

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041122\
 Data File : VN071942.D
 Acq On : 11 Apr 2022 17:41
 Operator : JC\MD
 Sample : PB143992ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 12 08:41:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

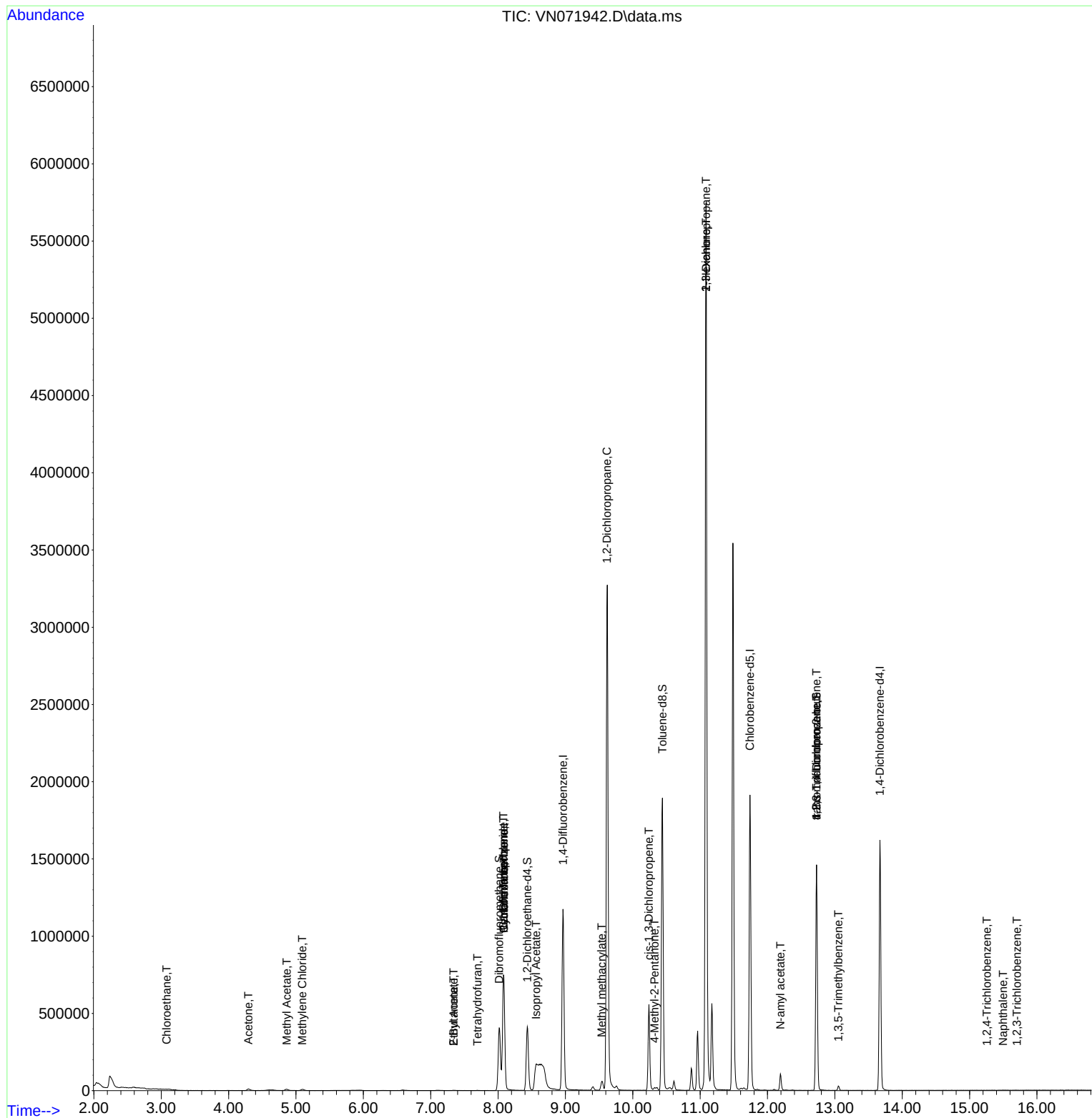
Internal Standards						
1) Pentafluorobenzene	8.086	168	634535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1101199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1181382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	475124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	343072	47.360	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.720%		
35) Dibromofluoromethane	8.016	113	307831	47.505	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.020%		
50) Toluene-d8	10.439	98	1400348	52.828	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.660%		
62) 4-Bromofluorobenzene	12.727	95	515864	60.173	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	120.340%		
Target Compounds						Qvalue
6) Chloroethane	3.081	64	13039	2.582	ug/l #	42
16) Acetone	4.293	43	17656	5.703	ug/l	97
18) Methyl Acetate	4.863	43	19087	1.006	ug/l	99
20) Methylene Chloride	5.093	84	7071	1.084	ug/l	89
25) 2-Butanone	7.339	43	3775	0.846	ug/l	100
29) Tetrahydrofuran	7.692	42	971	0.336	ug/l #	73
31) Cyclohexane	8.086	56	10340	1.050	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	43021	4.754	ug/l #	48
37) Ethyl Acetate	7.339	43	3775	0.381	ug/l #	67
38) Carbon Tetrachloride	8.081	117	58306	6.575	ug/l #	16
43) Isopropyl Acetate	8.563	43	219899	13.348	ug/l #	66
45) 1,2-Dichloropropane	9.616	63	4523	0.633	ug/l #	44
48) Methyl methacrylate	9.539	41	14855	2.173	ug/l #	11
49) 1,4-Dioxane	9.616	88	675	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.322	43	9783	1.033	ug/l	93
54) cis-1,3-Dichloropropene	10.239	75	113969	10.312	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	68385	5.500	ug/l #	42
59) 2-Hexanone	11.086	43	813209	121.947	ug/l #	48
74) N-amyl acetate	12.192	43	30933	2.697	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	244390	22.204	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	14498	0.457	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.727	75	244390	68.809	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	145	2.104	ug/l #	1
95) Naphthalene	15.498	128	1096	3.850	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	327	2.457	ug/l #	27

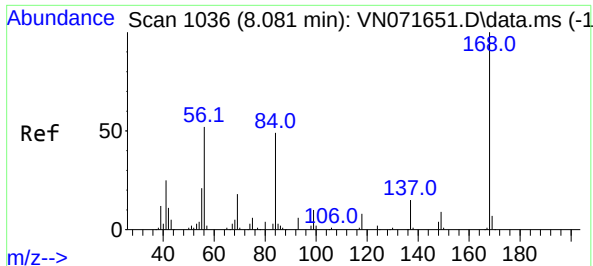
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

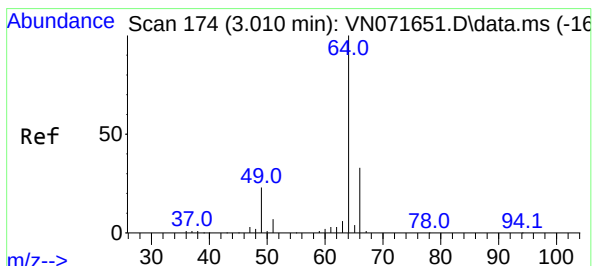
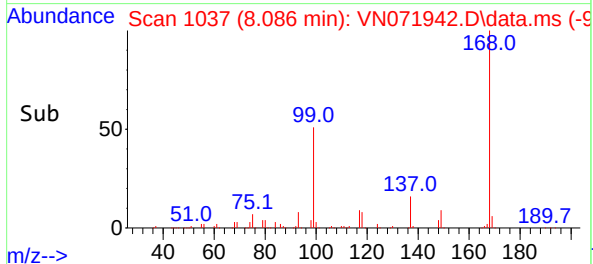
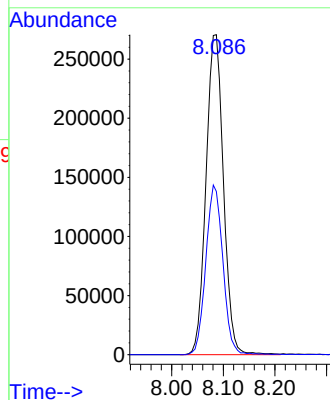
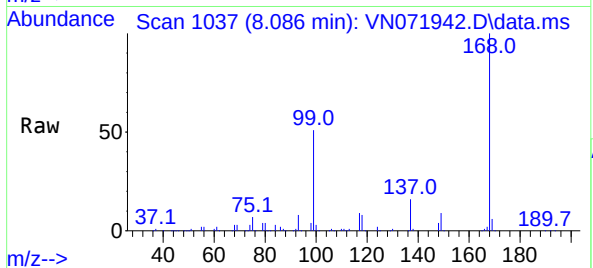




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

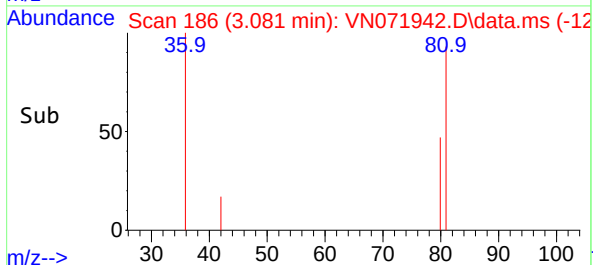
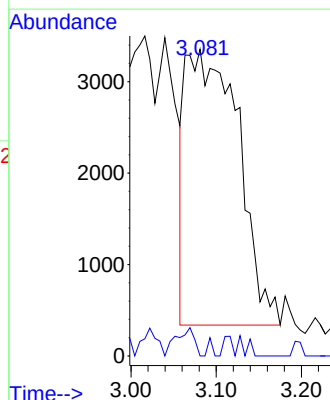
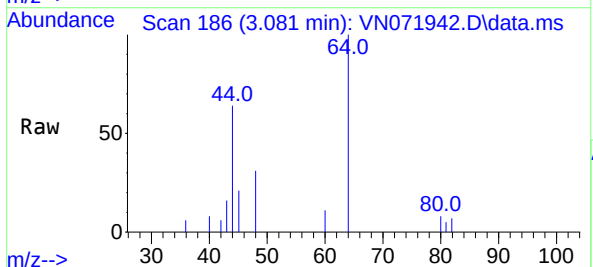
Instrument :
MSVOA_N
ClientSampleId :

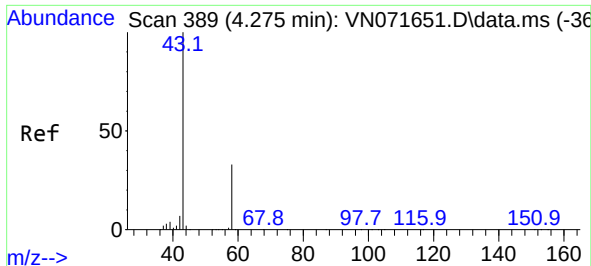
Tgt Ion:168 Resp: 634535
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#6
Chloroethane
Concen: 2.582 ug/l
RT: 3.081 min Scan# 186
Delta R.T. 0.071 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion: 64 Resp: 13039
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

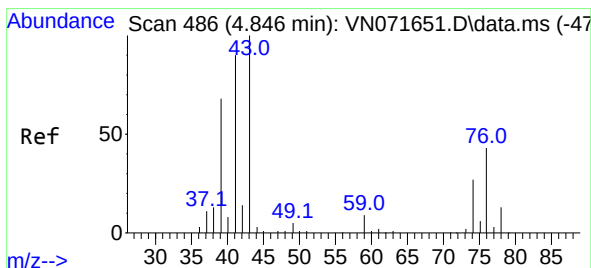
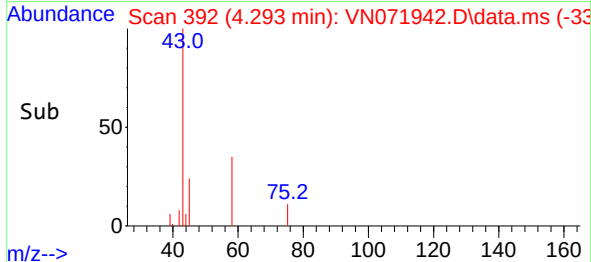
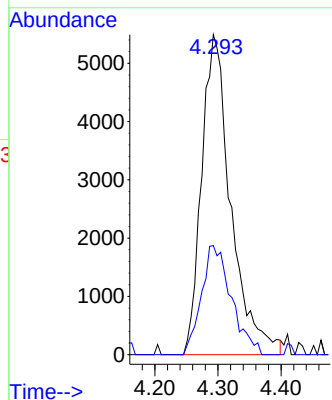
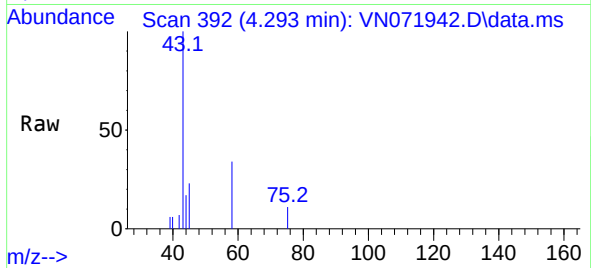




#16
Acetone
Concen: 5.703 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

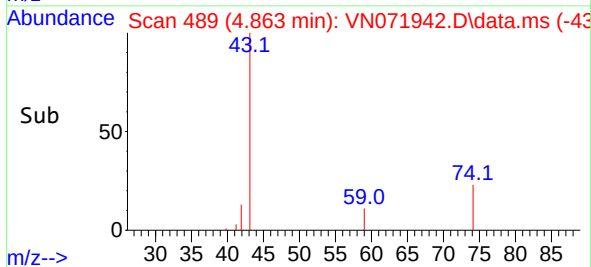
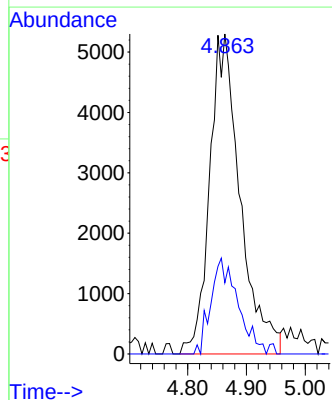
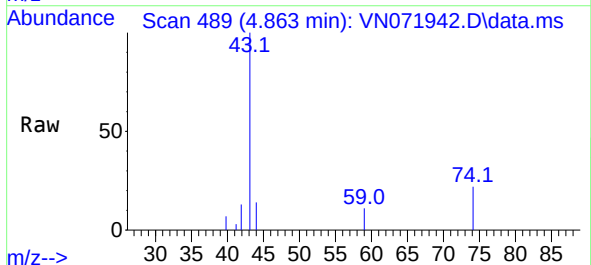
Instrument :
MSVOA_N
ClientSampleId :

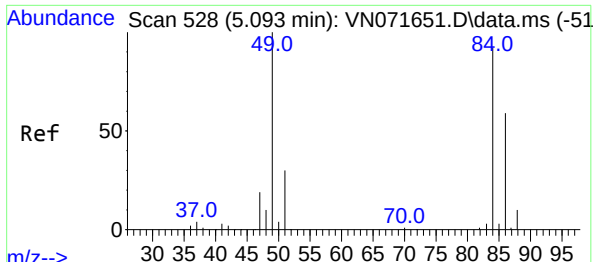
Tgt Ion: 43 Resp: 17656
Ion Ratio Lower Upper
43 100
58 34.1 26.0 39.0



#18
Methyl Acetate
Concen: 1.006 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

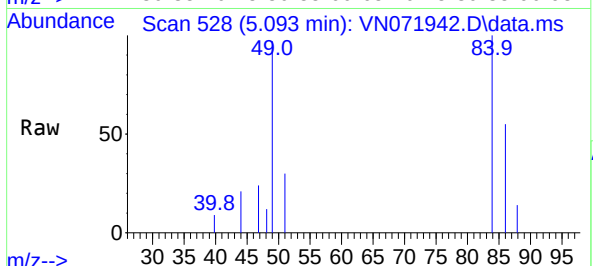
Tgt Ion: 43 Resp: 19087
Ion Ratio Lower Upper
43 100
74 26.5 21.6 32.4





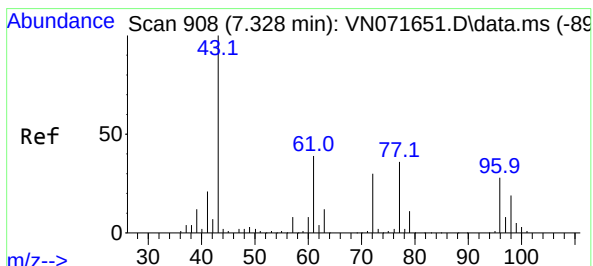
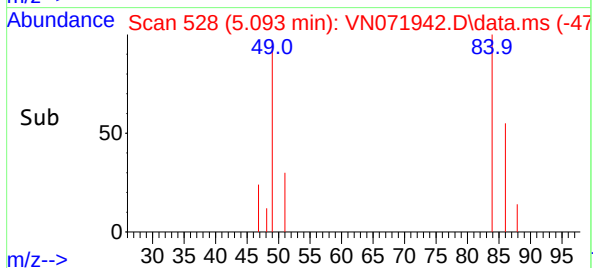
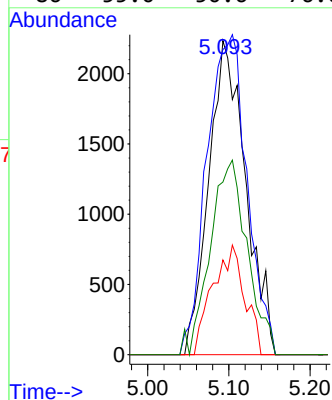
#20
Methylene Chloride
Concen: 1.084 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 7071

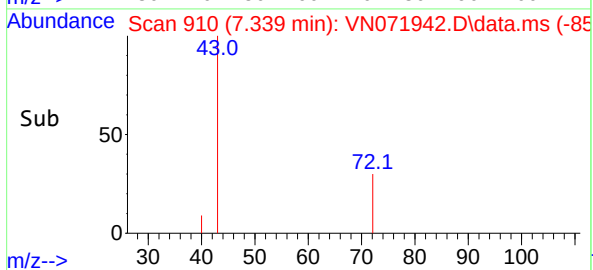
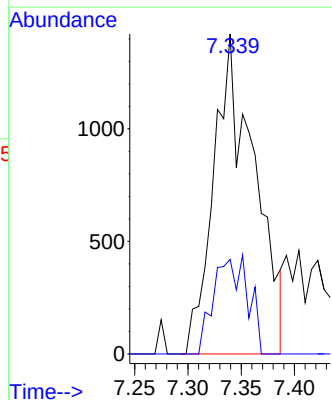
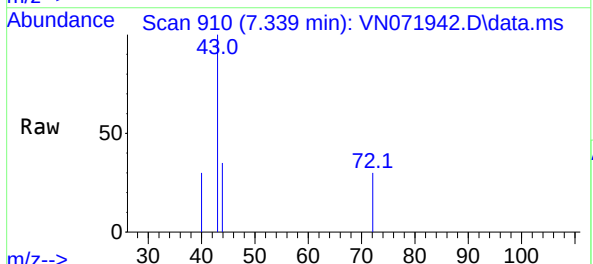
Ion	Ratio	Lower	Upper
84	100		
49	97.2	88.3	132.5
51	30.2	28.2	42.2
86	55.0	50.6	76.0

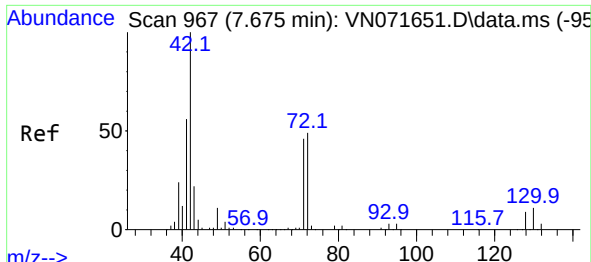


#25
2-Butanone
Concen: 0.846 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion: 43 Resp: 3775

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 7.692 min Scan# 91

Delta R.T. 0.017 min

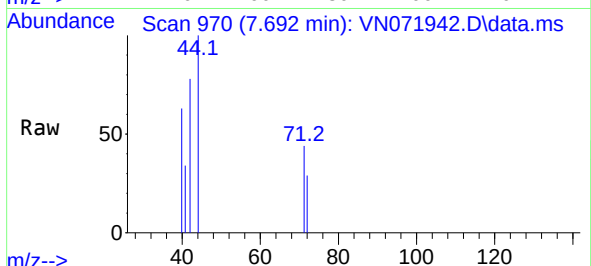
Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :



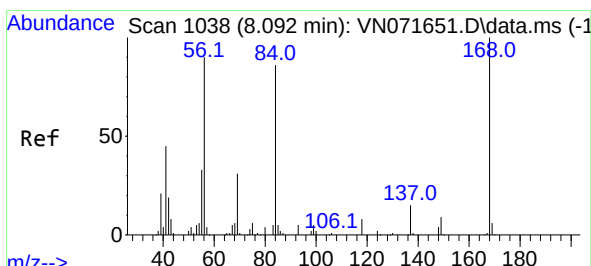
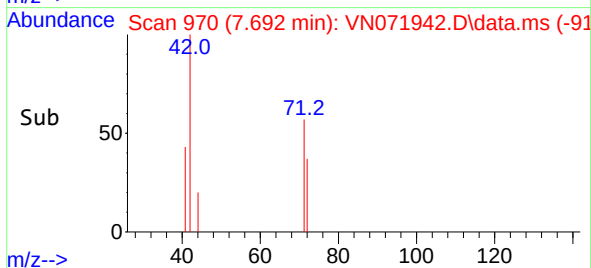
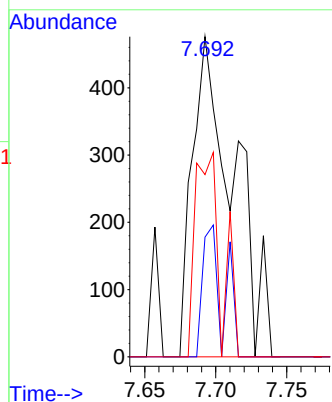
Tgt Ion: 42 Resp: 971

Ion Ratio Lower Upper

42 100

72 19.8 39.7 59.5#

71 39.2 36.6 55.0



#31

Cyclohexane

Concen: 1.050 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

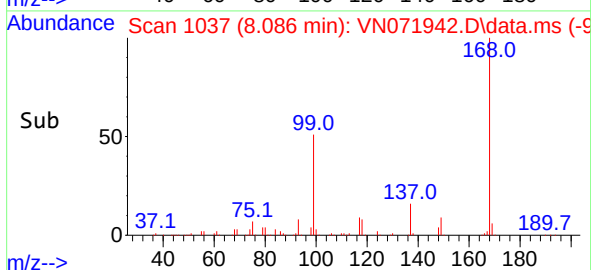
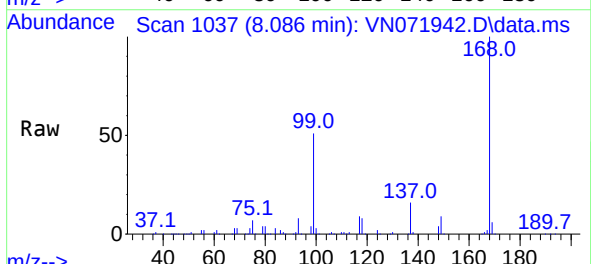
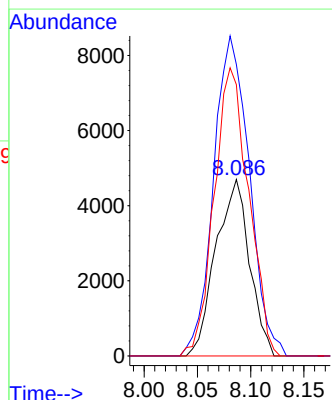
Tgt Ion: 56 Resp: 10340

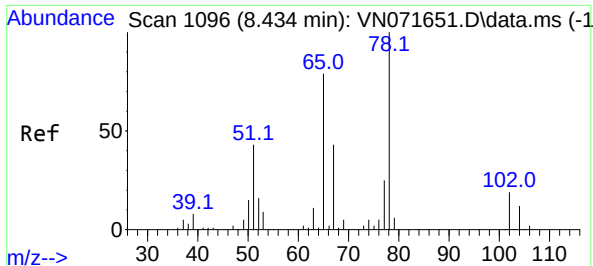
Ion Ratio Lower Upper

56 100

69 165.2 27.8 41.8#

84 153.8 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 47.360 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

Instrument :

MSVOA_N

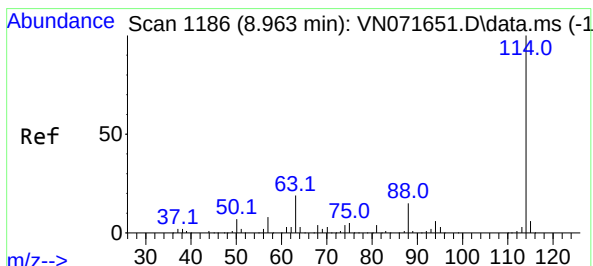
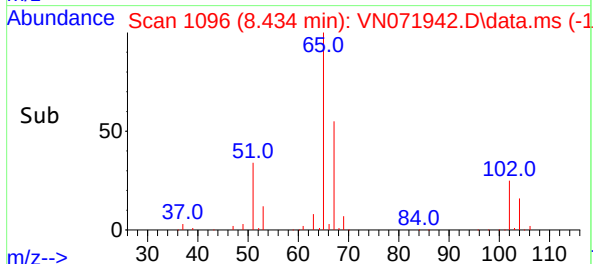
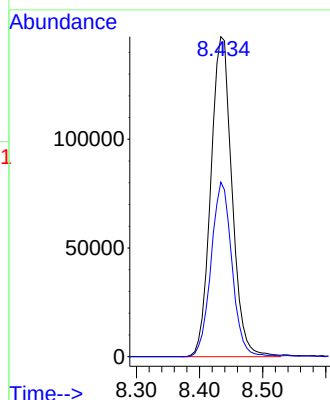
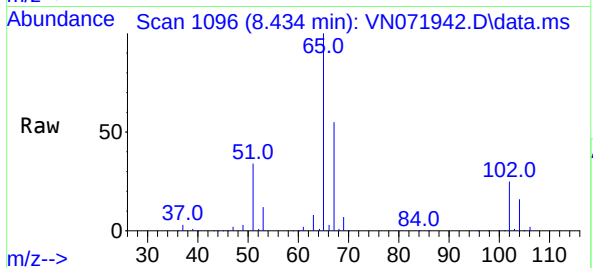
ClientSampleId :

Tgt Ion: 65 Resp: 343072

Ion Ratio Lower Upper

65 100

67 53.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

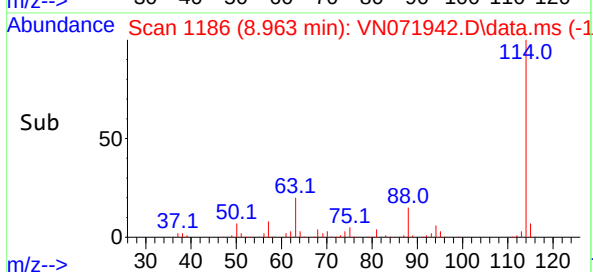
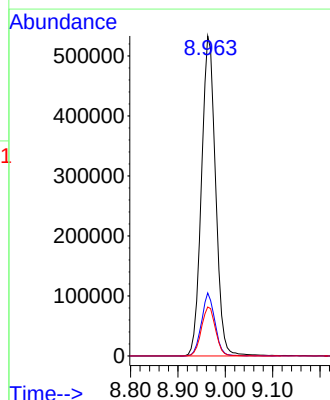
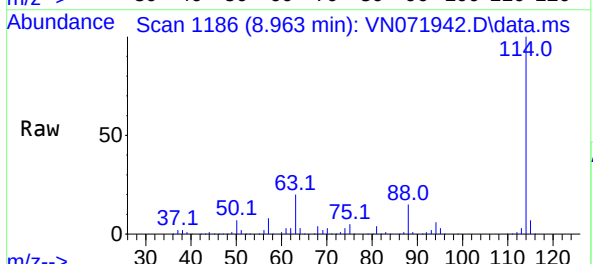
Tgt Ion: 114 Resp: 1101199

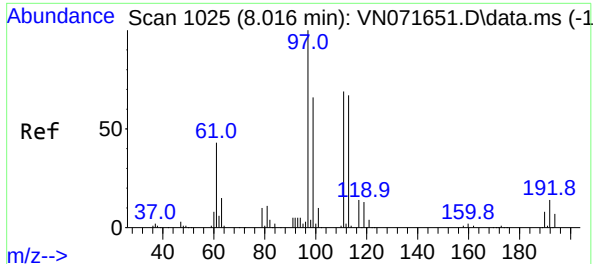
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.505 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

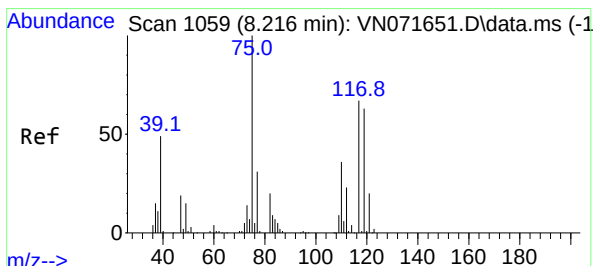
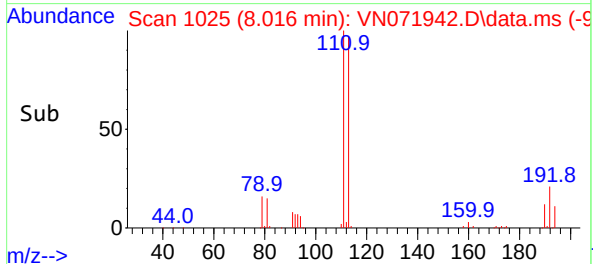
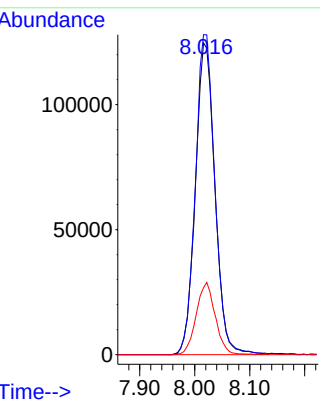
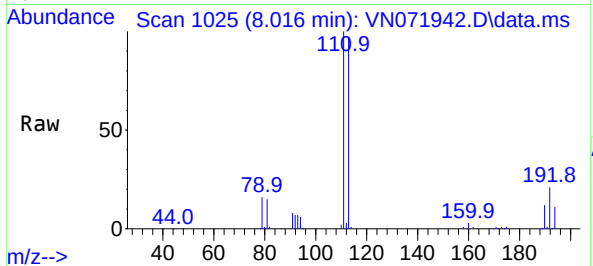
Tgt Ion:113 Resp: 307831

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 22.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

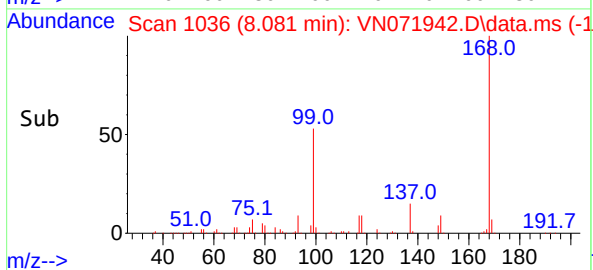
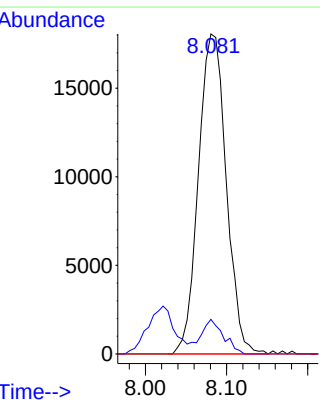
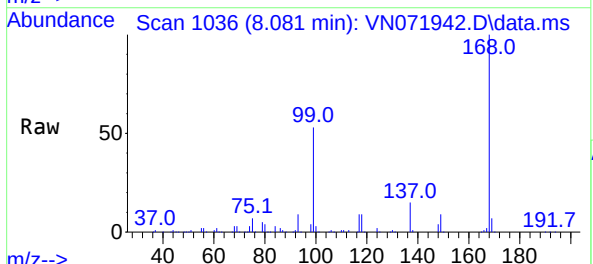
Tgt Ion: 75 Resp: 43021

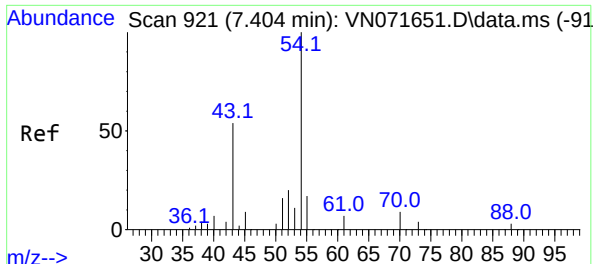
Ion Ratio Lower Upper

75 100

110 7.9 18.3 54.8#

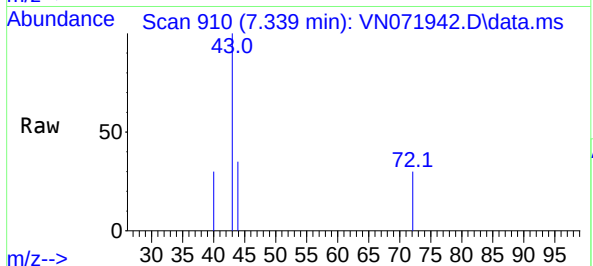
77 0.0 25.1 37.7#



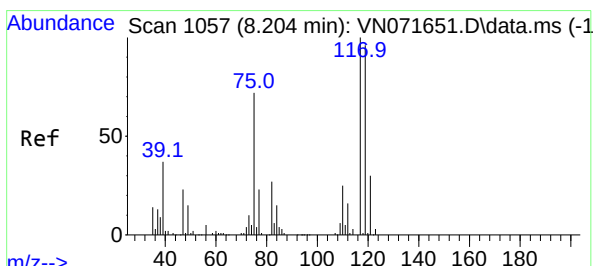
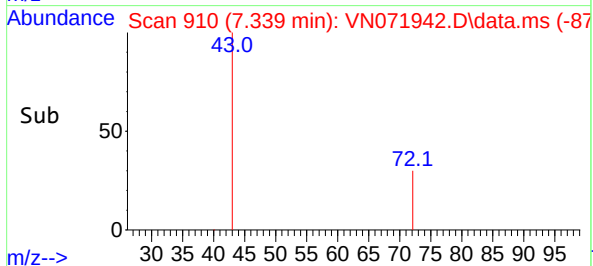
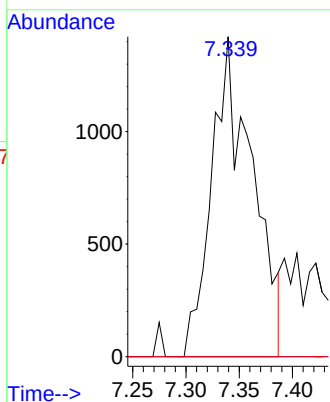


#37
Ethyl Acetate
Concen: 0.381 ug/l
RT: 7.339 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

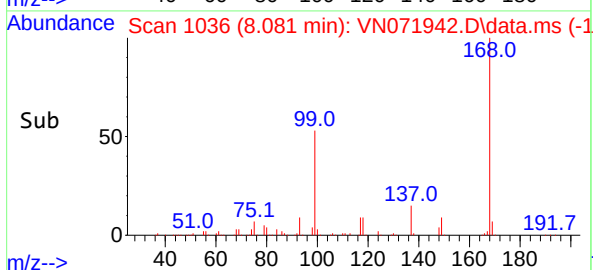
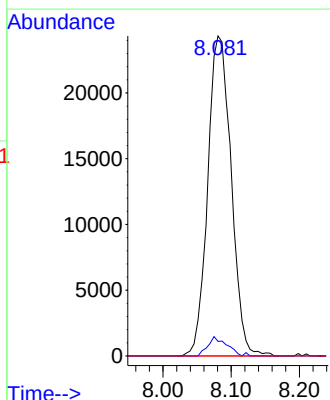
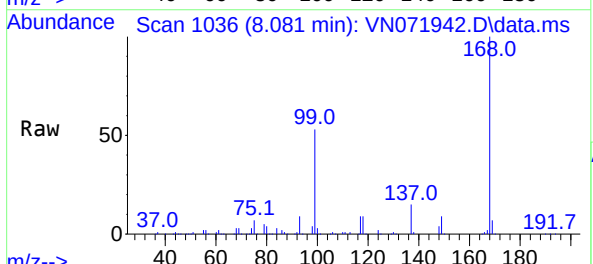


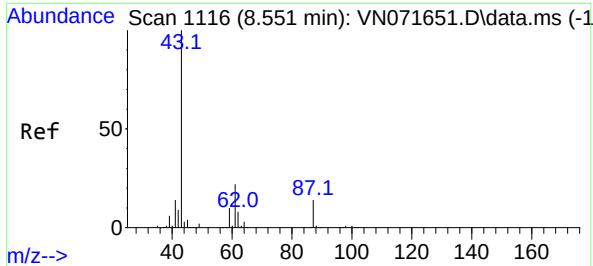
Tgt Ion: 43 Resp: 3775
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.575 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

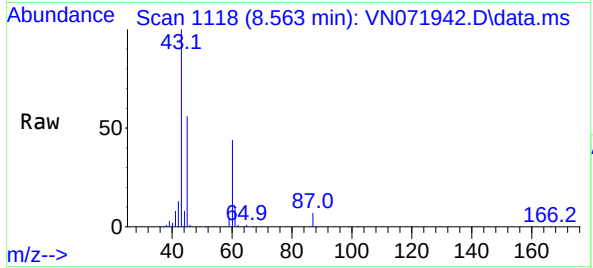
Tgt Ion: 117 Resp: 58306
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



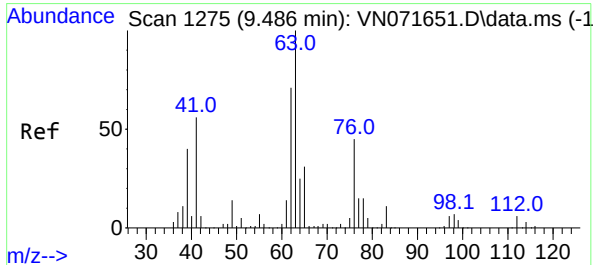
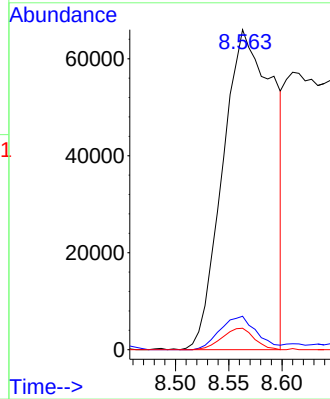
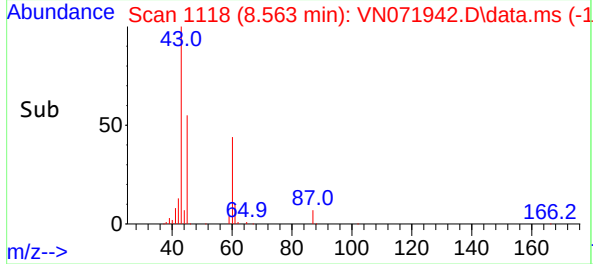


#43
Isopropyl Acetate
Concen: 13.348 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

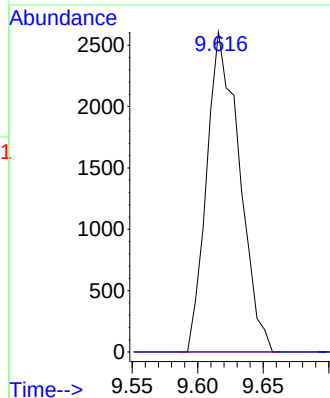
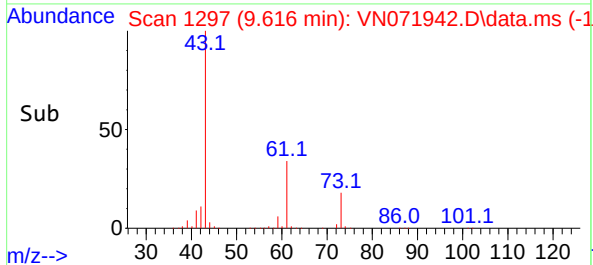
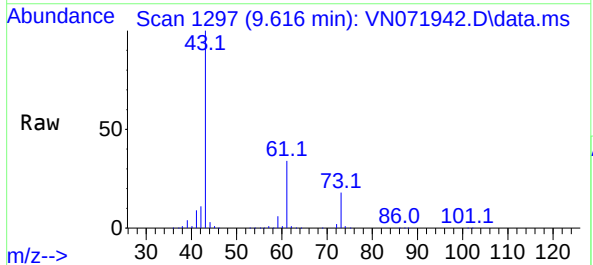


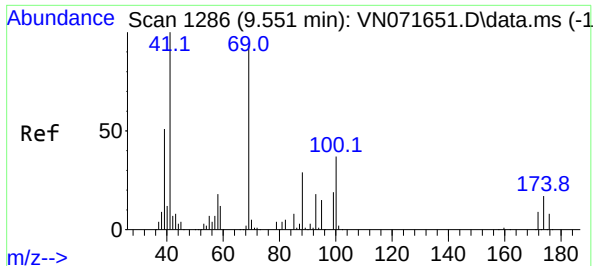
Tgt Ion: 43 Resp: 219899
Ion Ratio Lower Upper
43 100
61 7.5 21.9 32.9#
87 4.2 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion: 63 Resp: 4523
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.173 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

Instrument :

MSVOA_N

ClientSampleId :

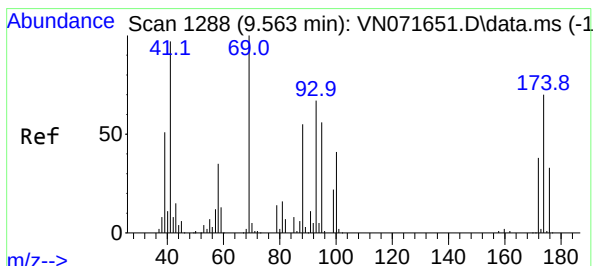
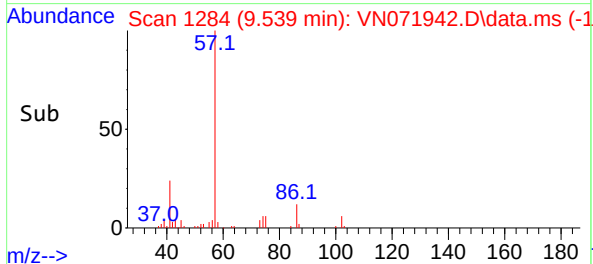
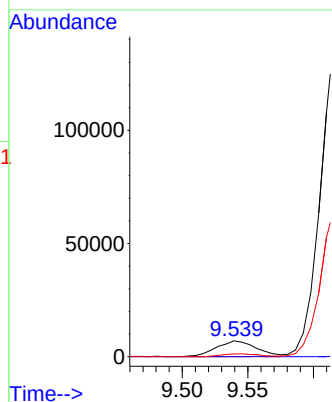
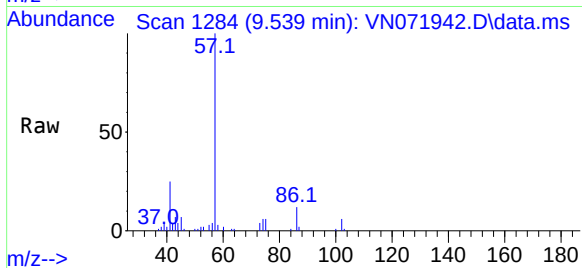
Tgt Ion: 41 Resp: 14855

Ion Ratio Lower Upper

41 100

69 0.6 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.616 min Scan# 1297

Delta R.T. 0.053 min

Lab File: VN071942.D

Acq: 11 Apr 2022 17:41

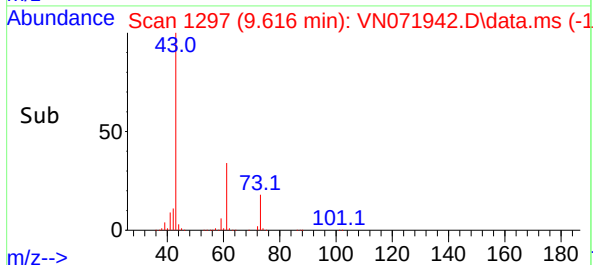
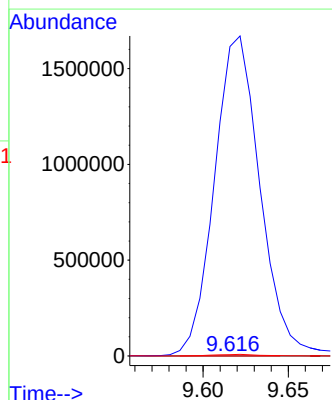
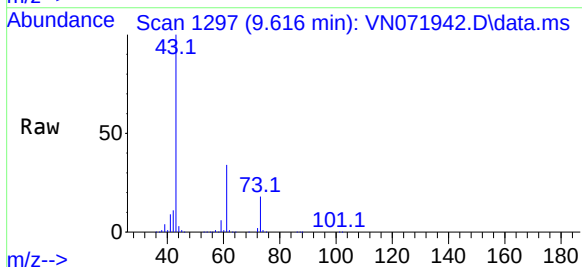
Tgt Ion: 88 Resp: 675

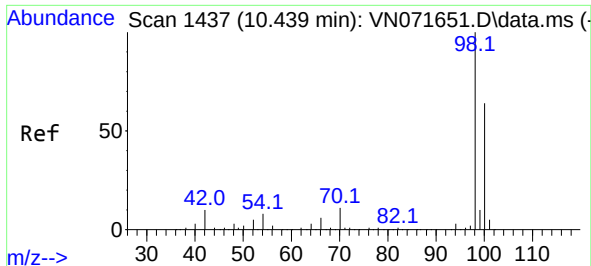
Ion Ratio Lower Upper

88 100

43 468004.9 20.2 30.4#

58 2284.9 54.2 81.4#

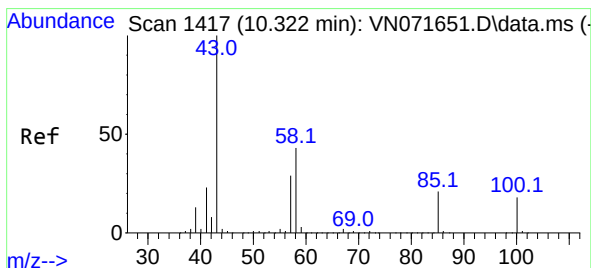
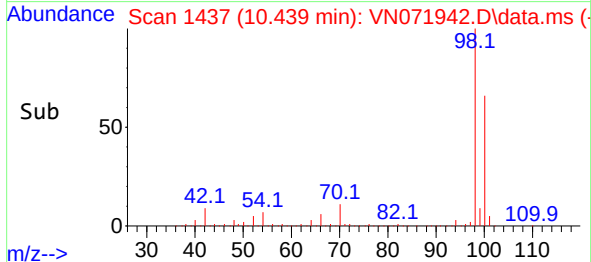
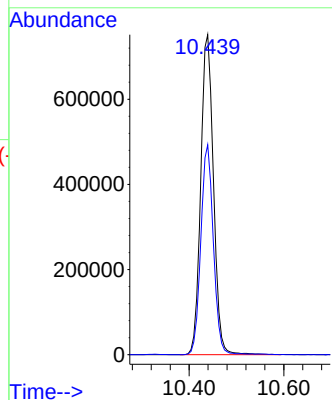
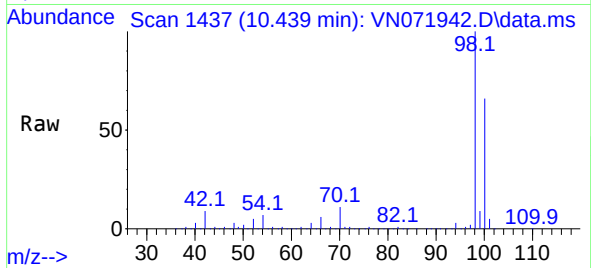




#50
Toluene-d8
Concen: 52.828 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

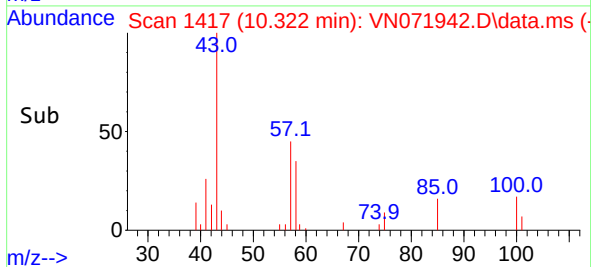
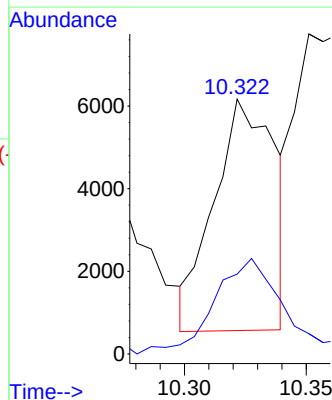
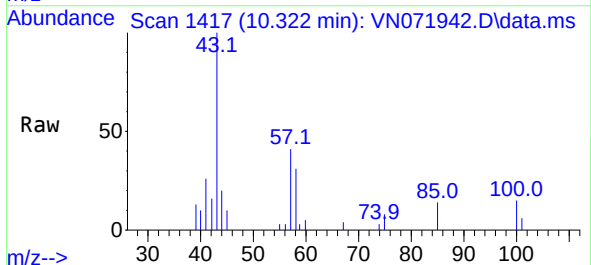
Instrument :
MSVOA_N
ClientSampleId :

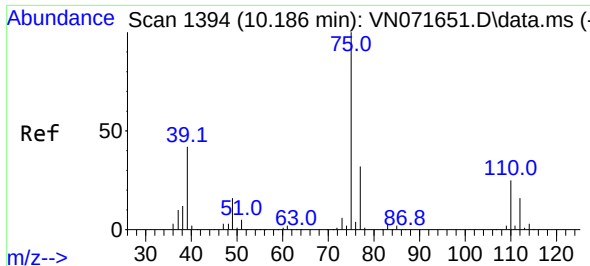
Tgt Ion: 98 Resp: 1400348
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.033 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion: 43 Resp: 9783
Ion Ratio Lower Upper
43 100
58 47.3 34.1 51.1

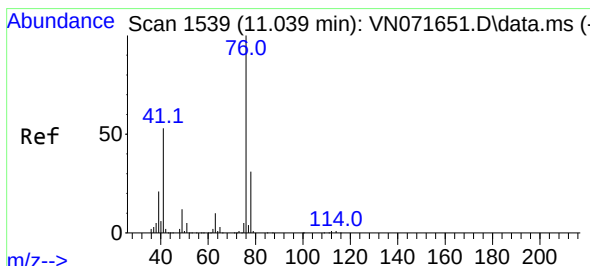
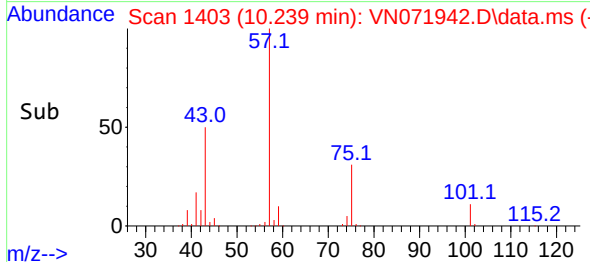
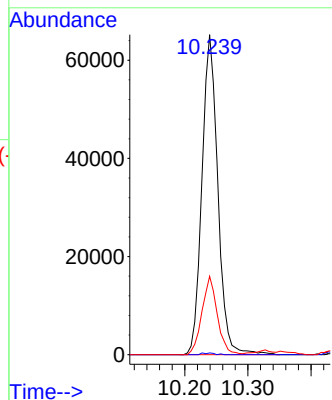
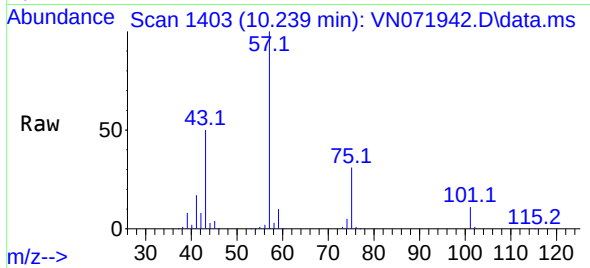




#54
cis-1,3-Dichloropropene
Concen: 10.312 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

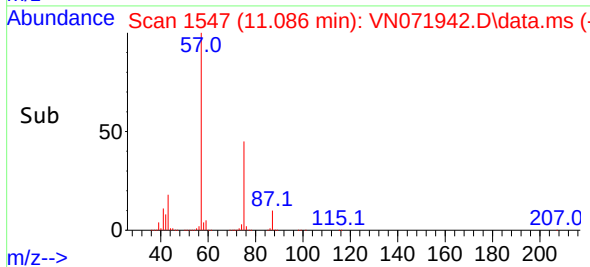
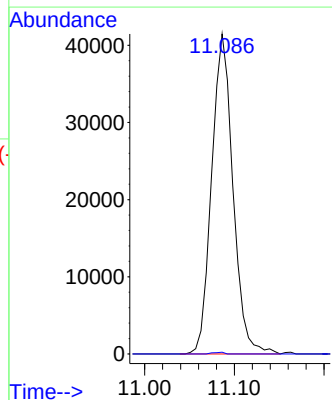
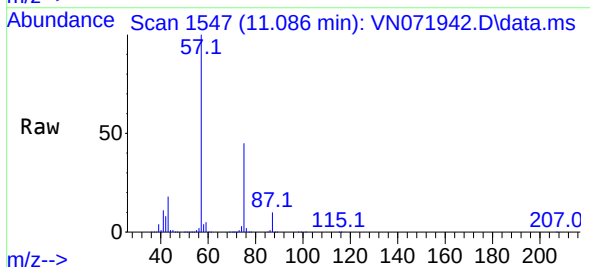
Instrument :
MSVOA_N
ClientSampleId :

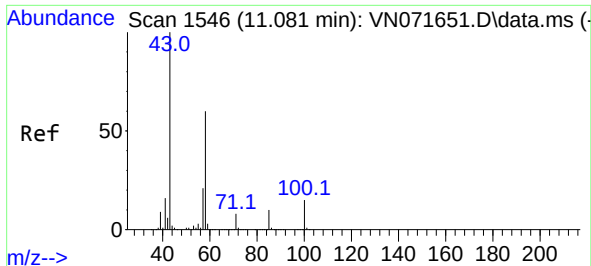
Tgt Ion: 75 Resp: 113969
Ion Ratio Lower Upper
75 100
77 0.5 25.2 37.8#
39 24.5 35.7 53.5#



#57
1,3-Dichloropropane
Concen: 5.500 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion: 76 Resp: 68385
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

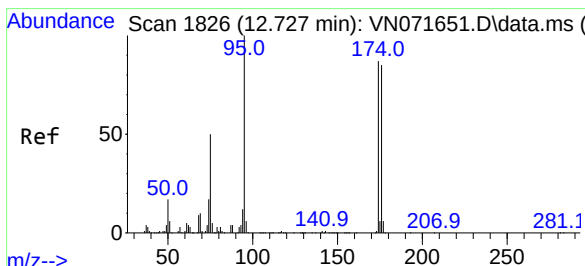
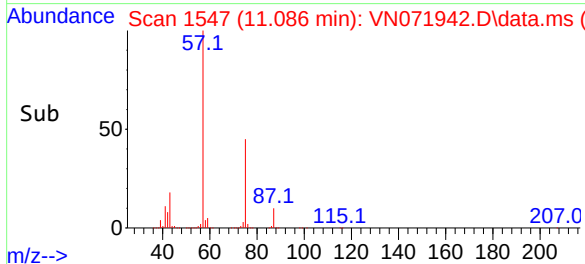
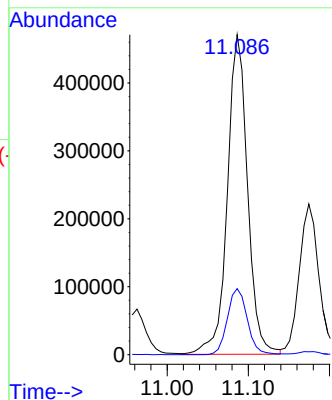
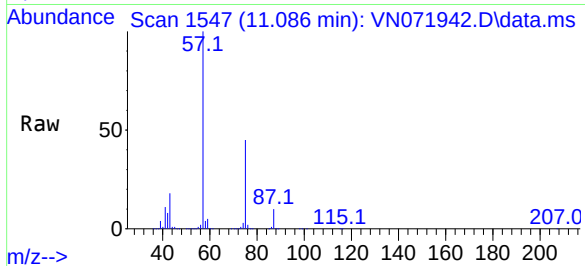




#59
2-Hexanone
Concen: 121.947 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

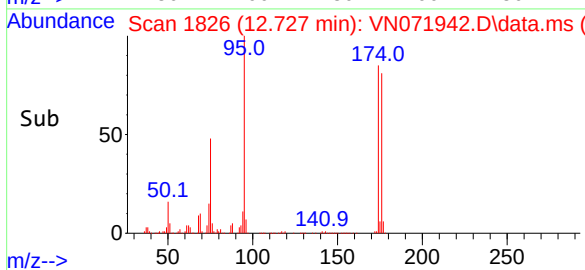
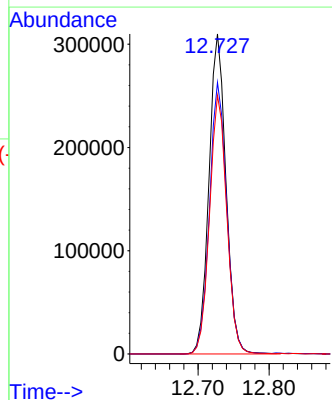
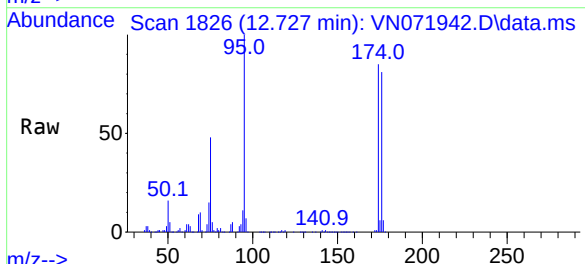
Instrument :
MSVOA_N
ClientSampleId :

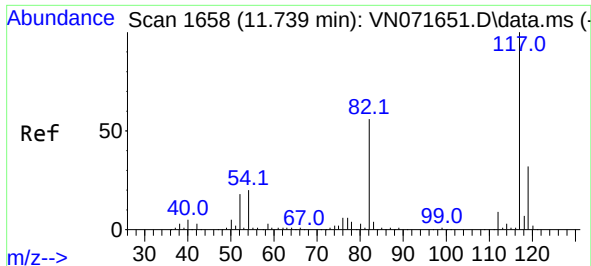
Tgt Ion: 43 Resp: 813209
Ion Ratio Lower Upper
43 100
58 20.4 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 60.173 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

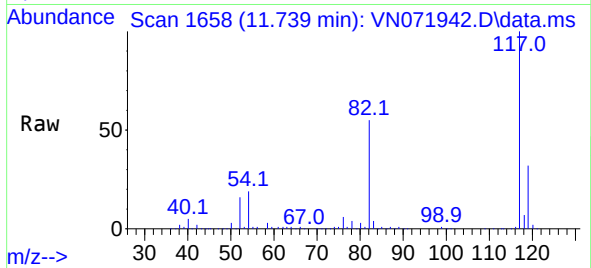
Tgt Ion: 95 Resp: 515864
Ion Ratio Lower Upper
95 100
174 85.9 0.0 167.6
176 81.7 0.0 163.4



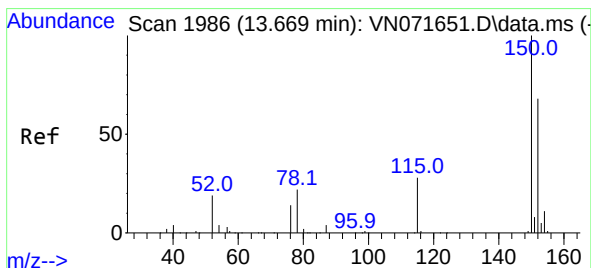
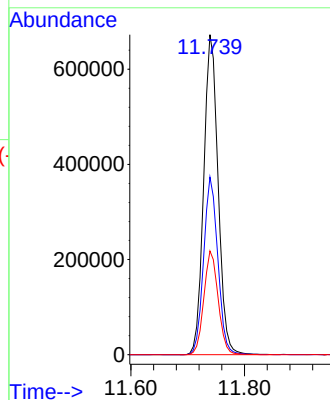
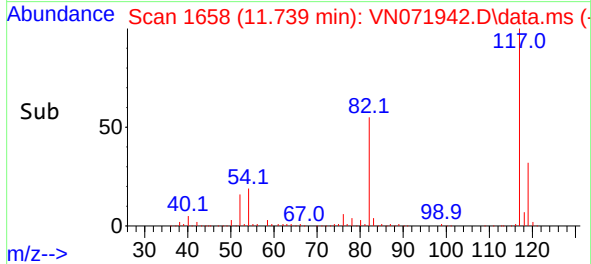


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

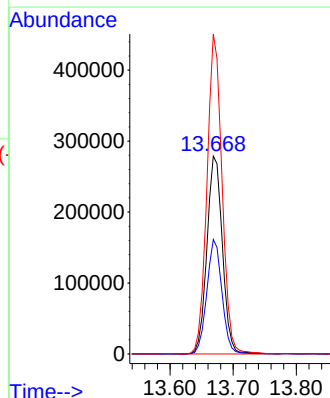
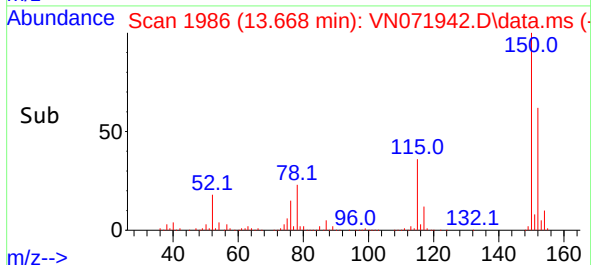
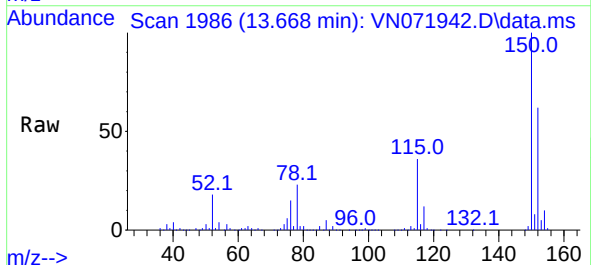


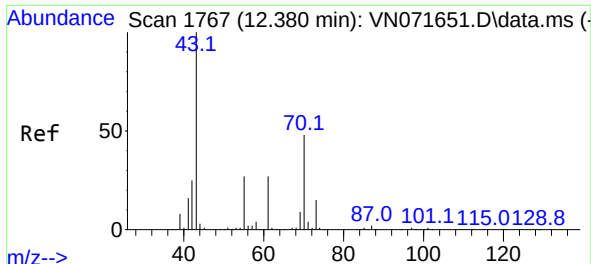
Tgt Ion:117 Resp: 1181382
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

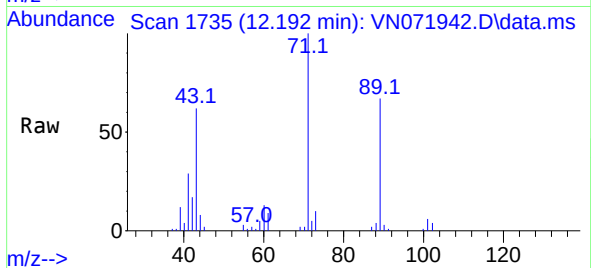
Tgt Ion:152 Resp: 475124
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.0 0.0 356.2



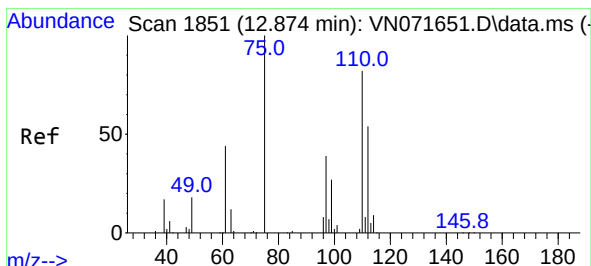
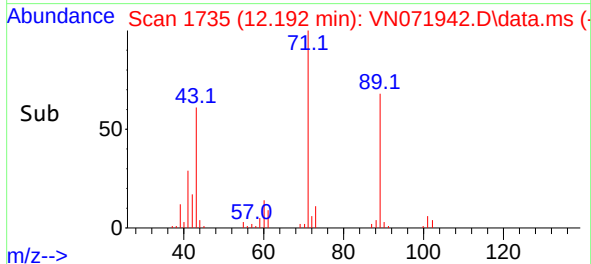
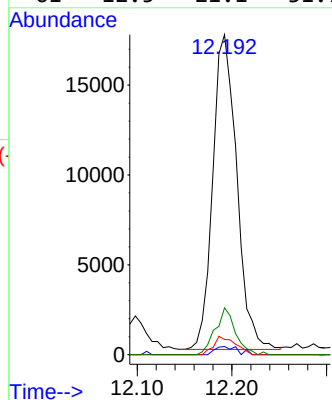


#74
N-amy1 acetate
Concen: 2.697 ug/l
RT: 12.192 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

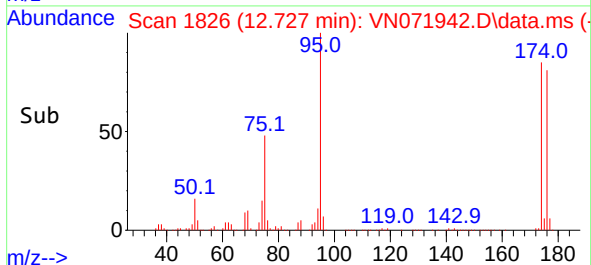
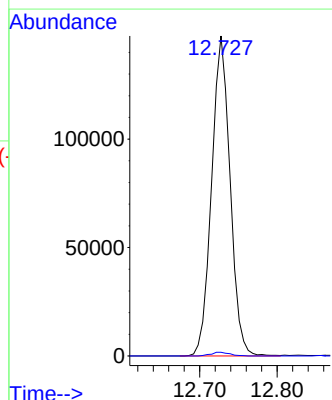
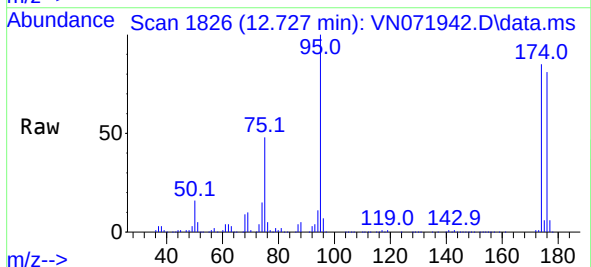


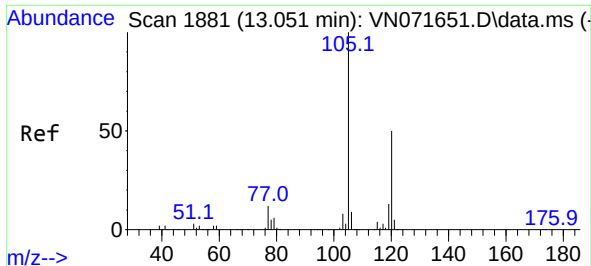
Tgt Ion:	43	Resp:	30933
Ion	Ratio	Lower	Upper
43	100		
70	2.5	39.0	58.4#
55	5.2	21.1	31.7#
61	12.5	21.1	31.7#



#76
1,2,3-Trichloropropane
Concen: 22.204 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Tgt Ion:	75	Resp:	244390
Ion	Ratio	Lower	Upper
75	100		
77	1.2	98.5	295.5#

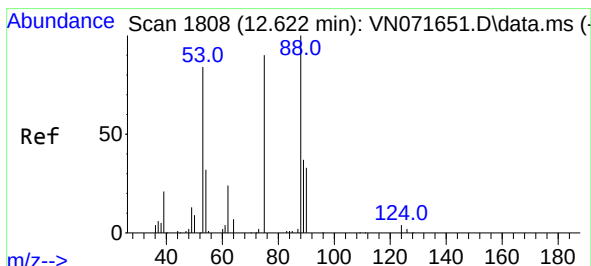
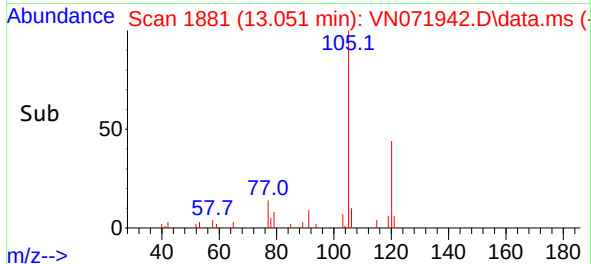
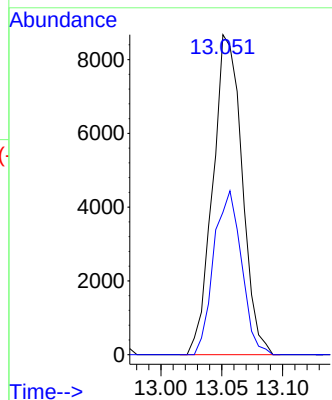
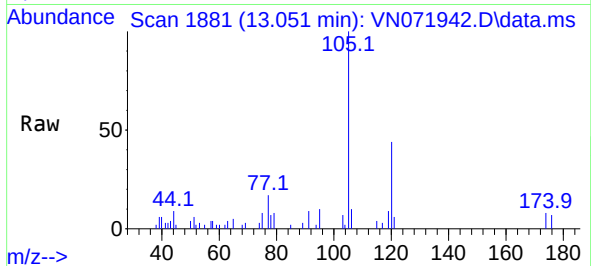




#80
 1,3,5-Trimethylbenzene
 Concen: 0.457 ug/l
 RT: 13.051 min Scan# 1881
 Delta R.T. -0.000 min
 Lab File: VN071942.D
 Acq: 11 Apr 2022 17:41

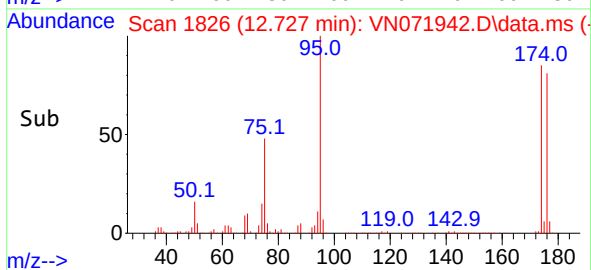
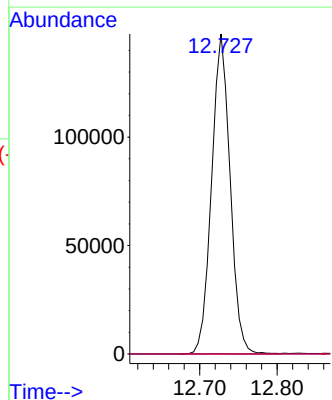
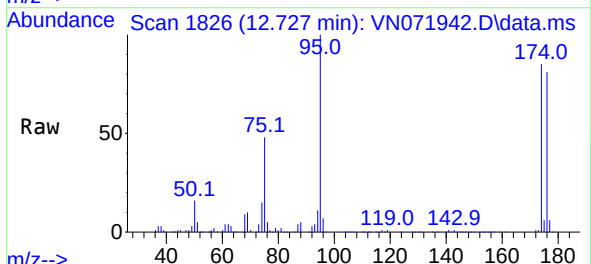
Instrument :
 MSVOA_N
 ClientSampleId :

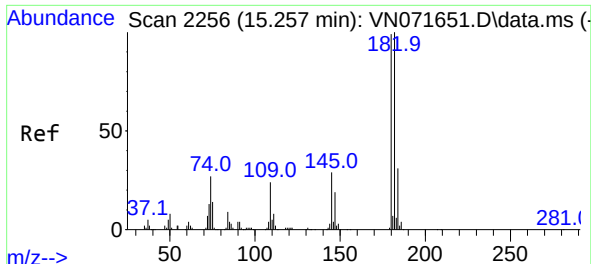
Tgt Ion:105 Resp: 14498
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.809 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN071942.D
 Acq: 11 Apr 2022 17:41

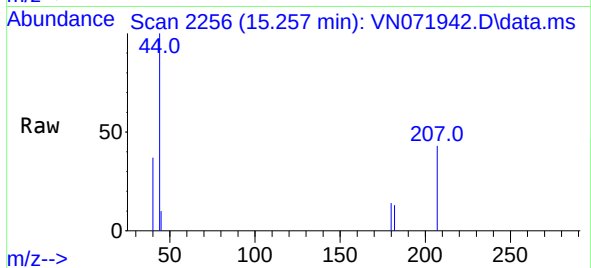
Tgt Ion: 75 Resp: 244390
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#



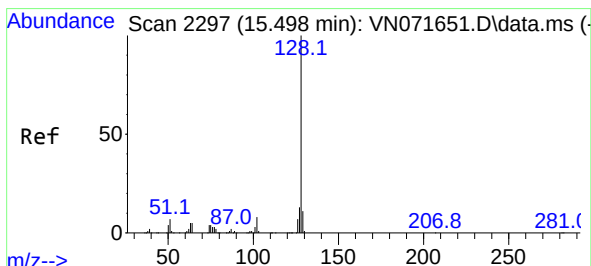
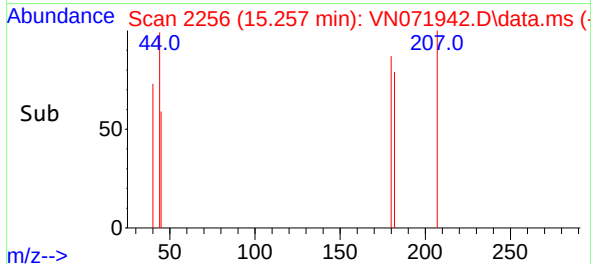
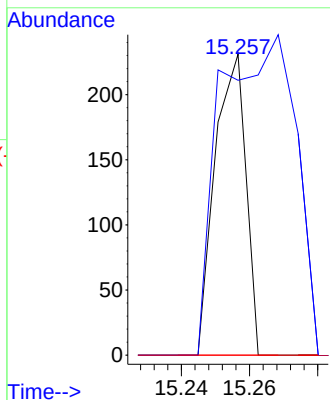


#93
1,2,4-Trichlorobenzene
Concen: 2.104 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

Instrument :
MSVOA_N
ClientSampleId :

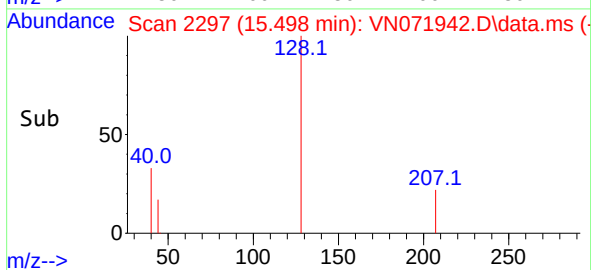
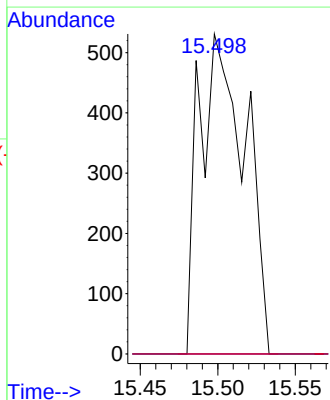
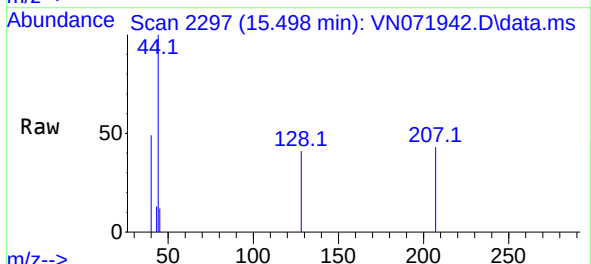


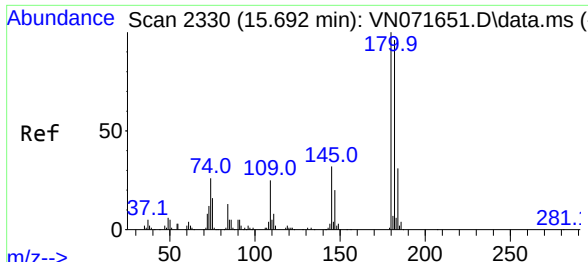
Tgt Ion:180 Resp: 145
Ion Ratio Lower Upper
180 100
182 257.9 47.5 142.5#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 3.850 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071942.D
Acq: 11 Apr 2022 17:41

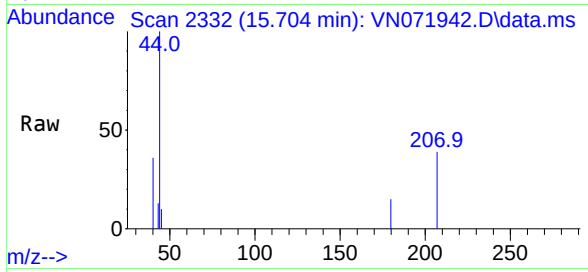
Tgt Ion:128 Resp: 1096
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.457 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071942.D
 Acq: 11 Apr 2022 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	327
Ion	Ratio	Lower	Upper
180	100		
182	19.6	47.8	143.3#
145	0.0	15.5	46.5#

