

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062019.D
 Acq On : 23 Jun 2020 00:20
 Operator : JC/MD
 Sample : L3033-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-TB10-200615

Quant Time: Jun 23 05:23:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	144926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	101691	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
35) Dibromofluoromethane	7.55	113	86247	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
50) Toluene-d8	10.06	98	337669	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.38	95	105767	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	

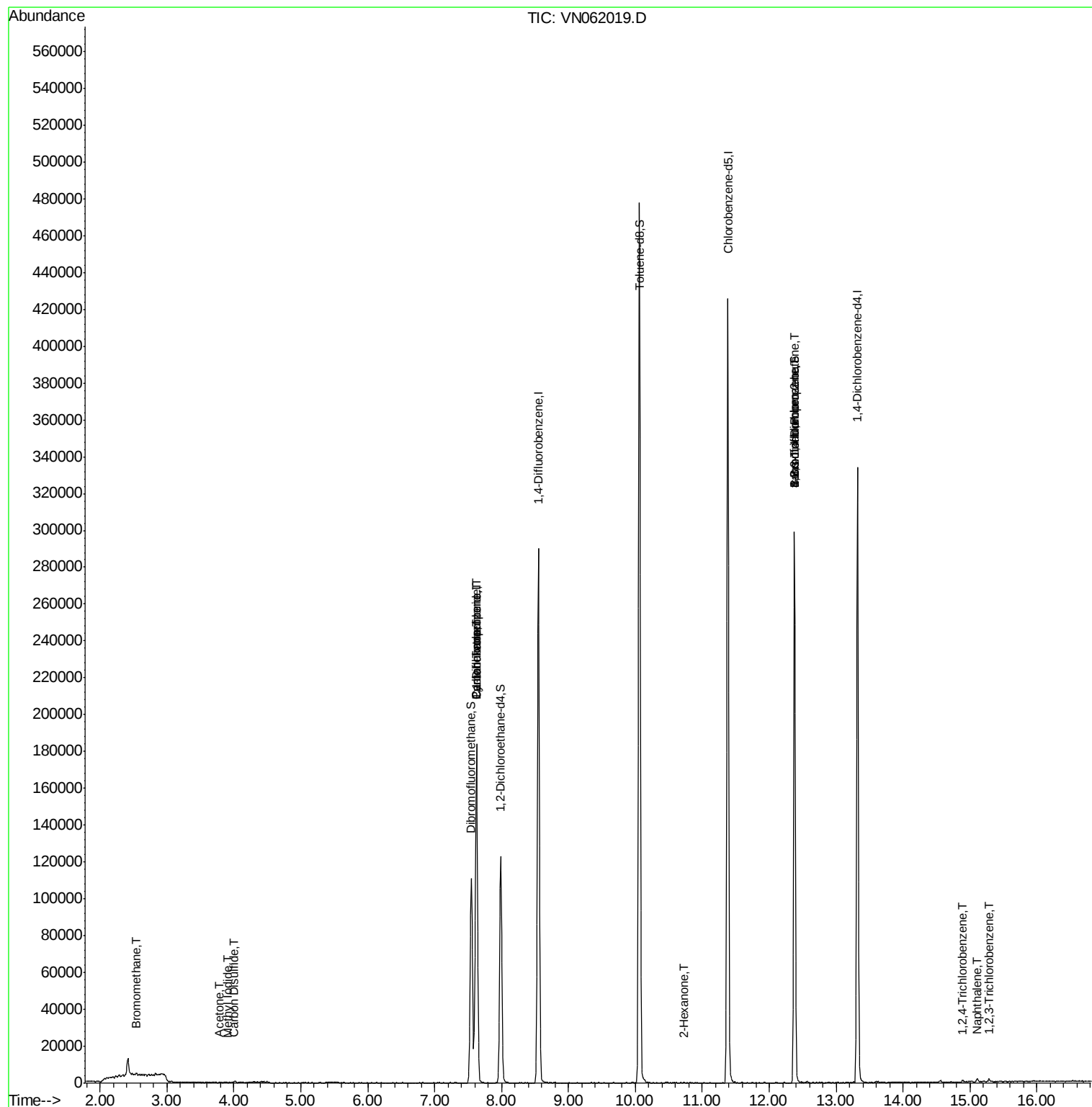
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	418	0.227	ug/l #	80
10) Methyl Iodide	3.90	142	141	5.390	ug/l #	42
16) Acetone	3.78	43	317	0.552	ug/l #	40
17) Carbon Disulfide	4.00	76	1113	0.258	ug/l #	75
31) Cyclohexane	7.62	56	3228	1.260	ug/l #	32
36) 1,1-Dichloropropene	7.63	75	12078	4.937	ug/l #	46
38) Carbon Tetrachloride	7.62	117	14557	6.009	ug/l #	17
59) 2-Hexanone	10.72	43	165	13.509	ug/l #	20
71) Bromoform	12.38	173	851	0.630	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53277	29.499	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53277	80.456	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.89	180	741	0.542	ug/l #	65
95) Naphthalene	15.11	128	2475	3.986	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	662	0.489	ug/l	75

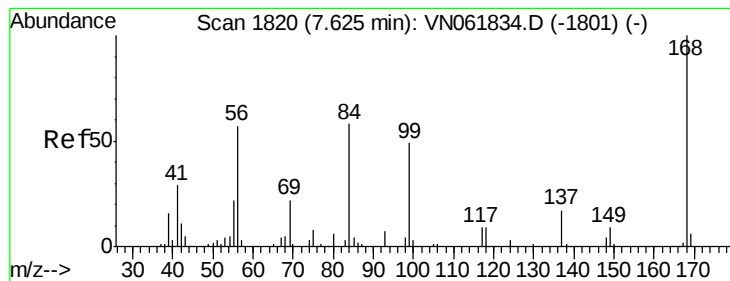
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

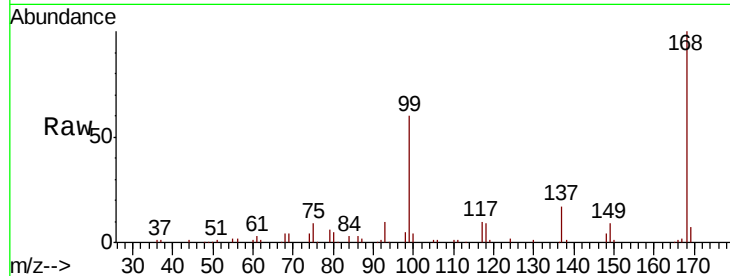
Z1-TB10-200615

Tot Ion:168 Resp: 144926

Ion Ratio Lower Upper

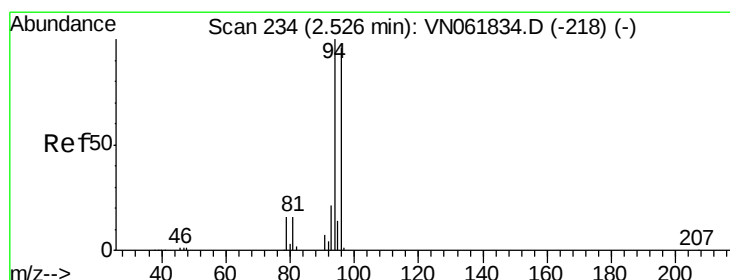
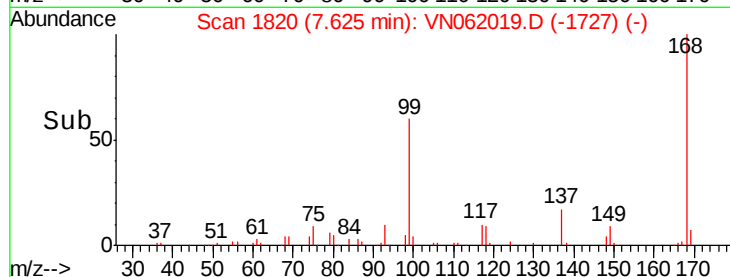
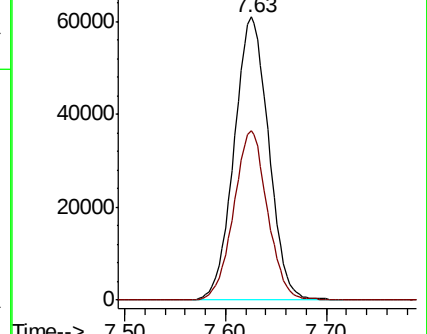
168 100

99 59.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062019.D

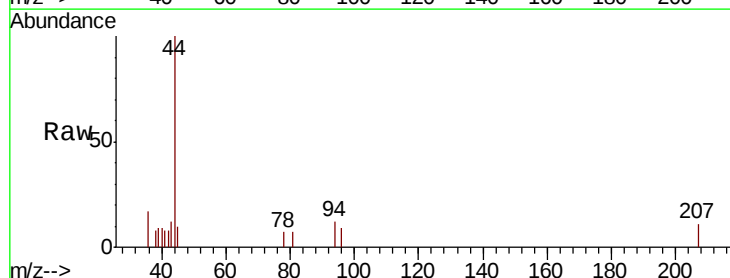
Acq: 23 Jun 2020 00:20

Tgt Ion: 94 Resp: 418

Ion Ratio Lower Upper

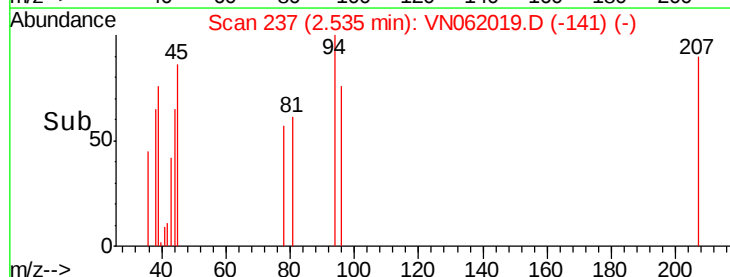
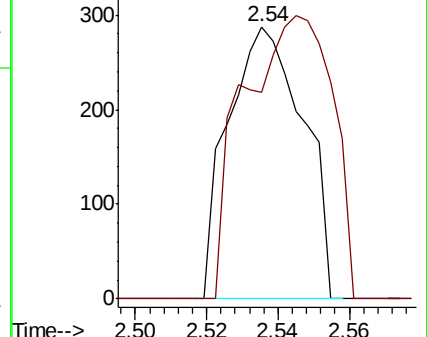
94 100

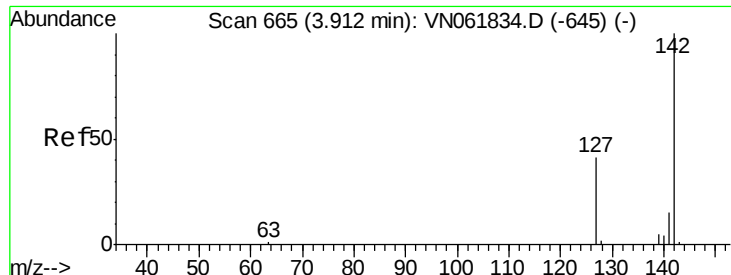
96 76.0 76.7 115.1#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

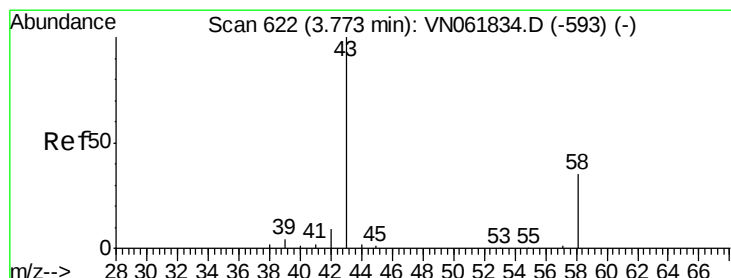
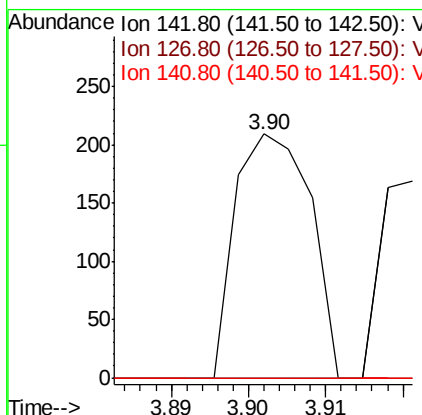
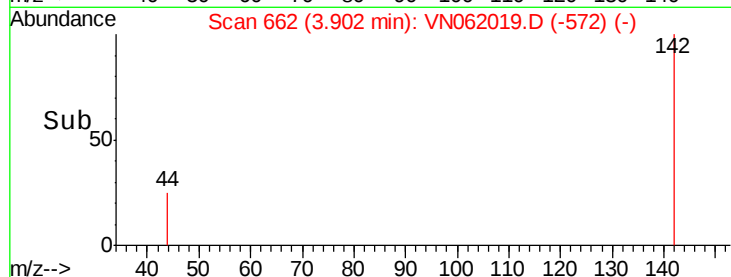
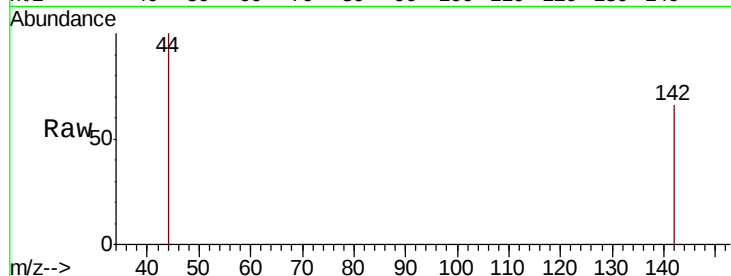




#10
Methyl Iodide
Concen: 5.390 ug/l
RT: 3.90 min Scan# 662
Delta R.T. -0.01 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

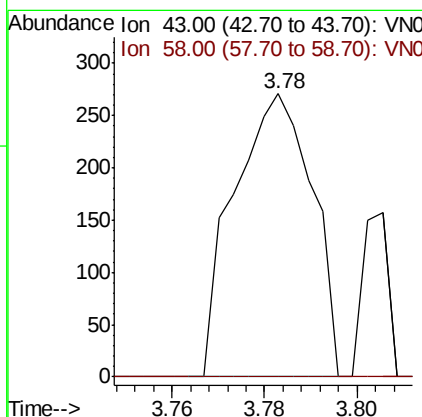
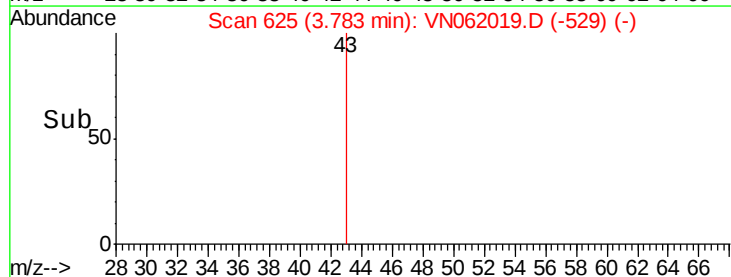
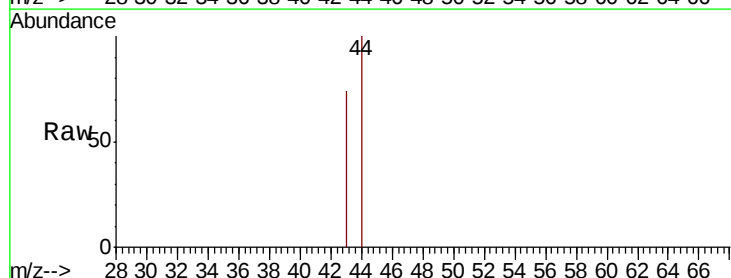
Instrument :
MSVOA_N
ClientSampleId :
Z1-TB10-200615

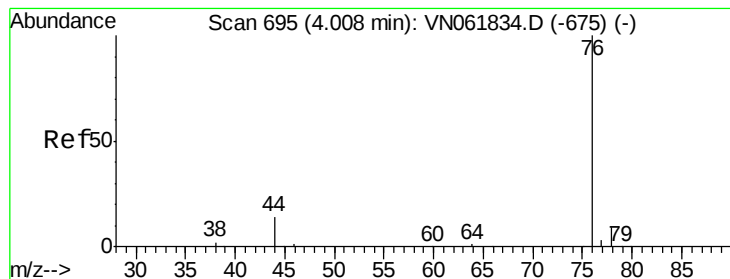
Tot Ion:142 Resp: 141
Ion Ratio Lower Upper
142 100
127 0.0 33.4 50.0#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 0.552 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

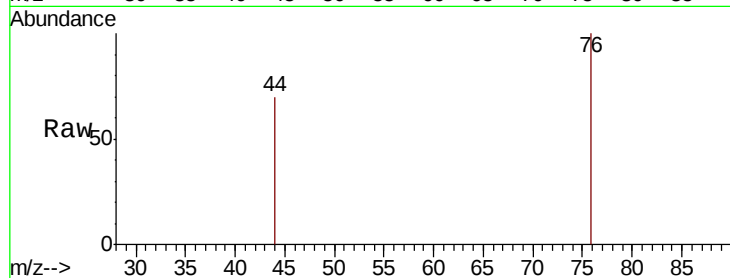
Z1-TB10-200615

Tot Ion: 76 Resp: 1113

Ion Ratio Lower Upper

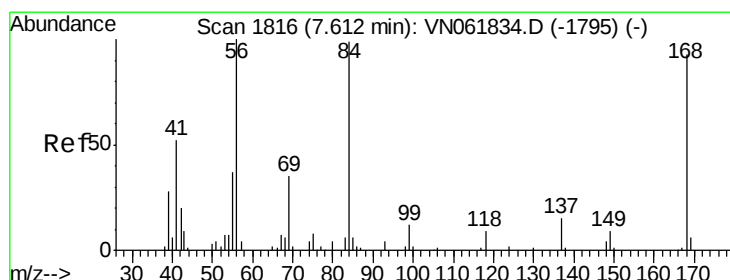
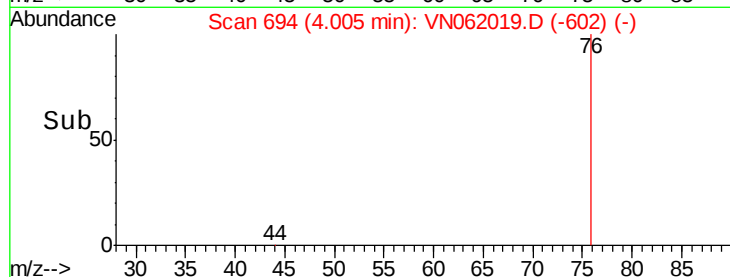
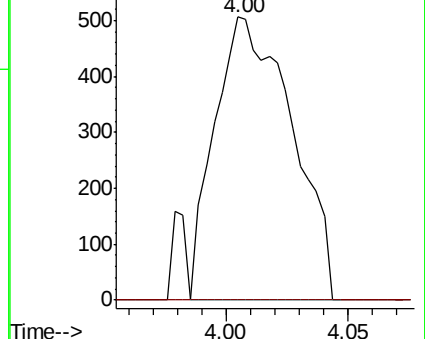
76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

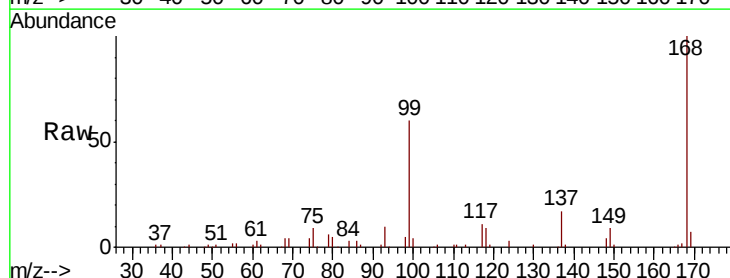
Tgt Ion: 56 Resp: 3228

Ion Ratio Lower Upper

56 100

69 162.5 27.7 41.5#

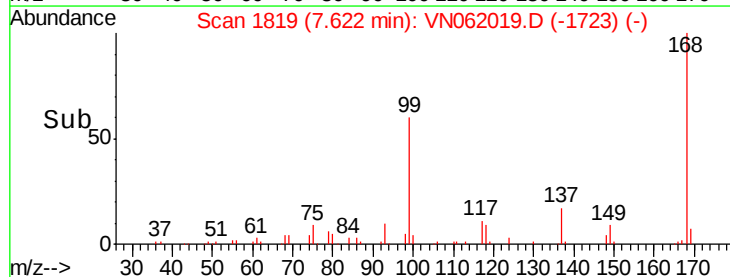
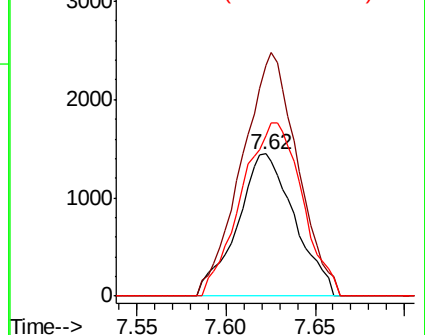
84 113.1 79.1 118.7

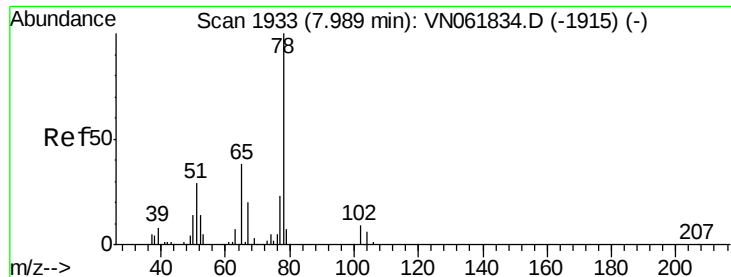


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.319 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

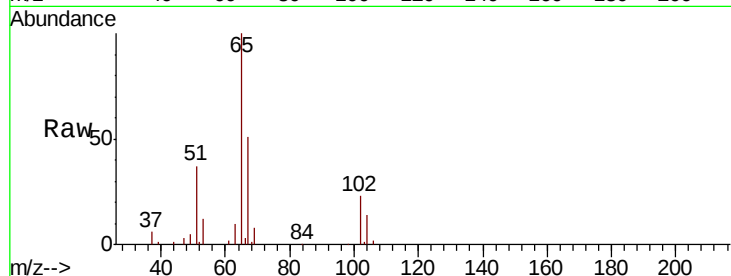
Z1-TB10-200615

Tot Ion: 65 Resp: 101691

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

7.99

50000

40000

30000

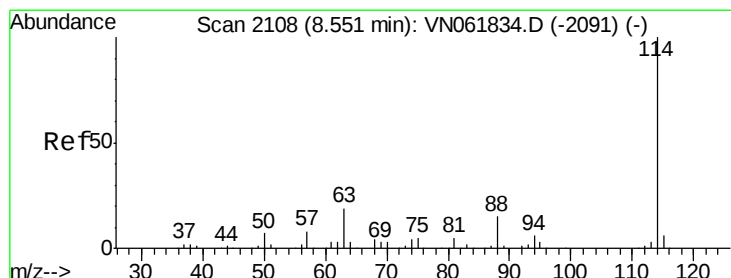
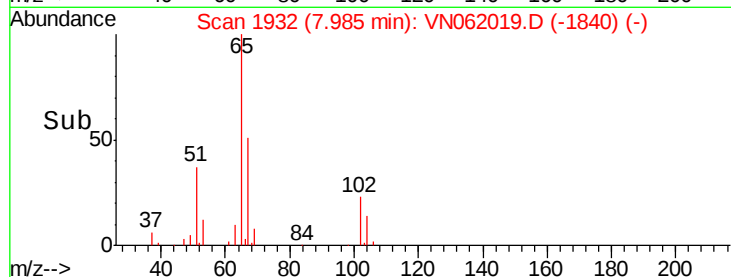
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

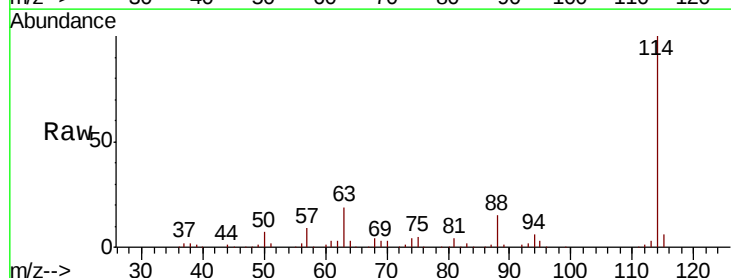
Tgt Ion: 114 Resp: 268191

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN061834.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061834.D (-2091) (-)

8.55

150000

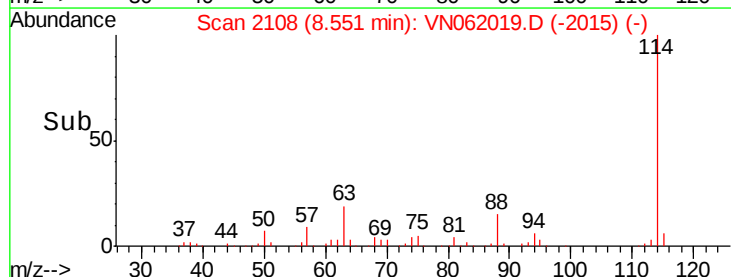
100000

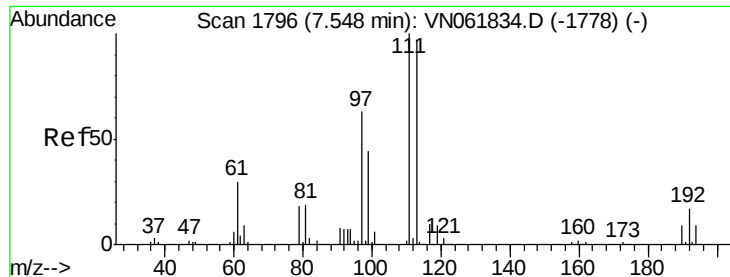
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

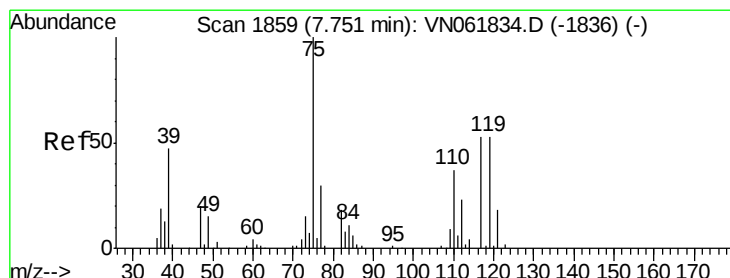
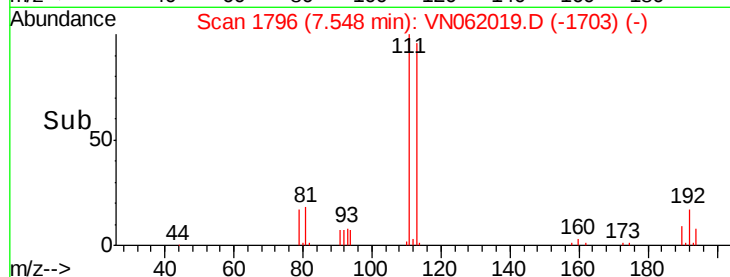
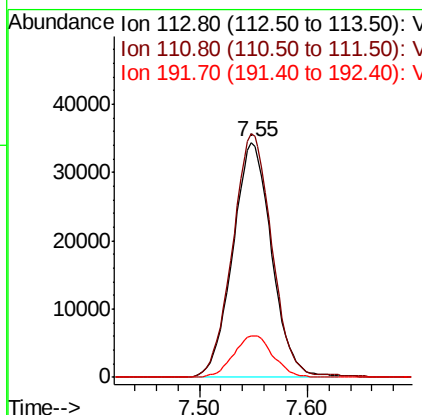
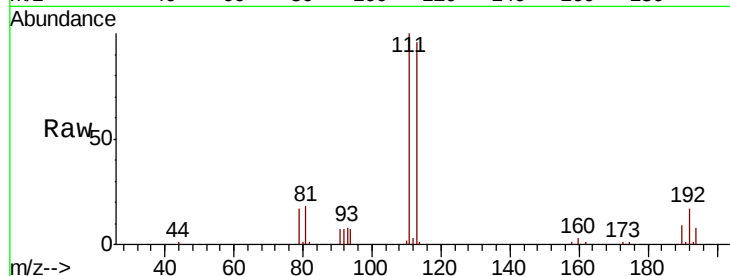




#35
 Dibromofluoromethane
 Concen: 50.268 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062019.D
 Acq: 23 Jun 2020 00:20

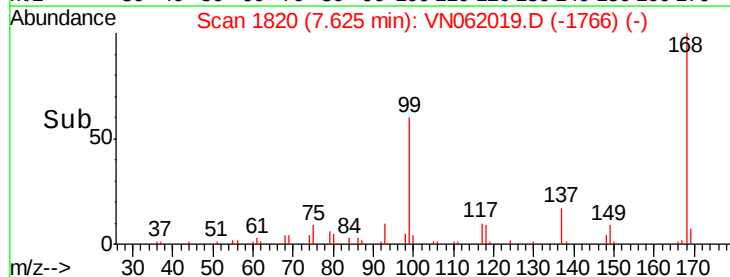
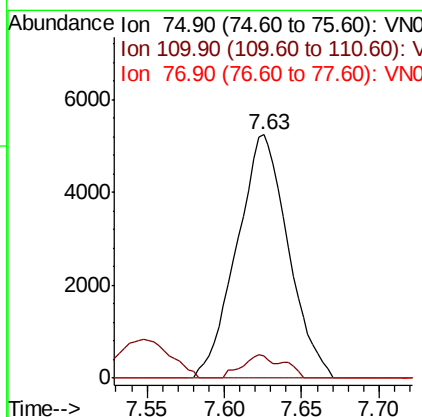
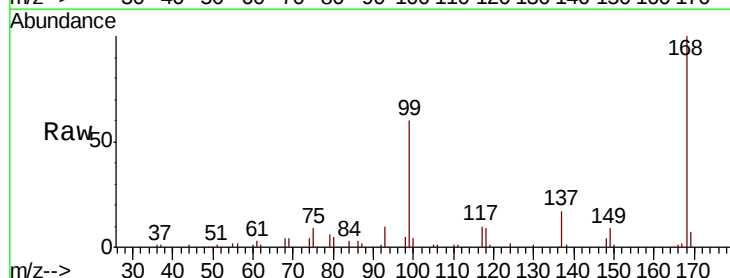
Instrument :
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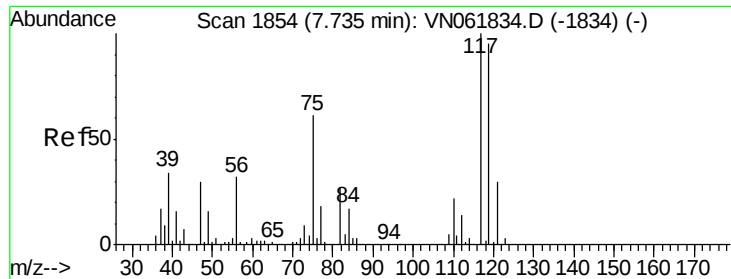
Tot Ion:113 Resp: 86247
 Ion Ratio Lower Upper
 113 100
 111 104.3 83.7 125.5
 192 17.9 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062019.D
 Acq: 23 Jun 2020 00:20

Tgt Ion: 75 Resp: 12078
 Ion Ratio Lower Upper
 75 100
 110 5.8 18.2 54.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.009 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB10-200615

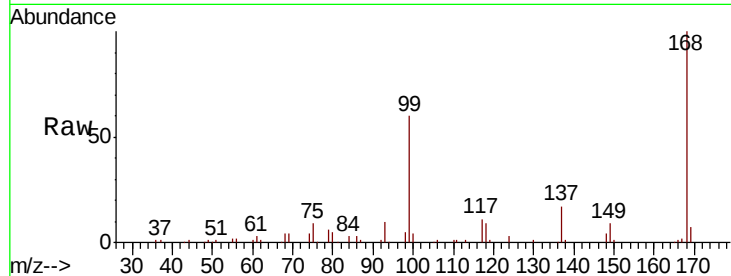
Tot Ion:117 Resp: 14557

Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

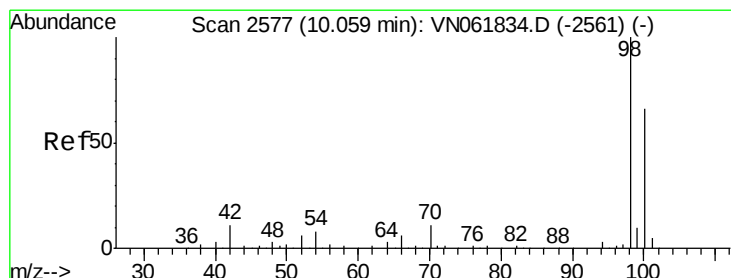
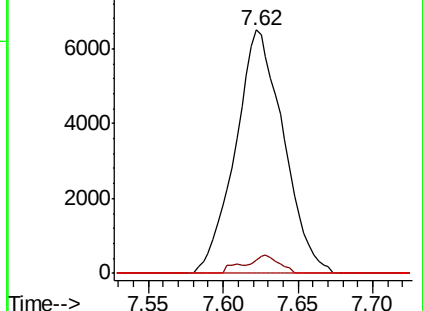
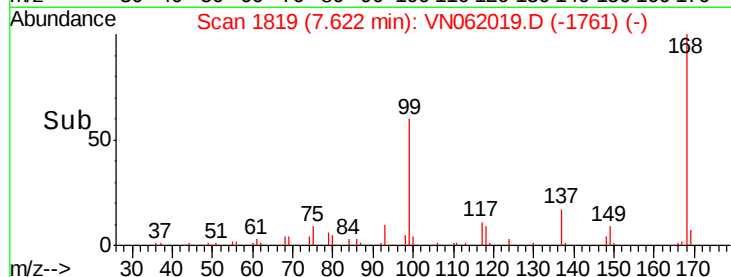
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.060 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062019.D

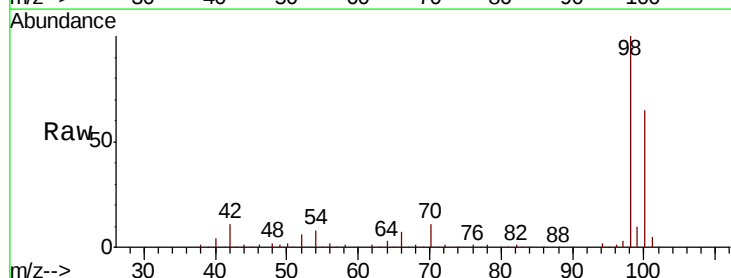
Acq: 23 Jun 2020 00:20

Tgt Ion: 98 Resp: 337669

Ion Ratio Lower Upper

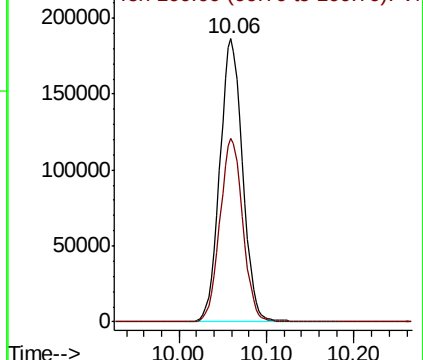
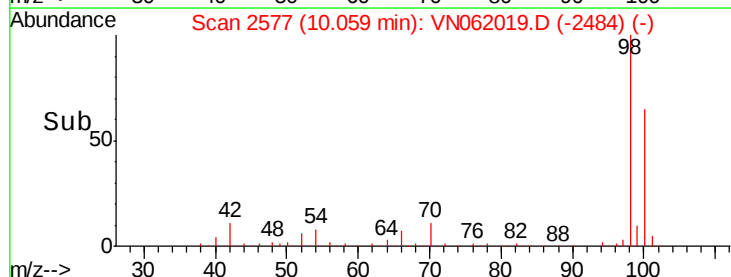
98 100

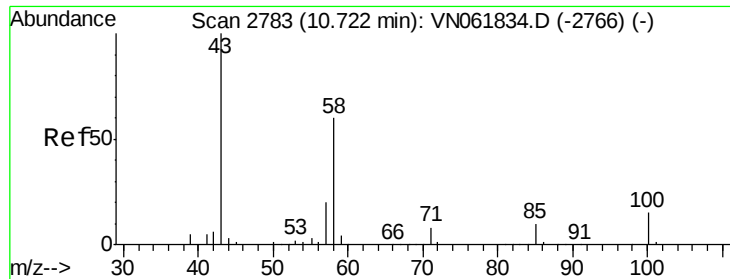
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

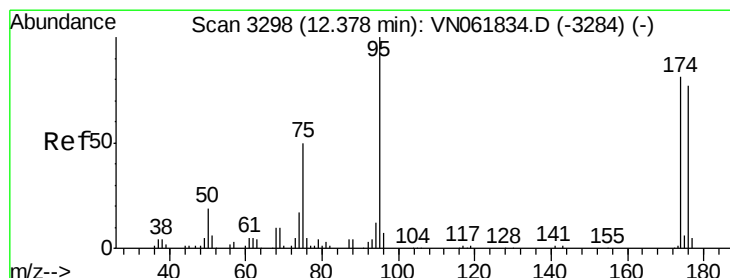
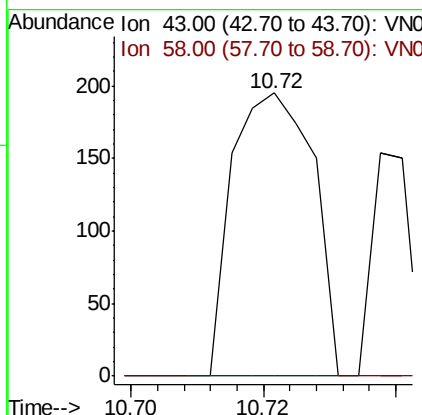
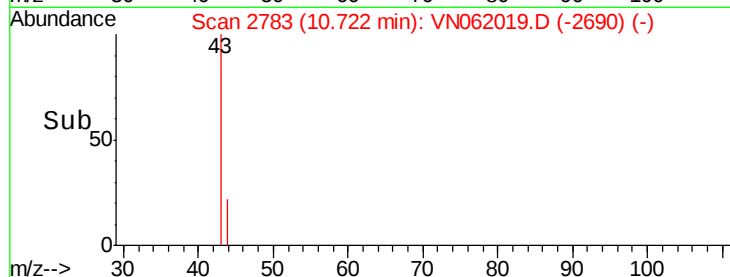
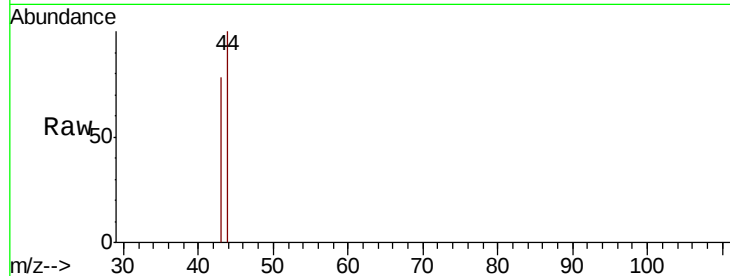




#59
2-Hexanone
Concen: 13.509 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

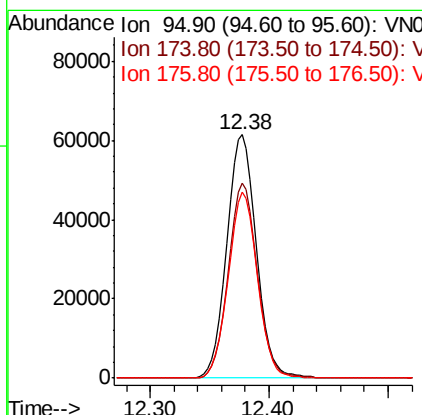
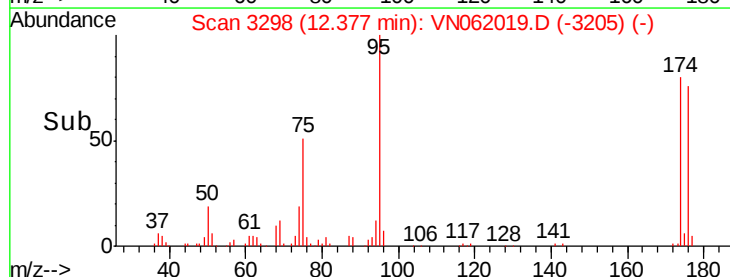
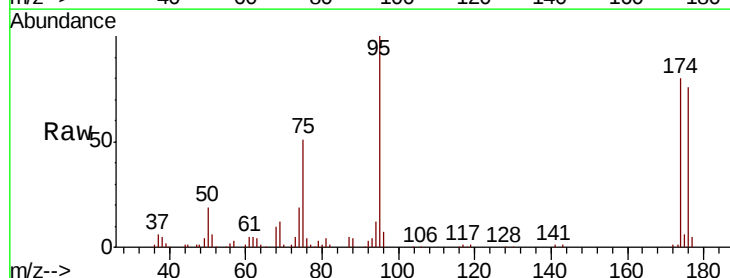
Instrument :
MSVOA_N
ClientSampleId :
Z1-TB10-200615

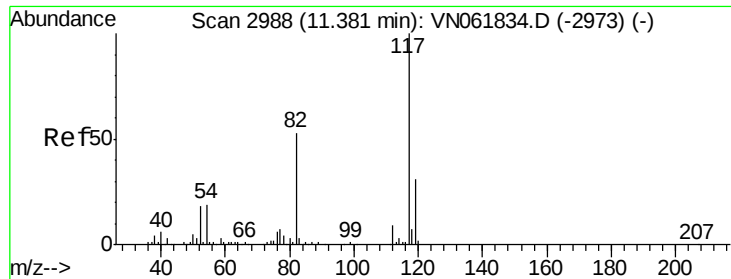
Tot Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.5#



#62
4-Bromofluorobenzene
Concen: 45.713 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

Tgt Ion: 95 Resp: 105767
Ion Ratio Lower Upper
95 100
174 79.2 0.0 158.6
176 75.6 0.0 152.0

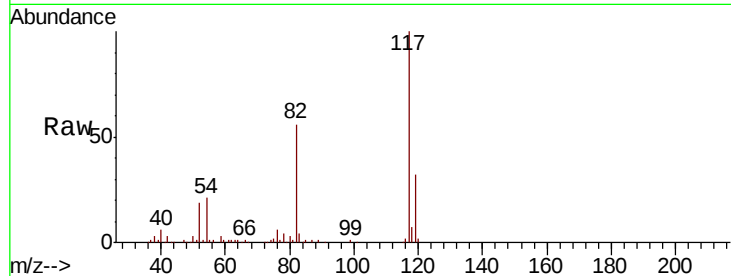




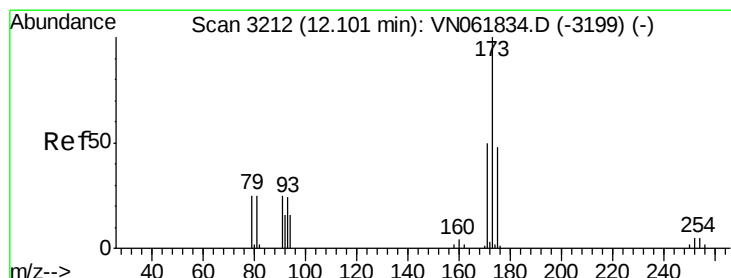
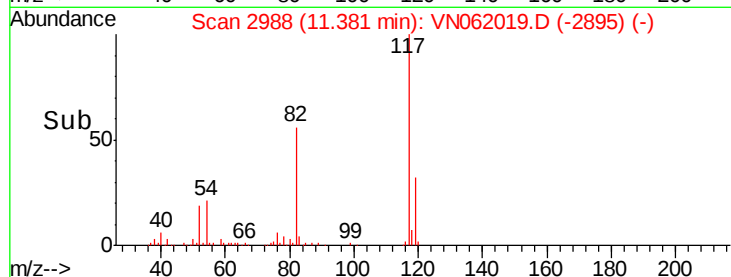
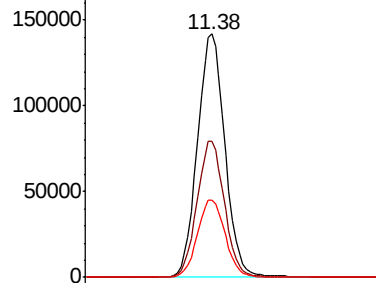
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
Z1-TB10-200615

Tot Ion:117 Resp: 251836
Ion Ratio Lower Upper
117 100
82 56.0 42.6 64.0
119 31.8 24.7 37.1

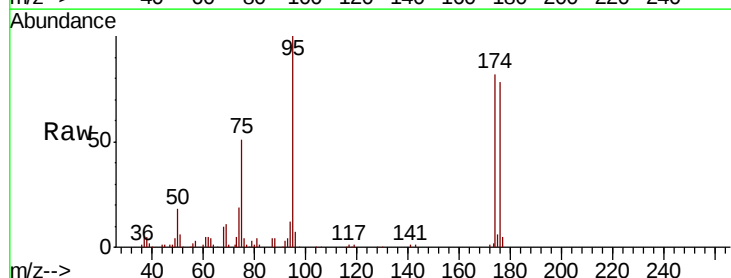


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

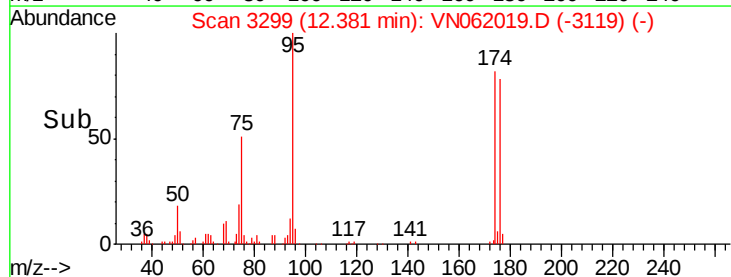
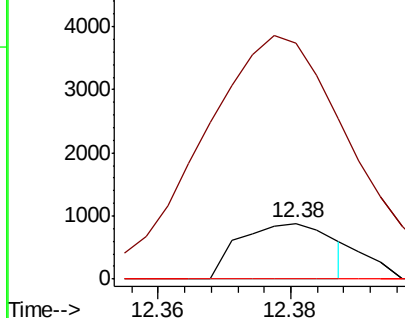


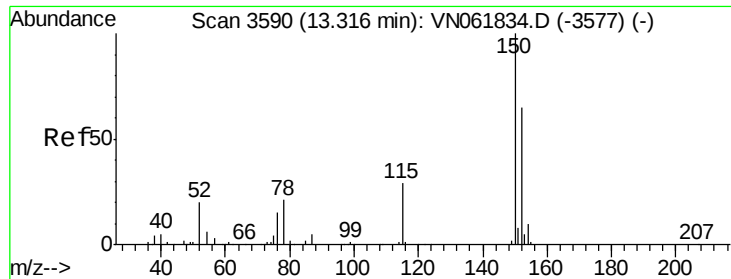
#71
Bromoform
Concen: 0.630 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062019.D
Acq: 23 Jun 2020 00:20

Tgt Ion:173 Resp: 851
Ion Ratio Lower Upper
173 100
175 608.1 23.9 71.7#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB10-200615

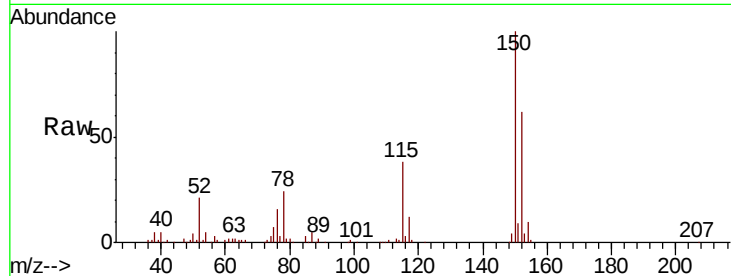
Tot Ion:152 Resp: 91994

Ion Ratio Lower Upper

152 100

115 59.8 29.1 87.3

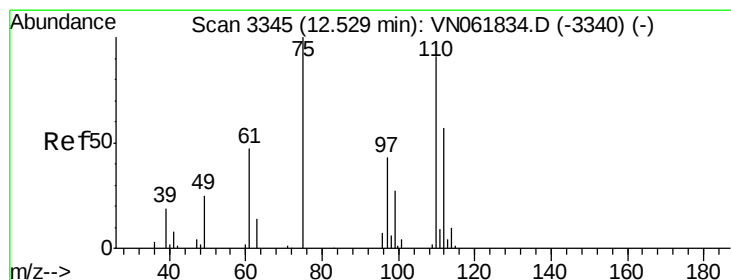
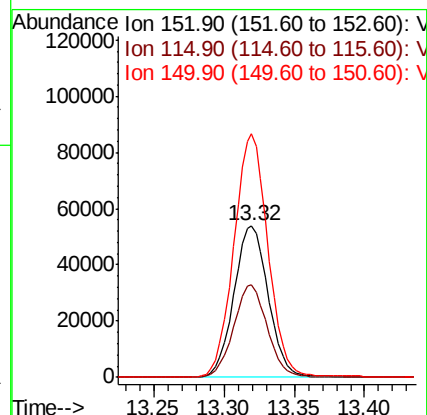
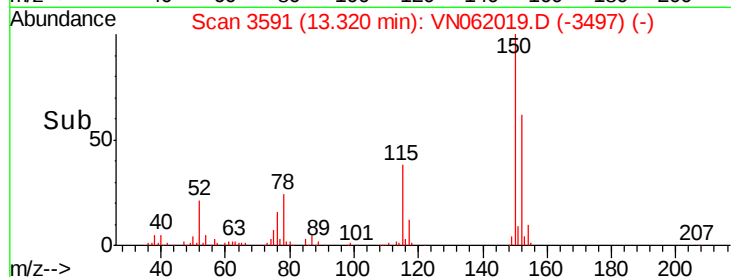
150 159.0 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.499 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062019.D

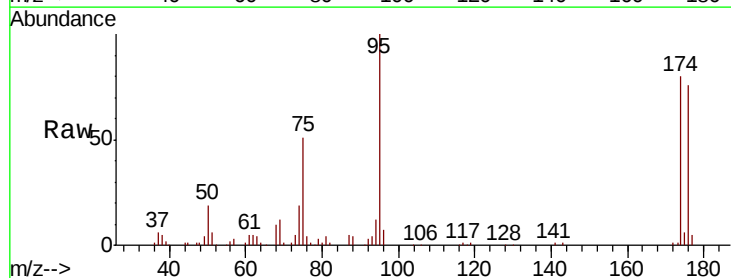
Acq: 23 Jun 2020 00:20

Tgt Ion: 75 Resp: 53277

Ion Ratio Lower Upper

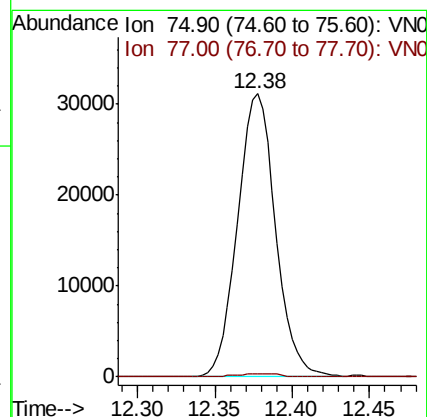
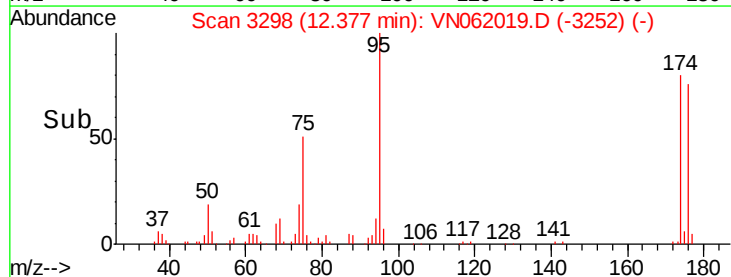
75 100

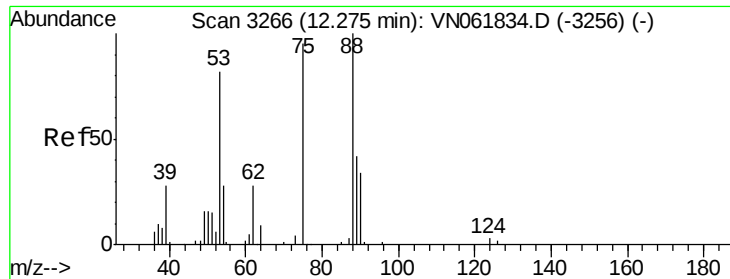
77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 80.456 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB10-200615

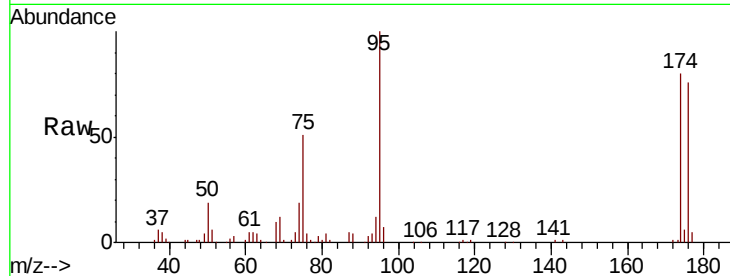
Tot Ion: 75 Resp: 53277

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

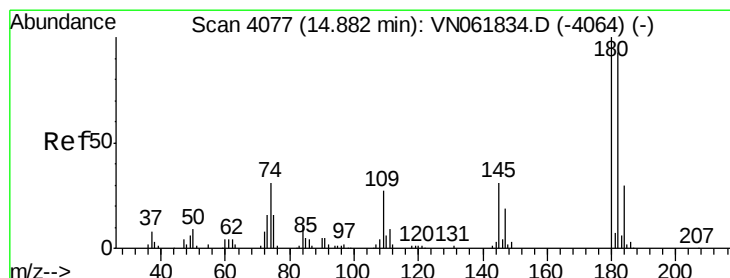
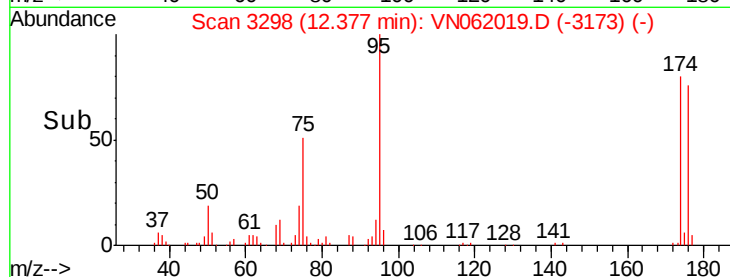
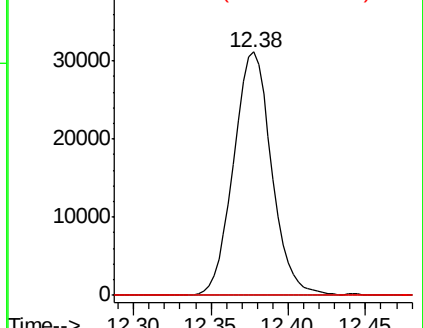
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061834.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061834.D (-3256) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.542 ug/l

RT: 14.89 min Scan# 4080

Delta R.T. 0.01 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

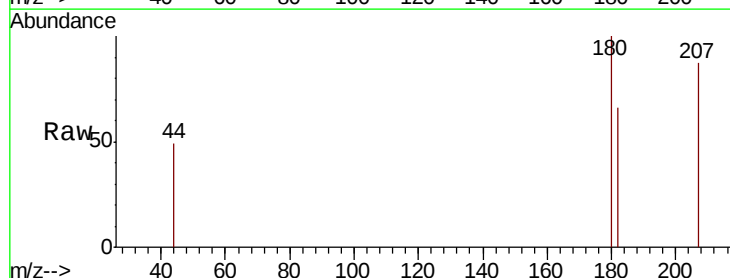
Tgt Ion: 180 Resp: 741

Ion Ratio Lower Upper

180 100

182 67.9 47.0 141.2

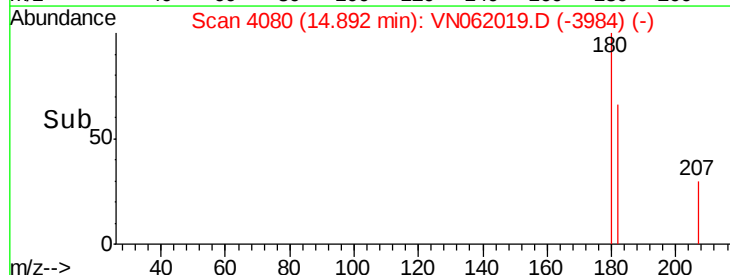
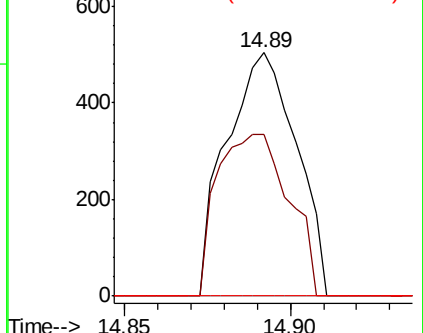
145 0.0 15.8 47.3#

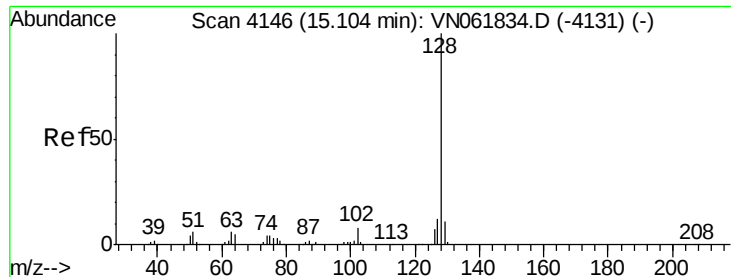


Abundance Ion 179.80 (179.50 to 180.50): VN061834.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN061834.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN061834.D (-4064) (-)





#95

Naphthalene

Concen: 3.986 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

Z1-TB10-200615

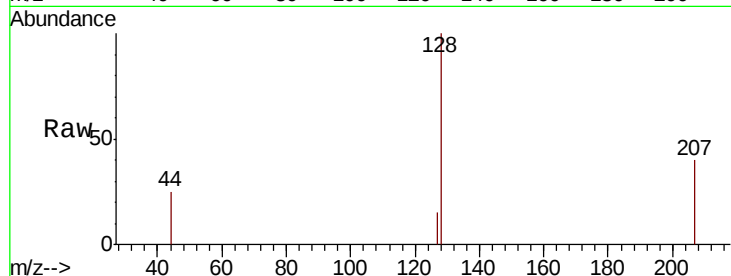
Tot Ion:128 Resp: 2475

Ion Ratio Lower Upper

128 100

127 8.6 10.3 15.5#

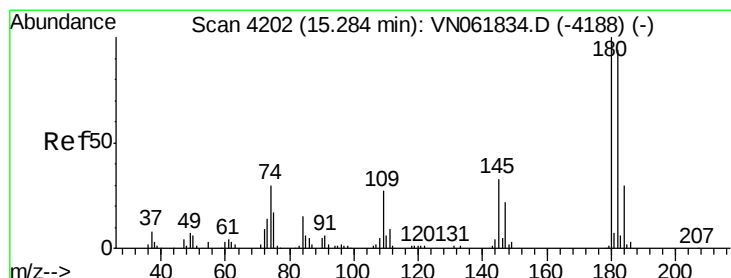
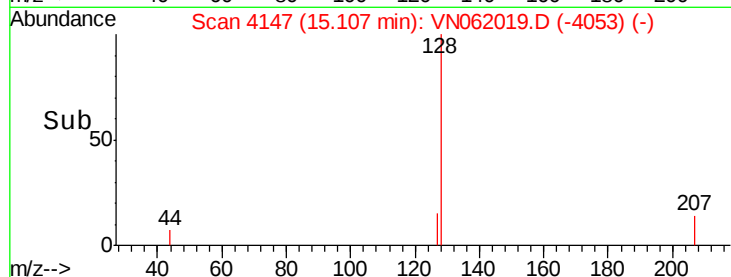
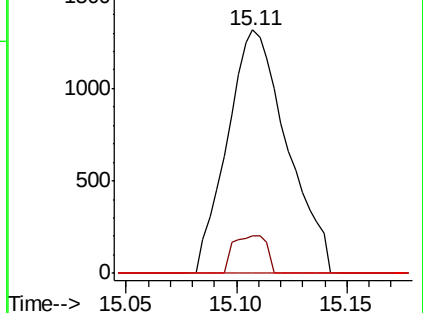
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.489 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062019.D

Acq: 23 Jun 2020 00:20

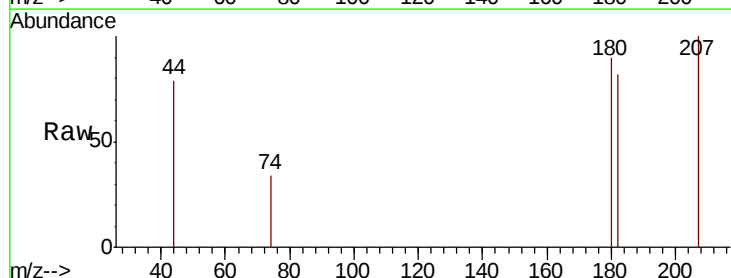
Tgt Ion:180 Resp: 662

Ion Ratio Lower Upper

180 100

182 120.8 47.9 143.6

145 20.4 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

