

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081320\
 Data File : VN062912.D
 Acq On : 13 Aug 2020 15:39
 Operator : JC/MD
 Sample : L3667-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-TB-2020-1

Quant Time: Aug 14 05:08:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	124640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	211577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	217594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82586	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	105687	51.28	ug/l	0.00
Spiked Amount						
			Recovery	=	102.56%	
35) Dibromofluoromethane	7.55	113	73901	51.06	ug/l	0.00
Spiked Amount						
			Recovery	=	102.12%	
50) Toluene-d8	10.06	98	277095	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.38	95	101734	47.64	ug/l	0.00
Spiked Amount						
			Recovery	=	95.28%	

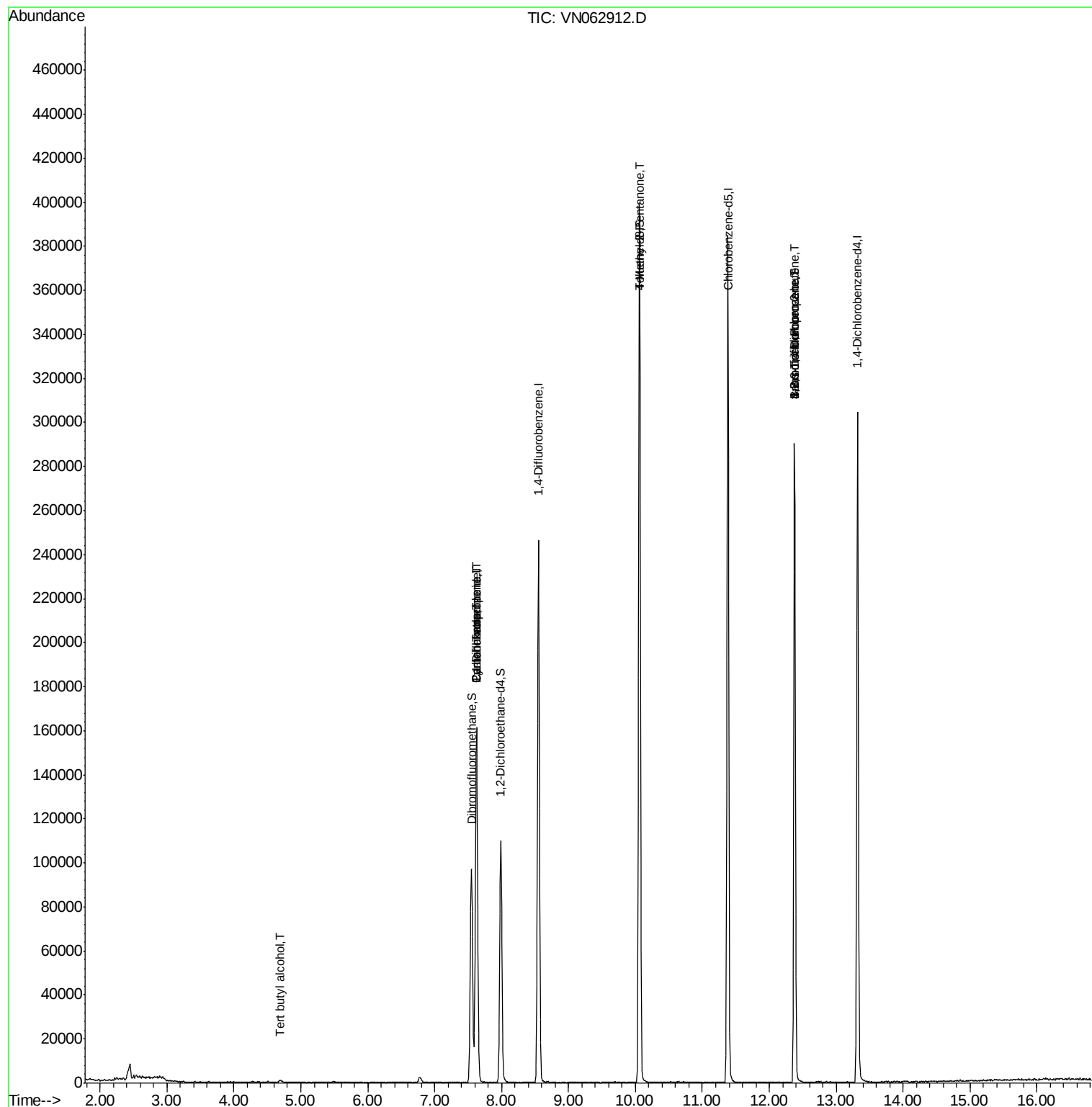
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	1004	2.972	ug/l #	72
17) Carbon Disulfide	4.00	76	64	Below Cal	#	74
18) Methyl Acetate	4.27	43	100	Below Cal	#	52
20) Methylene Chloride	4.50	84	62	Below Cal	#	5
31) Cyclohexane	7.63	56	2935	1.174	ug/l #	23
36) 1,1-Dichloropropene	7.62	75	10252	4.976	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13108	5.380	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1201	0.517	ug/l #	1
71) Bromoform	12.38	173	1009	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56485	25.361	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56485	77.420	ug/l #	10

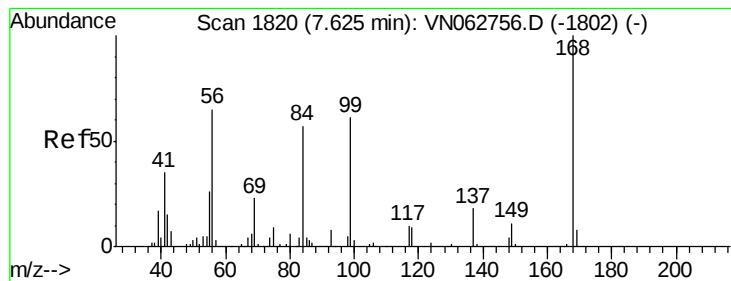
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

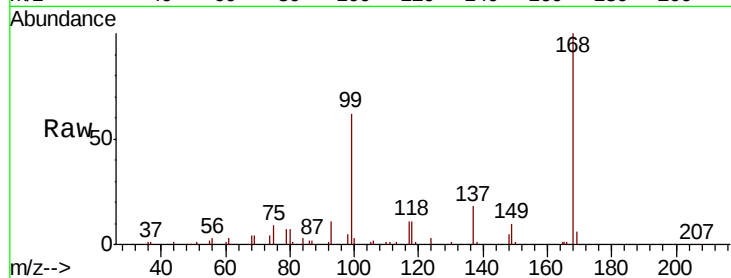
S39-TB-2020-1

Tot Ion:168 Resp: 124640

Ion Ratio Lower Upper

168 100

99 62.4 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

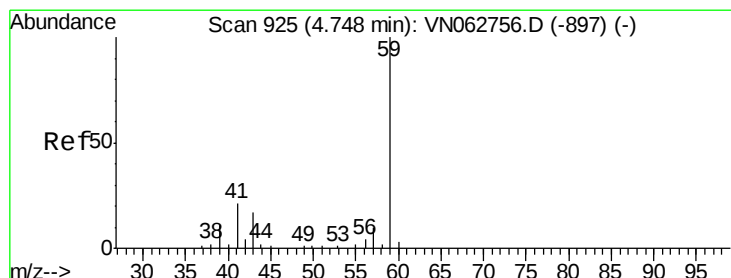
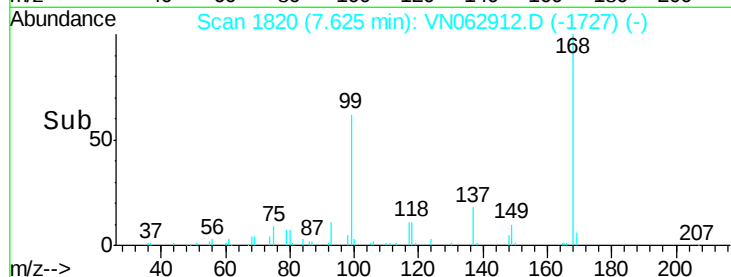
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 2.972 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062912.D

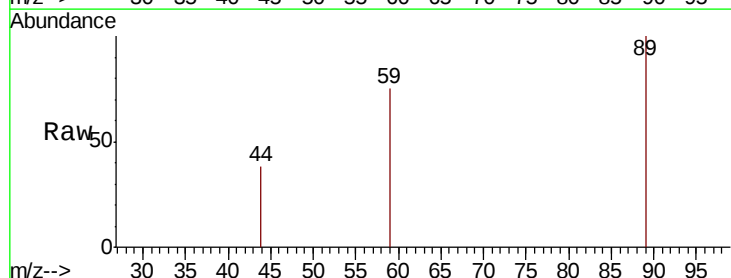
Acq: 13 Aug 2020 15:39

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

500

400

300

200

100

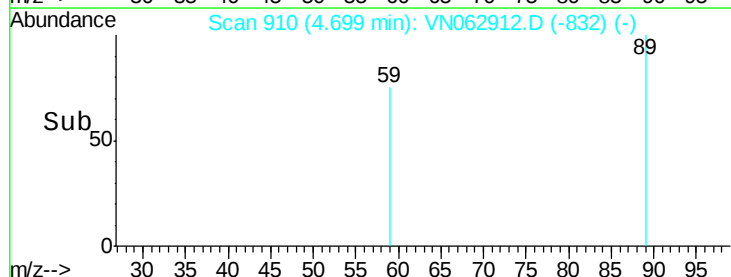
0

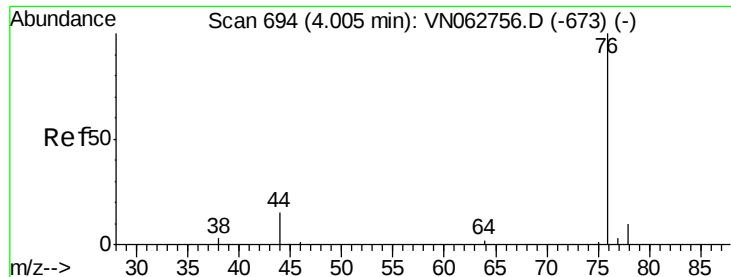
4.65

4.70

4.75

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

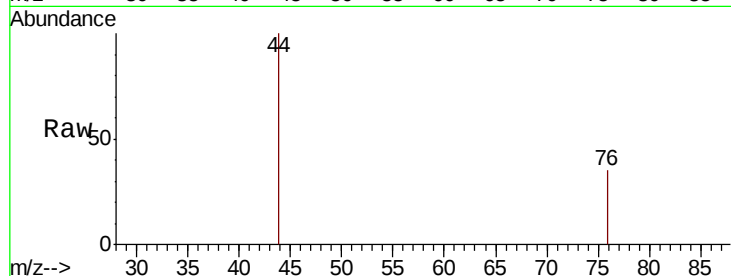
S39-TB-2020-1

Tot Ion: 76 Resp: 64

Ion Ratio Lower Upper

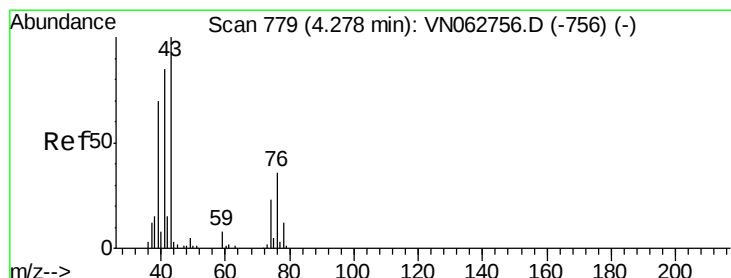
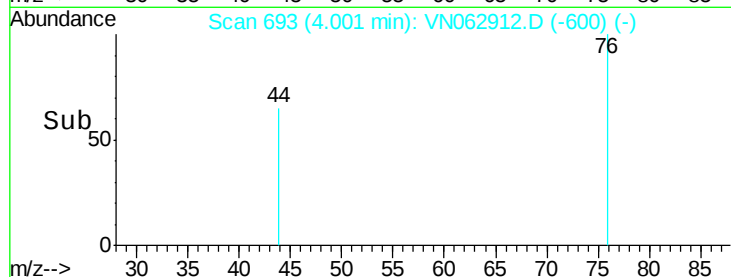
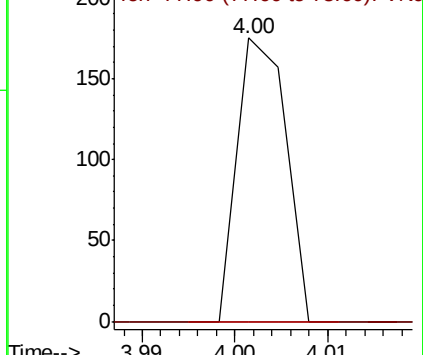
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062912.D

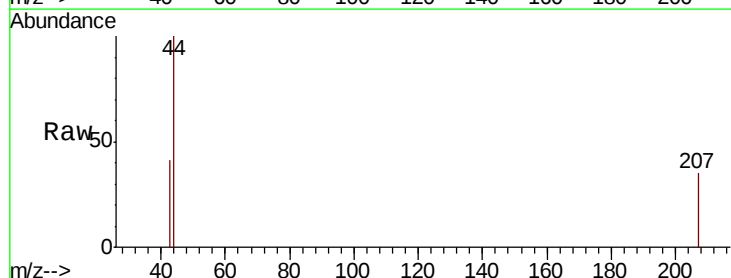
Acq: 13 Aug 2020 15:39

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

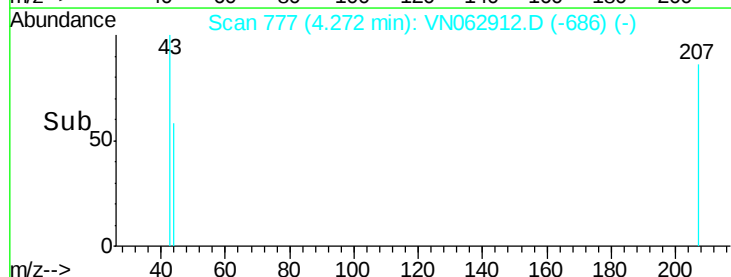
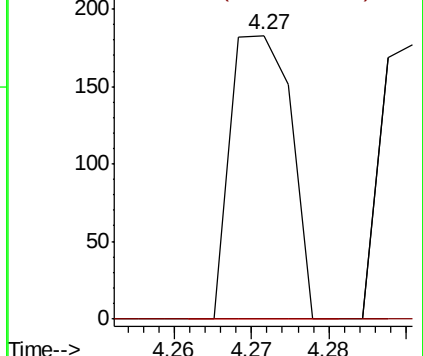
43 100

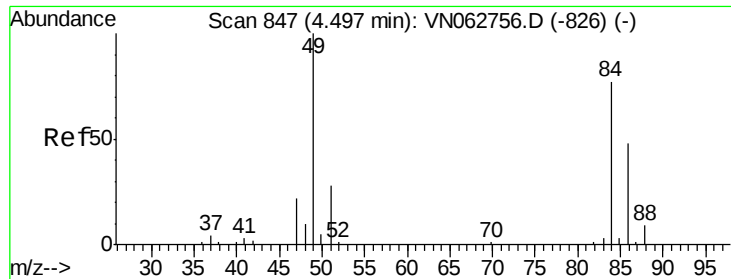
74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.50 min Scan# 847

Delta R.T. 0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-1

Tot Ion: 84 Resp: 62

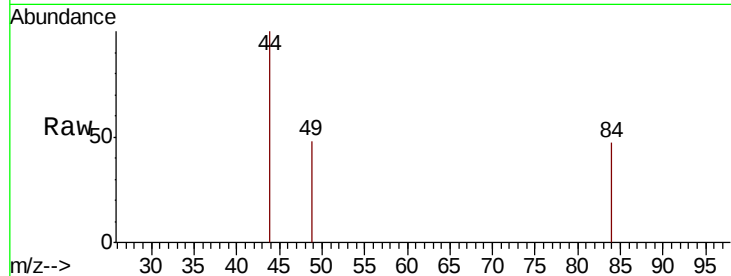
Ion Ratio Lower Upper

84 100

49 0.0 103.4 155.2#

51 0.0 29.3 43.9#

86 0.0 49.9 74.9#

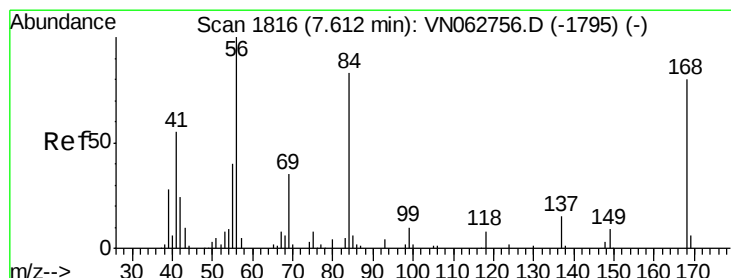
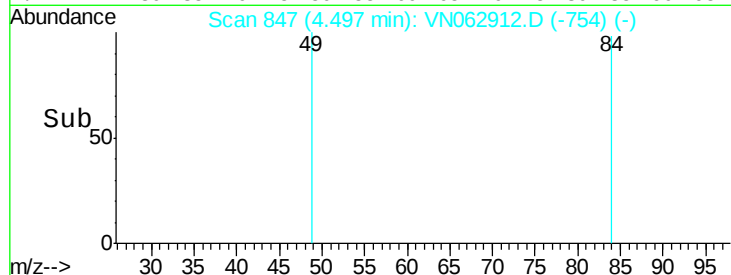
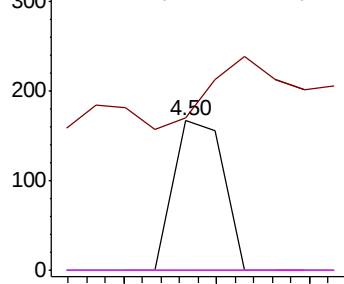


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.02 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

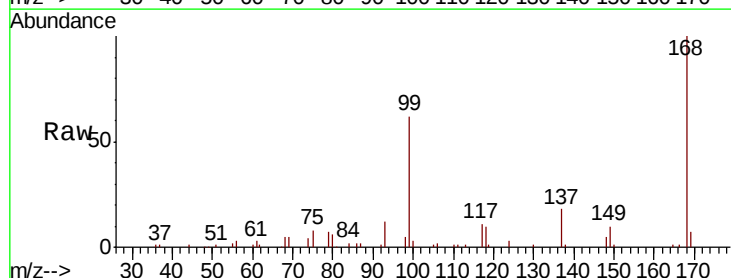
Tgt Ion: 56 Resp: 2935

Ion Ratio Lower Upper

56 100

69 175.8 28.1 42.1#

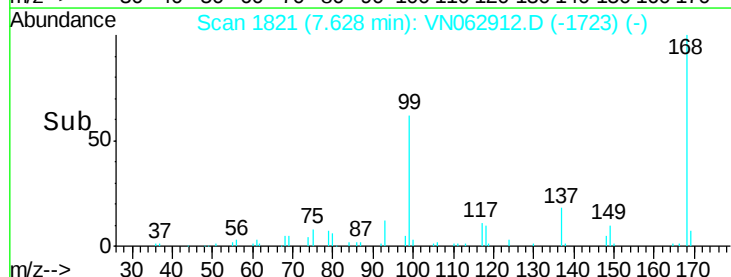
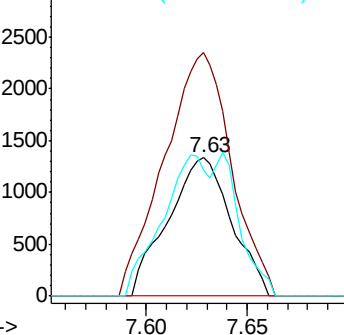
84 90.4 66.8 100.2

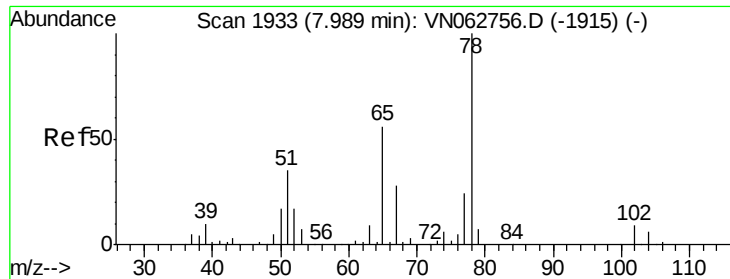


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.276 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

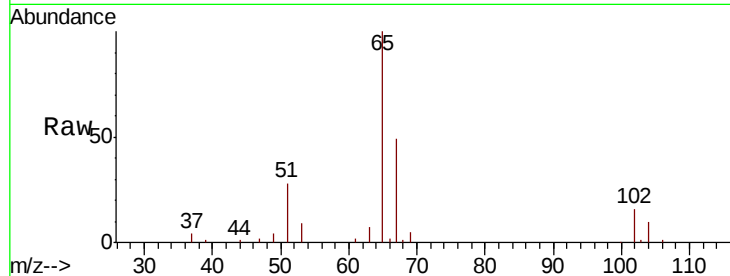
S39-TB-2020-1

Tot Ion: 65 Resp: 105687

Ion Ratio Lower Upper

65 100

67 48.6 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062756.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062756.D (-1915) (-)

7.99

50000

40000

30000

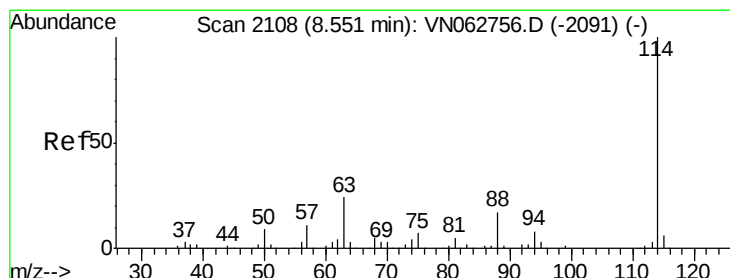
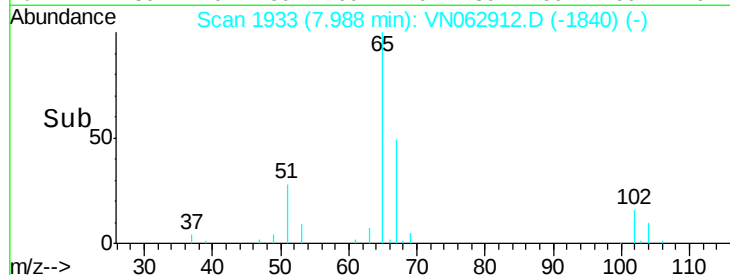
20000

10000

0

Time-->

7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

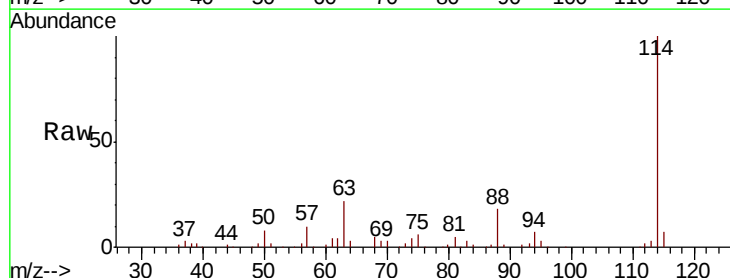
Tgt Ion: 114 Resp: 211577

Ion Ratio Lower Upper

114 100

63 22.3 0.0 47.6

88 17.8 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): VN062756.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062756.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062756.D (-2091) (-)

8.55

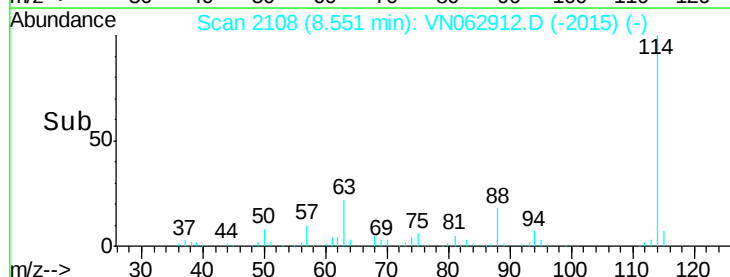
100000

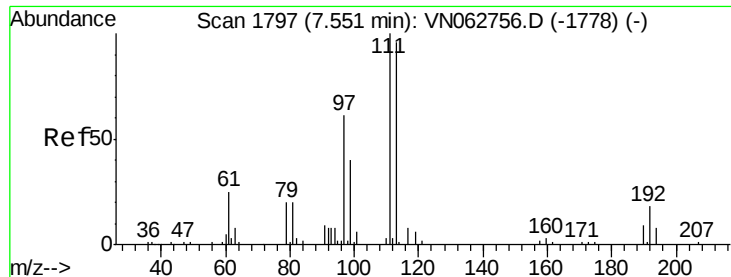
50000

0

Time-->

8.50 8.60





#35

Dibromofluoromethane

Concen: 51.061 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-1

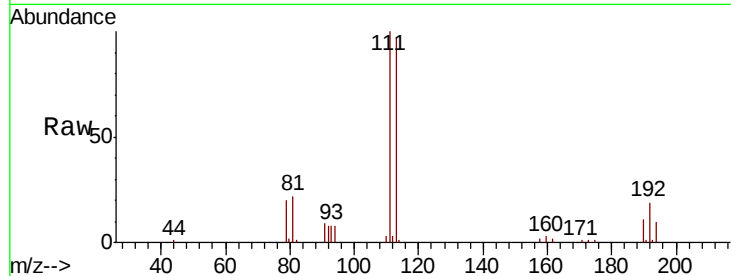
Tot Ion:113 Resp: 73901

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

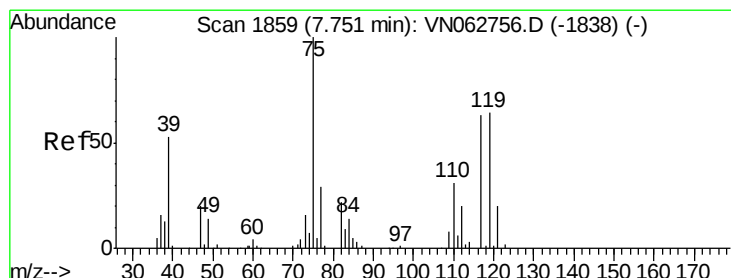
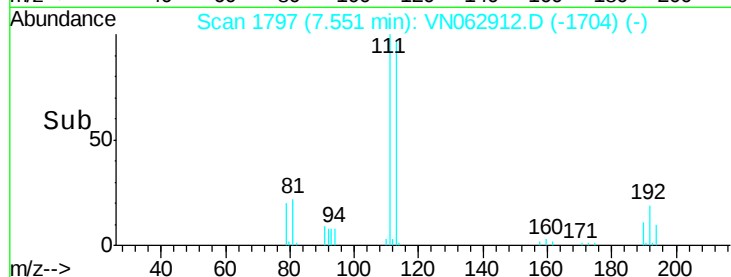
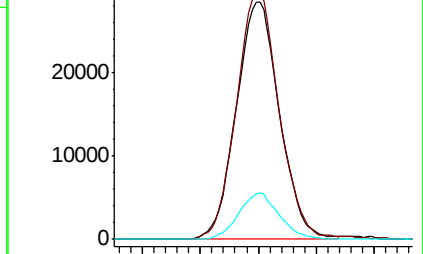
192 18.3 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

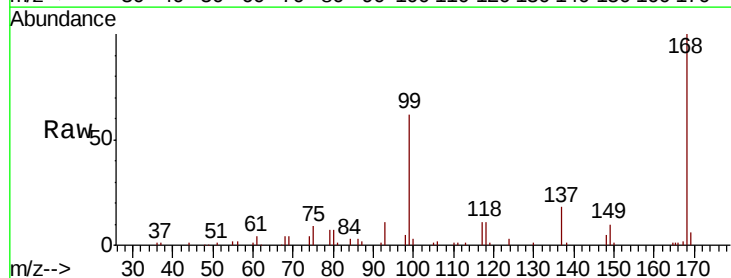
Tgt Ion: 75 Resp: 10252

Ion Ratio Lower Upper

75 100

110 4.4 15.6 46.7#

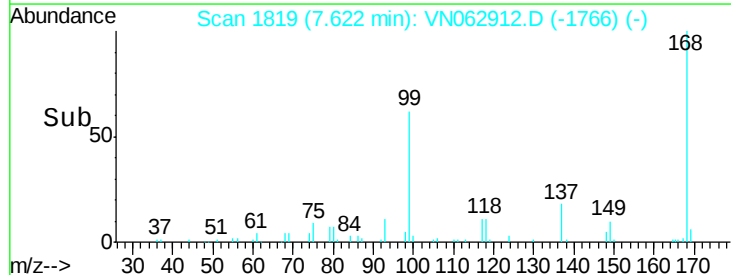
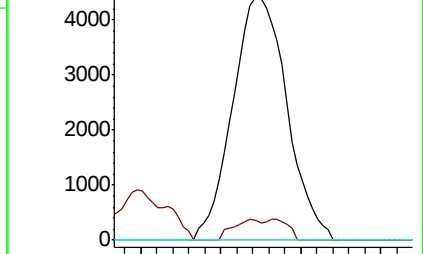
77 0.0 24.1 36.1#

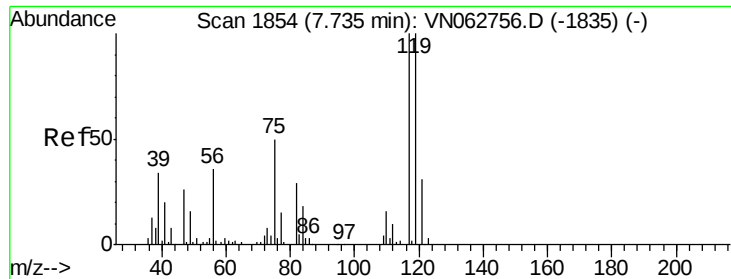


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.380 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

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ClientSampleId :

S39-TB-2020-1

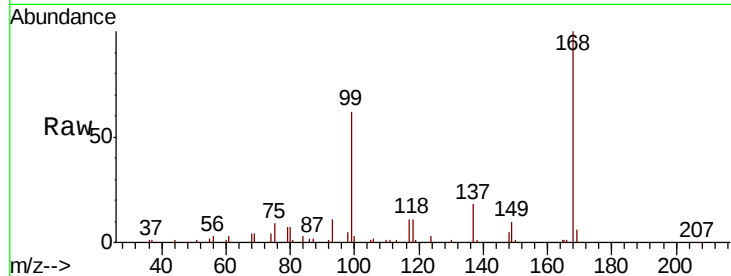
Tot Ion:117 Resp: 13108

Ion Ratio Lower Upper

117 100

119 7.4 79.4 119.2#

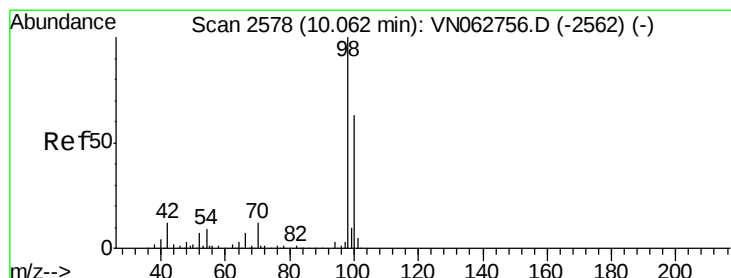
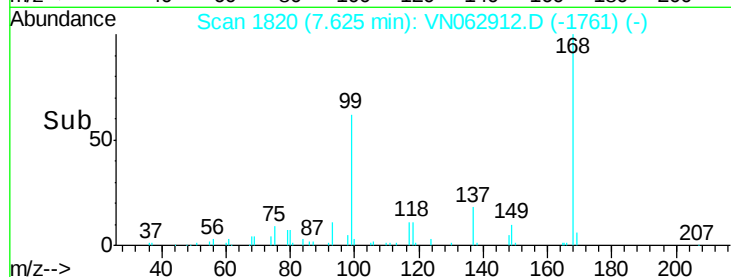
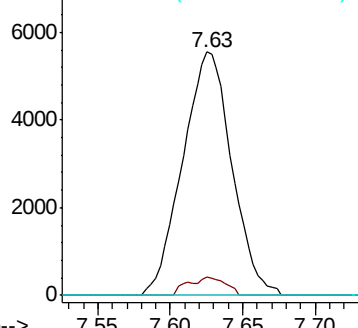
121 0.0 24.9 37.3#



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: 49.040 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062912.D

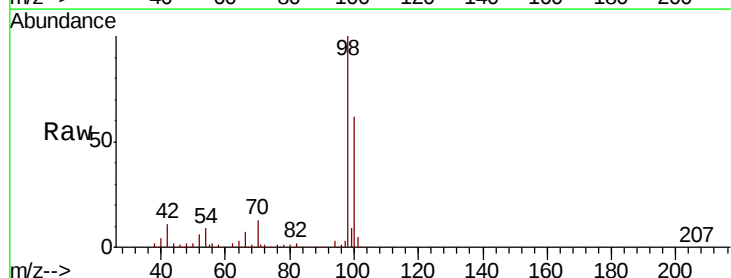
Acq: 13 Aug 2020 15:39

Tgt Ion: 98 Resp: 277095

Ion Ratio Lower Upper

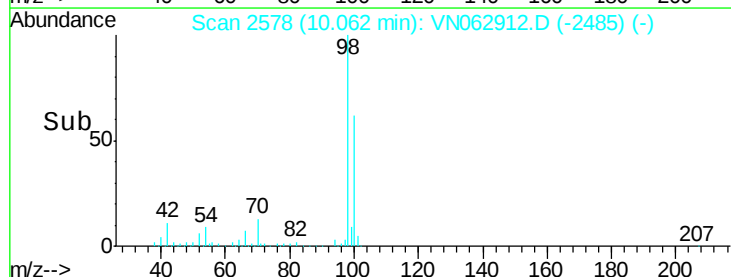
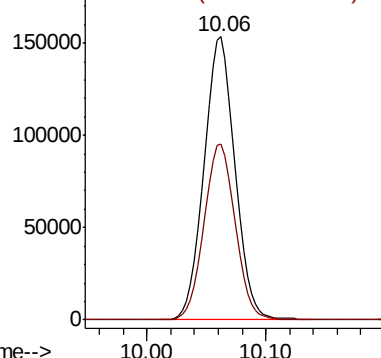
98 100

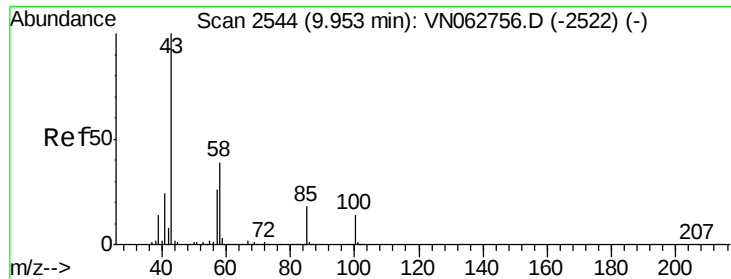
100 62.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.517 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

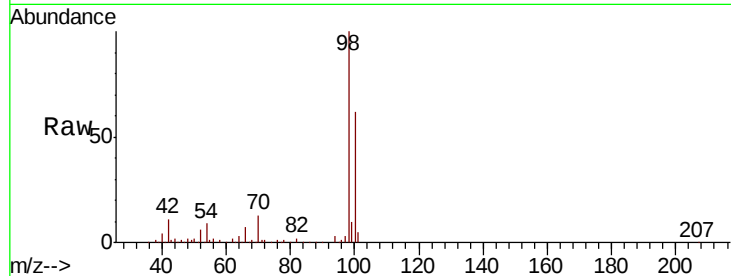
S39-TB-2020-1

Tot Ion: 43 Resp: 1201

Ion Ratio Lower Upper

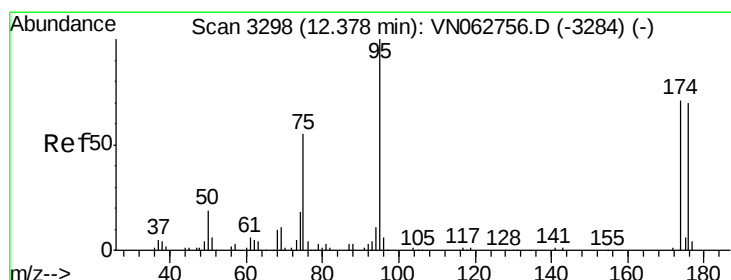
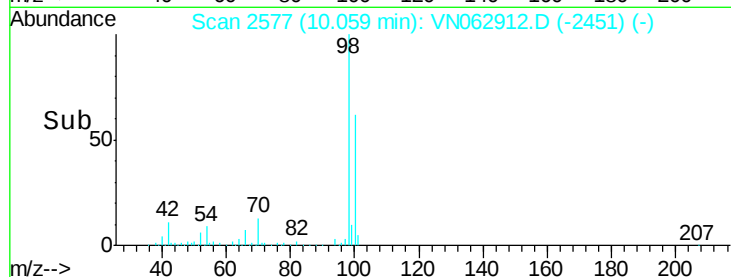
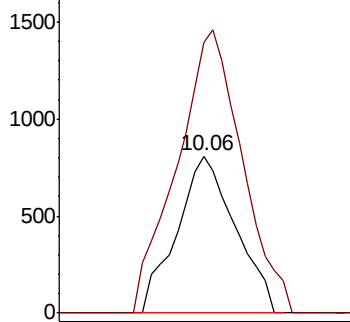
43 100

58 200.9 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.644 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

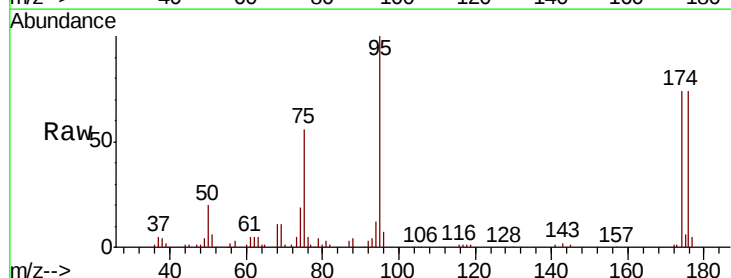
Tgt Ion: 95 Resp: 101734

Ion Ratio Lower Upper

95 100

174 75.7 0.0 144.8

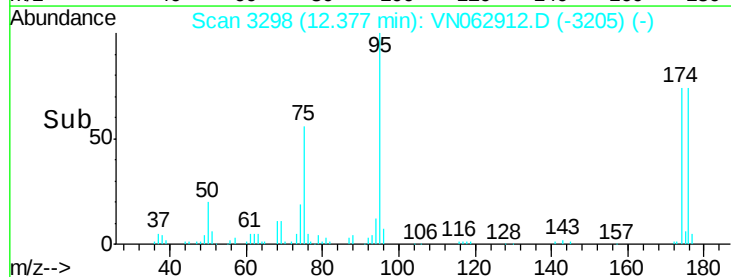
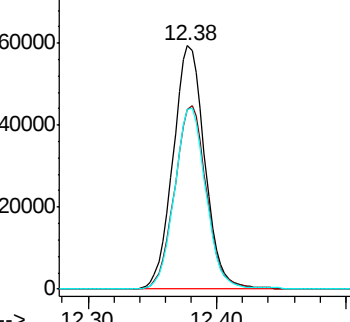
176 73.2 0.0 142.2

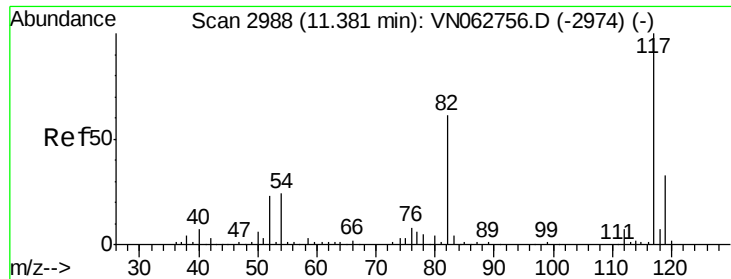


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

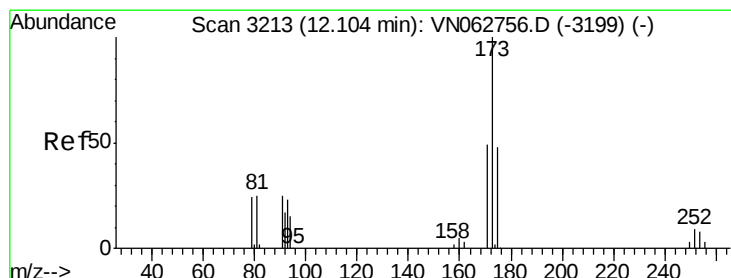
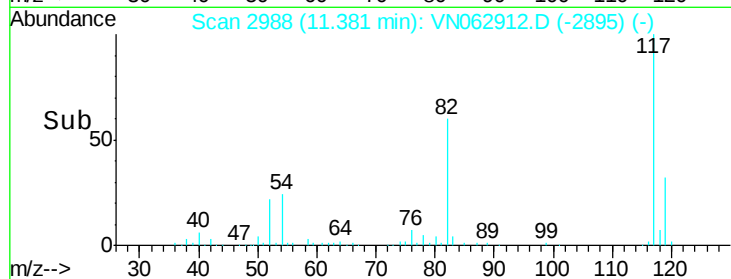
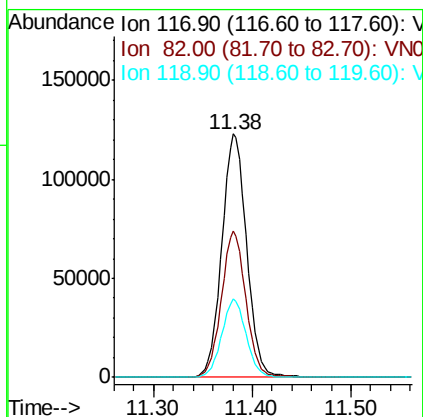
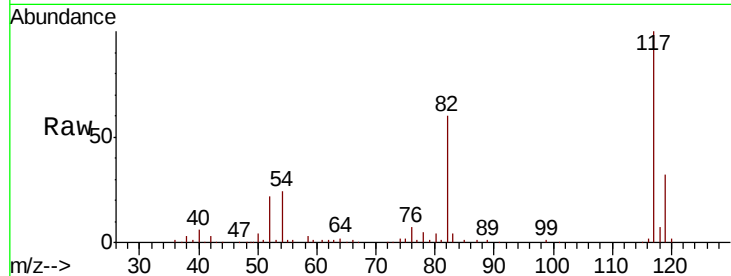




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062912.D
Acq: 13 Aug 2020 15:39

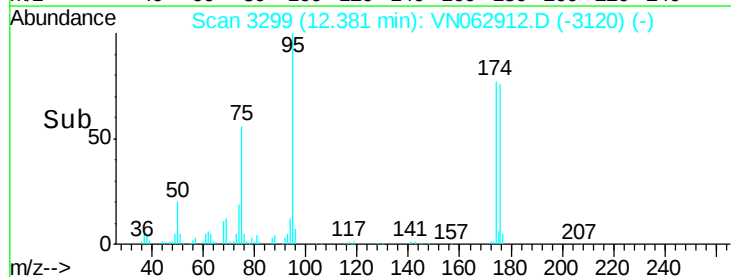
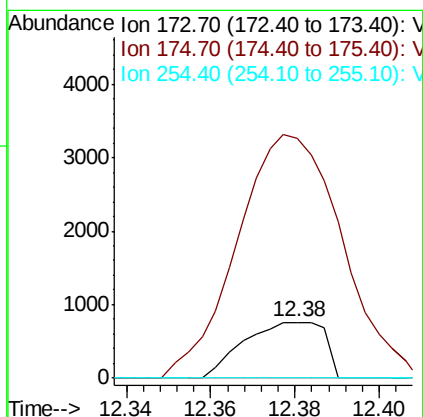
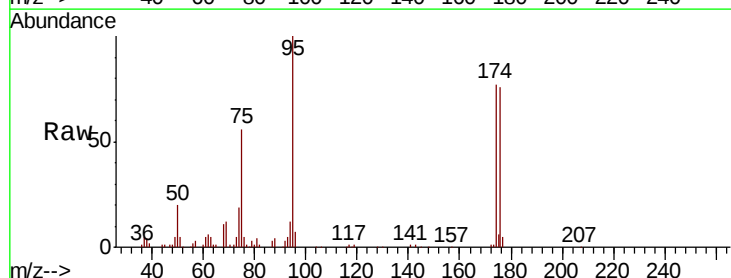
Instrument :
MSVOA_N
ClientSampleId :
S39-TB-2020-1

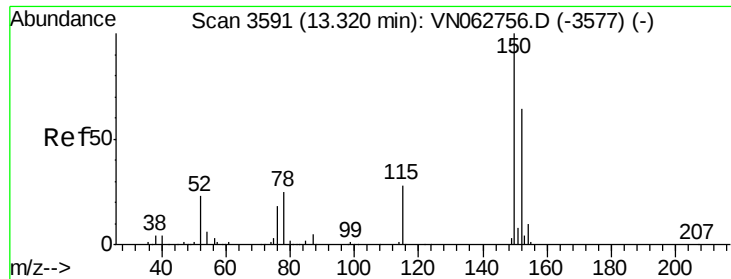
Tot Ion:117 Resp: 217594
Ion Ratio Lower Upper
117 100
82 59.9 49.0 73.4
119 32.1 26.2 39.2



#71
Bromoform
Concen: 0.675 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN062912.D
Acq: 13 Aug 2020 15:39

Tgt Ion:173 Resp: 1009
Ion Ratio Lower Upper
173 100
175 496.8 24.0 72.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-1

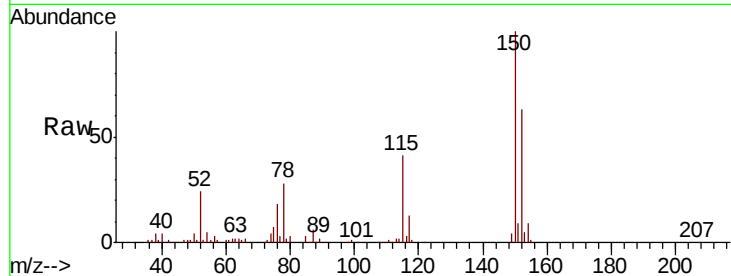
Tot Ion:152 Resp: 82586

Ion Ratio Lower Upper

152 100

115 63.7 31.6 94.8

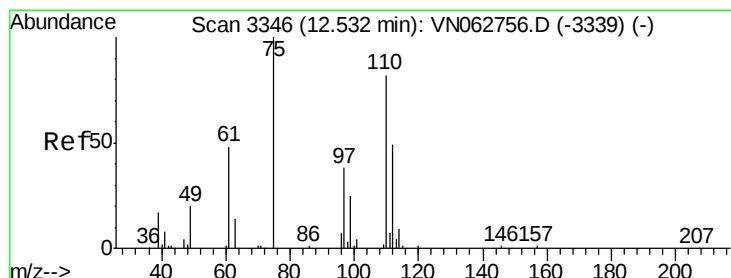
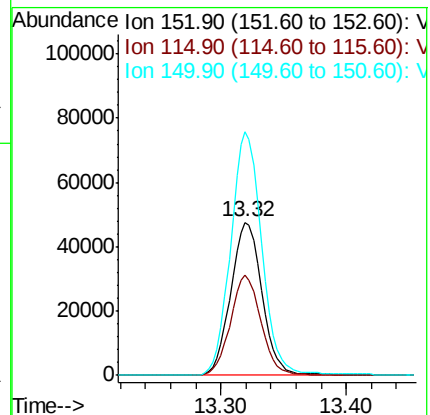
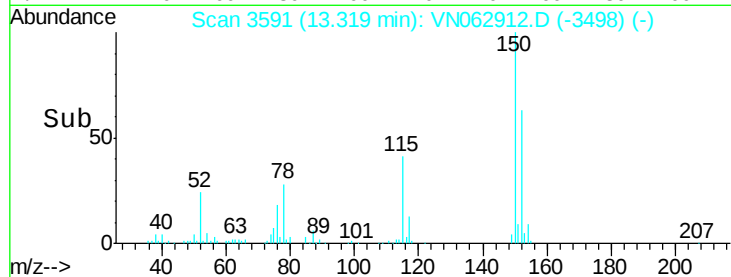
150 157.8 0.0 349.2



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: 25.361 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062912.D

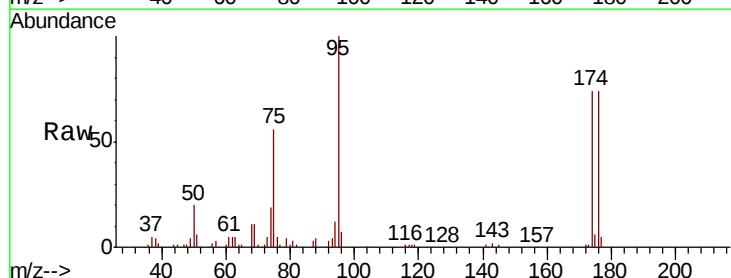
Acq: 13 Aug 2020 15:39

Tgt Ion: 75 Resp: 56485

Ion Ratio Lower Upper

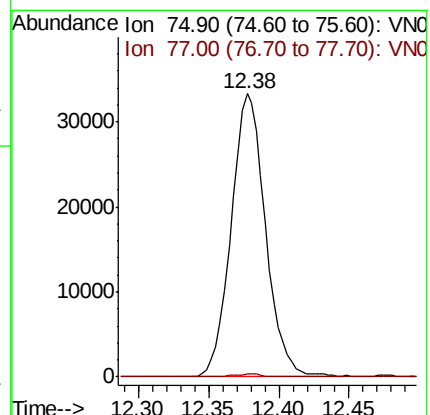
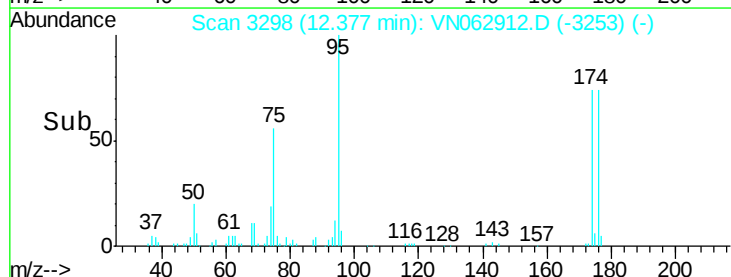
75 100

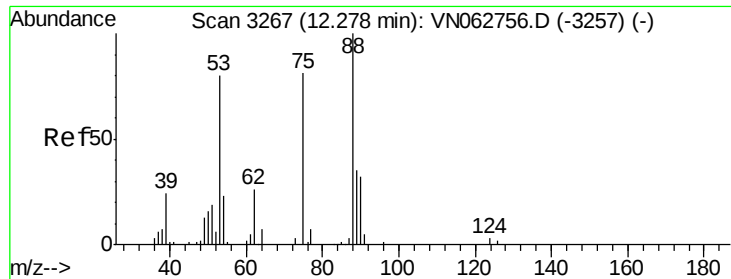
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 77.420 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062912.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

S39-TB-2020-1

Tot Ion: 75 Resp: 56485

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#

