

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051922\
 Data File : VN072563.D
 Acq On : 19 May 2022 18:28
 Operator : JC\MD
 Sample : N2965-05 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31600

Quant Time: May 20 06:55:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

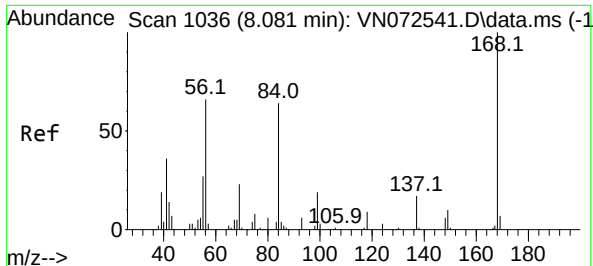
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	285629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	424487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	371598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	134889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	245121	55.234	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.460%			
35) Dibromofluoromethane	8.022	113	163055	56.929	ug/l	0.01
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.860%			
50) Toluene-d8	10.439	98	586790	54.125	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.240%			
62) 4-Bromofluorobenzene	12.727	95	189914	46.116	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.240%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.816	94	844	0.373	ug/l	97
6) Chloroethane	2.922	64	115	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	4267	10.511	ug/l #	72
16) Acetone	4.293	43	757	0.563	ug/l #	42
18) Methyl Acetate	4.851	43	220	0.338	ug/l #	48
25) 2-Butanone	7.345	43	628	0.297	ug/l #	45
31) Cyclohexane	8.081	56	6533	1.324	ug/l #	30
36) 1,1-Dichloropropene	8.081	75	24278	6.226	ug/l #	50
38) Carbon Tetrachloride	8.081	117	32976	6.833	ug/l #	17
51) 4-Methyl-2-Pentanone	10.439	43	2774	0.610	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	110701	27.167	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	110701	113.257	ug/l #	11

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

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Response via : Initial Calibration

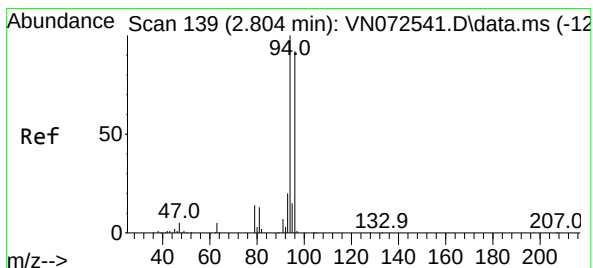
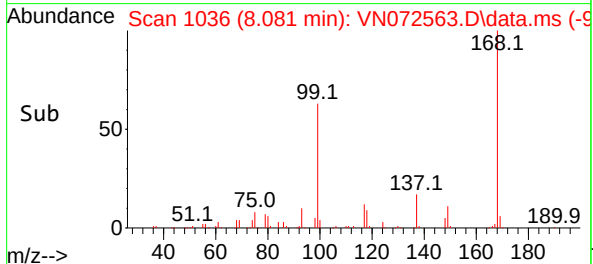
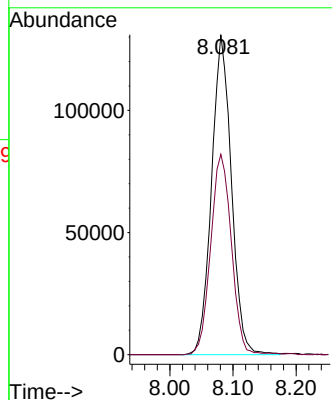
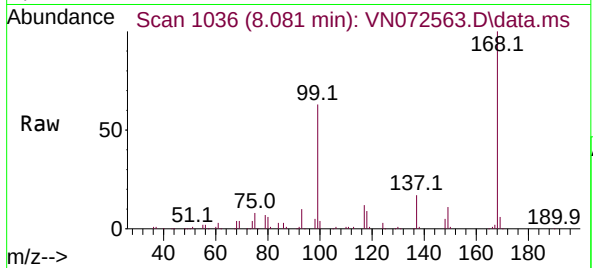




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

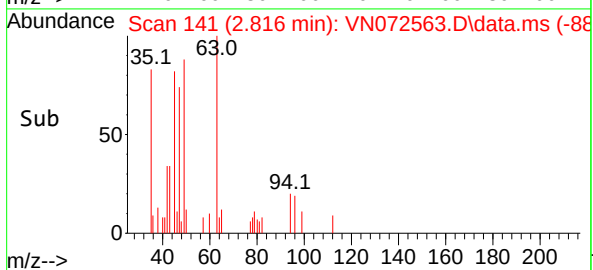
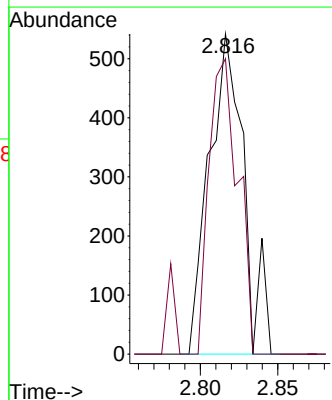
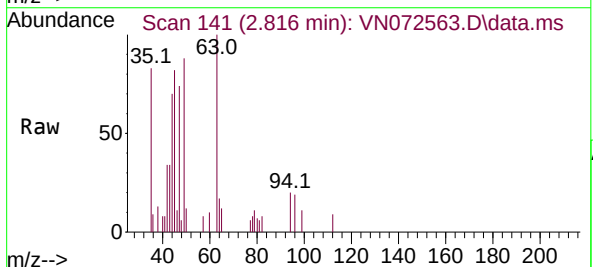
Instrument :
MSVOA_N
ClientSampleId :
31600

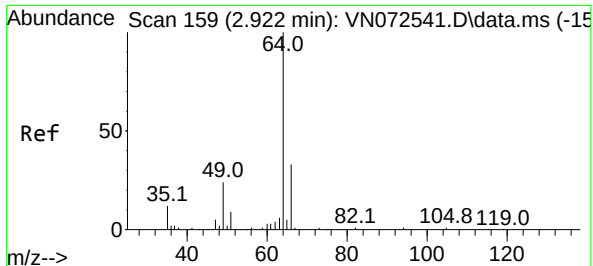
Tgt Ion:168 Resp: 285629
Ion Ratio Lower Upper
168 100
99 62.6 42.3 63.5



#5
Bromomethane
Concen: 0.373 ug/l
RT: 2.816 min Scan# 141
Delta R.T. 0.012 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion: 94 Resp: 844
Ion Ratio Lower Upper
94 100
96 92.3 76.0 114.0

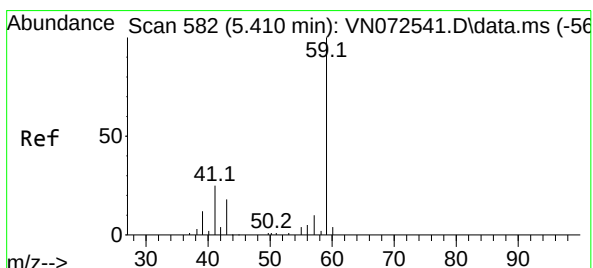
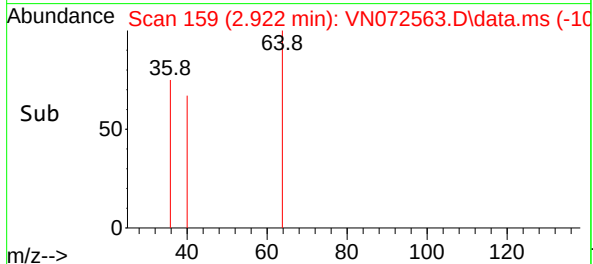
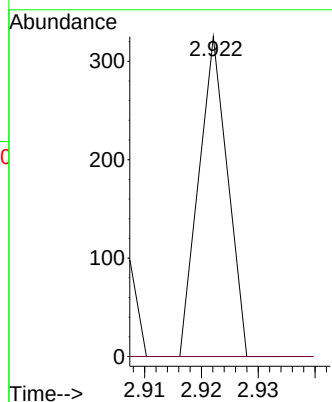
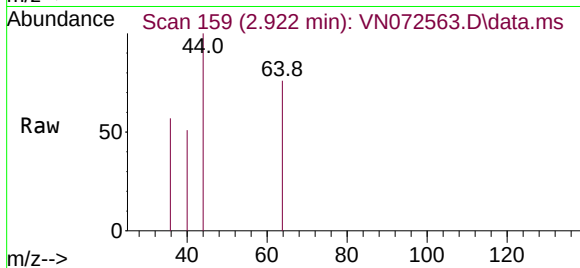




#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 115
Delta R.T. 0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

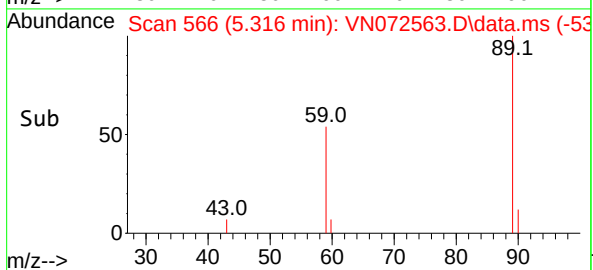
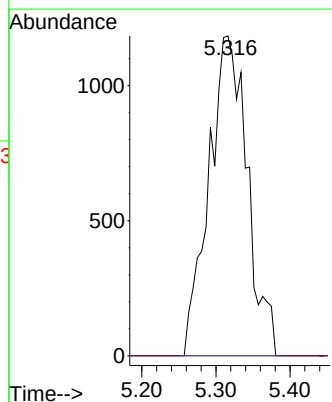
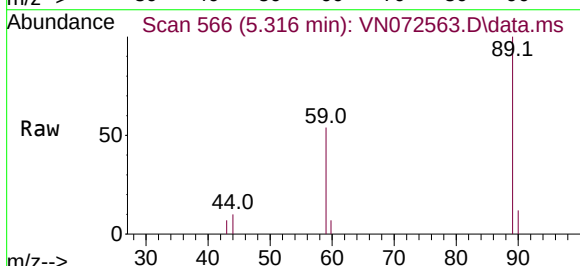
Instrument :
MSVOA_N
ClientSampleId :
31600

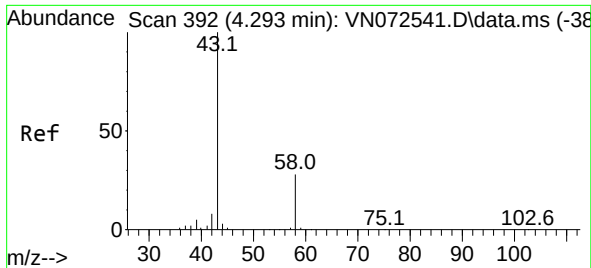
Tgt Ion: 64 Resp: 115
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 10.511 ug/l
RT: 5.316 min Scan# 566
Delta R.T. -0.094 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion: 59 Resp: 4267
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.563 ug/l

RT: 4.293 min Scan# 392

Delta R.T. -0.000 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

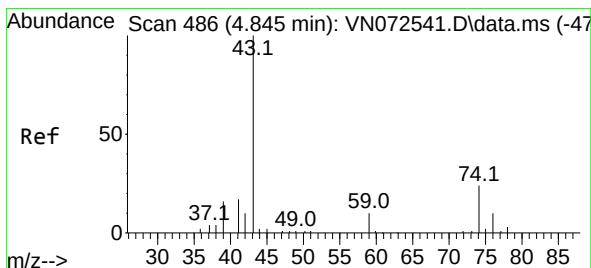
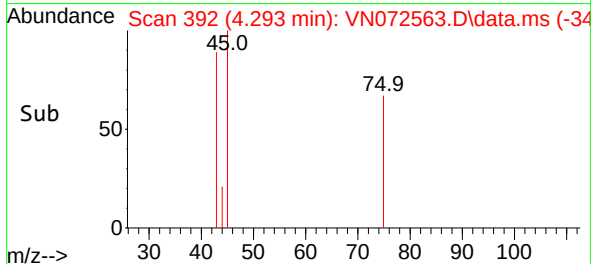
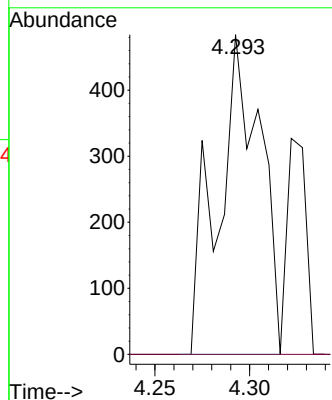
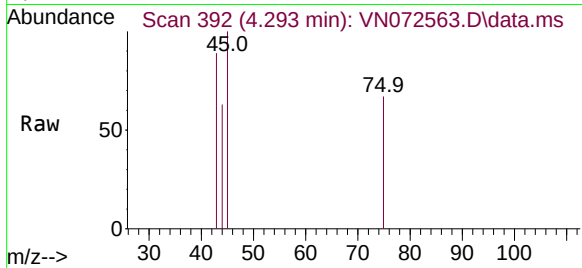
31600

Tgt Ion: 43 Resp: 757

Ion Ratio Lower Upper

43 100

58 0.0 26.0 39.0#



#18

Methyl Acetate

Concen: 0.338 ug/l

RT: 4.851 min Scan# 487

Delta R.T. 0.006 min

Lab File: VN072563.D

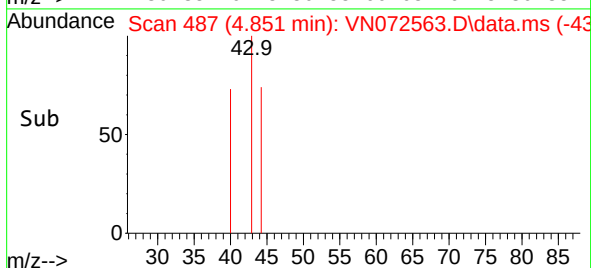
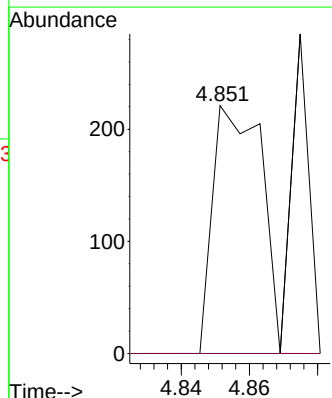
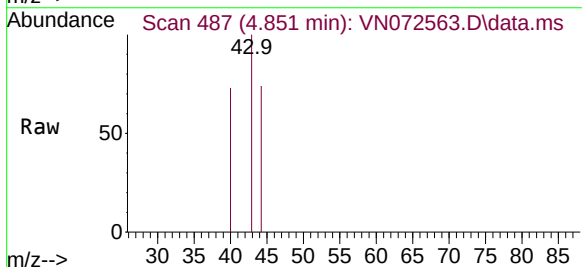
Acq: 19 May 2022 18:28

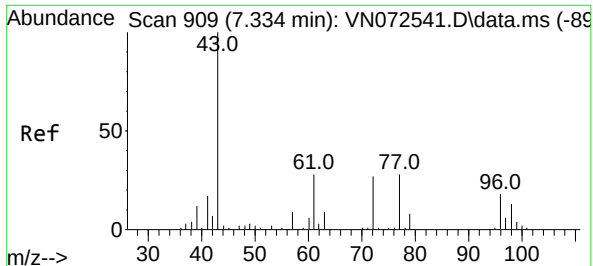
Tgt Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#





#25

2-Butanone

Concen: 0.297 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.011 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

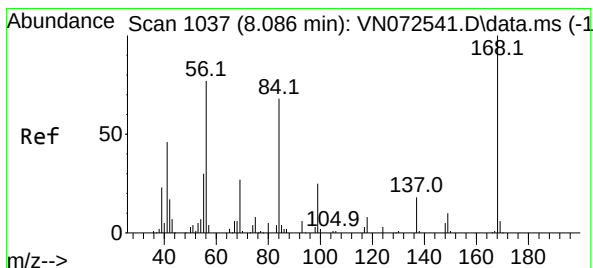
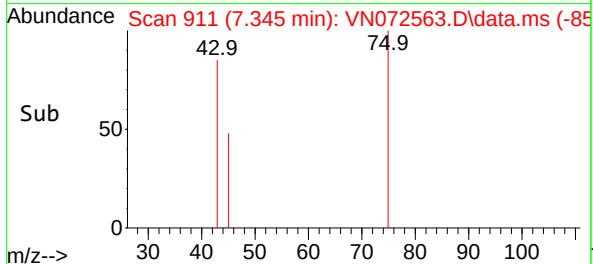
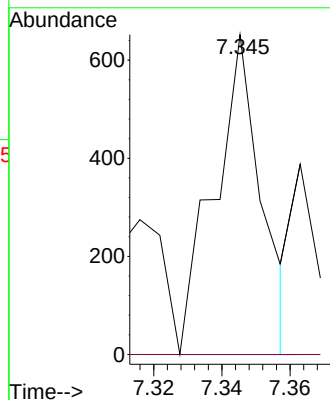
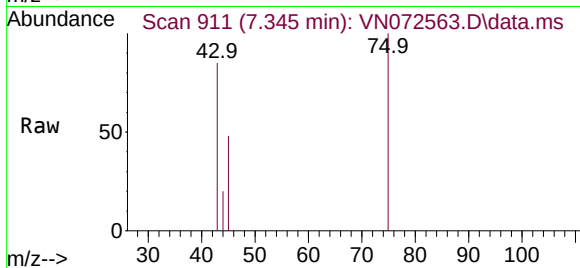
31600

Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.324 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.005 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

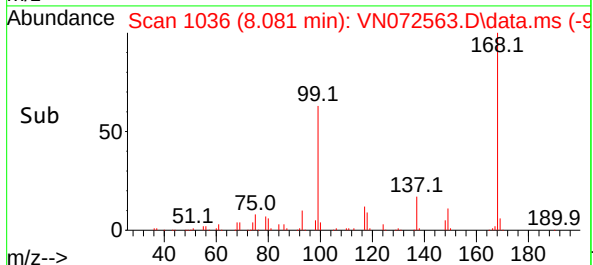
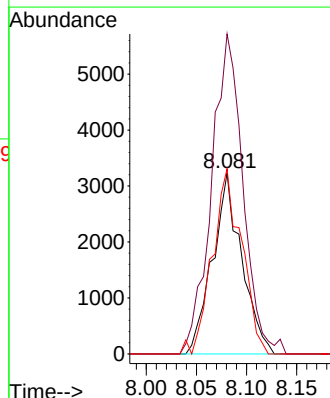
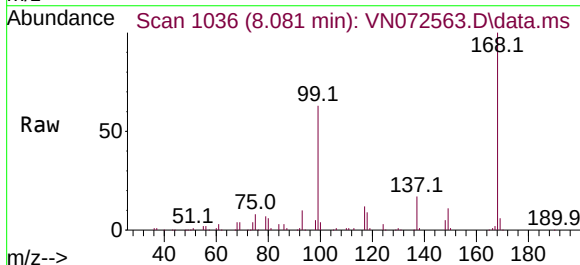
Tgt Ion: 56 Resp: 6533

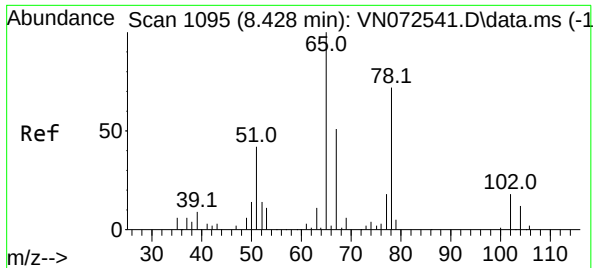
Ion Ratio Lower Upper

56 100

69 176.8 27.8 41.8#

84 102.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 55.234 ug/l

RT: 8.433 min Scan# 1109

Delta R.T. 0.005 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

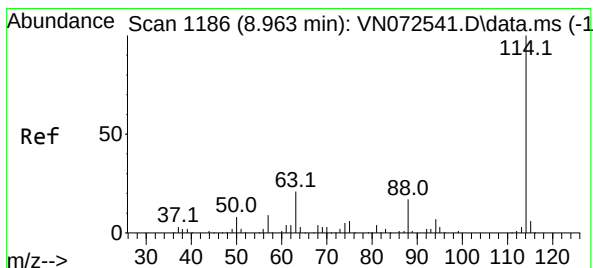
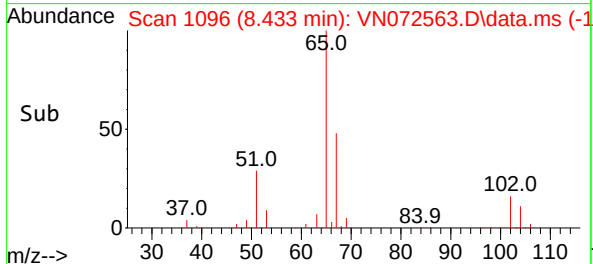
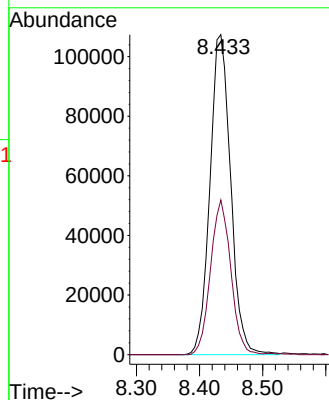
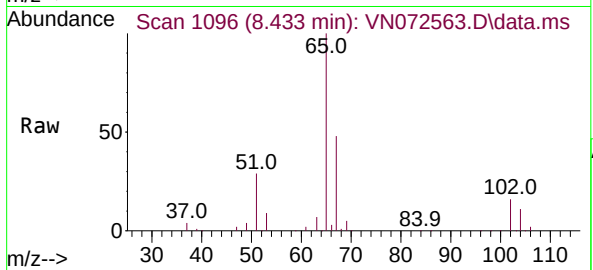
31600

Tgt Ion: 65 Resp: 245121

Ion Ratio Lower Upper

65 100

67 47.2 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: VN072563.D

Acq: 19 May 2022 18:28

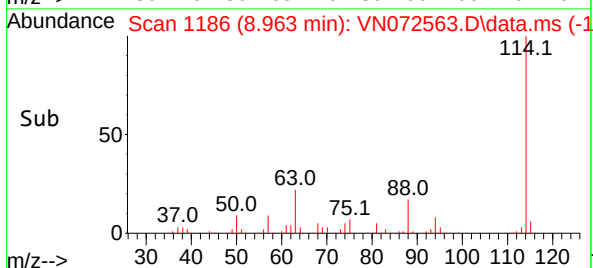
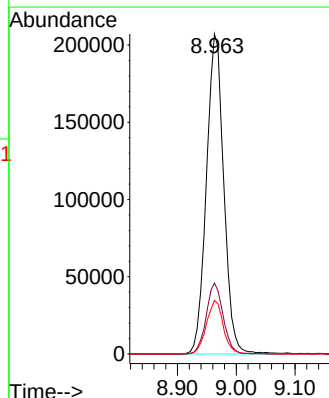
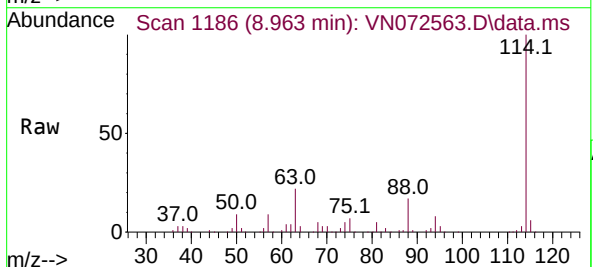
Tgt Ion: 114 Resp: 424487

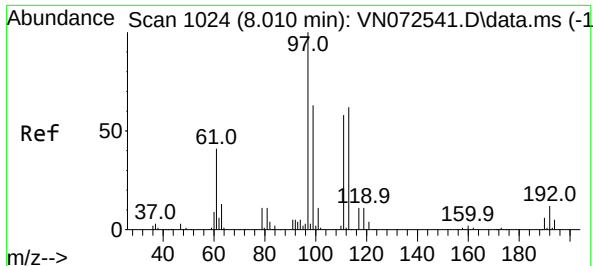
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.929 ug/l

RT: 8.022 min Scan# 1036

Delta R.T. 0.012 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

Instrument :

MSVOA_N

ClientSampleId :

31600

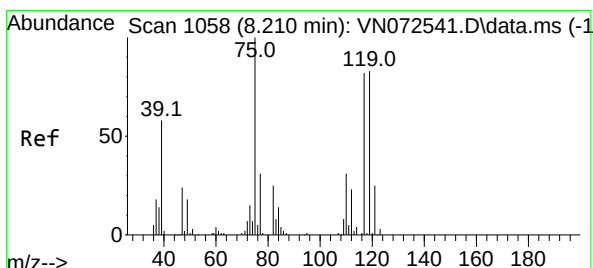
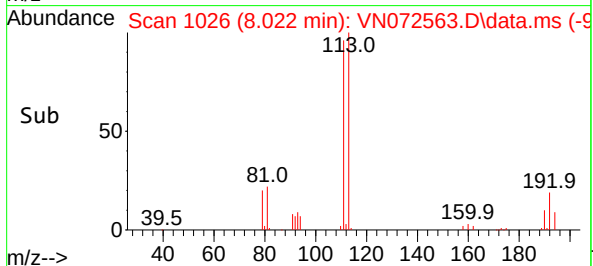
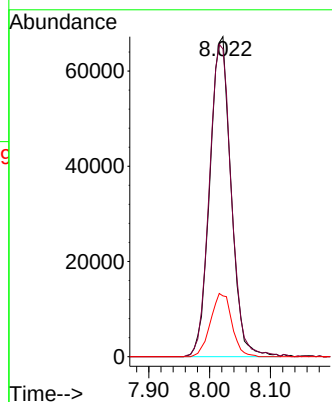
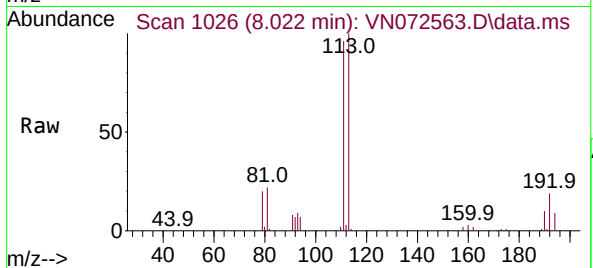
Tgt Ion:113 Resp: 163055

Ion Ratio Lower Upper

113 100

111 100.8 81.4 122.0

192 19.8 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.226 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.129 min

Lab File: VN072563.D

Acq: 19 May 2022 18:28

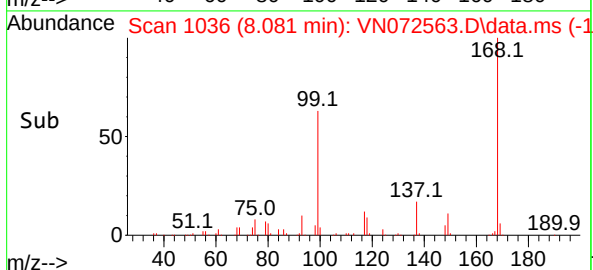
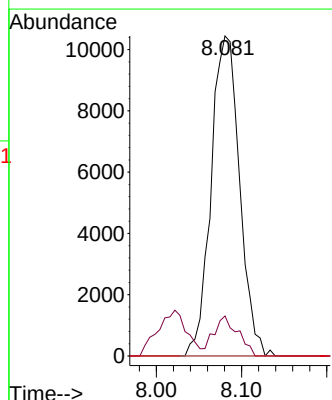
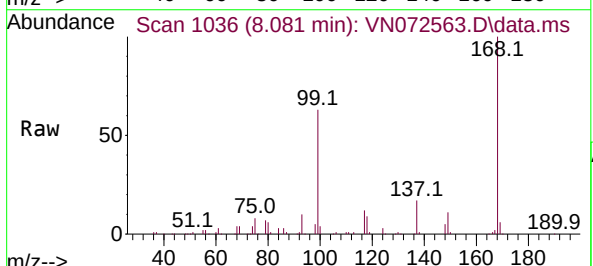
Tgt Ion: 75 Resp: 24278

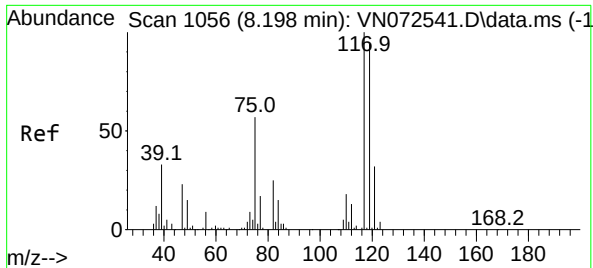
Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 25.1 37.7#

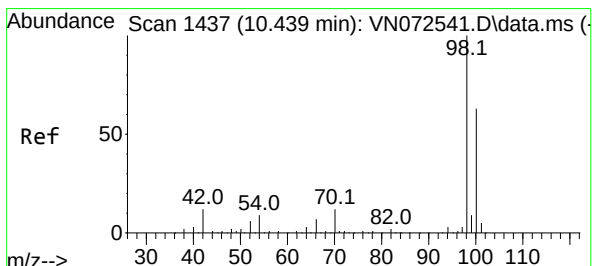
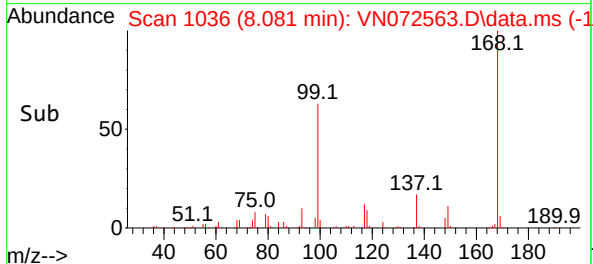
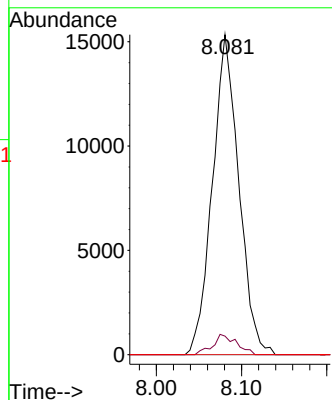
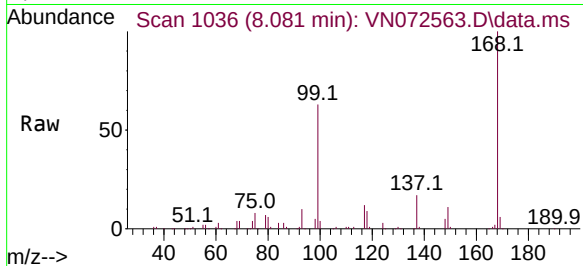




#38
Carbon Tetrachloride
Concen: 6.833 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

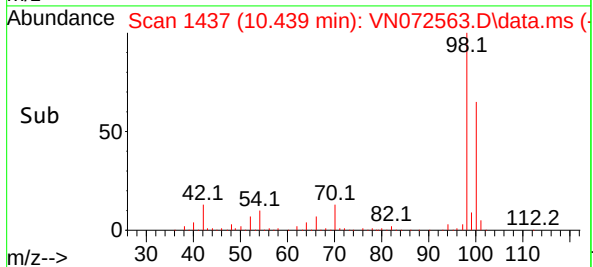
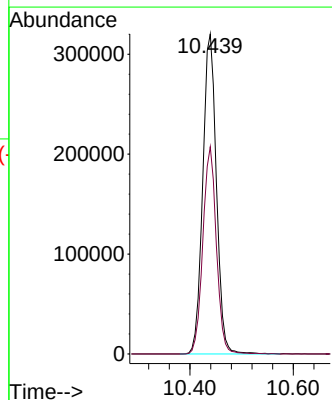
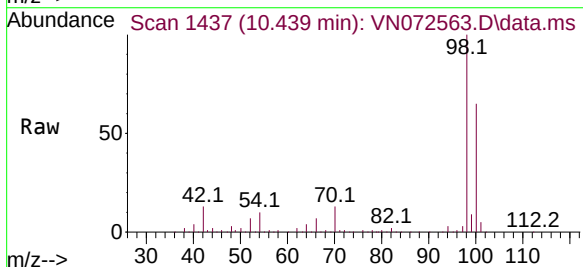
Instrument :
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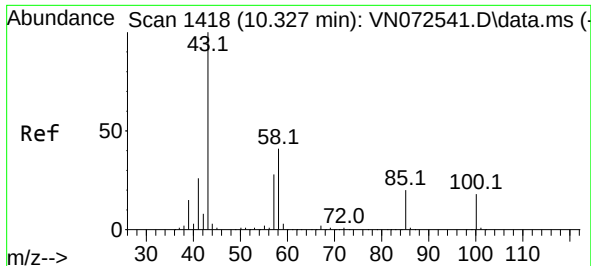
Tgt Ion:117 Resp: 32976
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 54.125 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion: 98 Resp: 586790
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8

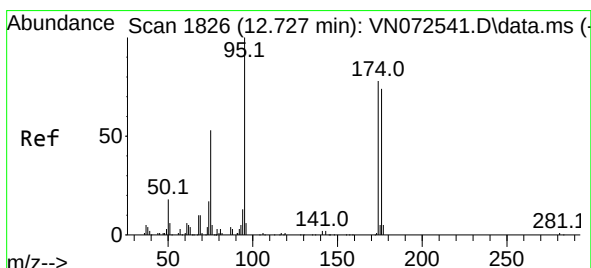
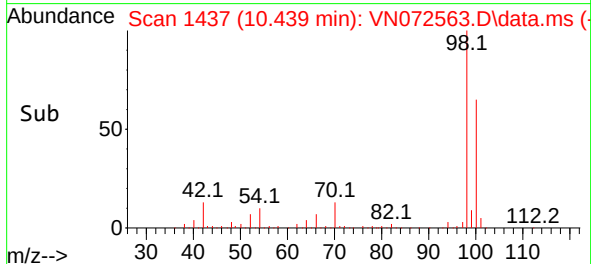
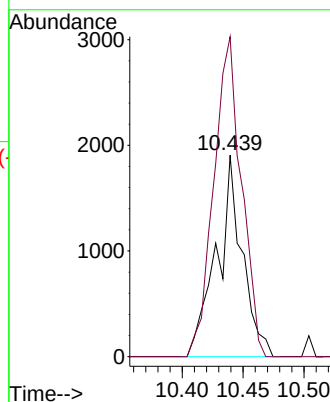
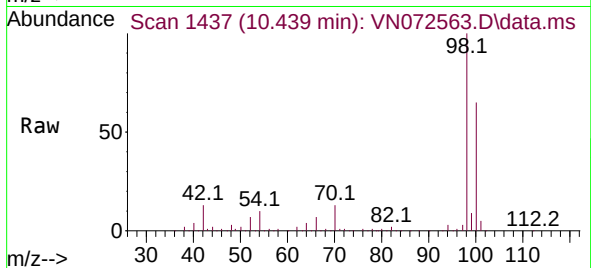




#51
4-Methyl-2-Pentanone
Concen: 0.610 ug/l
RT: 10.439 min Scan# 1418
Delta R.T. 0.112 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

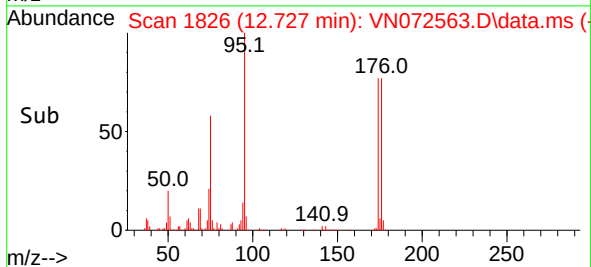
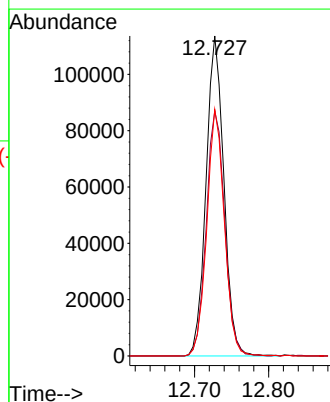
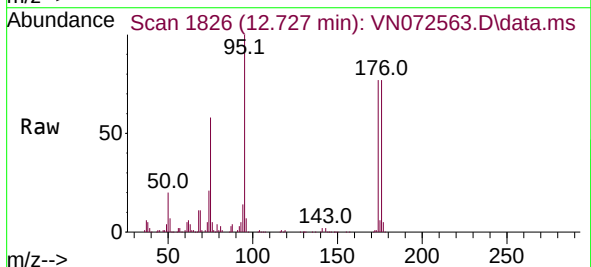
Instrument :
MSVOA_N
ClientSampleId :
31600

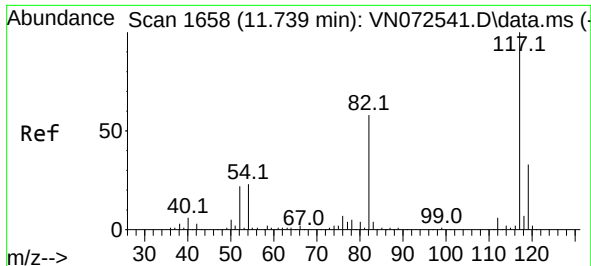
Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 173.0 34.1 51.1#



#62
4-Bromofluorobenzene
Concen: 46.116 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion: 95 Resp: 189914
Ion Ratio Lower Upper
95 100
174 79.4 0.0 167.6
176 76.1 0.0 163.4

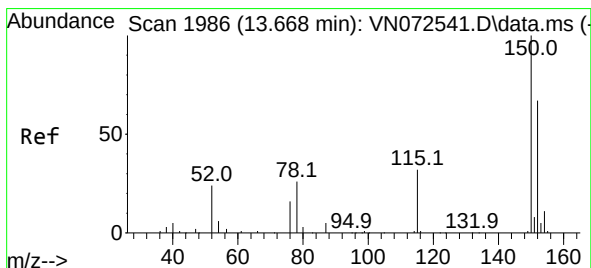
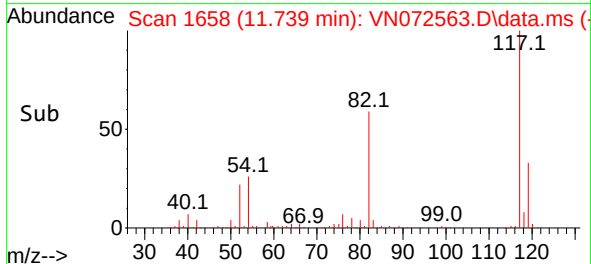
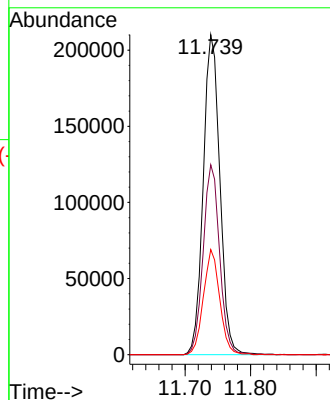
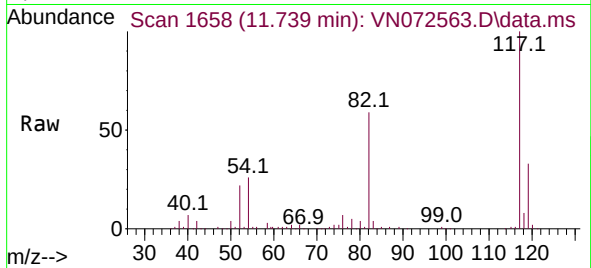




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

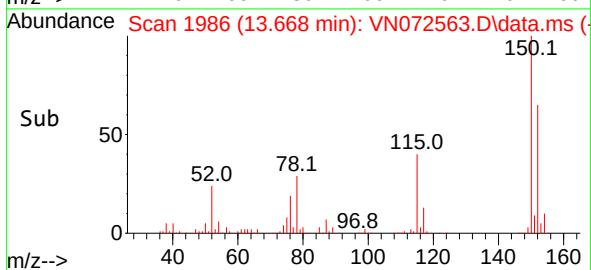
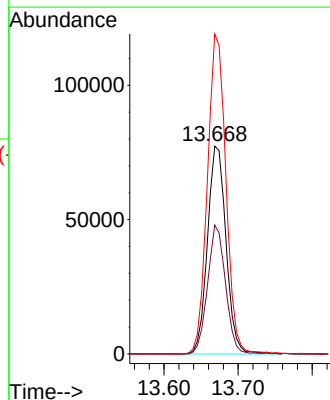
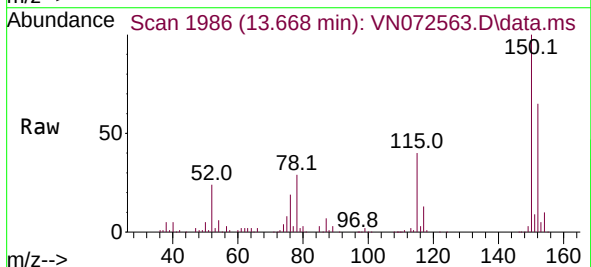
Instrument :
MSVOA_N
ClientSampleId :
31600

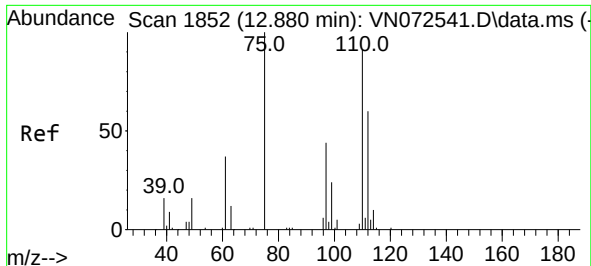
Tgt Ion:117 Resp: 371598
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion:152 Resp: 134889
Ion Ratio Lower Upper
152 100
115 60.0 28.9 86.7
150 153.5 0.0 356.2

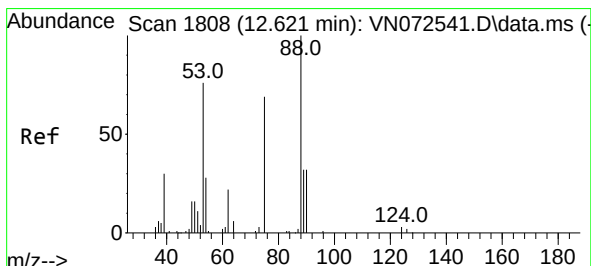
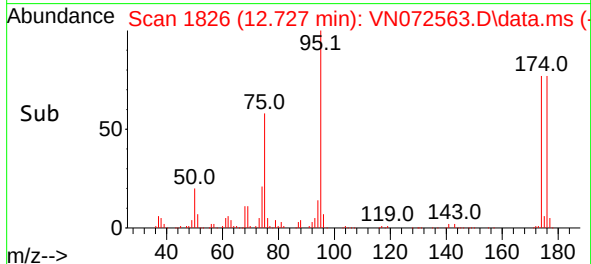
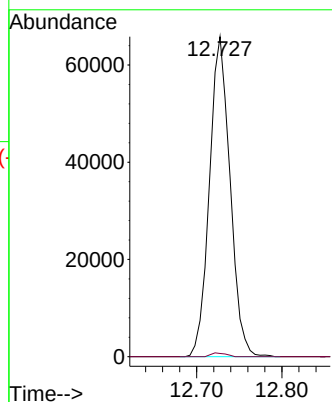
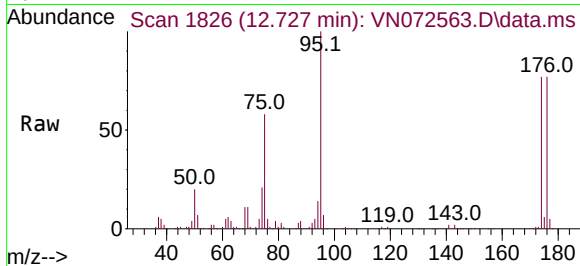




#76
1,2,3-Trichloropropane
Concen: 27.167 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Instrument :
MSVOA_N
ClientSampleId :
31600

Tgt Ion: 75 Resp: 110701
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.257 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072563.D
Acq: 19 May 2022 18:28

Tgt Ion: 75 Resp: 110701
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.1 37.2 55.8#

