

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072189.D
 Acq On : 25 Apr 2022 19:04
 Operator : JC\MD
 Sample : N2548-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Quant Time: Apr 26 05:41:21 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)

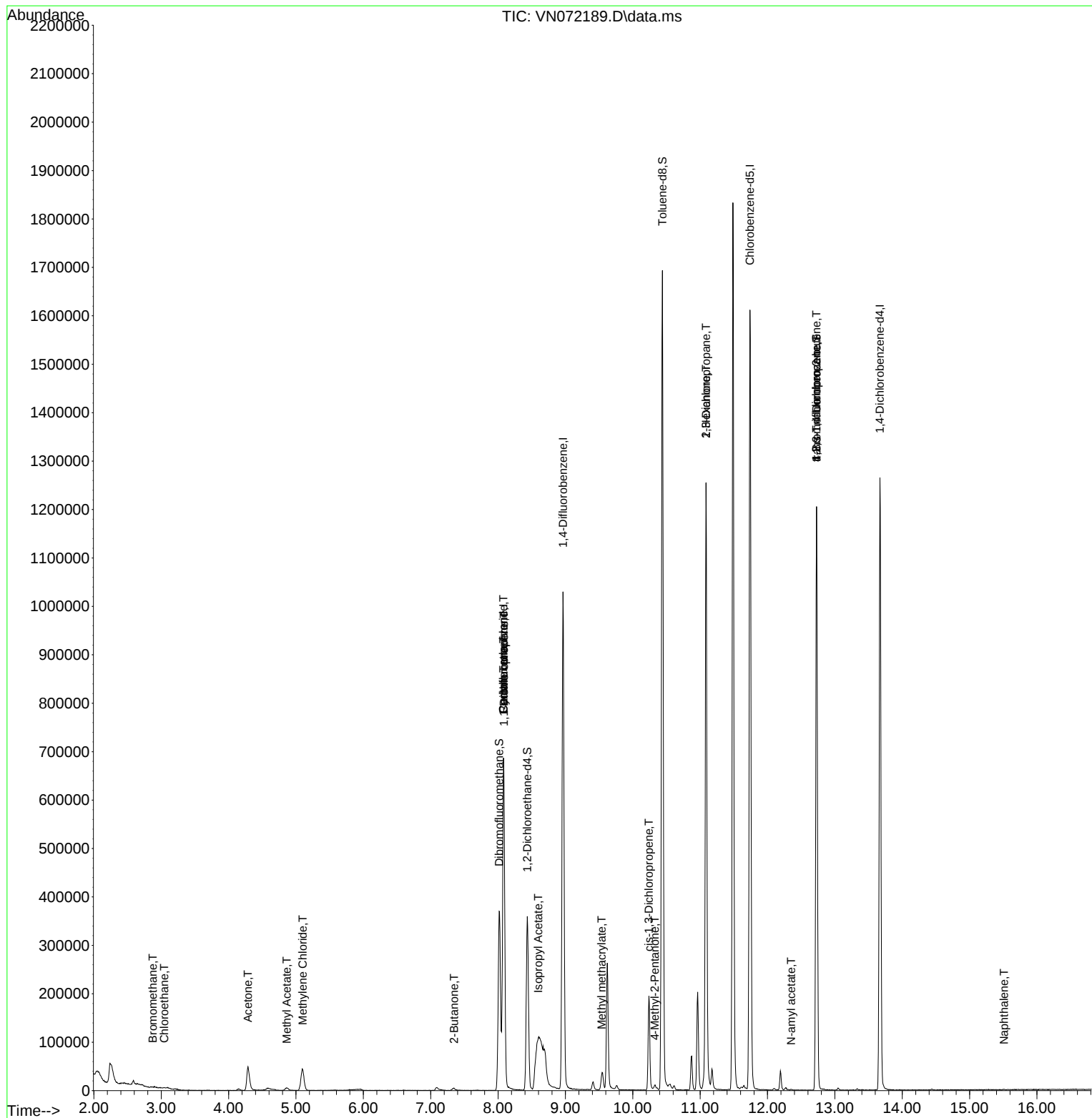
Internal Standards						
1) Pentafluorobenzene	8.081	168	576459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	991938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1065406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	397571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	290843	44.195	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.380%
35) Dibromofluoromethane	8.016	113	283368	48.547	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.100%
50) Toluene-d8	10.439	98	1243652	52.084	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.160%
62) 4-Bromofluorobenzene	12.727	95	430309	55.722	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	111.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	836	0.202	ug/l #	66
6) Chloroethane	3.046	64	1647	0.359	ug/l #	42
16) Acetone	4.287	43	85818	30.513	ug/l #	82
18) Methyl Acetate	4.863	43	11940	0.207	ug/l	97
20) Methylene Chloride	5.098	84	40617	6.852	ug/l	89
25) 2-Butanone	7.345	43	8699	2.146	ug/l	94
31) Cyclohexane	8.081	56	8188	0.915	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	34744	4.262	ug/l #	49
38) Carbon Tetrachloride	8.081	117	51036	6.389	ug/l #	17
43) Isopropyl Acetate	8.598	43	218332	14.713	ug/l #	53
48) Methyl methacrylate	9.539	41	10132	1.646	ug/l #	19
51) 4-Methyl-2-Pentanone	10.327	43	9295	1.089	ug/l #	85
54) cis-1,3-Dichloropropene	10.239	75	41670	4.185	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	15713	1.403	ug/l #	42
59) 2-Hexanone	11.086	43	175285	29.181	ug/l #	50
74) N-amyl acetate	12.351	43	2163	0.225	ug/l #	40
76) 1,2,3-Trichloropropane	12.727	75	199315	21.641	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	199315	67.065	ug/l #	11
95) Naphthalene	15.509	128	695	3.838	ug/l #	69

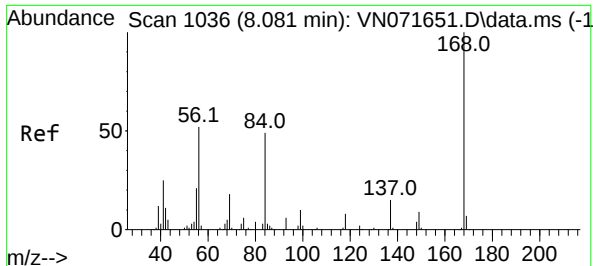
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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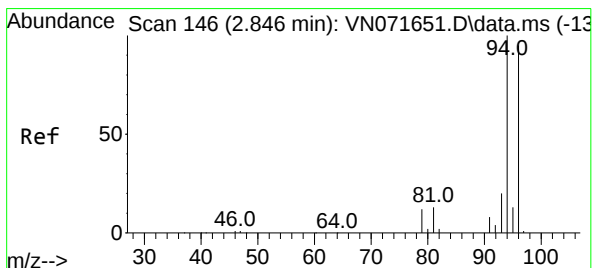
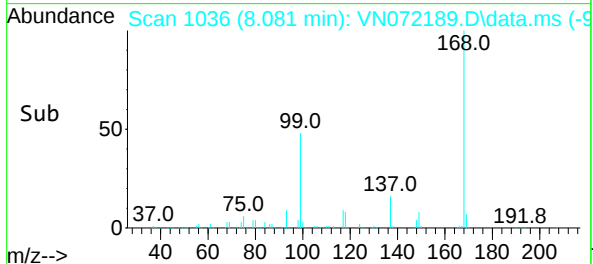
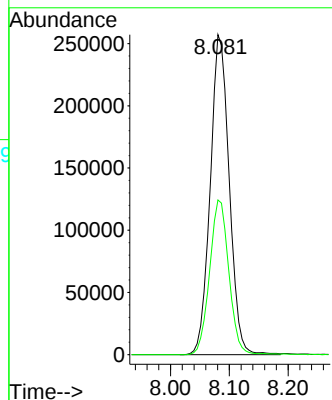
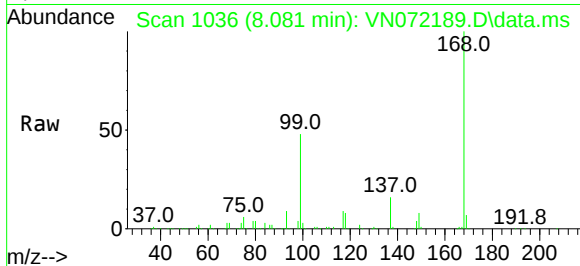




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

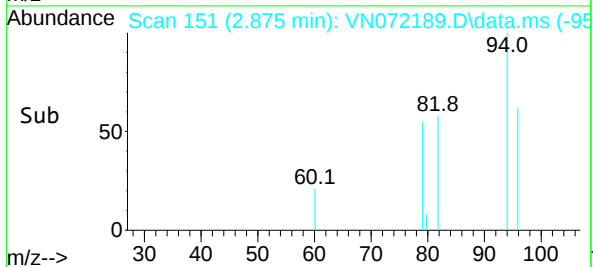
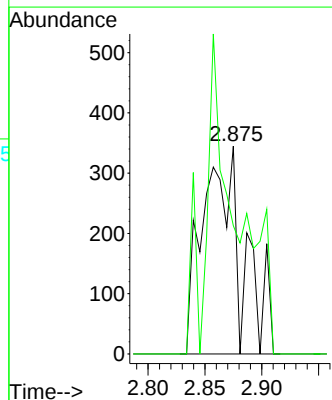
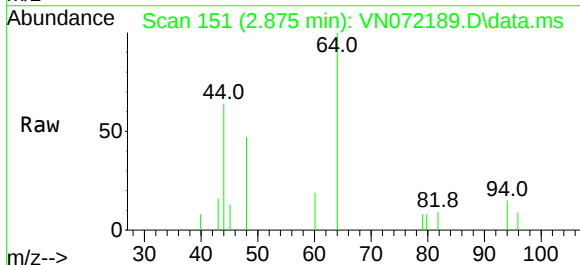
Instrument :
MSVOA_N
ClientSampleId :
TP-11

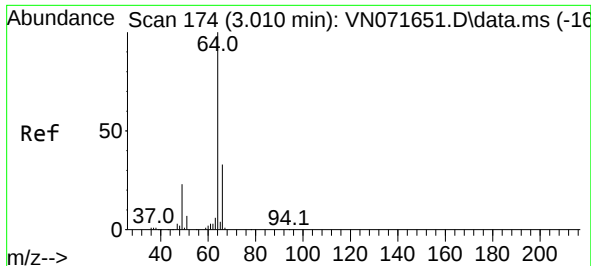
Tgt Ion:168 Resp: 576459
Ion Ratio Lower Upper
168 100
99 48.4 42.3 63.5



#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.875 min Scan# 151
Delta R.T. 0.029 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 94 Resp: 836
Ion Ratio Lower Upper
94 100
96 61.7 76.0 114.0#

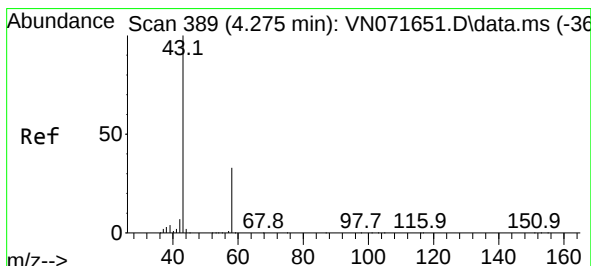
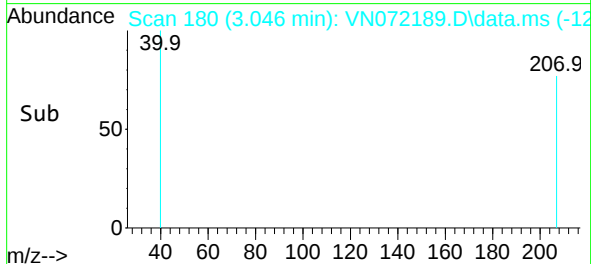
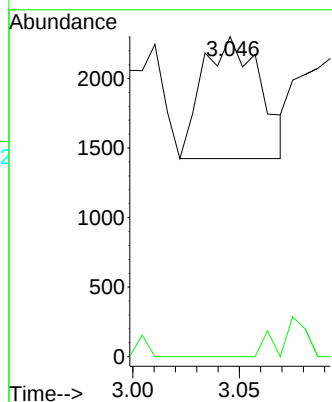
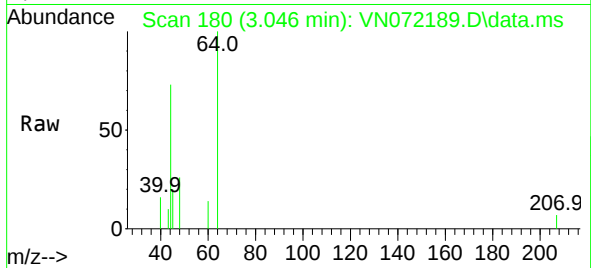




#6
Chloroethane
Concen: 0.359 ug/l
RT: 3.046 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

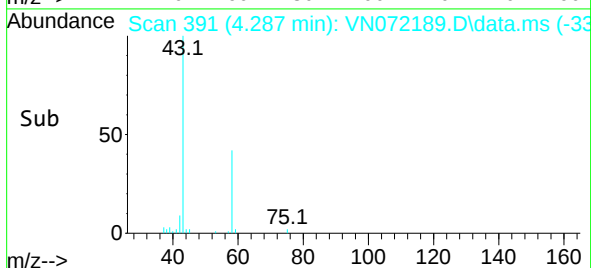
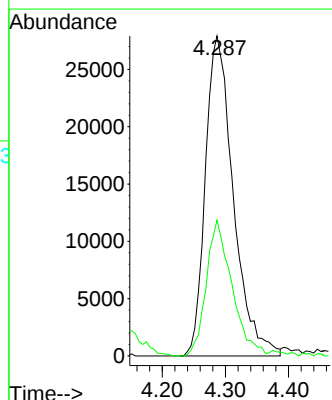
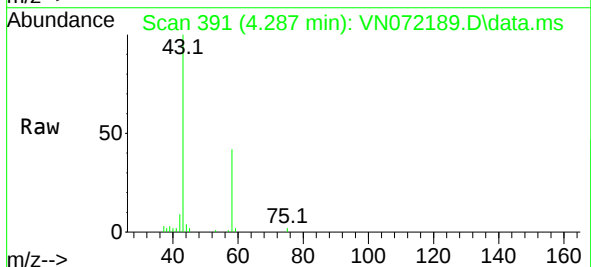
Instrument :
MSVOA_N
ClientSampleId :
TP-11

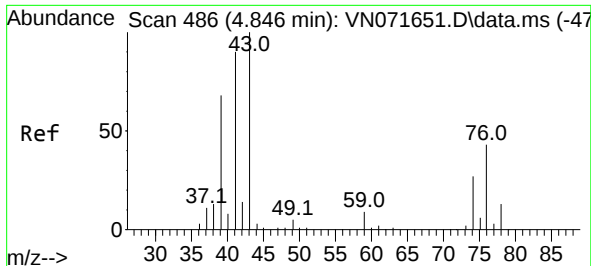
Tgt Ion: 64 Resp: 1647
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 30.513 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 43 Resp: 85818
Ion Ratio Lower Upper
43 100
58 42.4 26.0 39.0#

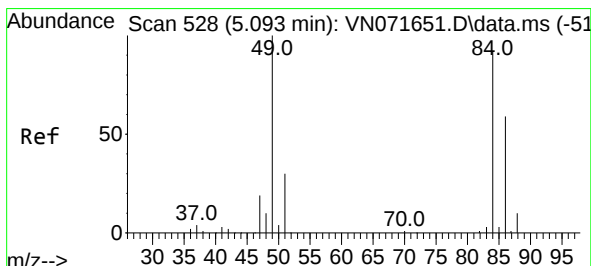
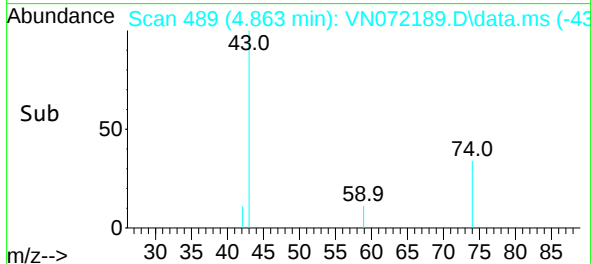
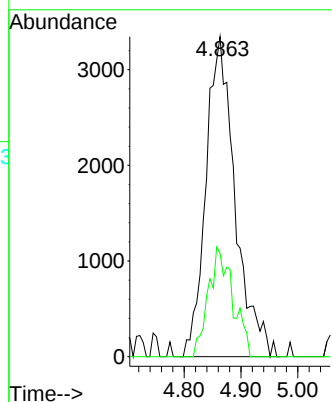
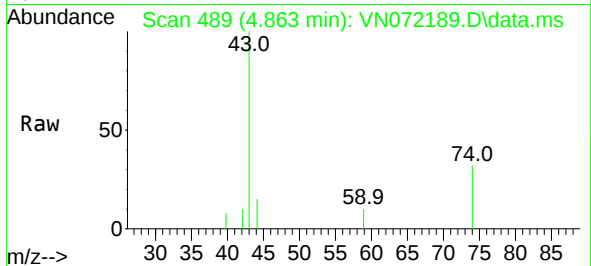




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

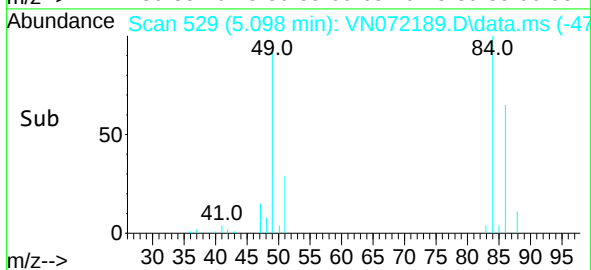
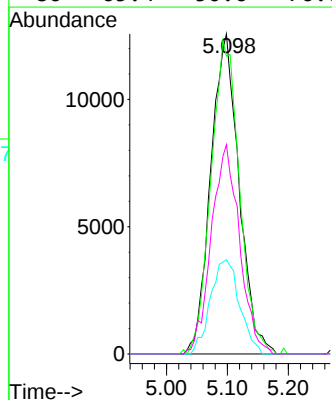
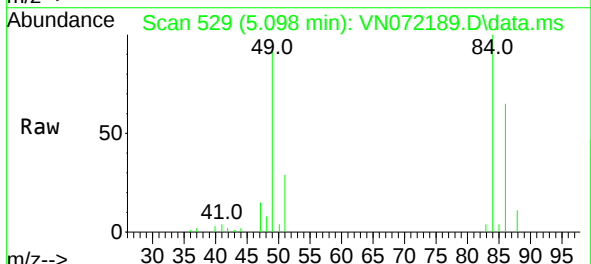
Instrument :
MSVOA_N
ClientSampleId :
TP-11

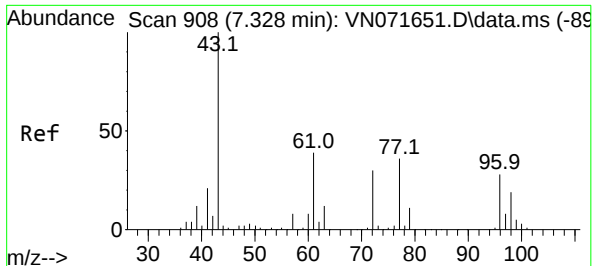
Tgt Ion: 43 Resp: 11940
Ion Ratio Lower Upper
43 100
74 28.7 21.6 32.4



#20
Methylene Chloride
Concen: 6.852 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 84 Resp: 40617
Ion Ratio Lower Upper
84 100
49 93.1 88.3 132.5
51 29.4 28.2 42.2
86 65.4 50.6 76.0





#25

2-Butanone

Concen: 2.146 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

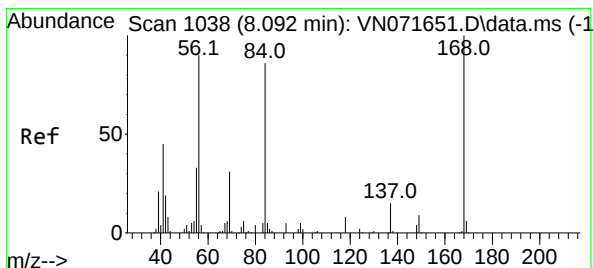
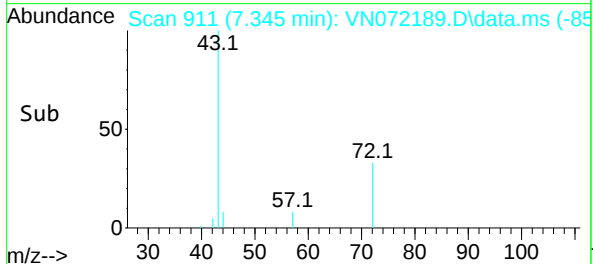
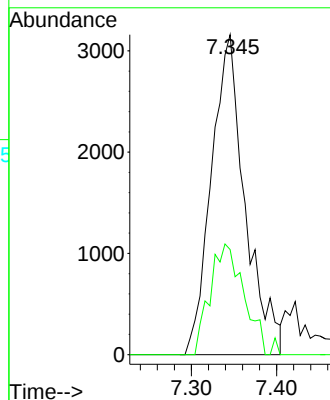
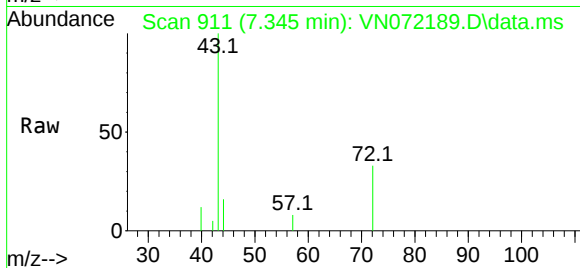
TP-11

Tgt Ion: 43 Resp: 8699

Ion Ratio Lower Upper

43 100

72 32.8 23.7 35.5



#31

Cyclohexane

Concen: 0.915 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

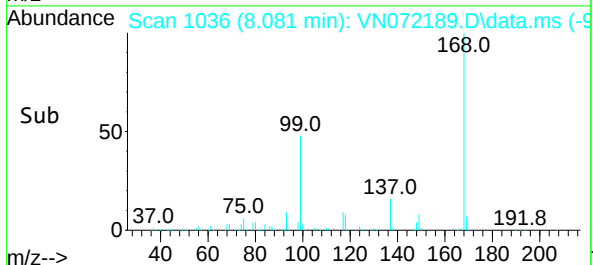
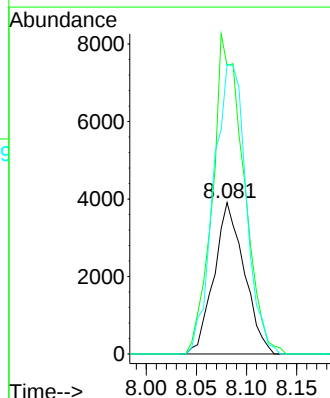
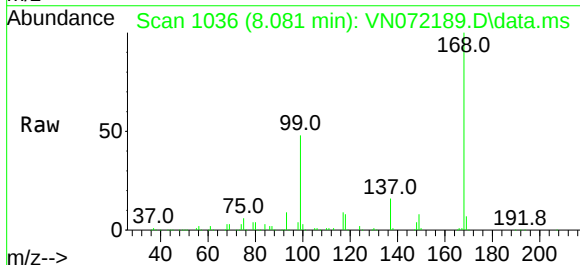
Tgt Ion: 56 Resp: 8188

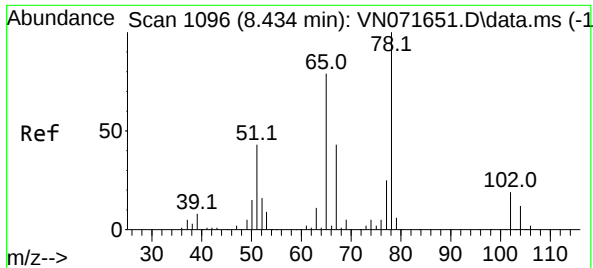
Ion Ratio Lower Upper

56 100

69 190.6 27.8 41.8#

84 191.4 76.9 115.3#

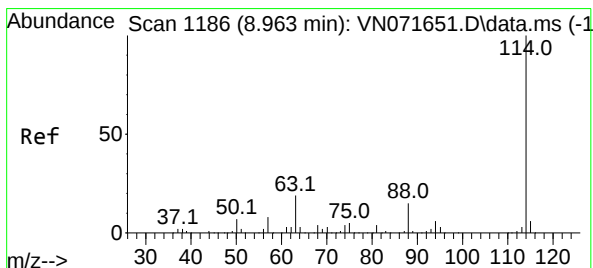
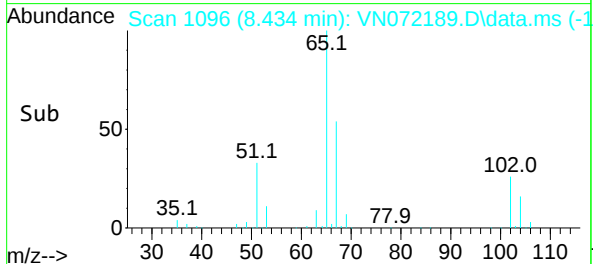
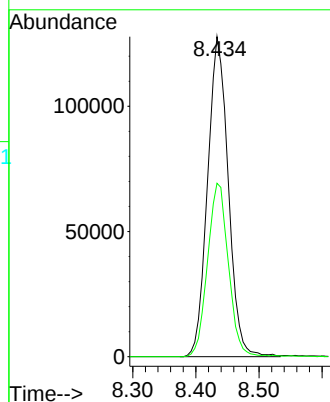
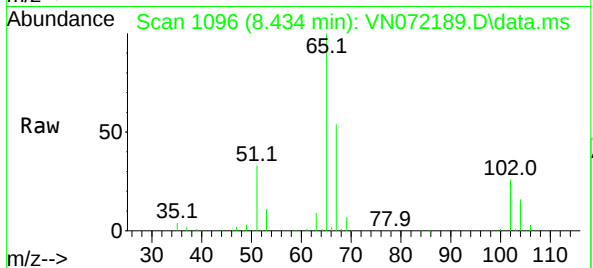




#33
 1,2-Dichloroethane-d4
 Concen: 44.195 ug/l
 RT: 8.434 min Scan# 1096
 Delta R.T. -0.000 min
 Lab File: VN072189.D
 Acq: 25 Apr 2022 19:04

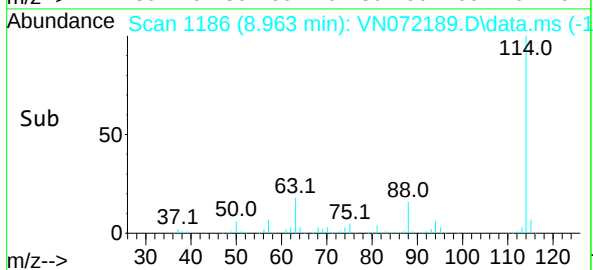
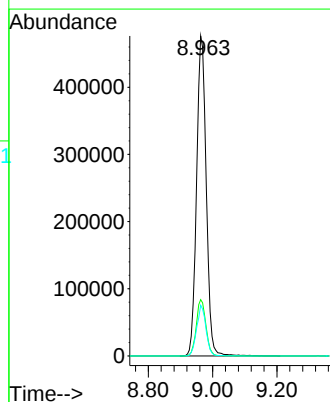
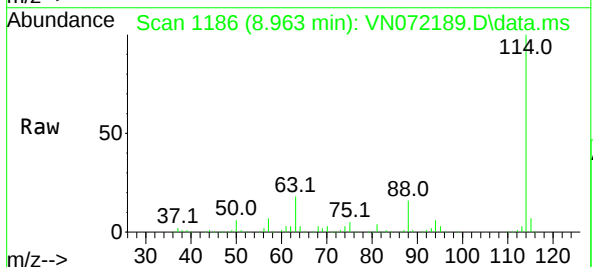
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 ClientSampleId :
 TP-11

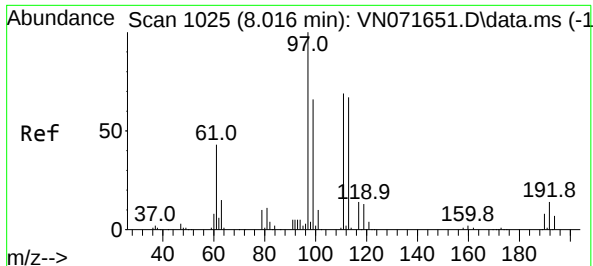
Tgt Ion: 65 Resp: 290843
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN072189.D
 Acq: 25 Apr 2022 19:04

Tgt Ion: 114 Resp: 991938
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 40.0
 88 15.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.547 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP-11

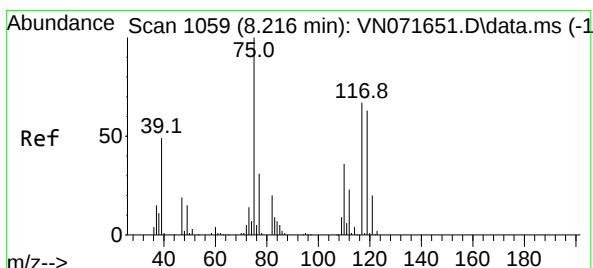
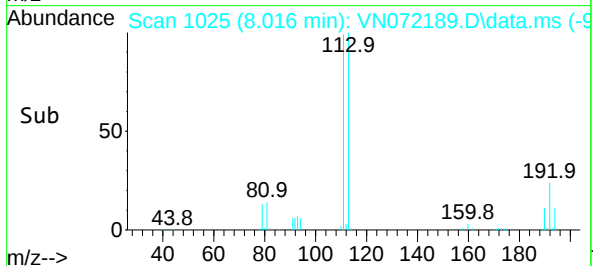
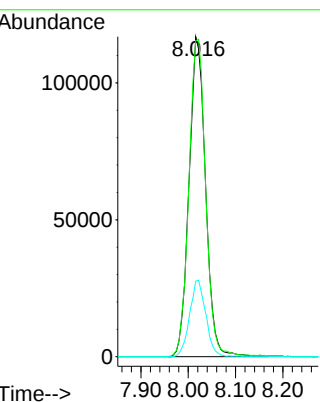
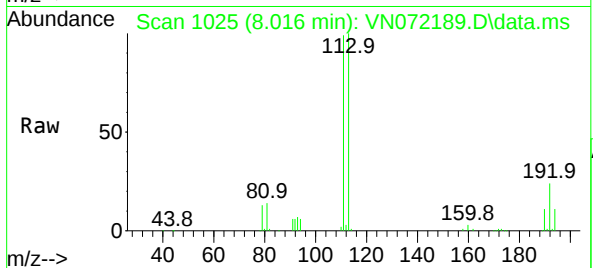
Tgt Ion:113 Resp: 283368

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

192 23.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.262 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

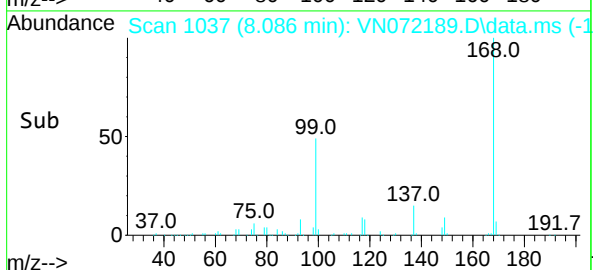
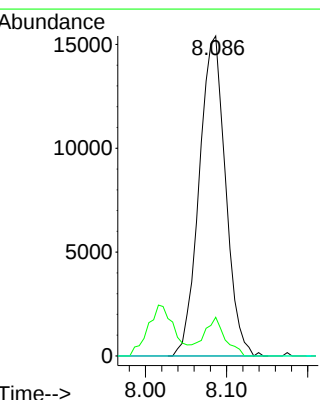
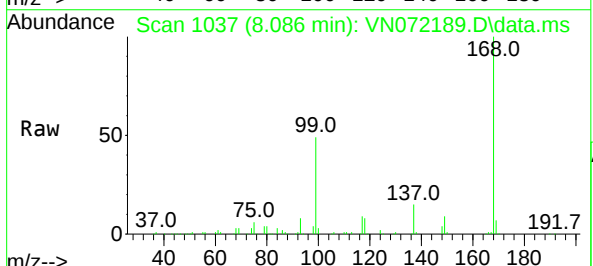
Tgt Ion: 75 Resp: 34744

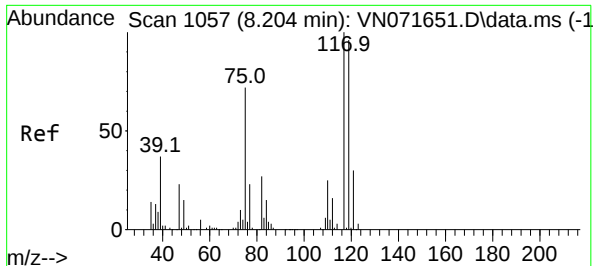
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 25.1 37.7#

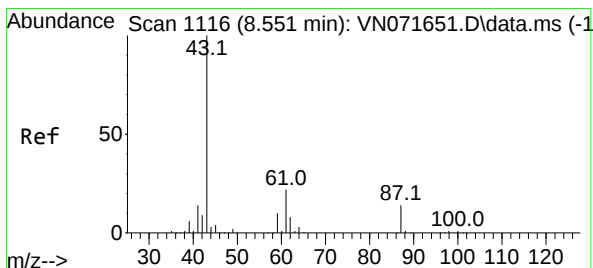
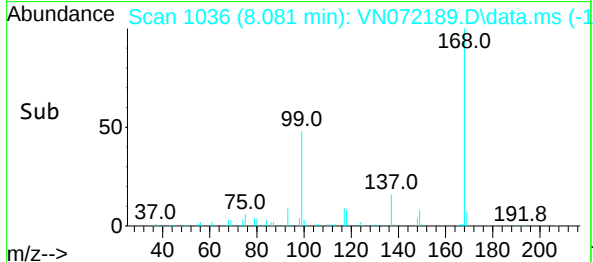
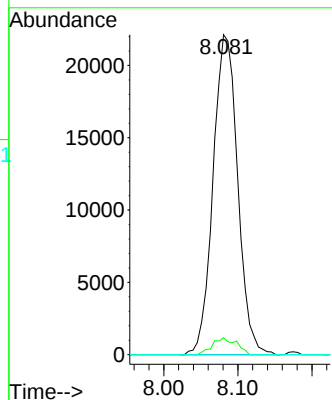
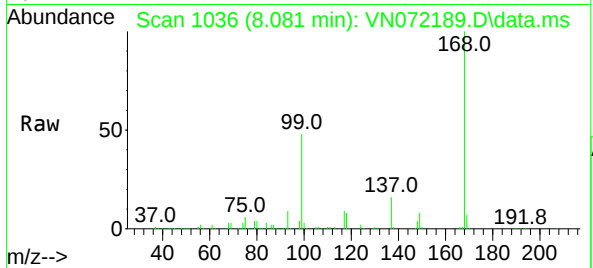




#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 8.081 min Scan# 11036
Delta R.T. -0.123 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

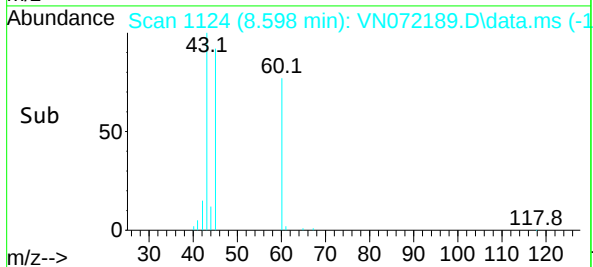
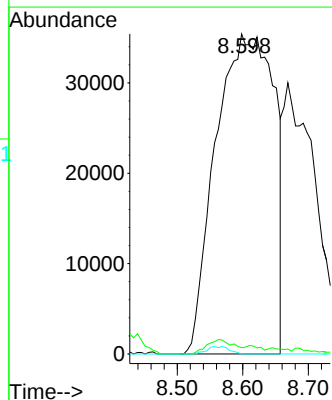
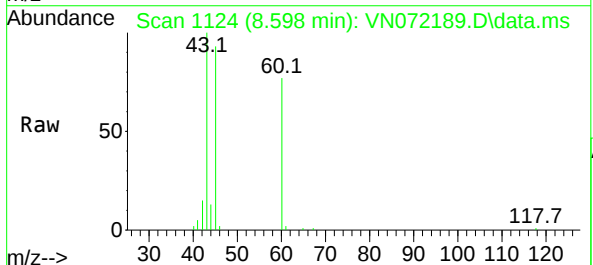
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MSVOA_N
ClientSampleId :
TP-11

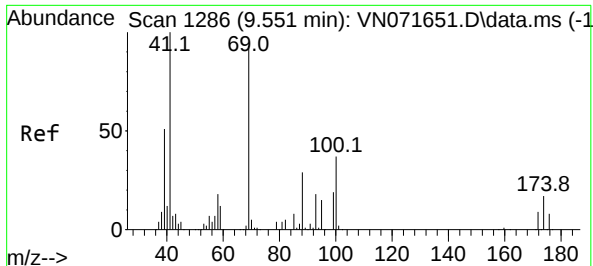
Tgt Ion: 117 Resp: 51036
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 14.713 ug/l
RT: 8.598 min Scan# 1124
Delta R.T. 0.047 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 43 Resp: 218332
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 1.646 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP-11

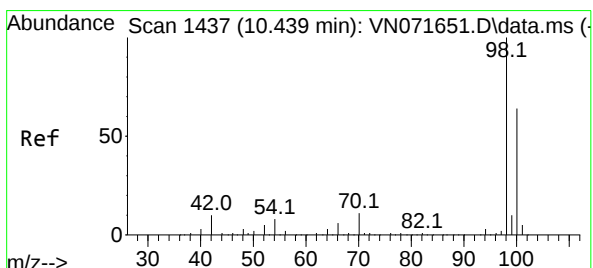
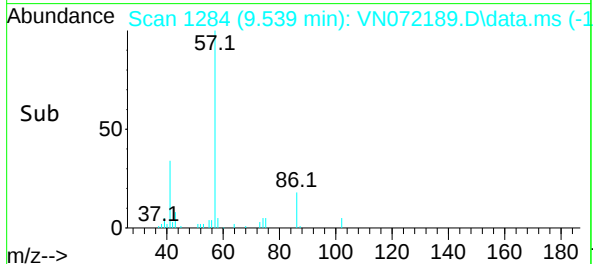
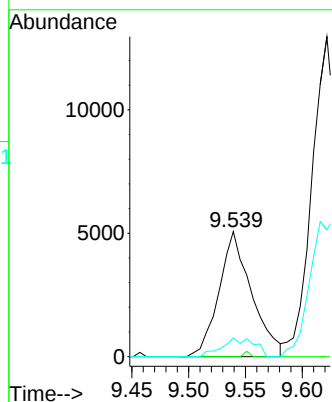
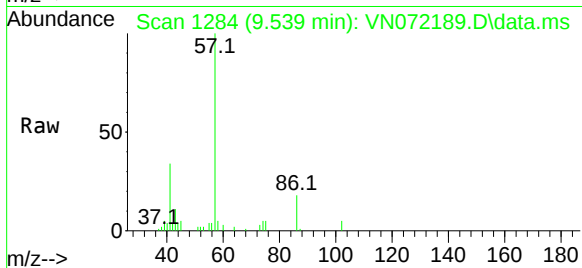
Tgt Ion: 41 Resp: 10132

Ion Ratio Lower Upper

41 100

69 0.7 74.7 112.1#

39 15.0 45.6 68.4#



#50

Toluene-d8

Concen: 52.084 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072189.D

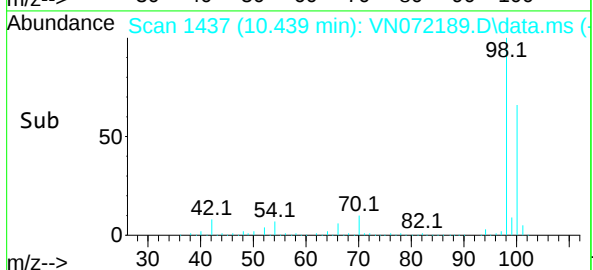
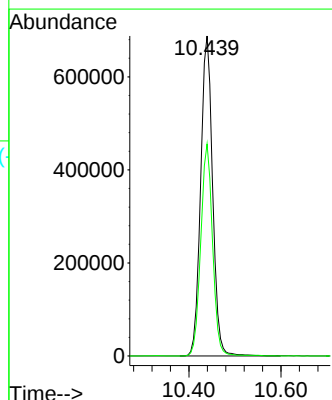
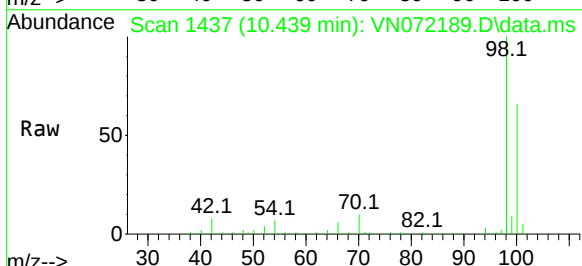
Acq: 25 Apr 2022 19:04

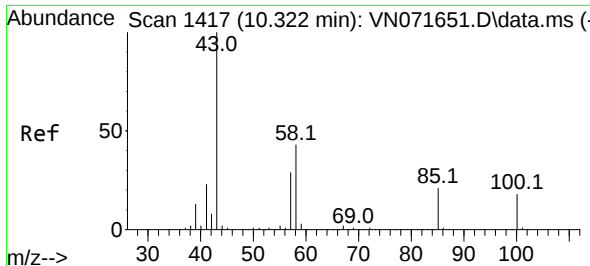
Tgt Ion: 98 Resp: 1243652

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.089 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.005 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

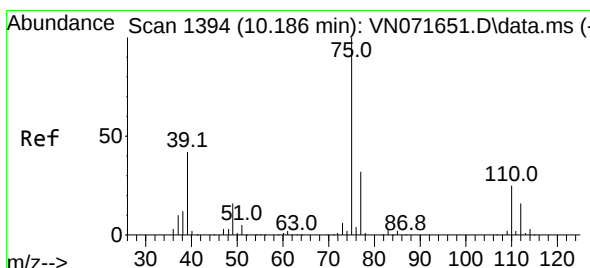
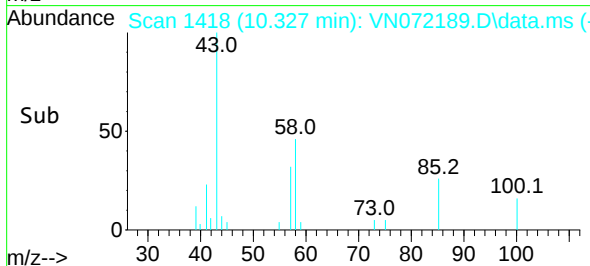
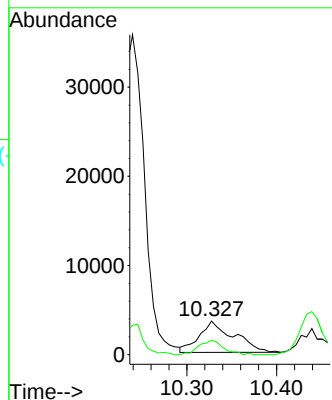
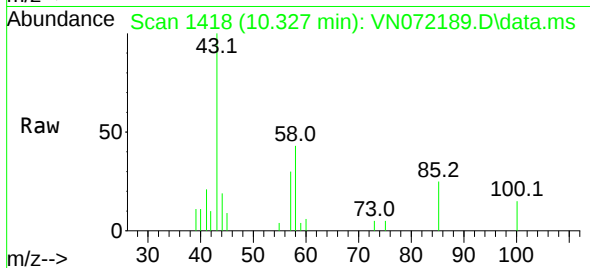
TP-11

Tgt Ion: 43 Resp: 9295

Ion Ratio Lower Upper

43 100

58 33.2 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 4.185 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

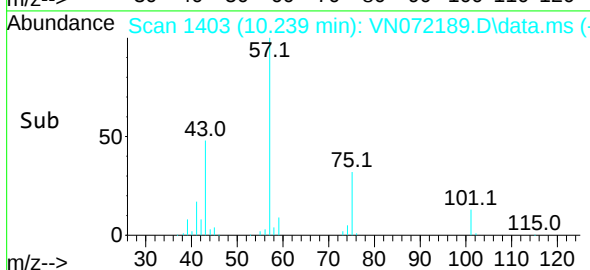
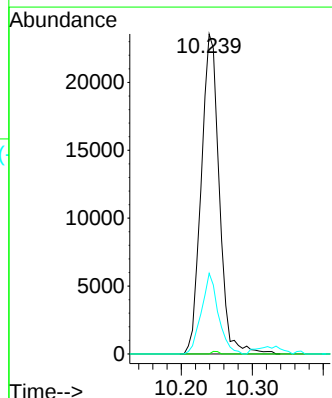
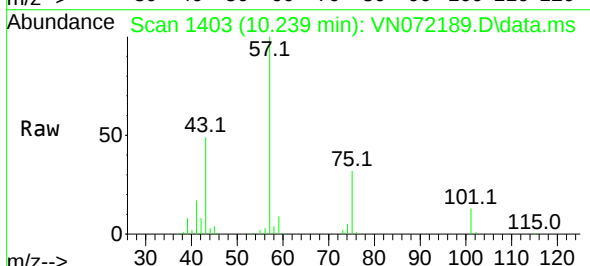
Tgt Ion: 75 Resp: 41670

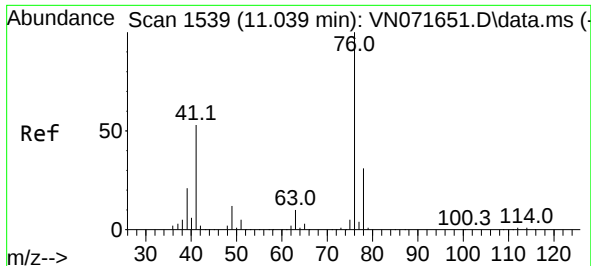
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 25.2 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.403 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

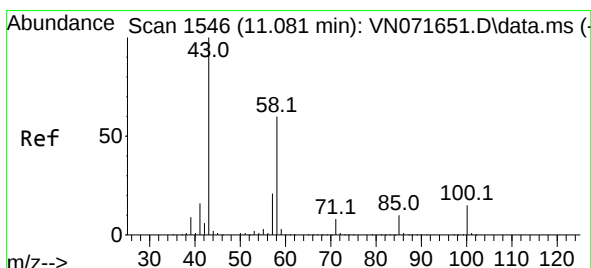
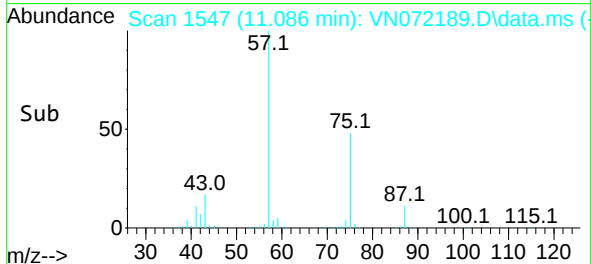
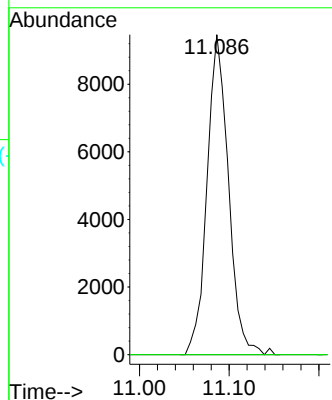
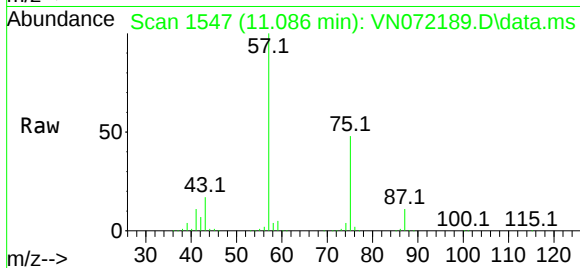
TP-11

Tgt Ion: 76 Resp: 15713

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 29.181 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN072189.D

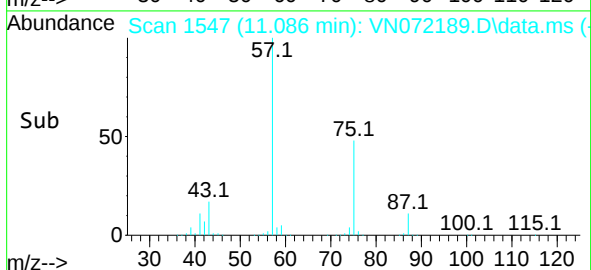
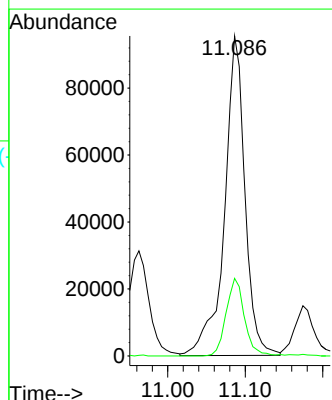
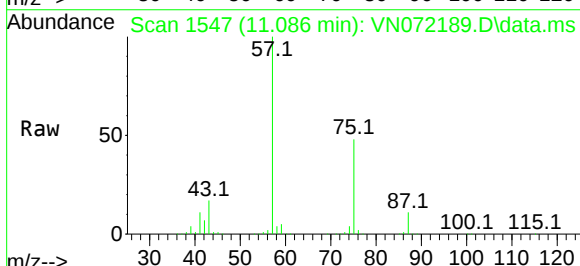
Acq: 25 Apr 2022 19:04

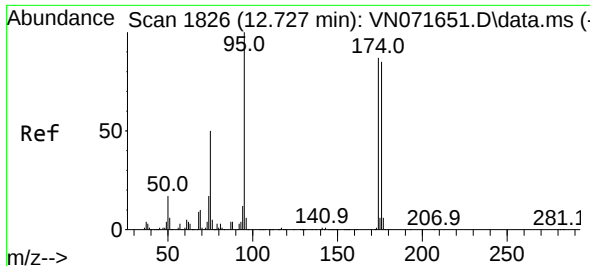
Tgt Ion: 43 Resp: 175285

Ion Ratio Lower Upper

43 100

58 21.7 29.7 89.1#

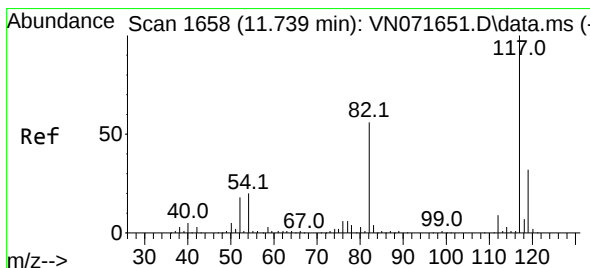
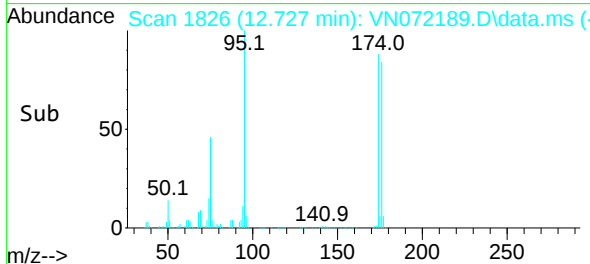
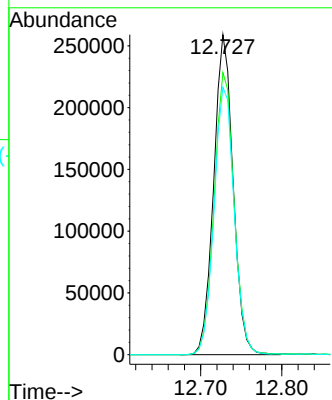
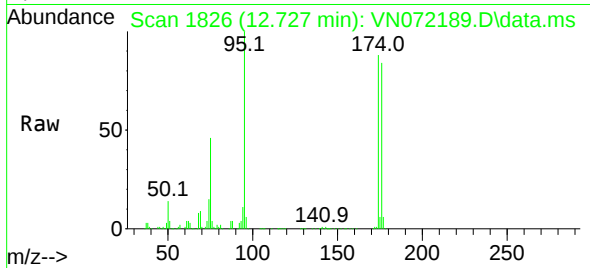




#62
4-Bromofluorobenzene
Concen: 55.722 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

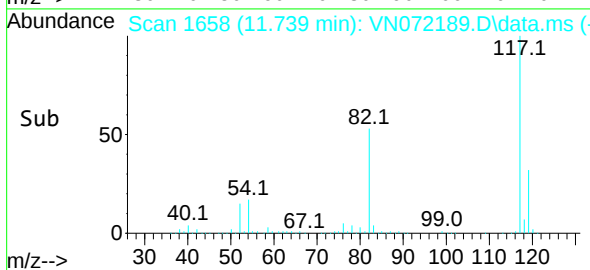
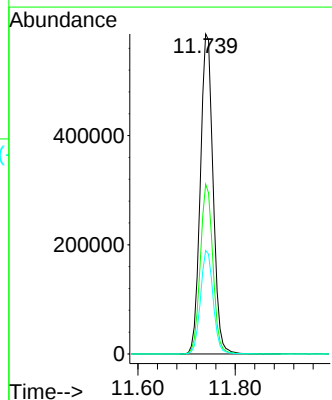
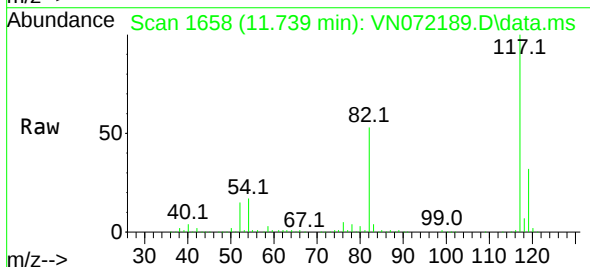
Instrument :
MSVOA_N
ClientSampleId :
TP-11

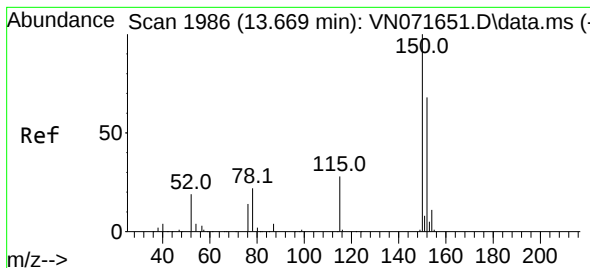
Tgt Ion: 95 Resp: 430309
Ion Ratio Lower Upper
95 100
174 90.9 0.0 167.6
176 87.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 117 Resp: 1065406
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 32.3 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: VN072189.D

Acq: 25 Apr 2022 19:04

Instrument :

MSVOA_N

ClientSampleId :

TP-11

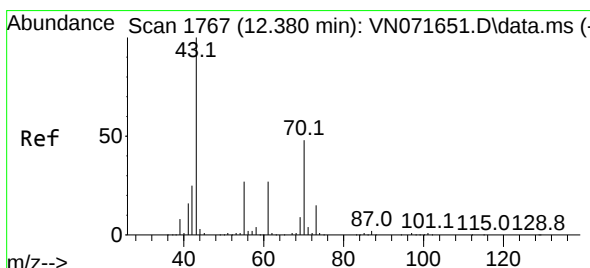
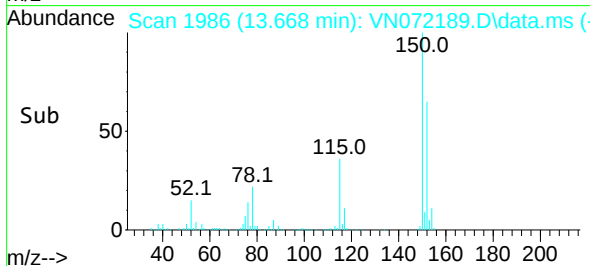
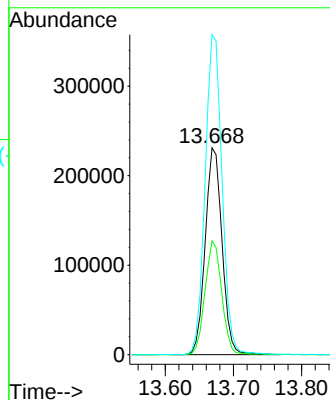
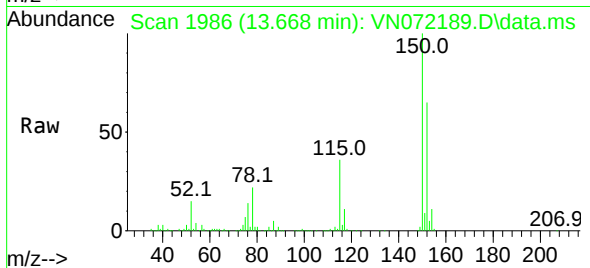
Tgt Ion:152 Resp: 397571

Ion Ratio Lower Upper

152 100

115 54.7 28.9 86.7

150 156.0 0.0 356.2



#74

N-ethyl acetate

Concen: 0.225 ug/l

RT: 12.351 min Scan# 1762

Delta R.T. -0.029 min

Lab File: VN072189.D

Acq: 25 Apr 2022 19:04

Tgt Ion: 43 Resp: 2163

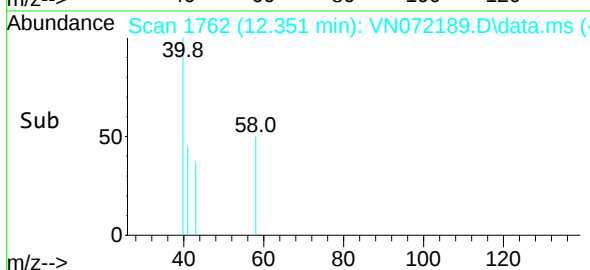
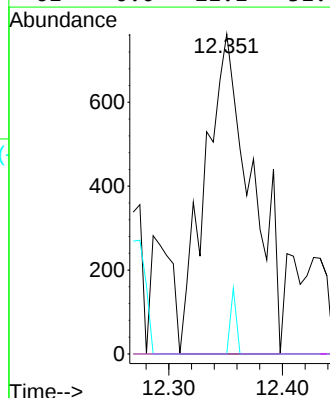
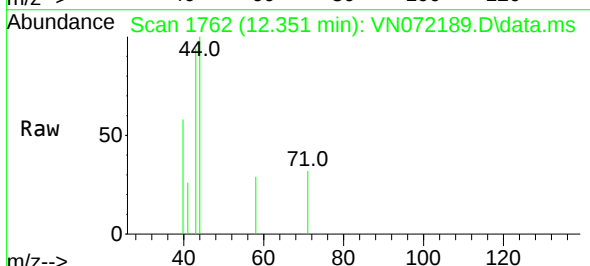
Ion Ratio Lower Upper

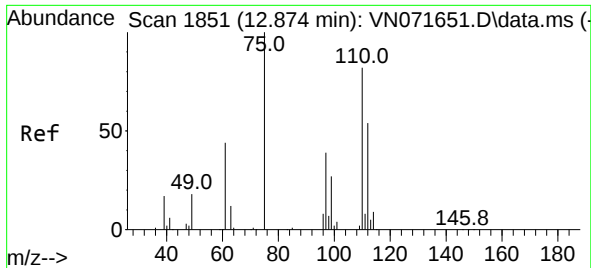
43 100

70 0.0 39.0 58.4#

55 2.5 21.1 31.7#

61 0.0 21.1 31.7#

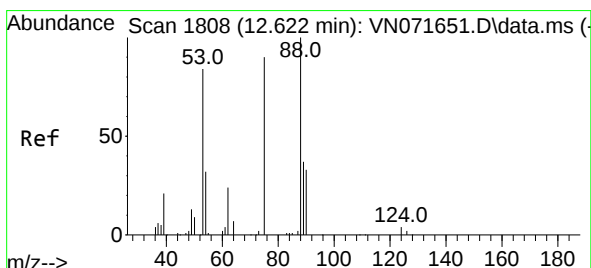
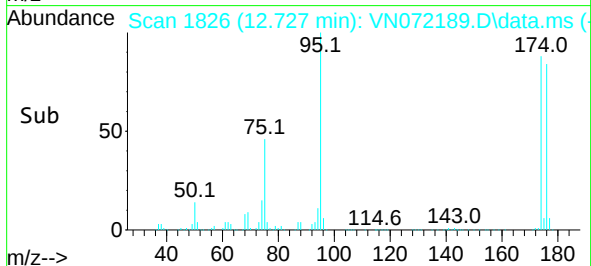
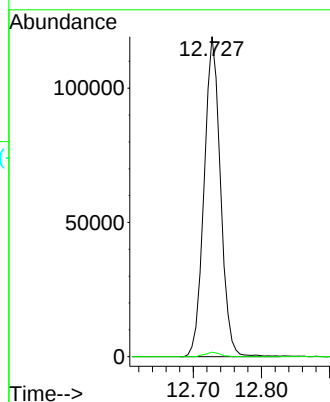
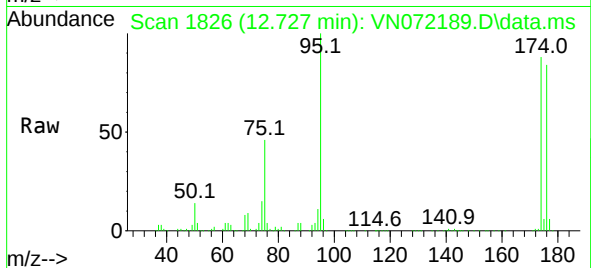




#76
1,2,3-Trichloropropane
Concen: 21.641 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

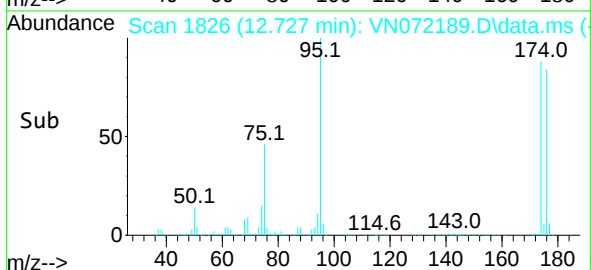
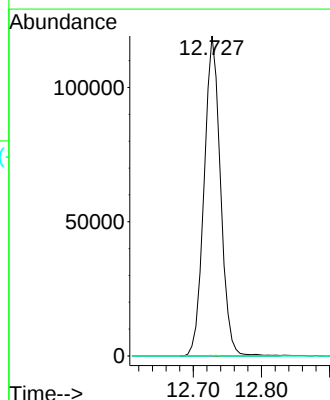
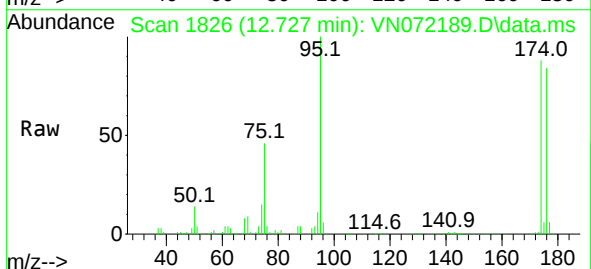
Instrument :
MSVOA_N
ClientSampleId :
TP-11

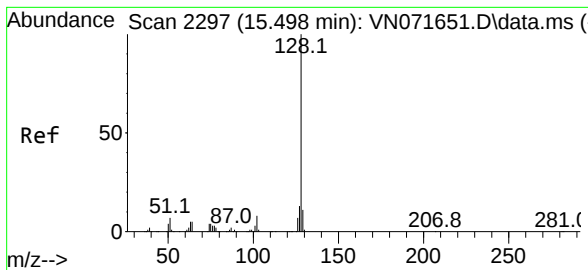
Tgt Ion: 75 Resp: 199315
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.065 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072189.D
Acq: 25 Apr 2022 19:04

Tgt Ion: 75 Resp: 199315
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 3.838 ug/l
 RT: 15.509 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN072189.D
 Acq: 25 Apr 2022 19:04

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Tgt Ion:	128	Resp:	695
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

