

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012722\
 Data File : VN070814.D
 Acq On : 27 Jan 2022 18:37
 Operator : JC/MD
 Sample : PB142314TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142314TB

Quant Time: Jan 28 00:38:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

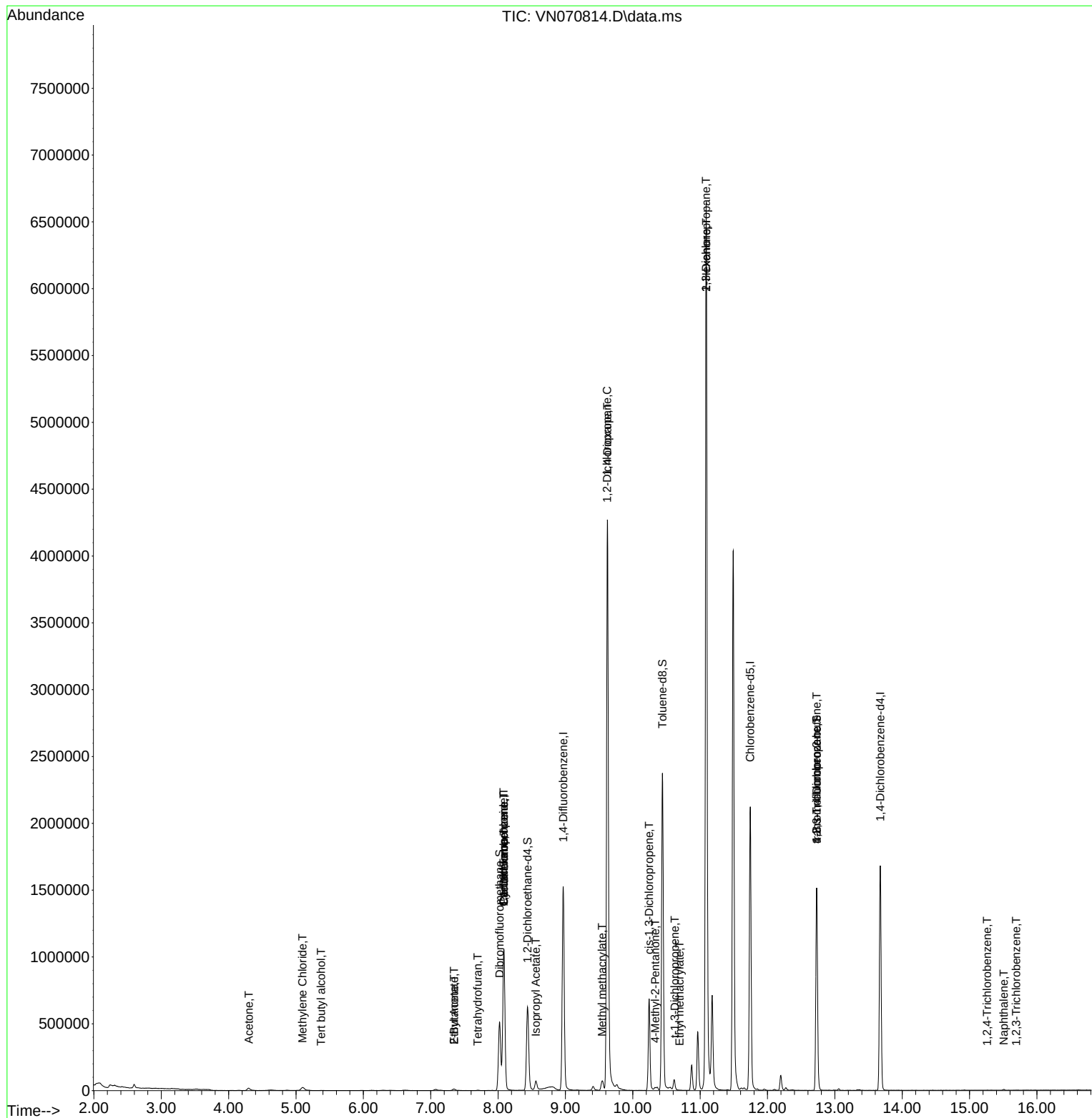
Internal Standards						
1) Pentafluorobenzene	8.086	168	793827	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1295092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1212647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	463222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	564575	49.625	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.260%		
35) Dibromofluoromethane	8.024	113	382431	47.605	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.200%		
50) Toluene-d8	10.441	98	1646760	48.659	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.320%		
62) 4-Bromofluorobenzene	12.731	95	556031	46.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.220%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.372	59	1158	0.564	ug/l	# 71
16) Acetone	4.299	43	35498	4.496	ug/l	# 86
20) Methylene Chloride	5.095	84	16790	1.614	ug/l	92
25) 2-Butanone	7.346	43	21133	2.127	ug/l	98
29) Tetrahydrofuran	7.697	42	1378	0.226	ug/l	# 53
30) Chloroform	8.080	83	31	Below Cal		# 18
31) Cyclohexane	8.088	56	19100	0.953	ug/l	# 10
36) 1,1-Dichloropropene	8.083	75	66291	4.902	ug/l	# 49
37) Ethyl Acetate	7.346	43	21133	1.177	ug/l	# 68
38) Carbon Tetrachloride	8.083	117	82028	6.818	ug/l	# 17
43) Isopropyl Acetate	8.560	43	86326	3.148	ug/l	# 87
45) 1,2-Dichloropropane	9.620	63	5292	0.464	ug/l	# 44
48) Methyl methacrylate	9.545	41	20721	1.586	ug/l	# 8
49) 1,4-Dioxane	9.623	88	667	3.399	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	13355	0.763	ug/l	91
53) t-1,3-Dichloropropene	10.623	75	52	2.407	ug/l	# 1
54) cis-1,3-Dichloropropene	10.242	75	116966	7.197	ug/l	# 64
56) Ethyl methacrylate	10.695	69	289	2.316	ug/l	# 24
57) 1,3-Dichloropropane	11.087	76	69004	3.958	ug/l	# 43
59) 2-Hexanone	11.090	43	1157674	91.066	ug/l	# 49
76) 1,2,3-Trichloropropane	12.731	75	302060	24.586	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.731	75	302060	73.246	ug/l	# 5
93) 1,2,4-Trichlorobenzene	15.260	180	380	3.467	ug/l	# 71
95) Naphthalene	15.507	128	5843	5.168	ug/l	96
96) 1,2,3-Trichlorobenzene	15.692	180	327	3.253	ug/l	# 44

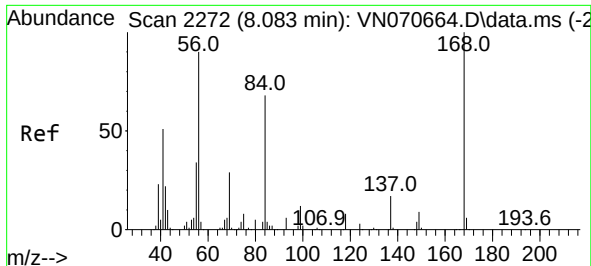
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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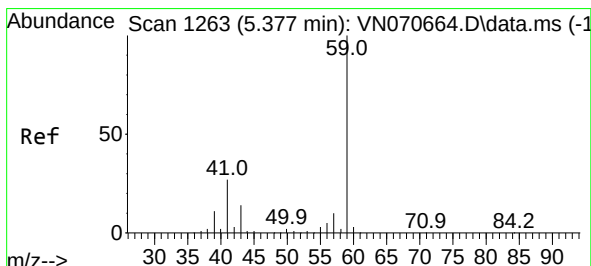
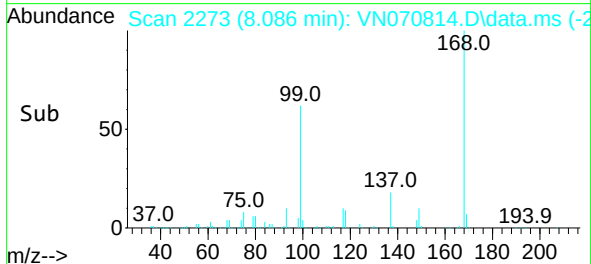
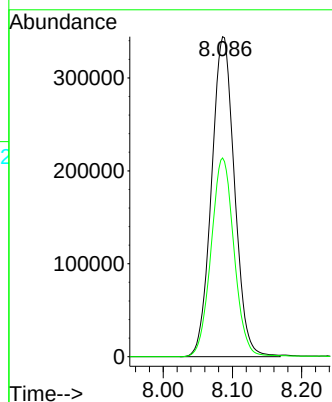
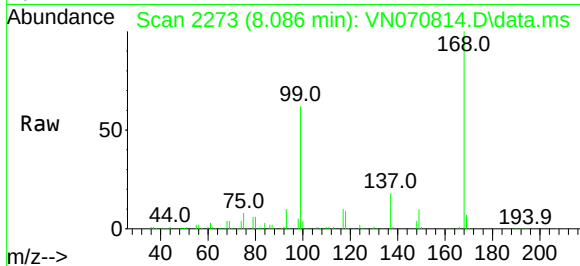




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

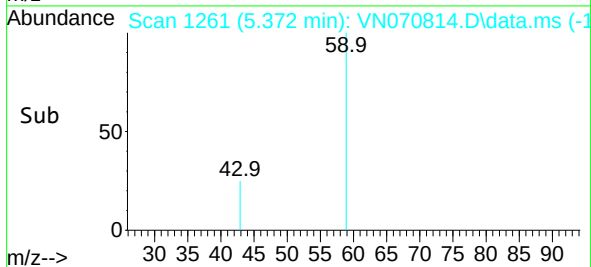
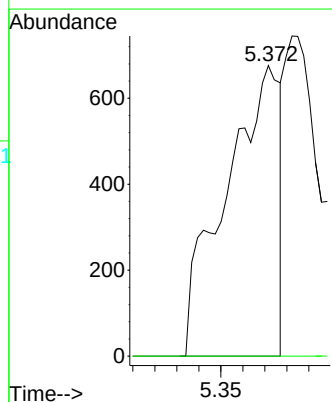
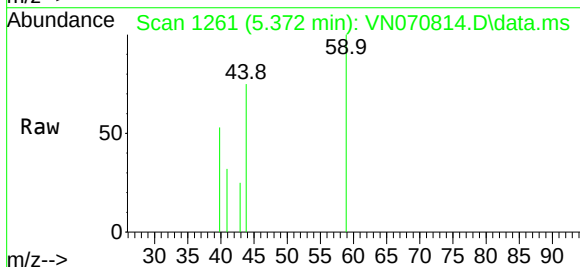
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

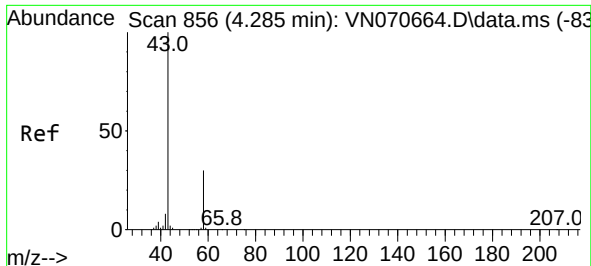
Tgt Ion:168 Resp: 793827
Ion Ratio Lower Upper
168 100
99 62.1 41.3 61.9#



#11
Tert butyl alcohol
Concen: 0.564 ug/l
RT: 5.372 min Scan# 1261
Delta R.T. -0.005 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

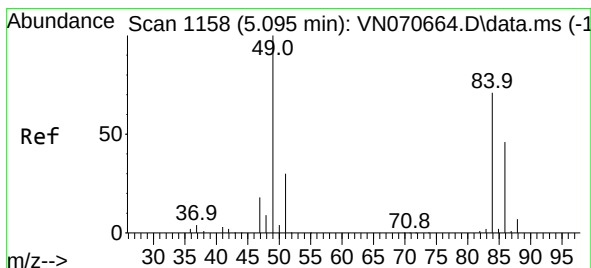
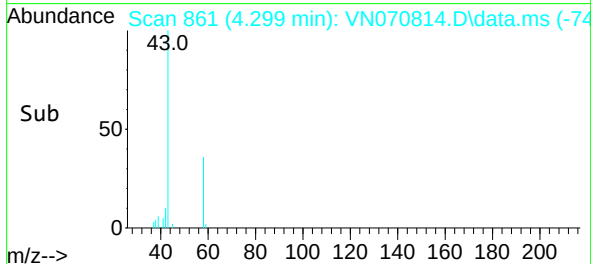
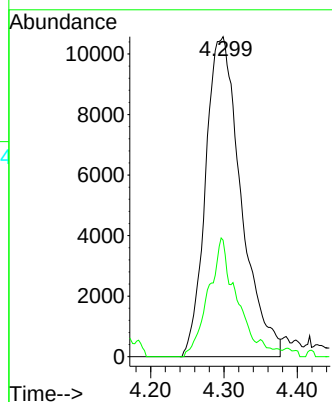
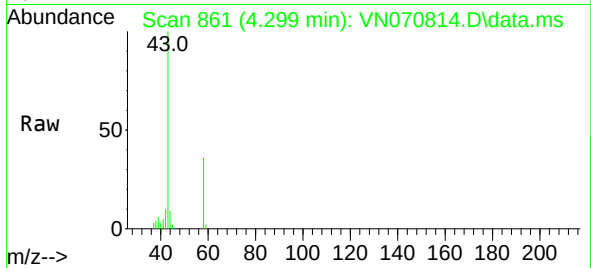




#16
Acetone
Concen: 4.496 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

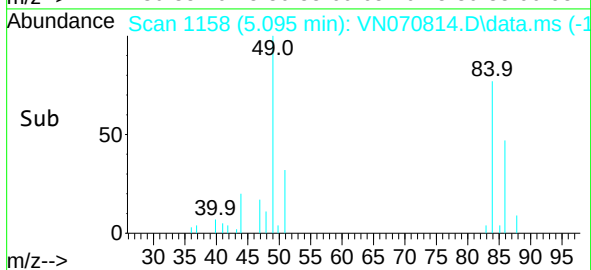
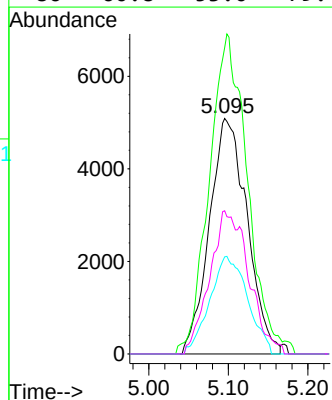
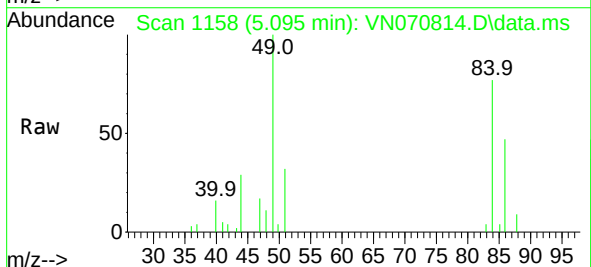
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

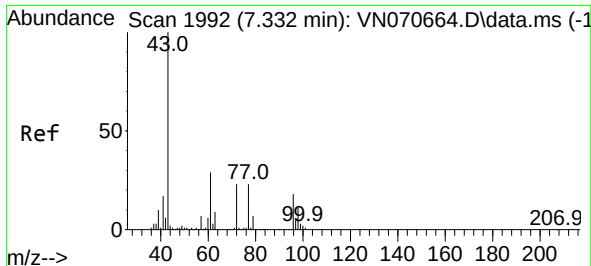
Tgt Ion: 43 Resp: 35498
Ion Ratio Lower Upper
43 100
58 36.4 23.1 34.7#



#20
Methylene Chloride
Concen: 1.614 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 84 Resp: 16790
Ion Ratio Lower Upper
84 100
49 126.2 93.5 140.3
51 41.3 29.4 44.2
86 60.8 53.0 79.4





#25

2-Butanone

Concen: 2.127 ug/l

RT: 7.346 min Scan# 1992

Delta R.T. 0.014 min

Lab File: VN070814.D

Acq: 27 Jan 2022 18:37

Instrument :

MSVOA_N

ClientSampleId :

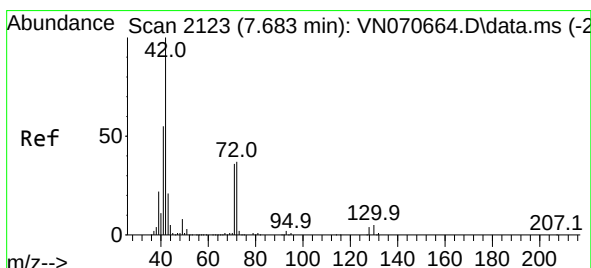
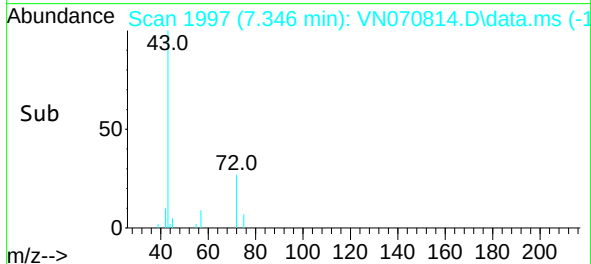
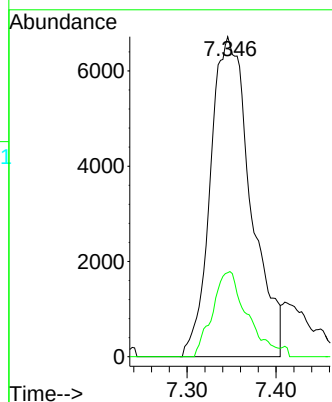
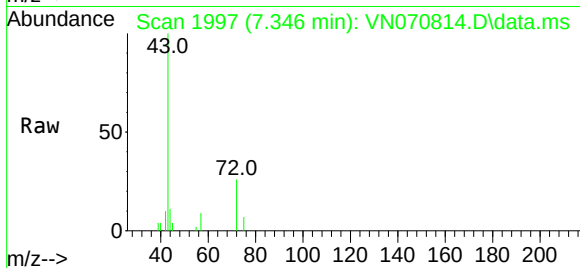
PB142314TB

Tgt Ion: 43 Resp: 21133

Ion Ratio Lower Upper

43 100

72 26.3 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.014 min

Lab File: VN070814.D

Acq: 27 Jan 2022 18:37

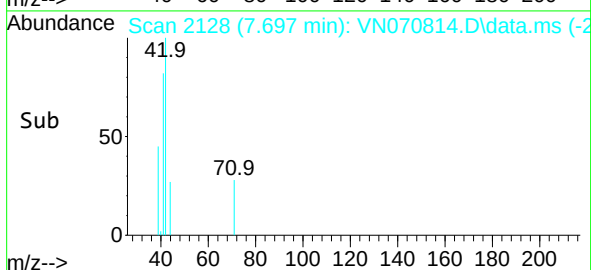
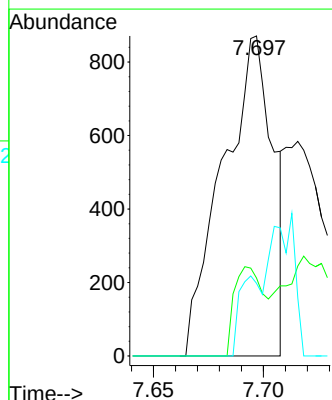
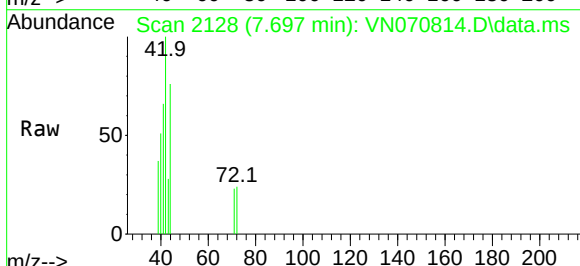
Tgt Ion: 42 Resp: 1378

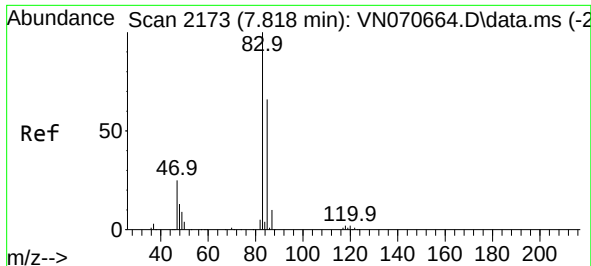
Ion Ratio Lower Upper

42 100

72 16.4 36.3 54.5#

71 11.2 34.7 52.1#

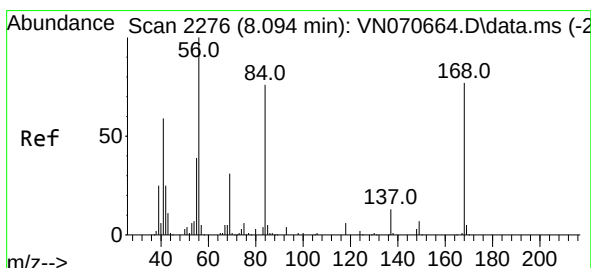
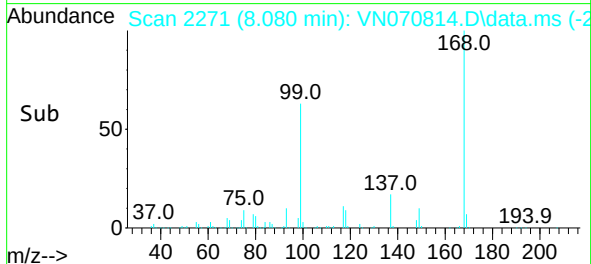
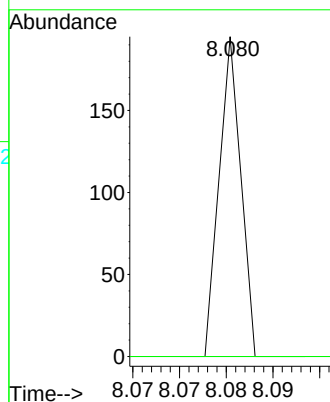
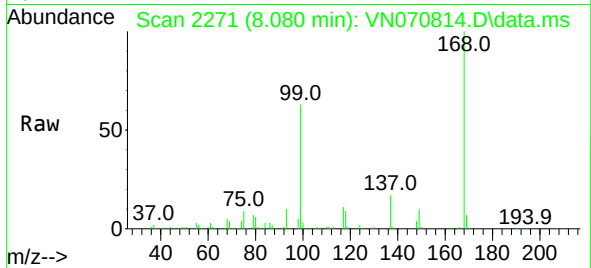




#30
Chloroform
Concen: Below Cal
RT: 8.080 min Scan# 2173
Delta R.T. 0.262 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

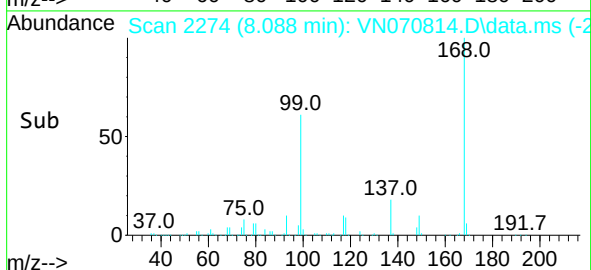
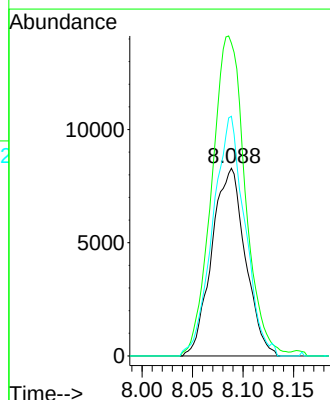
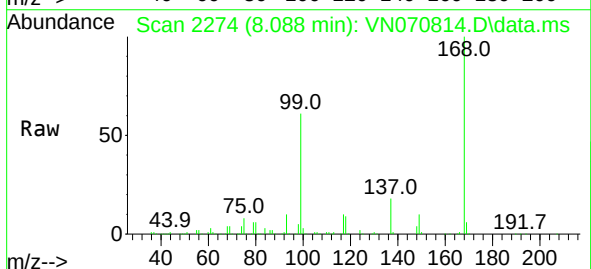
Instrument :
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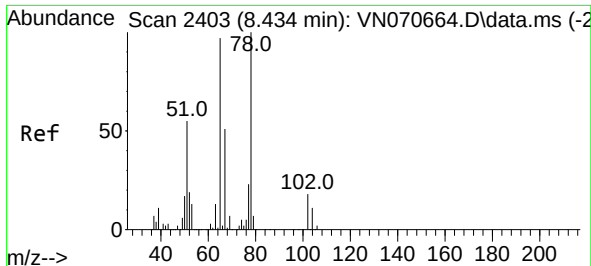
Tgt Ion: 83 Resp: 31
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#



#31
Cyclohexane
Concen: 0.953 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 56 Resp: 19100
Ion Ratio Lower Upper
56 100
69 166.6 27.1 40.7#
84 127.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 49.625 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070814.D

Acq: 27 Jan 2022 18:37

Instrument :

MSVOA_N

ClientSampleId :

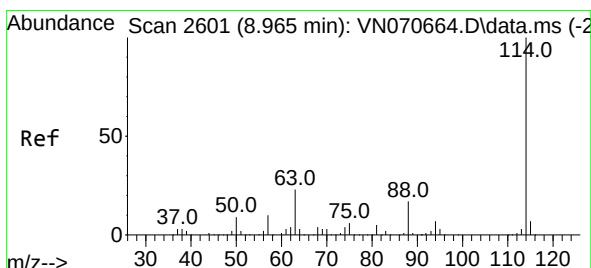
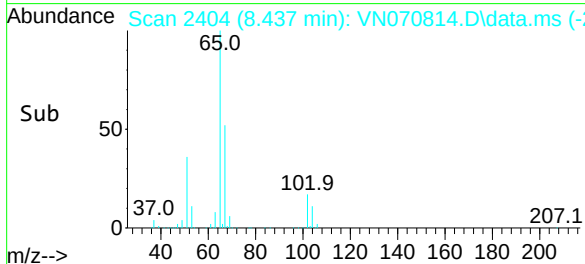
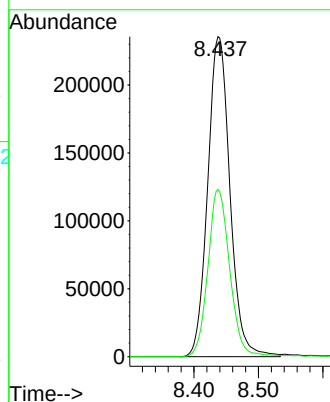
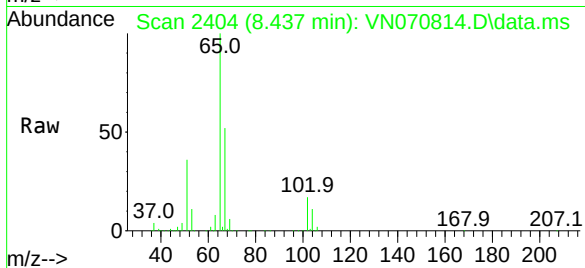
PB142314TB

Tgt Ion: 65 Resp: 564575

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.003 min

Lab File: VN070814.D

Acq: 27 Jan 2022 18:37

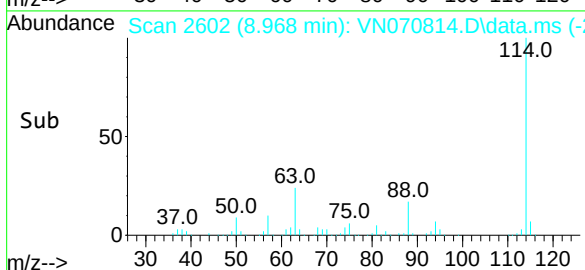
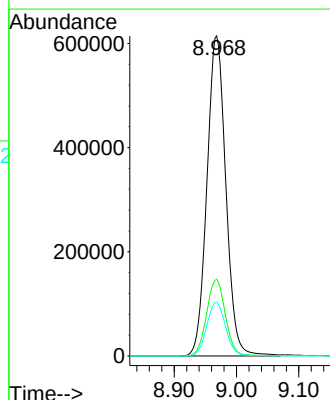
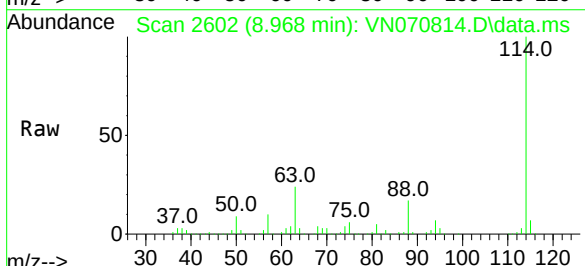
Tgt Ion: 114 Resp: 1295092

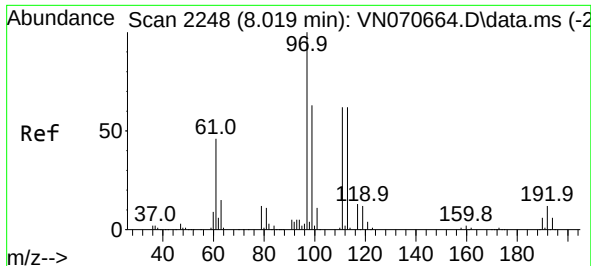
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.9 0.0 27.4

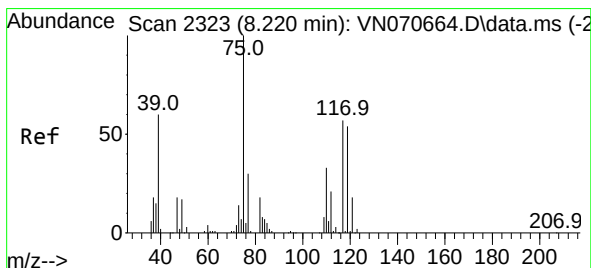
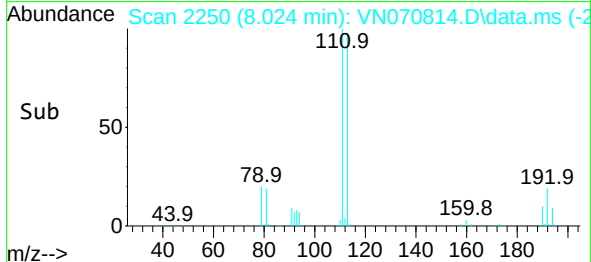
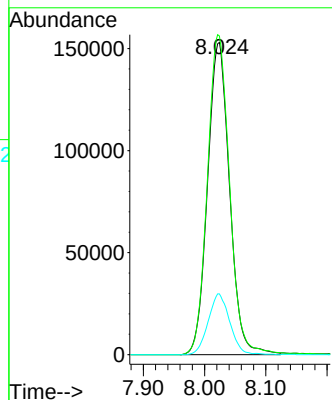
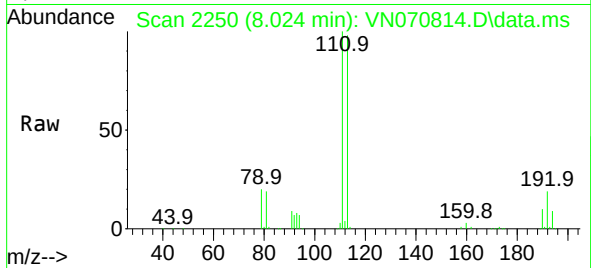




#35
Dibromofluoromethane
Concen: 47.605 ug/l
RT: 8.024 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

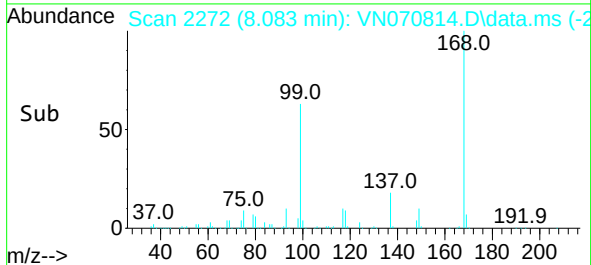
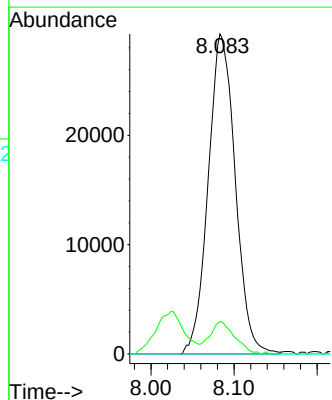
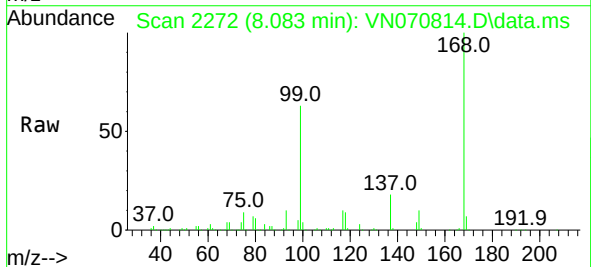
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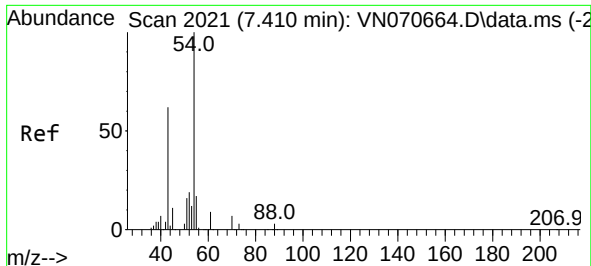
Tgt Ion:113 Resp: 382431
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.902 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.137 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 75 Resp: 66291
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.177 ug/l

RT: 7.346 min Scan# 19

Delta R.T. -0.064 min

Lab File: VN070814.D

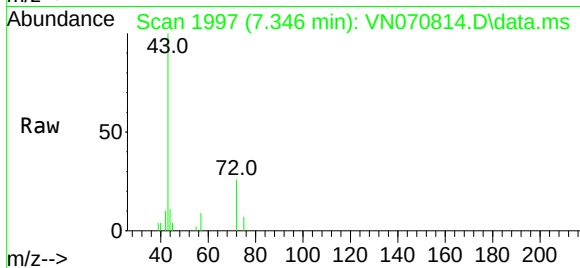
Acq: 27 Jan 2022 18:37

Instrument :

MSVOA_N

ClientSampleId :

PB142314TB



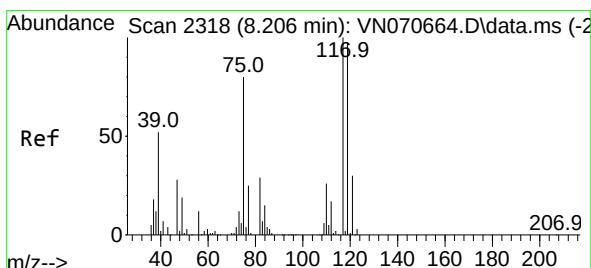
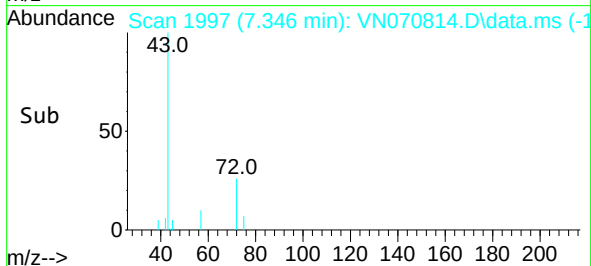
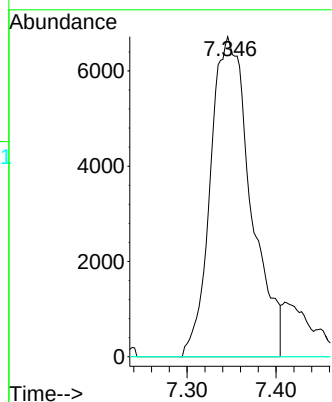
Tgt Ion: 43 Resp: 21133

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.818 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.123 min

Lab File: VN070814.D

Acq: 27 Jan 2022 18:37

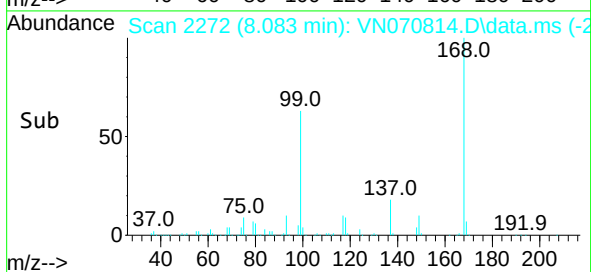
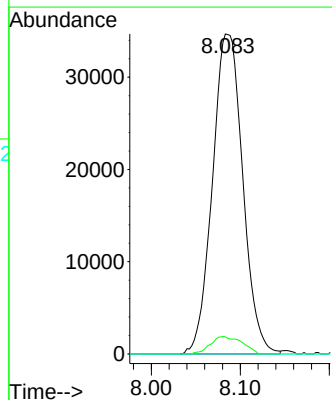
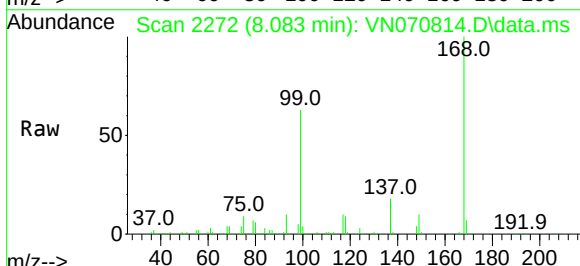
Tgt Ion: 117 Resp: 82028

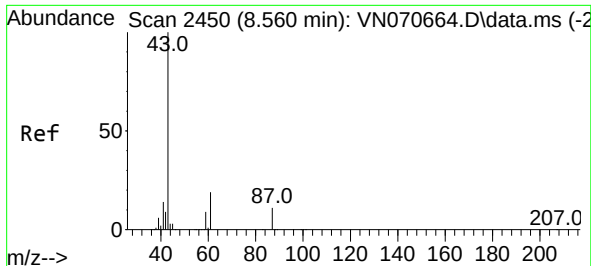
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.2 36.2#

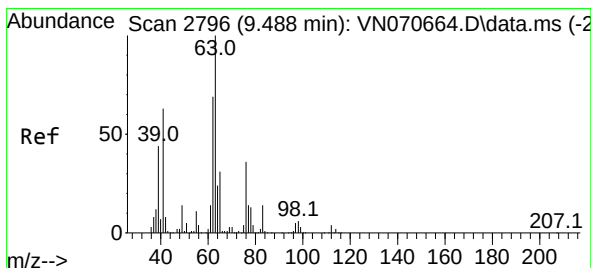
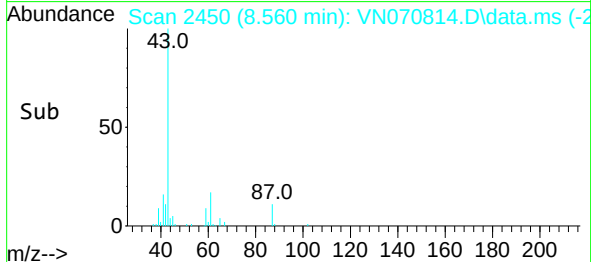
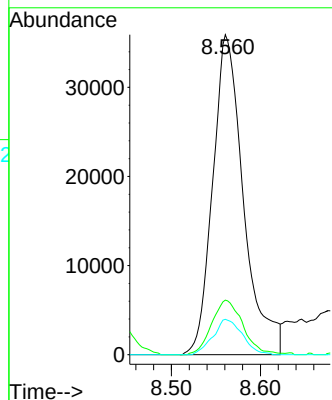
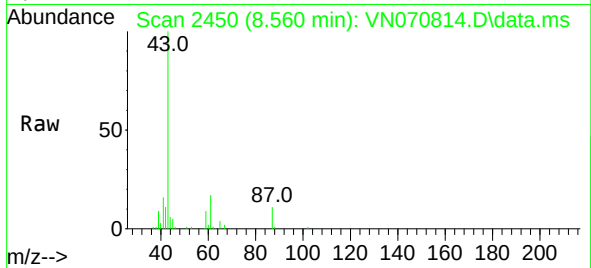




#43
Isopropyl Acetate
Concen: 3.148 ug/l
RT: 8.560 min Scan# 2450
Delta R.T. 0.000 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

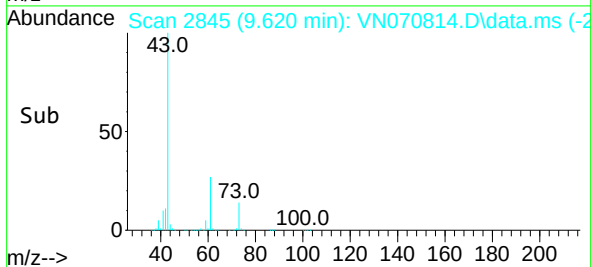
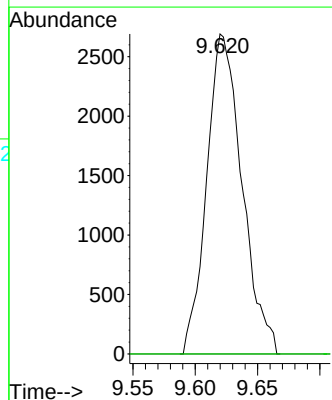
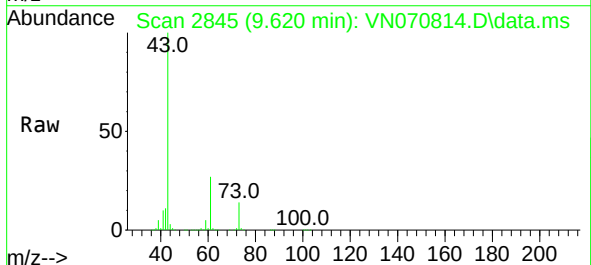
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

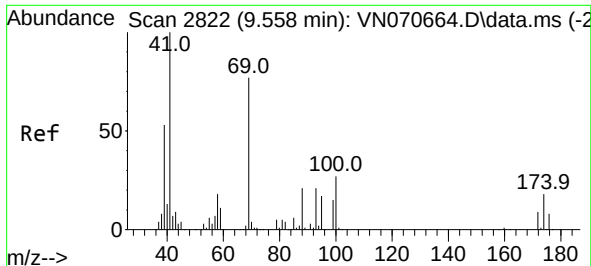
Tgt Ion: 43 Resp: 86326
Ion Ratio Lower Upper
43 100
61 17.4 20.4 30.6#
87 10.5 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.464 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.132 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 63 Resp: 5292
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

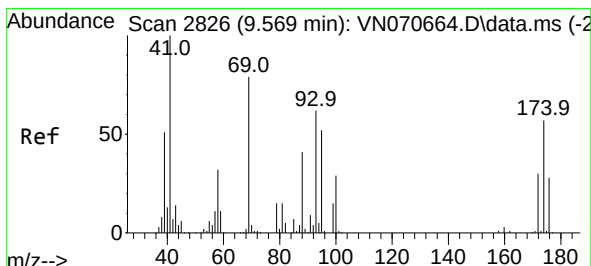
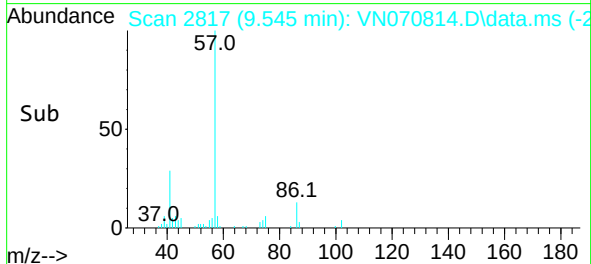
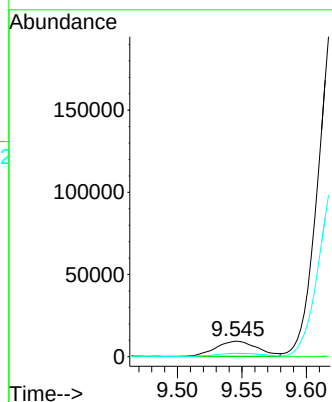
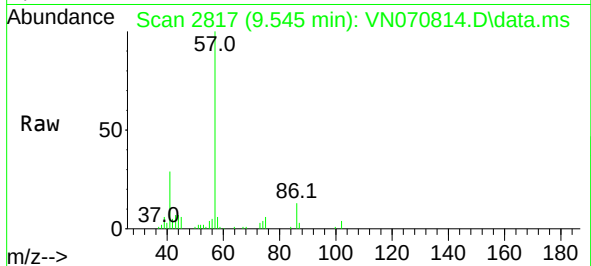




#48
Methyl methacrylate
Concen: 1.586 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

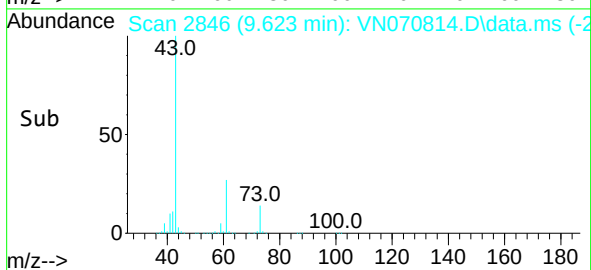
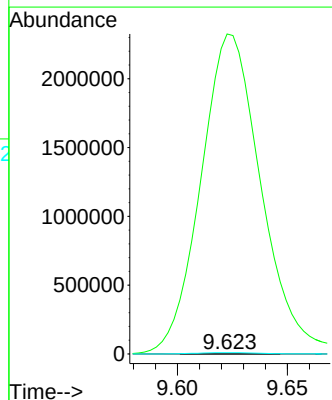
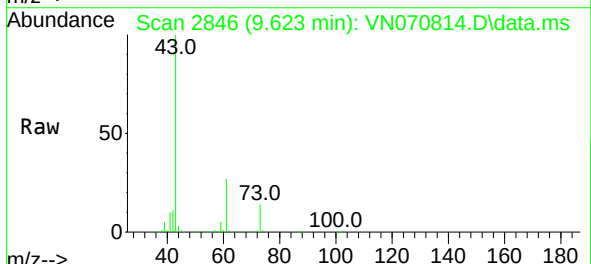
Instrument :
MSVOA_N
ClientSampleId :
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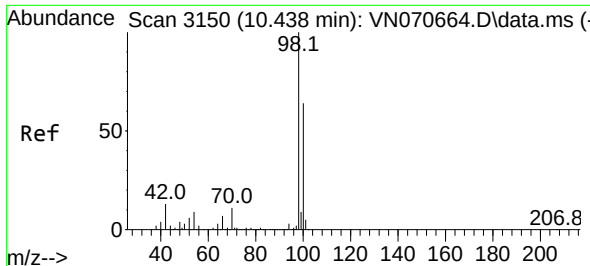
Tgt Ion: 41 Resp: 20721
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.399 ug/l
RT: 9.623 min Scan# 2846
Delta R.T. 0.054 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 88 Resp: 667
Ion Ratio Lower Upper
88 100
43 683411.2 23.4 35.2#
58 2788.9 50.6 75.8#

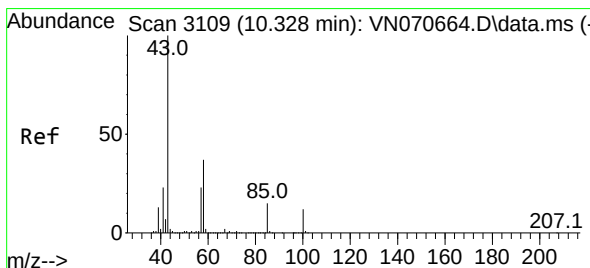
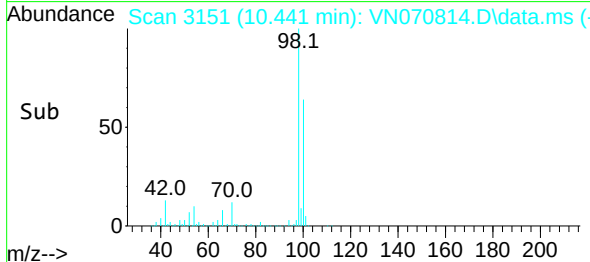
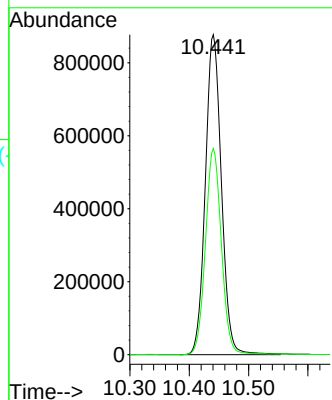
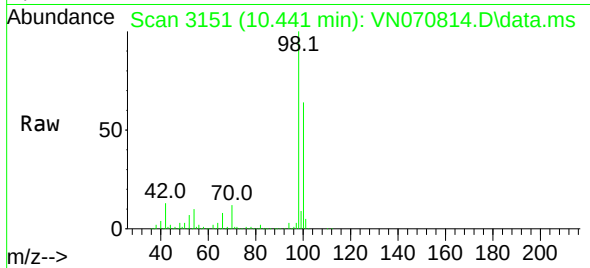




#50
Toluene-d8
Concen: 48.659 ug/l
RT: 10.441 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

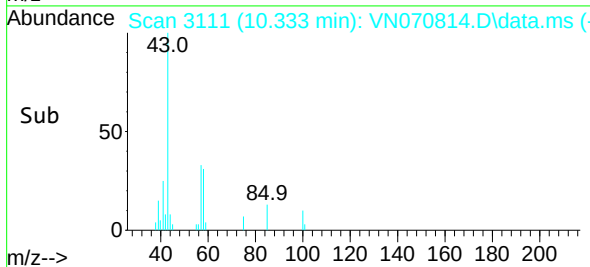
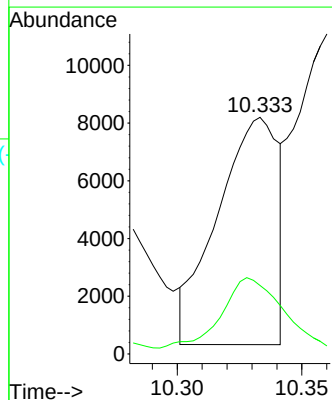
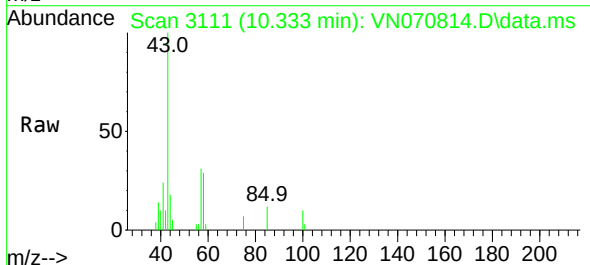
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

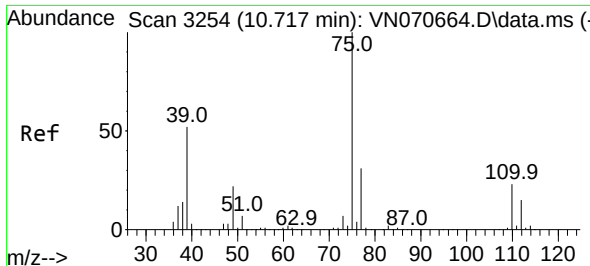
Tgt Ion: 98 Resp: 1646760
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.763 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.005 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 43 Resp: 13355
Ion Ratio Lower Upper
43 100
58 32.5 30.4 45.6

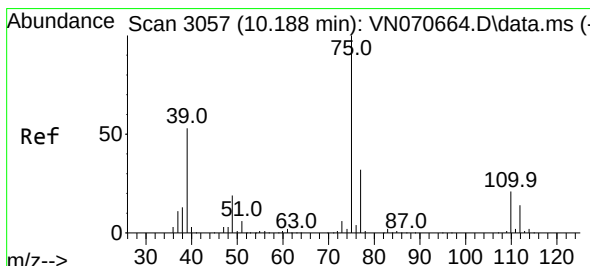
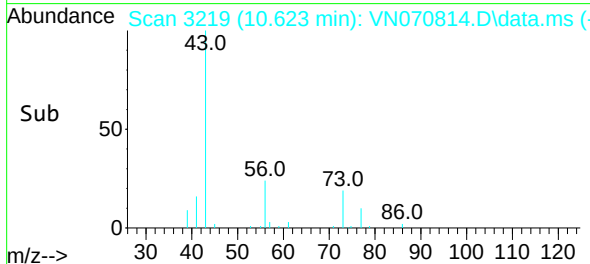
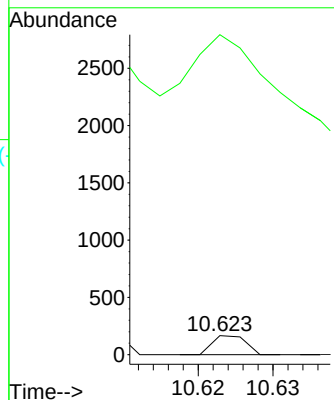
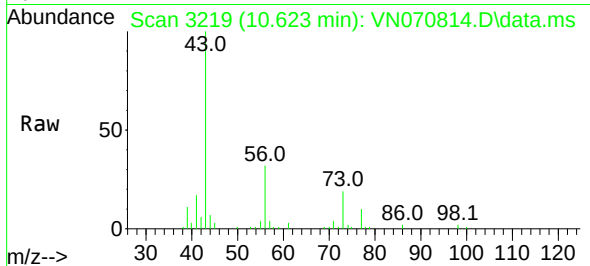




#53
 t-1,3-Dichloropropene
 Concen: 2.407 ug/l
 RT: 10.623 min Scan# 31
 Delta R.T. -0.094 min
 Lab File: VN070814.D
 Acq: 27 Jan 2022 18:37

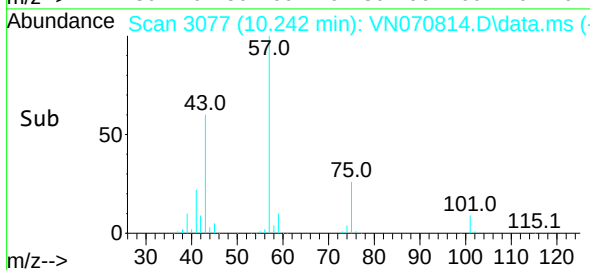
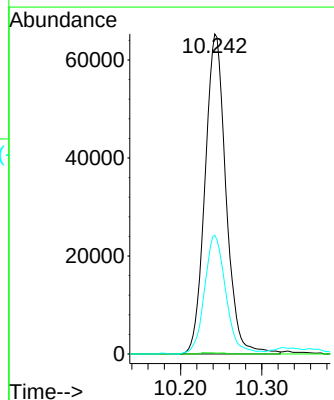
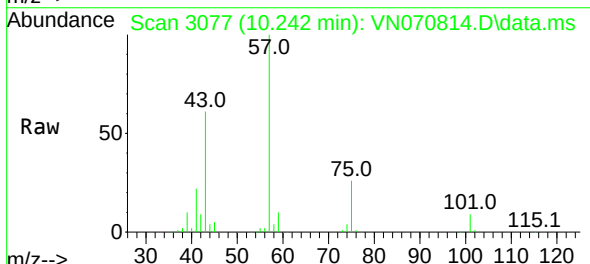
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142314TB

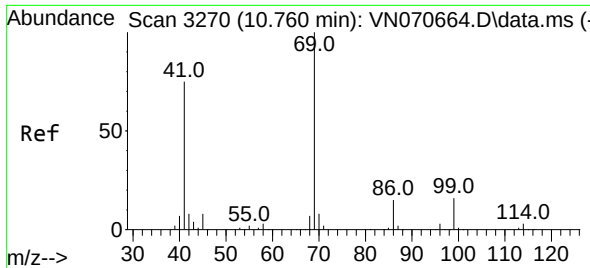
Tgt Ion: 75 Resp: 52
 Ion Ratio Lower Upper
 75 100
 77 303.6 25.6 38.4#



#54
 cis-1,3-Dichloropropene
 Concen: 7.197 ug/l
 RT: 10.242 min Scan# 3077
 Delta R.T. 0.054 min
 Lab File: VN070814.D
 Acq: 27 Jan 2022 18:37

Tgt Ion: 75 Resp: 116966
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.4 39.6#
 39 37.1 42.5 63.7#

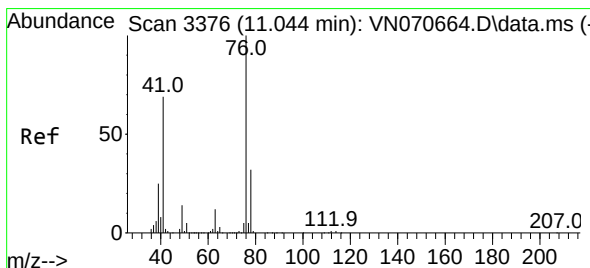
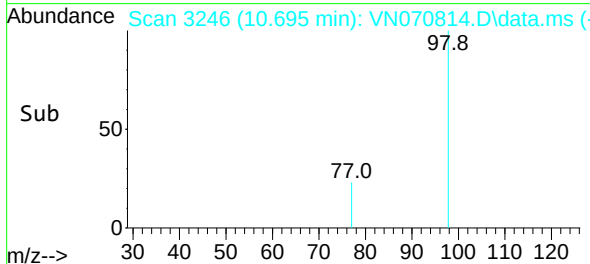
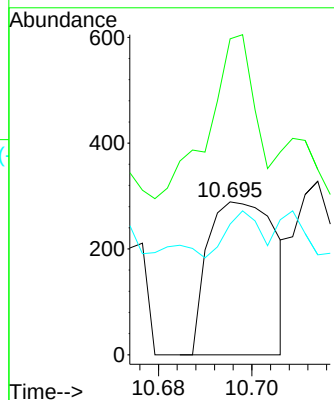
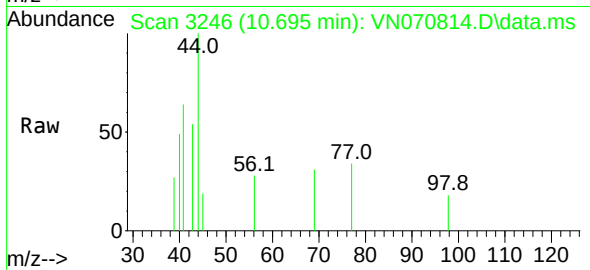




#56
Ethyl methacrylate
Concen: 2.316 ug/l
RT: 10.695 min Scan# 31
Delta R.T. -0.065 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

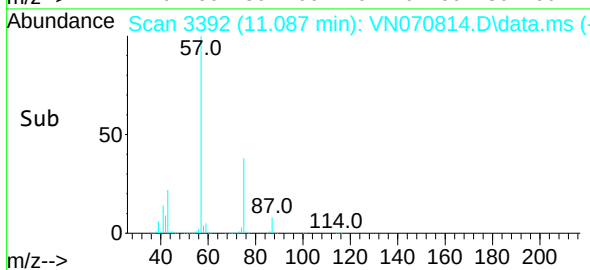
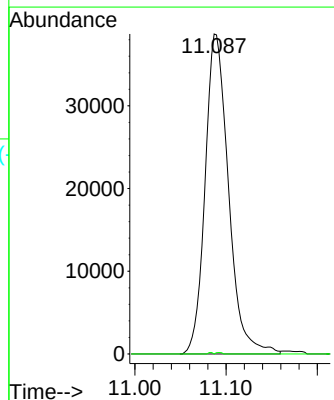
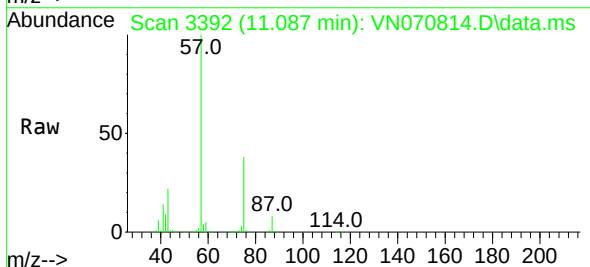
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

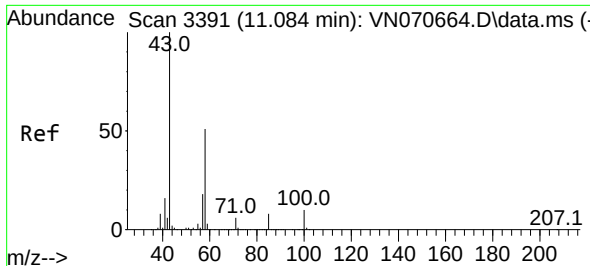
Tgt Ion: 69 Resp: 289
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.958 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.043 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 76 Resp: 69004
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

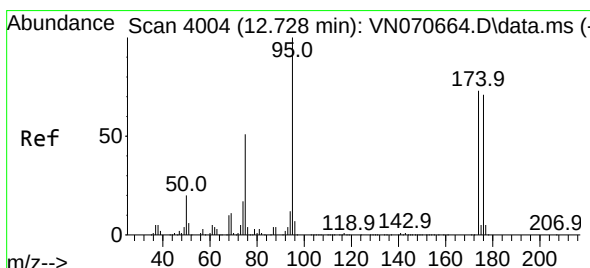
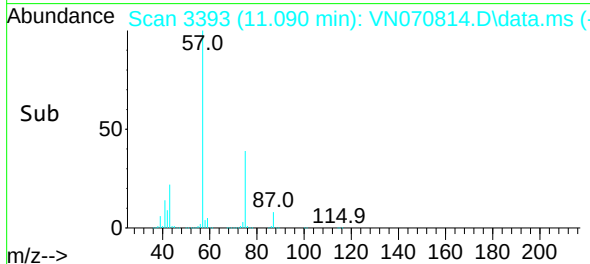
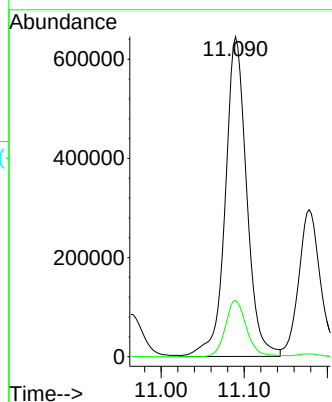
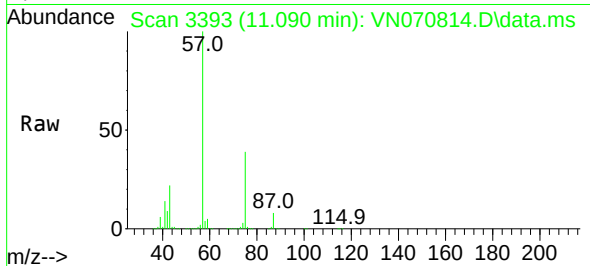




#59
2-Hexanone
Concen: 91.066 ug/l
RT: 11.090 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

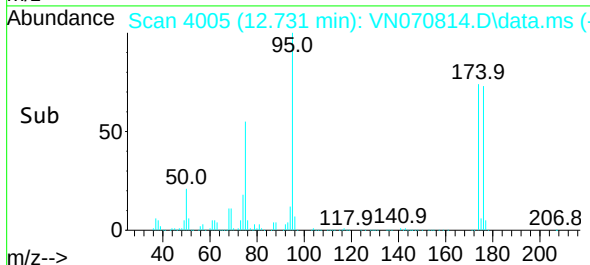
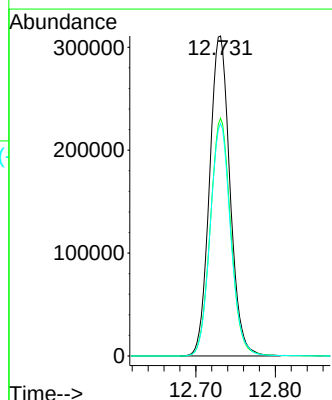
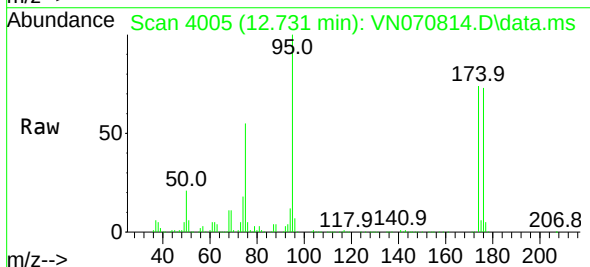
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

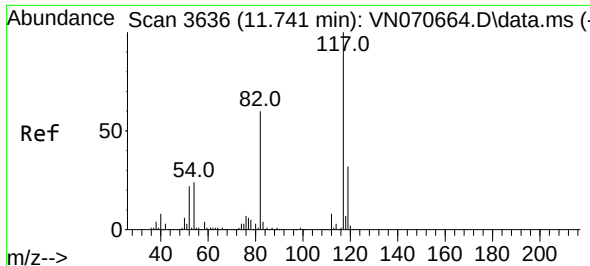
Tgt Ion: 43 Resp: 1157674
Ion Ratio Lower Upper
43 100
58 17.5 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 46.106 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 95 Resp: 556031
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 72.8 0.0 181.4

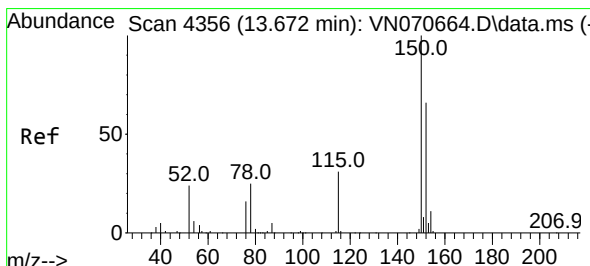
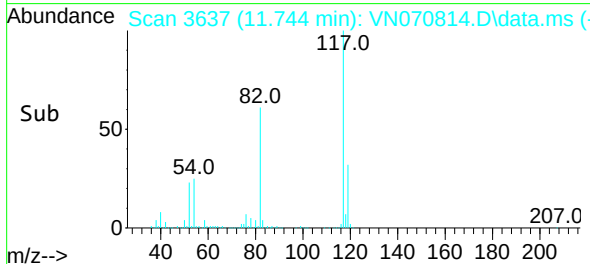
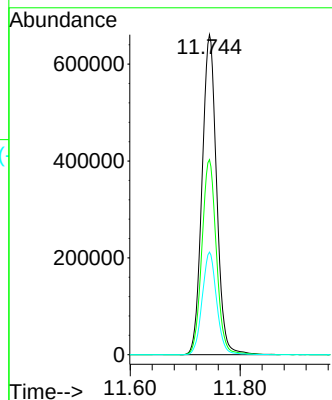
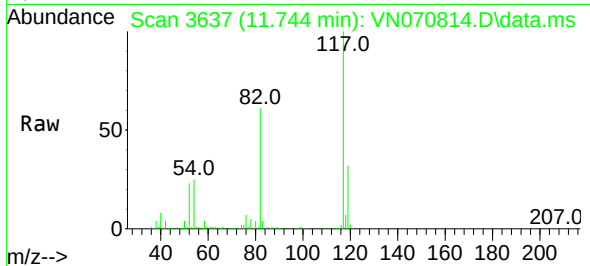




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

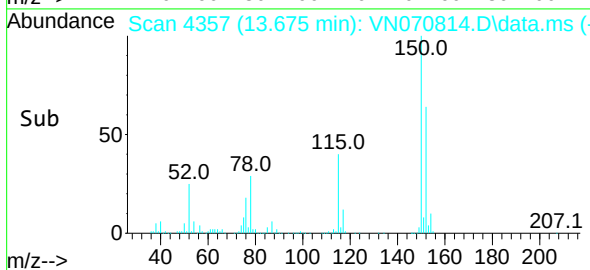
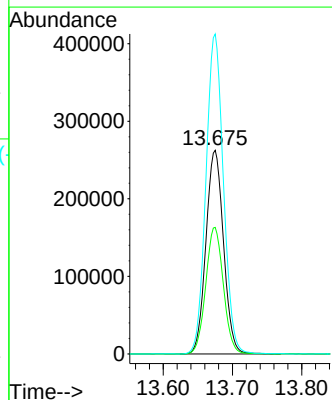
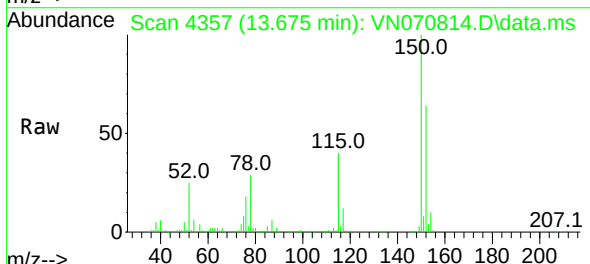
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

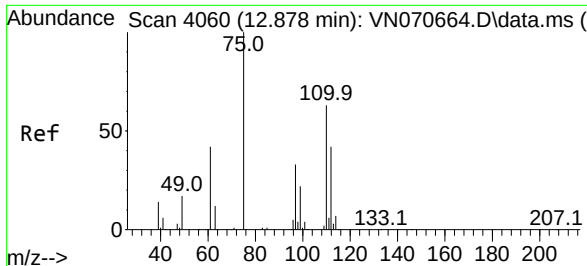
Tgt Ion:117 Resp: 1212647
Ion Ratio Lower Upper
117 100
82 61.0 42.4 63.6
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion:152 Resp: 463222
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 156.2 0.0 344.4

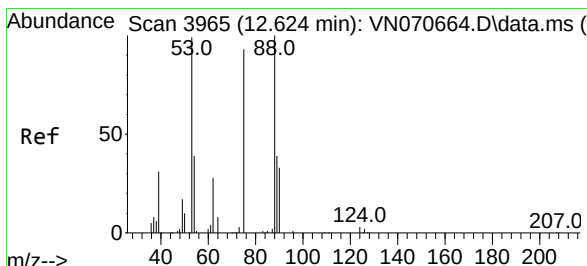
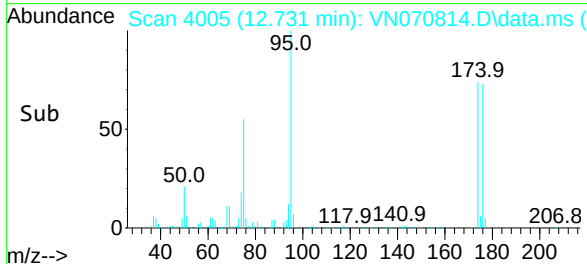
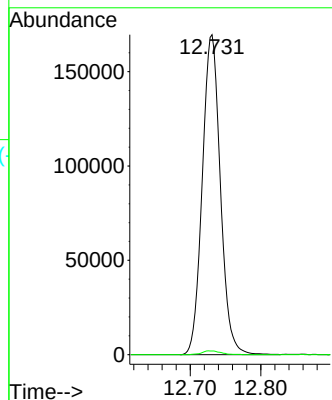
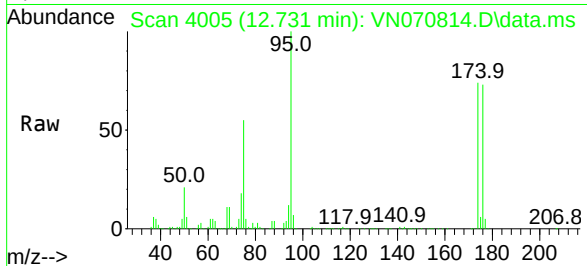




#76
1,2,3-Trichloropropane
Concen: 24.586 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

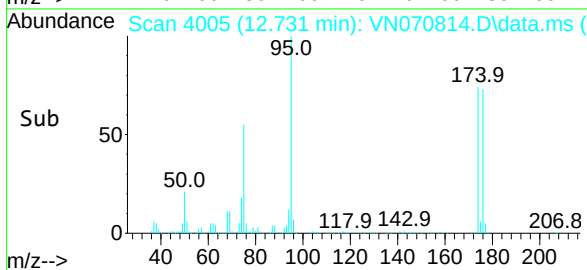
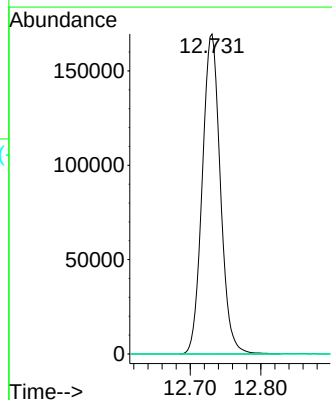
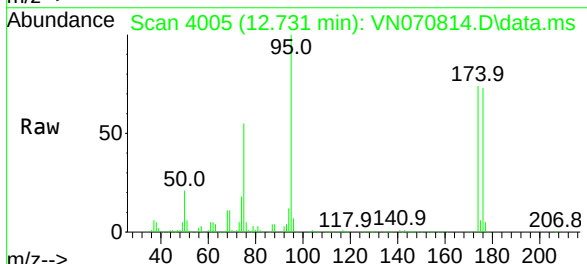
Instrument :
MSVOA_N
ClientSampleId :
PB142314TB

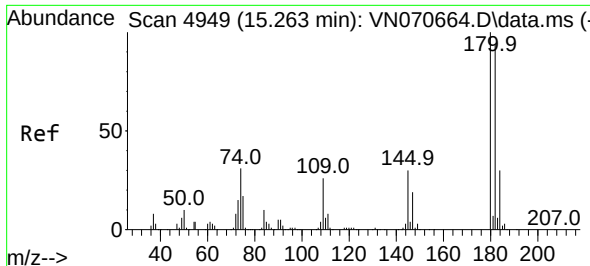
Tgt Ion: 75 Resp: 302060
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.246 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070814.D
Acq: 27 Jan 2022 18:37

Tgt Ion: 75 Resp: 302060
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

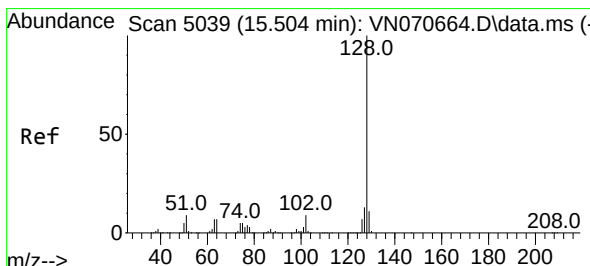
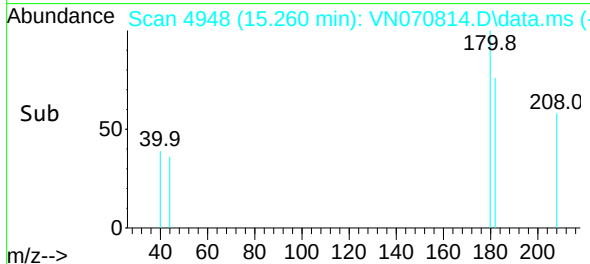
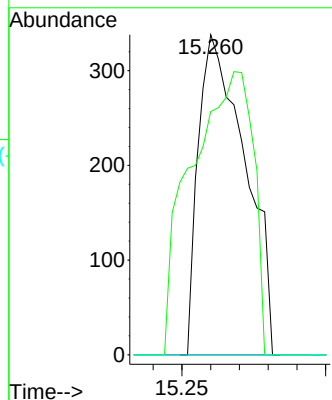
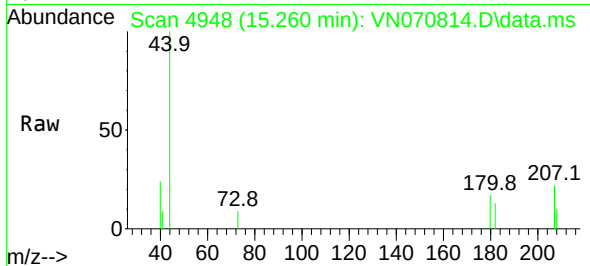




#93
 1,2,4-Trichlorobenzene
 Concen: 3.467 ug/l
 RT: 15.260 min Scan# 4949
 Delta R.T. -0.003 min
 Lab File: VN070814.D
 Acq: 27 Jan 2022 18:37

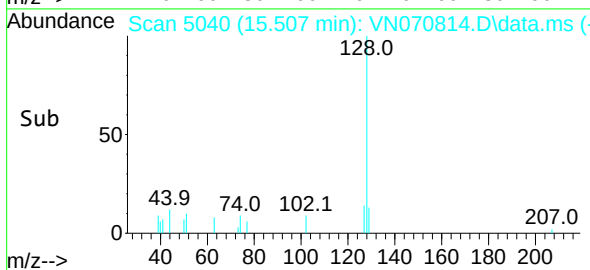
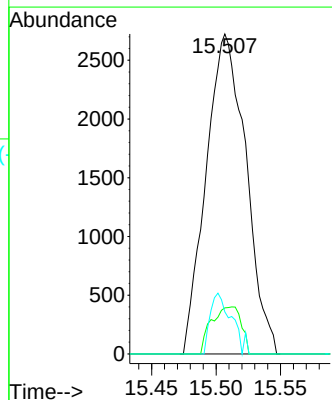
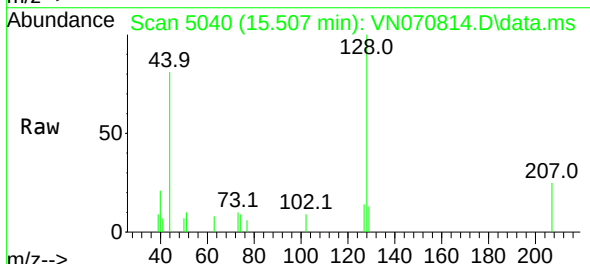
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142314TB

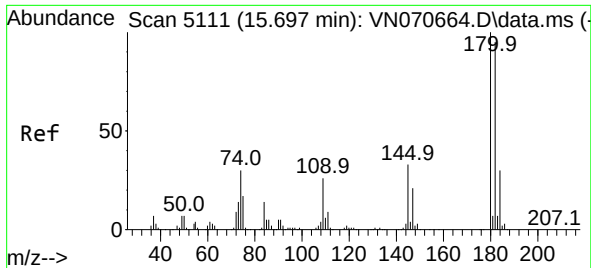
Tgt Ion:180 Resp: 380
 Ion Ratio Lower Upper
 180 100
 182 117.6 48.3 144.9
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 5.168 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. 0.003 min
 Lab File: VN070814.D
 Acq: 27 Jan 2022 18:37

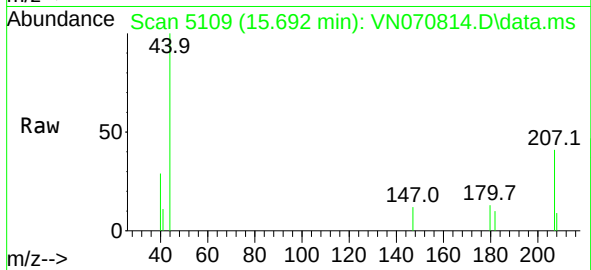
Tgt Ion:128 Resp: 5843
 Ion Ratio Lower Upper
 128 100
 127 11.0 10.5 15.7
 129 10.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.253 ug/l
 RT: 15.692 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070814.D
 Acq: 27 Jan 2022 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142314TB



Tgt Ion:180 Resp: 327
 Ion Ratio Lower Upper
 180 100
 182 40.7 47.4 142.2#
 145 0.0 15.0 45.1#

