

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011222\
 Data File : VN070589.D
 Acq On : 12 Jan 2022 16:26
 Operator : JC/MD
 Sample : N1097-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 13 04:27:16 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)

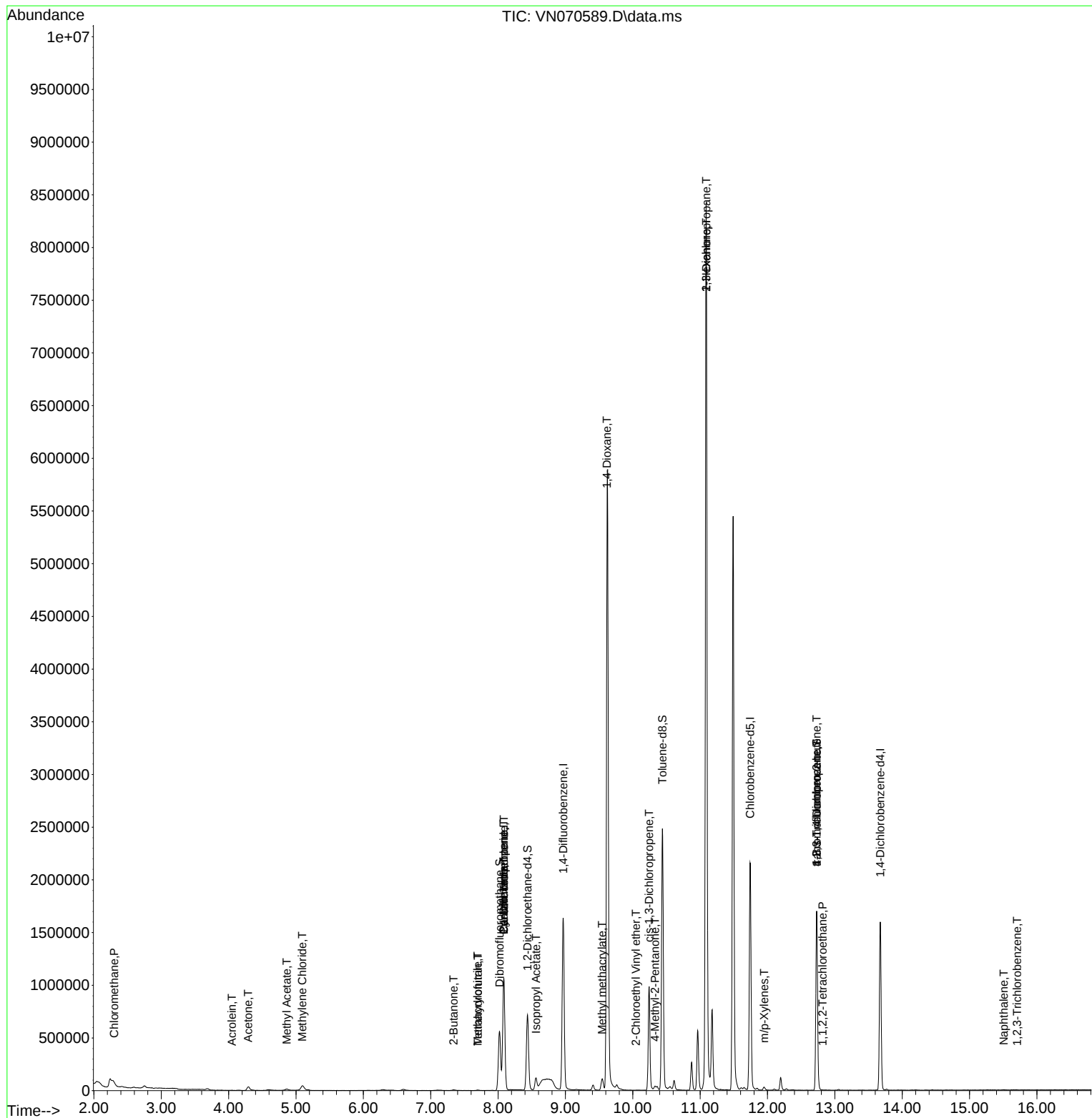
Internal Standards						
1) Pentafluorobenzene	8.086	168	823328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1437782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1273245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	439878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	601775	50.835	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.660%			
35) Dibromofluoromethane	8.021	113	424569	48.805	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.600%			
50) Toluene-d8	10.440	98	1732560	48.753	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.500%			
62) 4-Bromofluorobenzene	12.731	95	627456	48.885	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.760%			
Target Compounds					Qvalue	
3) Chloromethane	2.301	50	4387	0.345	ug/l	99
13) Acrolein	4.049	56	760	0.475	ug/l #	76
16) Acetone	4.291	43	60381	7.857	ug/l	99
18) Methyl Acetate	4.865	43	26963	1.213	ug/l #	89
20) Methylene Chloride	5.093	84	31127	2.928	ug/l	93
25) 2-Butanone	7.340	43	12391	1.281	ug/l #	89
29) Tetrahydrofuran	7.699	42	3536	0.613	ug/l #	72
31) Cyclohexane	8.083	56	17577	0.941	ug/l #	8
36) 1,1-Dichloropropene	8.083	75	64346	4.471	ug/l #	48
38) Carbon Tetrachloride	8.086	117	81293	5.916	ug/l #	15
41) Methacrylonitrile	7.697	41	2203	0.236	ug/l #	42
43) Isopropyl Acetate	8.563	43	142277	4.838	ug/l #	83
48) Methyl methacrylate	9.545	41	32429	2.312	ug/l #	8
49) 1,4-Dioxane	9.617	88	399	1.943	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	18086	0.979	ug/l #	78
54) cis-1,3-Dichloropropene	10.242	75	168252	9.796	ug/l #	62
57) 1,3-Dichloropropane	11.089	76	84747	4.535	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.046	63	127	18.539	ug/l #	45
59) 2-Hexanone	11.089	43	1459863	108.327	ug/l #	49
68) m/p-Xylenes	11.953	106	8834	0.490	ug/l	85
75) 1,1,2,2-Tetrachloroethane	12.817	83	26	0.449	ug/l #	25
76) 1,2,3-Trichloropropane	12.731	75	325389	26.354	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	325389	90.377	ug/l #	5
95) Naphthalene	15.507	128	3860	1.983	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.705	180	501	0.897	ug/l #	30

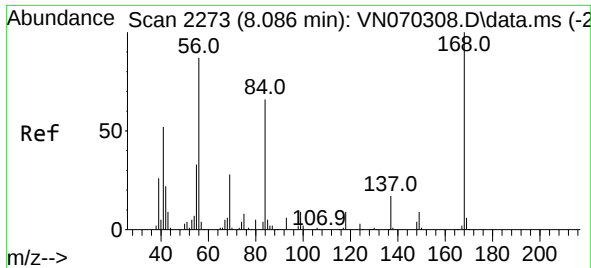
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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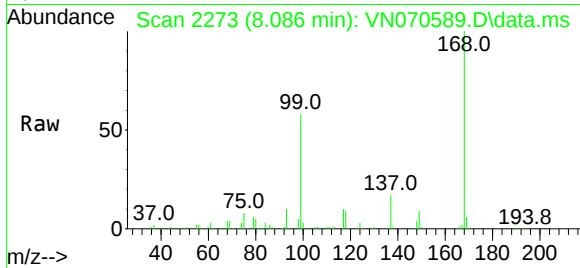
Quant Time: Jan 13 04:27:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration



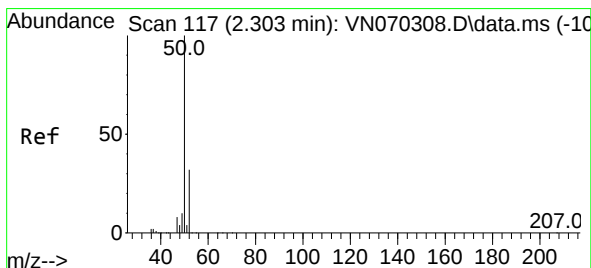
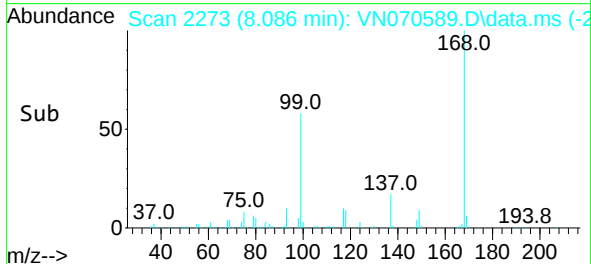
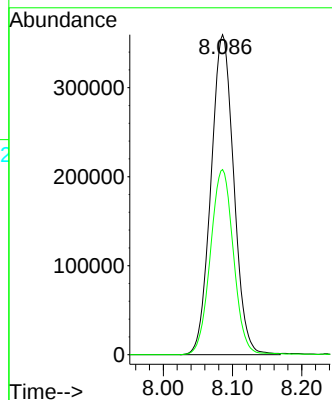


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Instrument :
MSVOA_N
ClientSampleId :

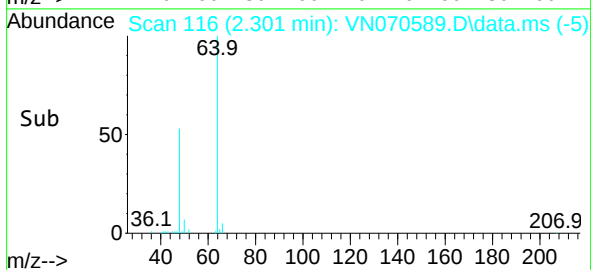
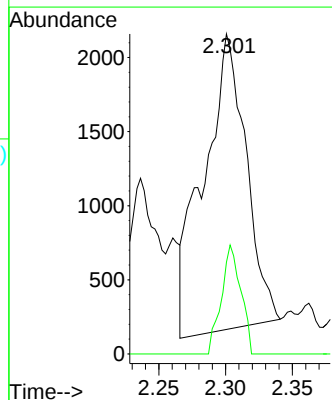
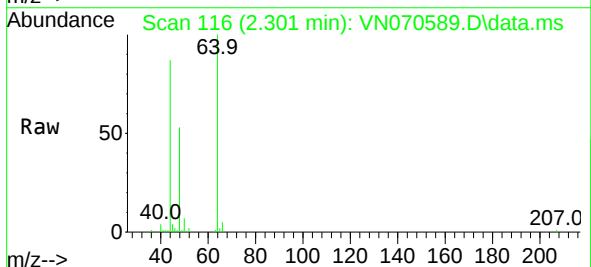


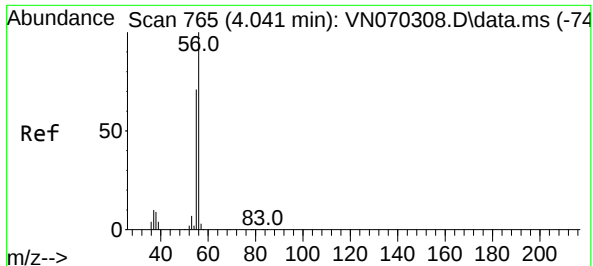
Tgt Ion:168 Resp: 823328
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.345 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

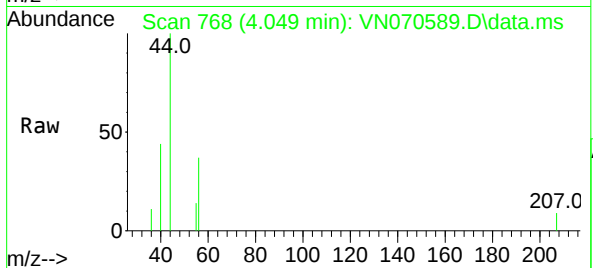
Tgt Ion: 50 Resp: 4387
Ion Ratio Lower Upper
50 100
52 32.1 25.4 38.0



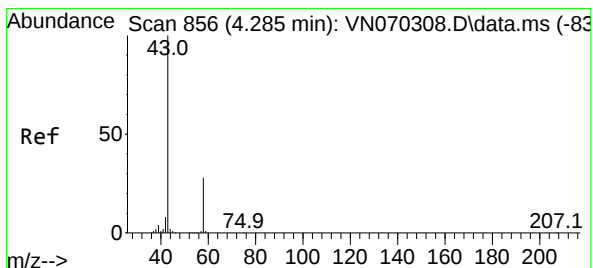
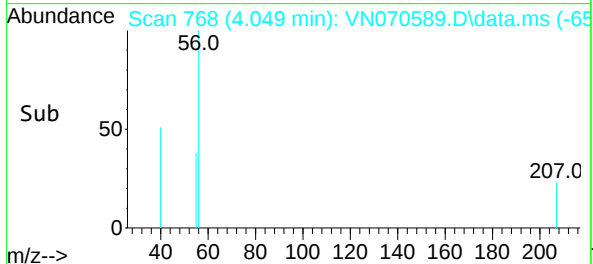
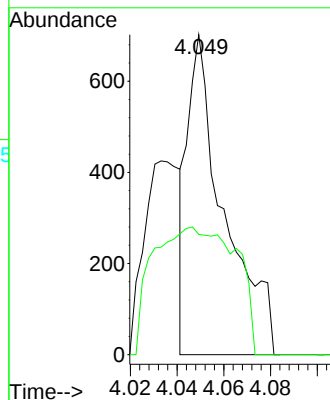


#13
Acrolein
Concen: 0.475 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Instrument :
MSVOA_N
ClientSampleId :

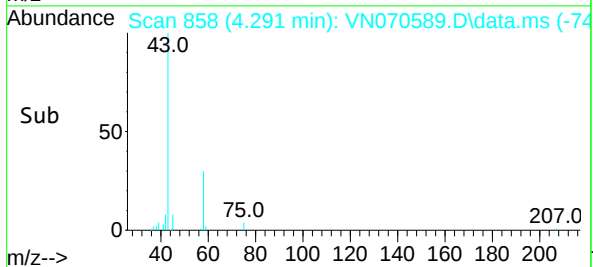
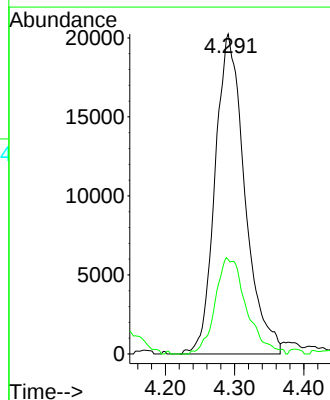
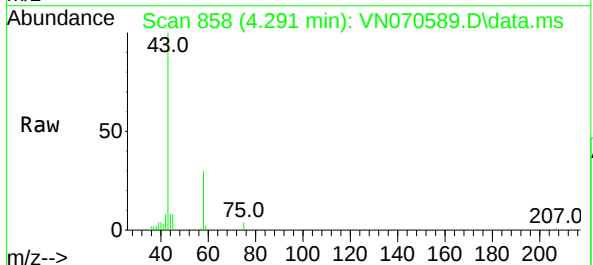


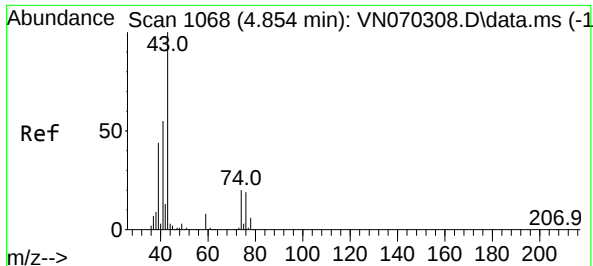
Tgt Ion: 56 Resp: 760
Ion Ratio Lower Upper
56 100
55 90.9 56.6 85.0#



#16
Acetone
Concen: 7.857 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion: 43 Resp: 60381
Ion Ratio Lower Upper
43 100
58 29.5 23.1 34.7





#18

Methyl Acetate

Concen: 1.213 ug/l

RT: 4.865 min Scan# 1107

Delta R.T. 0.011 min

Lab File: VN070589.D

Acq: 12 Jan 2022 16:26

Instrument :

MSVOA_N

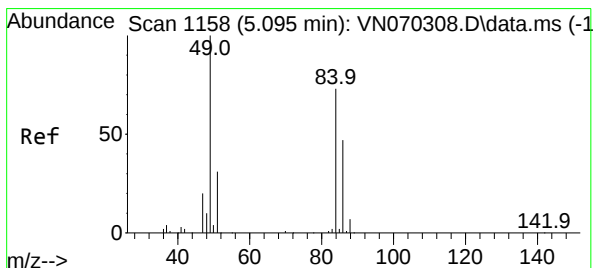
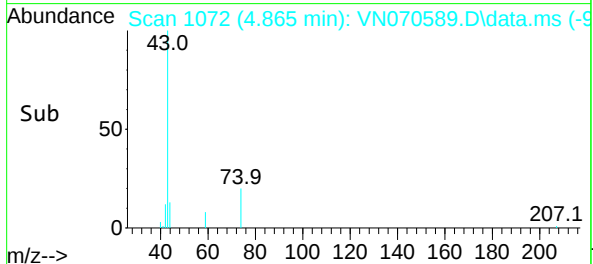
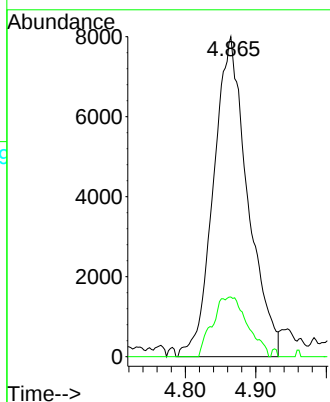
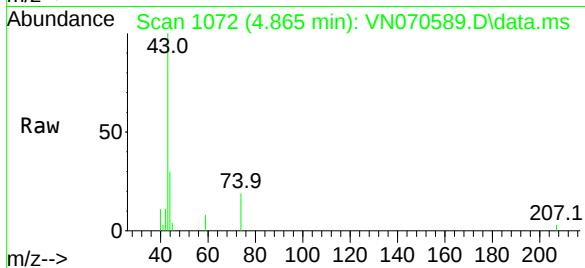
ClientSampleId :

Tgt Ion: 43 Resp: 26963

Ion Ratio Lower Upper

43 100

74 19.0 19.4 29.2#



#20

Methylene Chloride

Concen: 2.928 ug/l

RT: 5.093 min Scan# 1157

Delta R.T. -0.002 min

Lab File: VN070589.D

Acq: 12 Jan 2022 16:26

Tgt Ion: 84 Resp: 31127

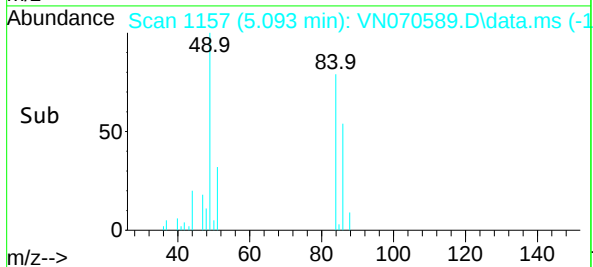
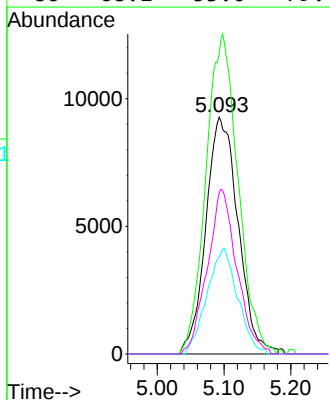
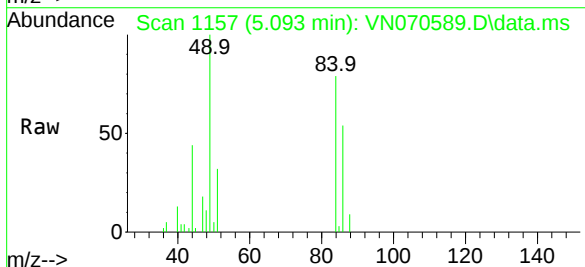
Ion Ratio Lower Upper

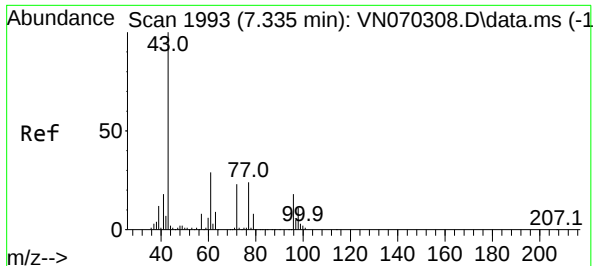
84 100

49 126.8 93.5 140.3

51 40.9 29.4 44.2

86 68.1 53.0 79.4





#25

2-Butanone

Concen: 1.281 ug/l

RT: 7.340 min Scan# 1993

Delta R.T. 0.005 min

Lab File: VN070589.D

Acq: 12 Jan 2022 16:26

Instrument :

MSVOA_N

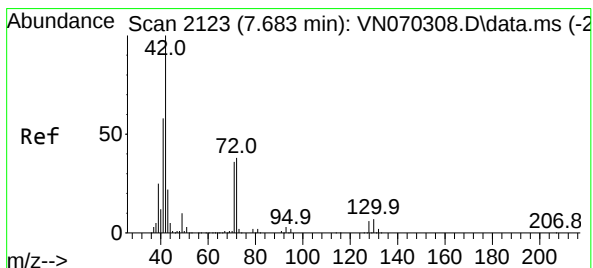
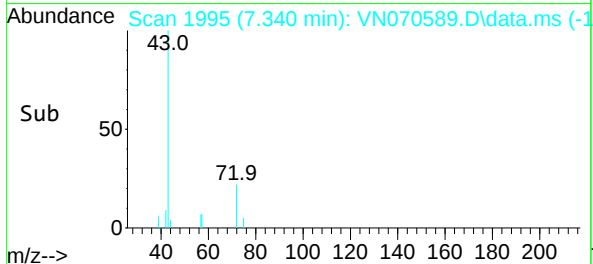
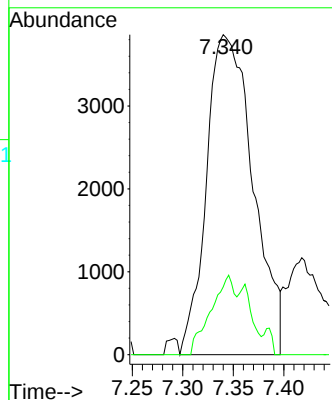
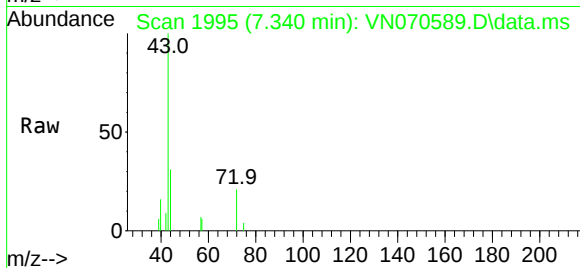
ClientSampleId :

Tgt Ion: 43 Resp: 12391

Ion Ratio Lower Upper

43 100

72 21.2 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.613 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.016 min

Lab File: VN070589.D

Acq: 12 Jan 2022 16:26

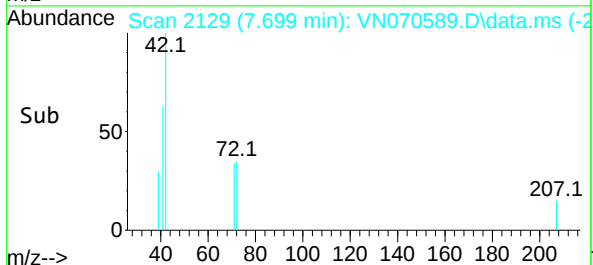
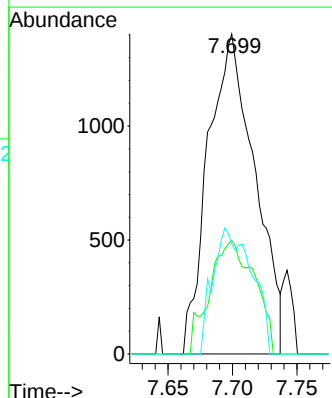
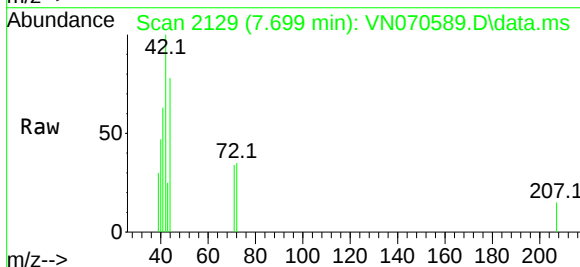
Tgt Ion: 42 Resp: 3536

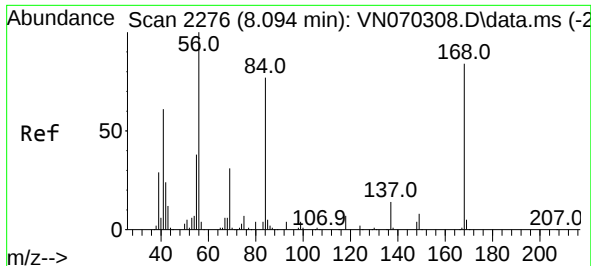
Ion Ratio Lower Upper

42 100

72 34.1 36.3 54.5#

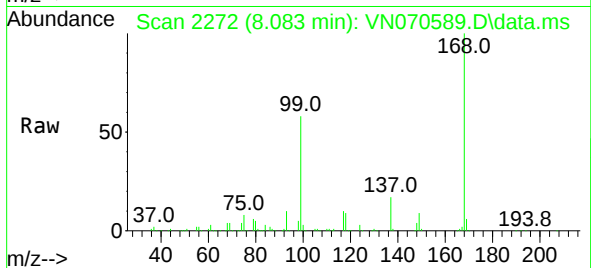
71 18.4 34.7 52.1#



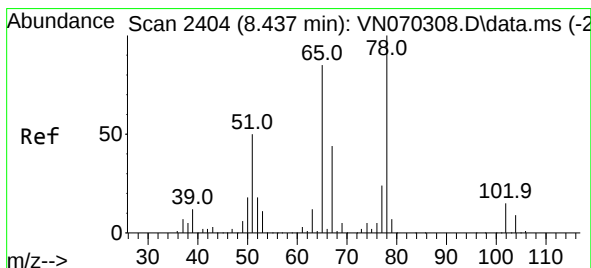
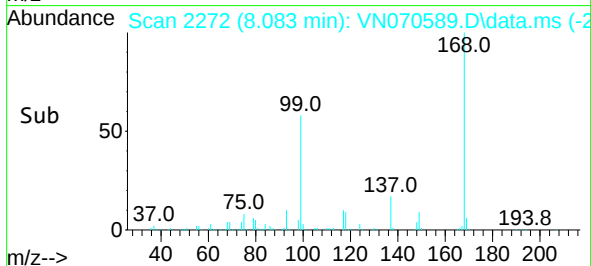
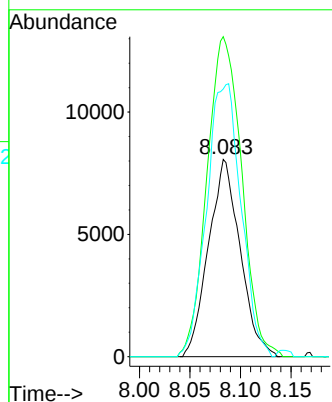


#31
Cyclohexane
Concen: 0.941 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Instrument :
MSVOA_N
ClientSampleId :

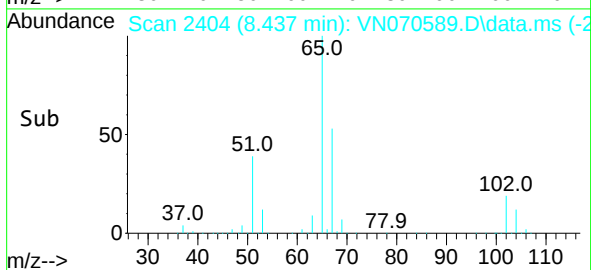
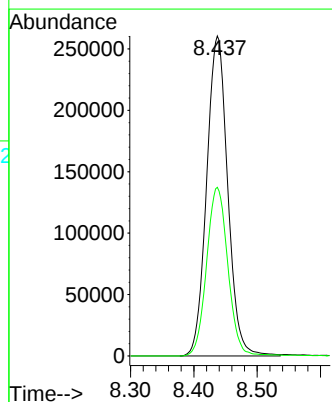
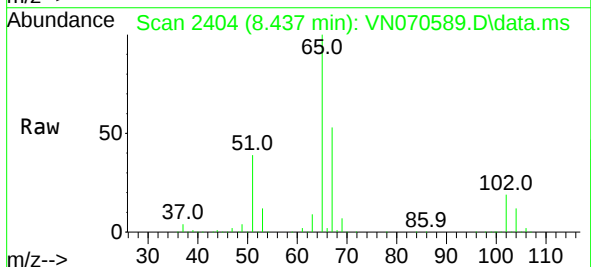


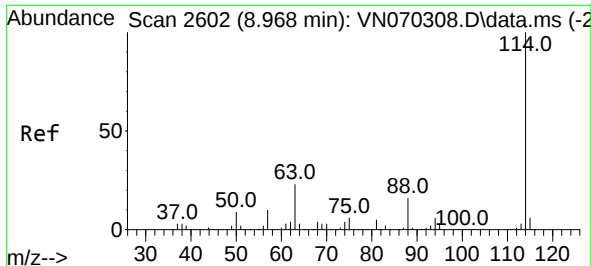
Tgt Ion: 56 Resp: 17577
Ion Ratio Lower Upper
56 100
69 160.1 27.1 40.7#
84 133.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.835 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion: 65 Resp: 601775
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0

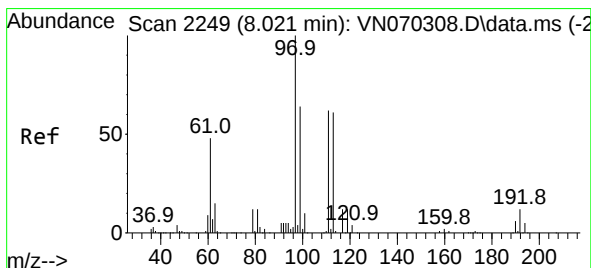
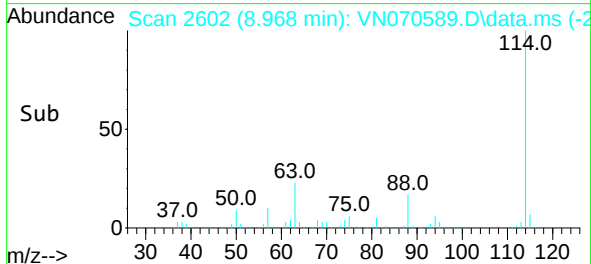
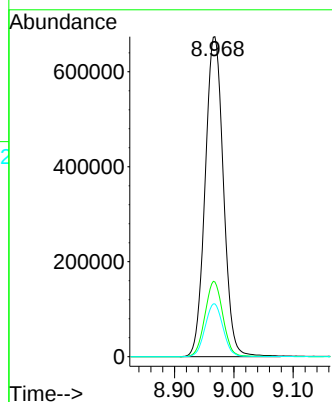
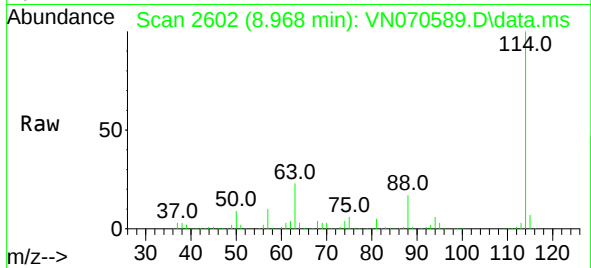




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

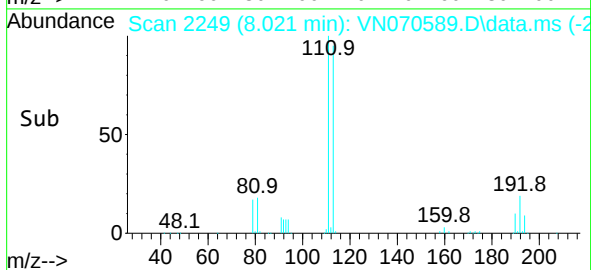
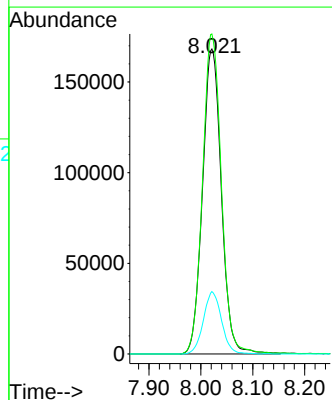
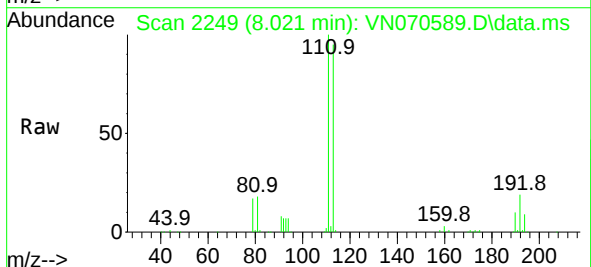
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MSVOA_N
ClientSampleId :

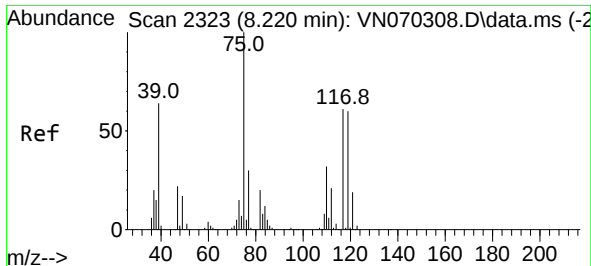
Tgt Ion:114 Resp: 1437782
Ion Ratio Lower Upper
114 100
63 23.3 0.0 37.8
88 16.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion:113 Resp: 424569
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.2
192 19.7 16.9 25.3

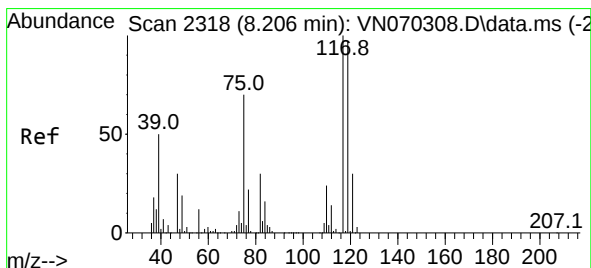
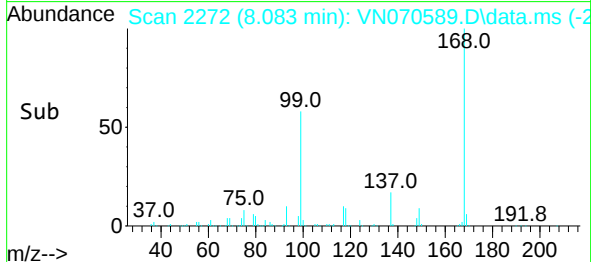
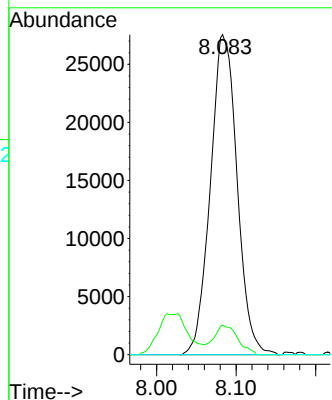
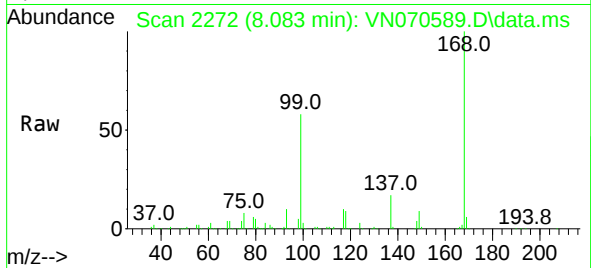




#36
1,1-Dichloropropene
Concen: 4.471 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

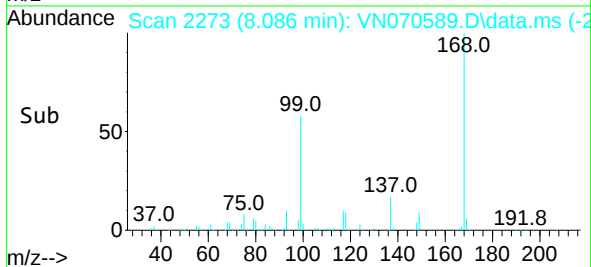
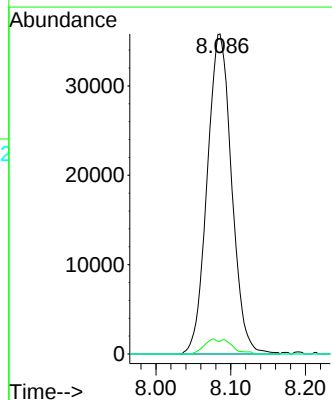
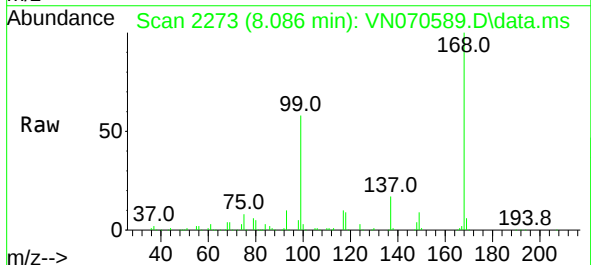
Instrument :
MSVOA_N
ClientSampleId :

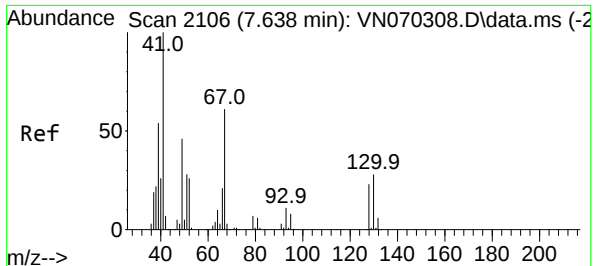
Tgt Ion: 75 Resp: 64346
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.916 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

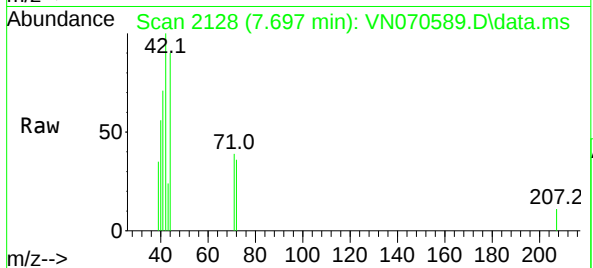
Tgt Ion: 117 Resp: 81293
Ion Ratio Lower Upper
117 100
119 4.0 76.1 114.1#
121 0.0 24.2 36.2#



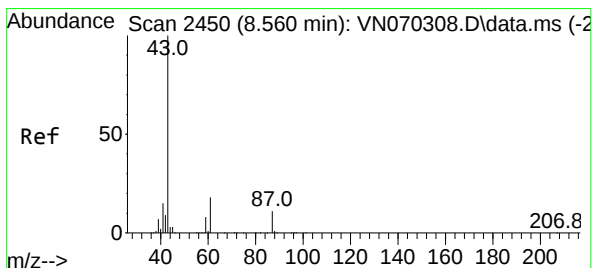
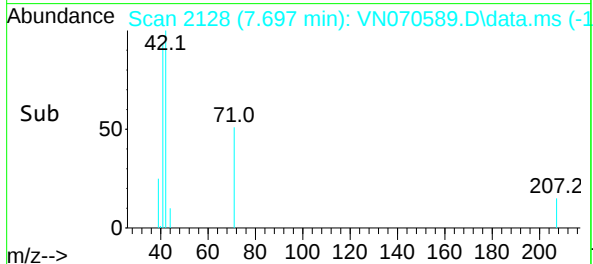
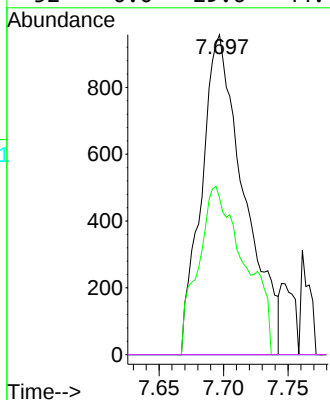


#41
Methacrylonitrile
Concen: 0.236 ug/l
RT: 7.697 min Scan# 2106
Delta R.T. 0.059 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Instrument :
MSVOA_N
ClientSampleId :

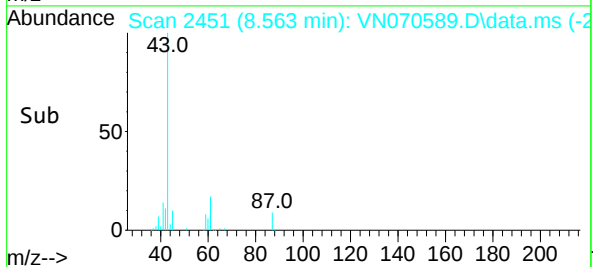
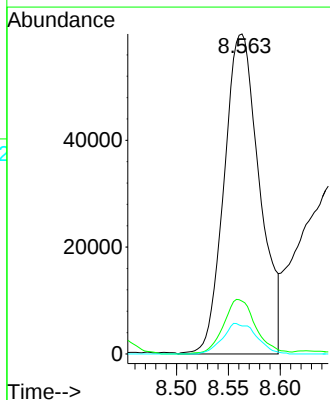
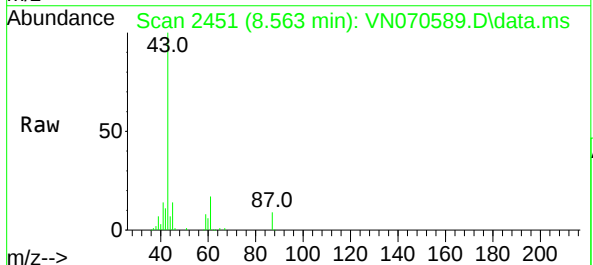


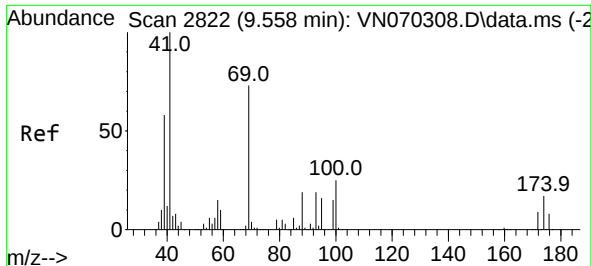
Tgt Ion:	41	Resp:	2203
Ion	Ratio	Lower	Upper
41	100		
39	57.0	48.1	72.1
67	0.0	68.3	102.5#
52	0.0	29.6	44.4#



#43
Isopropyl Acetate
Concen: 4.838 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion:	43	Resp:	142277
Ion	Ratio	Lower	Upper
43	100		
61	15.5	20.4	30.6#
87	9.1	11.2	16.8#

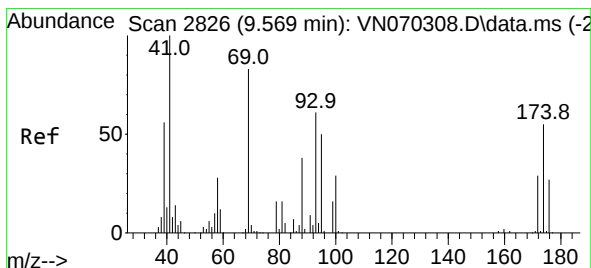
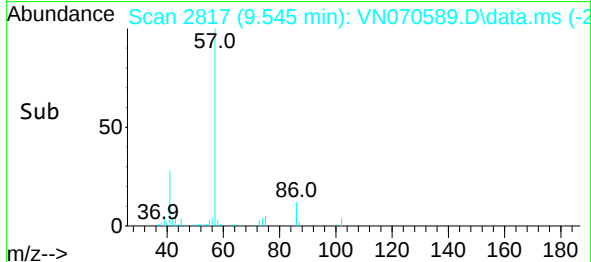
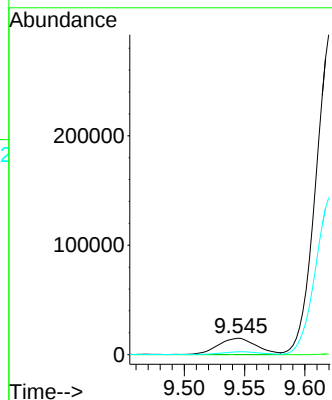
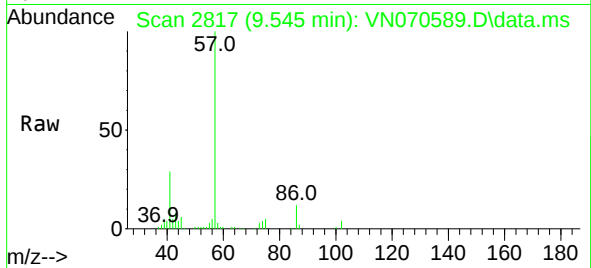




#48
Methyl methacrylate
Concen: 2.312 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

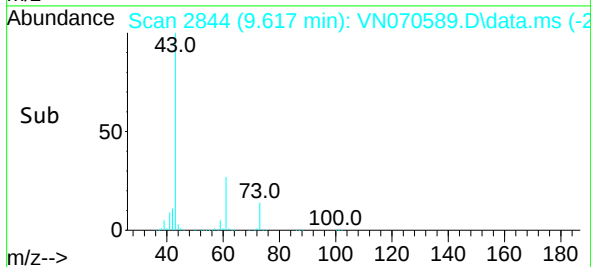
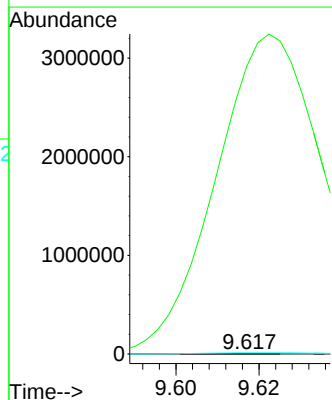
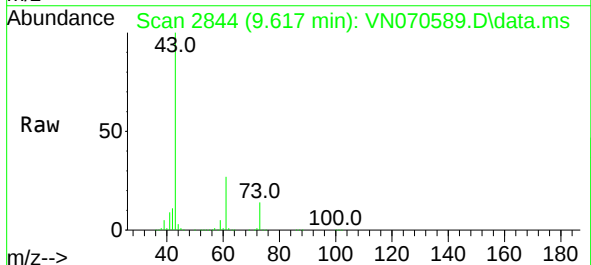
Instrument :
MSVOA_N
ClientSampleId :

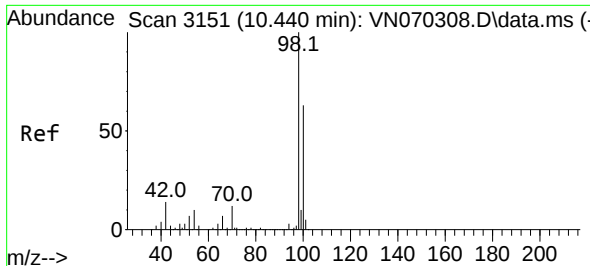
Tgt Ion: 41 Resp: 32429
Ion Ratio Lower Upper
41 100
69 0.1 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 1.943 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.048 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion: 88 Resp: 399
Ion Ratio Lower Upper
88 100
43 1539082.0 23.4 35.2#
58 6380.5 50.6 75.8#

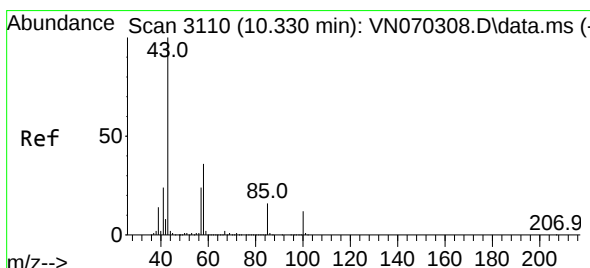
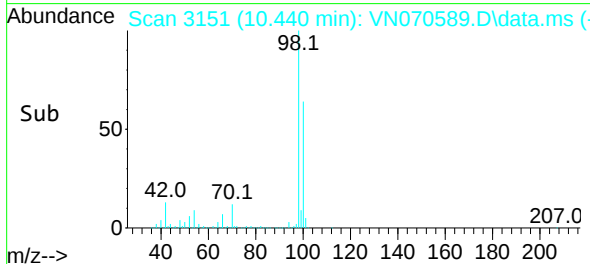
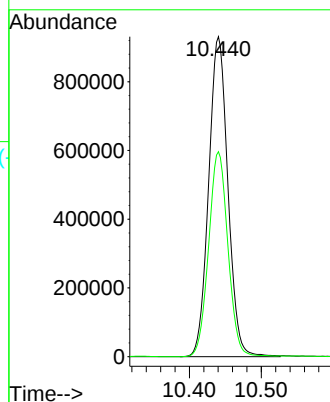
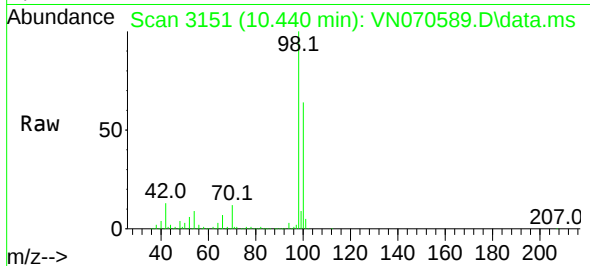




#50
Toluene-d8
Concen: 48.753 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

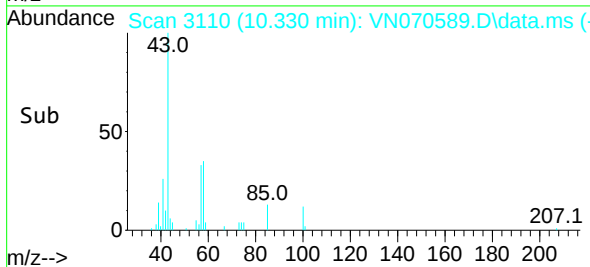
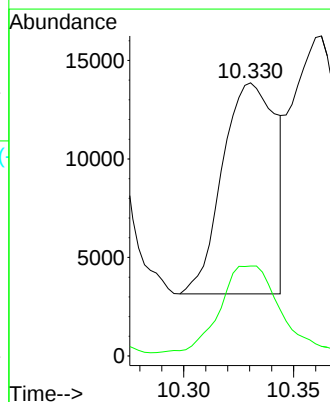
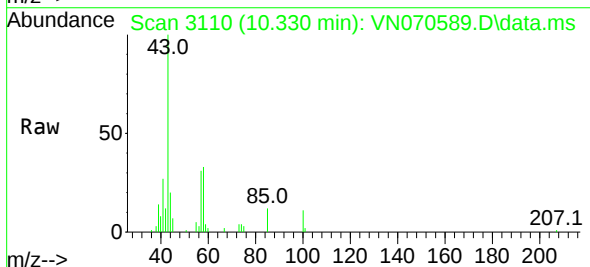
Instrument :
MSVOA_N
ClientSampleId :

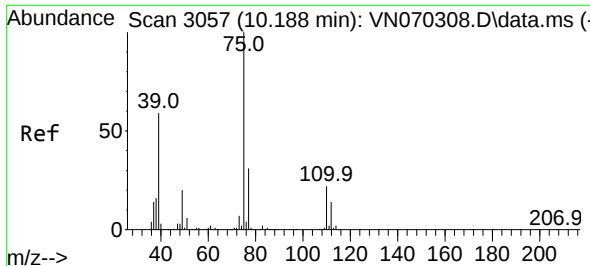
Tgt Ion: 98 Resp: 1732560
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.979 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

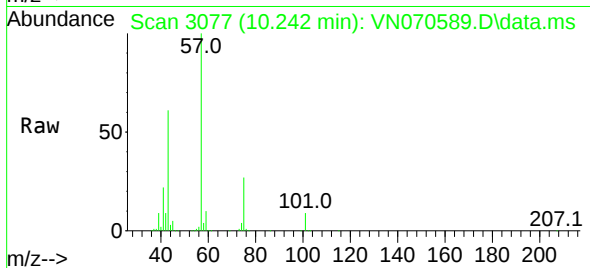
Tgt Ion: 43 Resp: 18086
Ion Ratio Lower Upper
43 100
58 51.0 30.4 45.6#



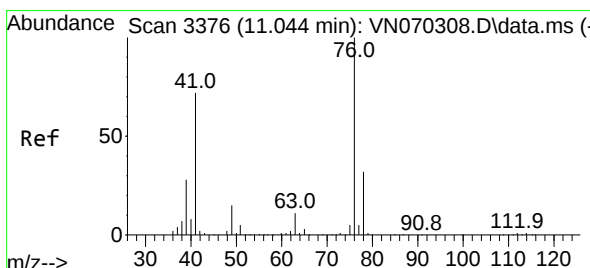
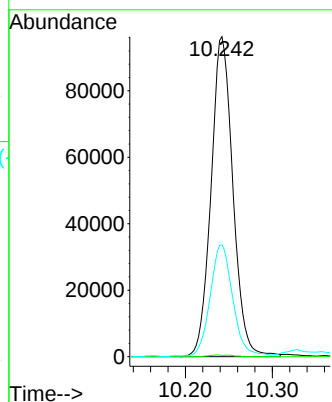
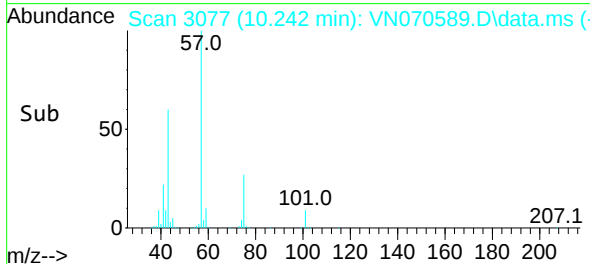


#54
 cis-1,3-Dichloropropene
 Concen: 9.796 ug/l
 RT: 10.242 min Scan# 3057
 Delta R.T. 0.054 min
 Lab File: VN070589.D
 Acq: 12 Jan 2022 16:26

Instrument :
 MSVOA_N
 ClientSampleId :

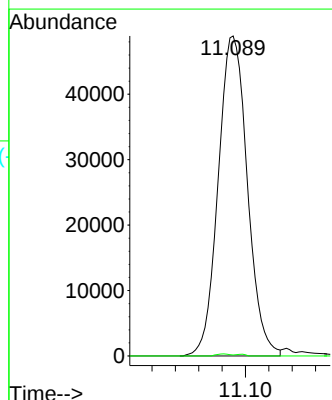
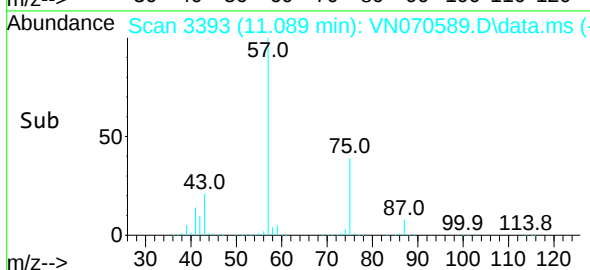
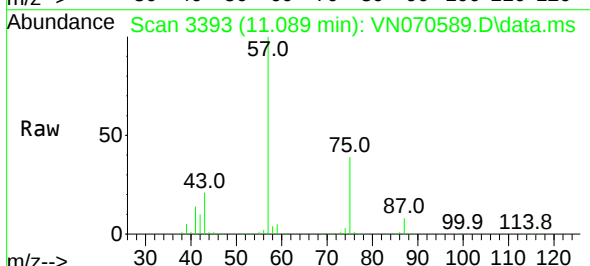


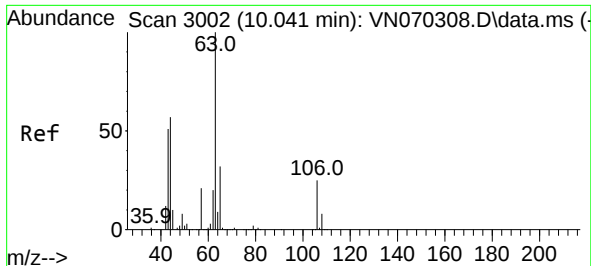
Tgt Ion: 75 Resp: 168252
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.4 39.6#
 39 34.7 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.535 ug/l
 RT: 11.089 min Scan# 3393
 Delta R.T. 0.045 min
 Lab File: VN070589.D
 Acq: 12 Jan 2022 16:26

Tgt Ion: 76 Resp: 84747
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

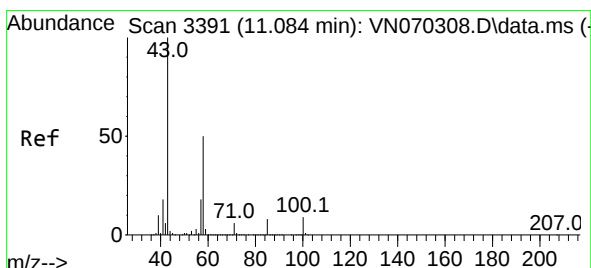
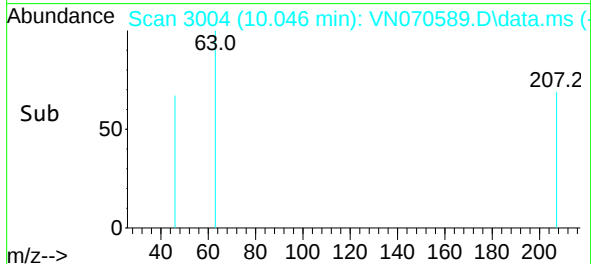
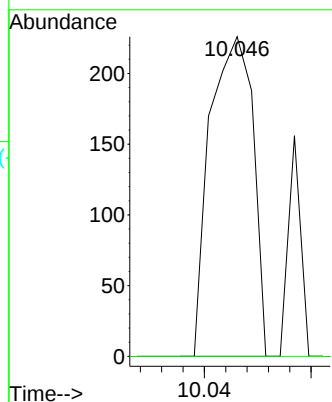
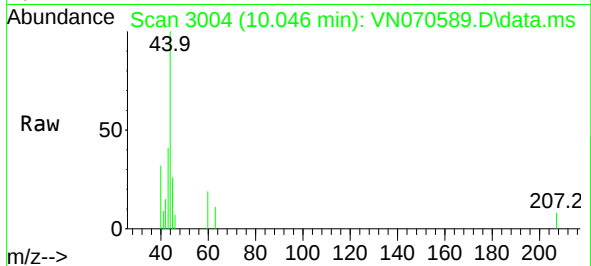




#58
2-Chloroethyl Vinyl ether
Concen: 18.539 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.005 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

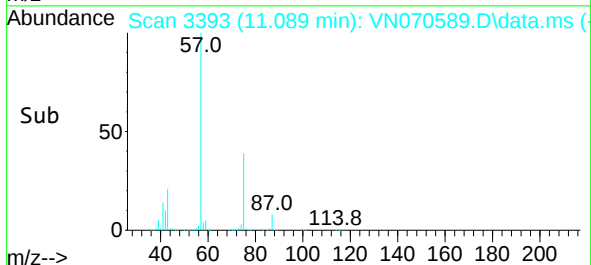
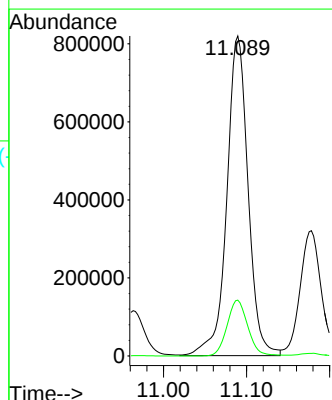
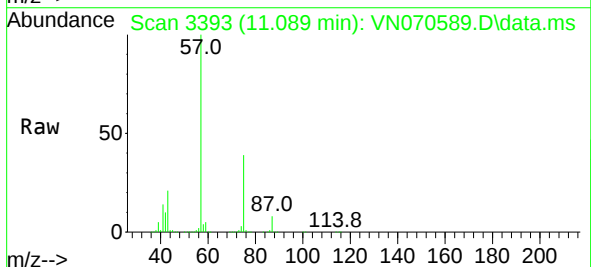
Instrument :
MSVOA_N
ClientSampleId :

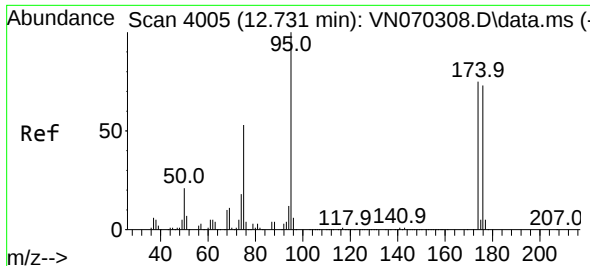
Tgt Ion: 63 Resp: 127
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 108.327 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion: 43 Resp: 1459863
Ion Ratio Lower Upper
43 100
58 17.1 26.9 80.7#

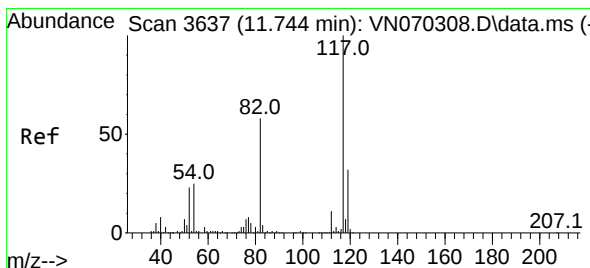
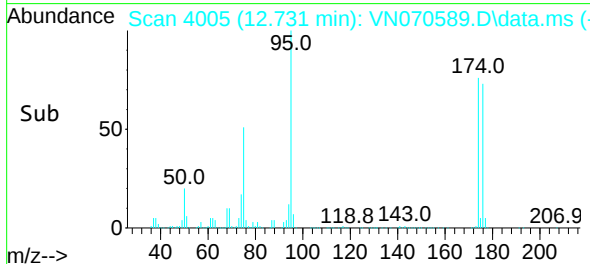
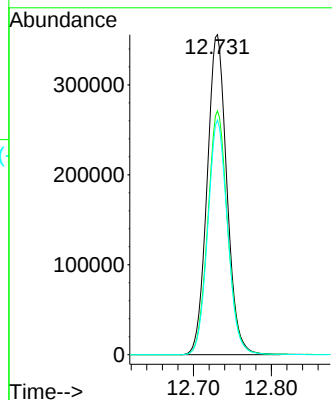
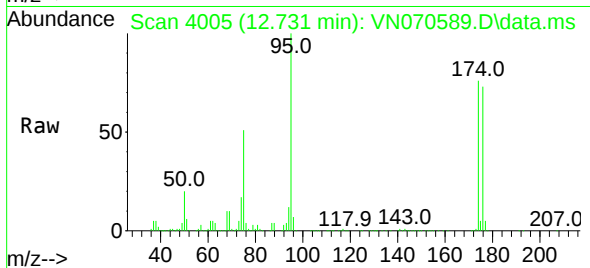




#62
4-Bromofluorobenzene
Concen: 48.885 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

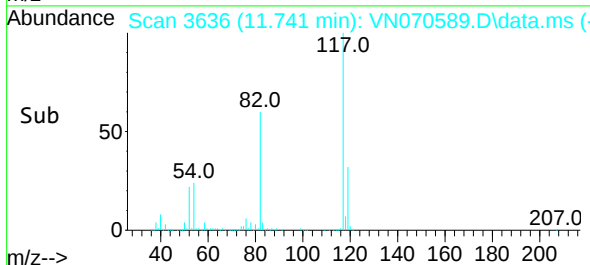
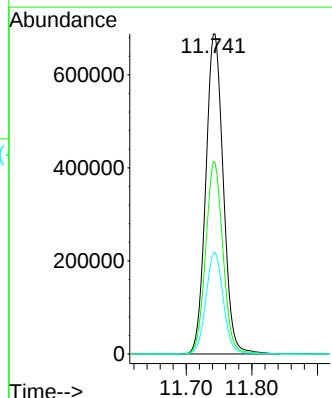
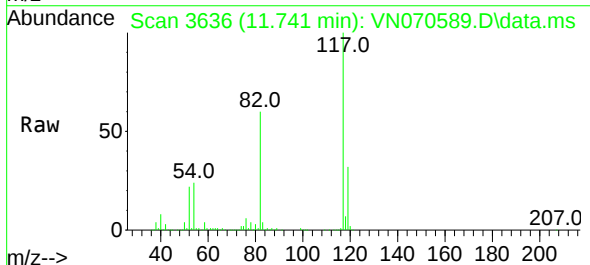
Instrument :
MSVOA_N
ClientSampleId :

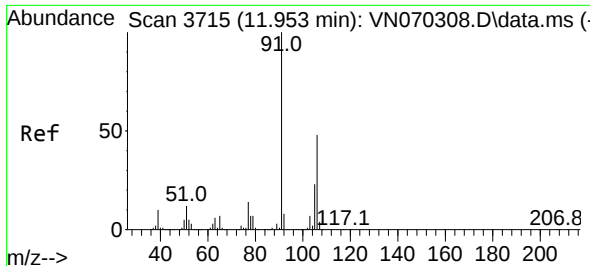
Tgt Ion: 95 Resp: 627456
Ion Ratio Lower Upper
95 100
174 76.6 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3636
Delta R.T. -0.003 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion: 117 Resp: 1273245
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.5 25.4 38.2

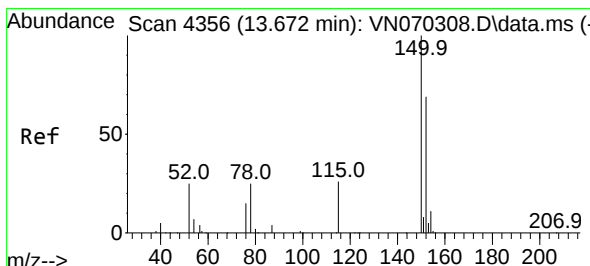
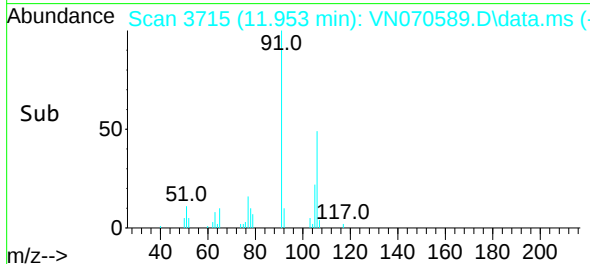
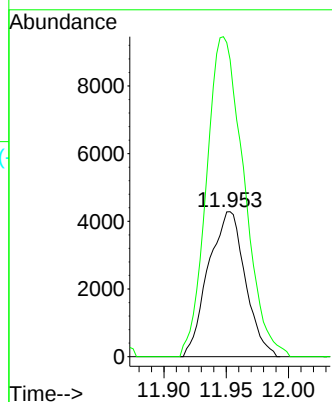
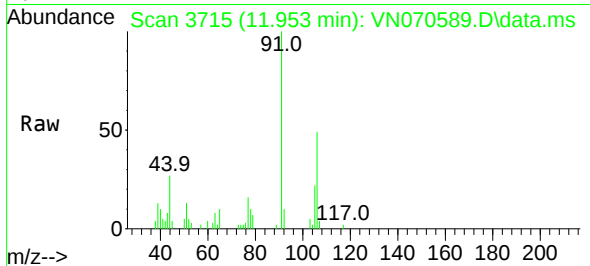




#68
m/p-Xylenes
Concen: 0.490 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

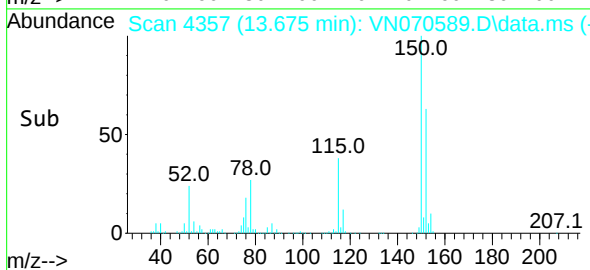
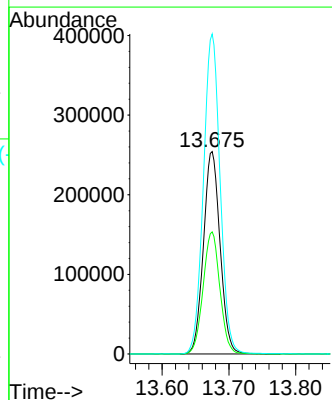
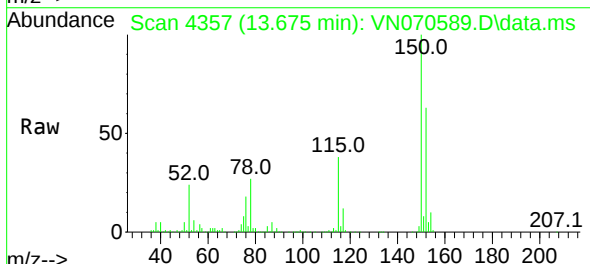
Instrument :
MSVOA_N
ClientSampleId :

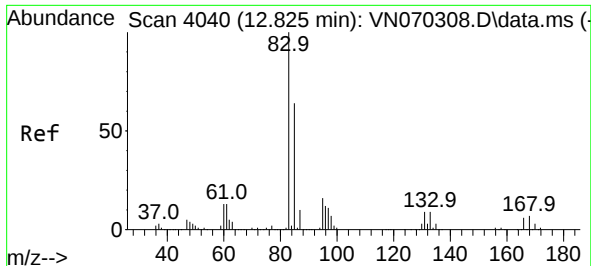
Tgt Ion:106 Resp: 8834
Ion Ratio Lower Upper
106 100
91 223.1 160.6 240.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

Tgt Ion:152 Resp: 439878
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.8 0.0 344.4

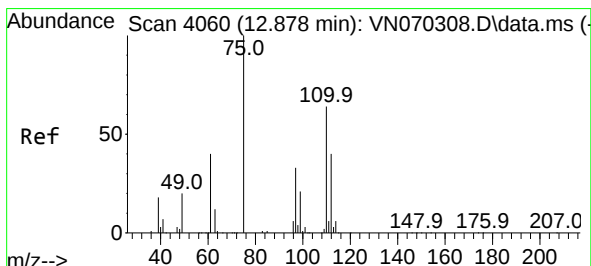
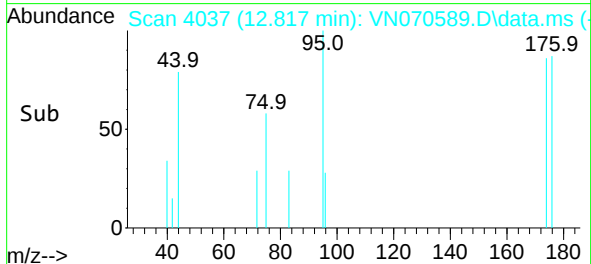
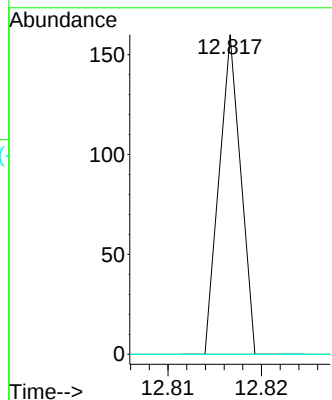
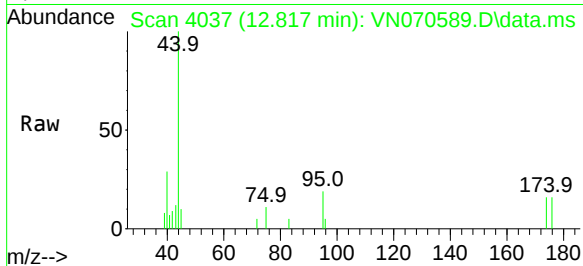




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.449 ug/l
 RT: 12.817 min Scan# 40
 Delta R.T. -0.008 min
 Lab File: VN070589.D
 Acq: 12 Jan 2022 16:26

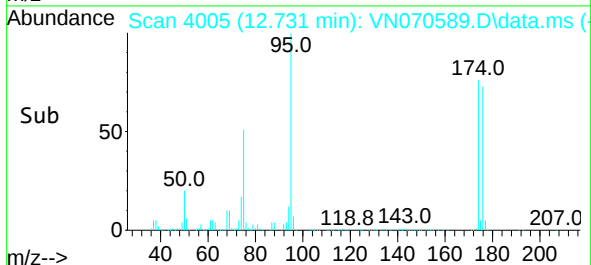
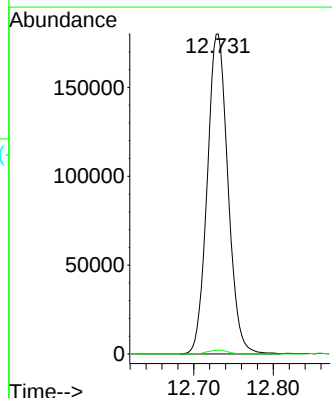
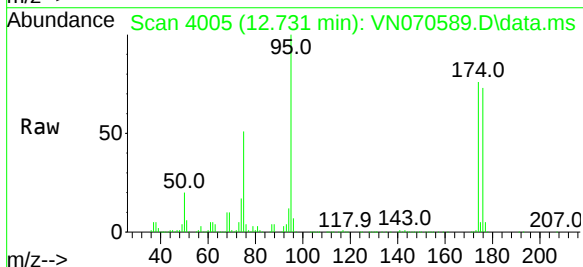
Instrument :
 MSVOA_N
 ClientSampleId :

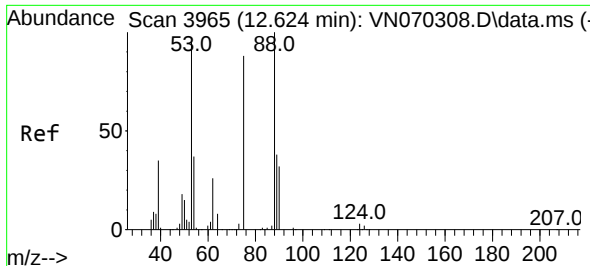
Tgt Ion: 83 Resp: 26
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#



#76
 1,2,3-Trichloropropane
 Concen: 26.354 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.147 min
 Lab File: VN070589.D
 Acq: 12 Jan 2022 16:26

Tgt Ion: 75 Resp: 325389
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

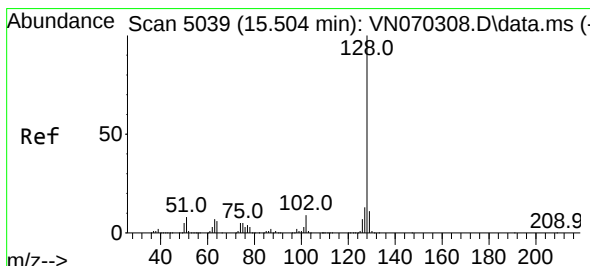
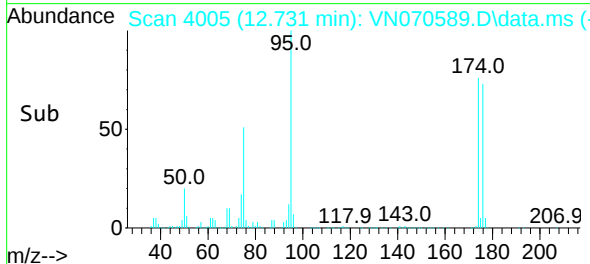
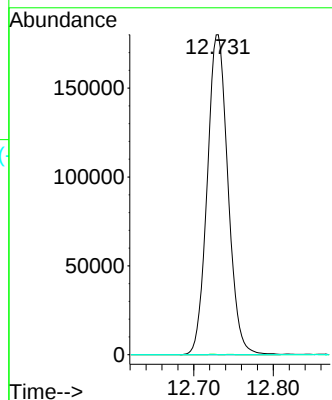
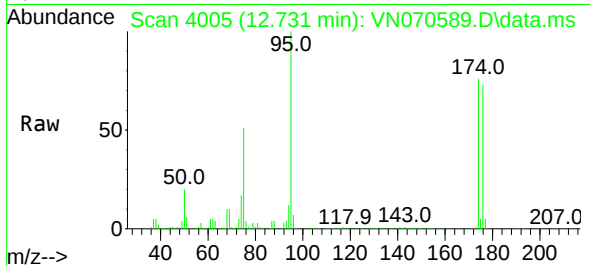




#81
trans-1,4-Dichloro-2-butene
Concen: 90.377 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

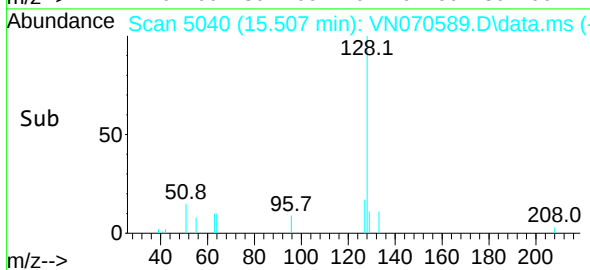
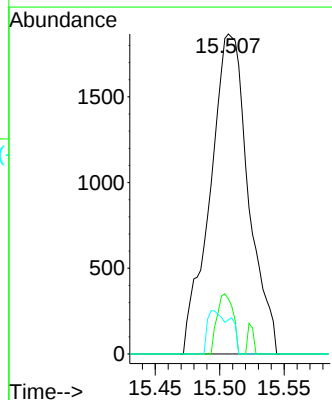
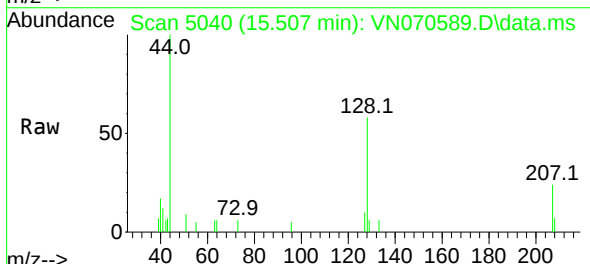
Instrument :
MSVOA_N
ClientSampleId :

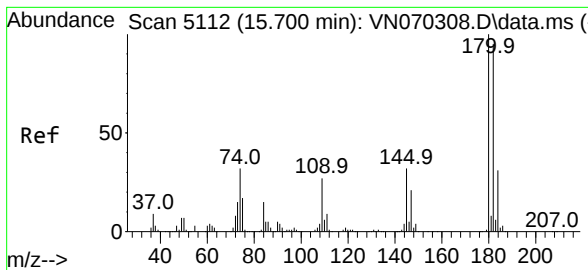
Tgt Ion: 75 Resp: 325389
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 1.983 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070589.D
Acq: 12 Jan 2022 16:26

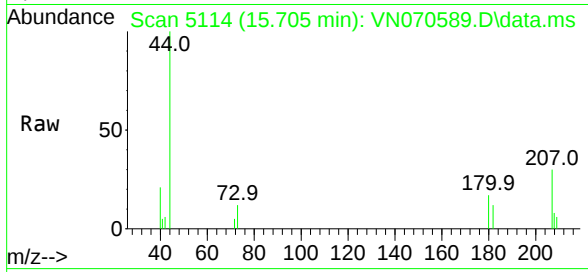
Tgt Ion: 128 Resp: 3860
Ion Ratio Lower Upper
128 100
127 7.8 10.5 15.7#
129 5.6 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.897 ug/l
 RT: 15.705 min Scan# 51
 Delta R.T. 0.005 min
 Lab File: VN070589.D
 Acq: 12 Jan 2022 16:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 501
 Ion Ratio Lower Upper
 180 100
 182 167.7 47.4 142.2#
 145 0.0 15.0 45.1#

