

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072188.D
 Acq On : 25 Apr 2022 18:40
 Operator : JC\MD
 Sample : N2548-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: Apr 26 05:41:09 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)

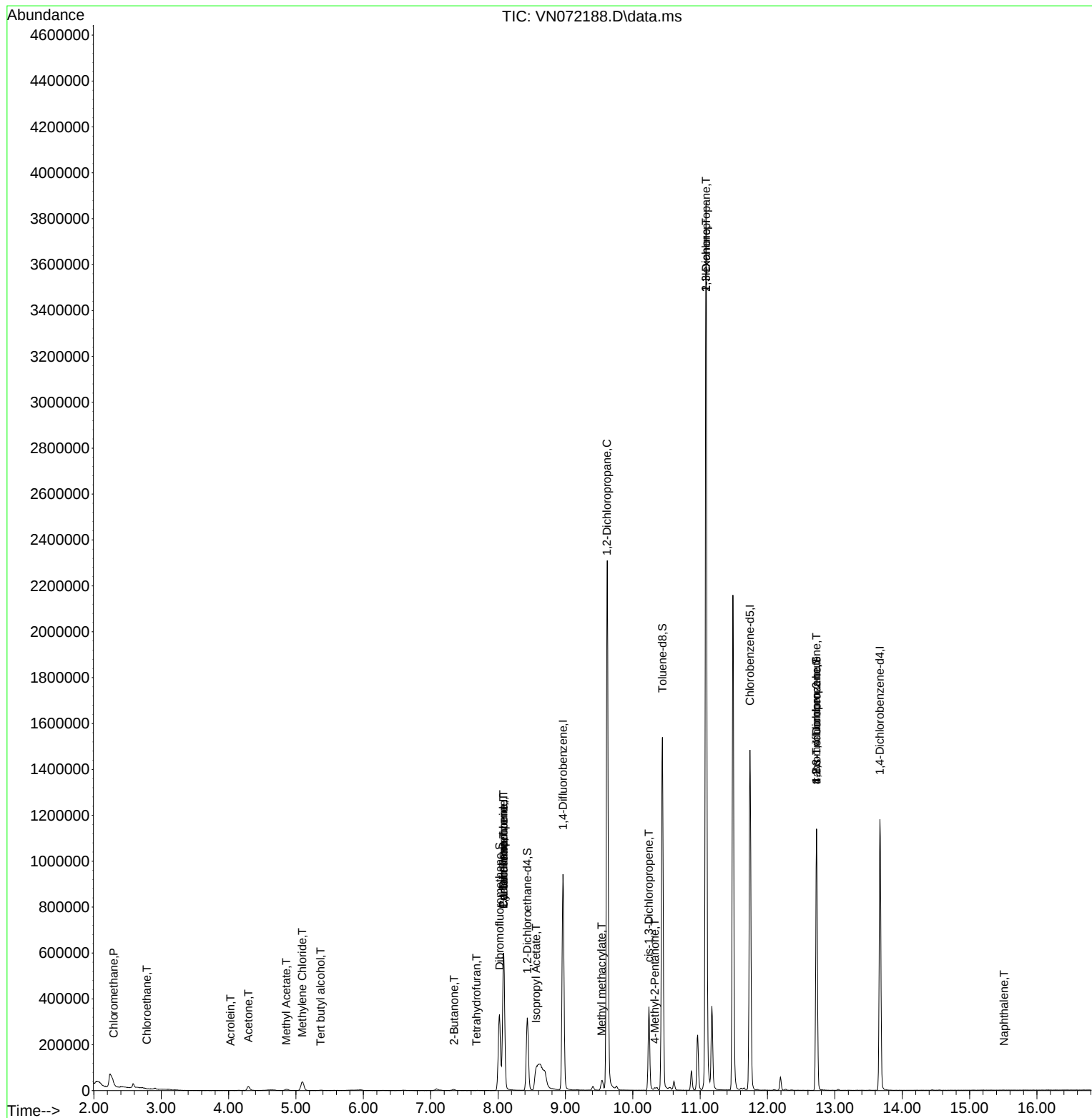
Internal Standards						
1) Pentafluorobenzene	8.081	168	516148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	891008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	975403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	365887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	256070	43.457	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	86.920%		
35) Dibromofluoromethane	8.022	113	247549	47.214	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.420%		
50) Toluene-d8	10.439	98	1141935	53.242	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.480%		
62) 4-Bromofluorobenzene	12.727	95	401054	57.816	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.640%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	1713	0.329	ug/l #	43
6) Chloroethane	2.787	64	2831	0.689	ug/l #	45
11) Tert butyl alcohol	5.363	59	2992	3.129	ug/l #	72
13) Acrolein	4.028	56	387	0.332	ug/l #	58
16) Acetone	4.293	43	30335	12.046	ug/l #	81
18) Methyl Acetate	4.857	43	12410	0.491	ug/l	95
20) Methylene Chloride	5.093	84	35536	6.695	ug/l	89
25) 2-Butanone	7.345	43	9491	2.614	ug/l	94
29) Tetrahydrofuran	7.681	42	531	0.226	ug/l #	37
31) Cyclohexane	8.081	56	7327	0.914	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	31891	4.356	ug/l #	50
38) Carbon Tetrachloride	8.081	117	42416	5.911	ug/l #	17
43) Isopropyl Acetate	8.563	43	117857	8.842	ug/l #	71
45) 1,2-Dichloropropane	9.616	63	3390	0.587	ug/l #	44
48) Methyl methacrylate	9.539	41	11070	2.002	ug/l #	10
49) 1,4-Dioxane	9.628	88	453	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.328	43	5452	0.711	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	75325	8.423	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	47358	4.707	ug/l #	42
59) 2-Hexanone	11.086	43	504554	93.511	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	182640	21.548	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	182640	66.776	ug/l #	10
95) Naphthalene	15.510	128	873	3.851	ug/l #	69

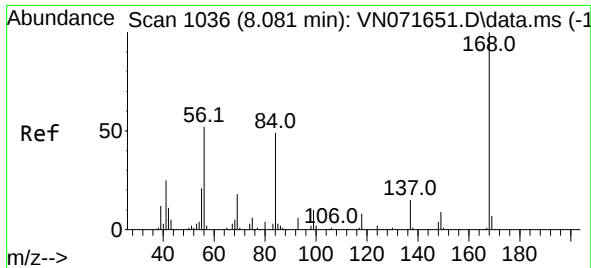
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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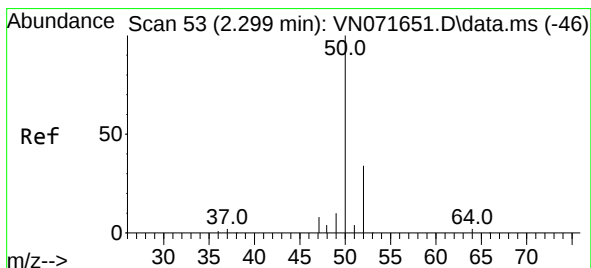
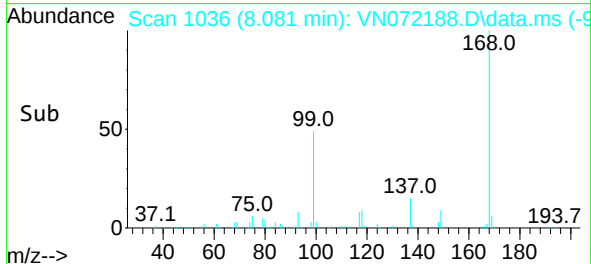
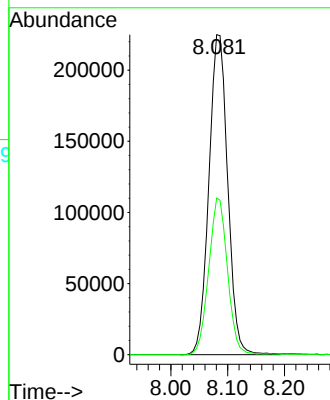
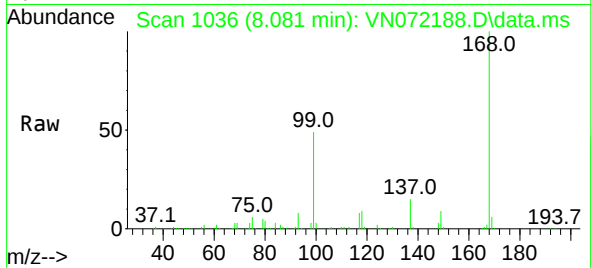




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

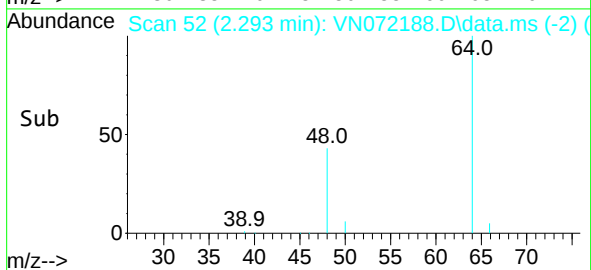
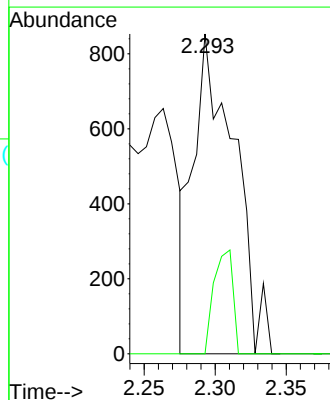
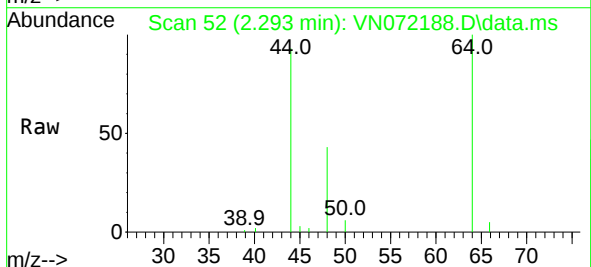
Instrument :
MSVOA_N
ClientSampleId :
TP-9

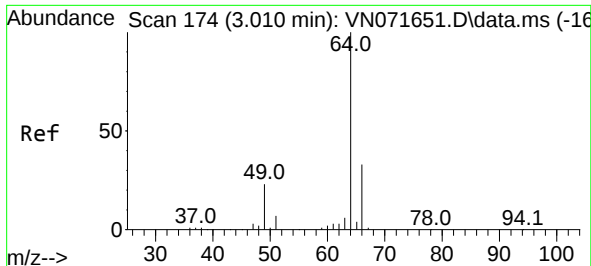
Tgt Ion:168 Resp: 516148
Ion Ratio Lower Upper
168 100
99 49.0 42.3 63.5



#3
Chloromethane
Concen: 0.329 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 50 Resp: 1713
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

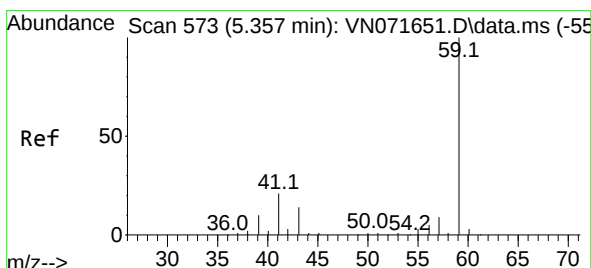
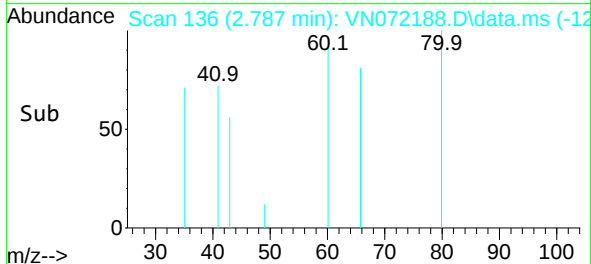
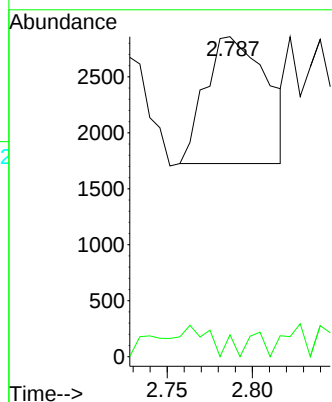
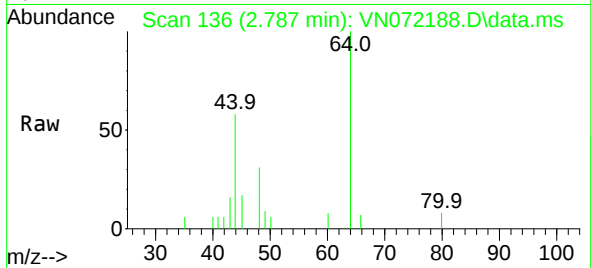




#6
Chloroethane
Concen: 0.689 ug/l
RT: 2.787 min Scan# 11
Delta R.T. -0.223 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

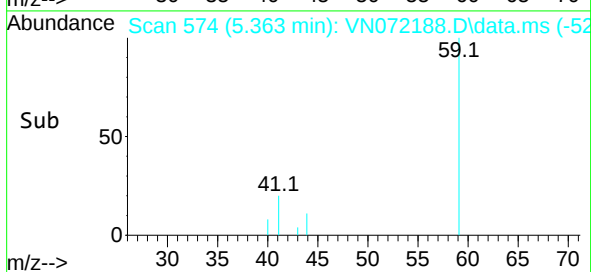
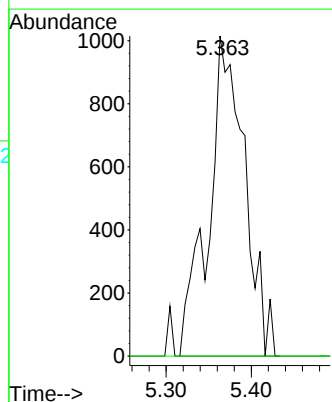
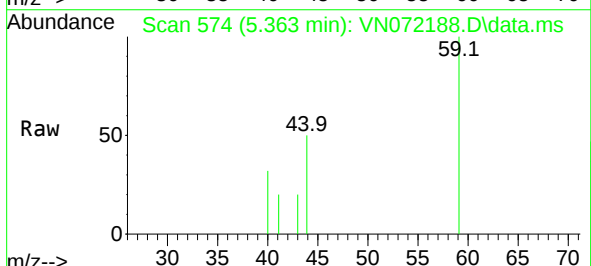
Instrument :
MSVOA_N
ClientSampleId :
TP-9

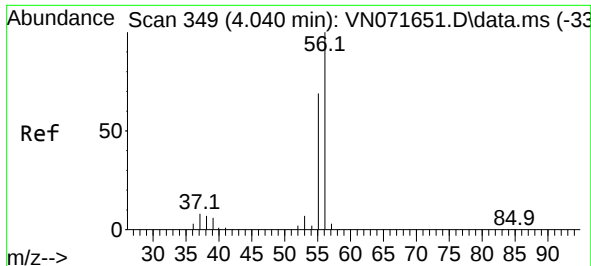
Tgt Ion: 64 Resp: 2831
Ion Ratio Lower Upper
64 100
66 1.6 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.129 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.006 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 59 Resp: 2992
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.332 ug/l

RT: 4.028 min Scan# 34

Delta R.T. -0.012 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

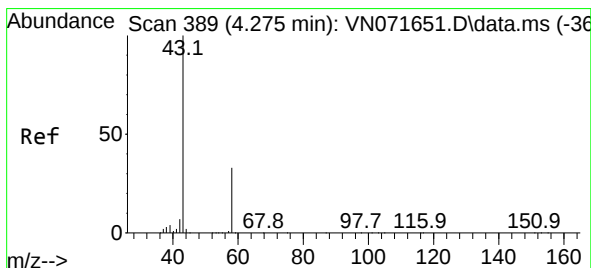
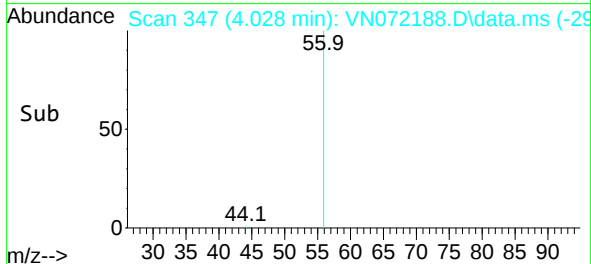
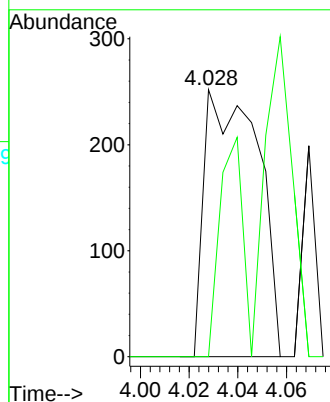
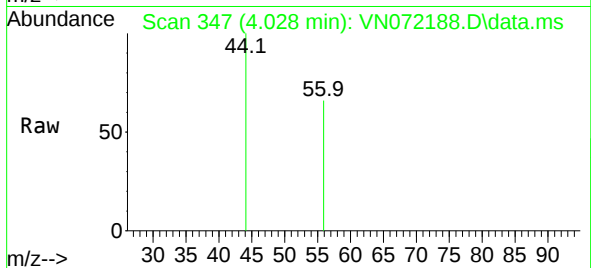
TP-9

Tgt Ion: 56 Resp: 387

Ion Ratio Lower Upper

56 100

55 34.6 54.8 82.2#



#16

Acetone

Concen: 12.046 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN072188.D

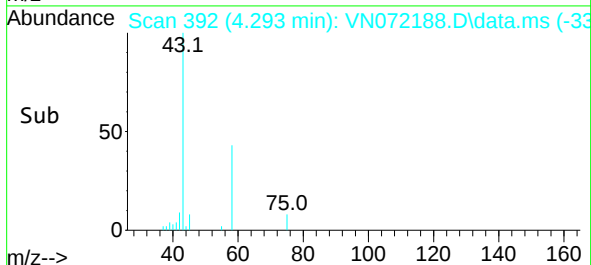
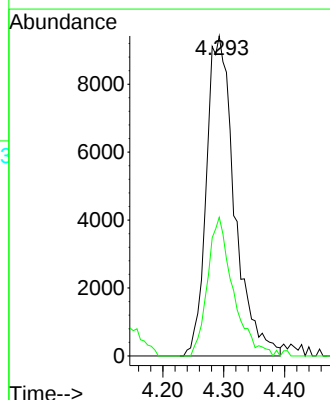
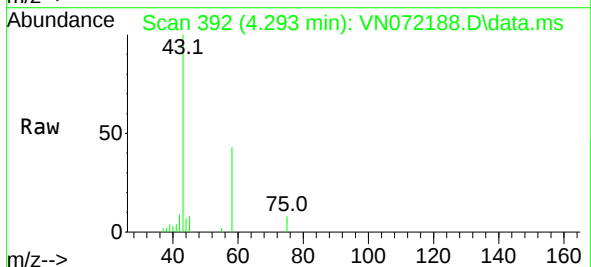
Acq: 25 Apr 2022 18:40

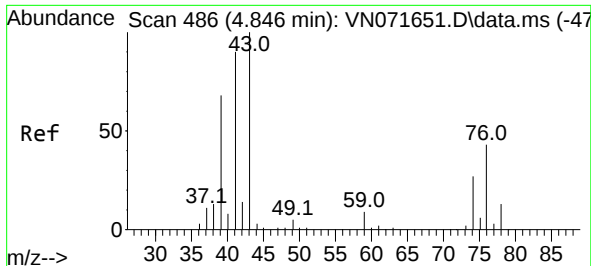
Tgt Ion: 43 Resp: 30335

Ion Ratio Lower Upper

43 100

58 43.3 26.0 39.0#

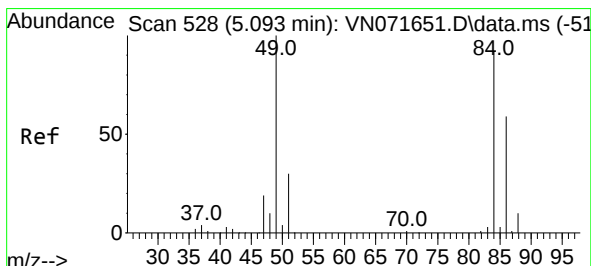
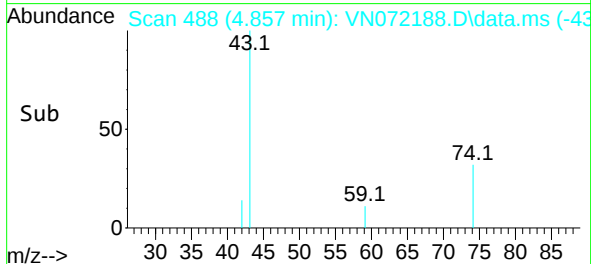
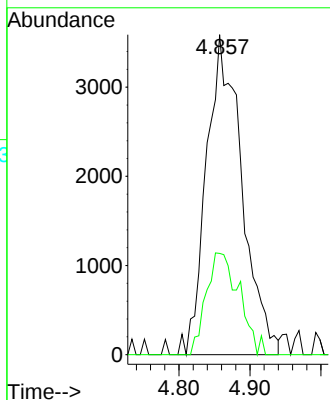
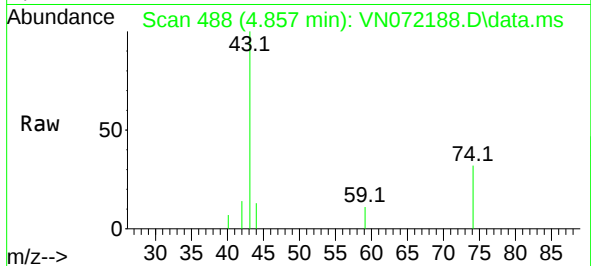




#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

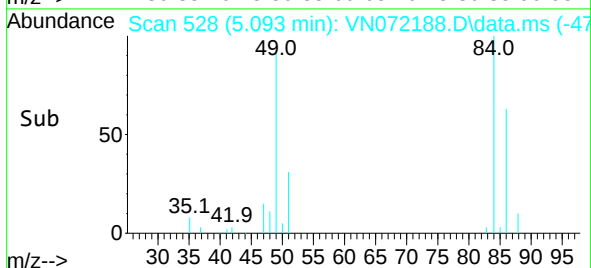
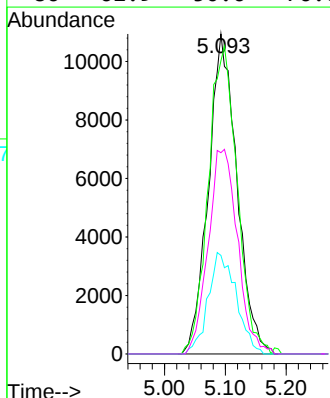
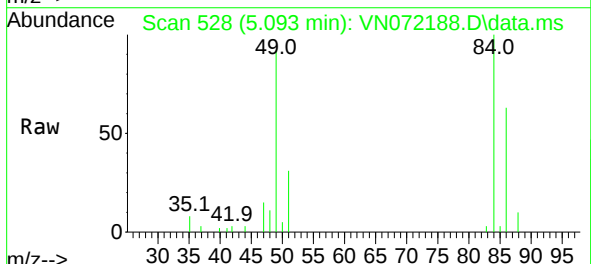
Instrument :
MSVOA_N
ClientSampleId :
TP-9

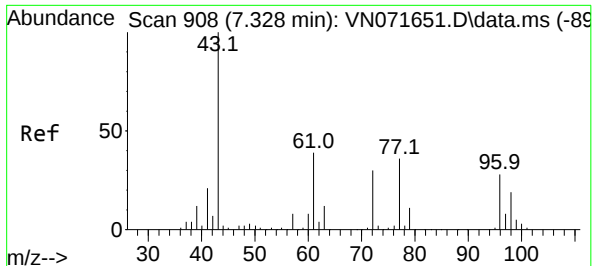
Tgt Ion: 43 Resp: 12410
Ion Ratio Lower Upper
43 100
74 29.7 21.6 32.4



#20
Methylene Chloride
Concen: 6.695 ug/l
RT: 5.093 min Scan# 528
Delta R.T. -0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 84 Resp: 35536
Ion Ratio Lower Upper
84 100
49 91.6 88.3 132.5
51 30.8 28.2 42.2
86 62.9 50.6 76.0





#25

2-Butanone

Concen: 2.614 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

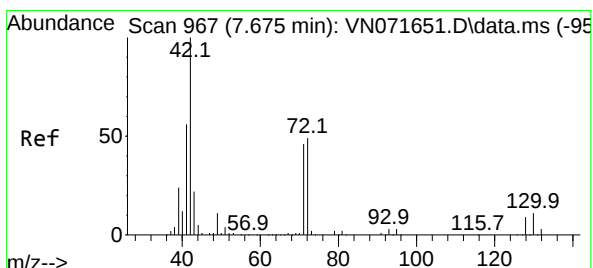
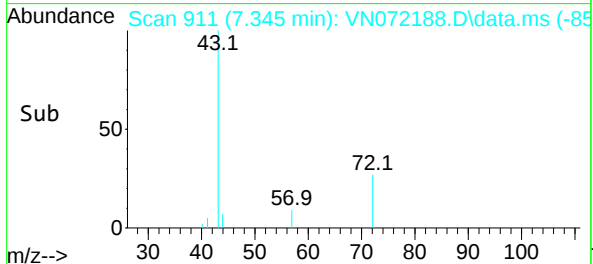
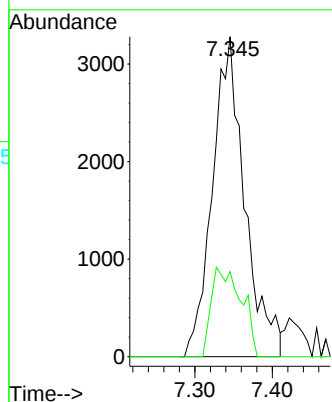
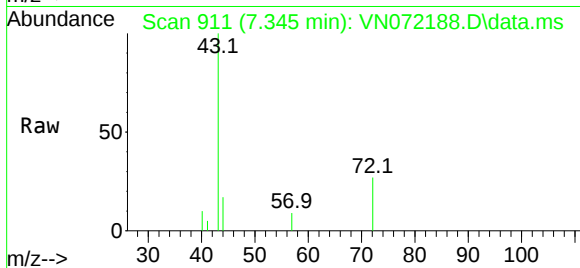
TP-9

Tgt Ion: 43 Resp: 9491

Ion Ratio Lower Upper

43 100

72 26.6 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 7.681 min Scan# 968

Delta R.T. 0.006 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

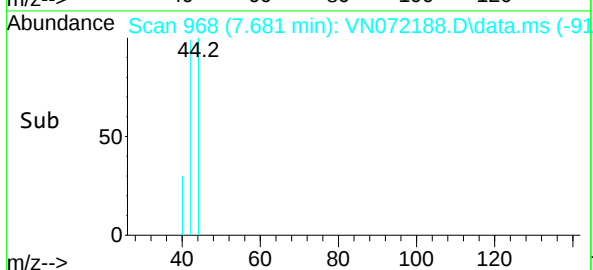
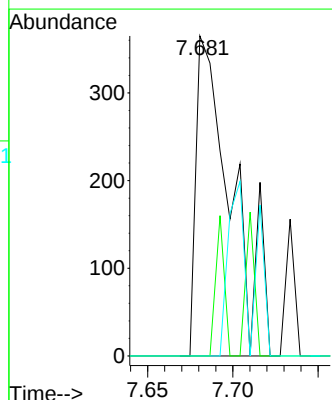
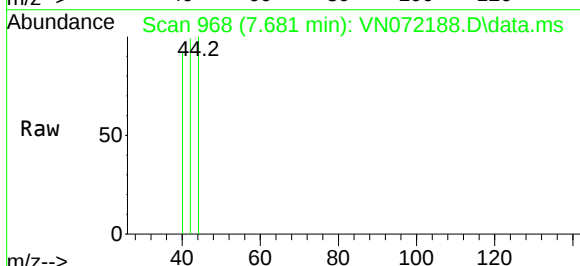
Tgt Ion: 42 Resp: 531

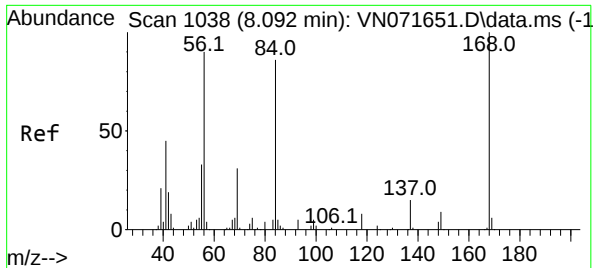
Ion Ratio Lower Upper

42 100

72 10.5 39.7 59.5#

71 0.0 36.6 55.0#

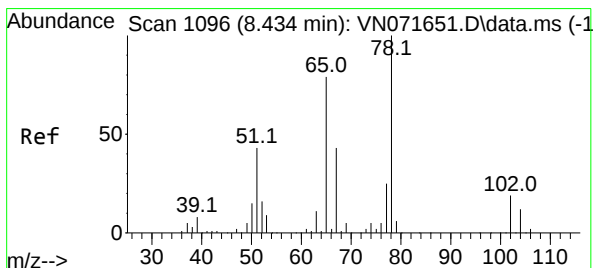
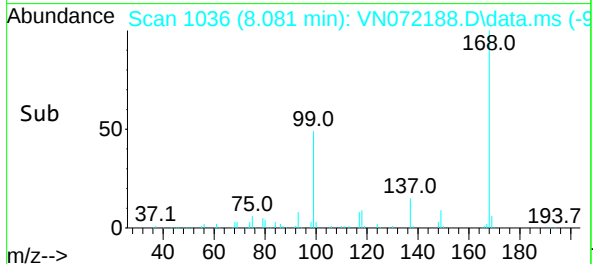
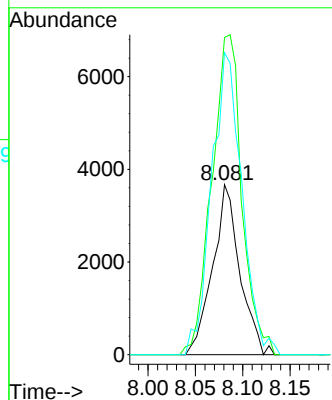
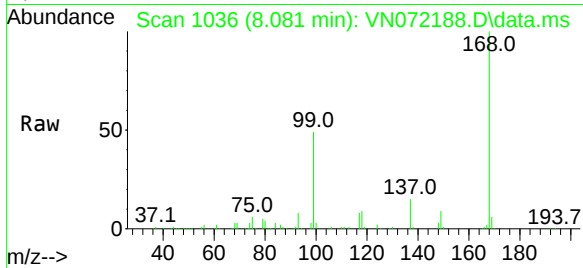




#31
Cyclohexane
Concen: 0.914 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

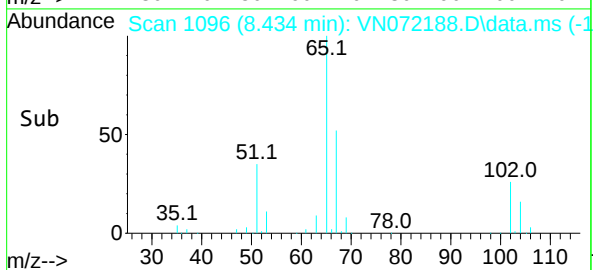
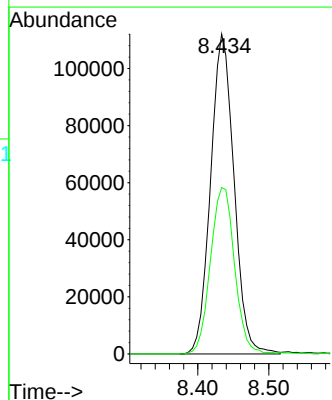
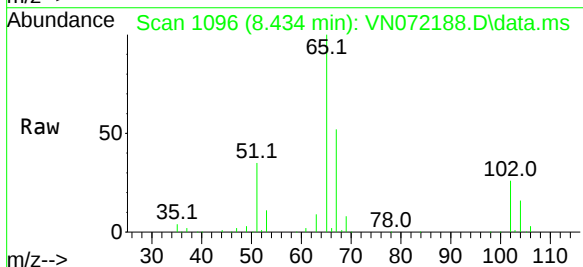
Instrument :
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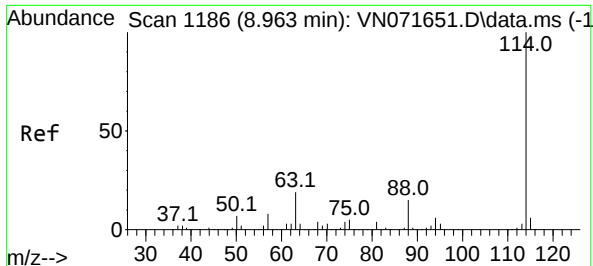
Tgt Ion: 56 Resp: 7327
Ion Ratio Lower Upper
56 100
69 186.4 27.8 41.8#
84 177.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 43.457 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 65 Resp: 256070
Ion Ratio Lower Upper
65 100
67 53.9 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: VN072188.D

Acq: 25 Apr 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

TP-9

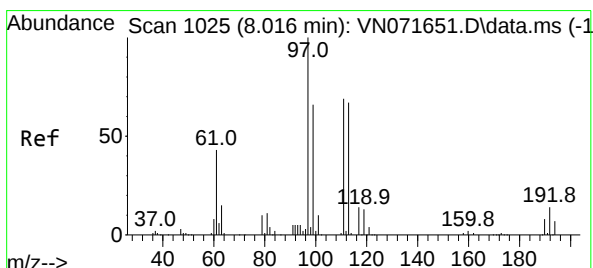
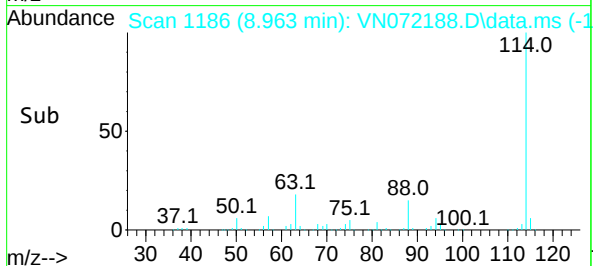
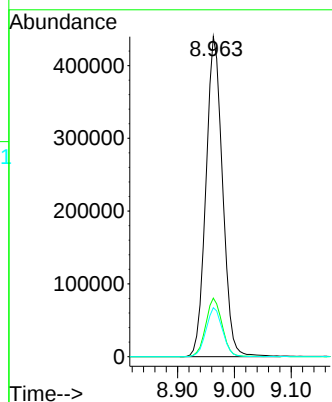
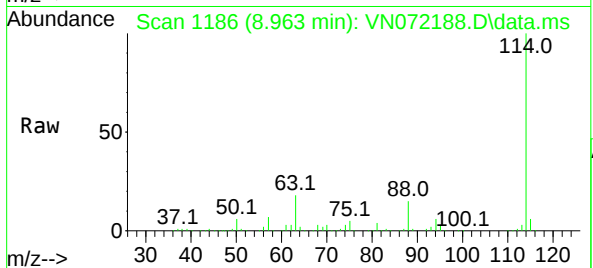
Tgt Ion:114 Resp: 891008

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.214 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

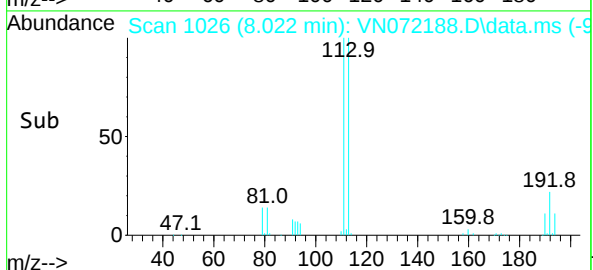
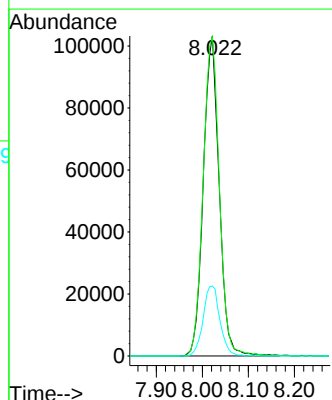
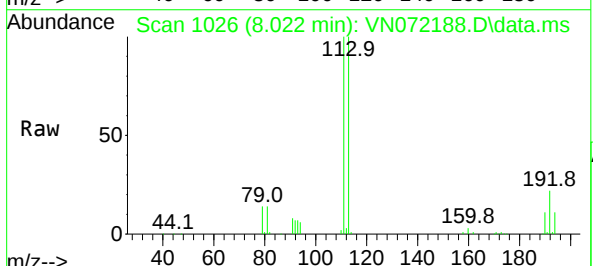
Tgt Ion:113 Resp: 247549

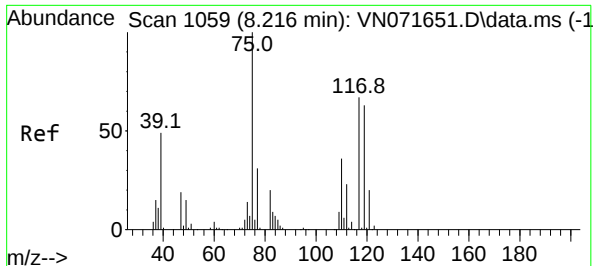
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 23.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.356 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

TP-9

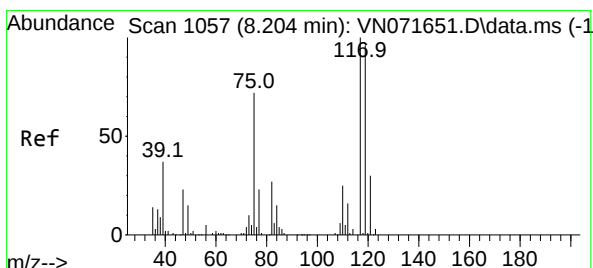
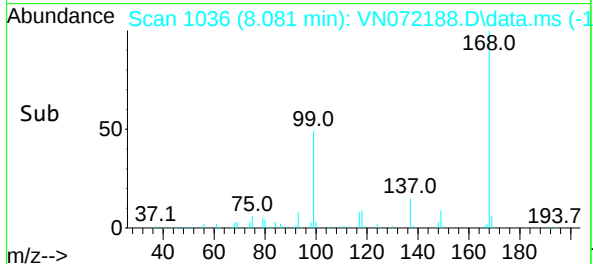
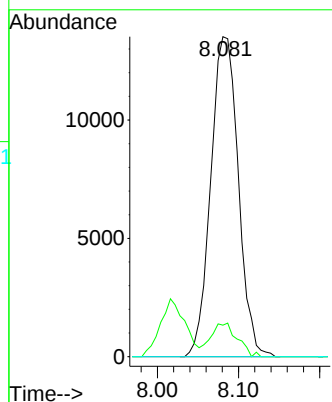
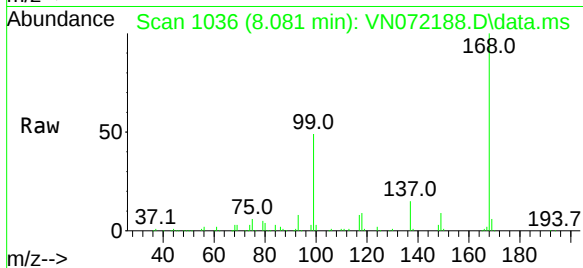
Tgt Ion: 75 Resp: 31891

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.911 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

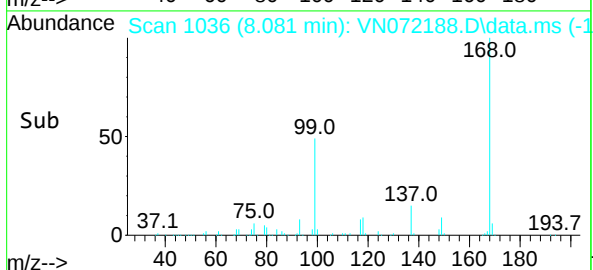
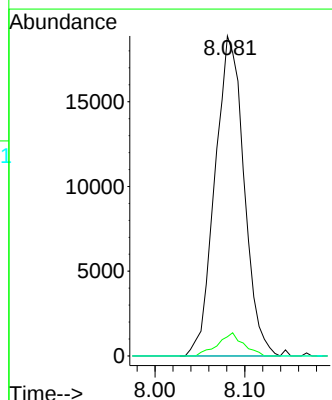
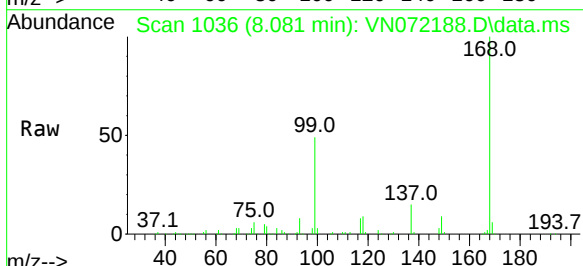
Tgt Ion: 117 Resp: 42416

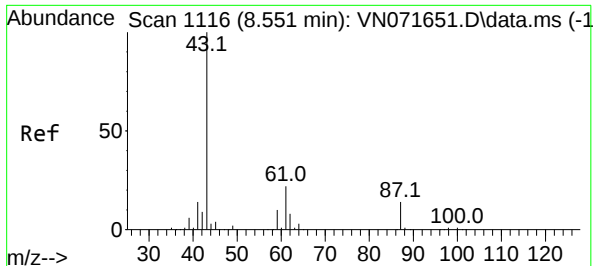
Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.8#

121 0.0 24.6 37.0#

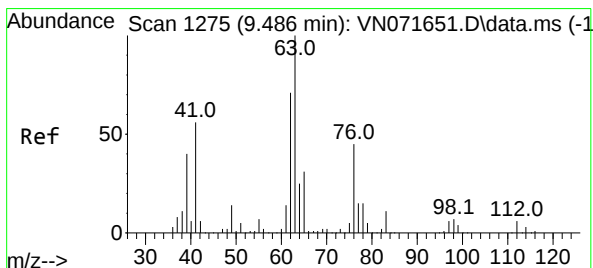
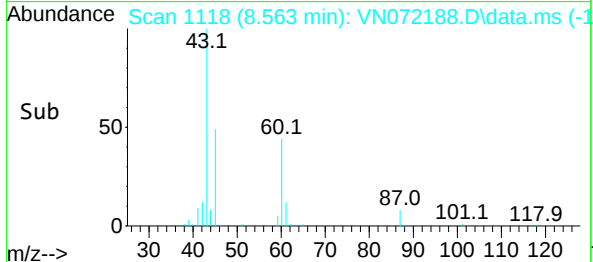
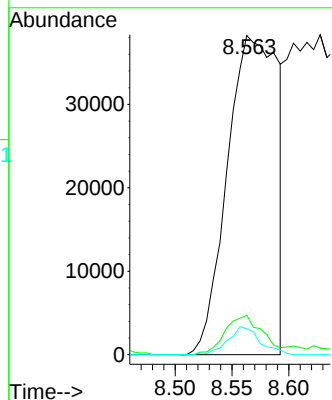
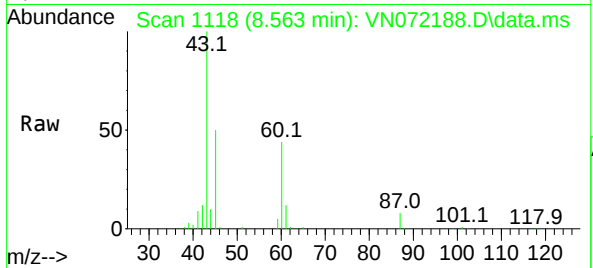




#43
Isopropyl Acetate
Concen: 8.842 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

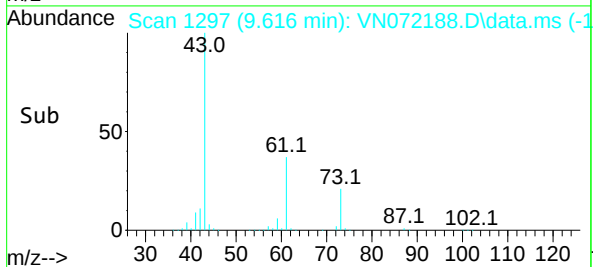
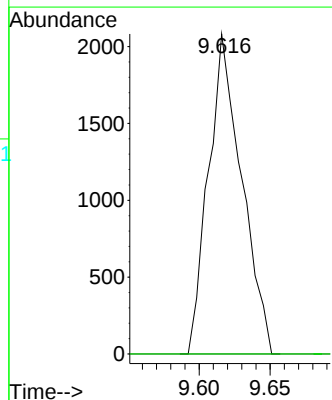
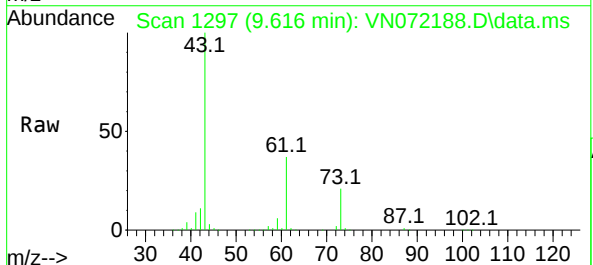
Instrument :
MSVOA_N
ClientSampleId :
TP-9

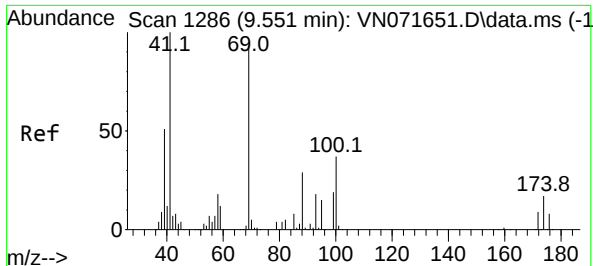
Tgt Ion: 43 Resp: 117857
Ion Ratio Lower Upper
43 100
61 10.2 21.9 32.9#
87 5.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.587 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 63 Resp: 3390
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.002 ug/l

RT: 9.539 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

Instrument :

MSVOA_N

ClientSampleId :

TP-9

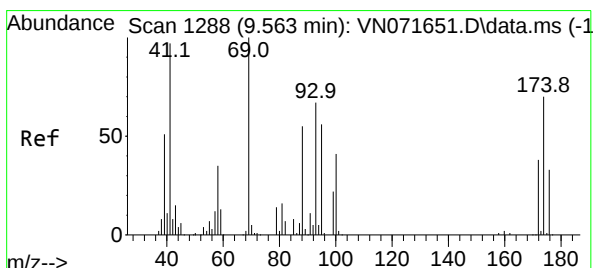
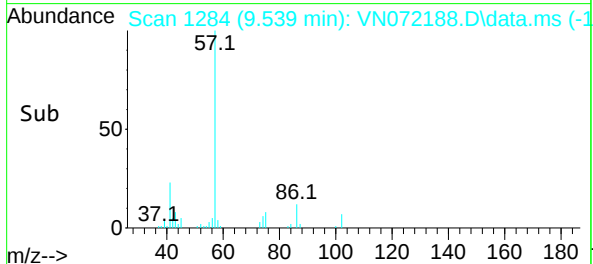
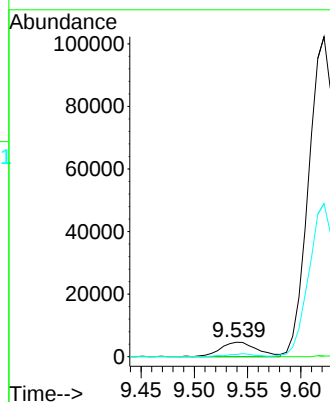
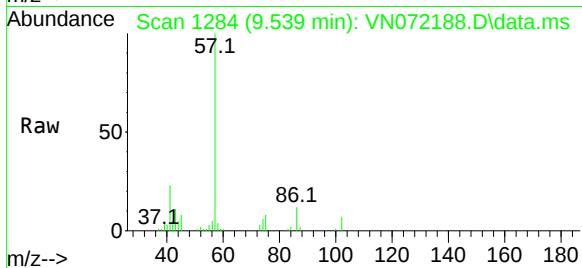
Tgt Ion: 41 Resp: 11070

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: 9.628 min Scan# 1299

Delta R.T. 0.065 min

Lab File: VN072188.D

Acq: 25 Apr 2022 18:40

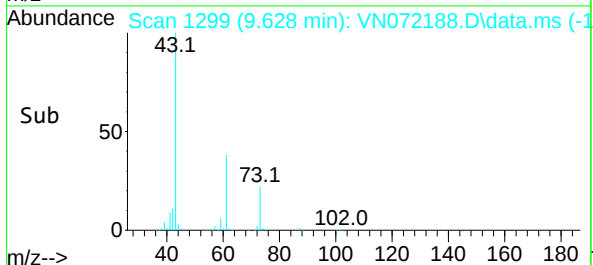
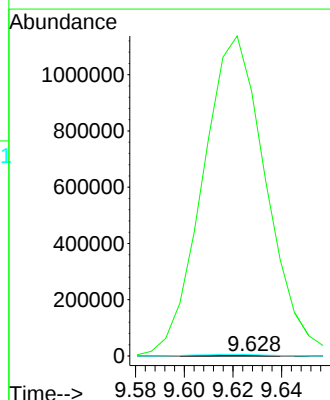
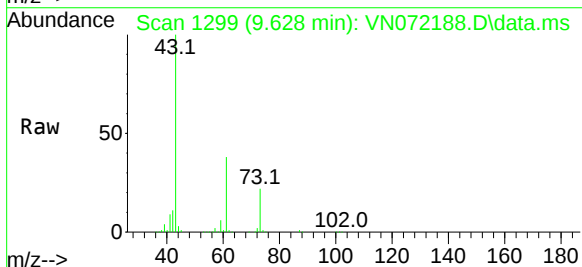
Tgt Ion: 88 Resp: 453

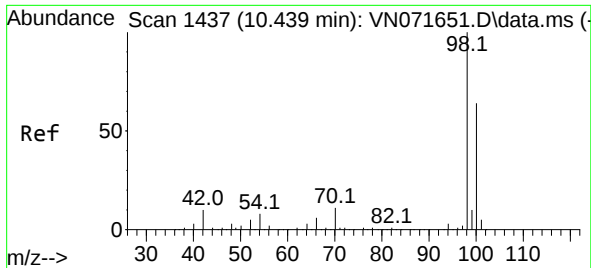
Ion Ratio Lower Upper

88 100

43 464844.4 20.2 30.4#

58 2558.5 54.2 81.4#

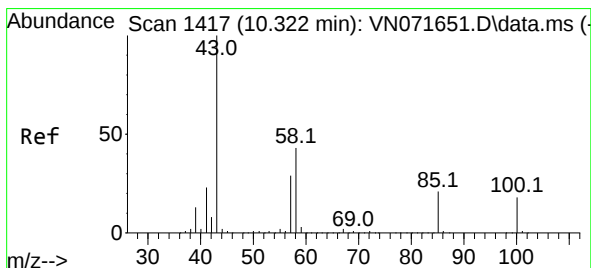
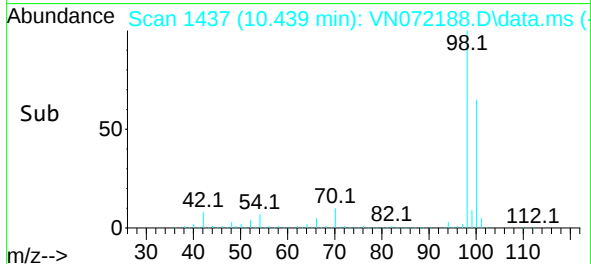
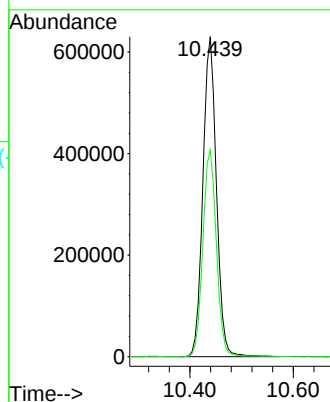
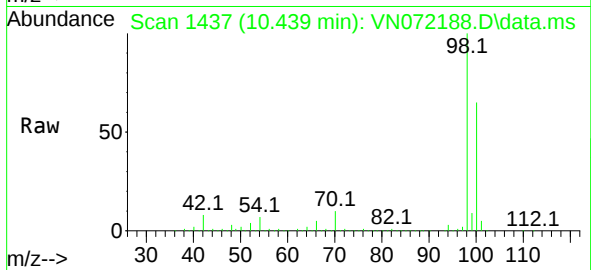




#50
Toluene-d8
Concen: 53.242 ug/l
RT: 10.439 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

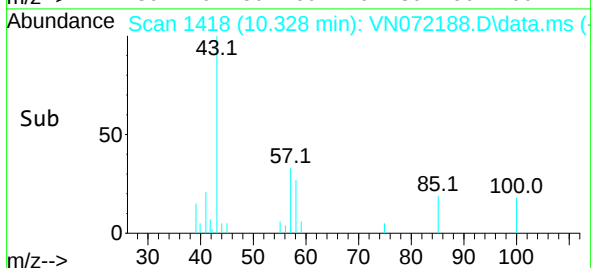
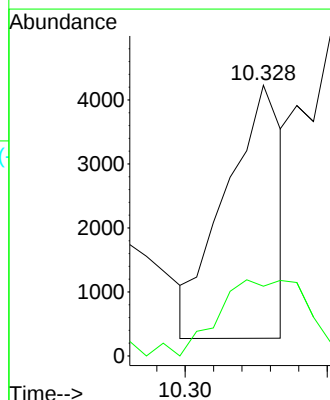
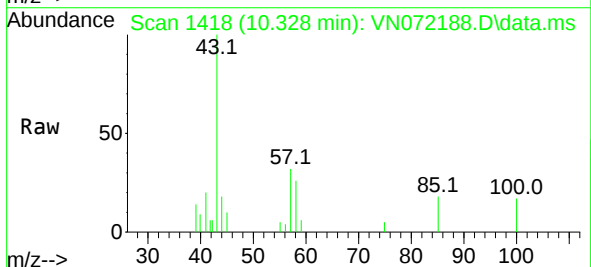
Instrument :
MSVOA_N
ClientSampleId :
TP-9

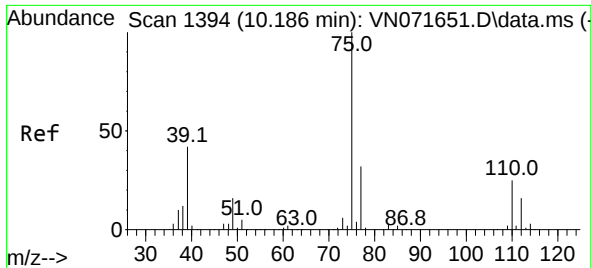
Tgt Ion: 98 Resp: 1141935
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.711 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 43 Resp: 5452
Ion Ratio Lower Upper
43 100
58 50.3 34.1 51.1

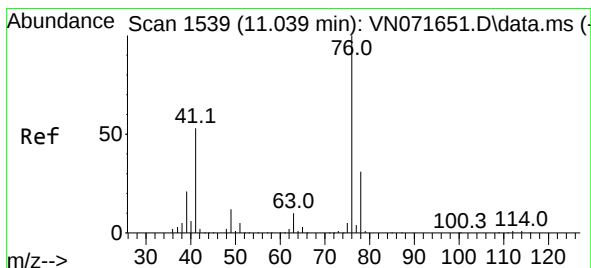
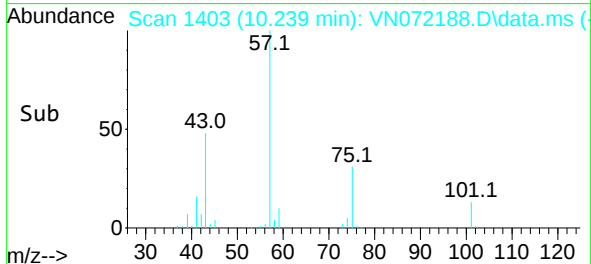
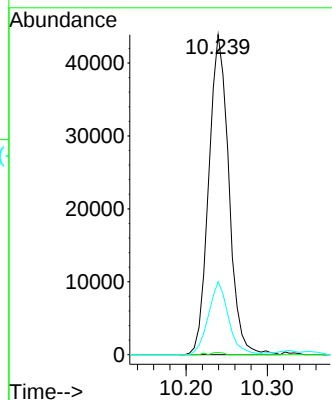
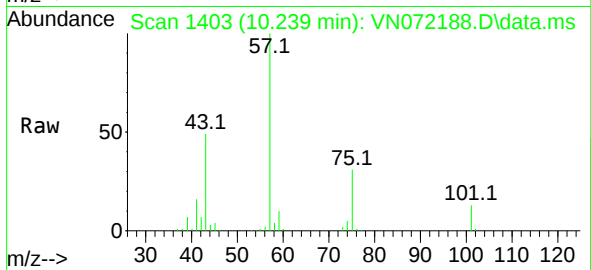




#54
 cis-1,3-Dichloropropene
 Concen: 8.423 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072188.D
 Acq: 25 Apr 2022 18:40

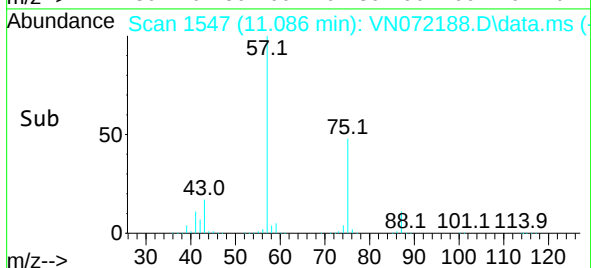
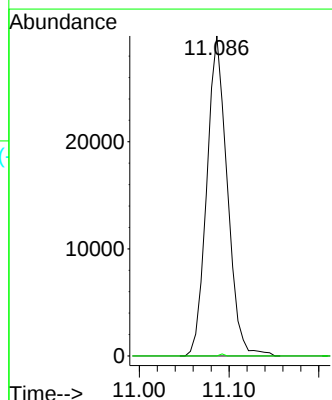
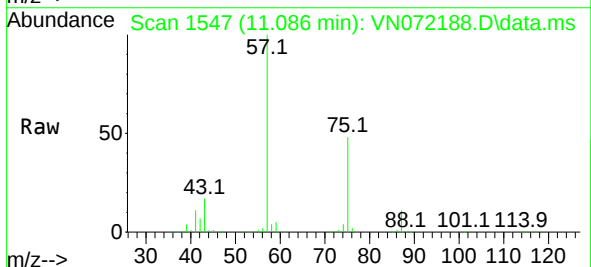
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

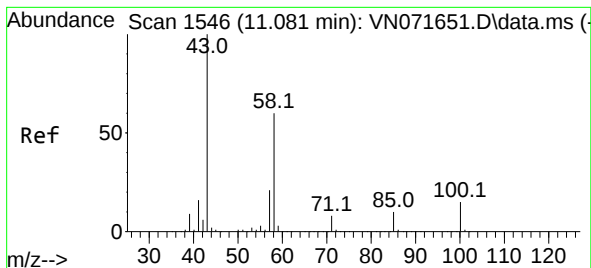
Tgt Ion: 75 Resp: 75325
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 22.8 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 4.707 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072188.D
 Acq: 25 Apr 2022 18:40

Tgt Ion: 76 Resp: 47358
 Ion Ratio Lower Upper
 76 100
 78 0.1 26.2 39.2#

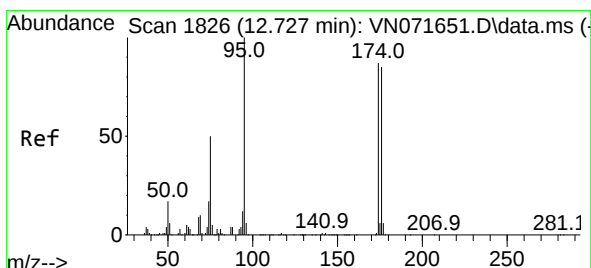
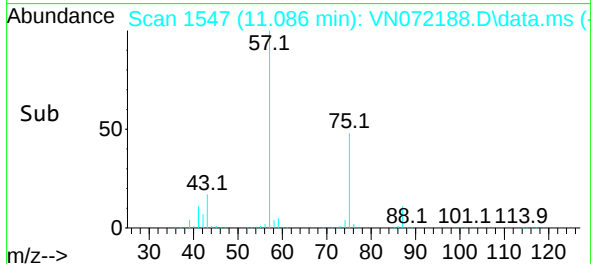
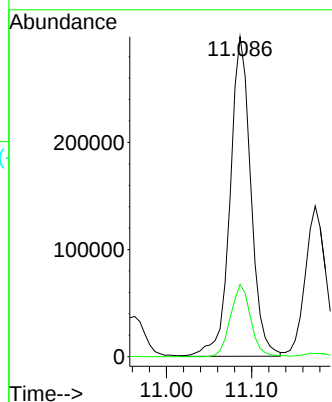
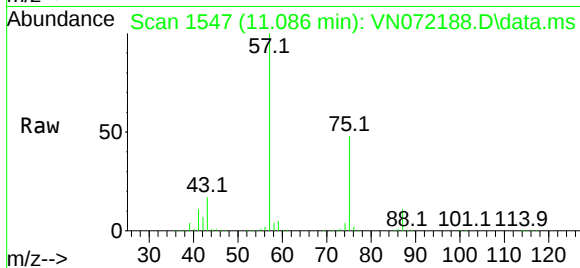




#59
2-Hexanone
Concen: 93.511 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

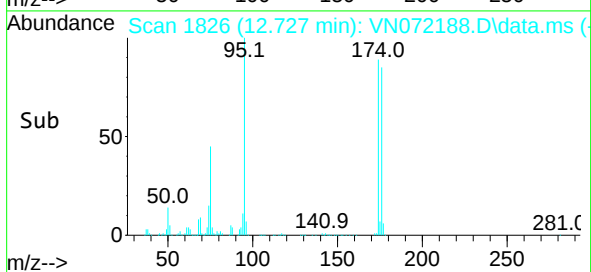
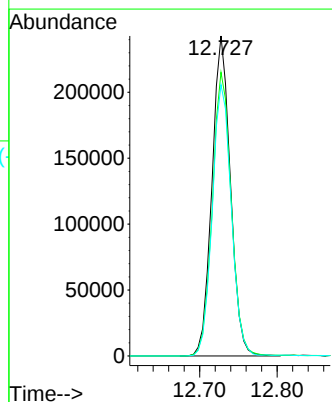
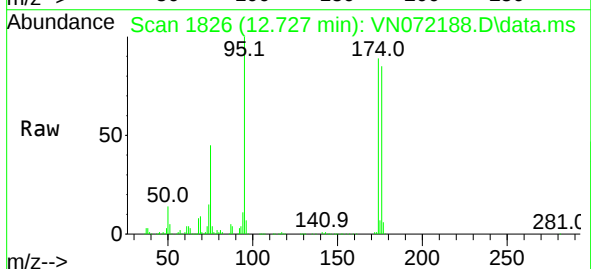
Instrument :
MSVOA_N
ClientSampleId :
TP-9

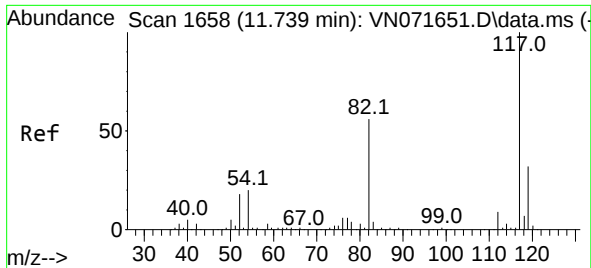
Tgt Ion: 43 Resp: 504554
Ion Ratio Lower Upper
43 100
58 22.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.816 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion: 95 Resp: 401054
Ion Ratio Lower Upper
95 100
174 90.9 0.0 167.6
176 87.3 0.0 163.4

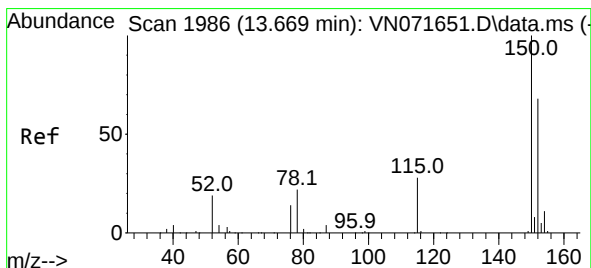
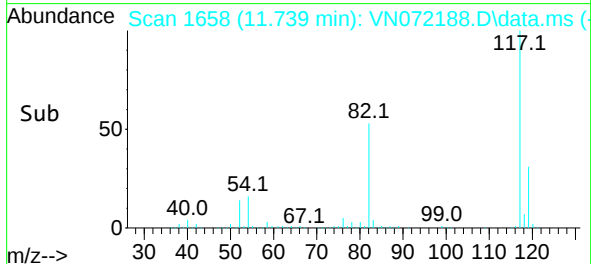
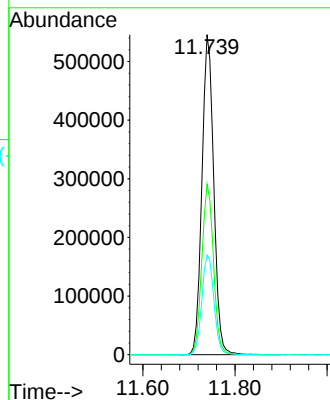
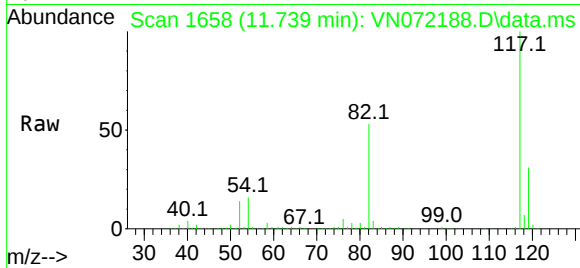




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

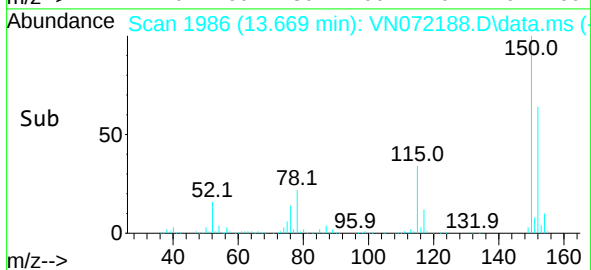
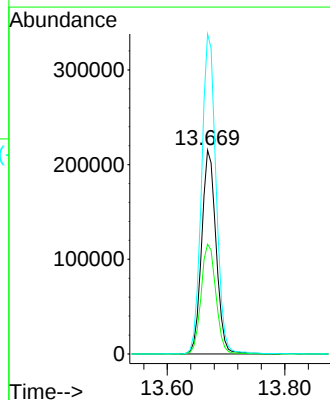
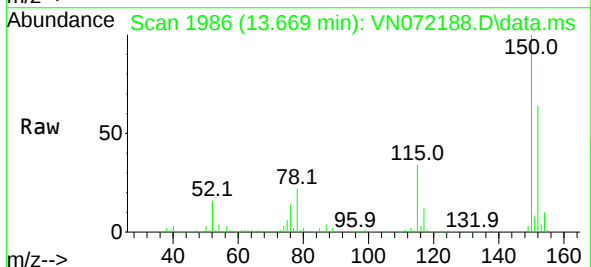
Instrument :
MSVOA_N
ClientSampleId :
TP-9

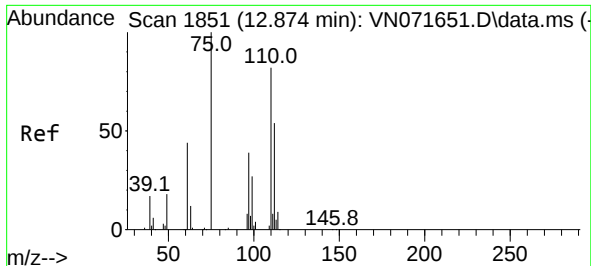
Tgt Ion:117 Resp: 975403
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

Tgt Ion:152 Resp: 365887
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 157.6 0.0 356.2

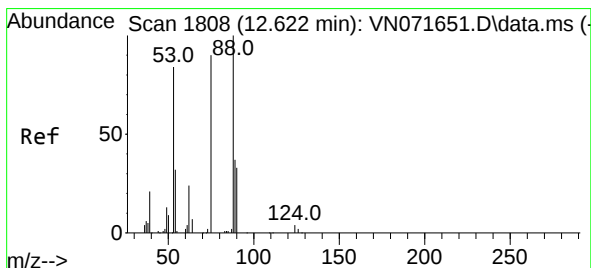
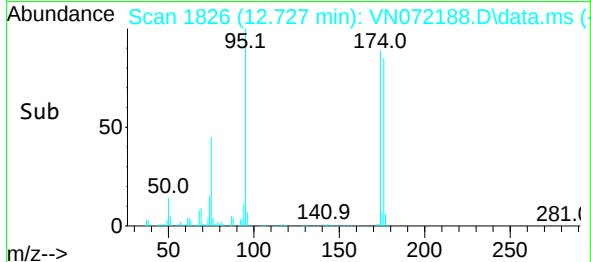
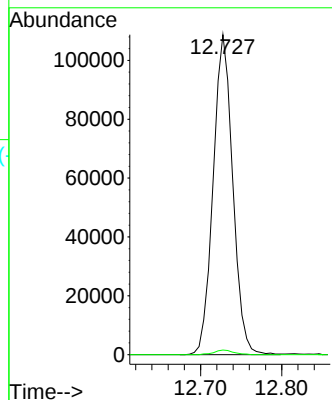
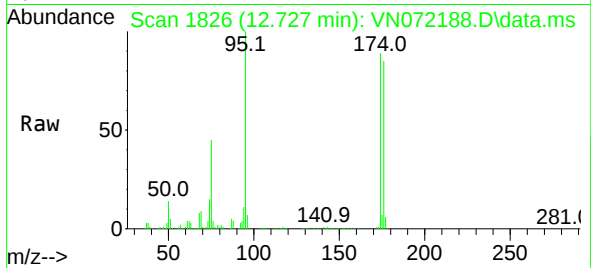




#76
1,2,3-Trichloropropane
Concen: 21.548 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

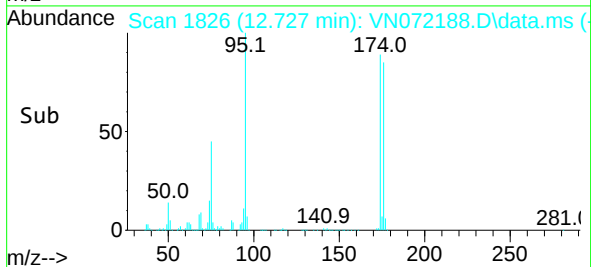
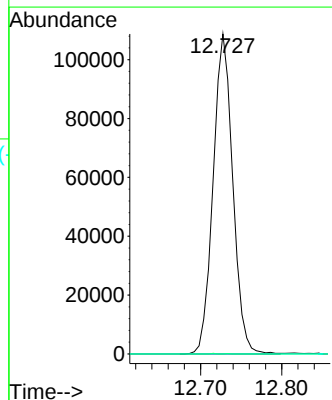
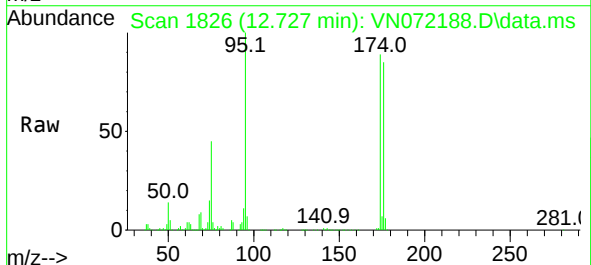
Instrument :
MSVOA_N
ClientSampleId :
TP-9

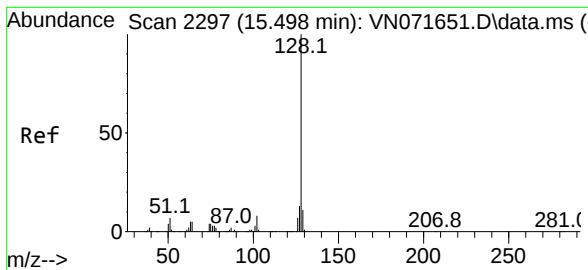
Tgt Ion: 75 Resp: 182640
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.776 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072188.D
Acq: 25 Apr 2022 18:40

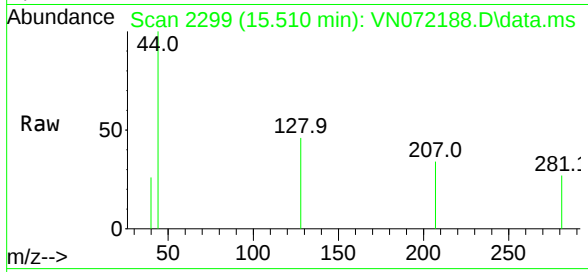
Tgt Ion: 75 Resp: 182640
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 3.851 ug/l
 RT: 15.510 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN072188.D
 Acq: 25 Apr 2022 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9



Tgt Ion:	128	Resp:	873
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

