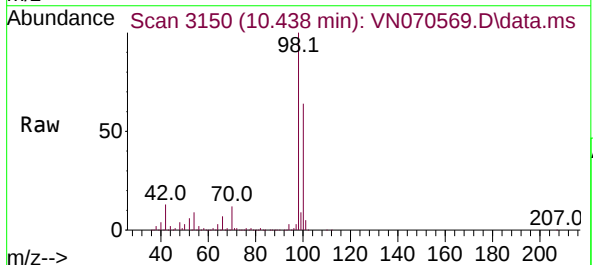
Instrument :
MSVOA_N
ClientSampleId :

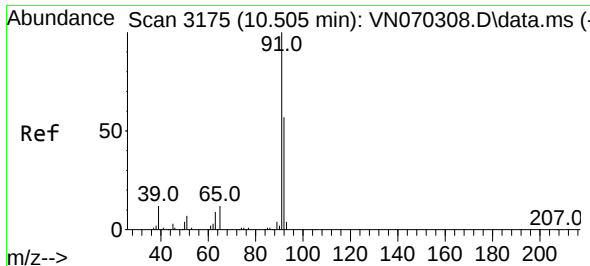
Tgt Ion: 41 Resp: 4193
Ion Ratio Lower Upper
41 100
39 33.0 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#



#50
Toluene-d8
Concen: 40.592 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 98 Resp: 1673741
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6

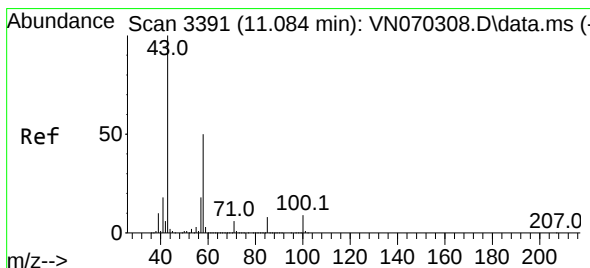
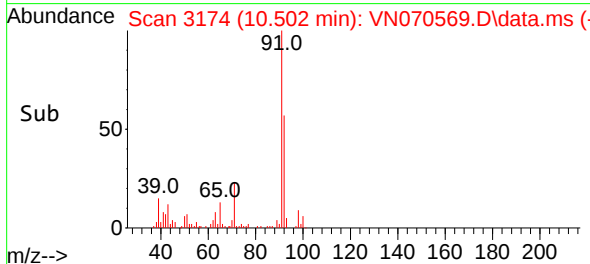
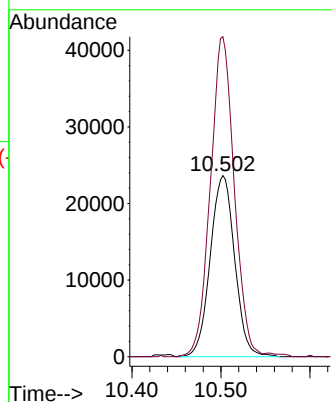
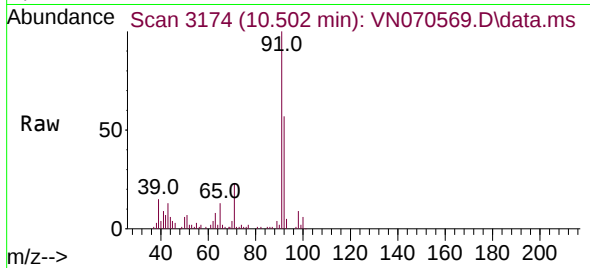




#52
Toluene
Concen: 1.455 ug/l
RT: 10.502 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

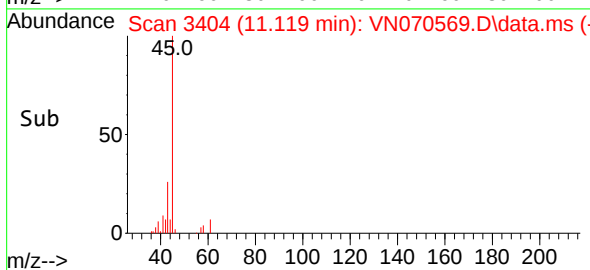
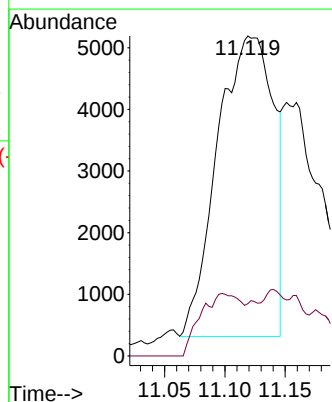
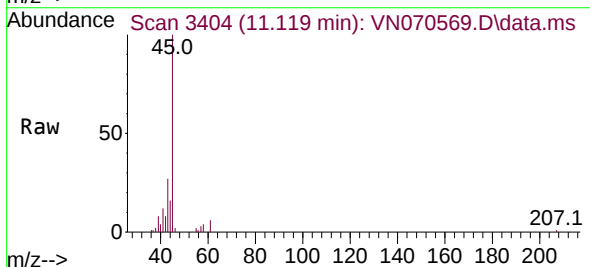
Instrument :
MSVOA_N
ClientSampleId :

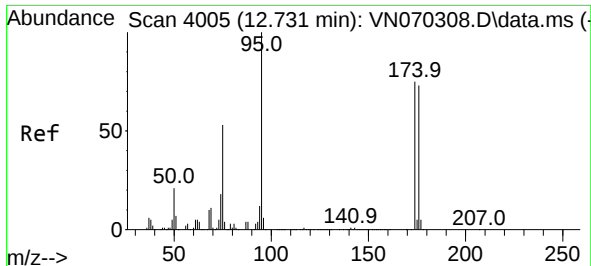
Tgt Ion: 92 Resp: 45073
Ion Ratio Lower Upper
92 100
91 172.6 142.0 213.0



#59
2-Hexanone
Concen: 1.009 ug/l
RT: 11.119 min Scan# 3404
Delta R.T. 0.035 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 43 Resp: 15783
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.7#

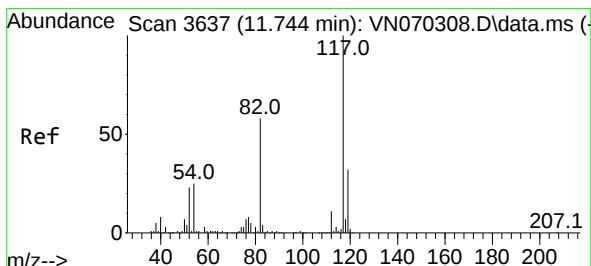
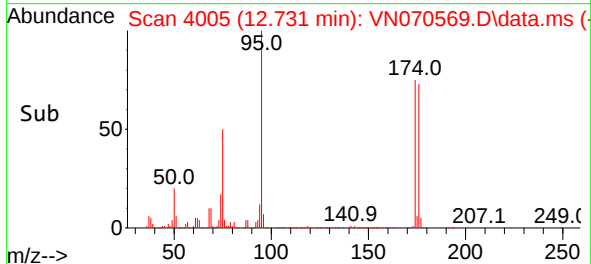
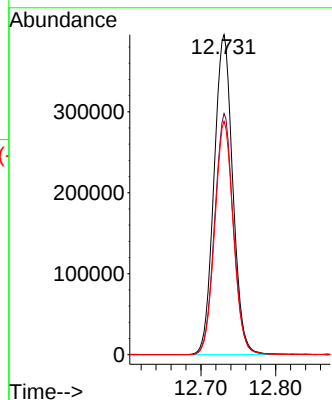
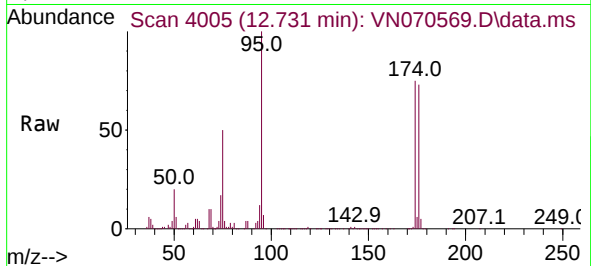




#62
4-Bromofluorobenzene
Concen: 46.165 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

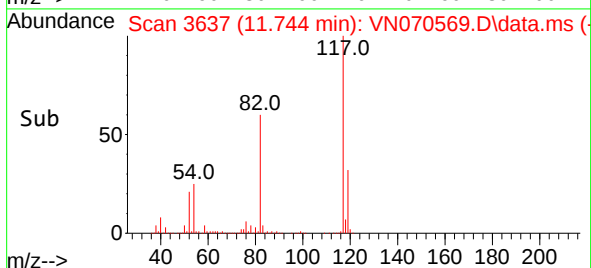
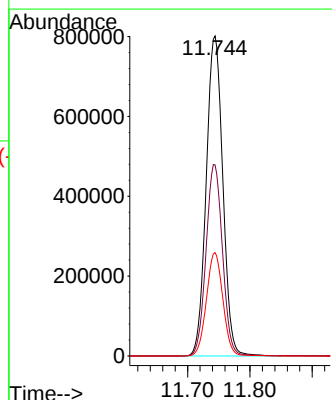
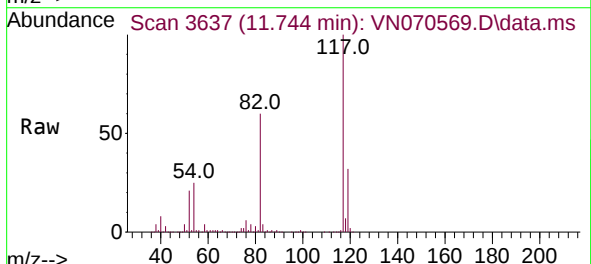
Instrument :
MSVOA_N
ClientSampleId :

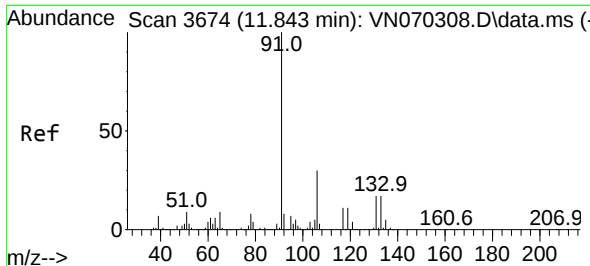
Tgt Ion: 95 Resp: 687520
Ion Ratio Lower Upper
95 100
174 75.5 0.0 187.2
176 72.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 117 Resp: 1483183
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.3 25.4 38.2

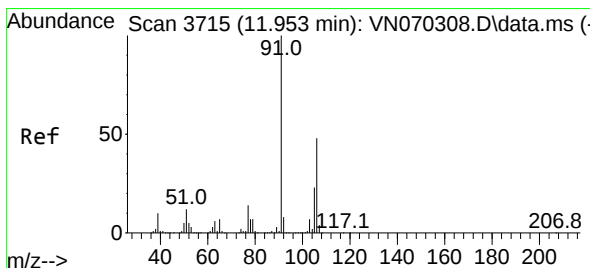
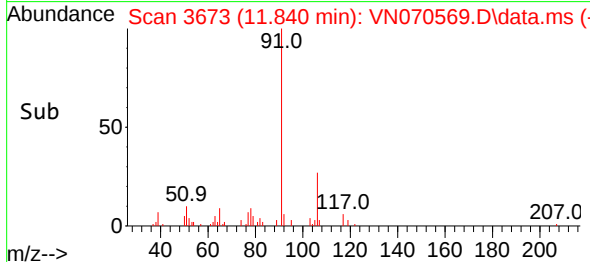
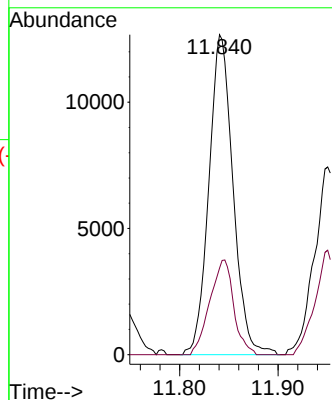
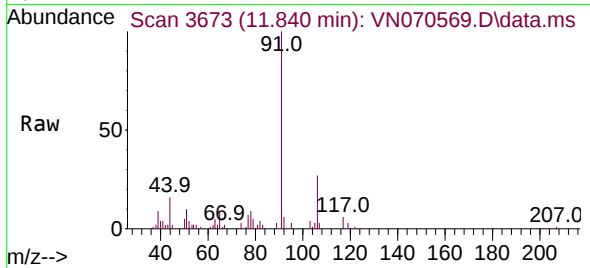




#67
Ethyl Benzene
Concen: 0.375 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

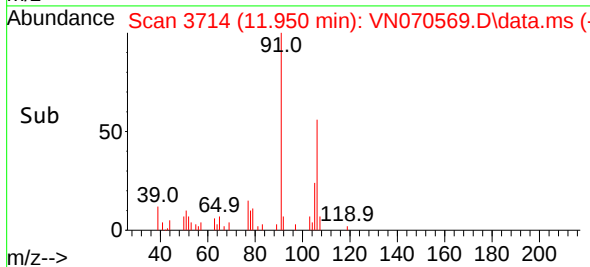
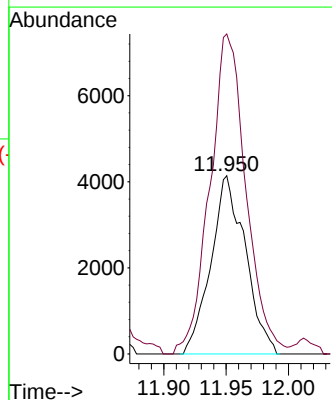
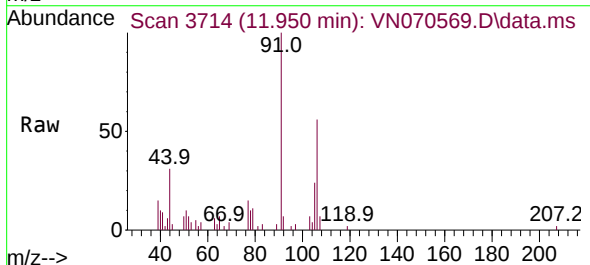
Instrument :
MSVOA_N
ClientSampleId :

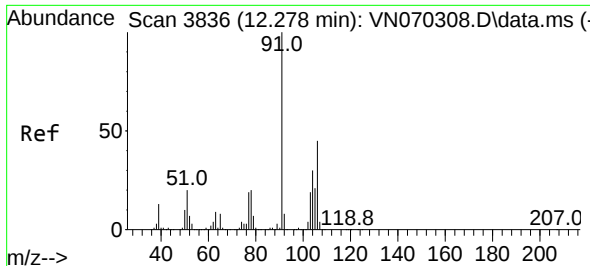
Tgt Ion: 91 Resp: 21619
Ion Ratio Lower Upper
91 100
106 27.0 25.7 38.5



#68
m/p-Xylenes
Concen: 0.379 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 106 Resp: 7959
Ion Ratio Lower Upper
106 100
91 188.3 160.6 240.8

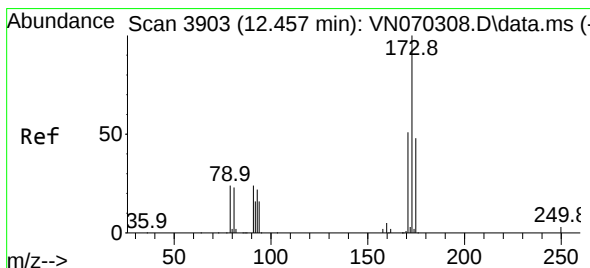
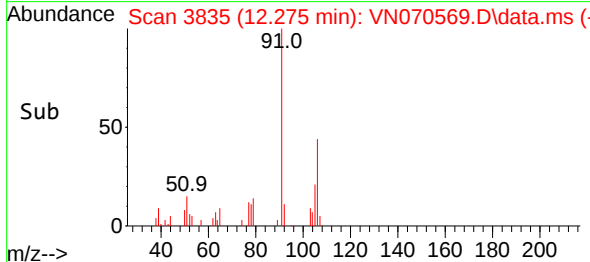
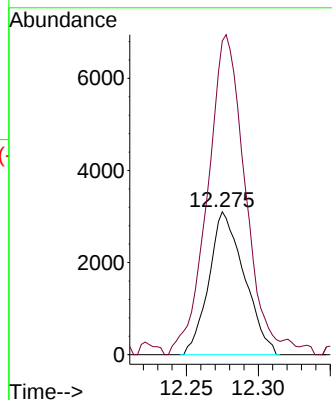
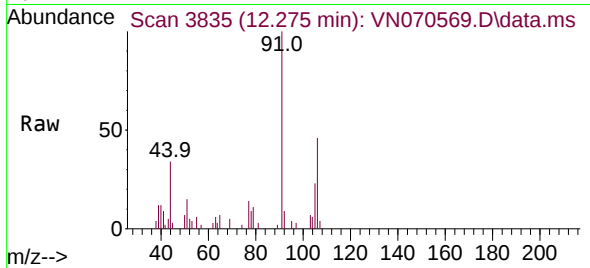




#69
o-Xylene
Concen: 0.254 ug/l
RT: 12.275 min Scan# 3835
Delta R.T. -0.003 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

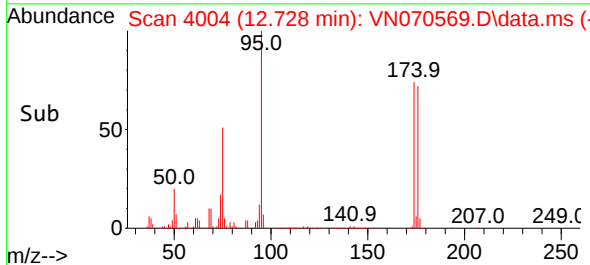
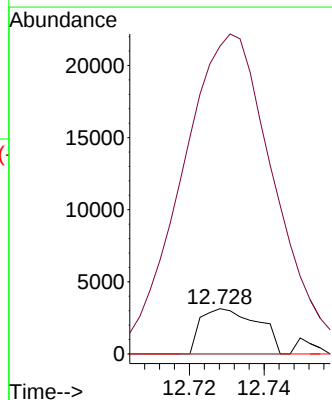
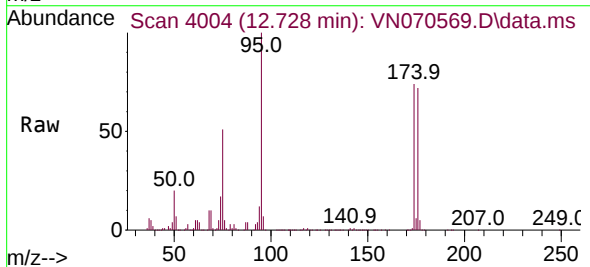
Instrument :
MSVOA_N
ClientSampleId :

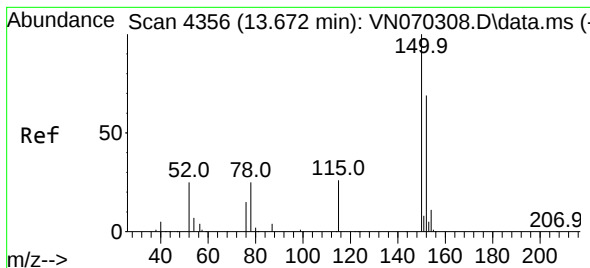
Tgt Ion:106 Resp: 5312
Ion Ratio Lower Upper
106 100
91 235.2 105.8 317.3



#71
Bromoform
Concen: 0.401 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.271 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion:173 Resp: 3340
Ion Ratio Lower Upper
173 100
175 1071.8 24.2 72.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 41

Delta R.T. 0.000 min

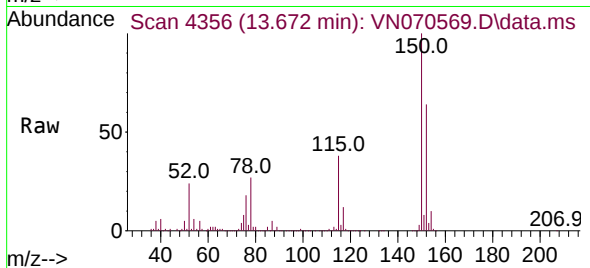
Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :



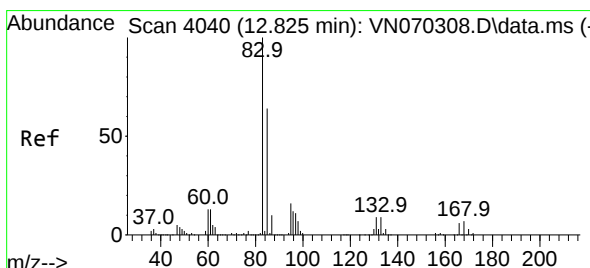
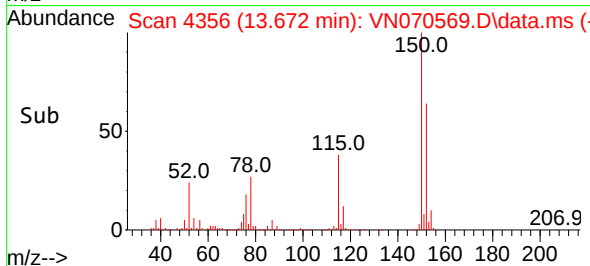
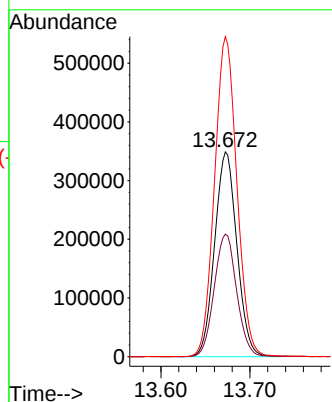
Tgt Ion:152 Resp: 606423

Ion Ratio Lower Upper

152 100

115 60.5 27.5 82.5

150 156.9 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: 0.463 ug/l

RT: 12.798 min Scan# 4030

Delta R.T. -0.027 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

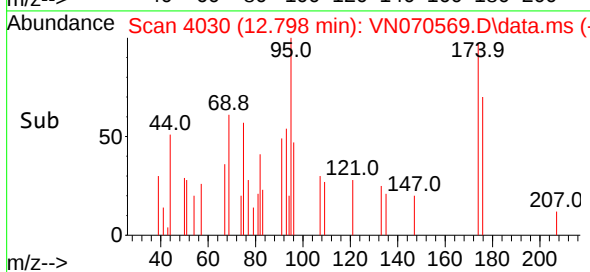
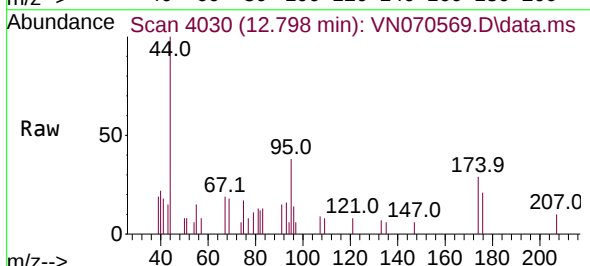
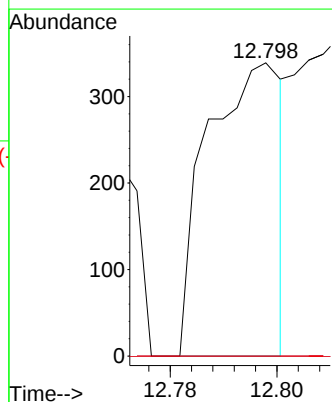
Tgt Ion: 83 Resp: 329

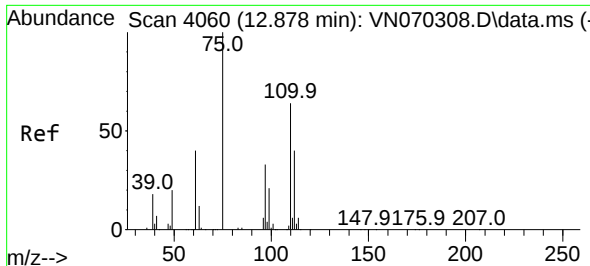
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 0.0 32.4 97.2#

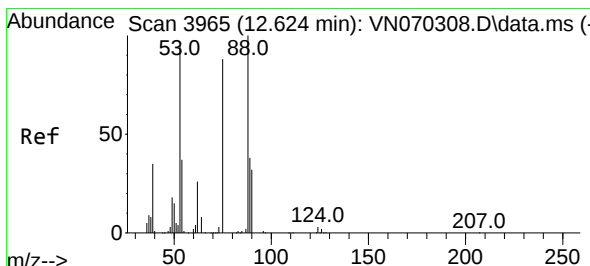
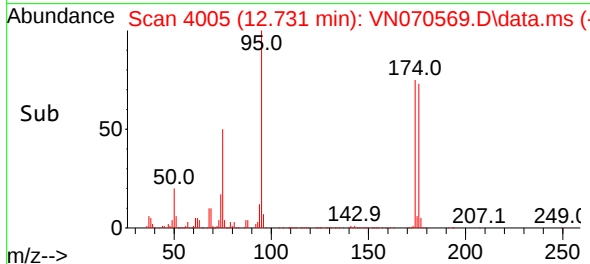
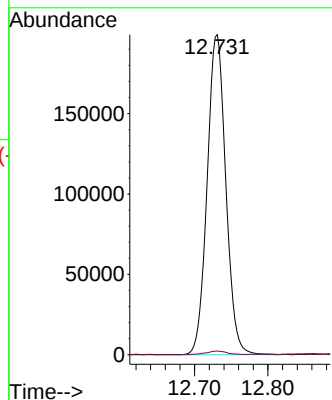
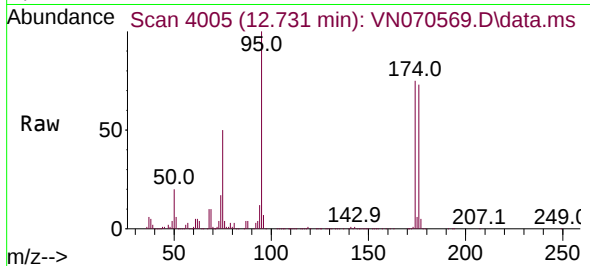




#76
1,2,3-Trichloropropane
Concen: 21.257 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

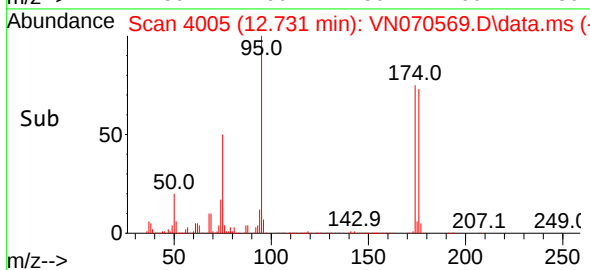
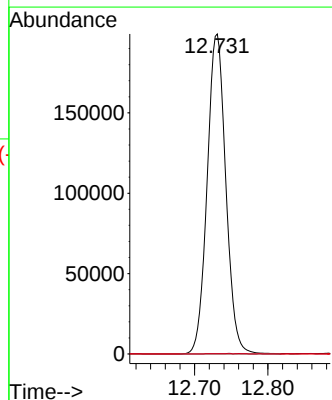
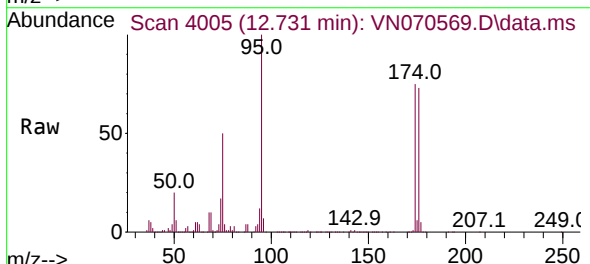
Instrument :
MSVOA_N
ClientSampleId :

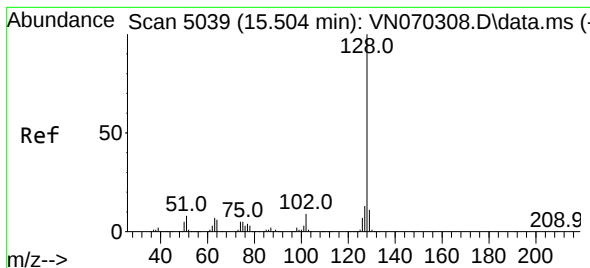
Tgt Ion: 75 Resp: 351788
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.875 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070569.D
Acq: 11 Jan 2022 15:01

Tgt Ion: 75 Resp: 351788
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#95

Naphthalene

Concen: 2.084 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. 0.000 min

Lab File: VN070569.D

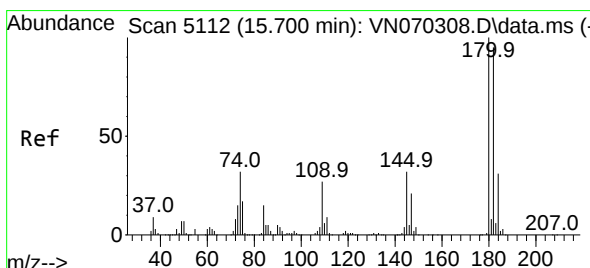
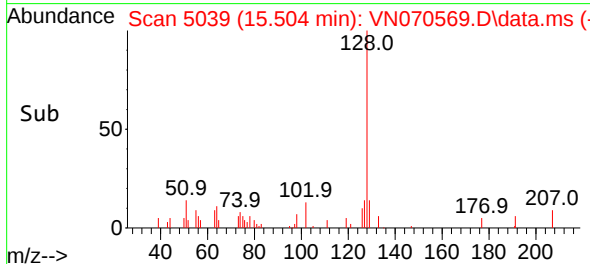
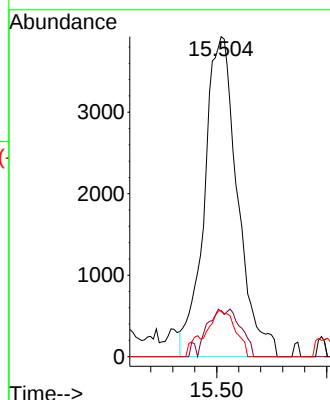
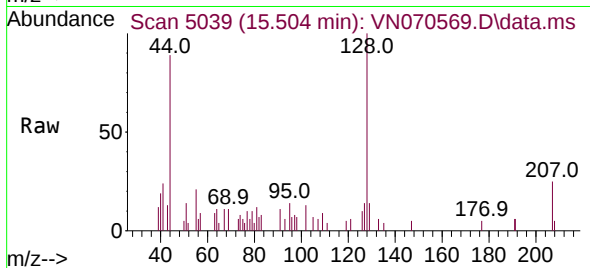
Acq: 11 Jan 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	8219
Ion Ratio	Lower	Upper	
128	100		
127	7.6	10.5	15.7#
129	11.4	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.055 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.003 min

Lab File: VN070569.D

Acq: 11 Jan 2022 15:01

Tgt Ion:	180	Resp:	2226
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.4	142.2
145	36.9	15.0	45.1

