

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063752.D
 Acq On : 30 Sep 2020 16:20
 Operator : JC/MD
 Sample : L4173-01
 Misc : 2.44µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-1-(3FT)

Quant Time: Oct 01 02:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	219496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	196198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	181663	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.55	113	128991	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
50) Toluene-d8	10.06	98	516903	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.38	95	216576	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

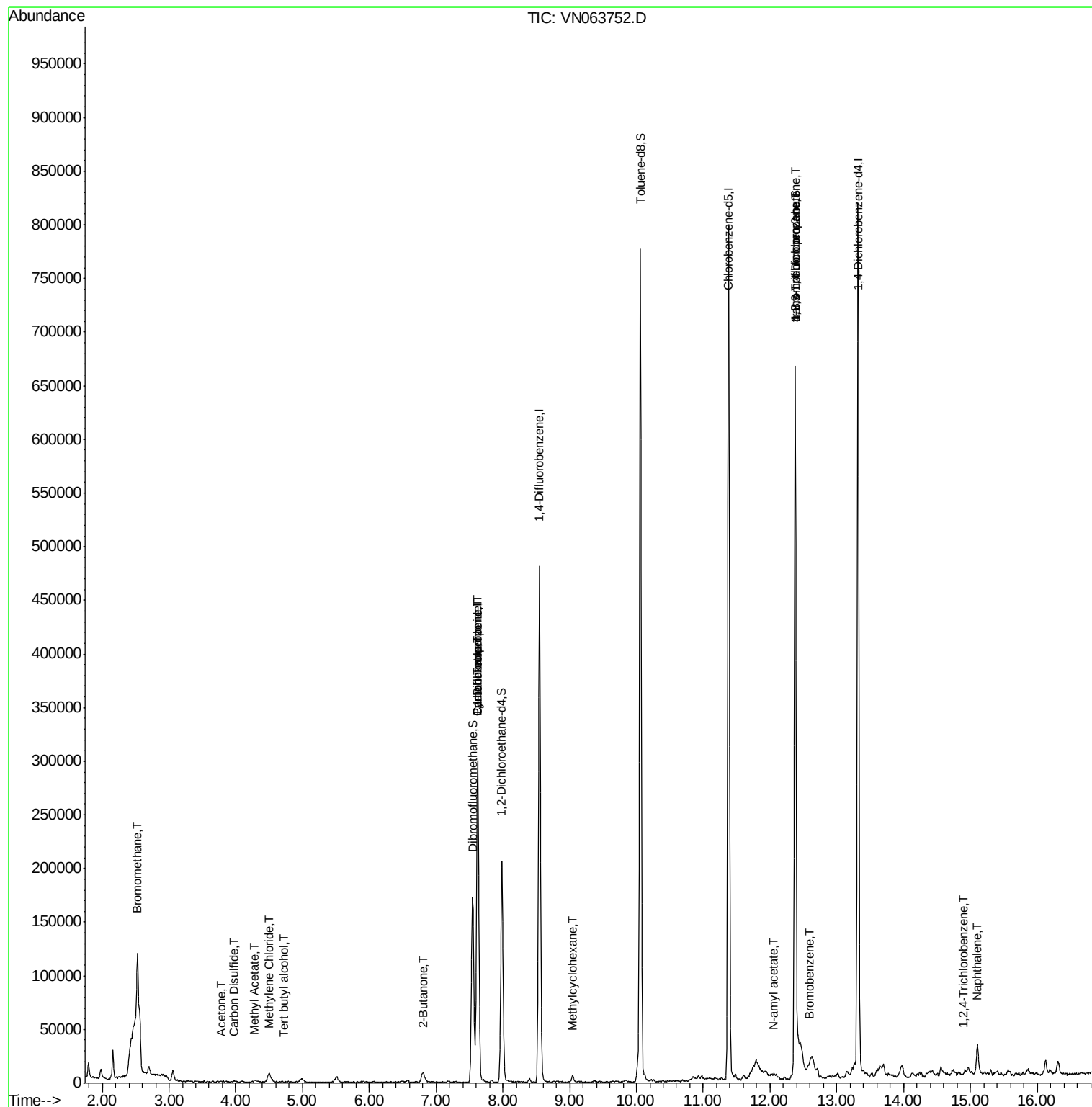
						Qvalue
5) Bromomethane	2.51	94	459	0.268	ug/l	82
11) Tert butyl alcohol	4.72	59	140	0.350	ug/l #	71
16) Acetone	3.78	43	978	0.876	ug/l #	47
17) Carbon Disulfide	3.99	76	2009	1.032	ug/l #	76
18) Methyl Acetate	4.29	43	2621	0.904	ug/l #	88
20) Methylene Chloride	4.50	84	4509	1.858	ug/l #	79
25) 2-Butanone	6.79	43	2213	1.398	ug/l #	87
31) Cyclohexane	7.62	56	7297	1.733	ug/l #	11
36) 1,1-Dichloropropene	7.62	75	20480	4.991	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24481	5.321	ug/l #	15
39) Methylcyclohexane	9.05	83	2377	0.581	ug/l #	85
74) N-amyl acetate	12.05	43	190	2.243	ug/l #	77
76) 1,2,3-Trichloropropane	12.38	75	125096	28.924	ug/l #	100
77) Bromobenzene	12.58	156	1567	0.446	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	125096	83.306	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.89	180	29	1.745	ug/l #	1
95) Naphthalene	15.11	128	21523	3.879	ug/l #	93

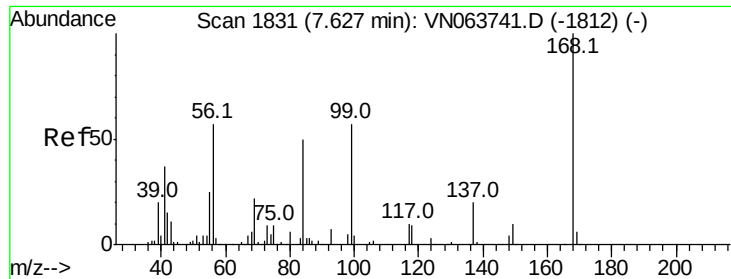
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

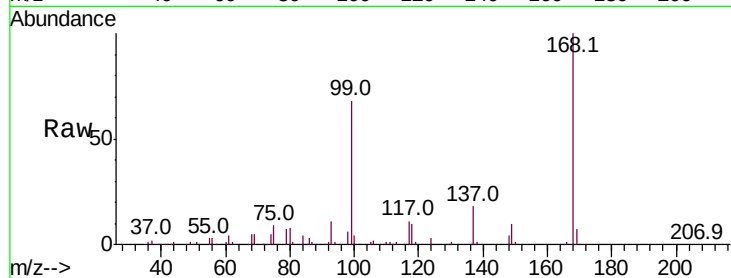
TP-1-(3FT)

Tot Ion:168 Resp: 219496

Ion Ratio Lower Upper

168 100

99 67.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

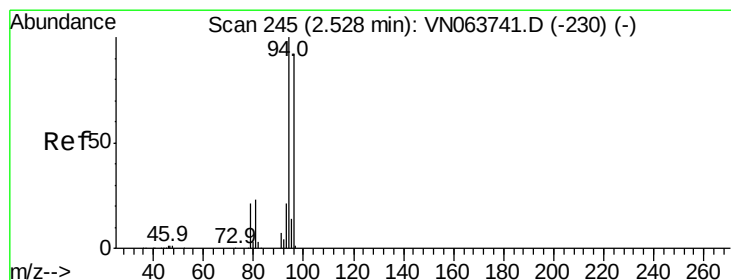
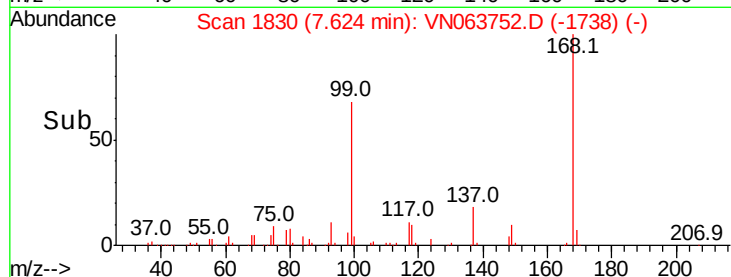
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.268 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN063752.D

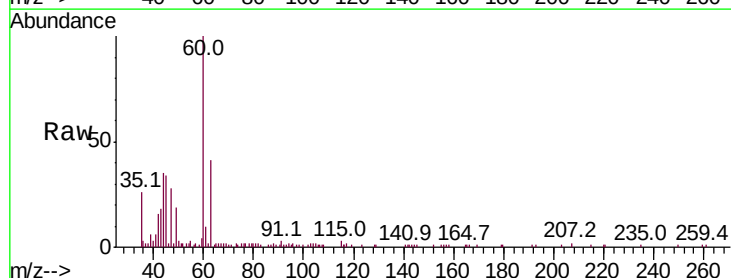
Acq: 30 Sep 2020 16:20

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

94 100

96 74.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.51

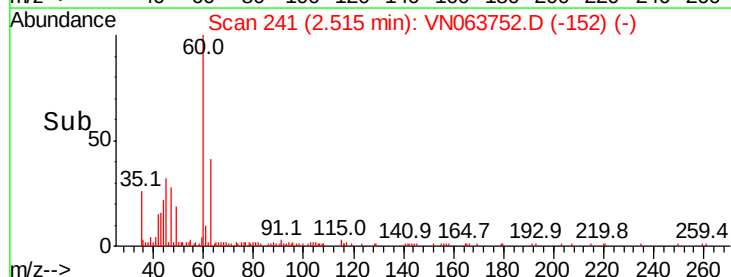
600

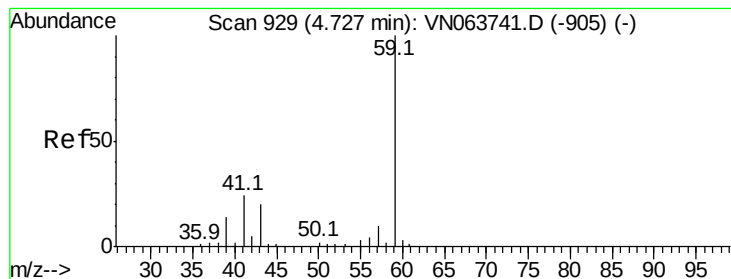
400

200

0

Time--> 2.50 2.51 2.52 2.53 2.54



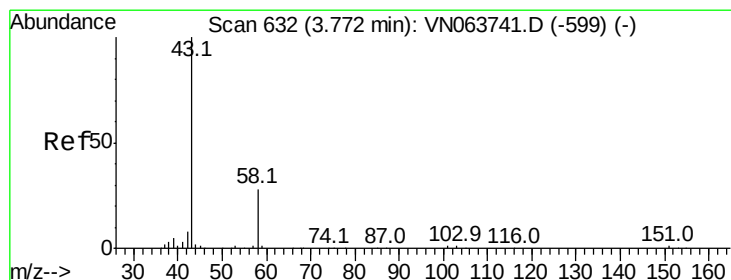
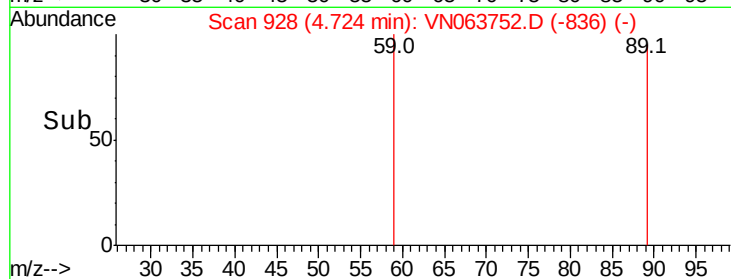
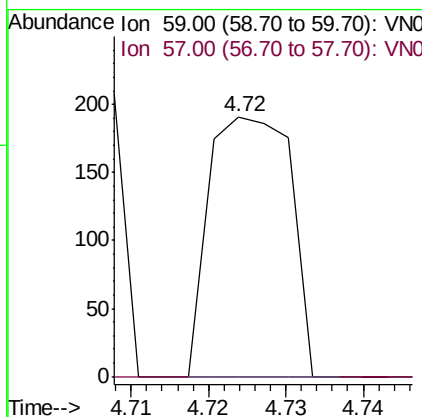
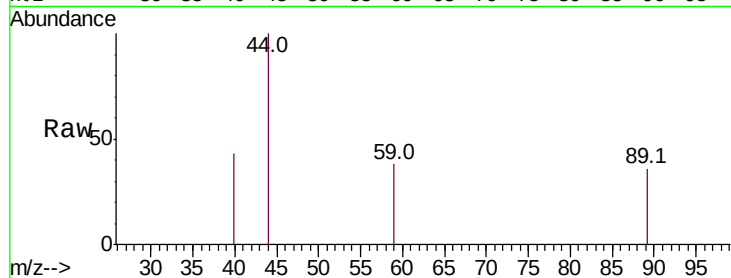


#11

Tert butyl alcohol
 Concen: 0.350 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN063752.D
 Acq: 30 Sep 2020 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 TP-1-(3FT)

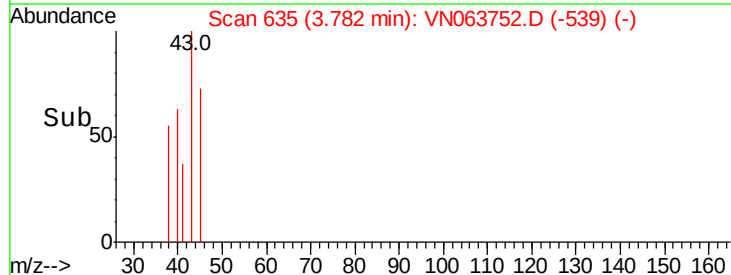
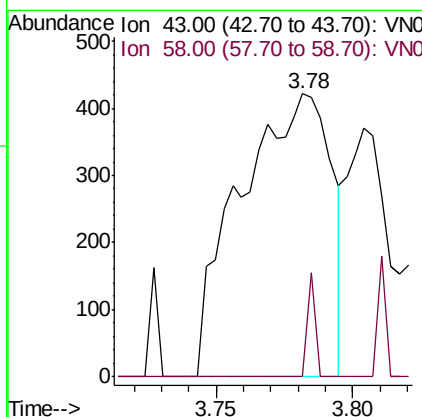
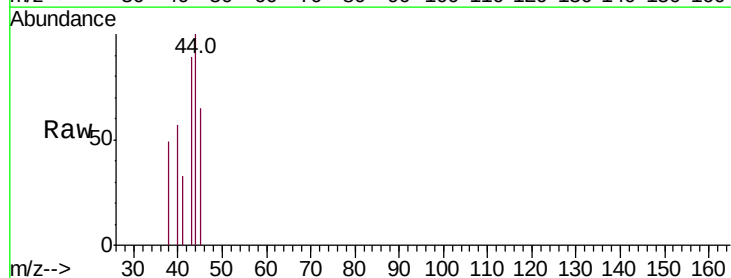
Tot Ion: 59 Resp: 140
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

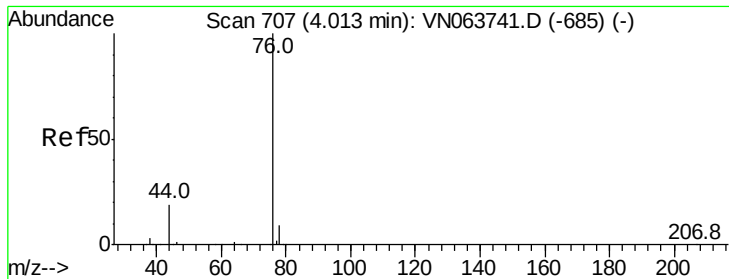


#16

Acetone
 Concen: 0.876 ug/l
 RT: 3.78 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VN063752.D
 Acq: 30 Sep 2020 16:20

Tgt Ion: 43 Resp: 978
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.3 33.5#

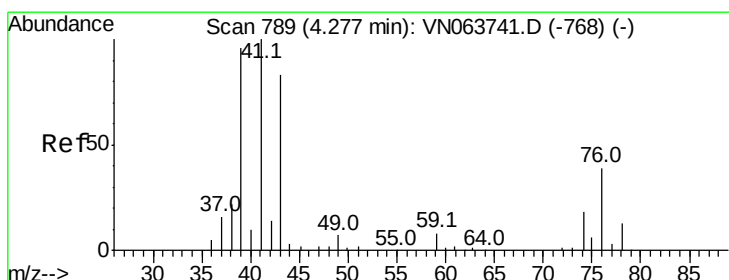
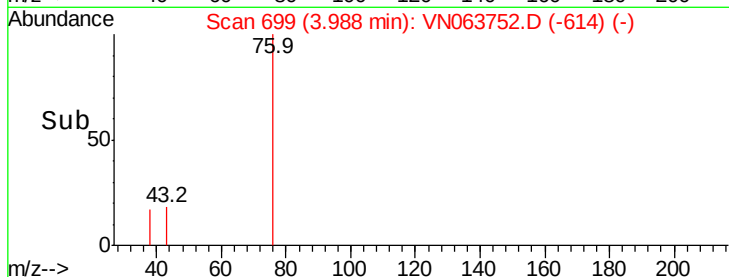
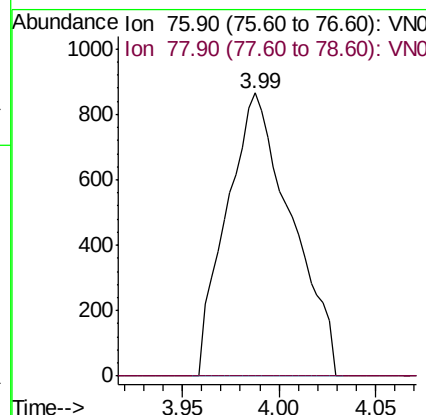
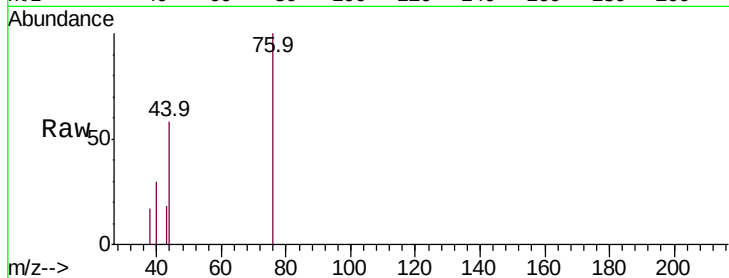




#17
Carbon Disulfide
Concen: 1.032 ug/l
RT: 3.99 min Scan# 699
Delta R.T. -0.03 min
Lab File: VN063752.D
Acq: 30 Sep 2020 16:20

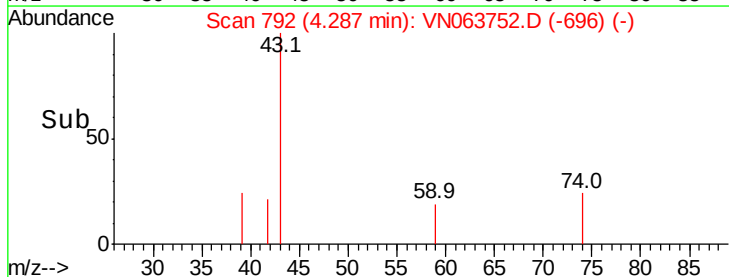
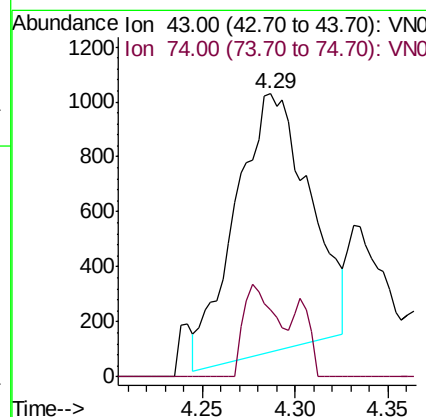
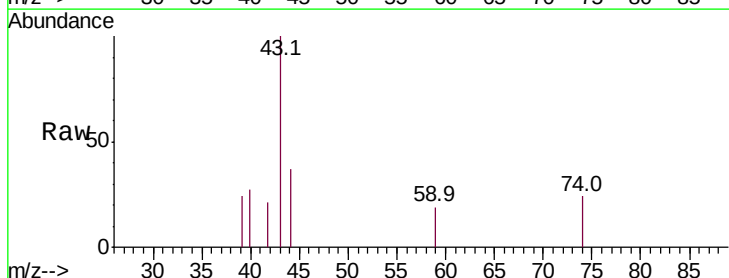
Instrument :
MSVOA_N
ClientSampleId :
TP-1-(3FT)

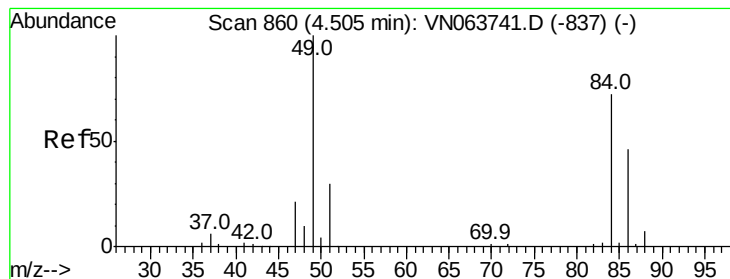
Tot Ion: 76 Resp: 2009
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.904 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063752.D
Acq: 30 Sep 2020 16:20

Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
74 16.0 17.4 26.2#





#20

Methvlene Chloride

Concen: 1.858 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.01 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

Tot Ion: 84 Resp: 4509

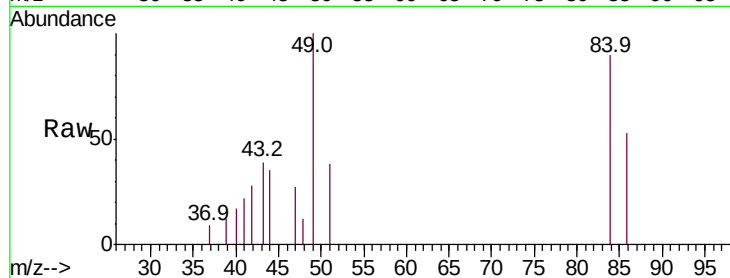
Ion Ratio Lower Upper

84 100

49 96.6 110.4 165.6#

51 42.6 33.3 49.9

86 59.5 50.7 76.1

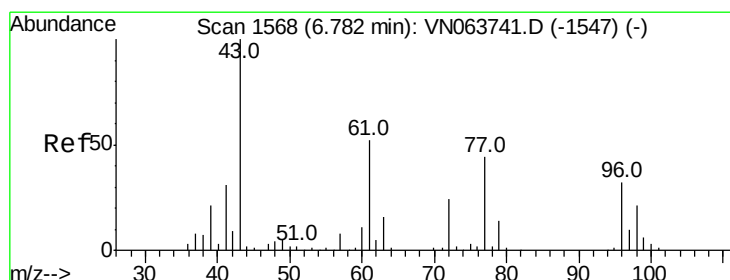
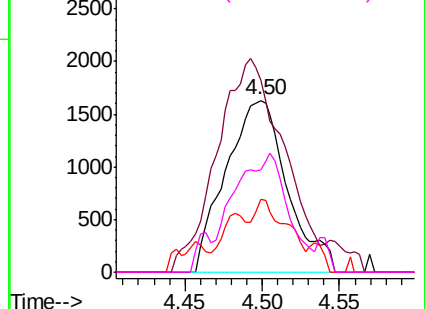
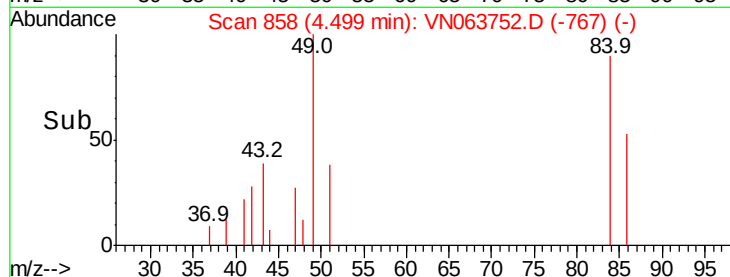


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#25

2-Butanone

Concen: 1.398 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063752.D

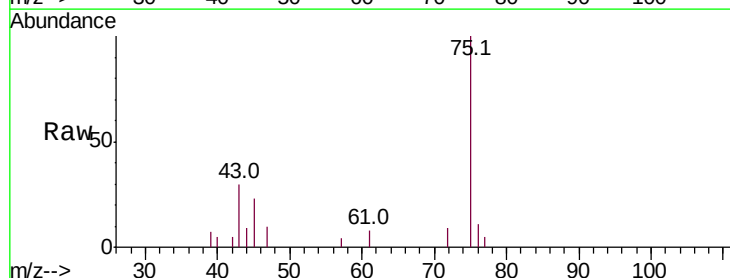
Acq: 30 Sep 2020 16:20

Tgt Ion: 43 Resp: 2213

Ion Ratio Lower Upper

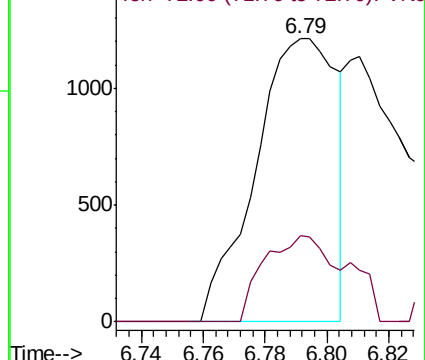
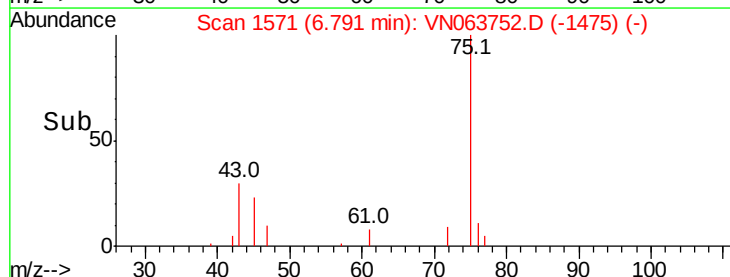
43 100

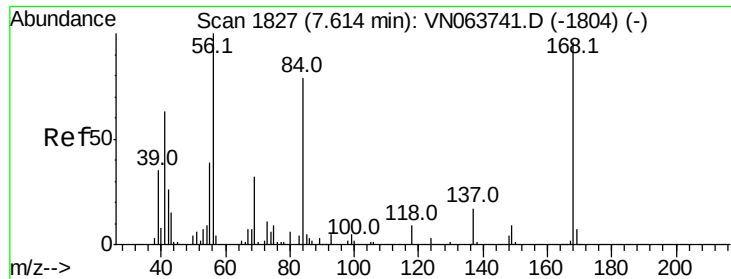
72 30.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.733 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

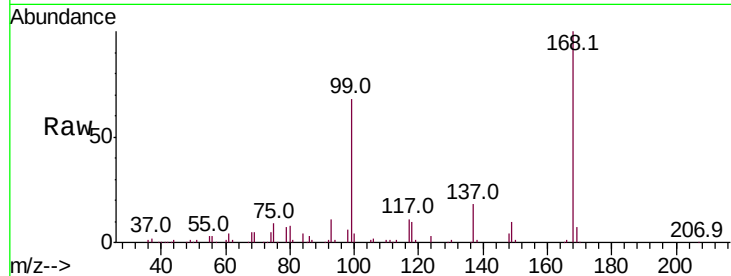
Tot Ion: 56 Resp: 7297

Ion Ratio Lower Upper

56 100

69 149.1 25.4 38.2#

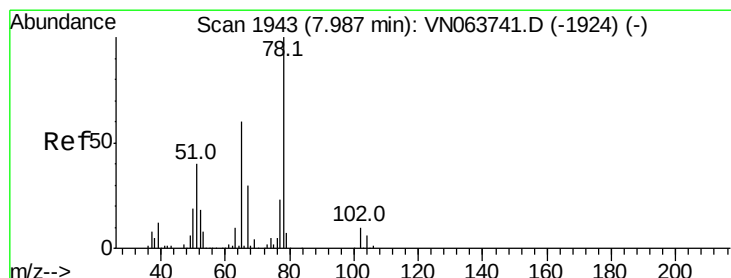
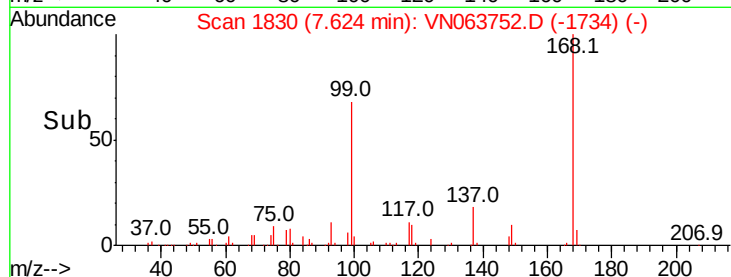
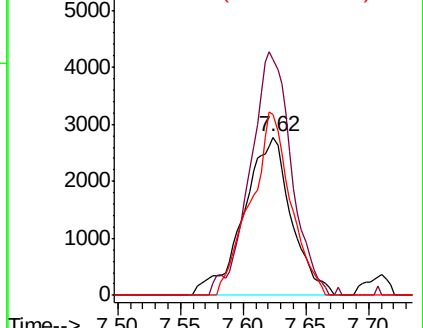
84 114.7 63.3 94.9#



Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN063741.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN063741.D (-1804) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.097 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063752.D

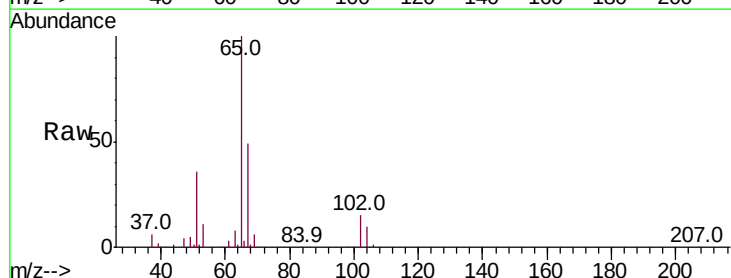
Acq: 30 Sep 2020 16:20

Tgt Ion: 65 Resp: 181663

Ion Ratio Lower Upper

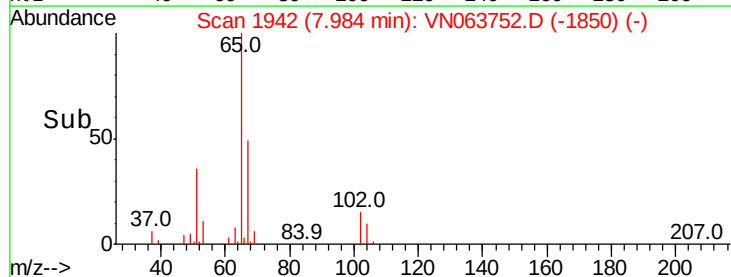
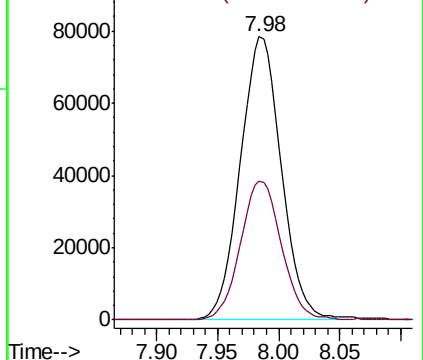
65 100

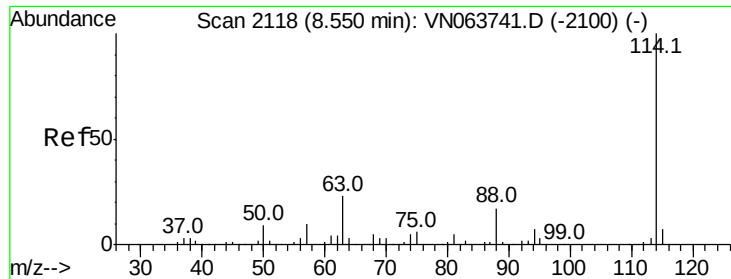
67 49.2 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063741.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063741.D (-1924) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampled :

TP-1-(3FT)

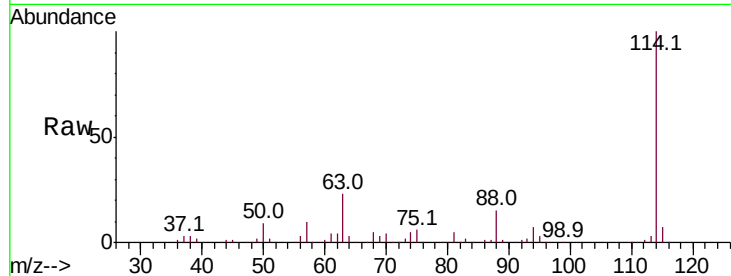
Tot Ion:114 Resp: 405013

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

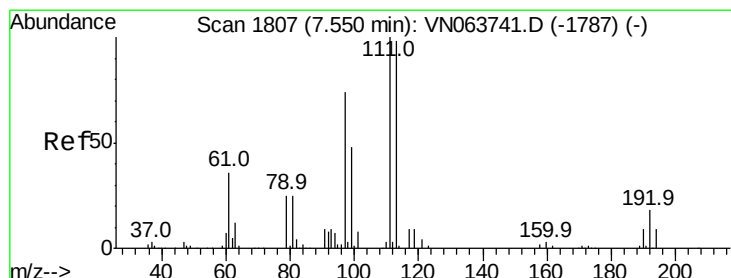
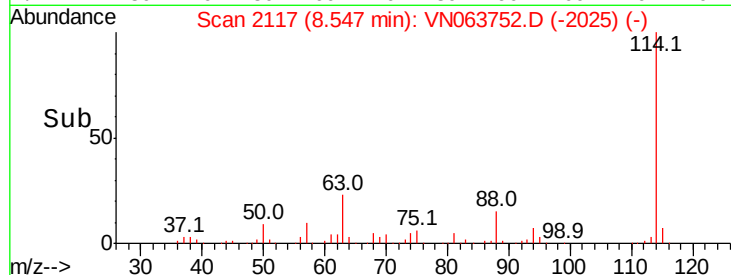
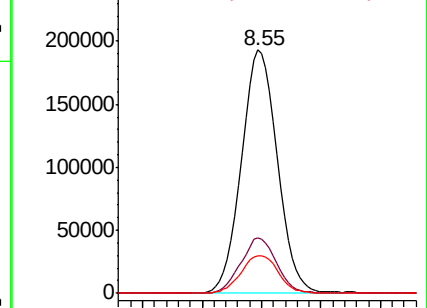
88 15.2 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.900 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

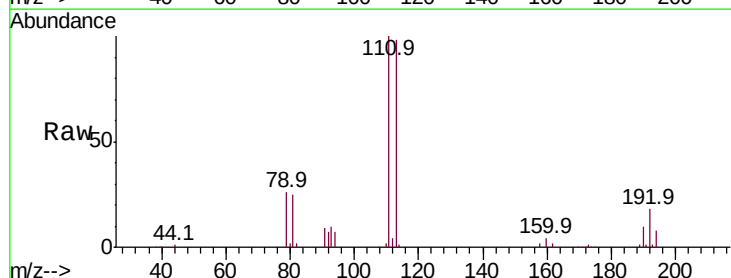
Tgt Ion:113 Resp: 128991

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

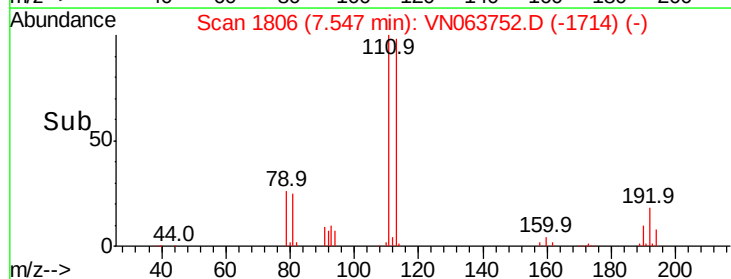
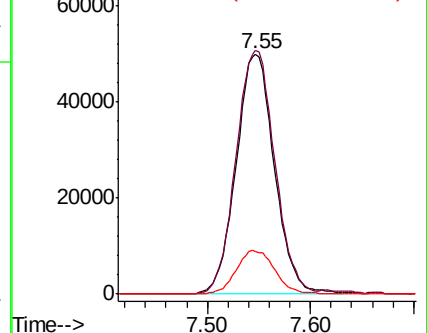
192 18.4 14.2 21.2

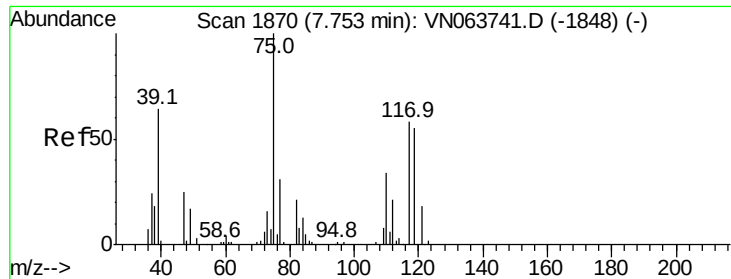


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

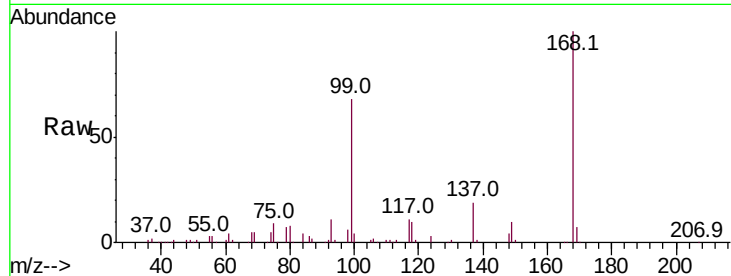
Tot Ion: 75 Resp: 20480

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

77 0.0 24.5 36.7#

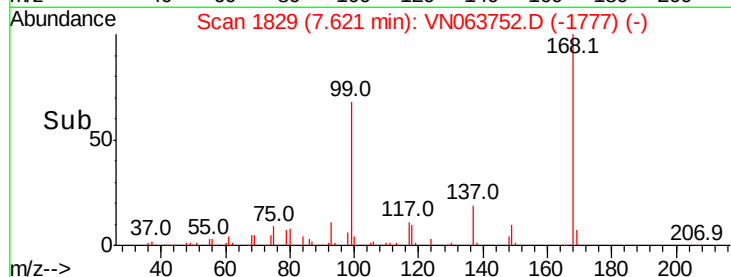


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063741.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063741.D (-1848) (-)

Time-->

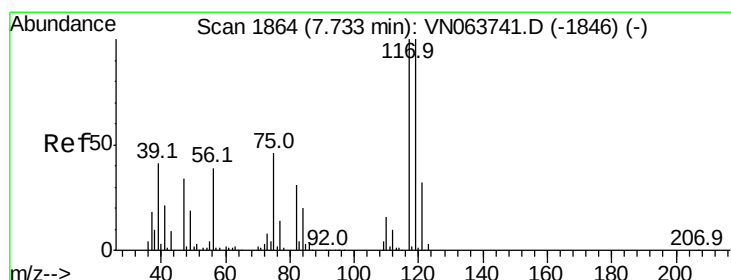


Abundance Ion 74.90 (74.60 to 75.60): VN063752.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063752.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063752.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

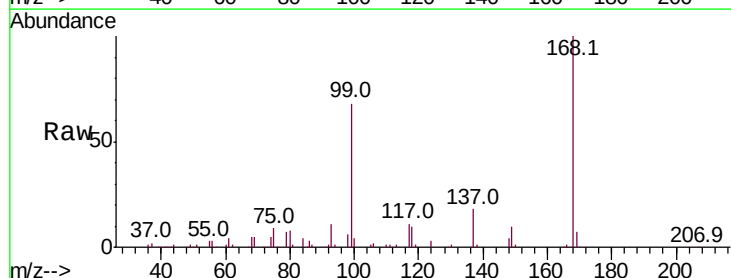
Tgt Ion: 117 Resp: 24481

Ion Ratio Lower Upper

117 100

119 6.7 80.1 120.1#

121 0.0 25.7 38.5#

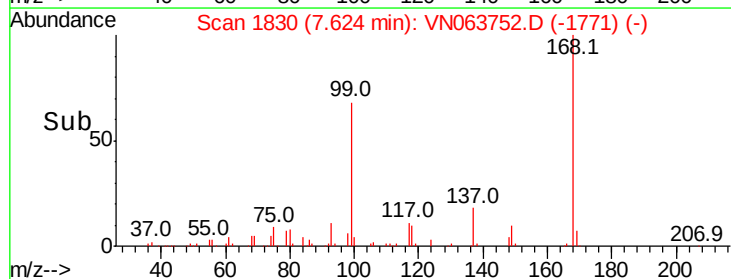


Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)

Ion 118.80 (118.50 to 119.50): VN063741.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN063741.D (-1846) (-)

Time-->

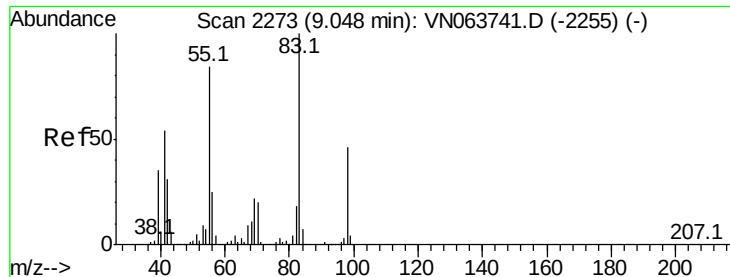


Abundance Ion 116.80 (116.50 to 117.50): VN063752.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063752.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063752.D (-1771) (-)

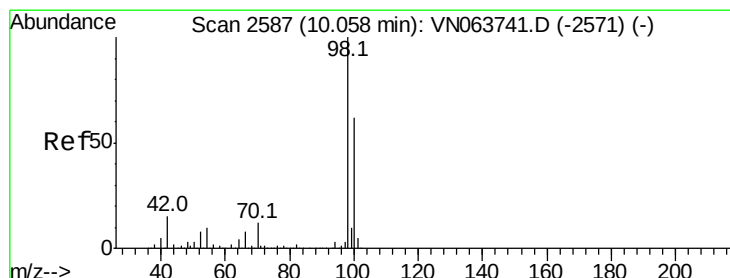
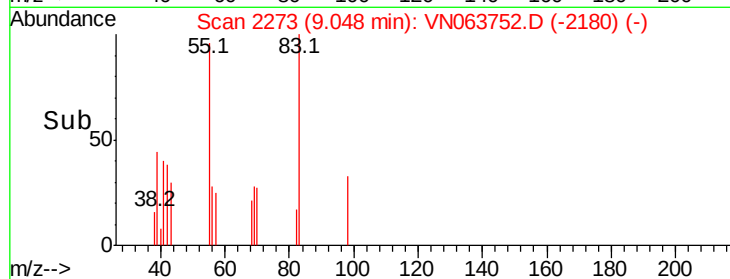
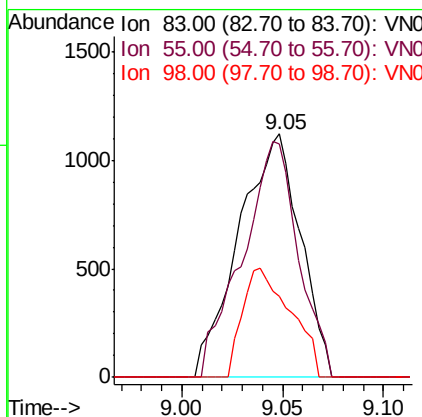
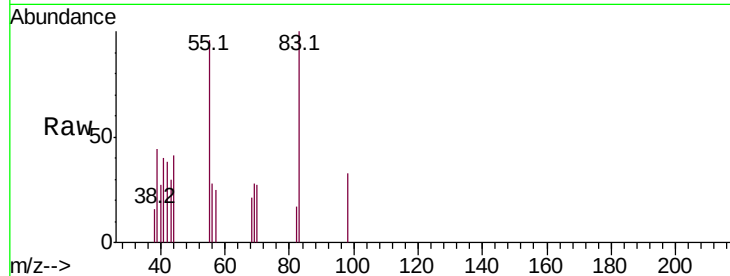
Time-->



#39
Methylvlcyclohexane
Concen: 0.581 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063752.D
Acq: 30 Sep 2020 16:20

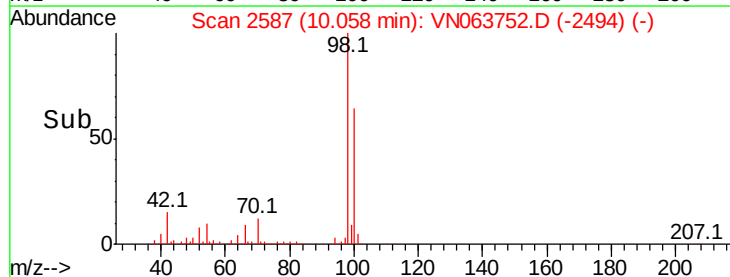
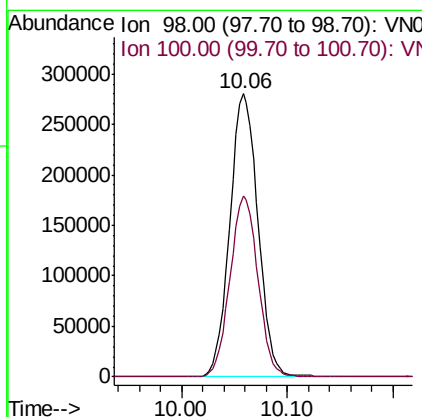
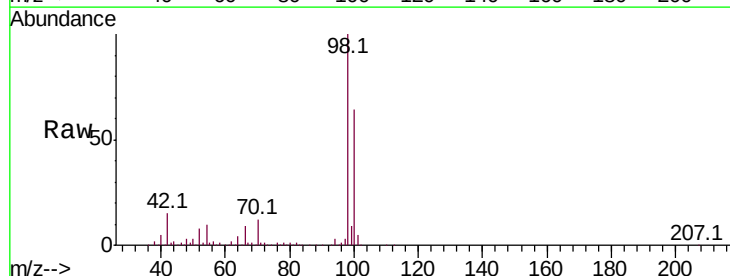
Instrument :
MSVOA_N
ClientSampleId :
TP-1-(3FT)

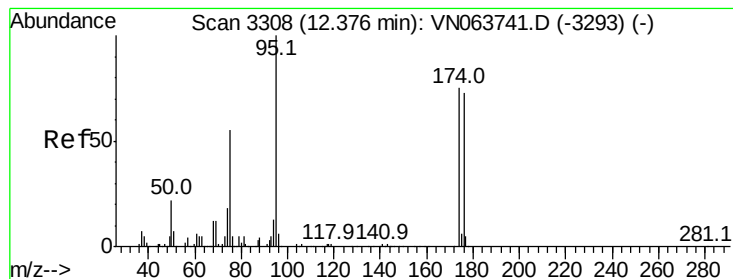
Tot Ion: 83 Resp: 2377
Ion Ratio Lower Upper
83 100
55 96.1 67.1 100.7
98 33.1 36.6 54.8#



#50
Toluene-d8
Concen: 48.520 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063752.D
Acq: 30 Sep 2020 16:20

Tgt Ion: 98 Resp: 516903
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.6





#62

4-Bromofluorobenzene

Concen: 54.080 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

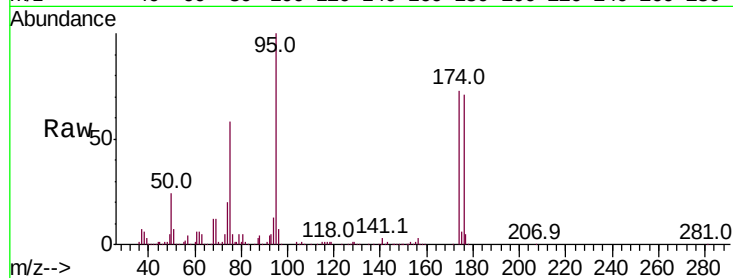
Tot Ion: 95 Resp: 216576

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.6

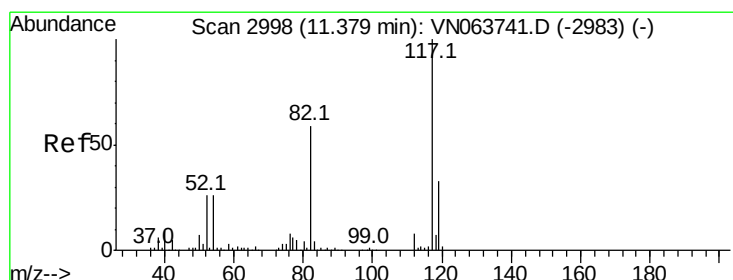
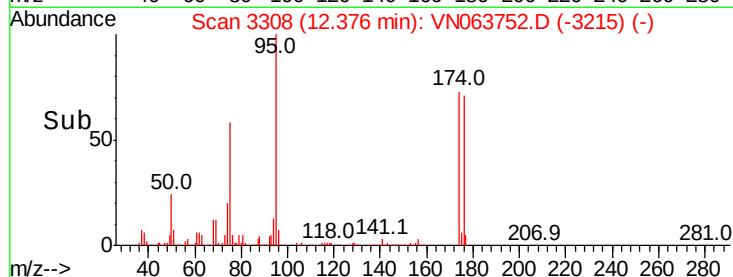
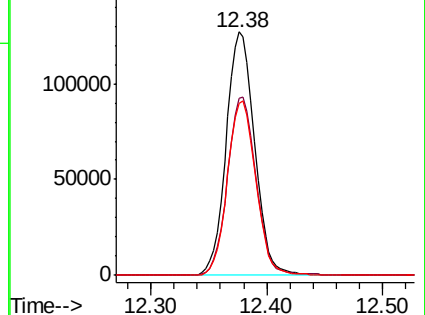
176 71.5 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

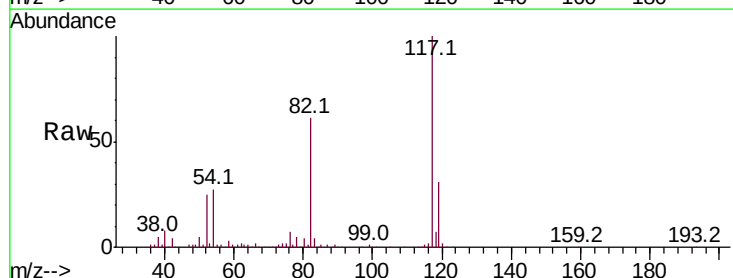
Tgt Ion: 117 Resp: 411587

Ion Ratio Lower Upper

117 100

82 61.2 47.4 71.2

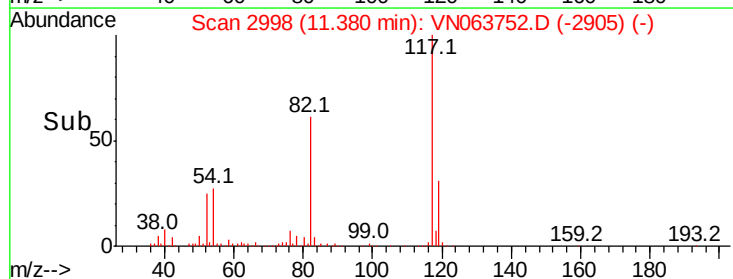
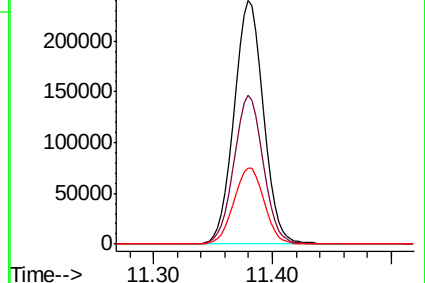
119 31.4 26.4 39.6

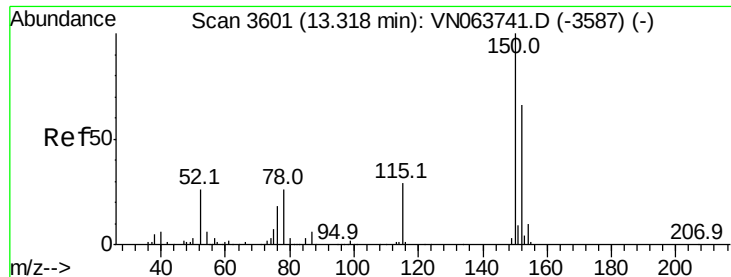


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

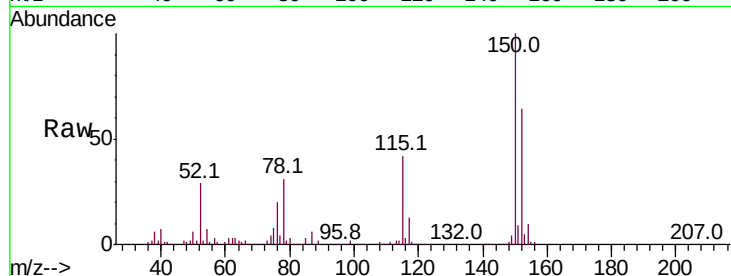
Tot Ion:152 Resp: 196198

Ion Ratio Lower Upper

152 100

115 63.5 31.3 93.8

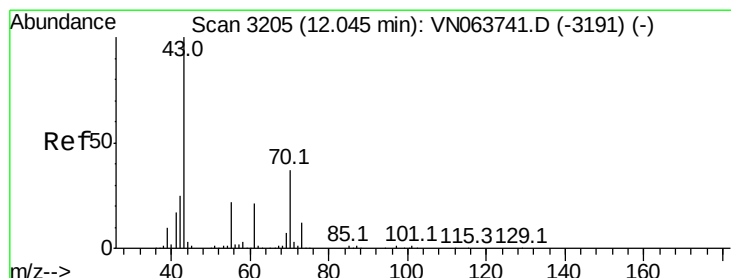
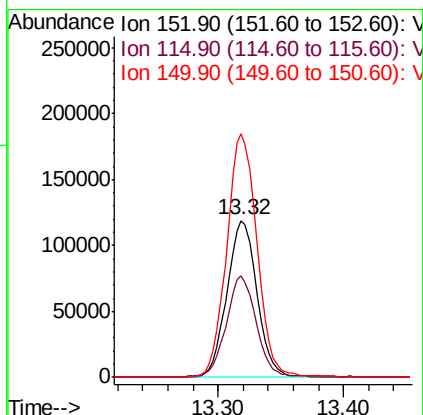
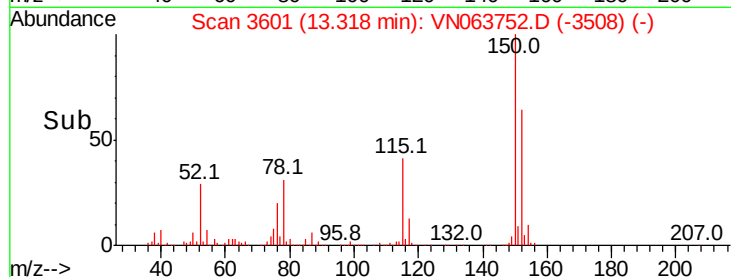
150 158.3 0.0 341.8



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



#74

N-ethyl acetate

Concen: 2.243 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Tgt Ion: 43 Resp: 190

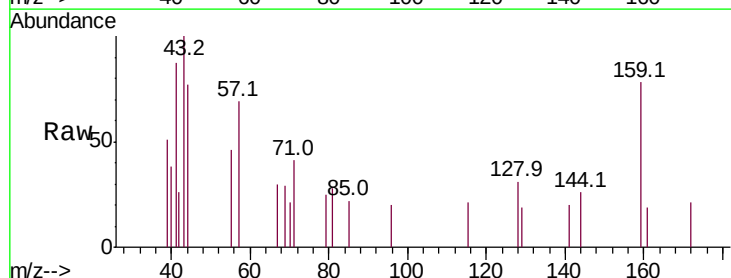
Ion Ratio Lower Upper

43 100

70 32.1 29.8 44.8

55 35.3 17.9 26.9#

61 0.0 17.0 25.4#

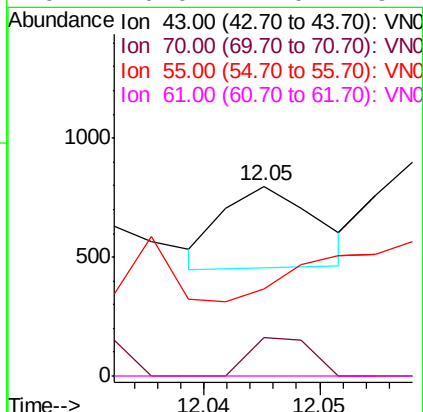
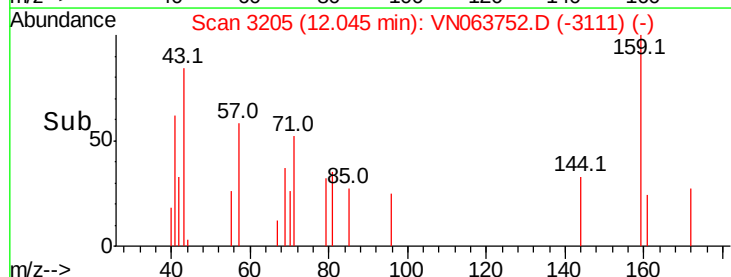


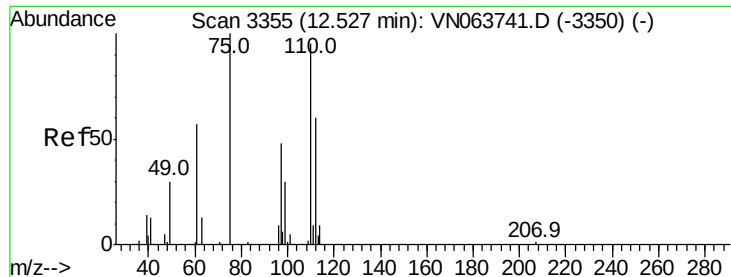
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 28.924 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampled :

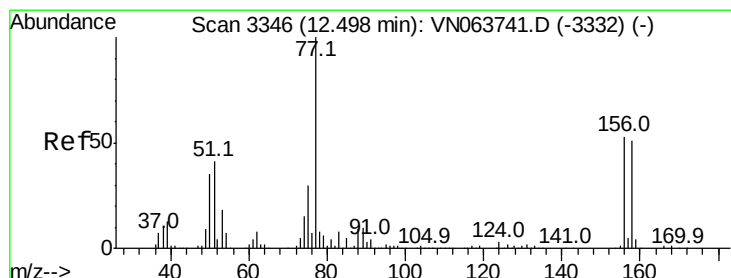
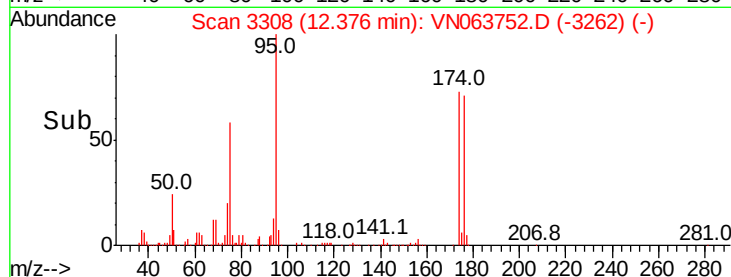
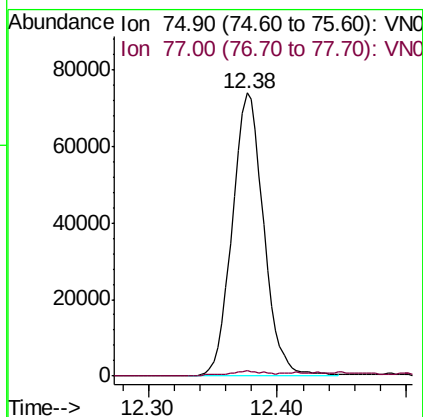
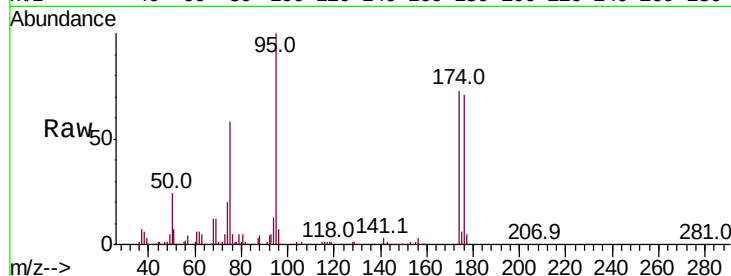
TP-1-(3FT)

Tot Ion: 75 Resp: 125096

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#77

Bromobenzene

Concen: 0.446 ug/l

RT: 12.58 min Scan# 3370

Delta R.T. 0.08 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

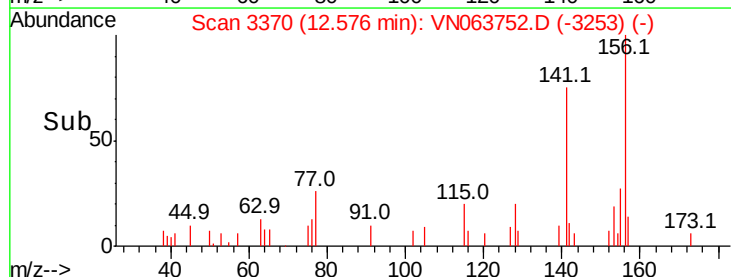
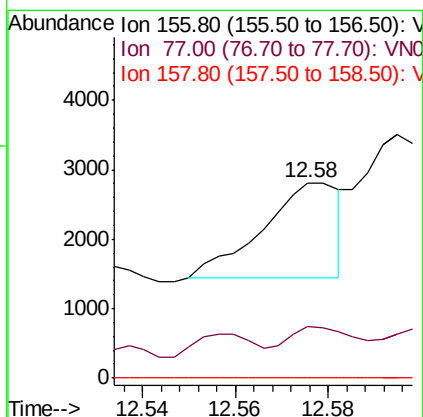
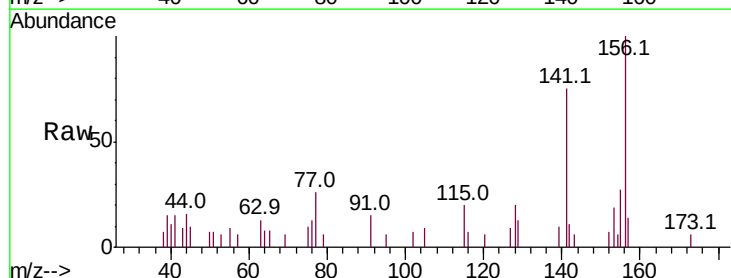
Tgt Ion: 156 Resp: 1567

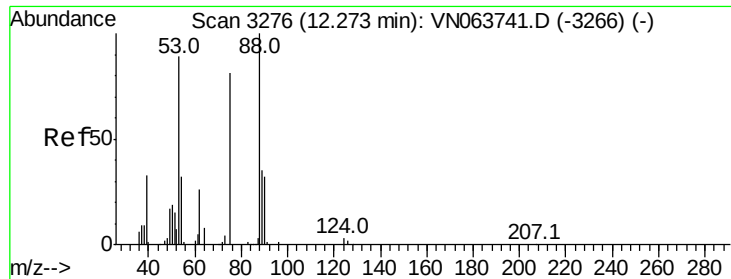
Ion Ratio Lower Upper

156 100

77 32.5 110.9 332.7#

158 0.0 47.7 143.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 83.306 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

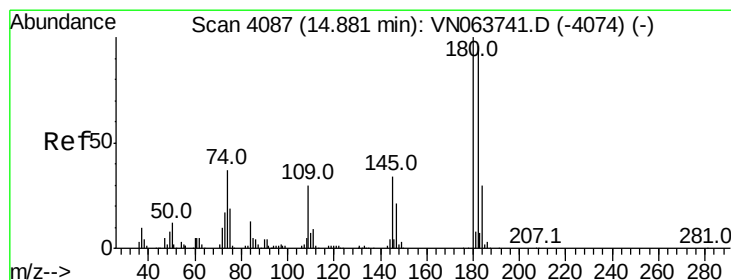
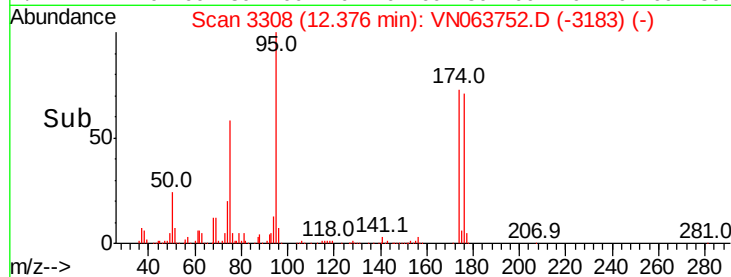
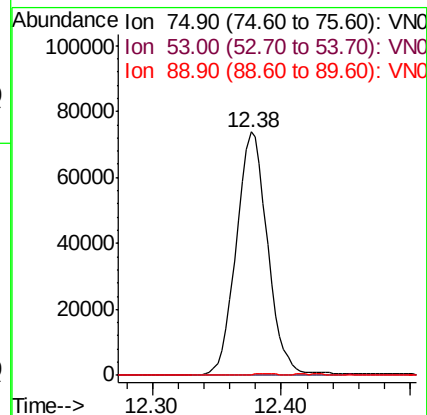
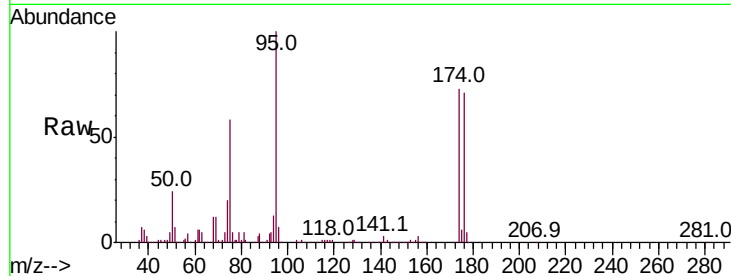
Tot Ion: 75 Resp: 125096

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.2 36.0 54.0#



#93

1,2,4-Trichlorobenzene

Concen: 1.745 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

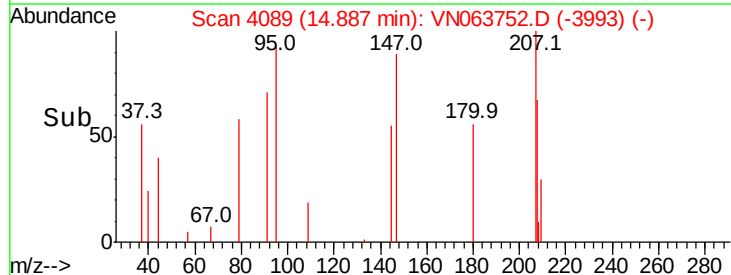
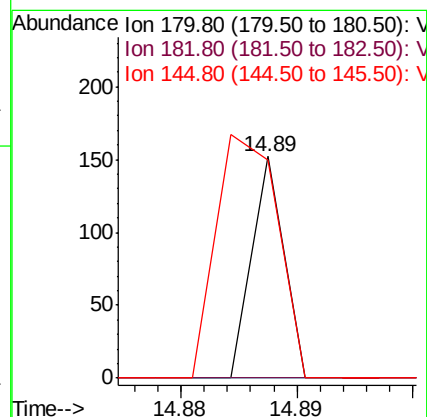
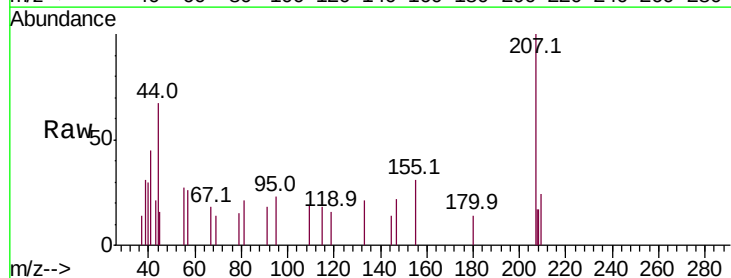
Tgt Ion: 180 Resp: 29

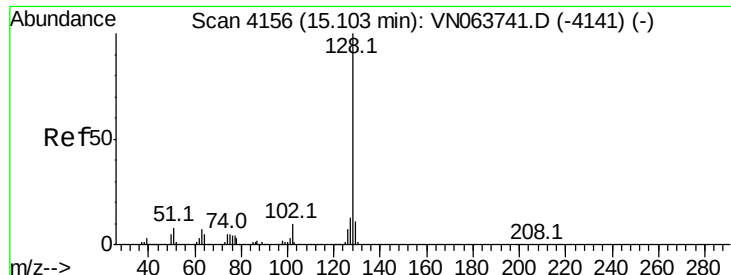
Ion Ratio Lower Upper

180 100

182 0.0 48.2 144.6#

145 210.3 17.1 51.2#





#95

Naphthalene

Concen: 3.879 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063752.D

Acq: 30 Sep 2020 16:20

Instrument :

MSVOA_N

ClientSampleId :

TP-1-(3FT)

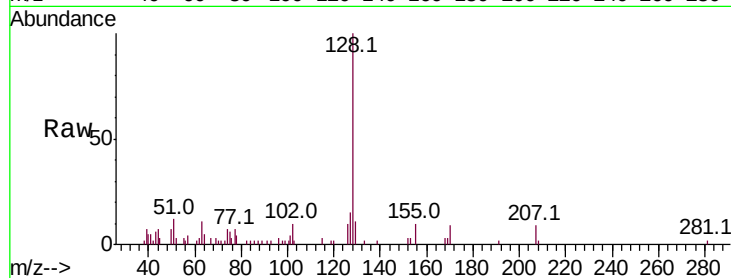
Tot Ion:128 Resp: 21523

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

129 7.0 8.7 13.1#



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

