

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042222\
 Data File : VN072162.D
 Acq On : 22 Apr 2022 17:23
 Operator : JC\MD
 Sample : N2494-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 03:21:41 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

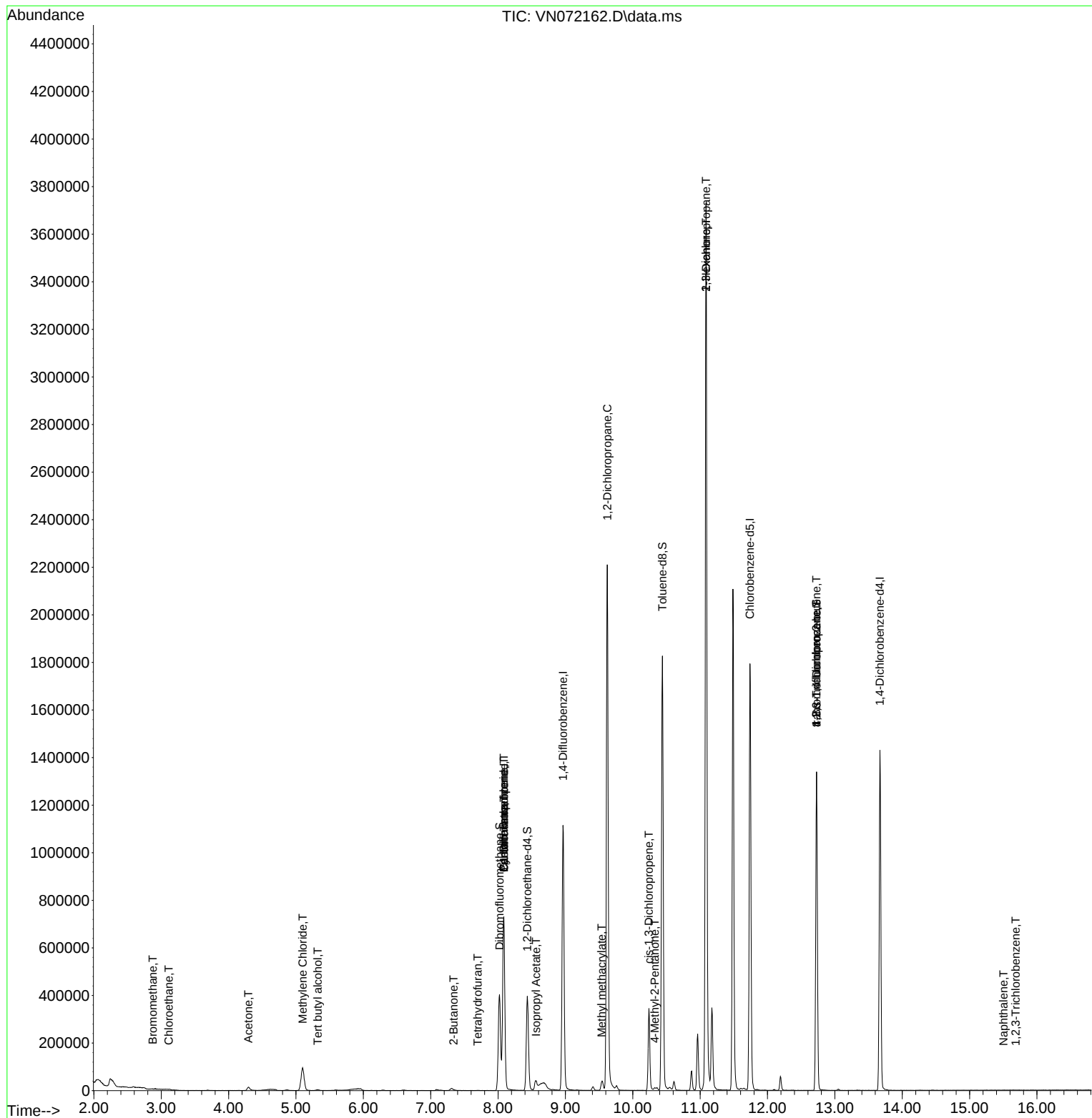
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	630335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1059243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1140894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	432823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	327294	45.483	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.960%
35) Dibromofluoromethane	8.022	113	303759	48.734	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.460%
50) Toluene-d8	10.439	98	1352688	53.051	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.100%
62) 4-Bromofluorobenzene	12.727	95	474477	57.537	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	115.080%
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	1122	0.248	ug/l #	48
6) Chloroethane	3.110	64	3802	0.758	ug/l #	42
11) Tert butyl alcohol	5.322	59	3147	2.695	ug/l #	72
16) Acetone	4.293	43	24213	7.873	ug/l	97
18) Methyl Acetate	4.863	43	6507	Below Cal		91
20) Methylene Chloride	5.098	84	85707	13.222	ug/l	95
25) 2-Butanone	7.339	43	3997	0.902	ug/l #	81
29) Tetrahydrofuran	7.698	42	721	0.251	ug/l #	36
31) Cyclohexane	8.086	56	9069	0.927	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	40105	4.608	ug/l #	49
38) Carbon Tetrachloride	8.086	117	54427	6.380	ug/l #	16
43) Isopropyl Acetate	8.563	43	53420	3.371	ug/l #	84
45) 1,2-Dichloropropane	9.622	63	3156	0.459	ug/l #	44
48) Methyl methacrylate	9.539	41	10139	1.542	ug/l #	10
49) 1,4-Dioxane	9.622	88	345	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	5052	0.555	ug/l #	72
54) cis-1,3-Dichloropropene	10.239	75	72456	6.815	ug/l #	56
57) 1,3-Dichloropropane	11.086	76	45222	3.781	ug/l #	42
59) 2-Hexanone	11.086	43	504837	78.703	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	223994	22.340	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	223994	69.230	ug/l #	11
95) Naphthalene	15.504	128	702	3.836	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.686	180	55	2.422	ug/l #	12

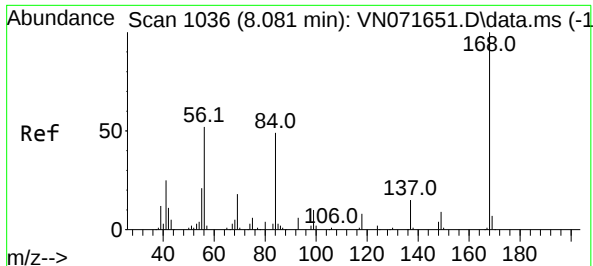
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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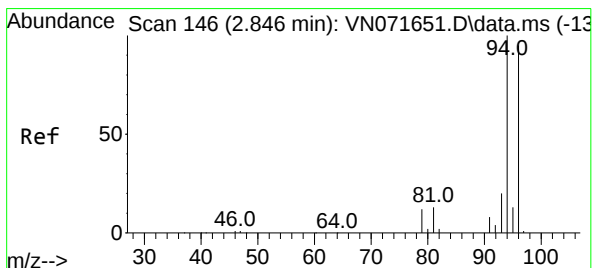
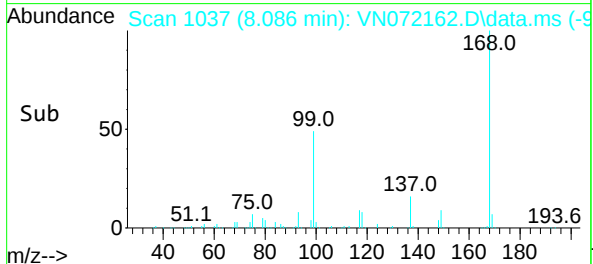
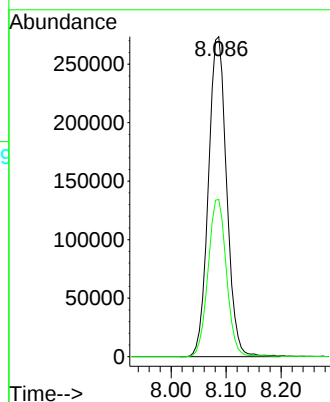
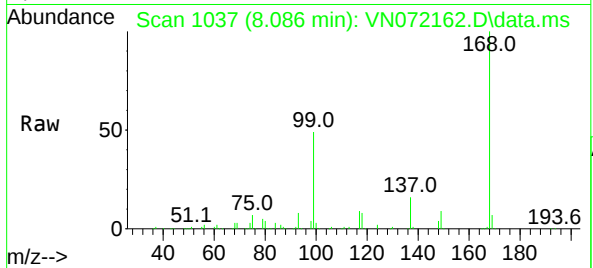




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

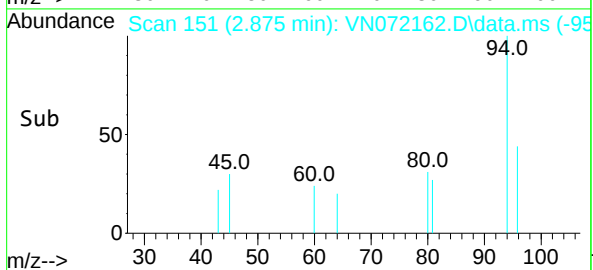
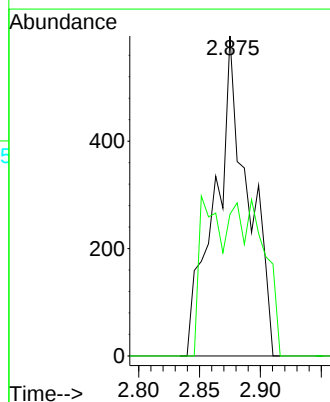
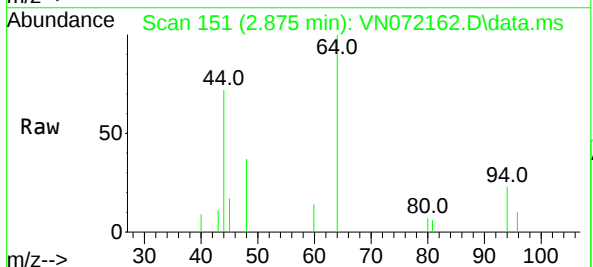
Instrument :
MSVOA_N
ClientSampleId :

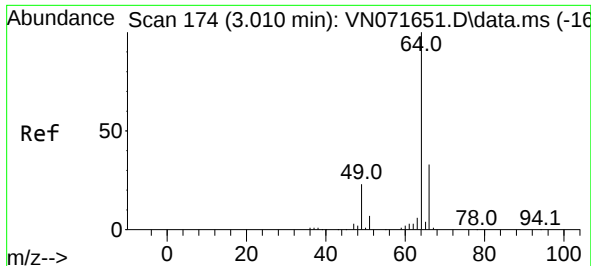
Tgt Ion:168 Resp: 630335
Ion Ratio Lower Upper
168 100
99 49.2 42.3 63.5



#5
Bromomethane
Concen: 0.248 ug/l
RT: 2.875 min Scan# 151
Delta R.T. 0.029 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

Tgt Ion: 94 Resp: 1122
Ion Ratio Lower Upper
94 100
96 44.3 76.0 114.0#

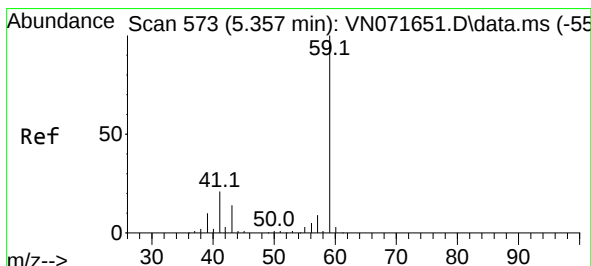
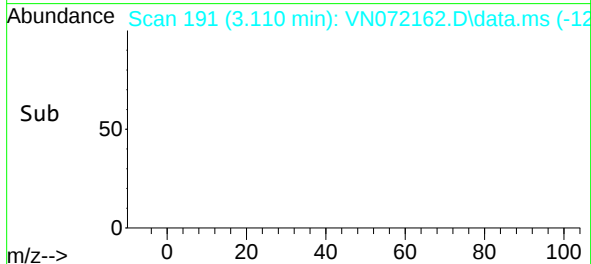
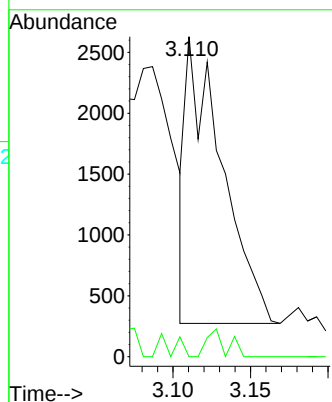
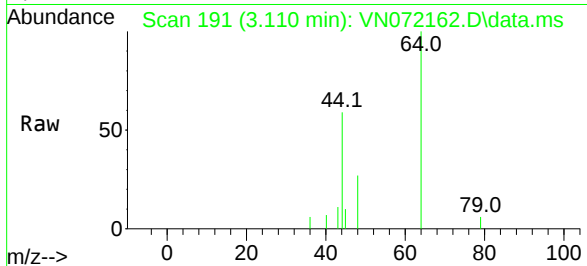




#6
Chloroethane
Concen: 0.758 ug/l
RT: 3.110 min Scan# 191
Delta R.T. 0.100 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

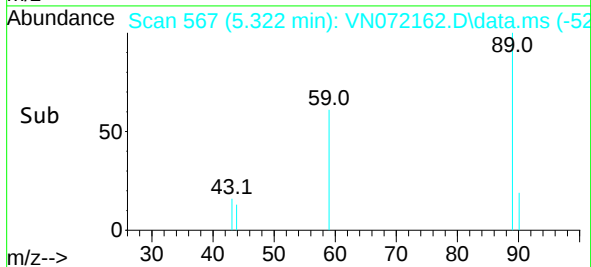
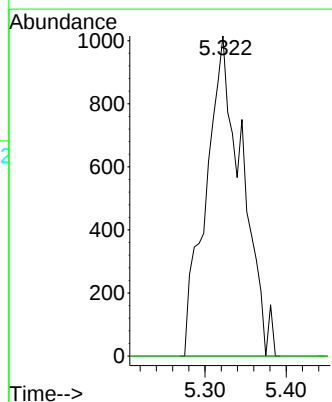
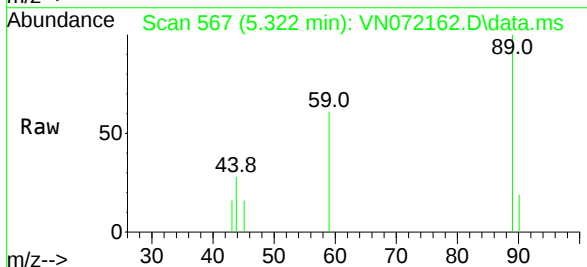
Instrument :
MSVOA_N
ClientSampleId :

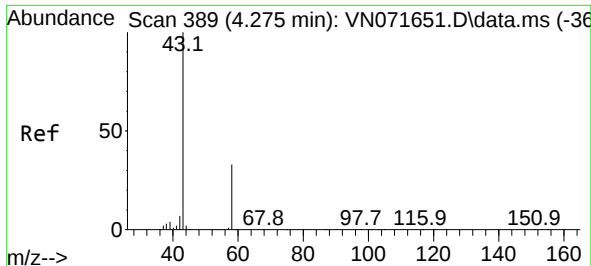
Tgt Ion: 64 Resp: 3802
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.695 ug/l
RT: 5.322 min Scan# 567
Delta R.T. -0.035 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

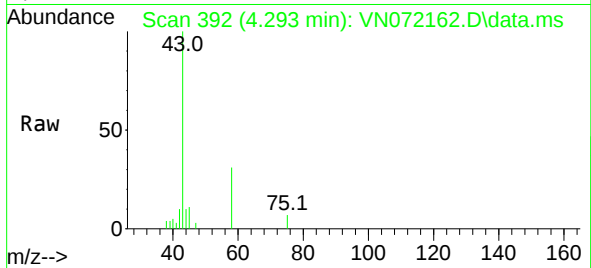
Tgt Ion: 59 Resp: 3147
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



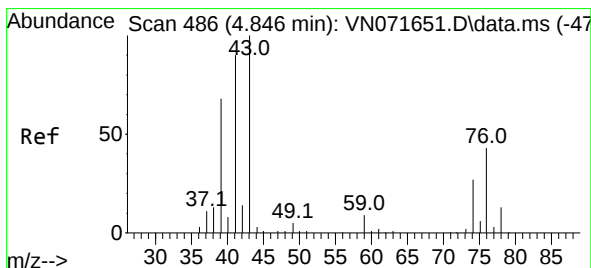
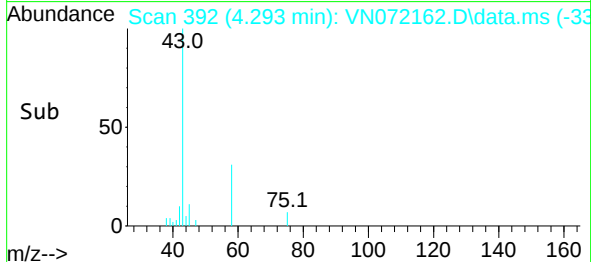
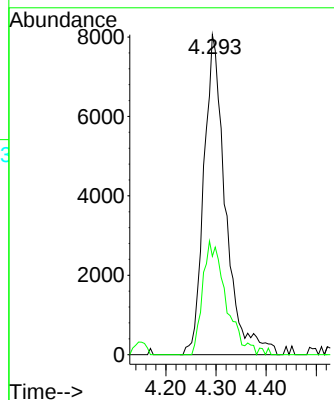


#16
Acetone
Concen: 7.873 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :

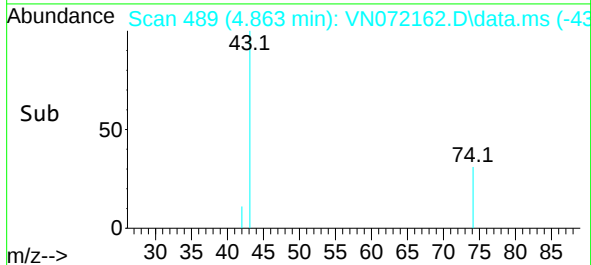
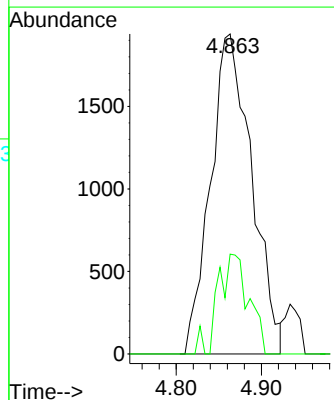
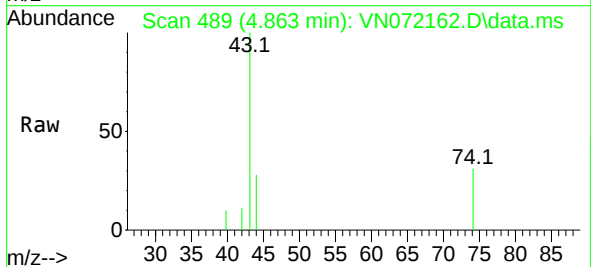


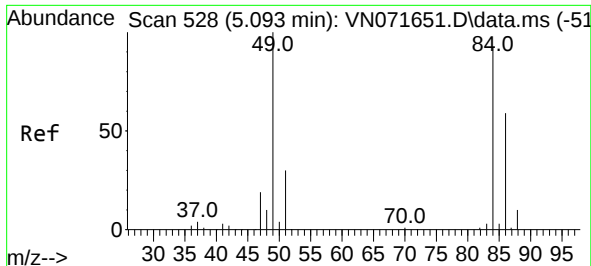
Tgt Ion: 43 Resp: 24213
Ion Ratio Lower Upper
43 100
58 30.8 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

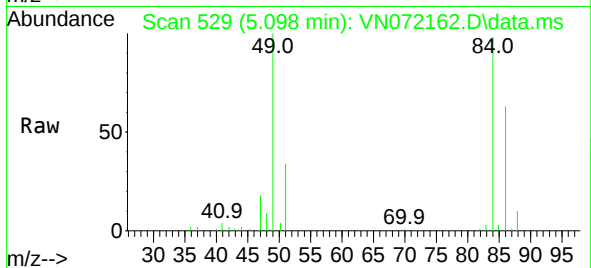
Tgt Ion: 43 Resp: 6507
Ion Ratio Lower Upper
43 100
74 22.4 21.6 32.4





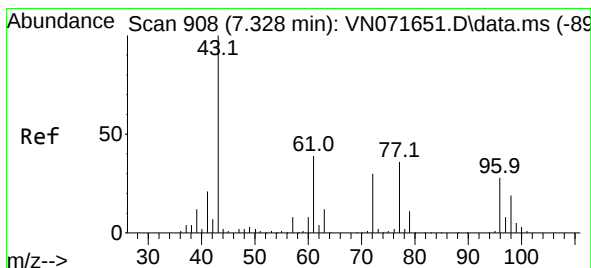
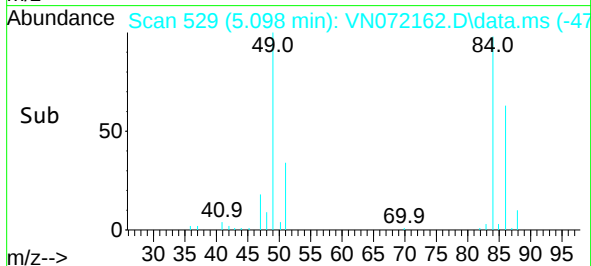
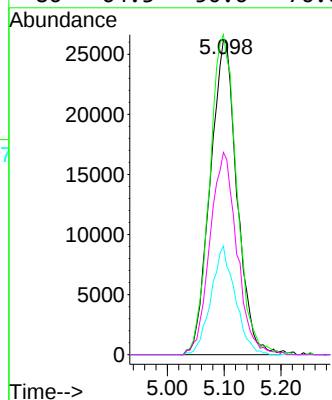
#20
Methylene Chloride
Concen: 13.222 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 85707

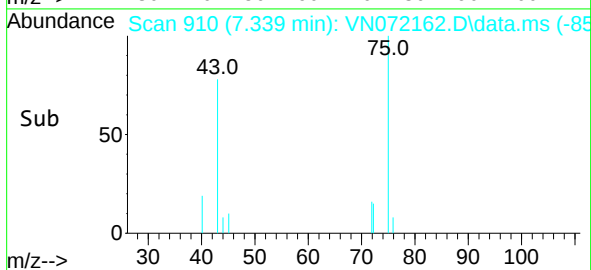
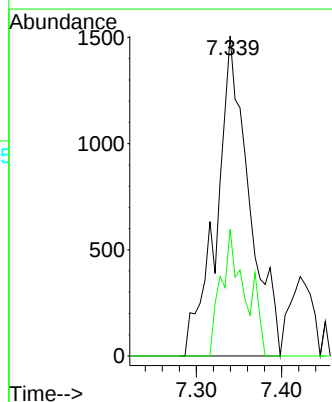
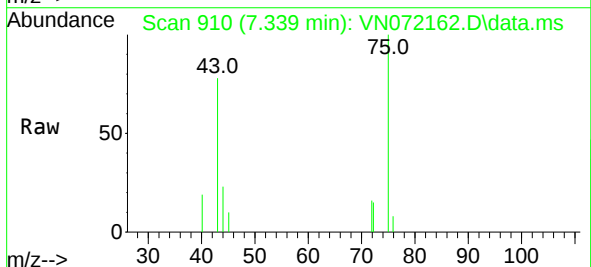
Ion	Ratio	Lower	Upper
84	100		
49	101.7	88.3	132.5
51	34.5	28.2	42.2
86	64.3	50.6	76.0

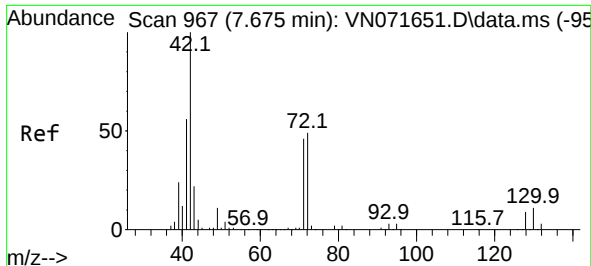


#25
2-Butanone
Concen: 0.902 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

Tgt Ion: 43 Resp: 3997

Ion	Ratio	Lower	Upper
43	100		
72	39.6	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

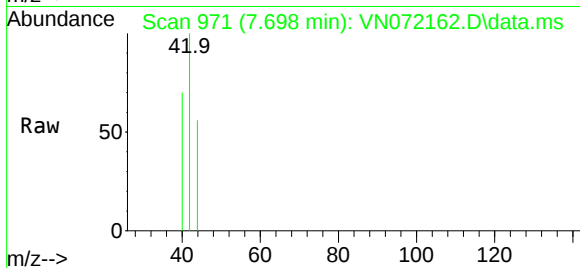
Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

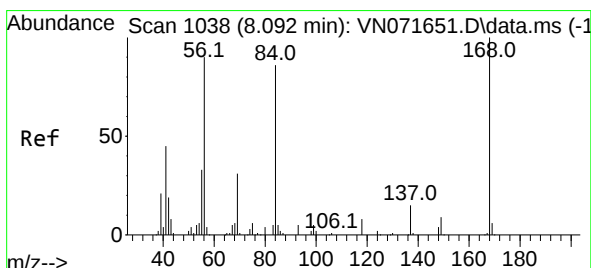
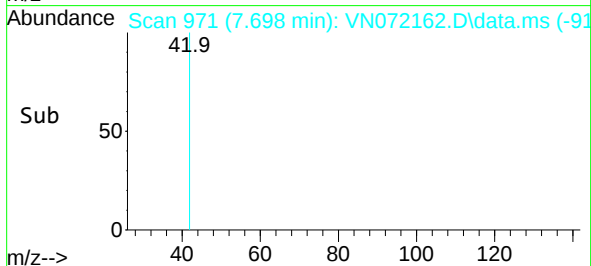
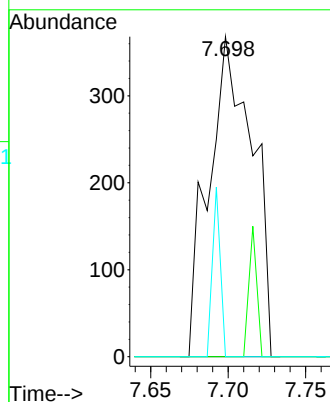
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	721
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.7	59.5#
71	9.6	36.6	55.0#



#31

Cyclohexane

Concen: 0.927 ug/l

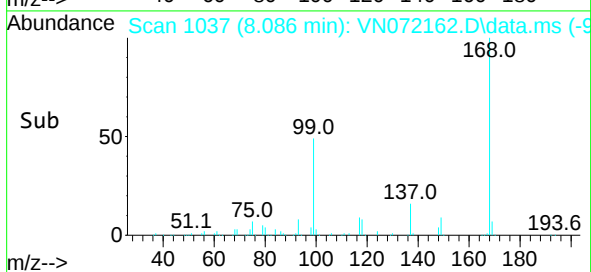
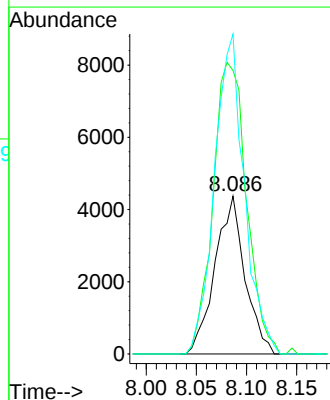
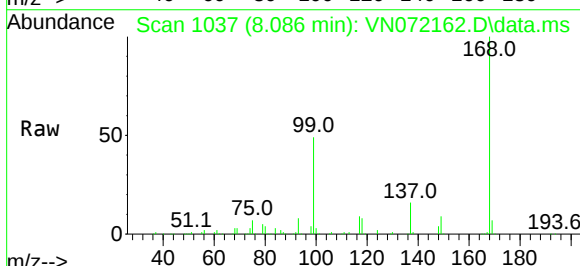
RT: 8.086 min Scan# 1037

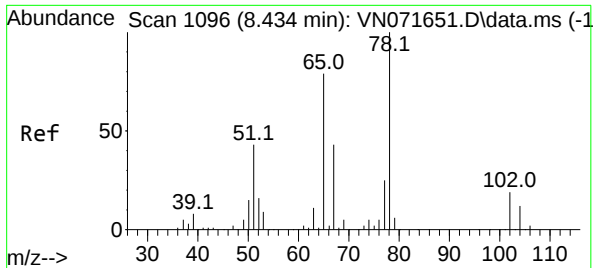
Delta R.T. -0.006 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Tgt Ion:	56	Resp:	9069
Ion	Ratio	Lower	Upper
56	100		
69	179.7	27.8	41.8#
84	202.8	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.483 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072162.D

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Instrument :

MSVOA_N

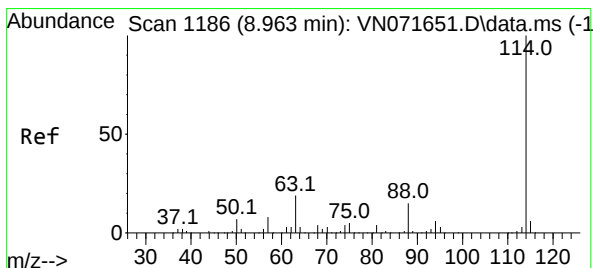
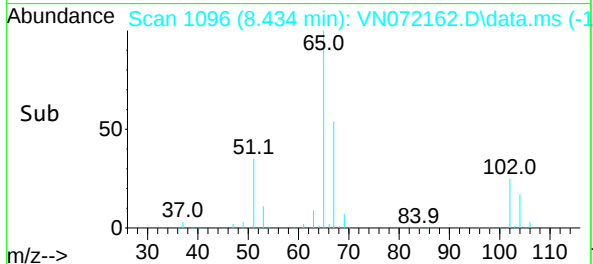
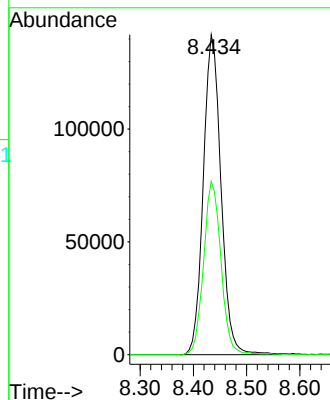
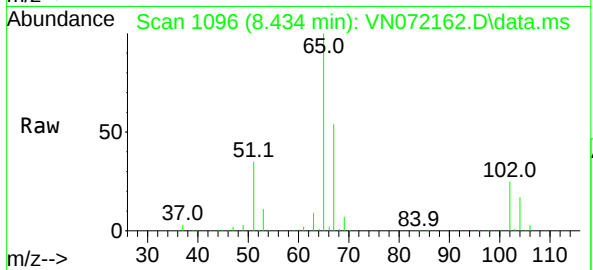
ClientSampleId :

Tgt Ion: 65 Resp: 327294

Ion Ratio Lower Upper

65 100

67 53.3 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: VN072162.D

Acq: 22 Apr 2022 17:23

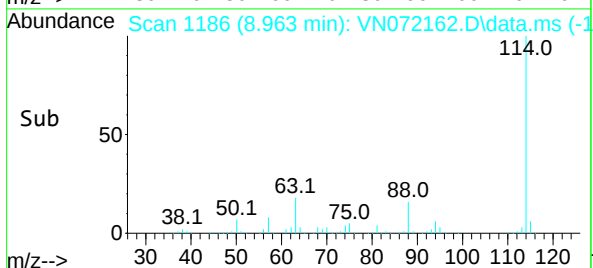
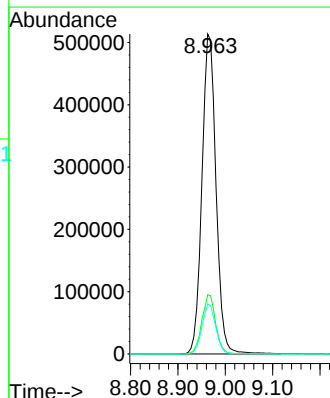
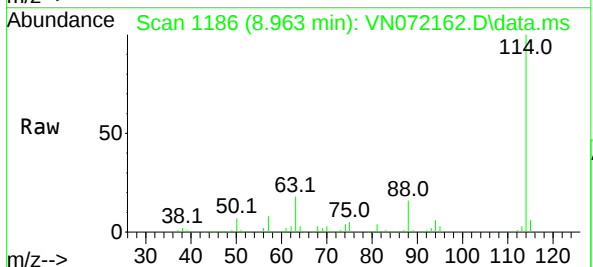
Tgt Ion: 114 Resp: 1059243

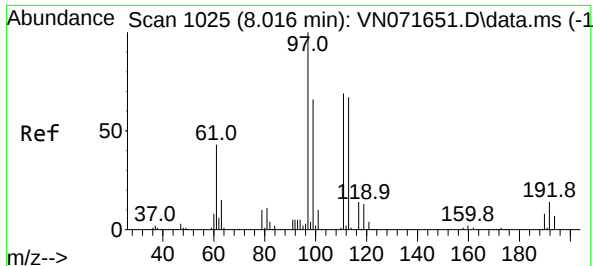
Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.734 ug/l

RT: 8.022 min Scan# 1

Delta R.T. 0.006 min

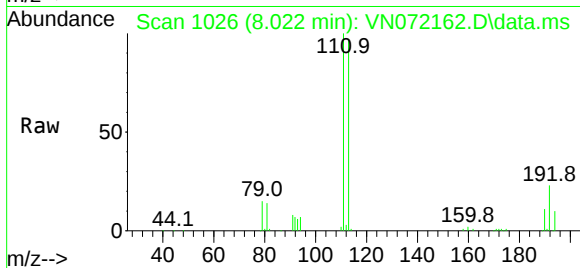
Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Instrument :

MSVOA_N

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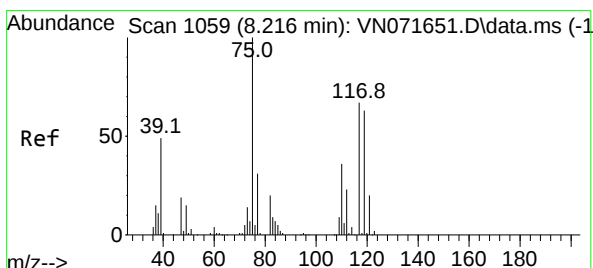
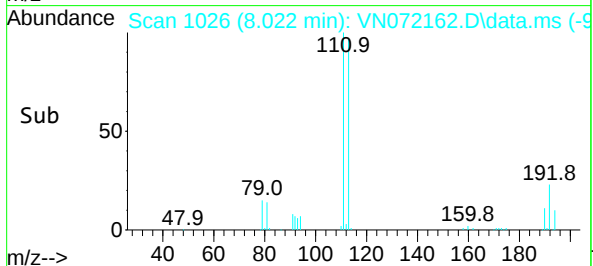
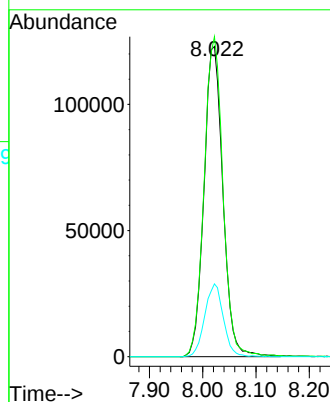
Tgt Ion:113 Resp: 303759

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 23.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

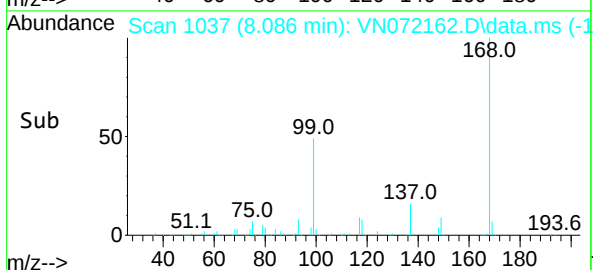
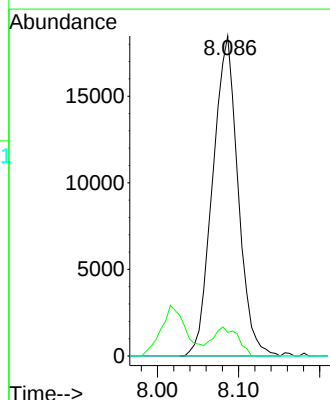
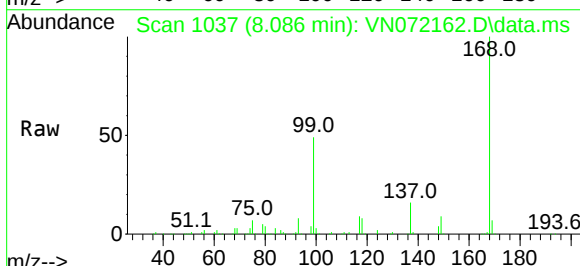
Tgt Ion: 75 Resp: 40105

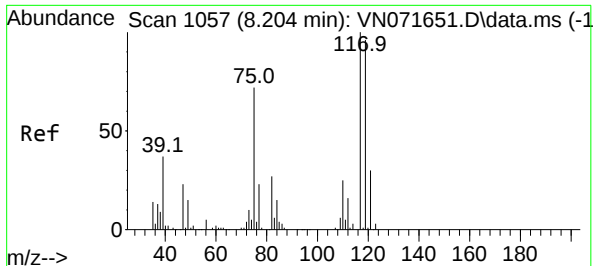
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

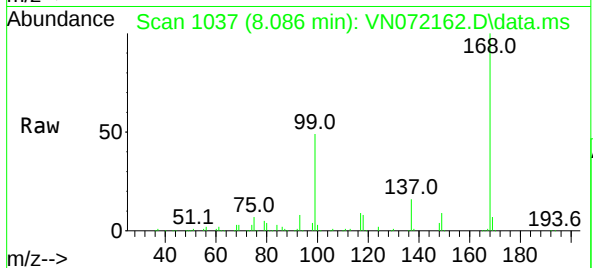
77 0.0 25.1 37.7#



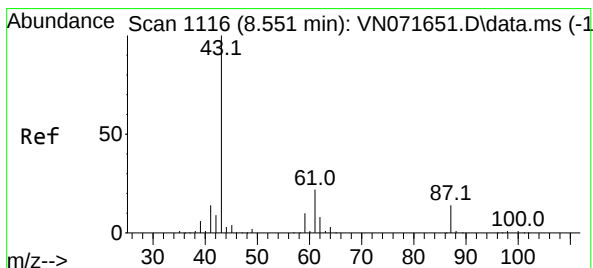
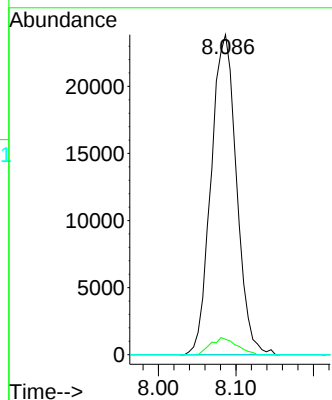
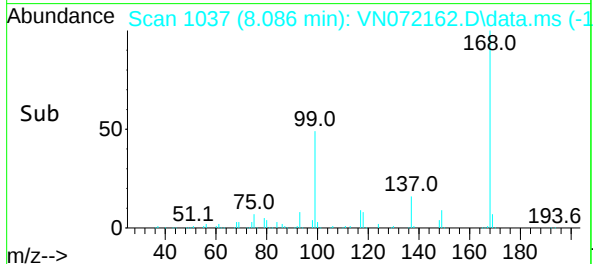


#38
Carbon Tetrachloride
Concen: 6.380 ug/l
RT: 8.086 min Scan# 1117
Delta R.T. -0.118 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

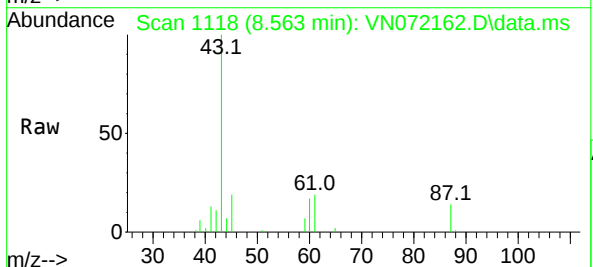
Instrument :
MSVOA_N
ClientSampleId :



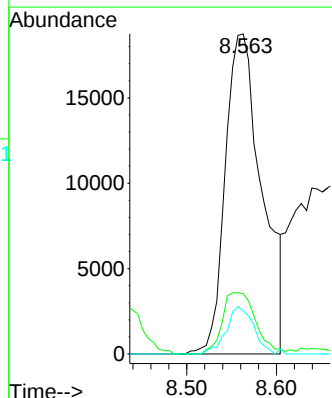
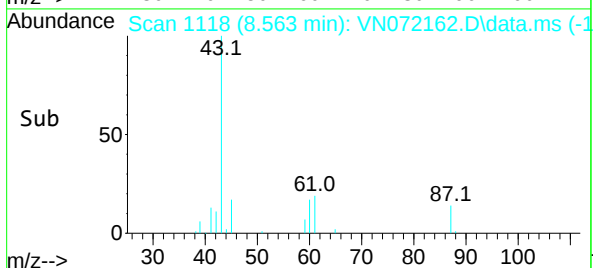
Tgt Ion:117 Resp: 54427
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#

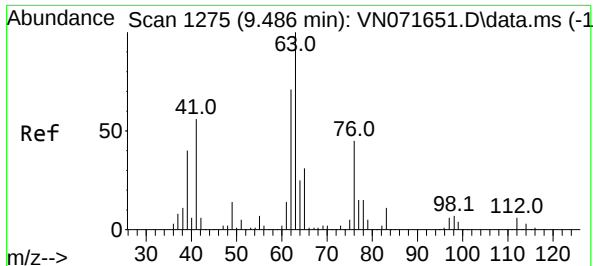


#43
Isopropyl Acetate
Concen: 3.371 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23



Tgt Ion: 43 Resp: 53420
Ion Ratio Lower Upper
43 100
61 17.4 21.9 32.9#
87 11.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.459 ug/l

RT: 9.622 min Scan# 1

Delta R.T. 0.136 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Instrument :

MSVOA_N

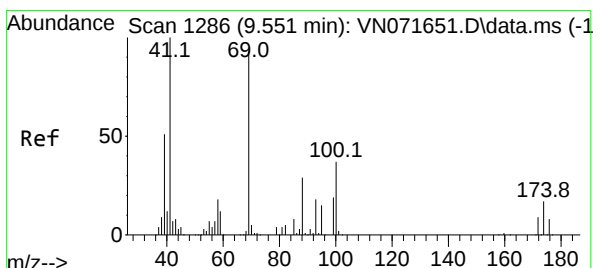
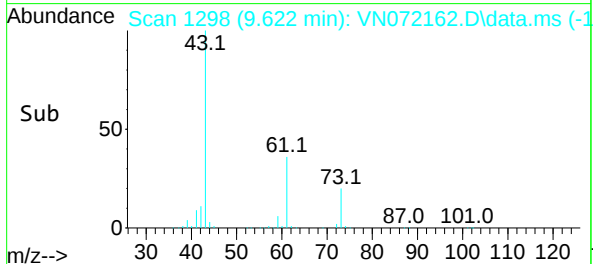
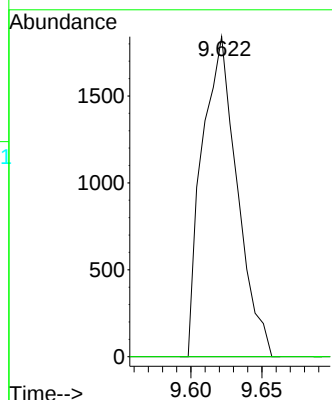
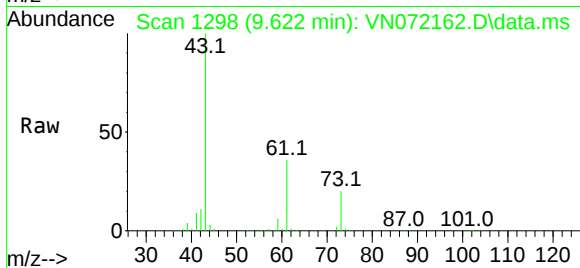
ClientSampleId :

Tgt Ion: 63 Resp: 3156

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.542 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

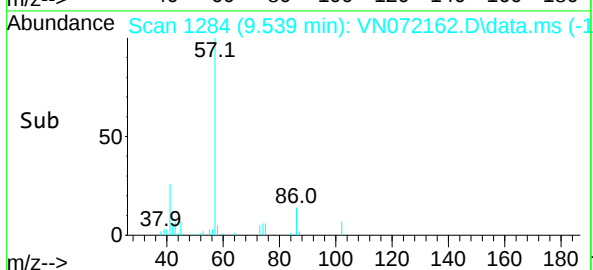
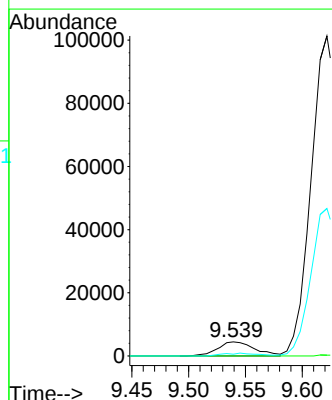
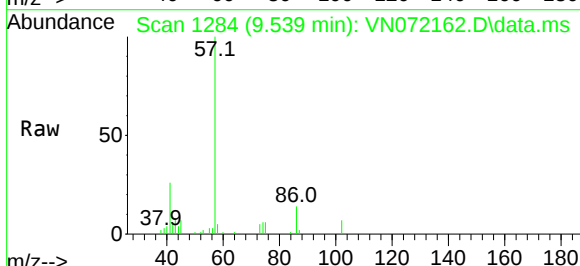
Tgt Ion: 41 Resp: 10139

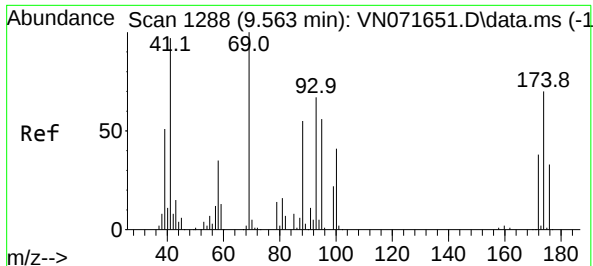
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Instrument :

MSVOA_N

ClientSampleId :

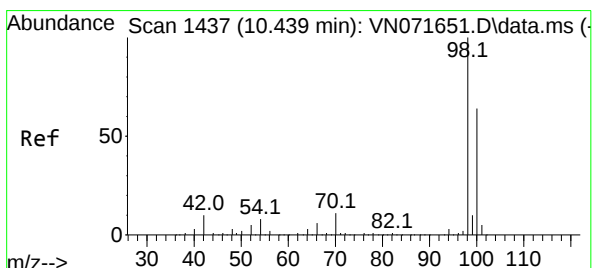
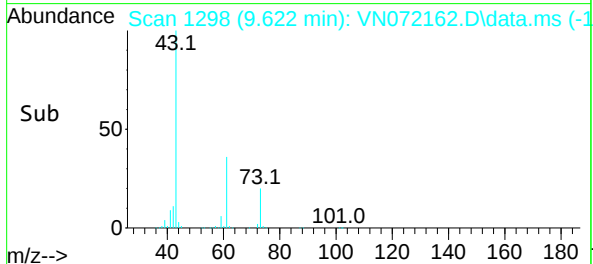
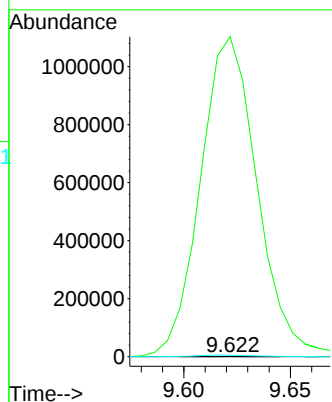
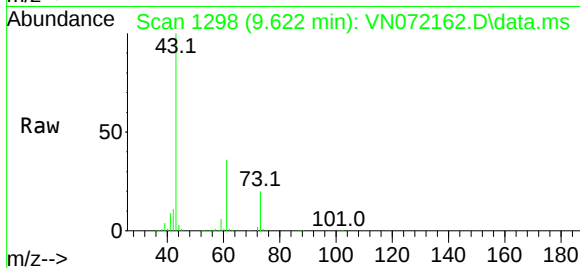
Tgt Ion: 88 Resp: 345

Ion Ratio Lower Upper

88 100

43 603089.9 20.2 30.4#

58 3150.4 54.2 81.4#



#50

Toluene-d8

Concen: 53.051 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072162.D

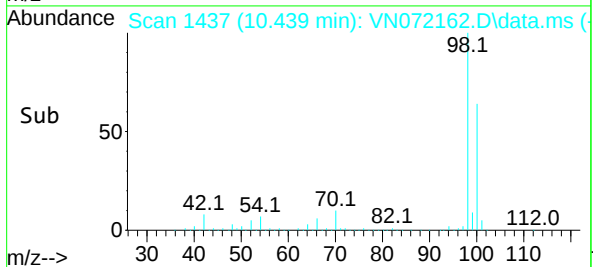
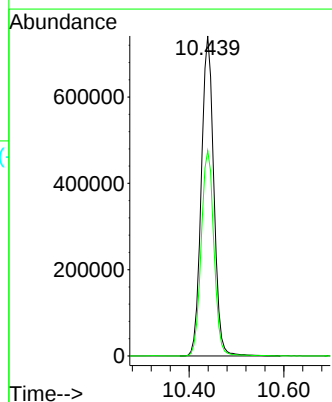
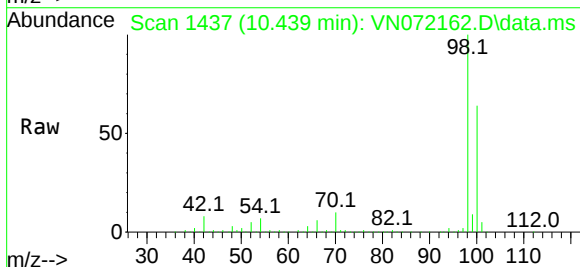
Acq: 22 Apr 2022 17:23

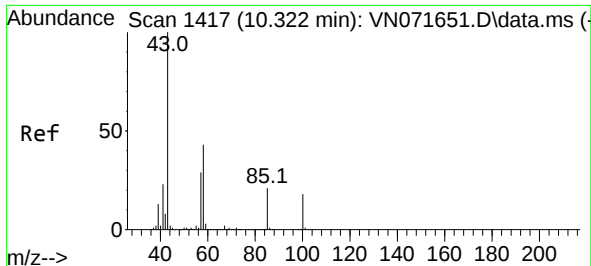
Tgt Ion: 98 Resp: 1352688

Ion Ratio Lower Upper

98 100

100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.555 ug/l

RT: 10.328 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Instrument :

MSVOA_N

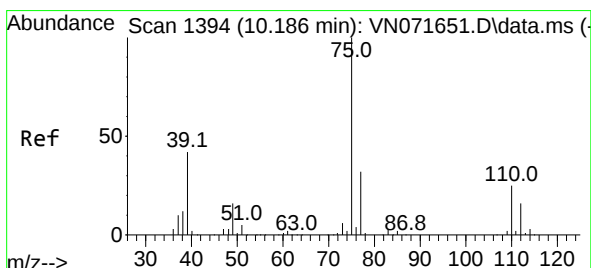
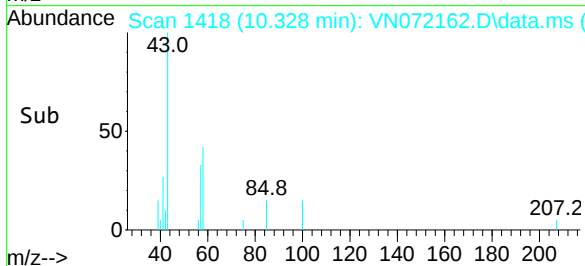
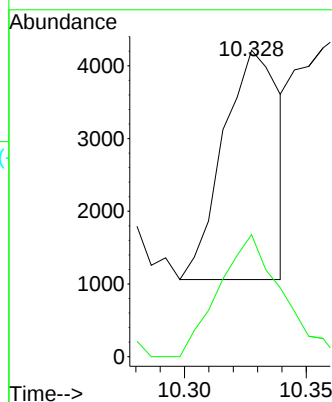
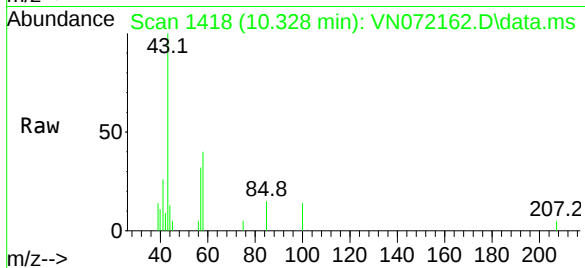
ClientSampleId :

Tgt Ion: 43 Resp: 5052

Ion Ratio Lower Upper

43 100

58 60.2 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 6.815 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

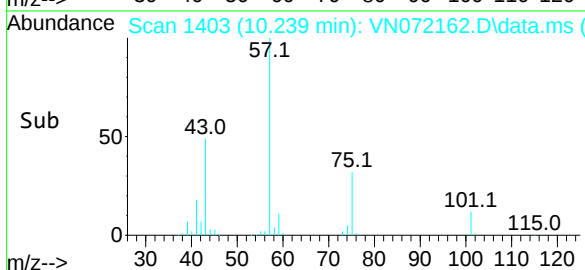
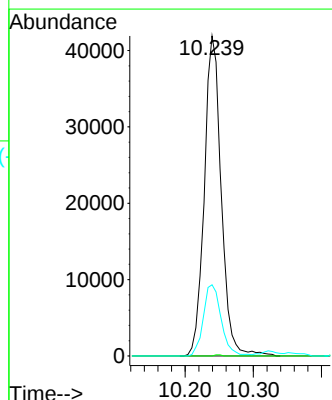
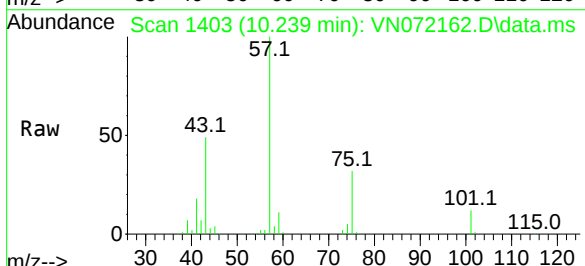
Tgt Ion: 75 Resp: 72456

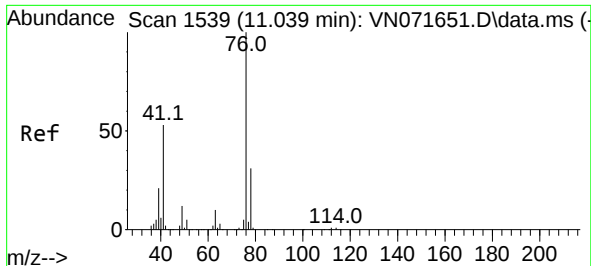
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 22.3 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 3.781 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072162.D

Acq: 22 Apr 2022 17:23

Instrument :

MSVOA_N

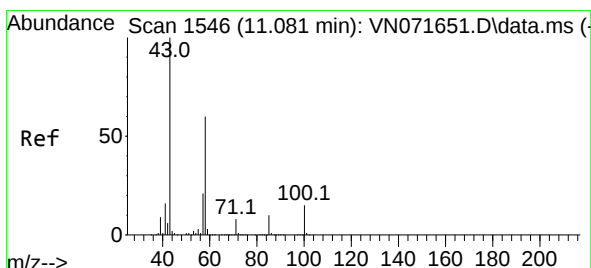
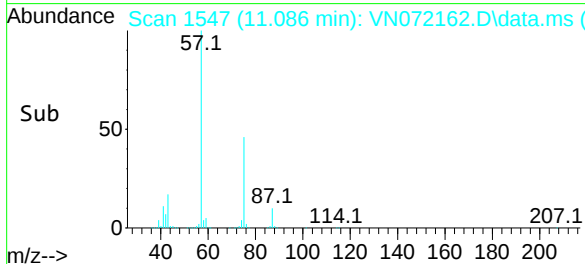
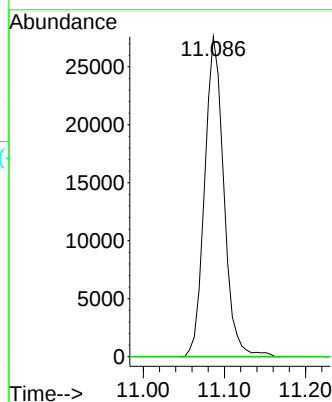
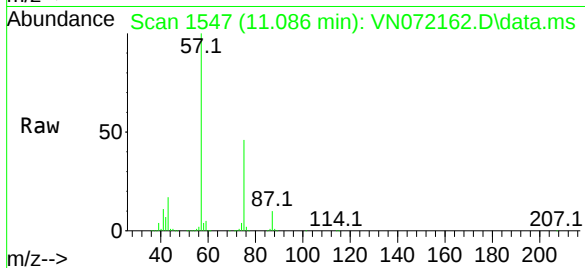
ClientSampleId :

Tgt Ion: 76 Resp: 45222

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 78.703 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072162.D

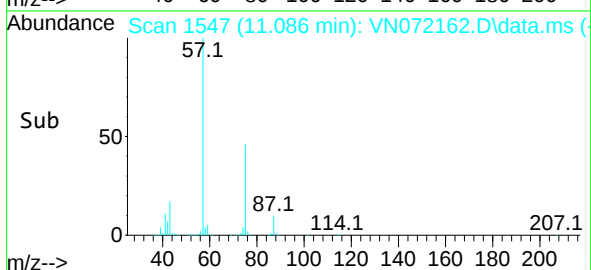
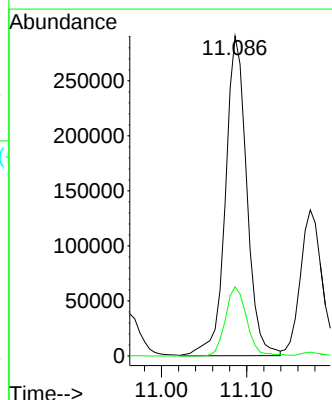
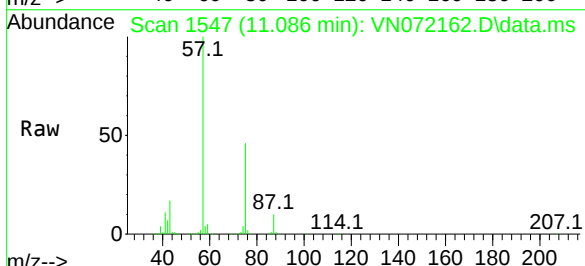
Acq: 22 Apr 2022 17:23

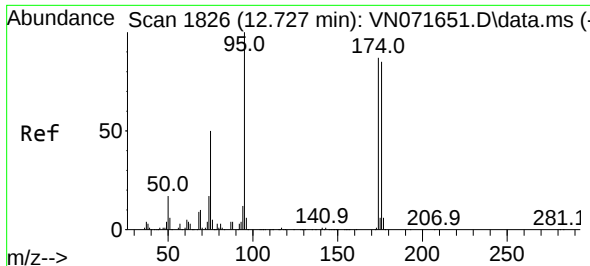
Tgt Ion: 43 Resp: 504837

Ion Ratio Lower Upper

43 100

58 21.6 29.7 89.1#

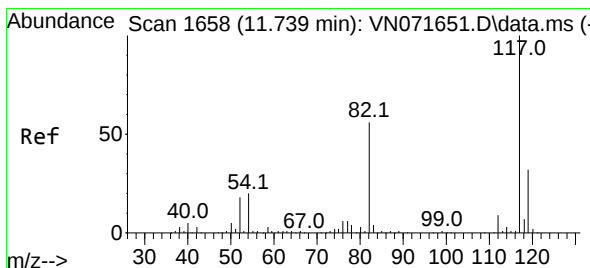
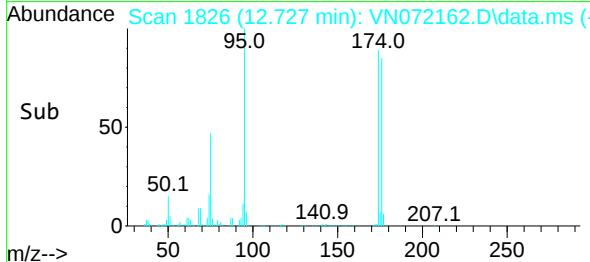
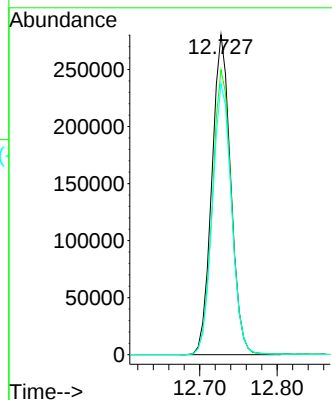
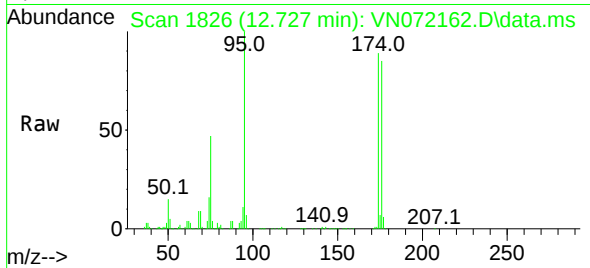




#62
4-Bromofluorobenzene
Concen: 57.537 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

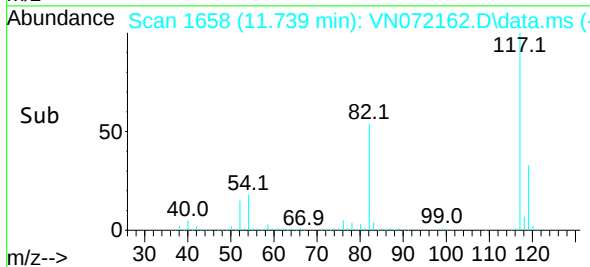
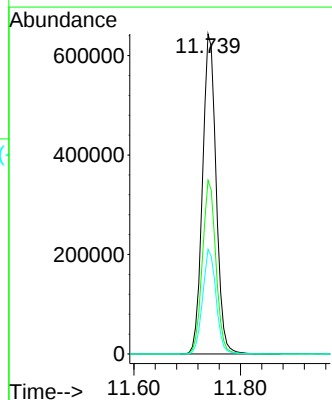
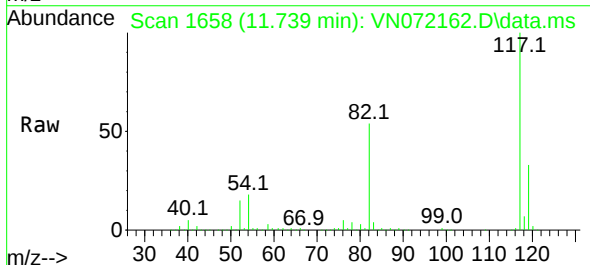
Instrument :
MSVOA_N
ClientSampleId :

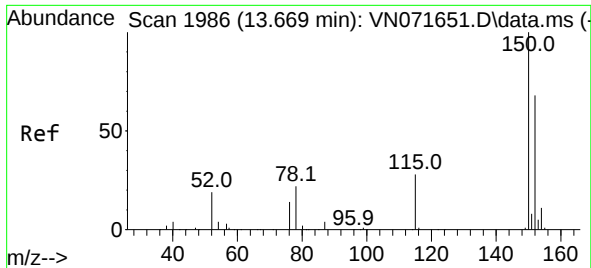
Tgt Ion: 95 Resp: 474477
Ion Ratio Lower Upper
95 100
174 89.7 0.0 167.6
176 85.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

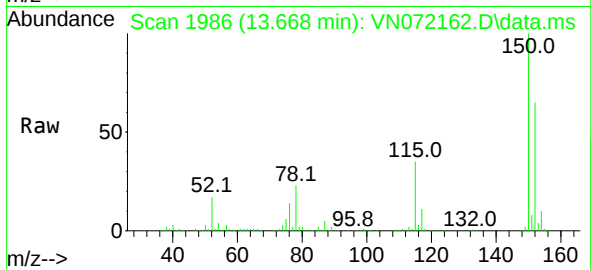
Tgt Ion: 117 Resp: 1140894
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.7 25.4 38.0



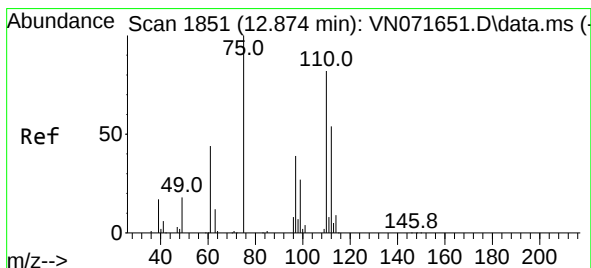
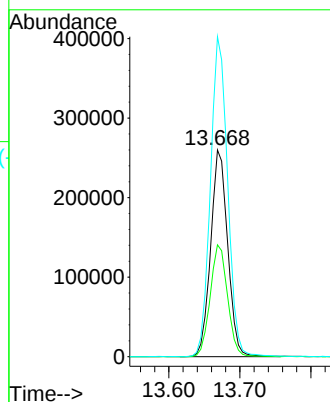
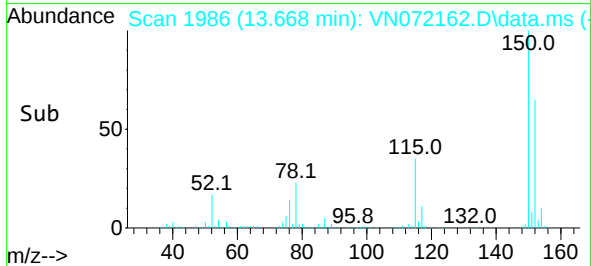


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072162.D
 Acq: 22 Apr 2022 17:23

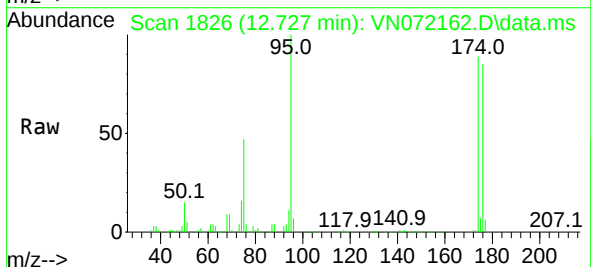
Instrument :
 MSVOA_N
 ClientSampleId :



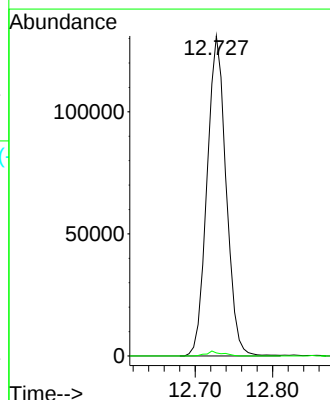
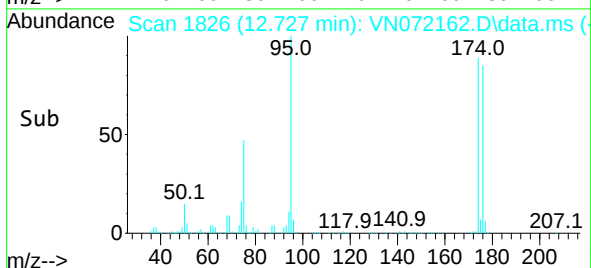
Tgt Ion:152 Resp: 432823
 Ion Ratio Lower Upper
 152 100
 115 55.2 28.9 86.7
 150 156.7 0.0 356.2

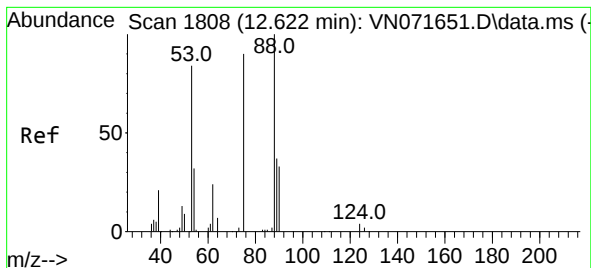


#76
 1,2,3-Trichloropropane
 Concen: 22.340 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072162.D
 Acq: 22 Apr 2022 17:23



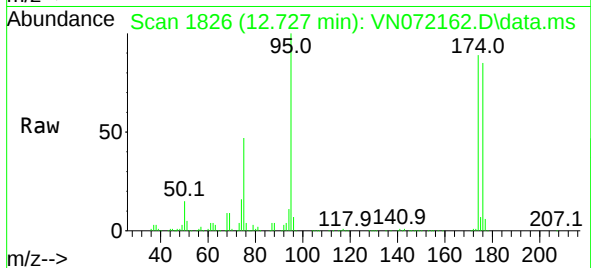
Tgt Ion: 75 Resp: 223994
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



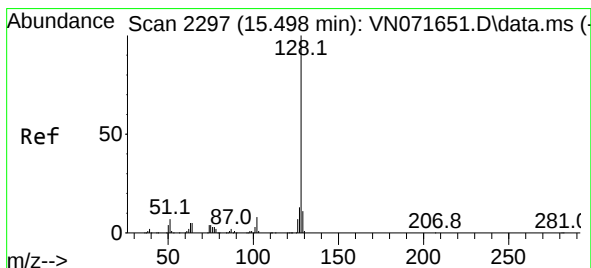
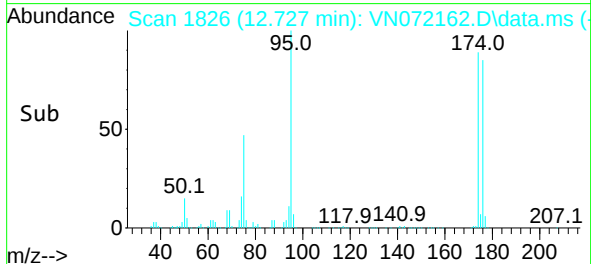
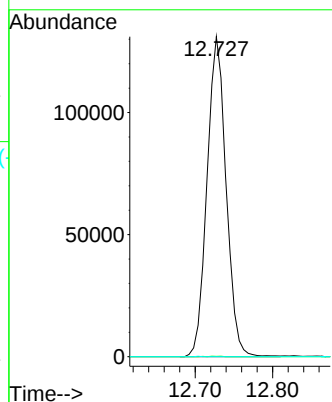


#81
trans-1,4-Dichloro-2-butene
Concen: 69.230 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

Instrument :
MSVOA_N
ClientSampleId :

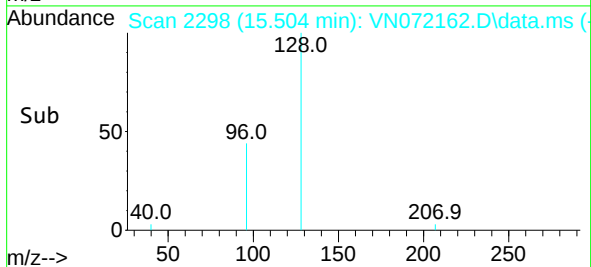
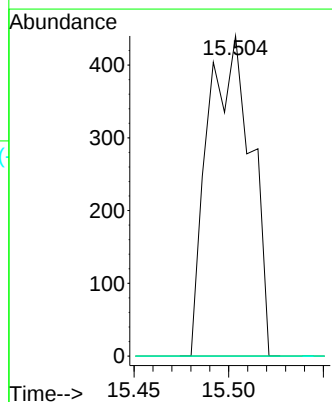
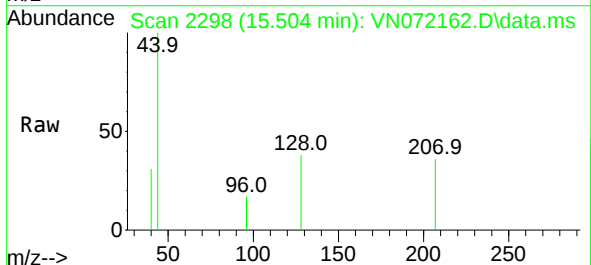


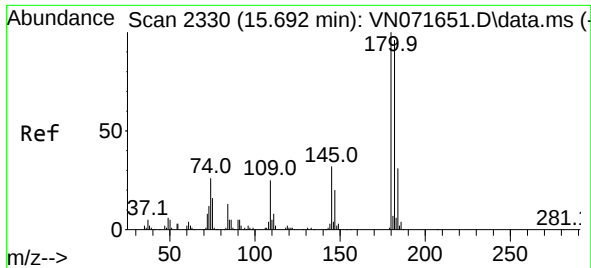
Tgt Ion: 75 Resp: 223994
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.836 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072162.D
Acq: 22 Apr 2022 17:23

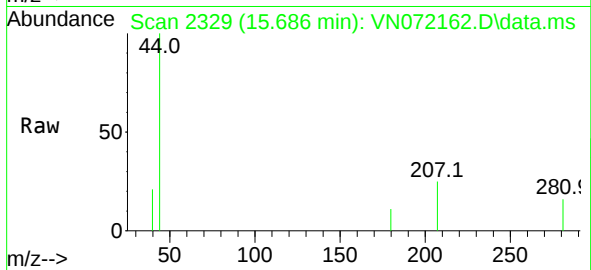
Tgt Ion: 128 Resp: 702
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.422 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072162.D
 Acq: 22 Apr 2022 17:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	15.5	46.5#

