

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071055.D
 Acq On : 24 Feb 2022 15:08
 Operator : JC\MD
 Sample : N1642-05 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31457

Quant Time: Feb 25 02:43:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

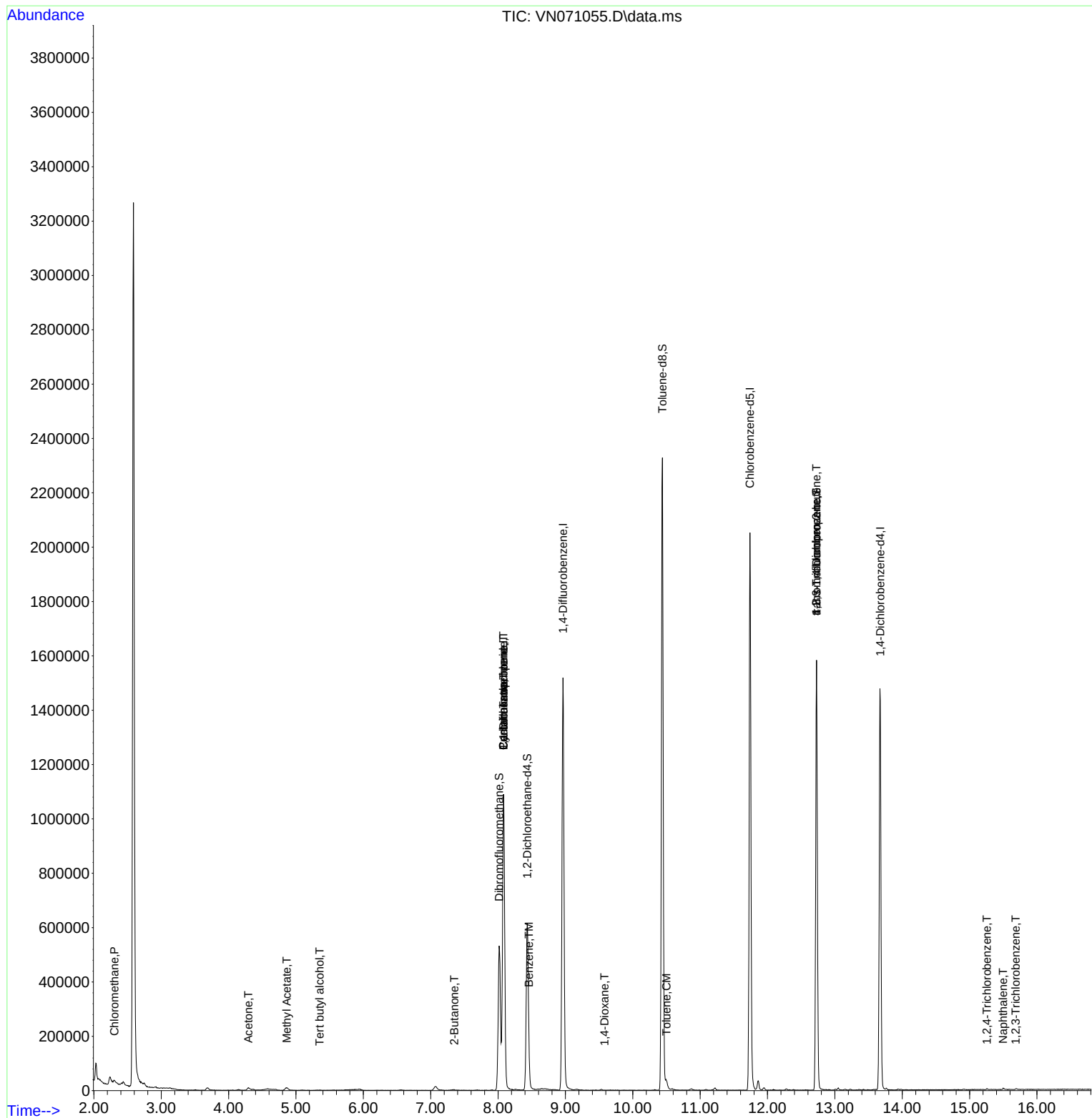
Internal Standards						
1) Pentafluorobenzene	8.081	168	845282	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1344092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1201747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	421886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	509932	52.811	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 105.620%		
35) Dibromofluoromethane	8.016	113	394542	49.351	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.700%		
50) Toluene-d8	10.439	98	1615525	50.319	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.640%		
62) 4-Bromofluorobenzene	12.727	95	555543	48.409	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 96.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2986	0.271	ug/l	94
11) Tert butyl alcohol	5.351	59	1721	0.978	ug/l #	71
16) Acetone	4.293	43	12847	2.416	ug/l #	73
18) Methyl Acetate	4.863	43	21541	1.263	ug/l	91
25) 2-Butanone	7.351	43	4521	0.639	ug/l	92
31) Cyclohexane	8.081	56	17232	1.032	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	64199	4.901	ug/l #	48
38) Carbon Tetrachloride	8.081	117	81258	6.296	ug/l #	16
40) Benzene	8.457	78	17348	0.448	ug/l	93
49) 1,4-Dioxane	9.581	88	116	0.623	ug/l #	1
52) Toluene	10.498	92	9339	0.384	ug/l	92
76) 1,2,3-Trichloropropane	12.727	75	281899	28.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	281899	91.961	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	1181	2.145	ug/l	93
95) Naphthalene	15.498	128	4468	5.203	ug/l	97
96) 1,2,3-Trichlorobenzene	15.686	180	1378	2.699	ug/l	98

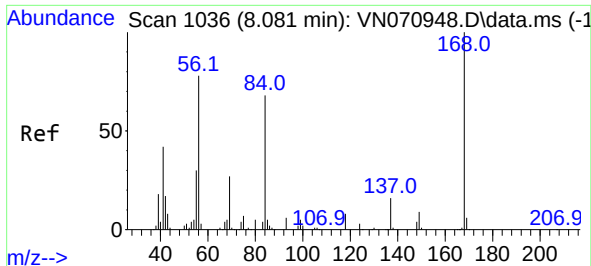
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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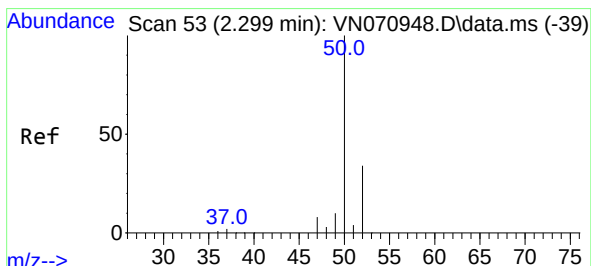
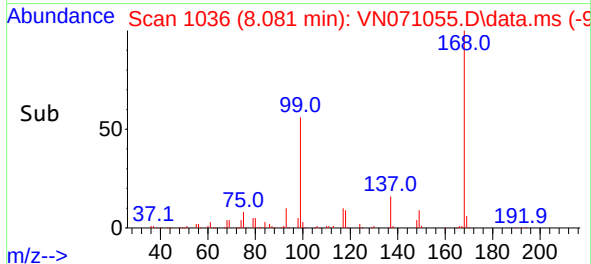
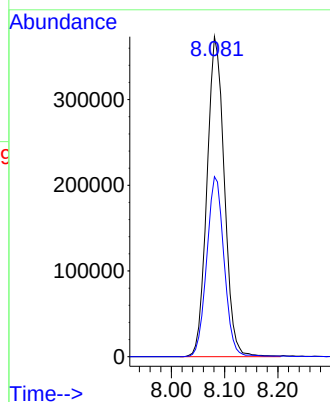
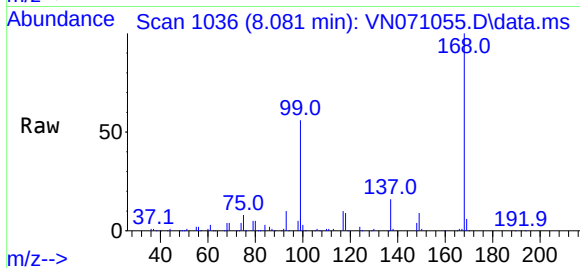




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

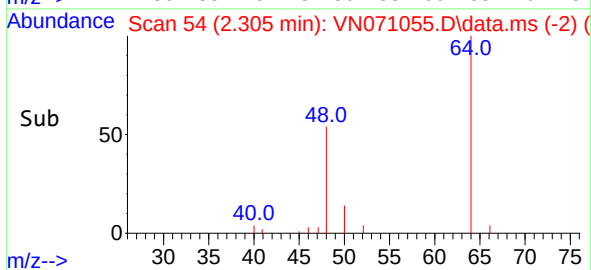
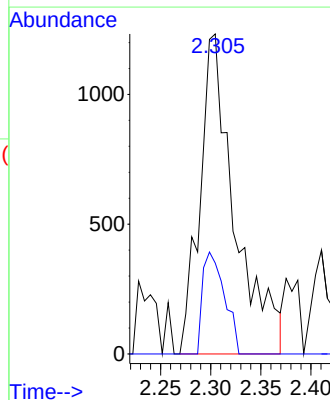
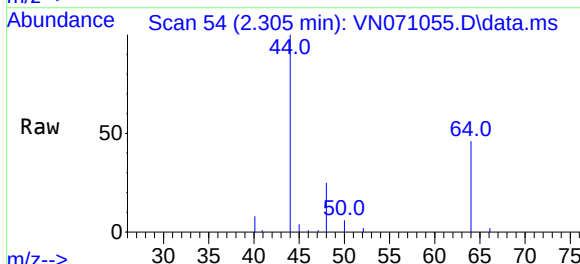
Instrument :
MSVOA_N
ClientSampleId :
31457

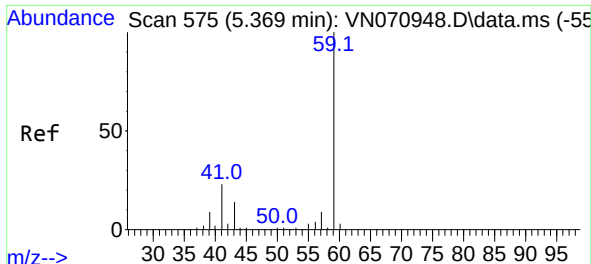
Tgt Ion:168 Resp: 845282
Ion Ratio Lower Upper
168 100
99 56.2 41.3 61.9



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 50 Resp: 2986
Ion Ratio Lower Upper
50 100
52 28.4 25.4 38.0





#11

Tert butyl alcohol

Concen: 0.978 ug/l

RT: 5.351 min Scan# 51

Delta R.T. -0.018 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

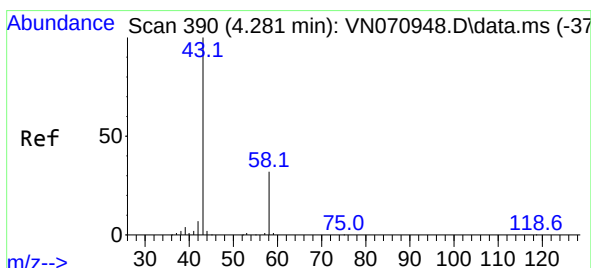
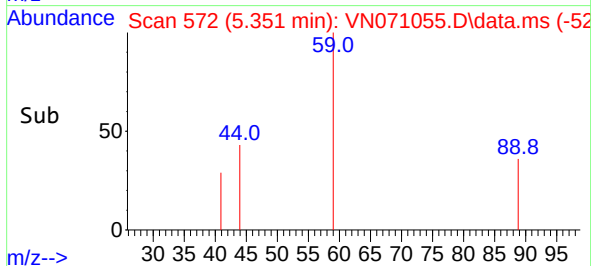
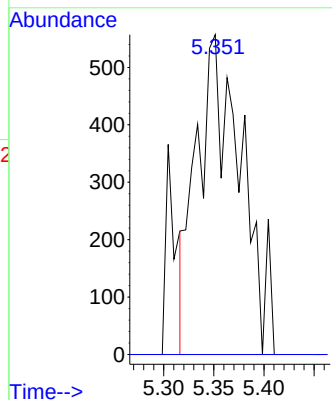
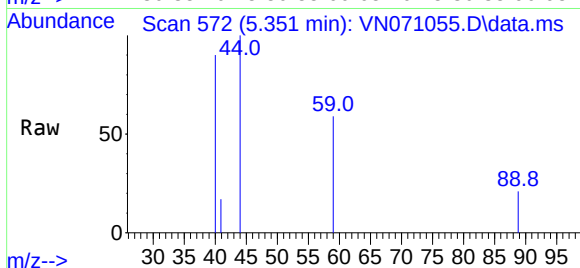
31457

Tgt Ion: 59 Resp: 1721

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 2.416 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN071055.D

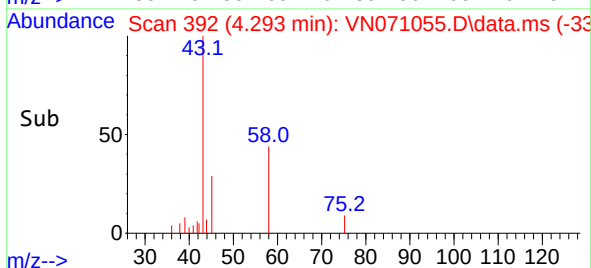
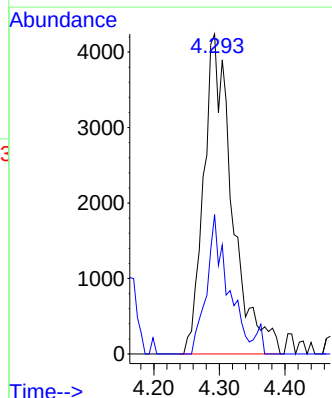
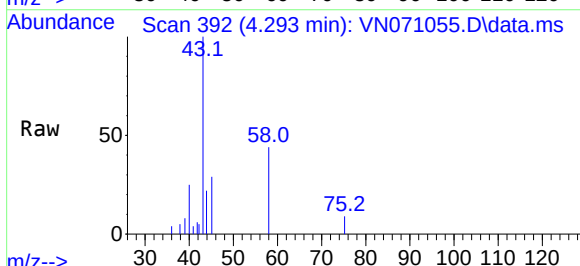
Acq: 24 Feb 2022 15:08

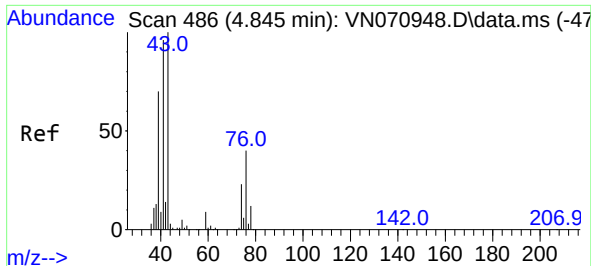
Tgt Ion: 43 Resp: 12847

Ion Ratio Lower Upper

43 100

58 43.5 23.1 34.7#





#18

Methyl Acetate

Concen: 1.263 ug/l

RT: 4.863 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

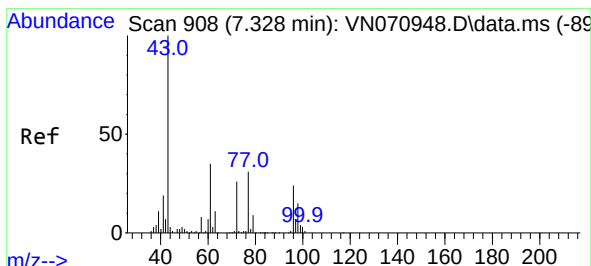
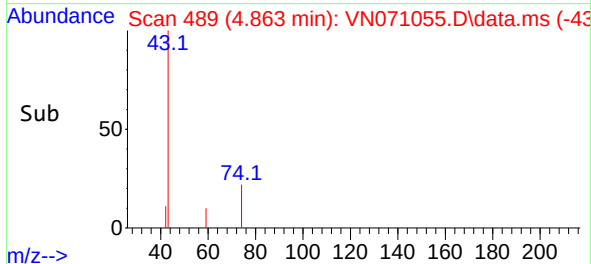
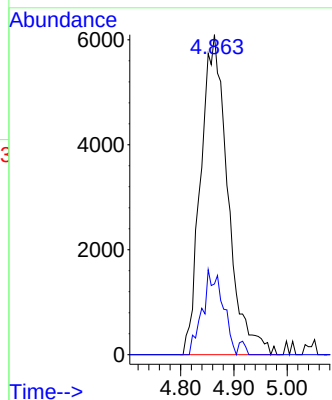
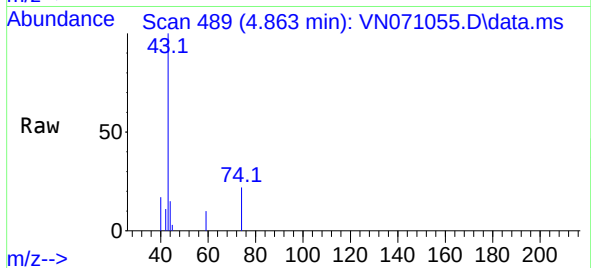
31457

Tgt Ion: 43 Resp: 21541

Ion Ratio Lower Upper

43 100

74 19.8 19.4 29.2



#25

2-Butanone

Concen: 0.639 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.024 min

Lab File: VN071055.D

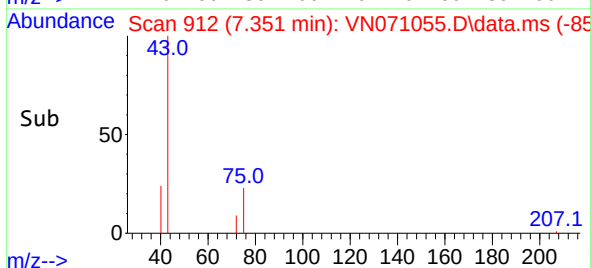
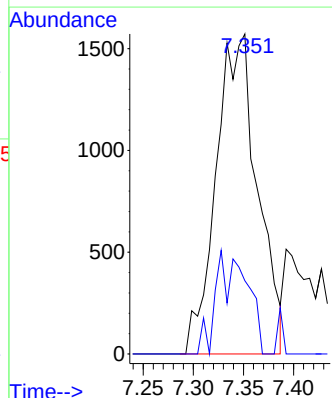
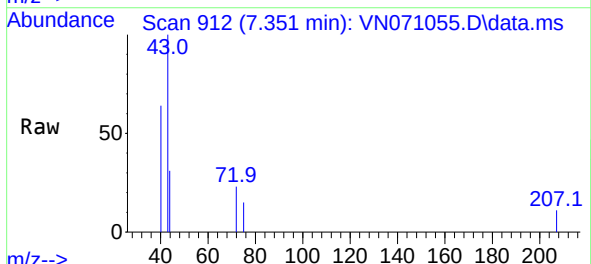
Acq: 24 Feb 2022 15:08

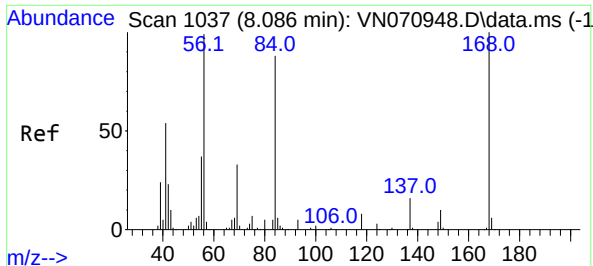
Tgt Ion: 43 Resp: 4521

Ion Ratio Lower Upper

43 100

72 22.9 21.7 32.5

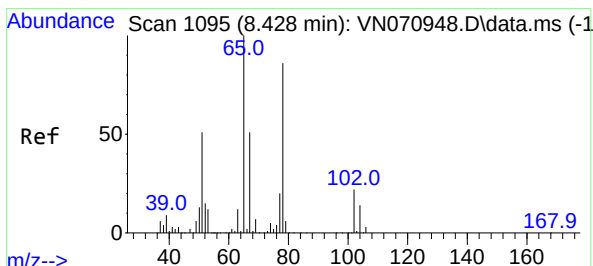
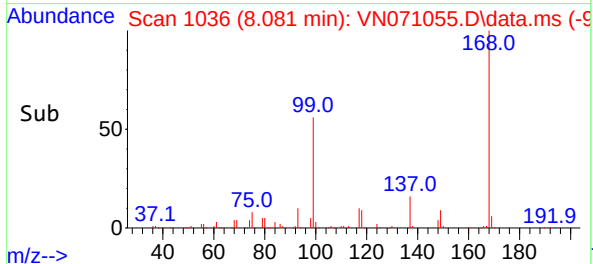
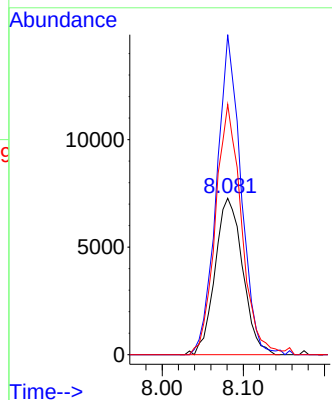
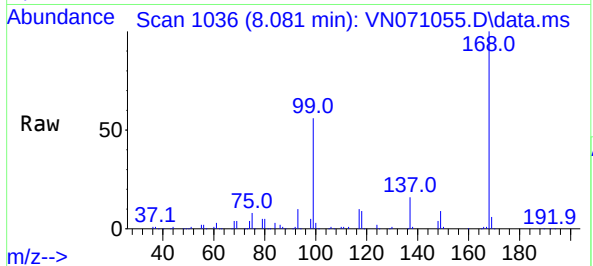




#31
Cyclohexane
Concen: 1.032 ug/l
RT: 8.081 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

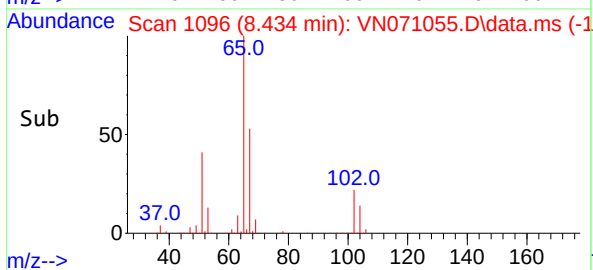
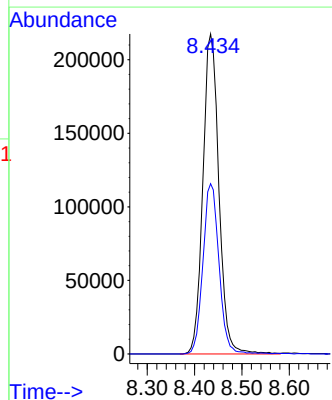
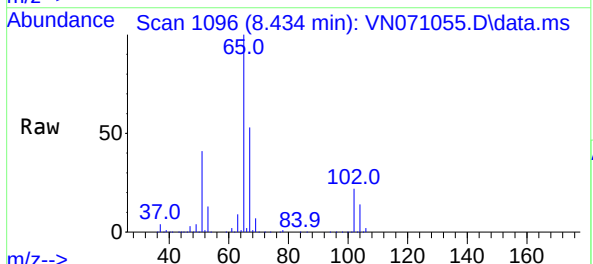
Instrument :
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ClientSampleId :
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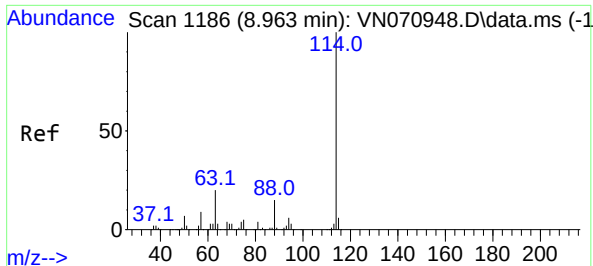
Tgt Ion: 56 Resp: 17232
Ion Ratio Lower Upper
56 100
69 204.5 27.1 40.7#
84 159.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.811 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 65 Resp: 509932
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

31457

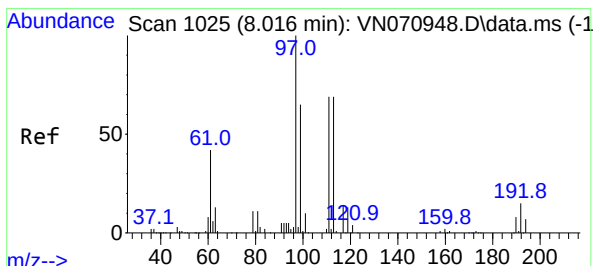
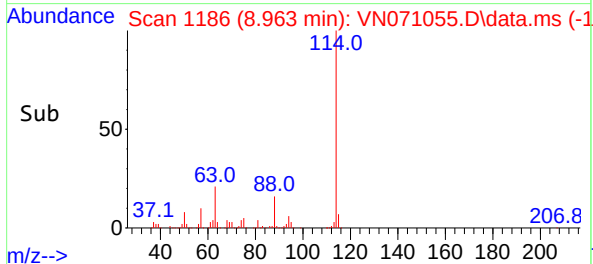
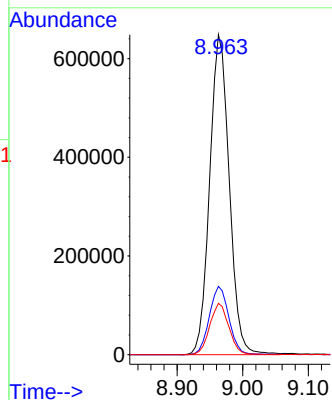
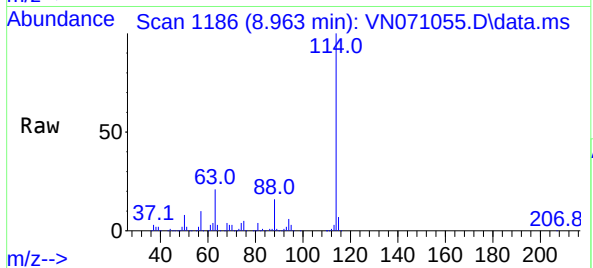
Tgt Ion:114 Resp: 1344092

Ion Ratio Lower Upper

114 100

63 21.4 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 49.351 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

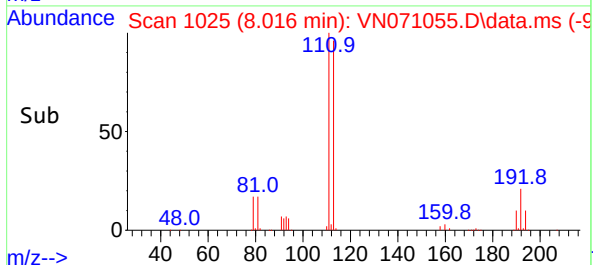
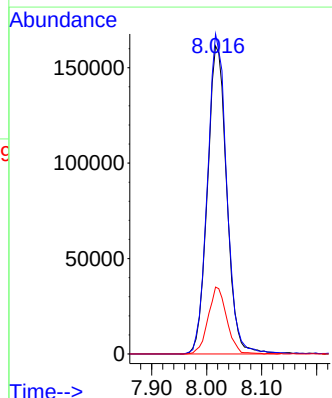
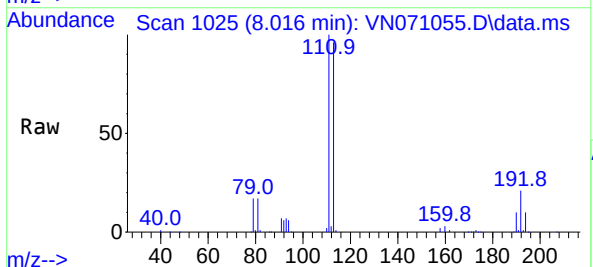
Tgt Ion:113 Resp: 394542

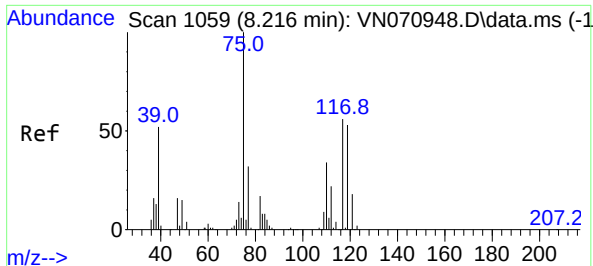
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.901 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

Instrument :

MSVOA_N

ClientSampleId :

31457

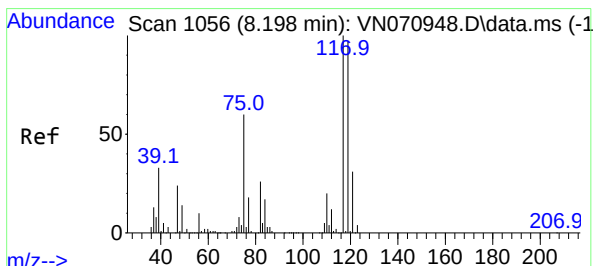
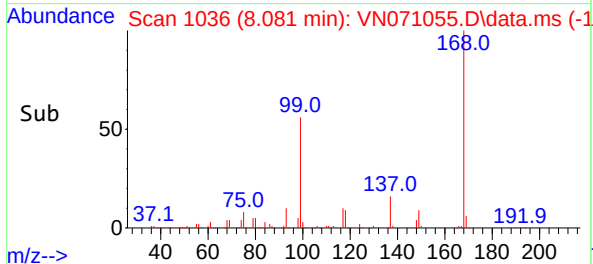
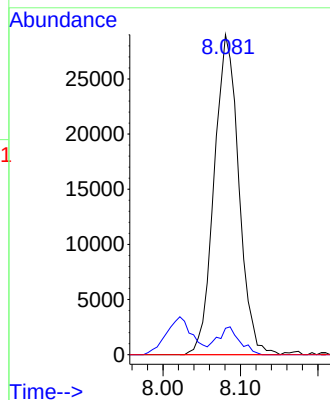
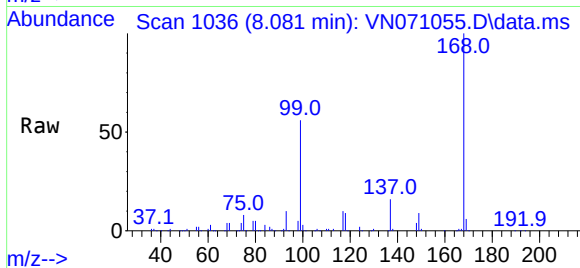
Tgt Ion: 75 Resp: 64199

Ion Ratio Lower Upper

75 100

110 7.8 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.296 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN071055.D

Acq: 24 Feb 2022 15:08

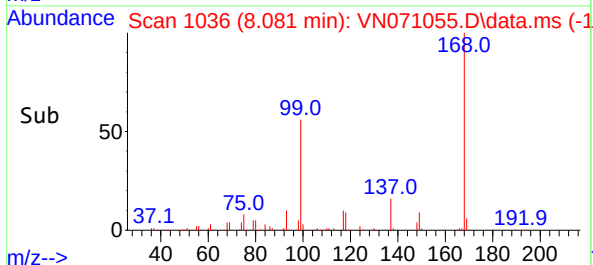
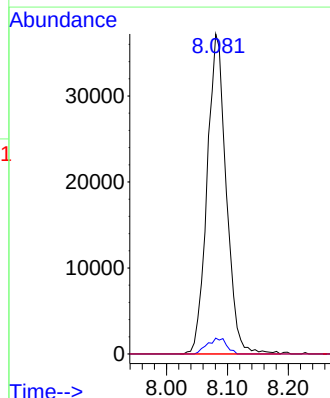
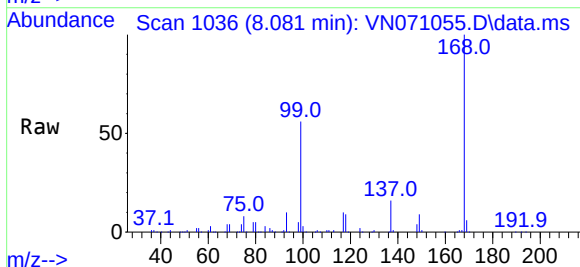
Tgt Ion: 117 Resp: 81258

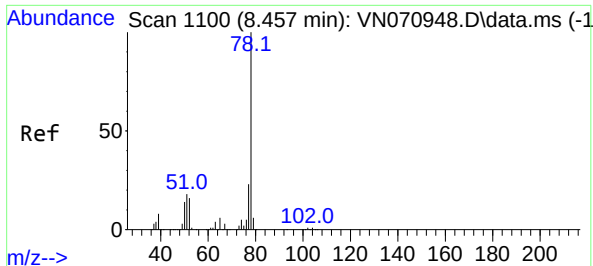
Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

121 0.0 24.2 36.2#

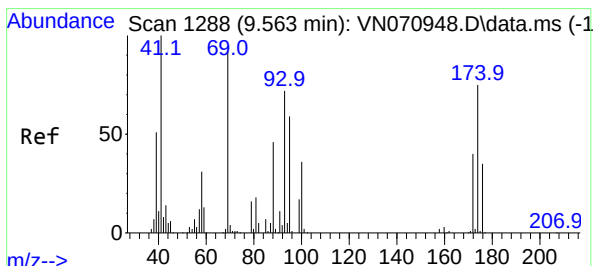
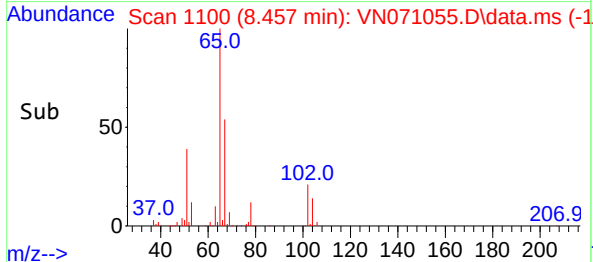
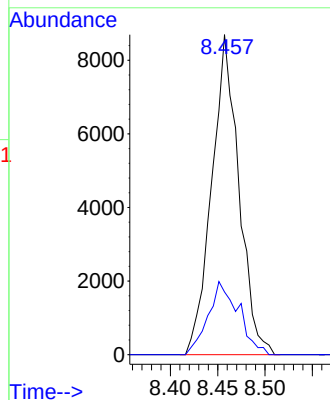
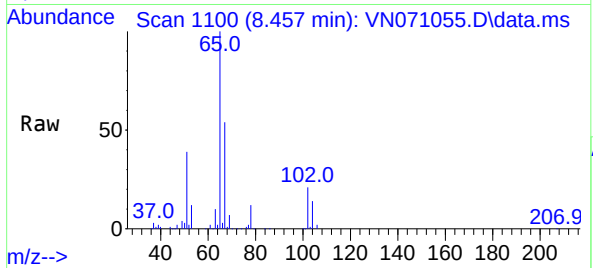




#40
Benzene
Concen: 0.448 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

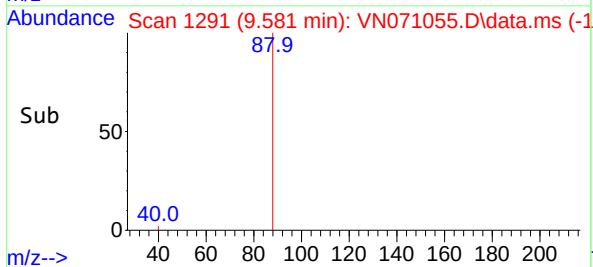
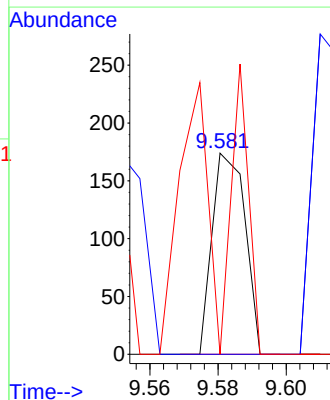
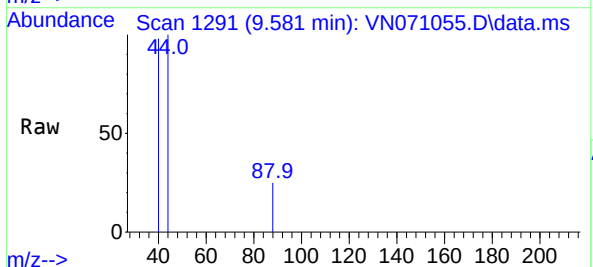
Instrument :
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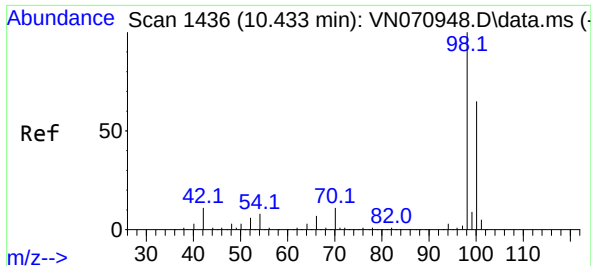
Tgt Ion: 78 Resp: 17348
Ion Ratio Lower Upper
78 100
77 19.6 18.6 27.8



#49
1,4-Dioxane
Concen: 0.623 ug/l
RT: 9.581 min Scan# 1291
Delta R.T. 0.018 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 196.6 50.6 75.8#

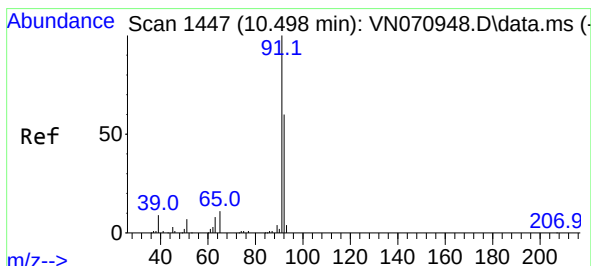
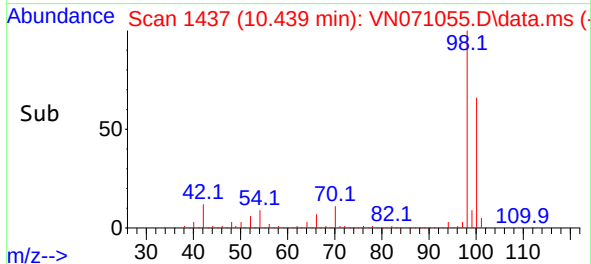
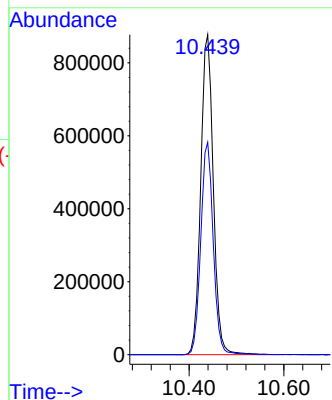
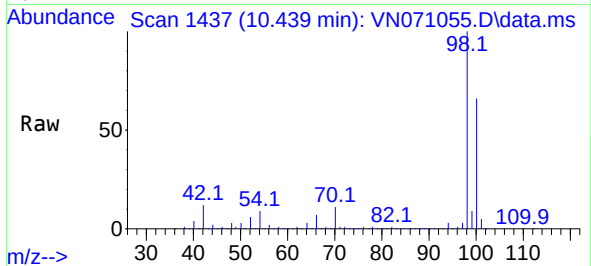




#50
Toluene-d8
Concen: 50.319 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

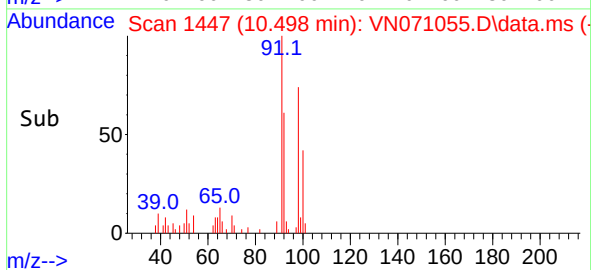
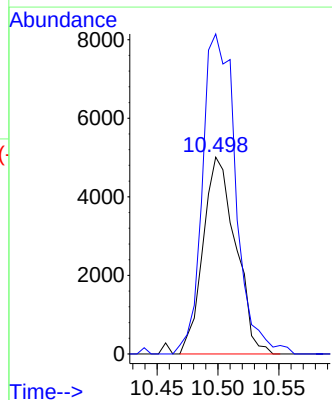
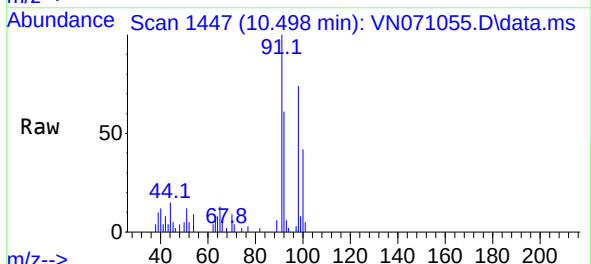
Instrument :
MSVOA_N
ClientSampleId :
31457

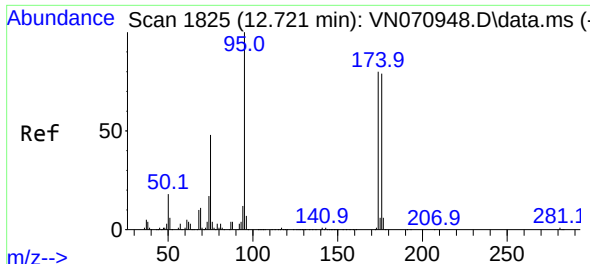
Tgt Ion: 98 Resp: 1615525
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#52
Toluene
Concen: 0.384 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 92 Resp: 9339
Ion Ratio Lower Upper
92 100
91 166.4 142.0 213.0

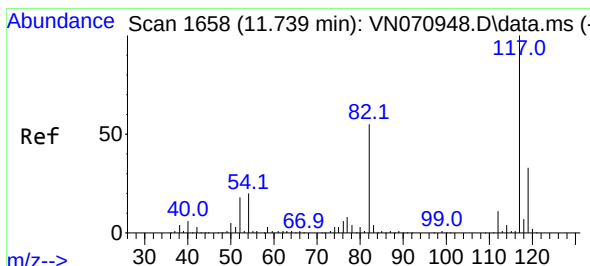
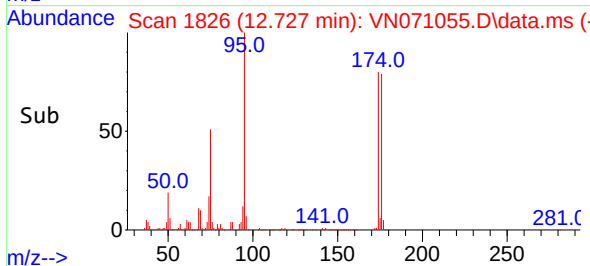
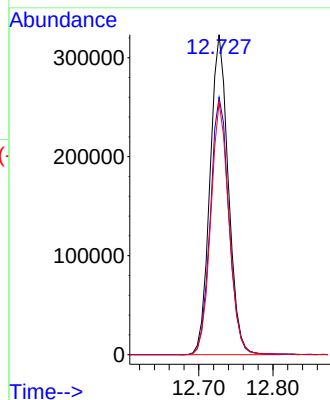
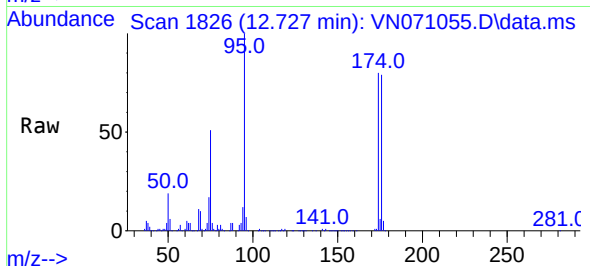




#62
4-Bromofluorobenzene
Concen: 48.409 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

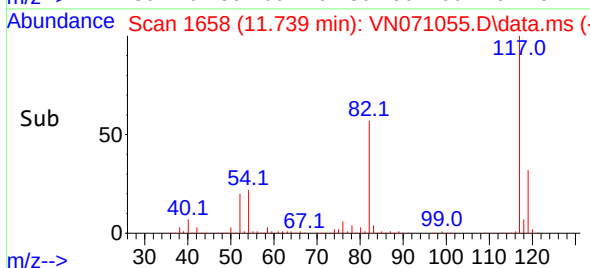
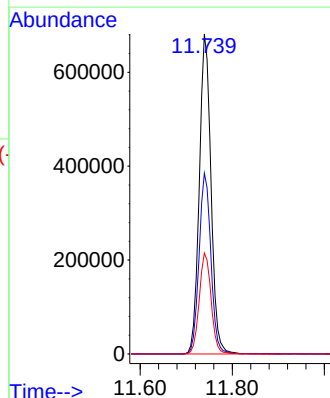
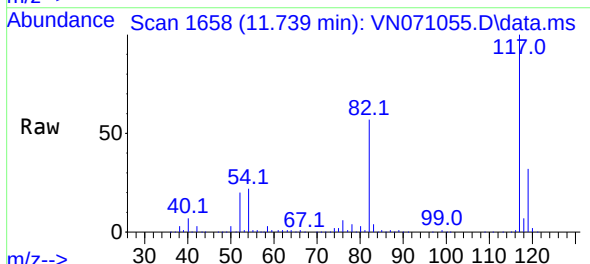
Instrument :
MSVOA_N
ClientSampleId :
31457

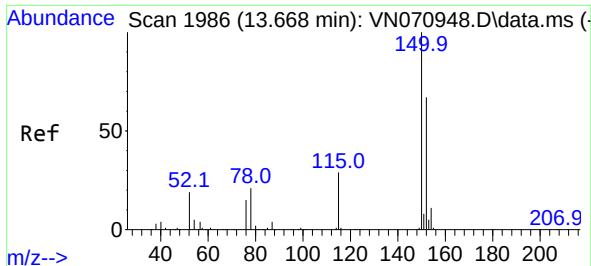
Tgt Ion: 95 Resp: 555543
Ion Ratio Lower Upper
95 100
174 81.5 0.0 187.2
176 78.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 117 Resp: 1201747
Ion Ratio Lower Upper
117 100
82 56.5 42.4 63.6
119 31.6 25.4 38.2

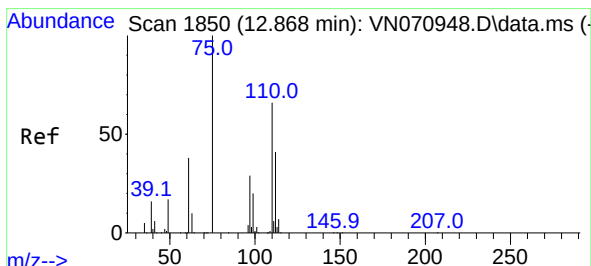
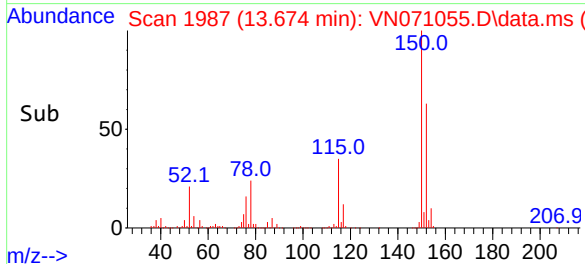
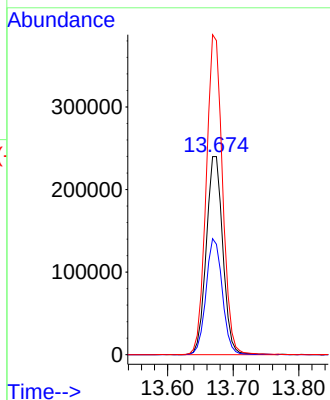
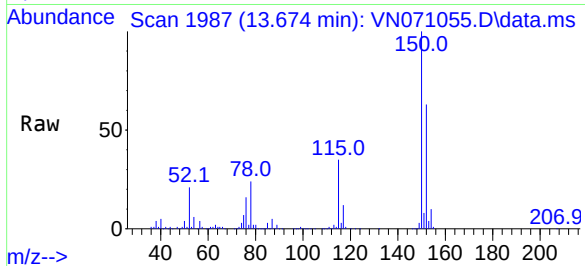




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

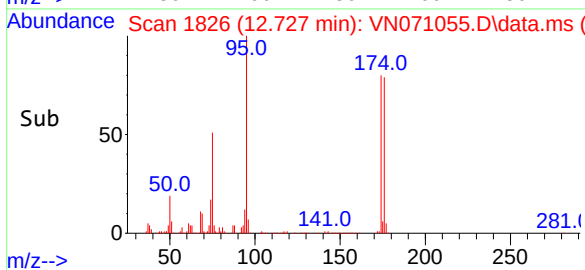
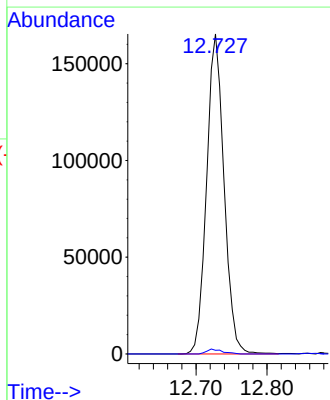
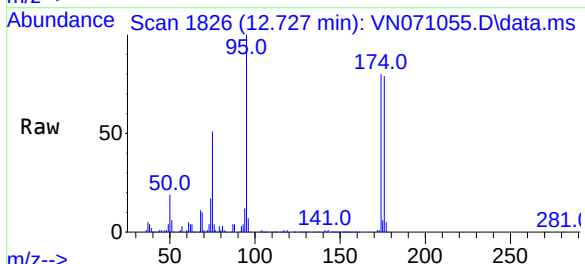
Instrument :
MSVOA_N
ClientSampleId :
31457

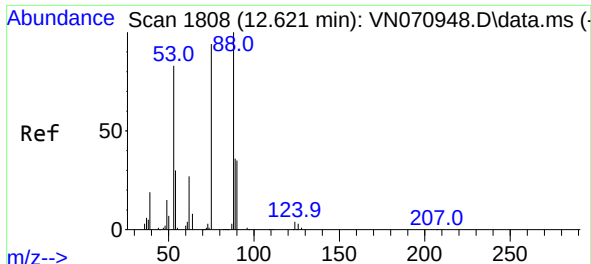
Tgt Ion:152 Resp: 421886
Ion Ratio Lower Upper
152 100
115 57.7 27.5 82.5
150 159.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.379 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion: 75 Resp: 281899
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#

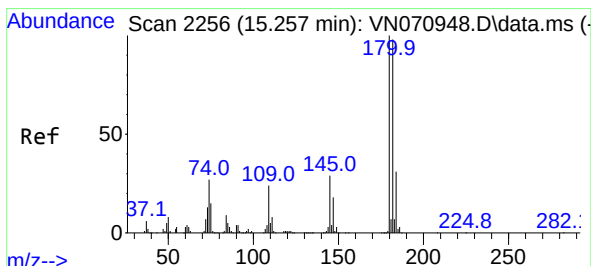
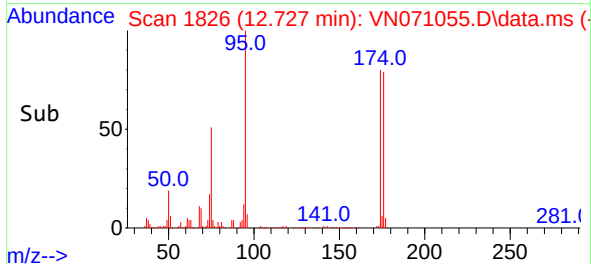
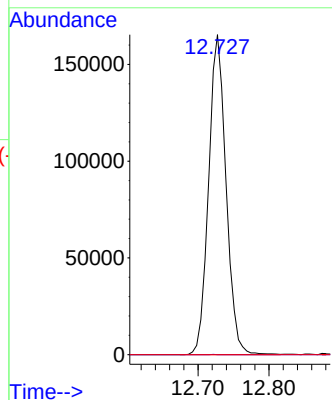
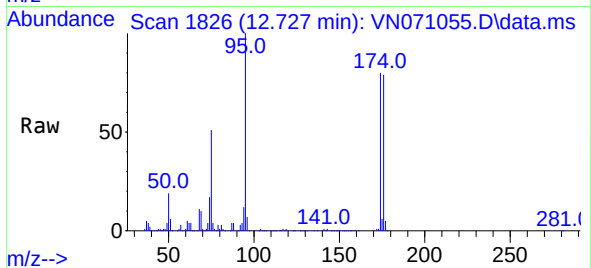




#81
trans-1,4-Dichloro-2-butene
Concen: 91.961 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

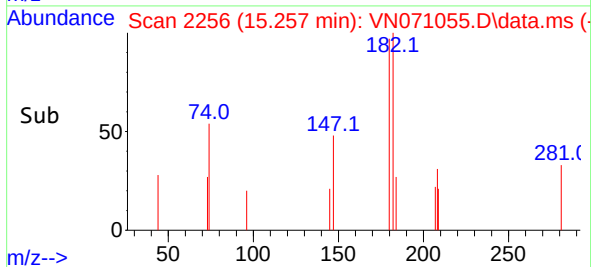
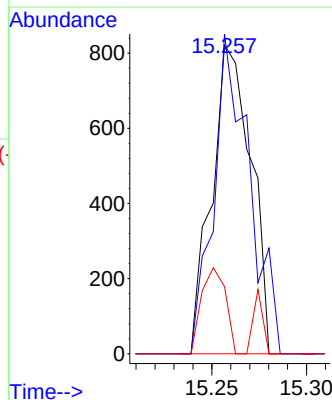
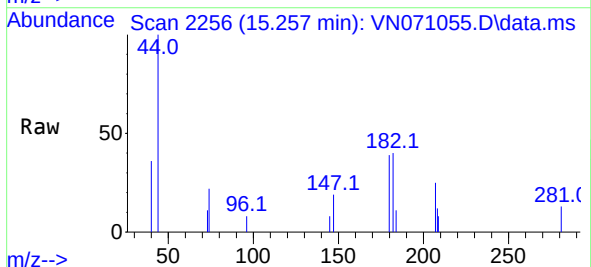
Instrument :
MSVOA_N
ClientSampleId :
31457

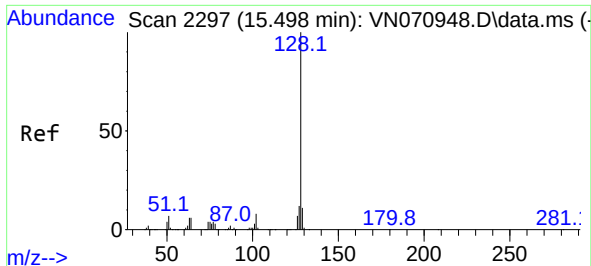
Tgt Ion: 75 Resp: 281899
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.145 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion:180 Resp: 1181
Ion Ratio Lower Upper
180 100
182 94.4 48.3 144.9
145 17.2 14.5 43.5

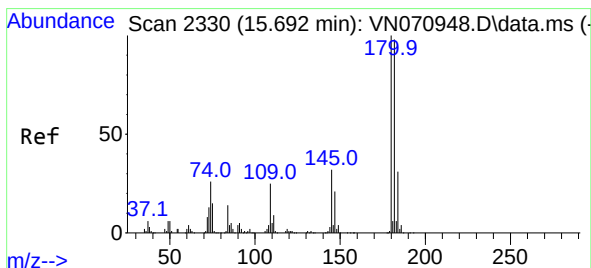
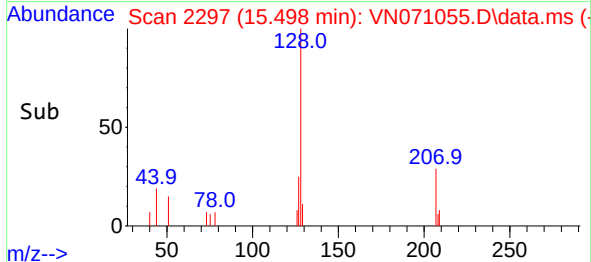
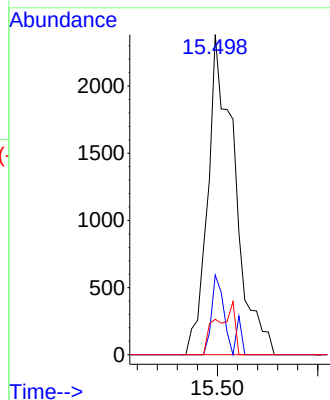
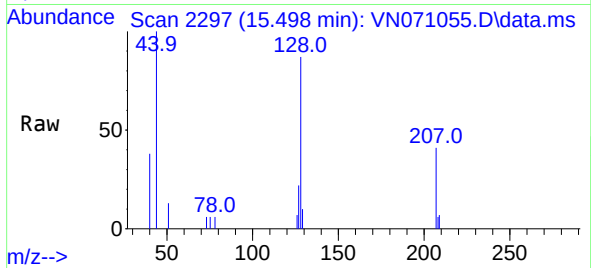




#95
Naphthalene
Concen: 5.203 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Instrument :
MSVOA_N
ClientSampleId :
31457

Tgt Ion:	128	Resp:	4468
Ion	Ratio	Lower	Upper
128	100		
127	11.0	10.5	15.7
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.699 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN071055.D
Acq: 24 Feb 2022 15:08

Tgt Ion:	180	Resp:	1378
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.4	142.2
145	27.1	15.0	45.1

