

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122821\
 Data File : VN070329.D
 Acq On : 28 Dec 2021 17:03
 Operator : JC/MD
 Sample : M5188-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 28 17:27:14 2021
 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)

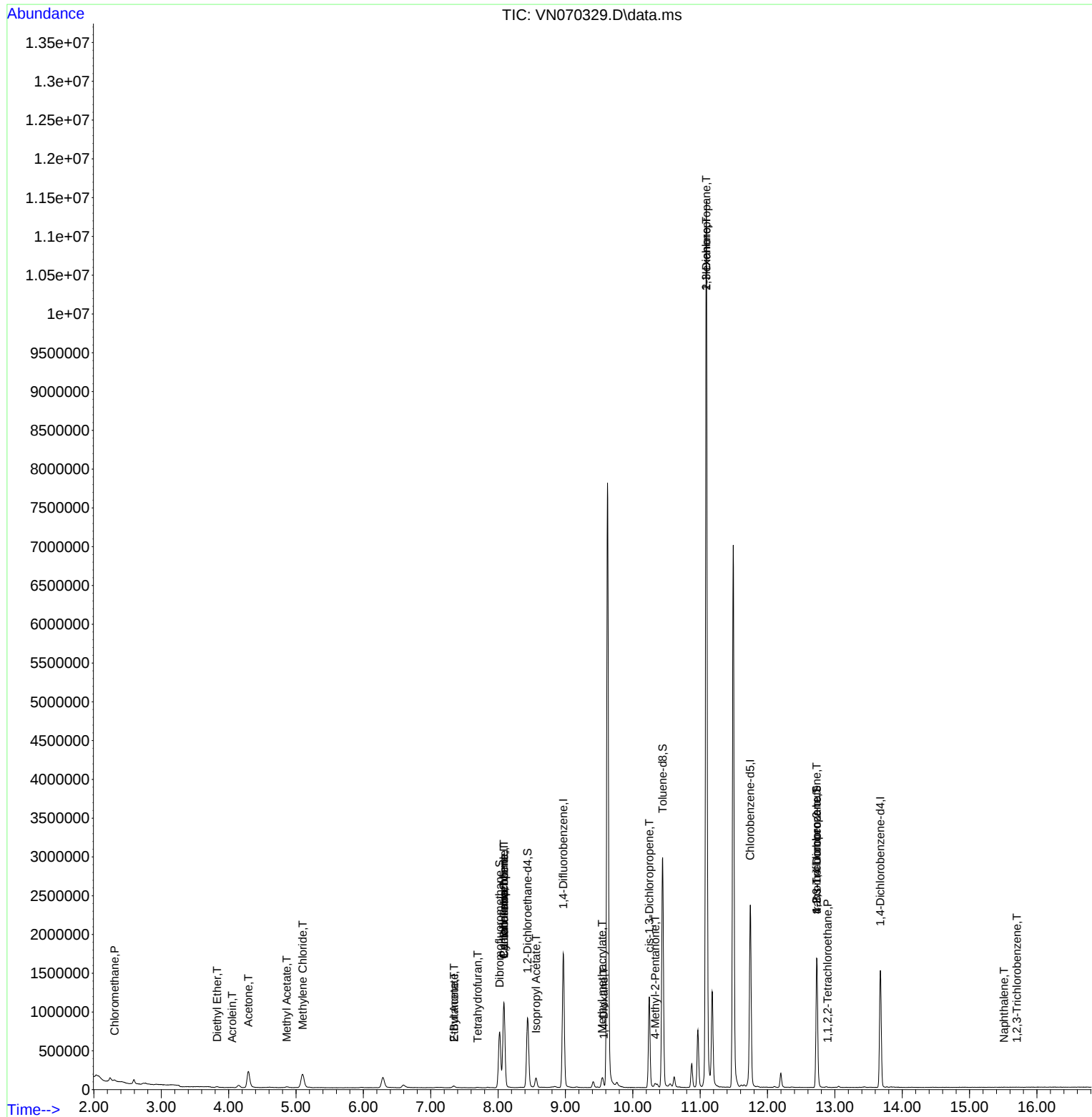
Internal Standards						
1) Pentafluorobenzene	8.086	168	842523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1466509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1327672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	425524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	765045	63.154	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 126.300%	
35) Dibromofluoromethane	8.024	113	535515	60.353	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 120.700%	
50) Toluene-d8	10.443	98	2025634	55.883	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 111.760%	
62) 4-Bromofluorobenzene	12.731	95	604011	46.136	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 92.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	3607	0.278	ug/l	99
8) Diethyl Ether	3.829	74	5228	0.833	ug/l	75
13) Acrolein	4.052	56	1560	0.953	ug/l #	50
16) Acetone	4.293	43	399831	50.845	ug/l	99
18) Methyl Acetate	4.865	43	22207	0.976	ug/l #	67
20) Methylene Chloride	5.098	84	132184	12.149	ug/l #	85
25) 2-Butanone	7.345	43	31456	3.177	ug/l	94
29) Tetrahydrofuran	7.697	42	2242	0.380	ug/l #	87
31) Cyclohexane	8.086	56	18989	0.993	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	68472	4.665	ug/l #	49
37) Ethyl Acetate	7.345	43	31456	1.653	ug/l #	69
38) Carbon Tetrachloride	8.088	117	82756	5.904	ug/l #	17
43) Isopropyl Acetate	8.563	43	145061	4.836	ug/l #	86
48) Methyl methacrylate	9.545	41	39171	2.738	ug/l #	8
49) 1,4-Dioxane	9.571	88	123	0.587	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	28038	1.487	ug/l	90
54) cis-1,3-Dichloropropene	10.245	75	190673	10.884	ug/l #	67
57) 1,3-Dichloropropane	11.089	76	115397	6.054	ug/l #	43
59) 2-Hexanone	11.092	43	1981279	144.138	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.892	83	24	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	316938	26.517	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	316938	91.000	ug/l #	5
95) Naphthalene	15.512	128	2862	1.939	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.702	180	569	0.909	ug/l #	56

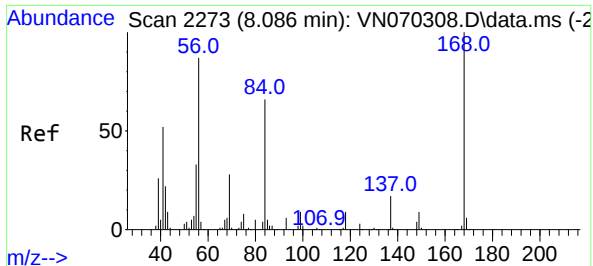
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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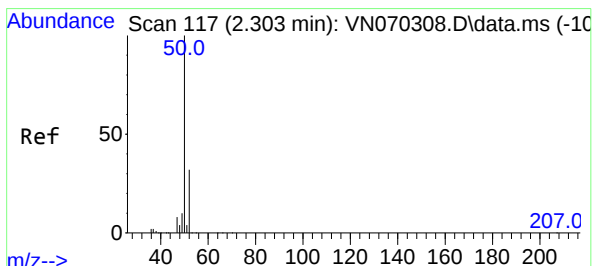
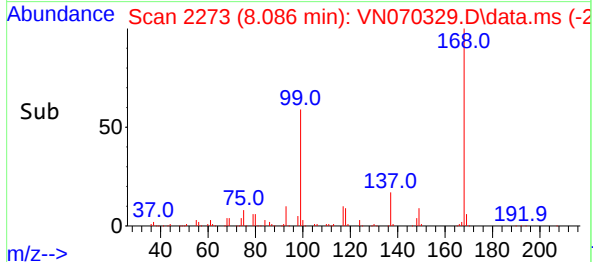
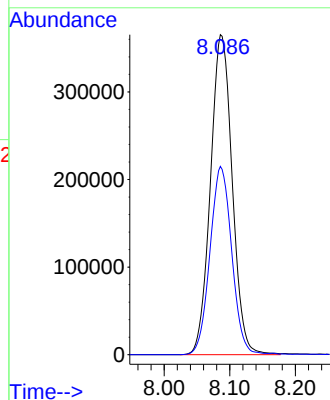
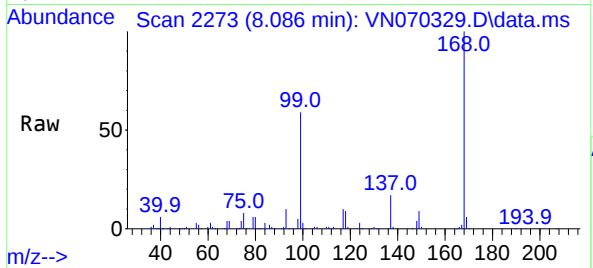




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

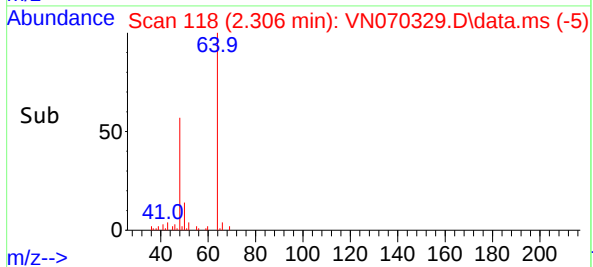
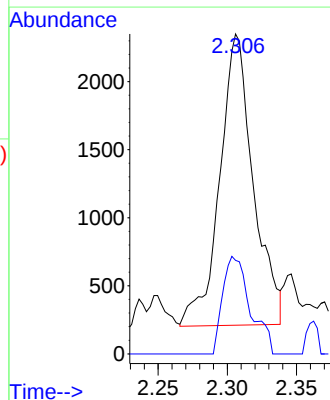
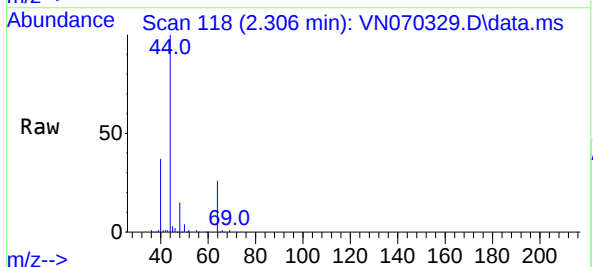
Instrument :
MSVOA_N
ClientSampleId :

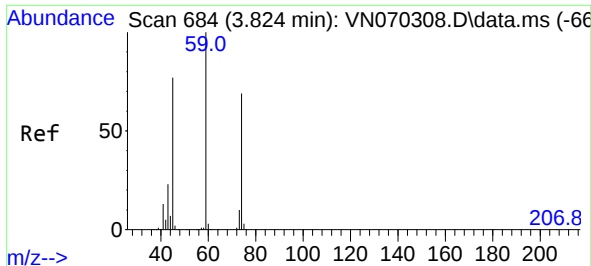
Tgt Ion:168 Resp: 842523
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#3
Chloromethane
Concen: 0.278 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 50 Resp: 3607
Ion Ratio Lower Upper
50 100
52 32.2 25.4 38.0

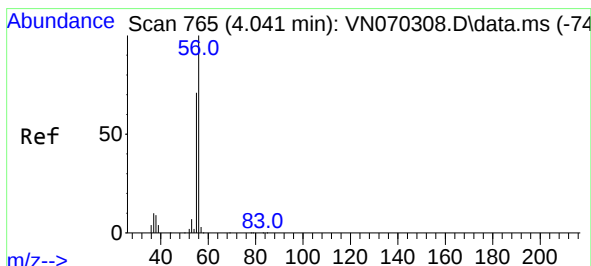
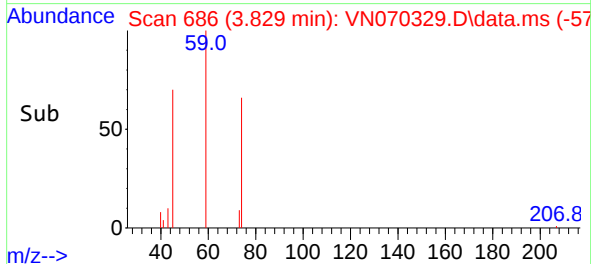
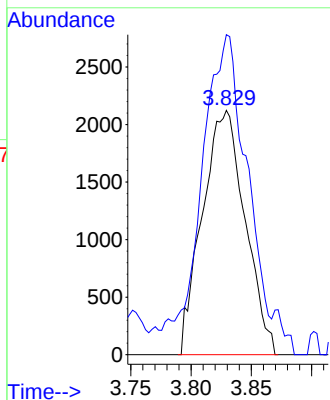
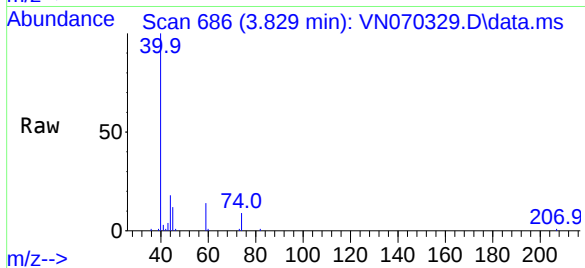




#8
Diethyl Ether
Concen: 0.833 ug/l
RT: 3.829 min Scan# 61
Delta R.T. 0.005 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

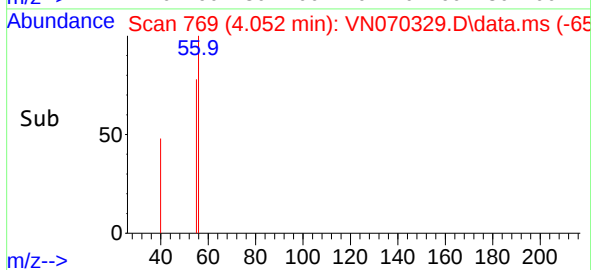
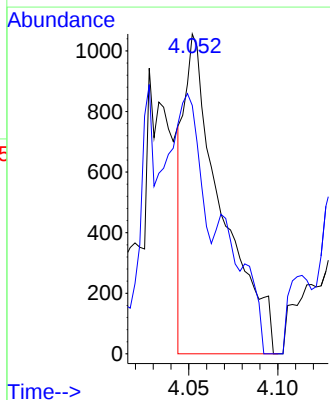
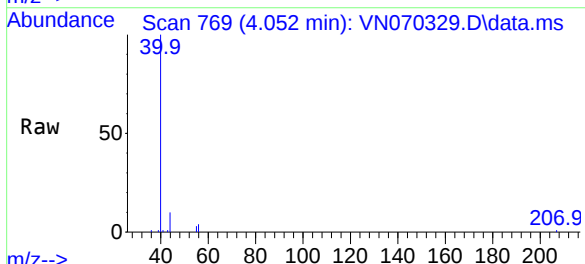
Instrument :
MSVOA_N
ClientSampleId :

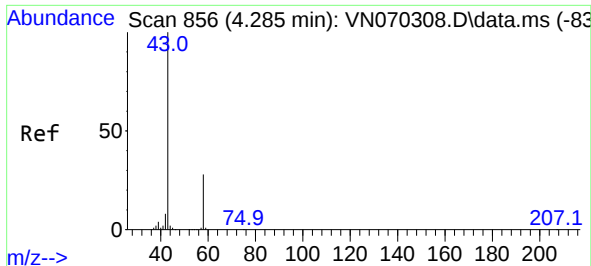
Tgt Ion: 74 Resp: 5228
Ion Ratio Lower Upper
74 100
45 117.8 47.0 141.2



#13
Acrolein
Concen: 0.953 ug/l
RT: 4.052 min Scan# 769
Delta R.T. 0.011 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 56 Resp: 1560
Ion Ratio Lower Upper
56 100
55 29.4 56.6 85.0#

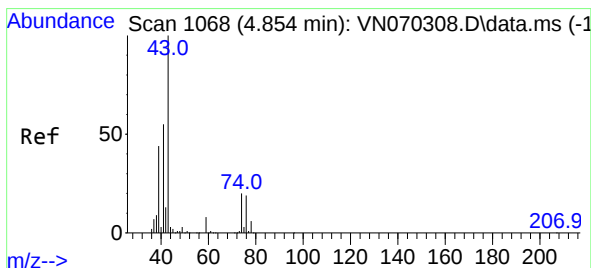
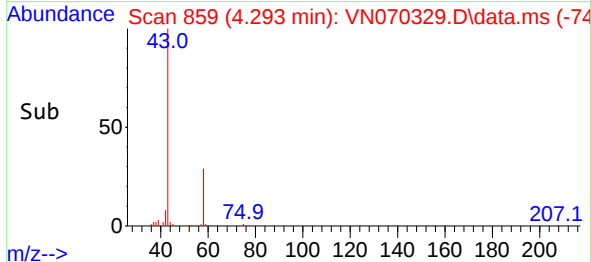
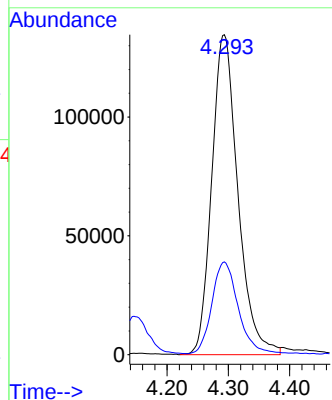
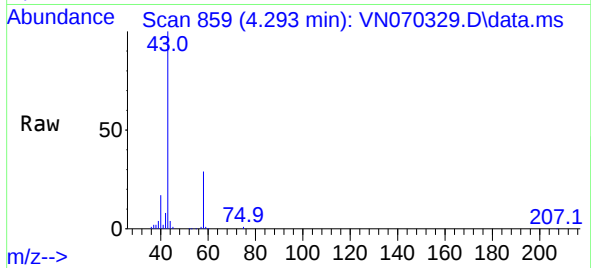




#16
Acetone
Concen: 50.845 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.008 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

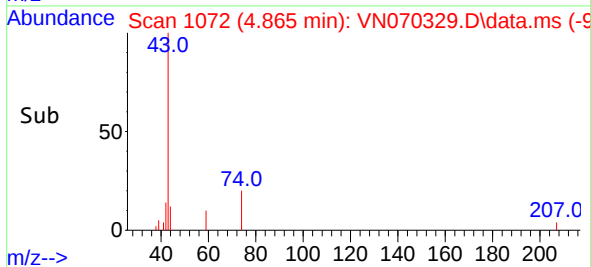
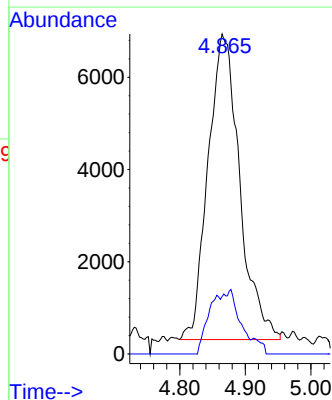
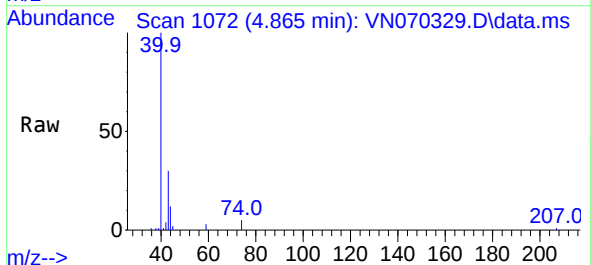
Instrument :
MSVOA_N
ClientSampleId :

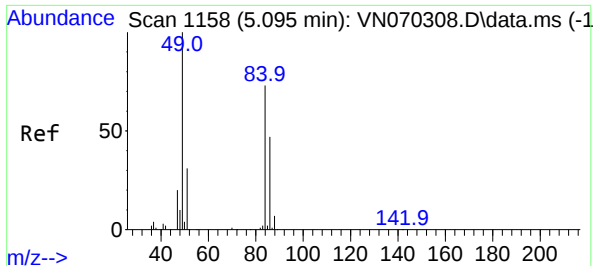
Tgt Ion: 43 Resp: 399831
Ion Ratio Lower Upper
43 100
58 28.5 23.1 34.7



#18
Methyl Acetate
Concen: 0.976 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

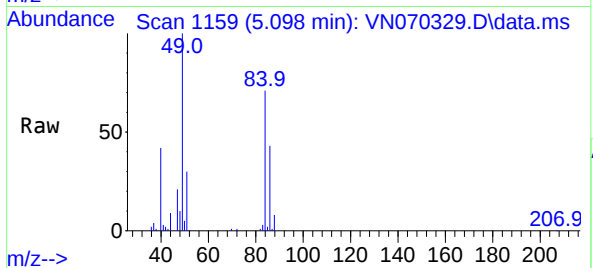
Tgt Ion: 43 Resp: 22207
Ion Ratio Lower Upper
43 100
74 8.1 19.4 29.2#



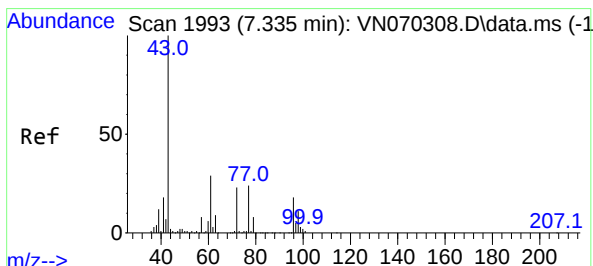
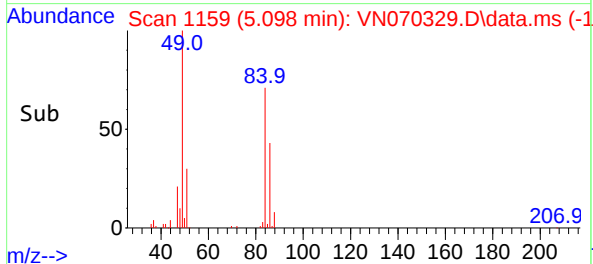
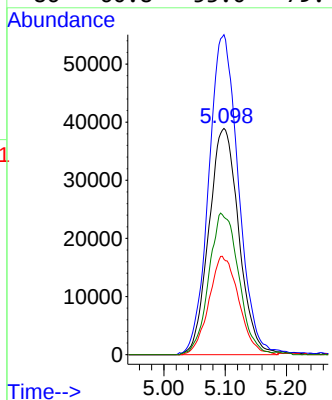


#20
Methylene Chloride
Concen: 12.149 ug/l
RT: 5.098 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

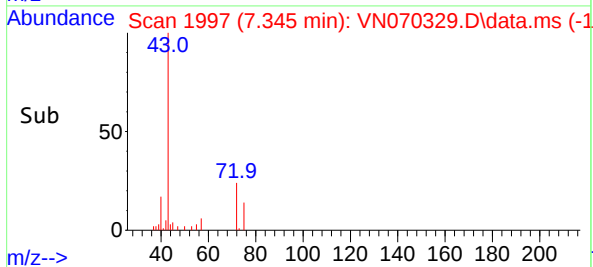
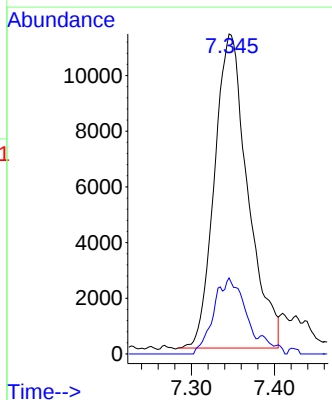
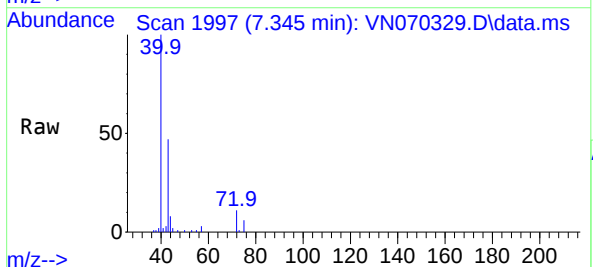


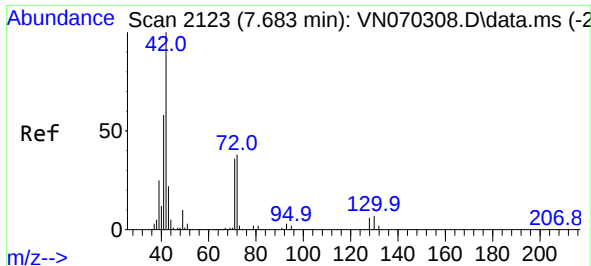
Tgt Ion: 84 Resp: 132184
Ion Ratio Lower Upper
84 100
49 141.0 93.5 140.3#
51 42.1 29.4 44.2
86 60.8 53.0 79.4



#25
2-Butanone
Concen: 3.177 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

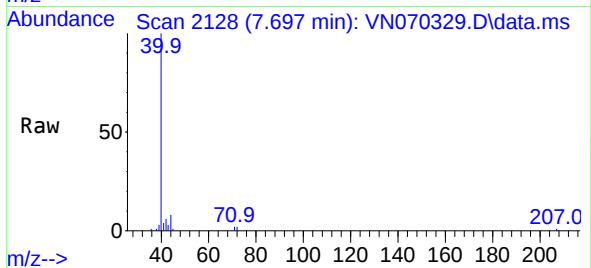
Tgt Ion: 43 Resp: 31456
Ion Ratio Lower Upper
43 100
72 24.2 21.7 32.5



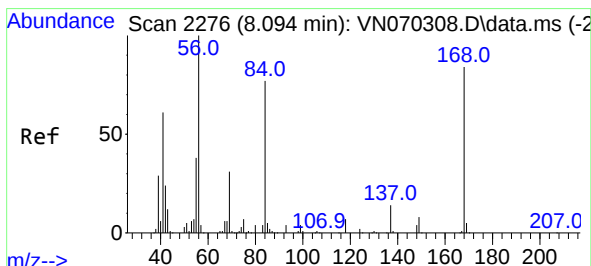
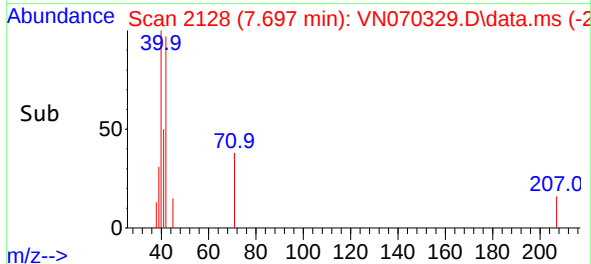
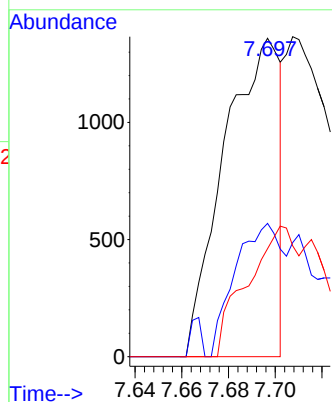


#29
Tetrahydrofuran
Concen: 0.380 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.014 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

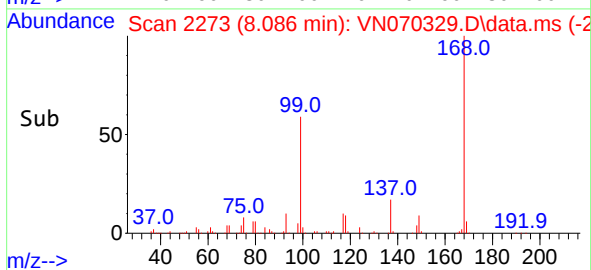
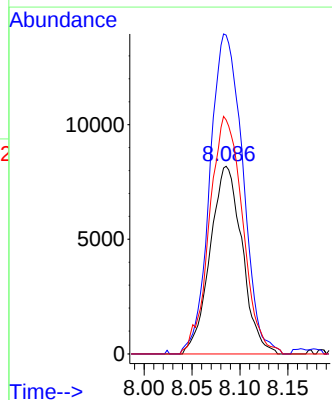
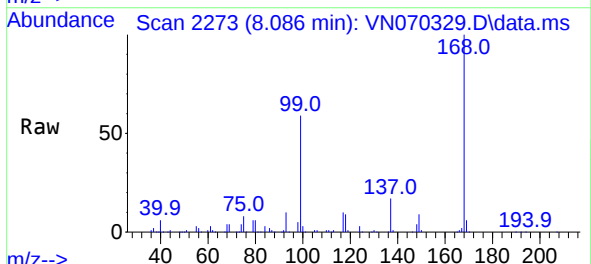


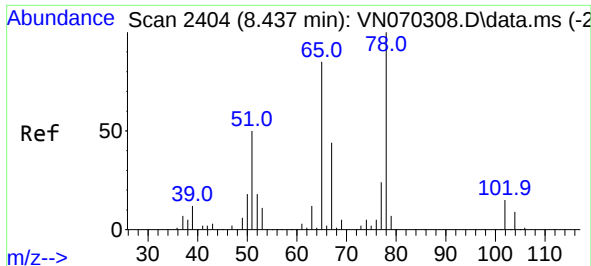
Tgt Ion: 42 Resp: 2242
Ion Ratio Lower Upper
42 100
72 36.3 36.3 54.5#
71 36.3 34.7 52.1



#31
Cyclohexane
Concen: 0.993 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 56 Resp: 18989
Ion Ratio Lower Upper
56 100
69 169.9 27.1 40.7#
84 124.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 63.154 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070329.D

Acq: 28 Dec 2021 17:03

Instrument :

MSVOA_N

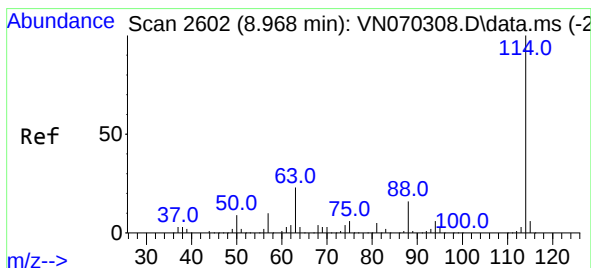
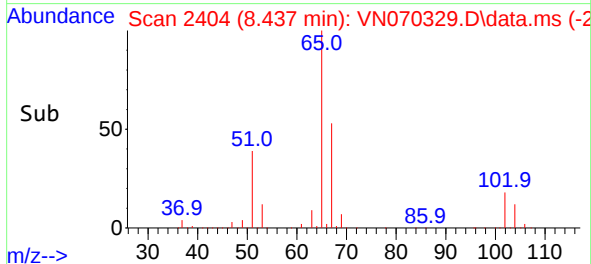
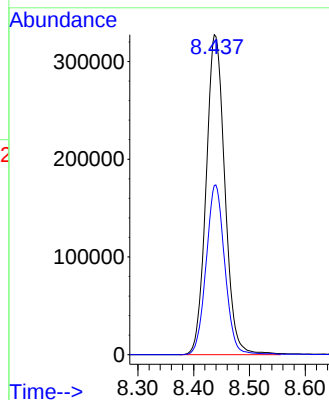
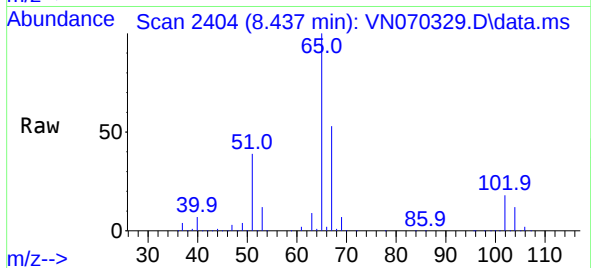
ClientSampleId :

Tgt Ion: 65 Resp: 765045

Ion Ratio Lower Upper

65 100

67 52.6 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: VN070329.D

Acq: 28 Dec 2021 17:03

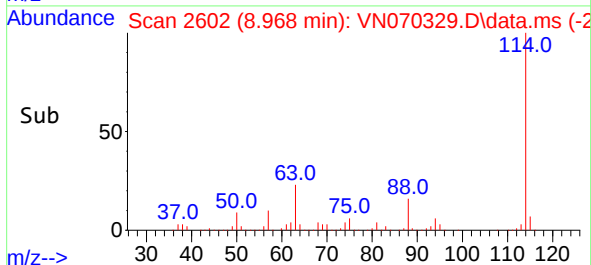
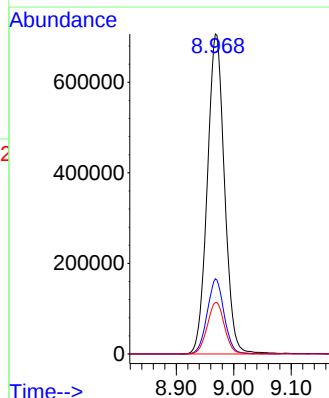
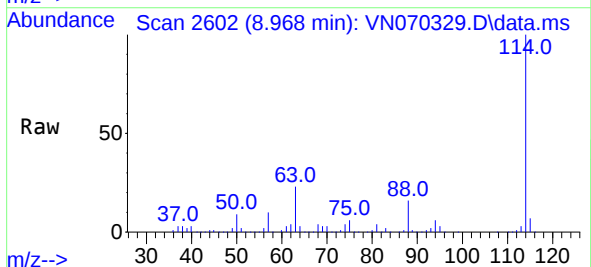
Tgt Ion: 114 Resp: 1466509

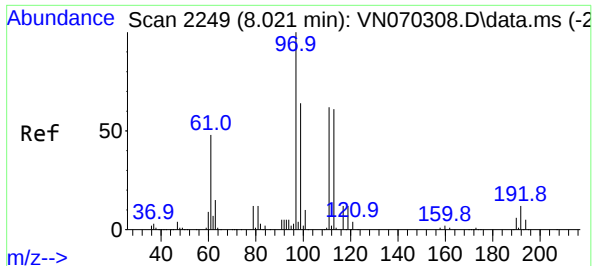
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

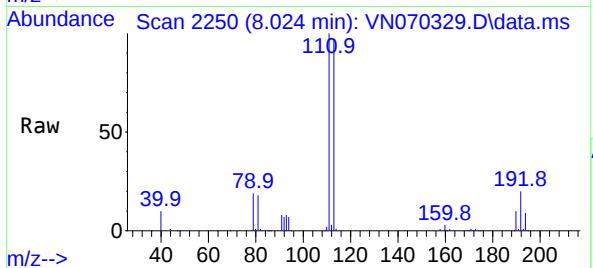
88 16.1 0.0 27.4



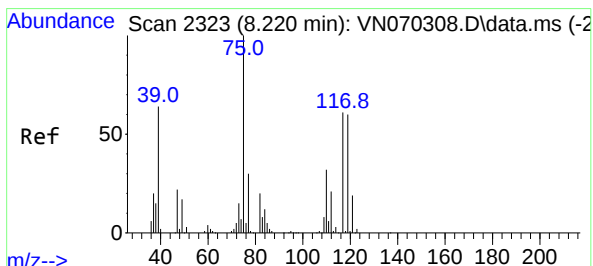
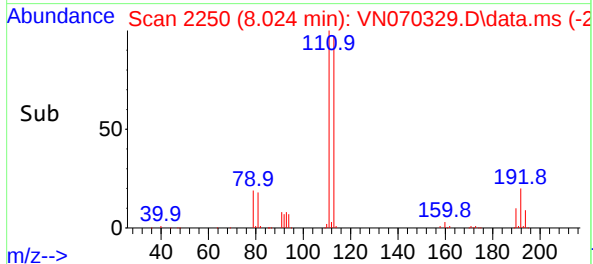
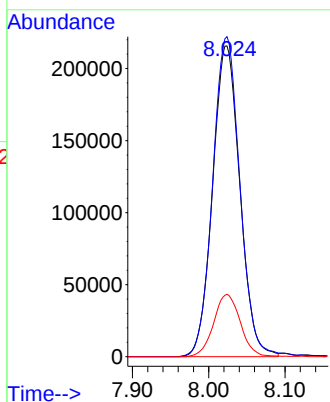


#35
Dibromofluoromethane
Concen: 60.353 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

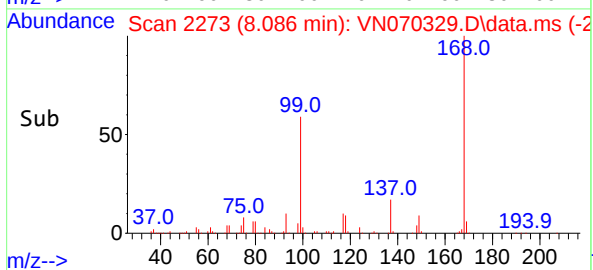
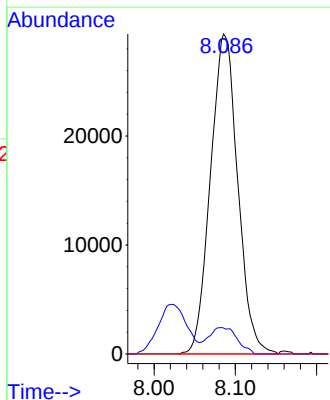
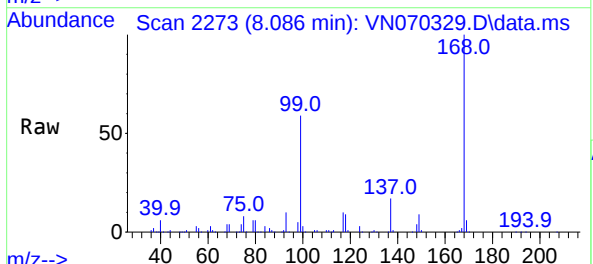


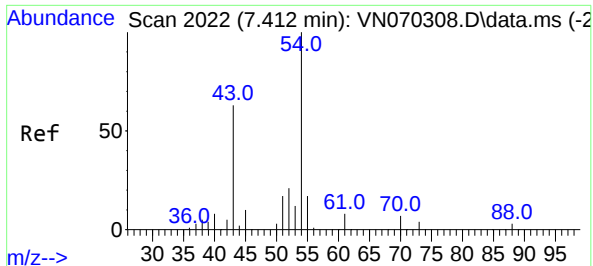
Tgt Ion:113 Resp: 535515
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.134 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 75 Resp: 68472
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.653 ug/l

RT: 7.345 min Scan# 19

Delta R.T. -0.067 min

Lab File: VN070329.D

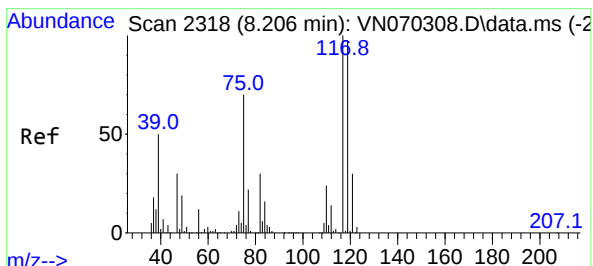
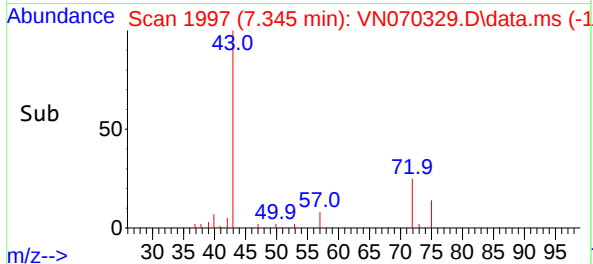
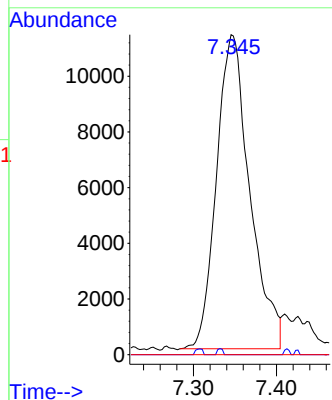
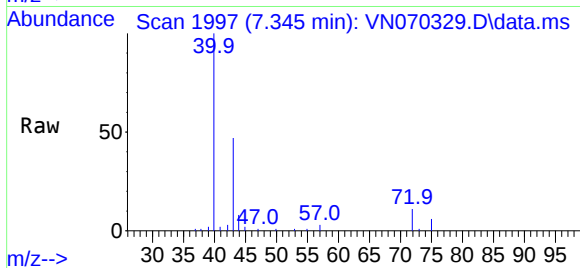
Acq: 28 Dec 2021 17:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	31456
Ion	Ratio	Lower	Upper
43	100		
61	0.3	11.5	17.3#
70	0.0	7.9	11.9#



#38

Carbon Tetrachloride

Concen: 5.904 ug/l

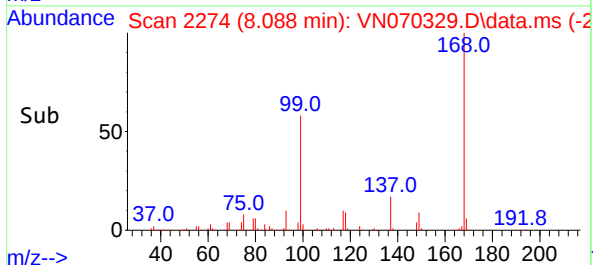
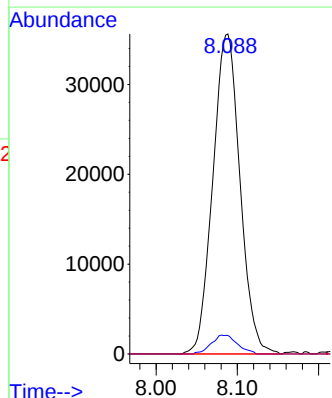
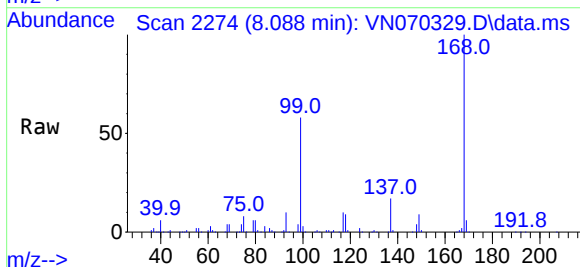
RT: 8.088 min Scan# 2274

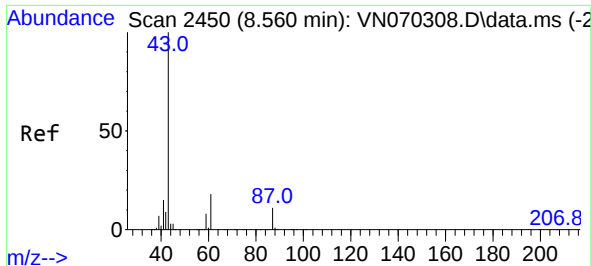
Delta R.T. -0.118 min

Lab File: VN070329.D

Acq: 28 Dec 2021 17:03

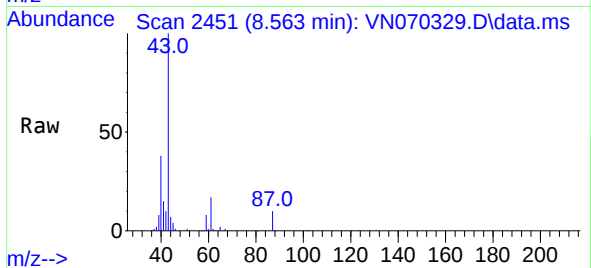
Tgt Ion:	117	Resp:	82756
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.1	114.1#
121	0.0	24.2	36.2#



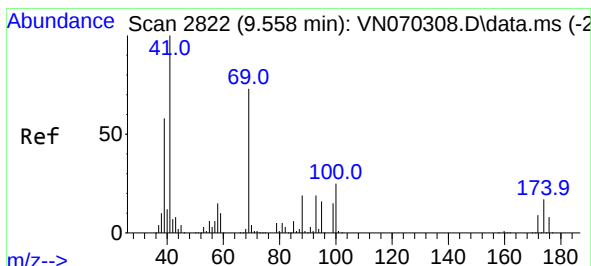
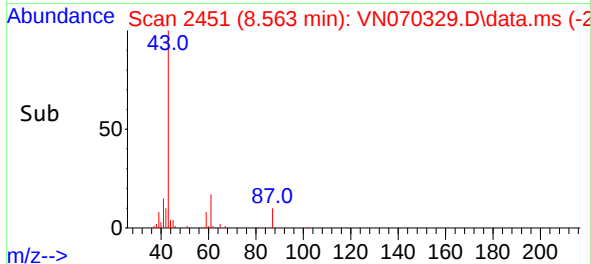
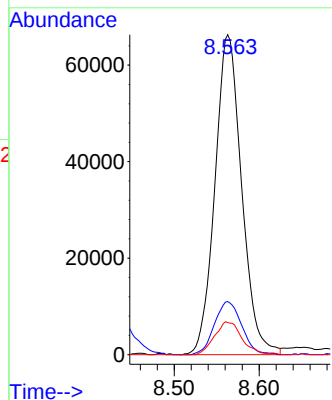


#43
Isopropyl Acetate
Concen: 4.836 ug/l
RT: 8.563 min Scan# 2450
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

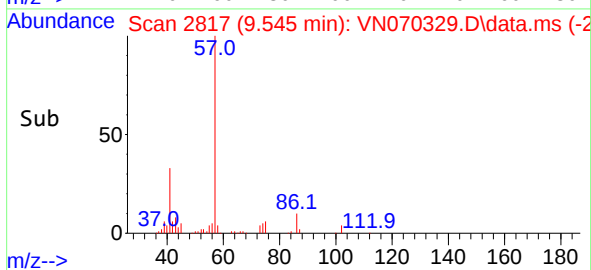
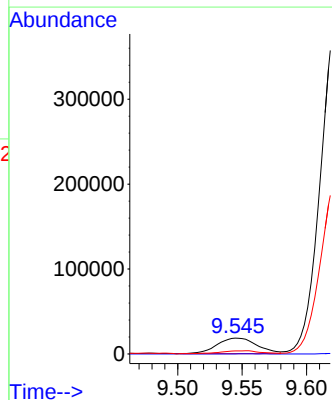
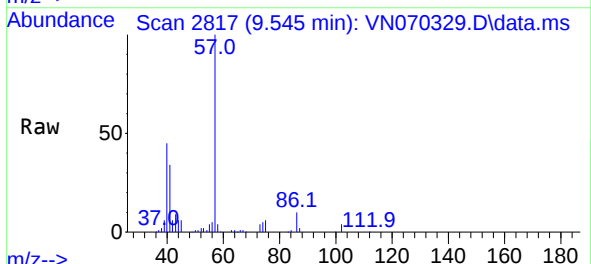


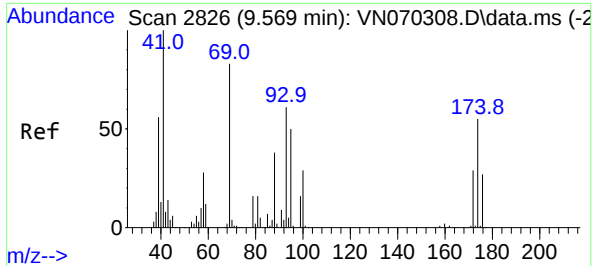
Tgt Ion: 43 Resp: 145061
Ion Ratio Lower Upper
43 100
61 16.9 20.4 30.6#
87 10.4 11.2 16.8#



#48
Methyl methacrylate
Concen: 2.738 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.013 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

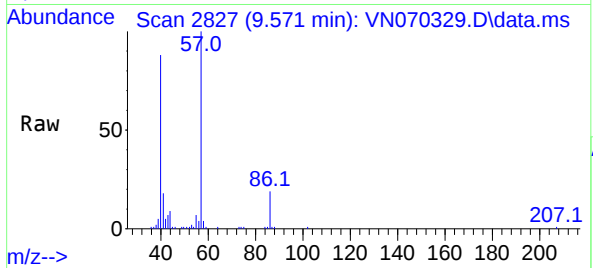
Tgt Ion: 41 Resp: 39171
Ion Ratio Lower Upper
41 100
69 0.4 72.4 108.6#
39 0.0 58.4 87.6#



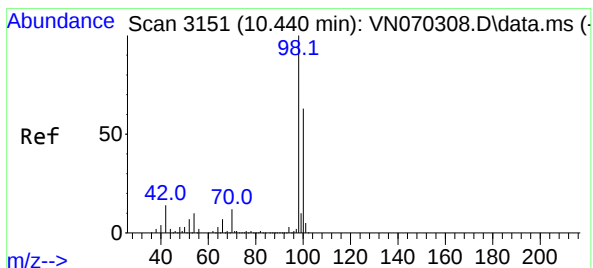
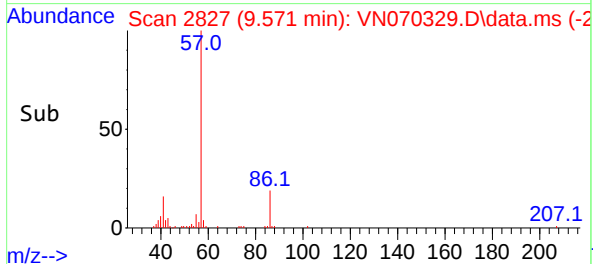
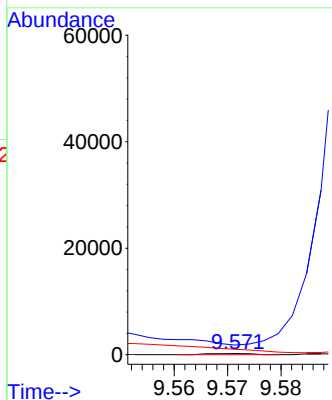


#49
1,4-Dioxane
Concen: 0.587 ug/l
RT: 9.571 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

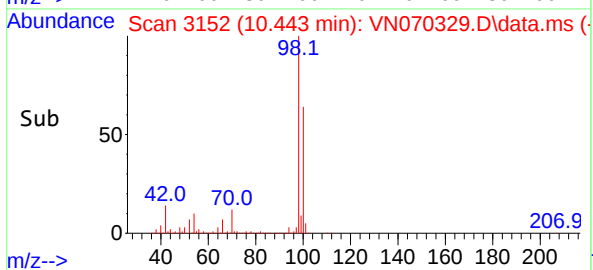
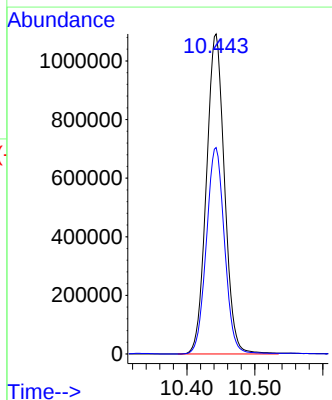
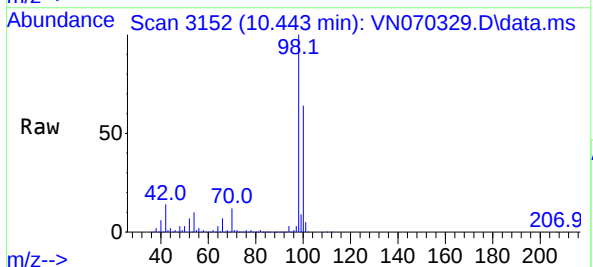


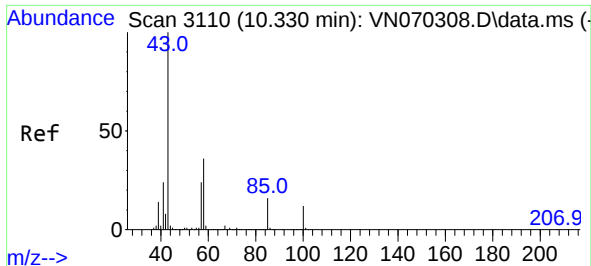
Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 55.883 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 98 Resp: 2025634
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

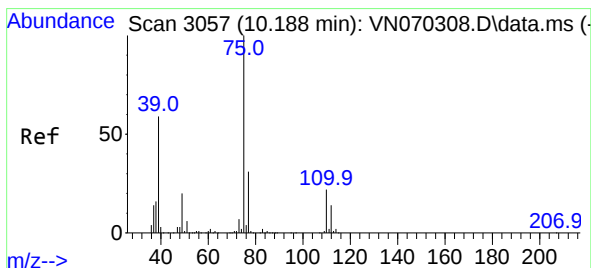
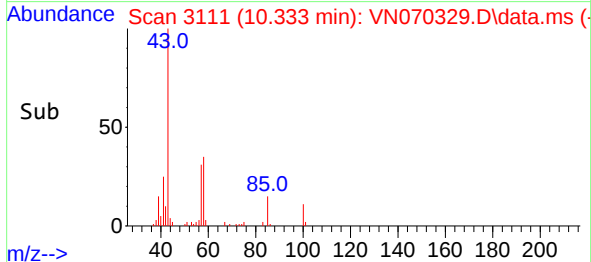
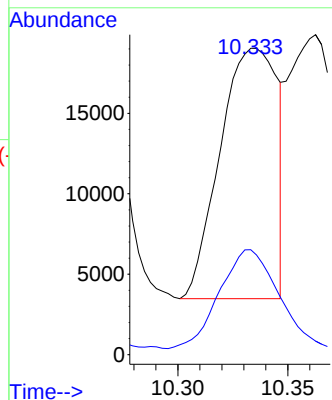
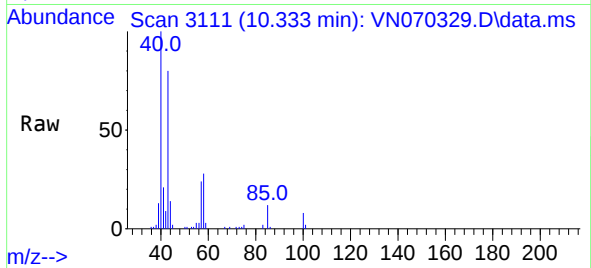




#51
4-Methyl-2-Pentanone
Concen: 1.487 ug/l
RT: 10.333 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

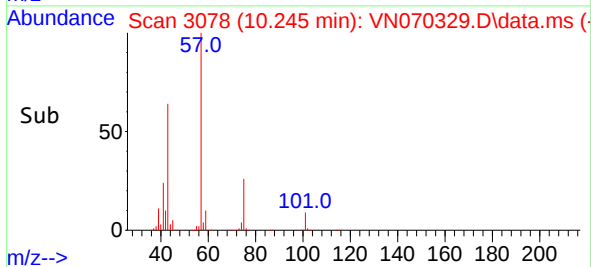
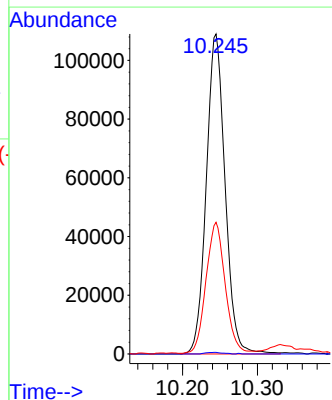
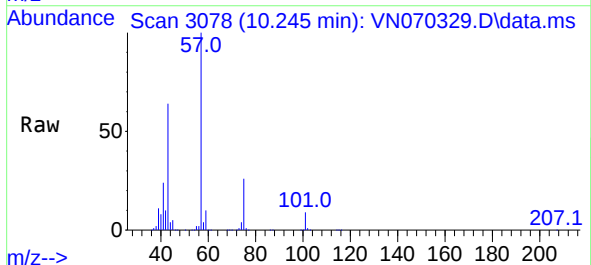
Instrument :
MSVOA_N
ClientSampleId :

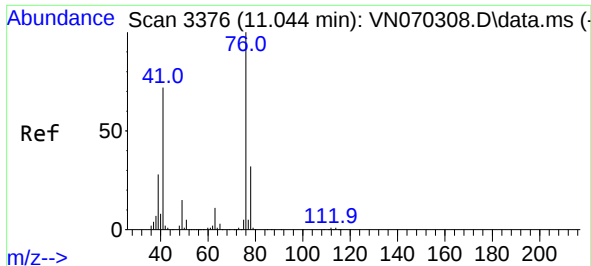
Tgt Ion: 43 Resp: 28038
Ion Ratio Lower Upper
43 100
58 44.3 30.4 45.6



#54
cis-1,3-Dichloropropene
Concen: 10.884 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.057 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 75 Resp: 190673
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 41.0 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 6.054 ug/l

RT: 11.089 min Scan# 31

Delta R.T. 0.045 min

Lab File: VN070329.D

Acq: 28 Dec 2021 17:03

Instrument :

MSVOA_N

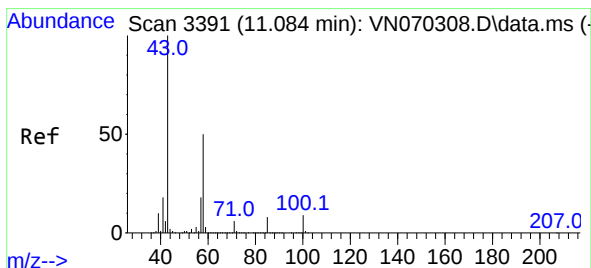
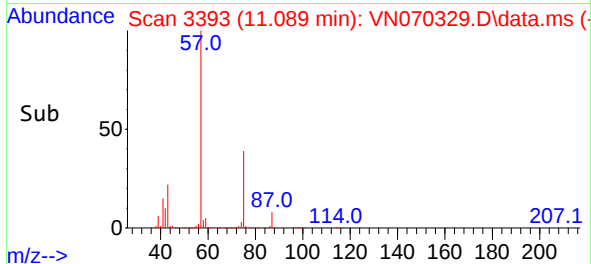
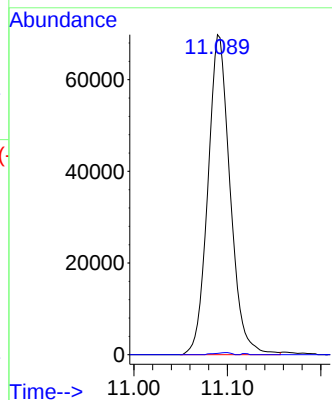
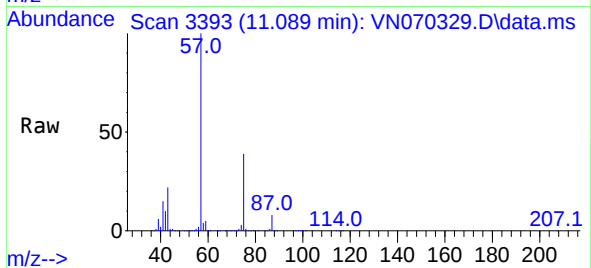
ClientSampleId :

Tgt Ion: 76 Resp: 115397

Ion Ratio Lower Upper

76 100

78 0.5 25.7 38.5#



#59

2-Hexanone

Concen: 144.138 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.008 min

Lab File: VN070329.D

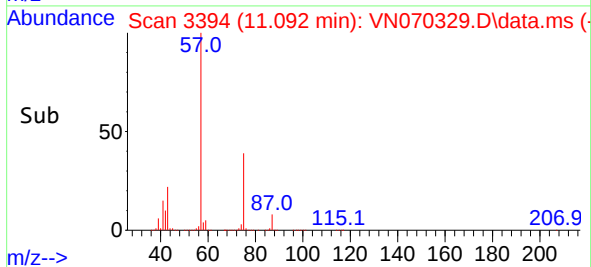
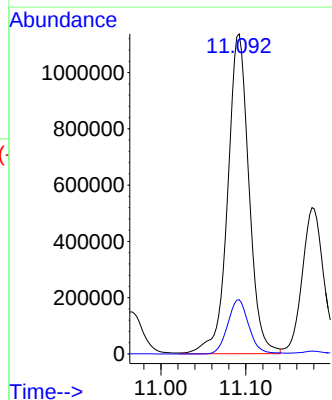
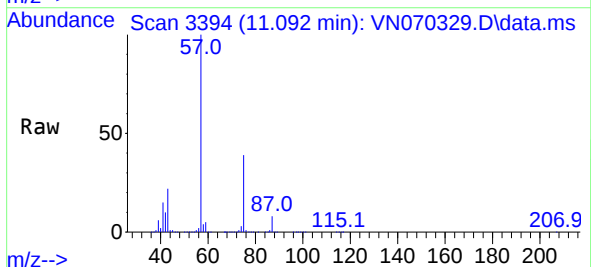
Acq: 28 Dec 2021 17:03

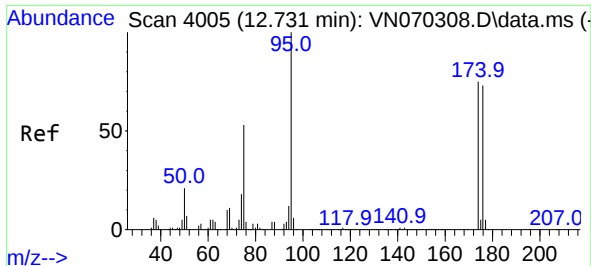
Tgt Ion: 43 Resp: 1981279

Ion Ratio Lower Upper

43 100

58 16.9 26.9 80.7#

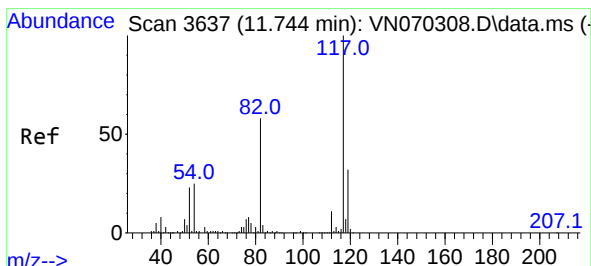
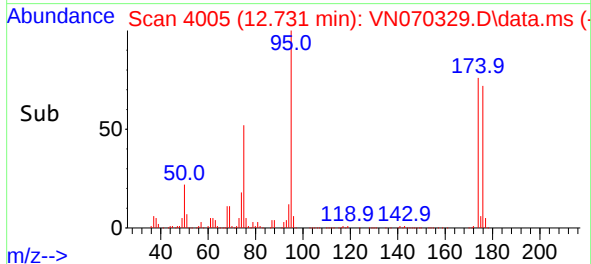
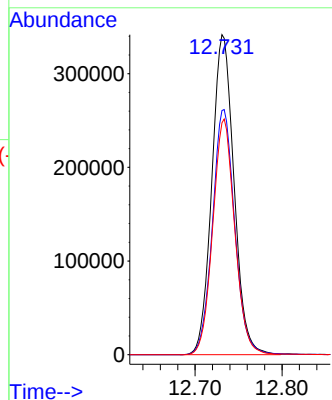
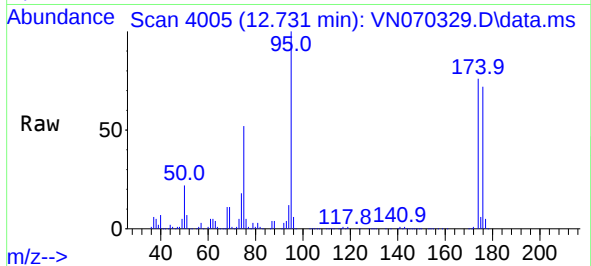




#62
4-Bromofluorobenzene
Concen: 46.136 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

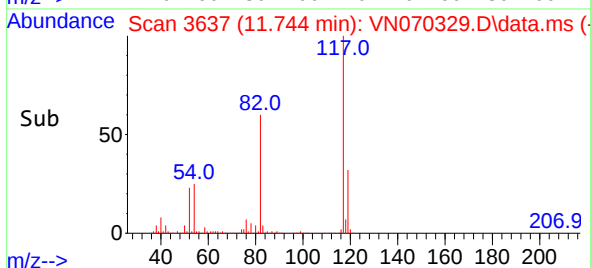
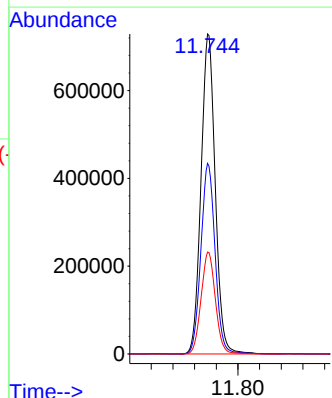
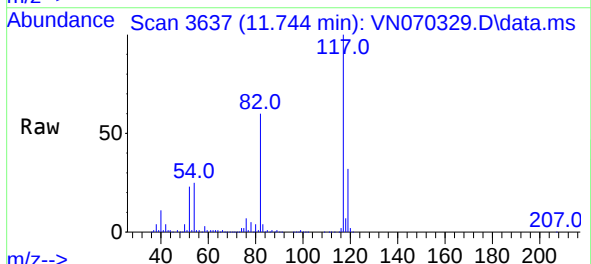
Instrument :
MSVOA_N
ClientSampleId :

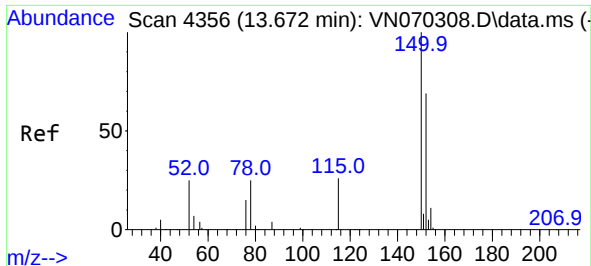
Tgt Ion: 95 Resp: 604011
Ion Ratio Lower Upper
95 100
174 77.1 0.0 187.2
176 73.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

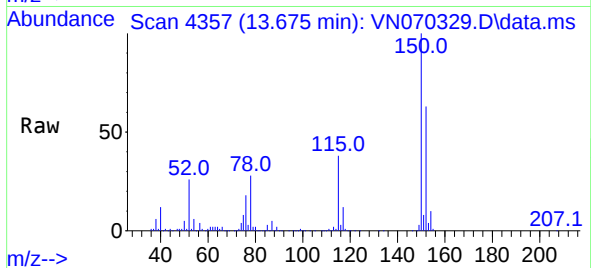
Tgt Ion: 117 Resp: 1327672
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.8 25.4 38.2



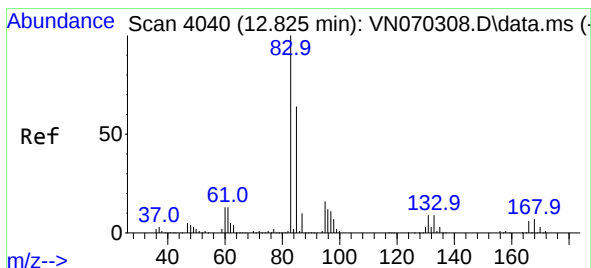
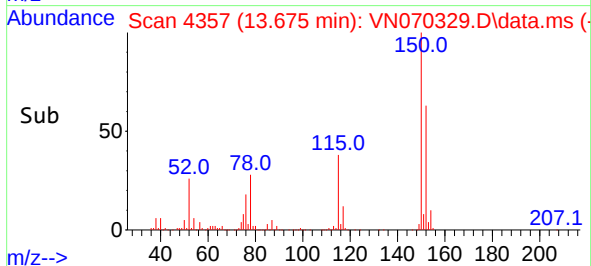
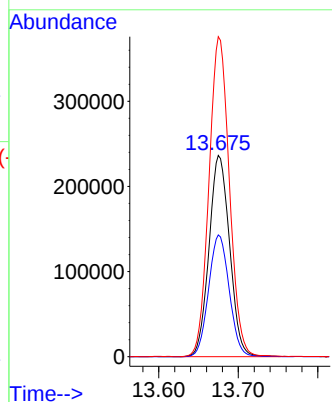


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

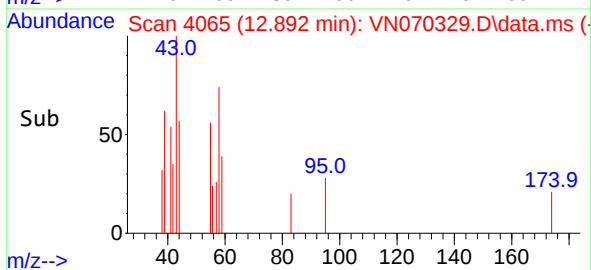
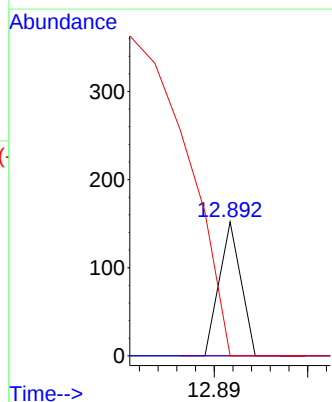
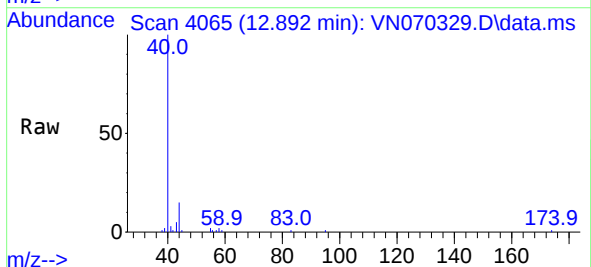


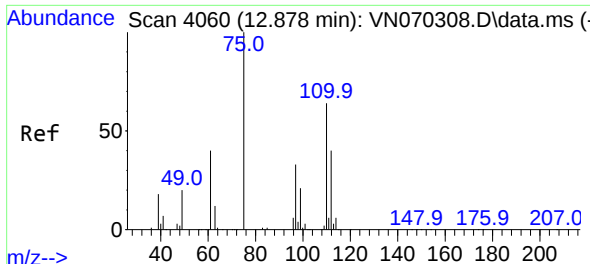
Tgt Ion:152 Resp: 425524
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.5 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: 0.449 ug/l
RT: 12.892 min Scan# 4065
Delta R.T. 0.067 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 83 Resp: 24
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 2733.3 32.4 97.2#

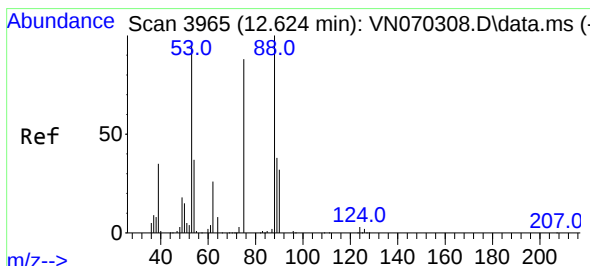
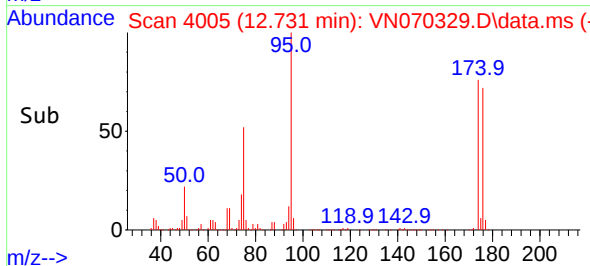
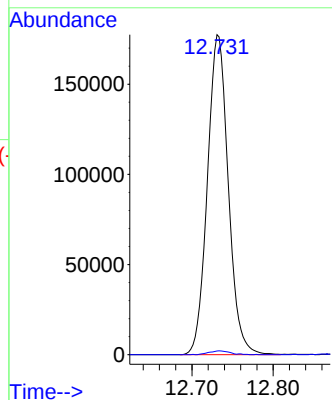
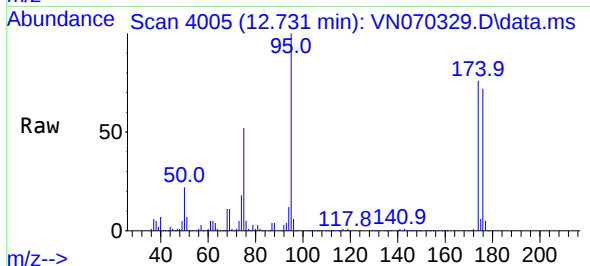




#76
1,2,3-Trichloropropane
Concen: 26.517 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

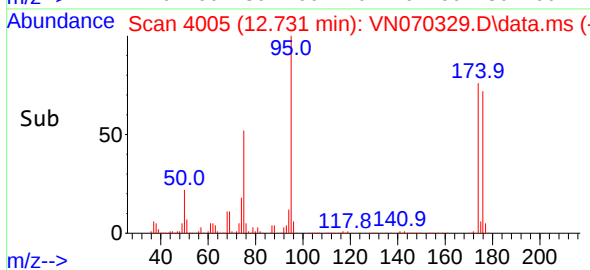
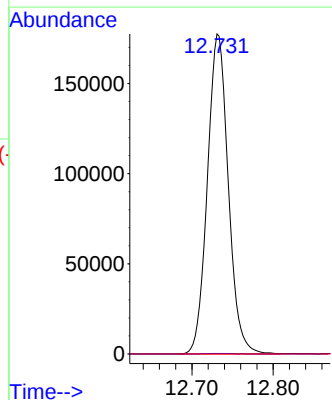
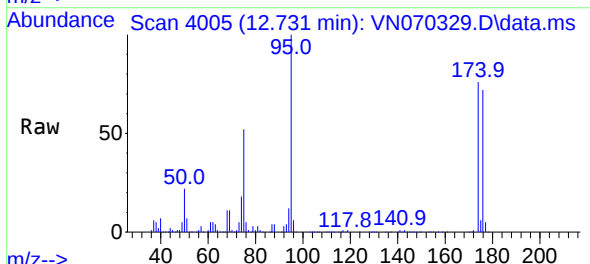
Instrument :
MSVOA_N
ClientSampleId :

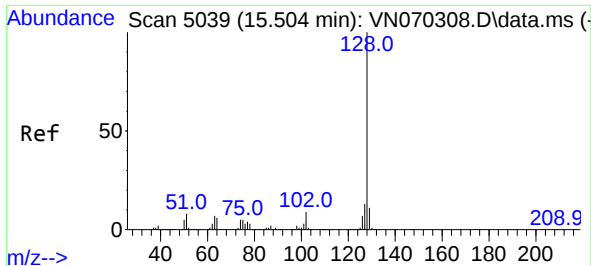
Tgt Ion: 75 Resp: 316938
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.000 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion: 75 Resp: 316938
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

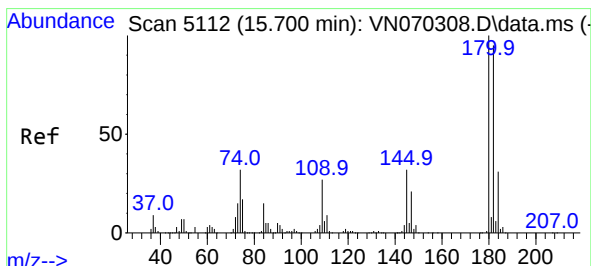
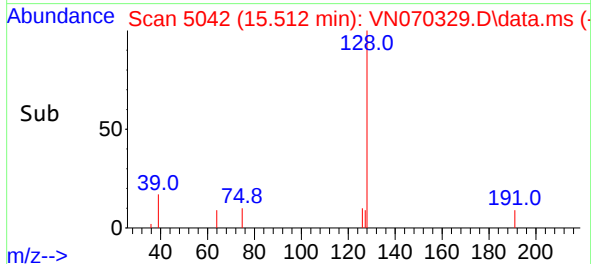
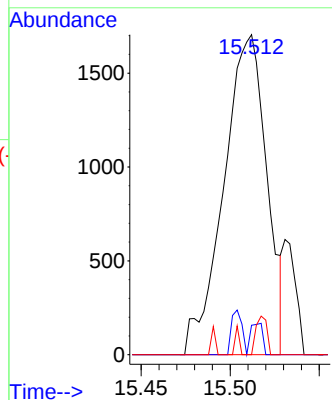
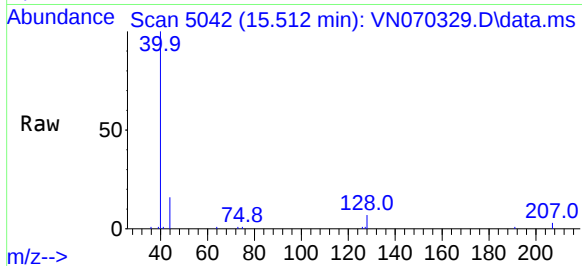




#95
Naphthalene
Concen: 1.939 ug/l
RT: 15.512 min Scan# 5039
Delta R.T. 0.008 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2862
Ion Ratio Lower Upper
128 100
127 2.7 10.5 15.7#
129 3.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.909 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.002 min
Lab File: VN070329.D
Acq: 28 Dec 2021 17:03

Tgt Ion:180 Resp: 569
Ion Ratio Lower Upper
180 100
182 55.0 47.4 142.2
145 0.0 15.0 45.1#

