

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063753.D
 Acq On : 30 Sep 2020 16:43
 Operator : JC/MD
 Sample : L4173-05
 Misc : 7.18g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-(3FT)

Quant Time: Oct 01 02:15:07 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

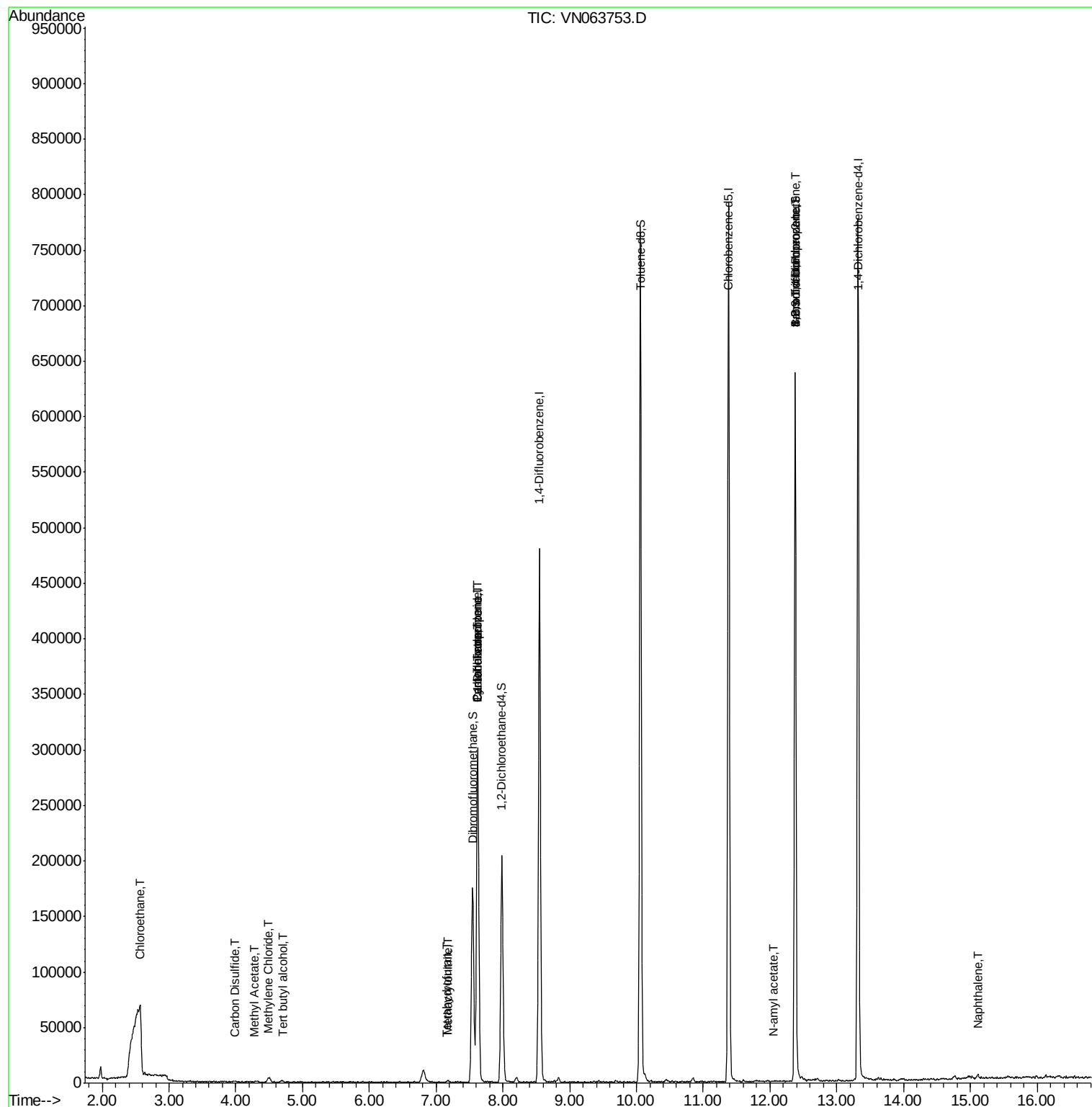
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	223497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191441	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	181356	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
35) Dibromofluoromethane	7.55	113	130000	46.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.82%	
50) Toluene-d8	10.06	98	515285	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.38	95	212768	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.57	64	655	0.395	ug/l #	2
11) Tert butyl alcohol	4.71	59	232	0.569	ug/l #	71
17) Carbon Disulfide	3.98	76	761	0.824	ug/l #	76
18) Methyl Acetate	4.28	43	766	0.260	ug/l #	73
20) Methylene Chloride	4.48	84	1393	0.632	ug/l #	77
29) Tetrahydrofuran	7.15	42	370	0.342	ug/l #	70
31) Cyclohexane	7.62	56	6174	1.440	ug/l #	34
36) 1,1-Dichloropropene	7.62	75	19989	4.888	ug/l #	46
38) Carbon Tetrachloride	7.62	117	25386	5.536	ug/l #	14
41) Methacrylonitrile	7.18	41	626	0.347	ug/l #	26
71) Bromoform	12.38	173	955	0.385	ug/l #	1
74) N-amyl acetate	12.05	43	119	2.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	119329	28.276	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119329	81.440	ug/l #	6
95) Naphthalene	15.11	128	3350	2.236	ug/l #	93

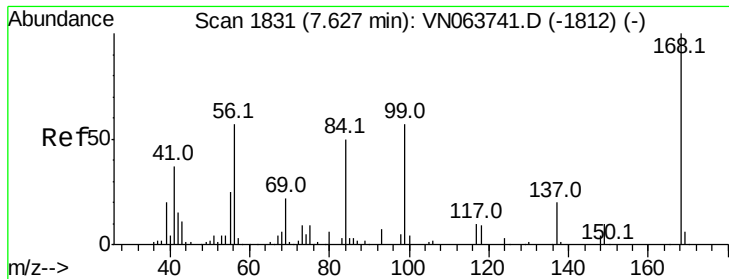
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

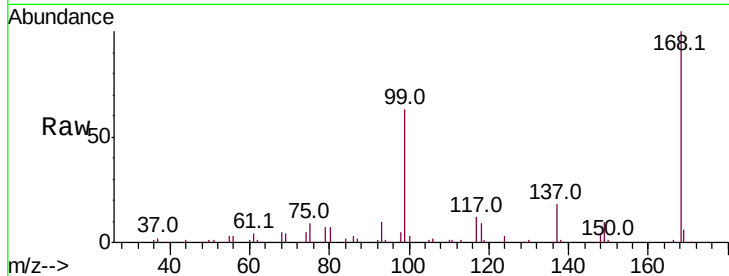
TP-2-(3FT)

Tot Ion:168 Resp: 223497

Ion Ratio Lower Upper

168 100

99 62.8 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.62

100000

80000

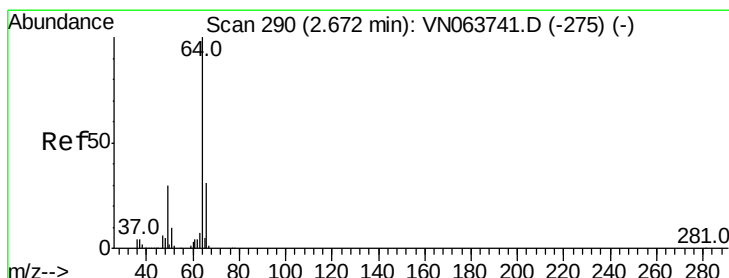
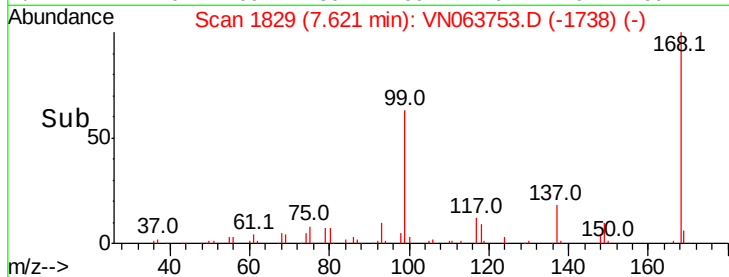
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#6

Chloroethane

Concen: 0.395 ug/l

RT: 2.57 min Scan# 259

Delta R.T. -0.10 min

Lab File: VN063753.D

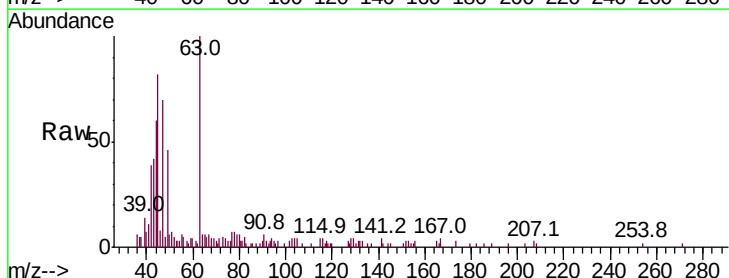
Acq: 30 Sep 2020 16:43

Tgt Ion: 64 Resp: 655

Ion Ratio Lower Upper

64 100

66 85.4 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.57

600

500

400

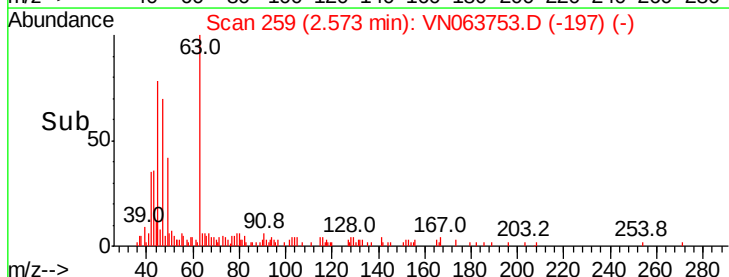
300

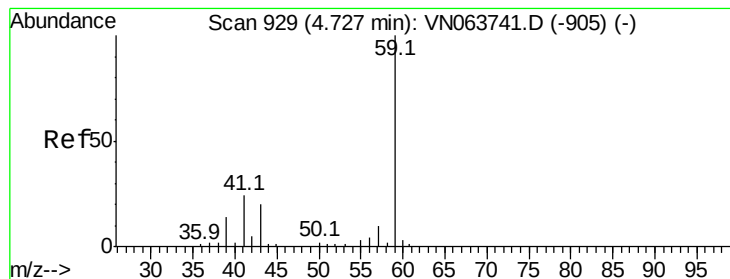
200

100

0

Time--> 2.56 2.58 2.60



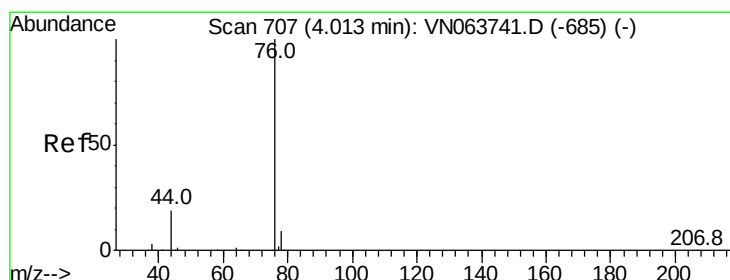
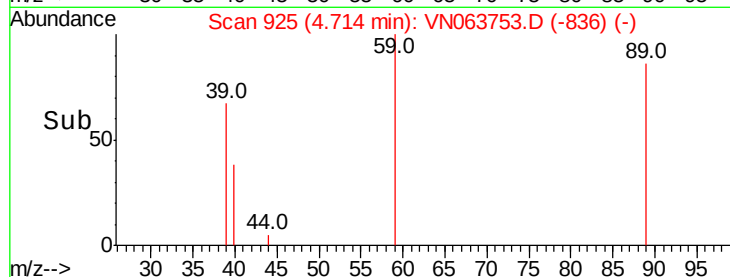
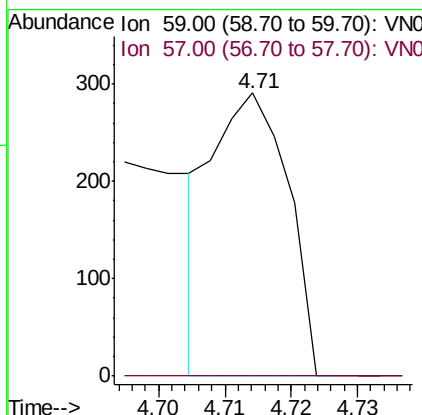
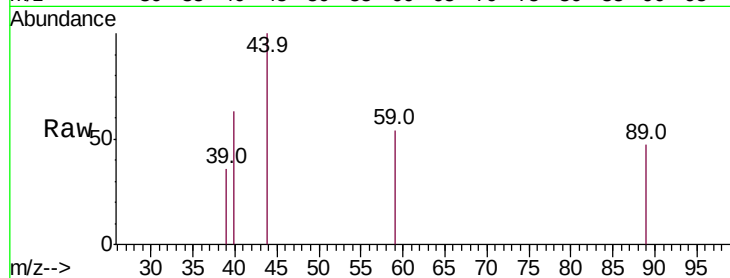


#11

Tert butyl alcohol
 Concen: 0.569 ug/l
 RT: 4.71 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

Instrument :
 MSVOA_N
 ClientSampled :
 TP-2-(3FT)

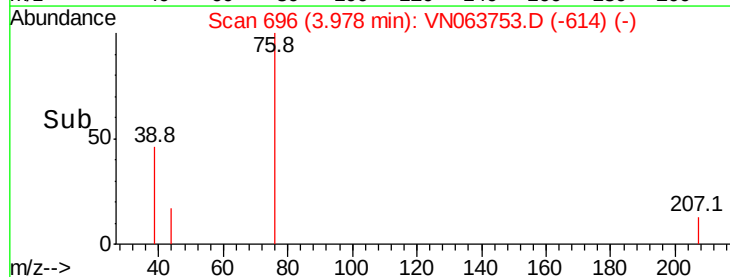
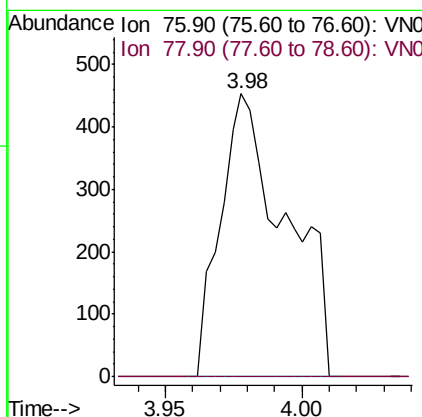
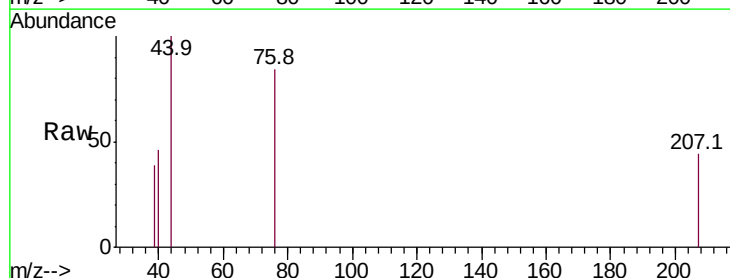
Tot Ion: 59 Resp: 232
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

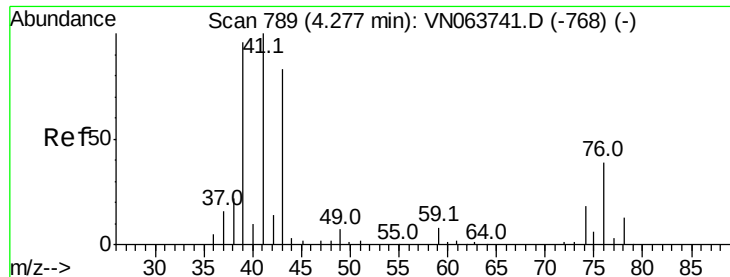


#17

Carbon Disulfide
 Concen: 0.824 ug/l
 RT: 3.98 min Scan# 696
 Delta R.T. -0.04 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

Tgt Ion: 76 Resp: 761
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.0 10.4#

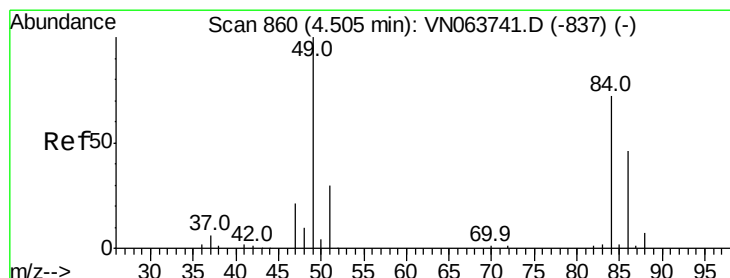
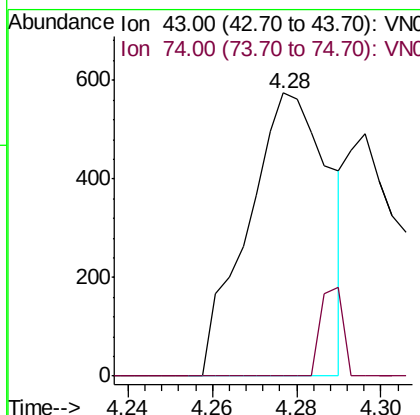
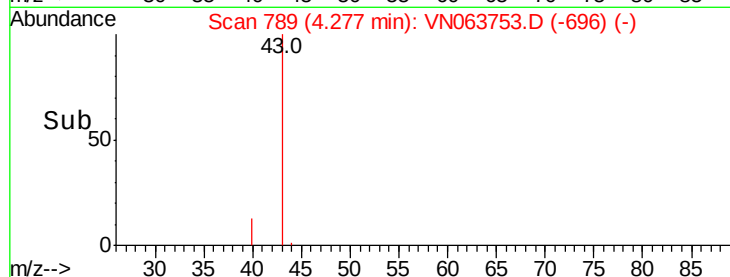
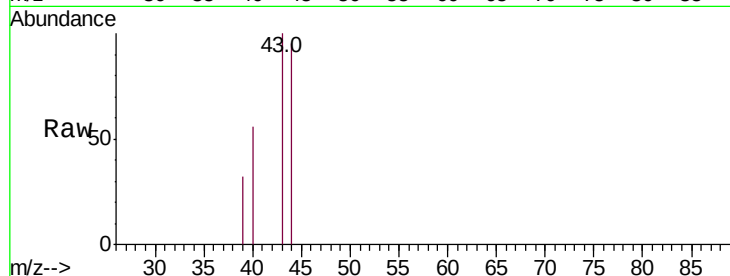




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063753.D
Acq: 30 Sep 2020 16:43

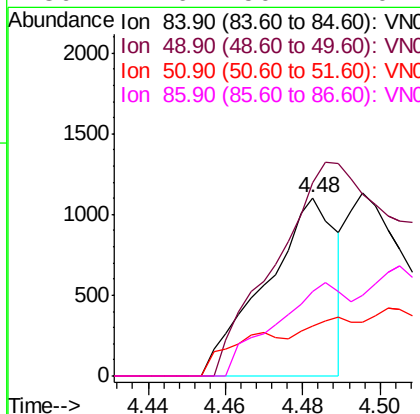
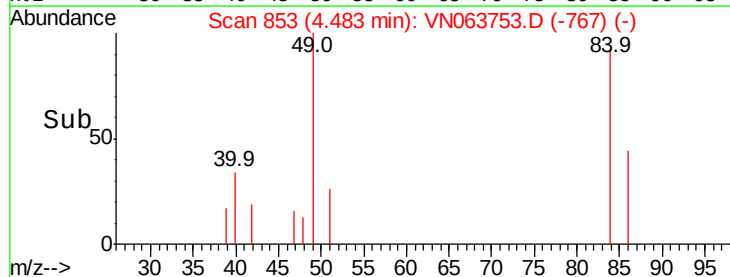
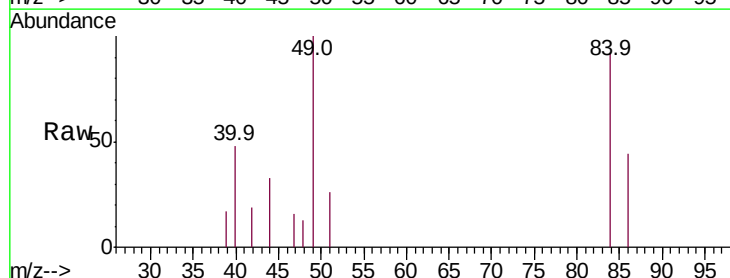
Instrument :
MSVOA_N
ClientSampled :
TP-2-(3FT)

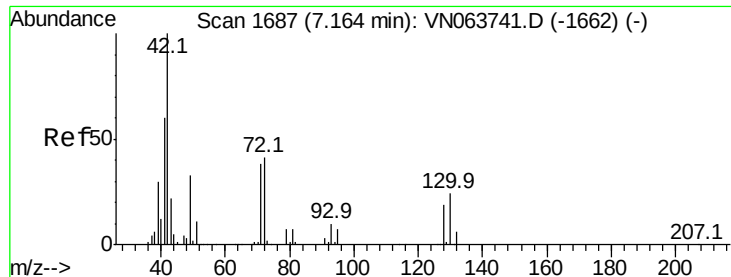
Tot Ion: 43 Resp: 766
Ion Ratio Lower Upper
43 100
74 8.7 17.4 26.2#



#20
Methylene Chloride
Concen: 0.632 ug/l
RT: 4.48 min Scan# 853
Delta R.T. -0.02 min
Lab File: VN063753.D
Acq: 30 Sep 2020 16:43

Tgt Ion: 84 Resp: 1393
Ion Ratio Lower Upper
84 100
49 108.2 110.4 165.6#
51 28.0 33.3 49.9#
86 47.6 50.7 76.1#





#29

Tetrahydrofuran

Concen: 0.342 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

TP-2-(3FT)

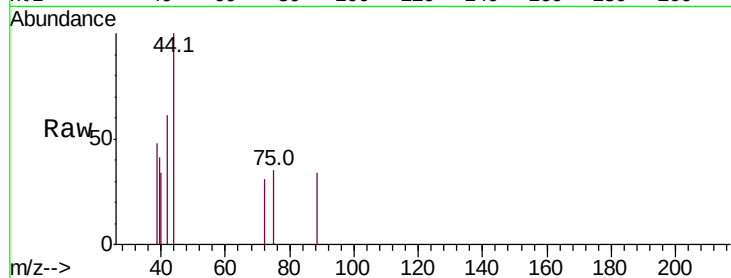
Tot Ion: 42 Resp: 370

Ion Ratio Lower Upper

42 100

72 16.5 32.8 49.2#

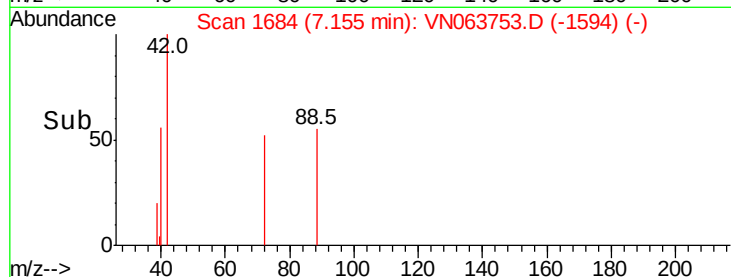
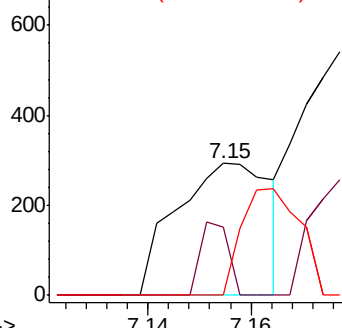
71 50.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.440 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

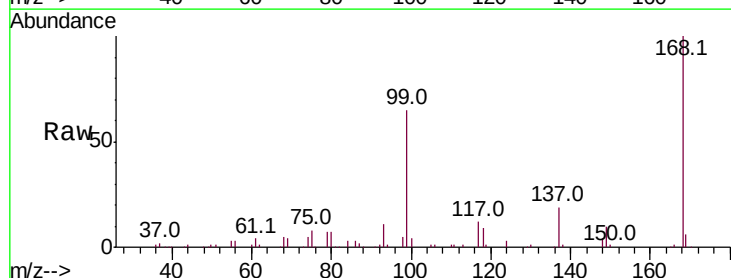
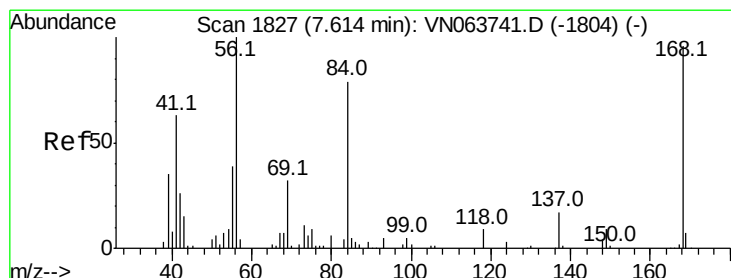
Tgt Ion: 56 Resp: 6174

Ion Ratio Lower Upper

56 100

69 144.3 25.4 38.2#

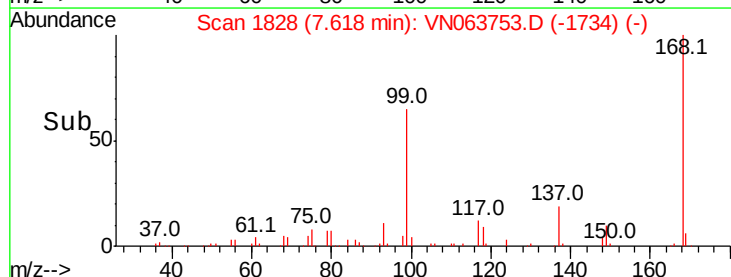
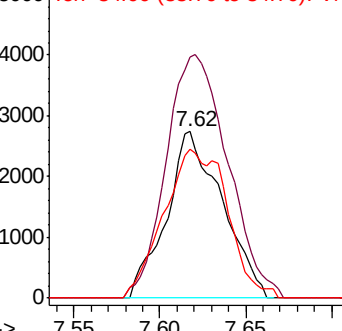
84 89.4 63.3 94.9

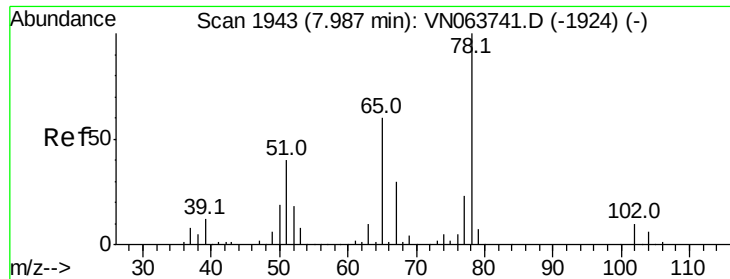


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

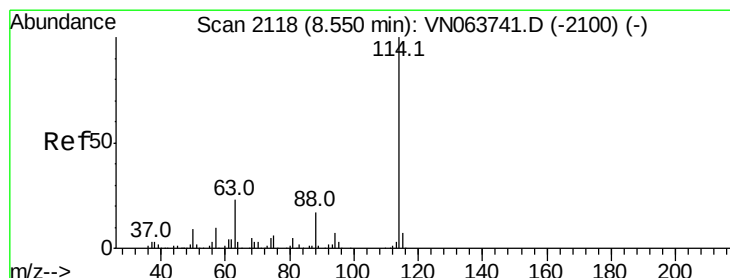
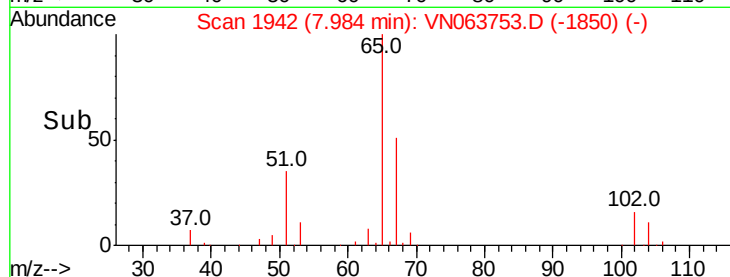
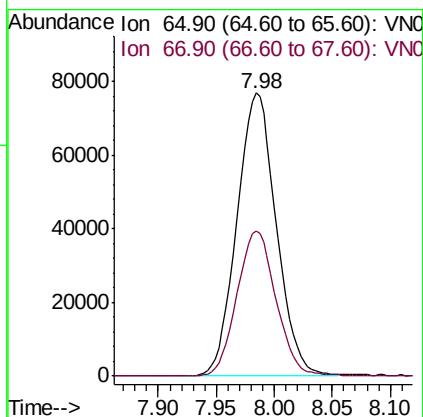
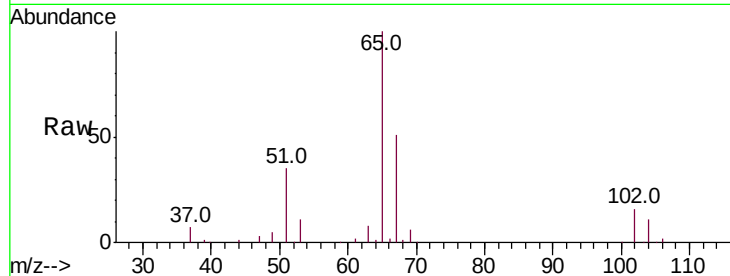




#33
 1,2-Dichloroethane-d4
 Concen: 49.117 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

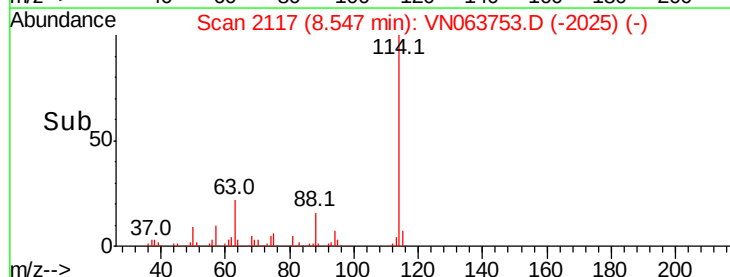
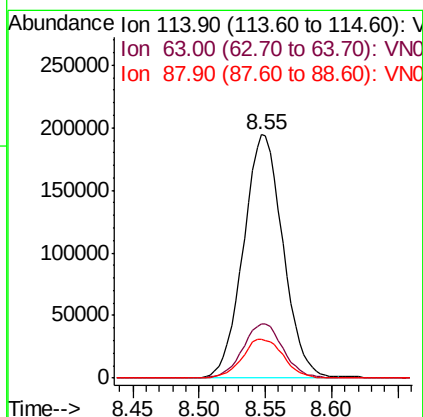
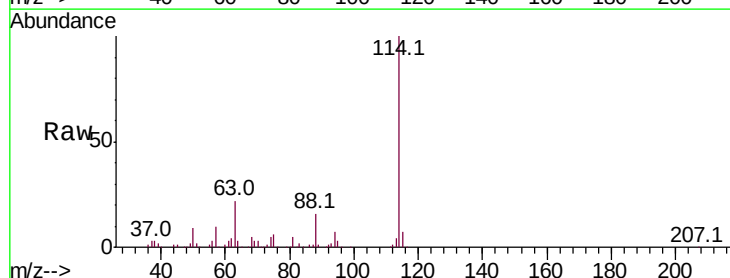
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-(3FT)

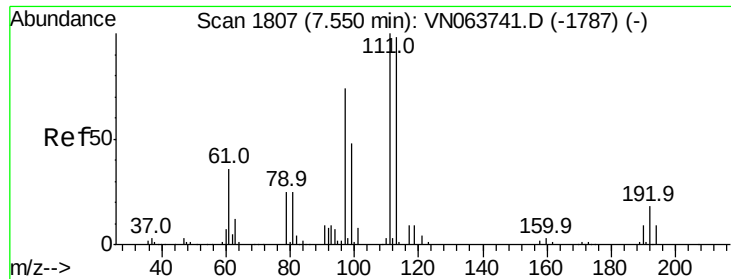
Tot Ion: 65 Resp: 181356
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

Tgt Ion: 114 Resp: 403654
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 46.414 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
TP-2-(3FT)

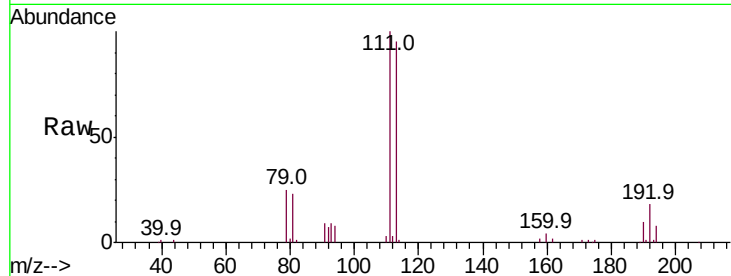
Tot Ion:113 Resp: 130000

Ion Ratio Lower Upper

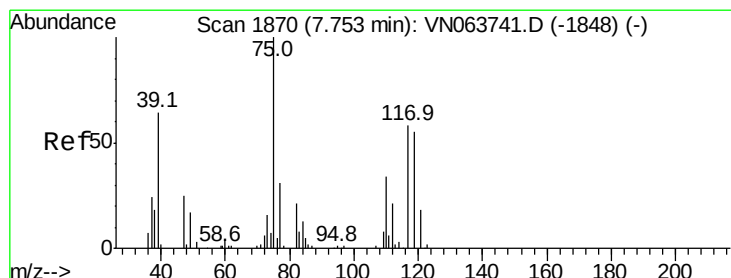
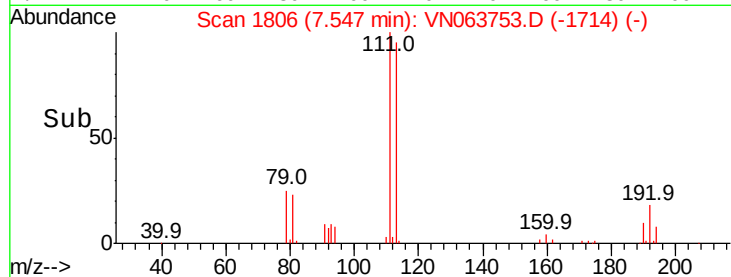
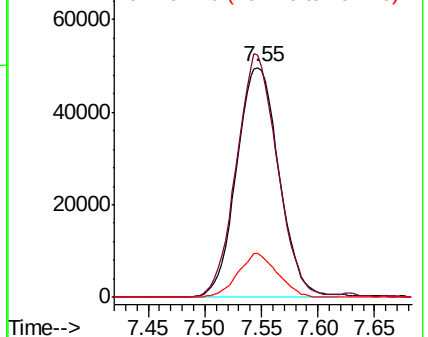
113 100

111 101.9 81.8 122.8

192 17.9 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: 4.888 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

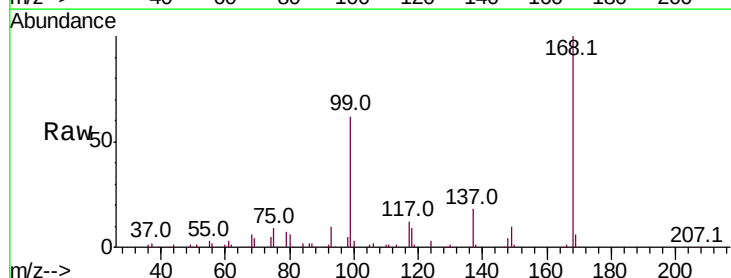
Tgt Ion: 75 Resp: 19989

Ion Ratio Lower Upper

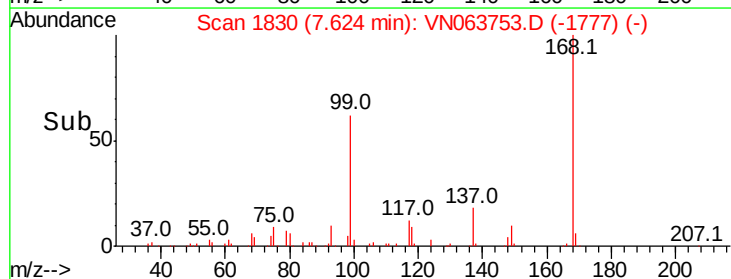
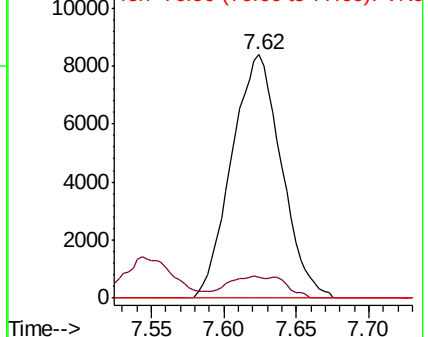
75 100

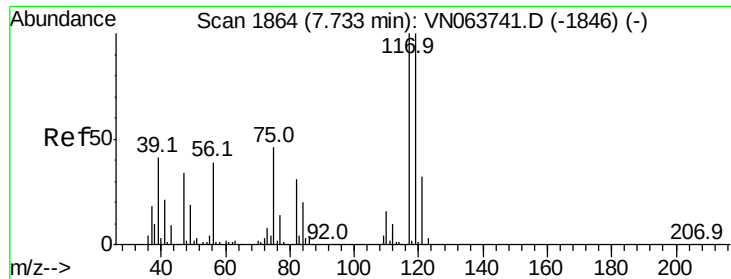
110 4.4 16.9 50.6#

77 0.0 24.5 36.7#



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: 5.536 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.11 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

TP-2-(3FT)

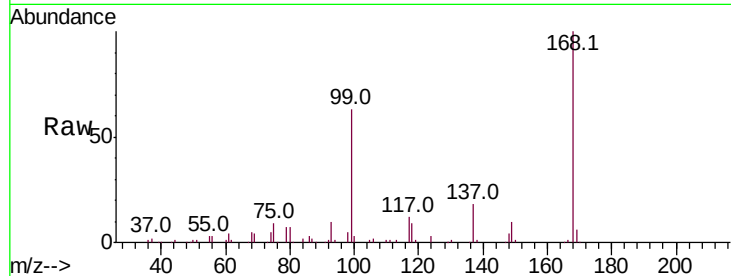
Tot Ion:117 Resp: 25386

Ion Ratio Lower Upper

117 100

119 5.3 80.1 120.1#

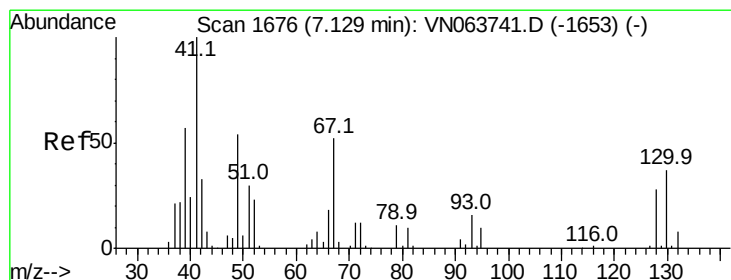
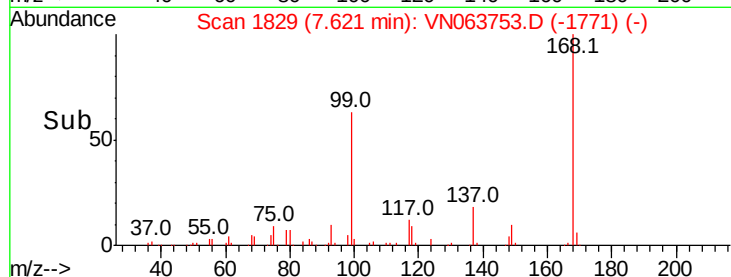
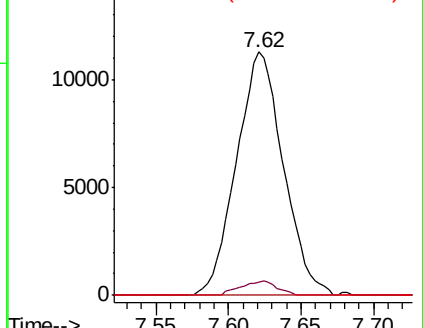
121 0.0 25.7 38.5#



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



#41

Methacrylonitrile

Concen: 0.347 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.05 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Tgt Ion: 41 Resp: 626

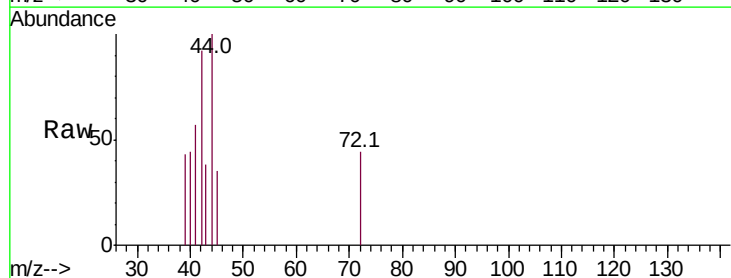
Ion Ratio Lower Upper

41 100

39 5.3 42.5 63.7#

67 0.0 57.4 86.2#

52 0.0 26.9 40.3#

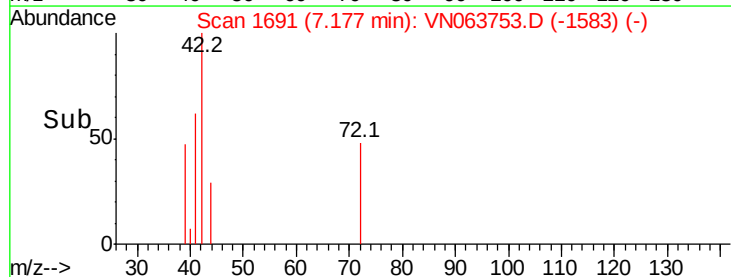
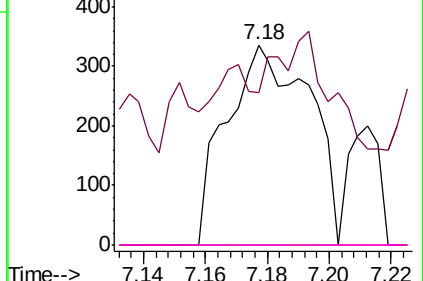


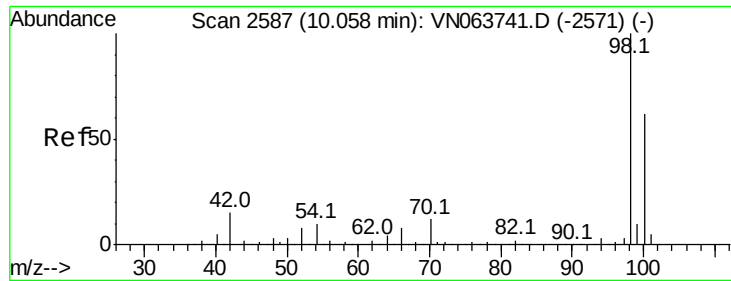
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#50

Toluene-d8

Concen: 48.530 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

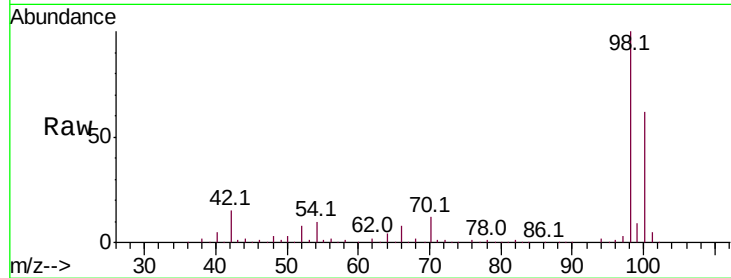
TP-2-(3FT)

Tot Ion: 98 Resp: 515285

Ion Ratio Lower Upper

98 100

100 62.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

300000

250000

200000

150000

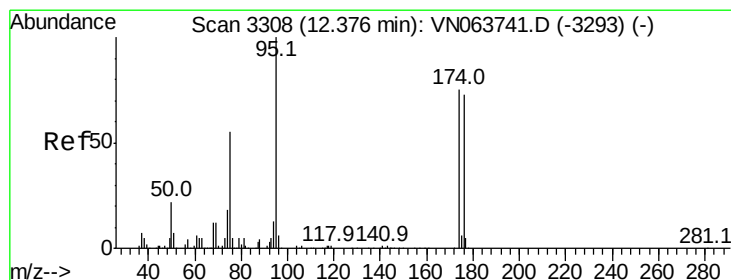
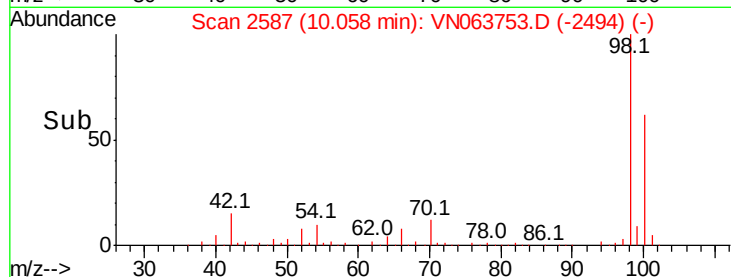
100000

50000

0

Time-->

10.00 10.05 10.10 10.15



#62

4-Bromofluorobenzene

Concen: 53.308 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

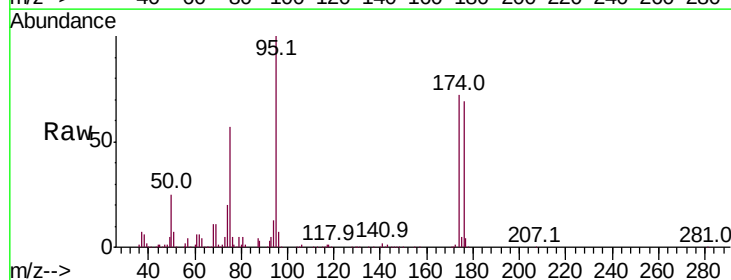
Tgt Ion: 95 Resp: 212768

Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.6

176 70.7 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) (-)

12.38

150000

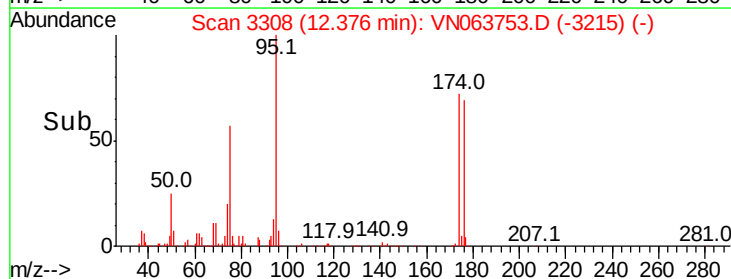
100000

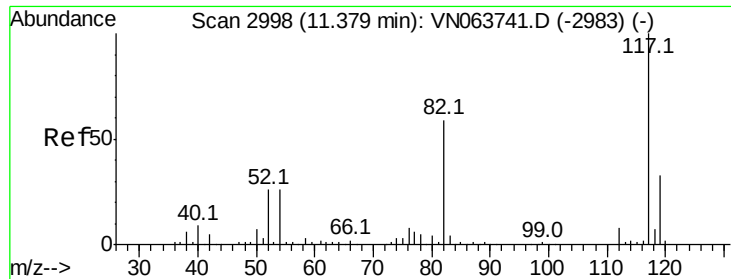
50000

0

Time-->

12.30 12.40

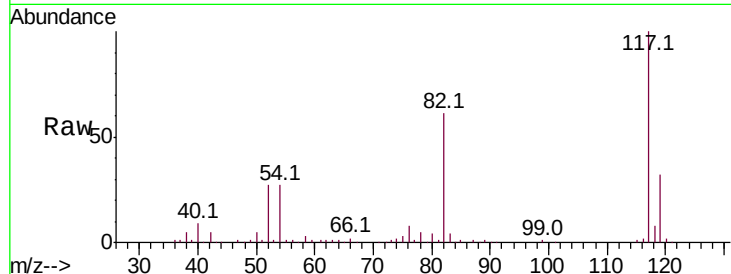




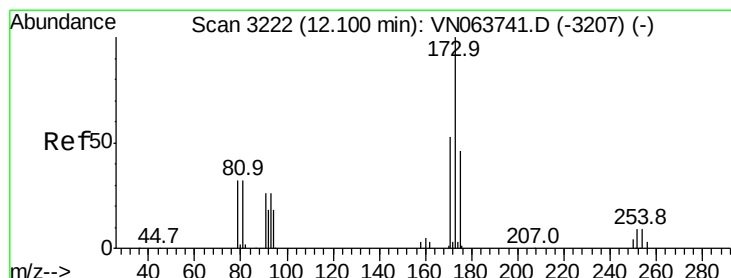
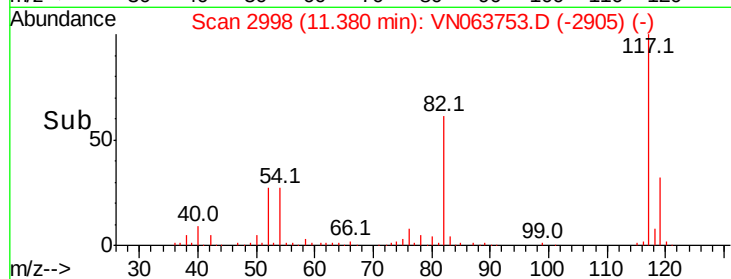
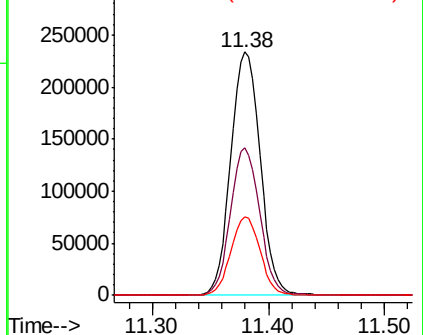
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063753.D
Acq: 30 Sep 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
TP-2-(3FT)

Tot Ion:117 Resp: 412604
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 32.4 26.4 39.6

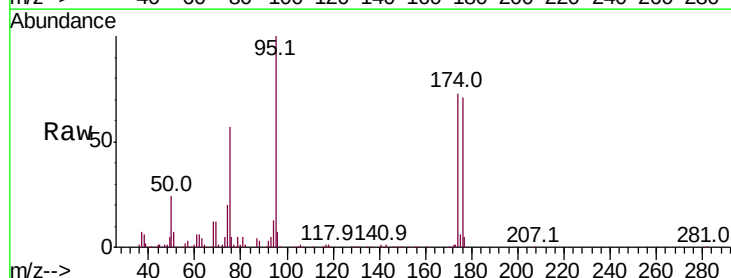


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

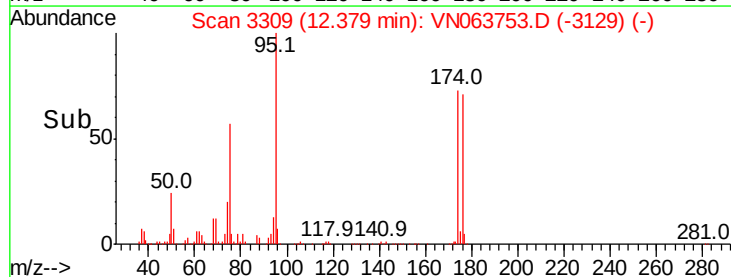
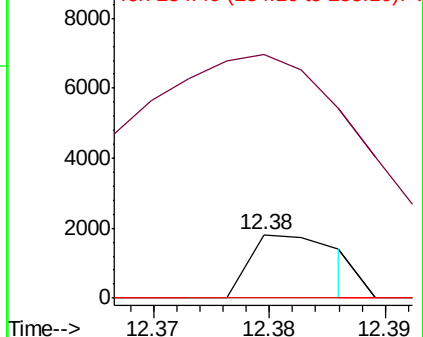


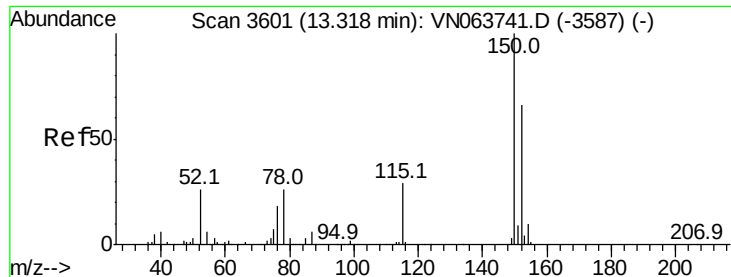
#71
Bromoform
Concen: 0.385 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.28 min
Lab File: VN063753.D
Acq: 30 Sep 2020 16:43

Tgt Ion:173 Resp: 955
Ion Ratio Lower Upper
173 100
175 1044.7 23.5 70.5#
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

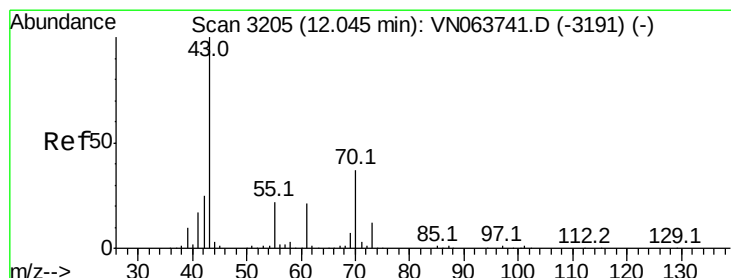
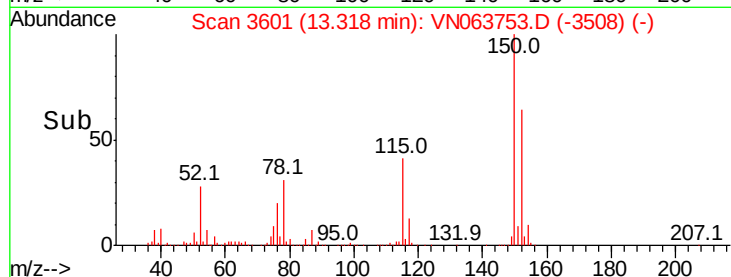
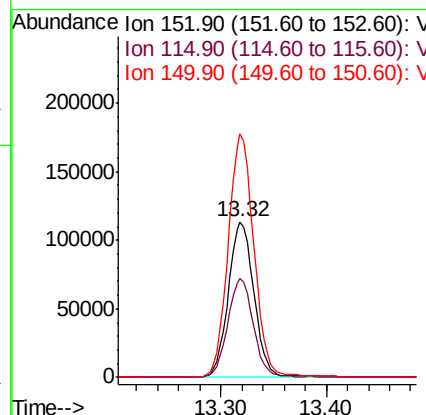
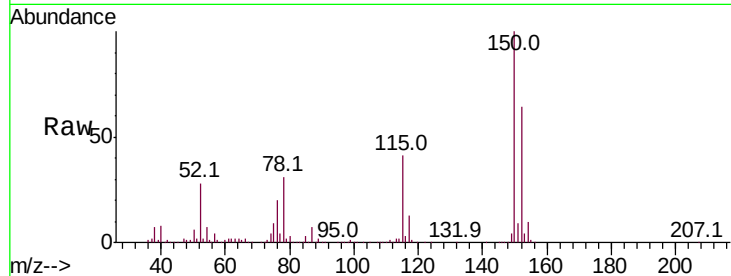




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

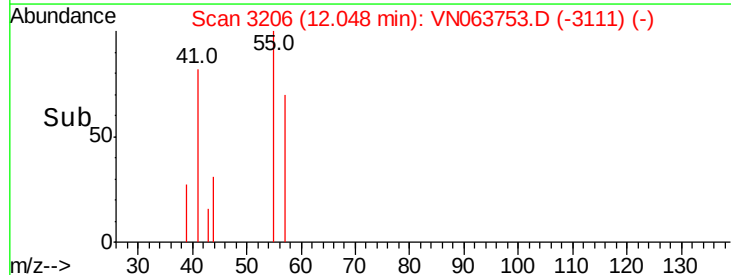
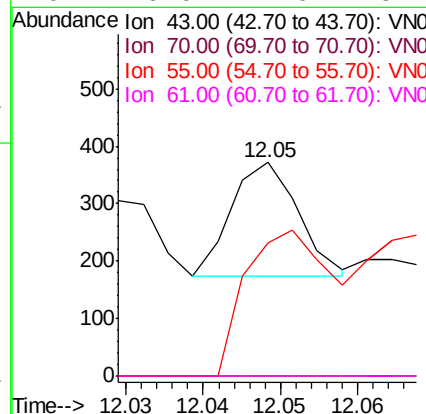
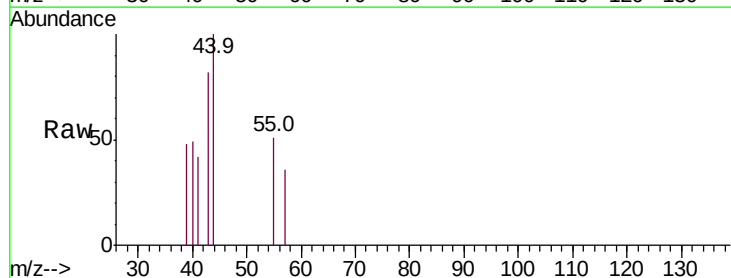
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2-(3FT)

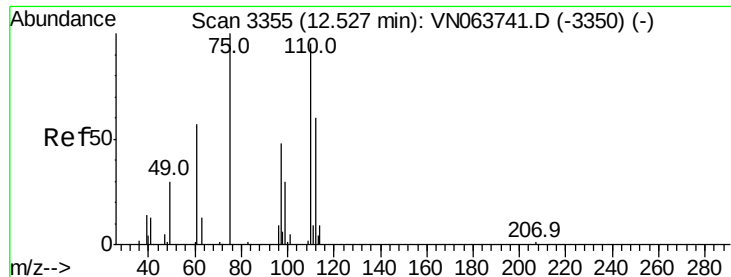
Tot Ion:152 Resp: 191441
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.3 93.8
 150 156.1 0.0 341.8



#74
 N-ethyl acetate
 Concen: 2.233 ug/l
 RT: 12.05 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VN063753.D
 Acq: 30 Sep 2020 16:43

Tgt Ion: 43 Resp: 119
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.8#
 55 165.5 17.9 26.9#
 61 0.0 17.0 25.4#





#76

1,2,3-Trichloropropane

Concen: 28.276 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

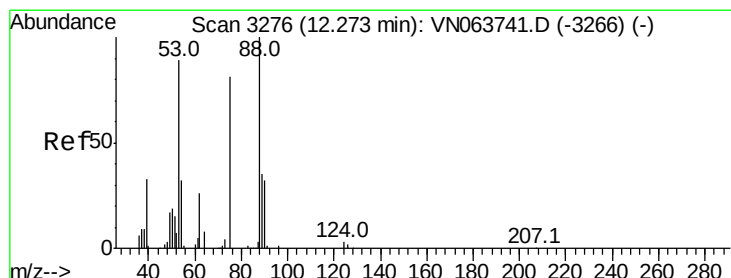
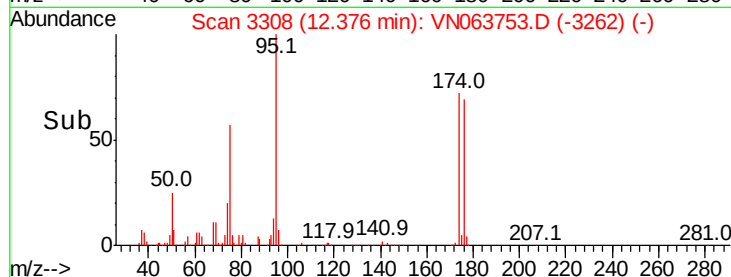
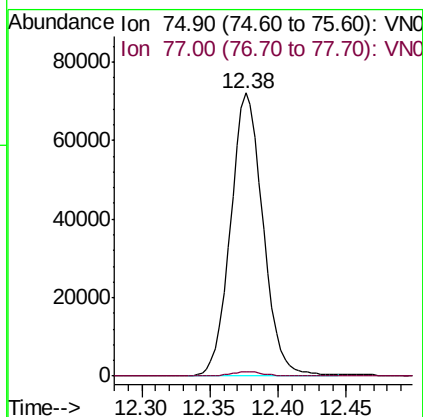
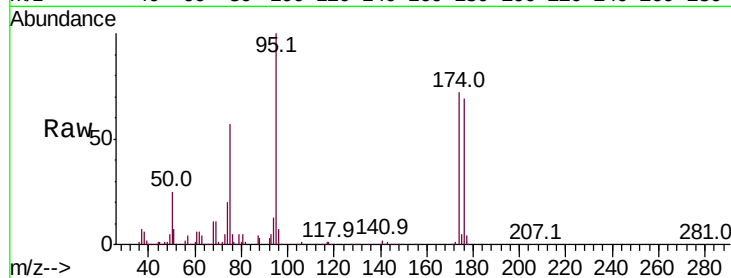
TP-2-(3FT)

Tot Ion: 75 Resp: 119329

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.440 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

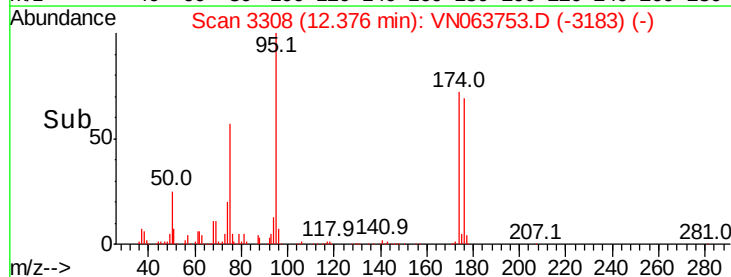
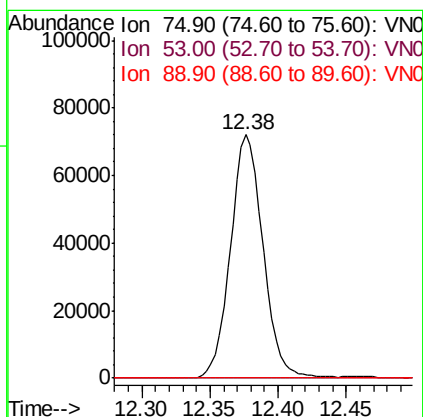
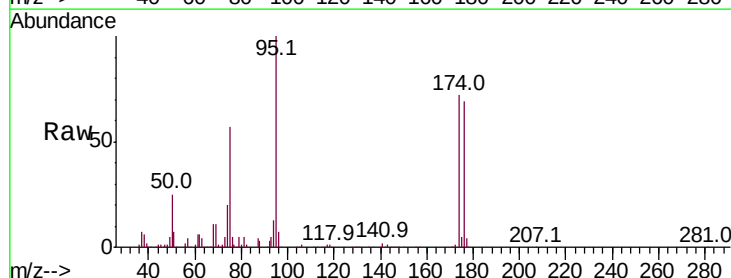
Tgt Ion: 75 Resp: 119329

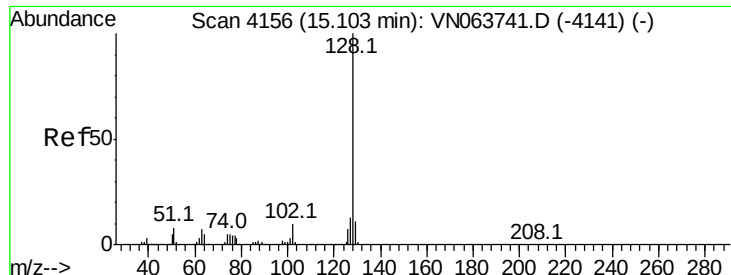
Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 2.236 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063753.D

Acq: 30 Sep 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

TP-2-(3FT)

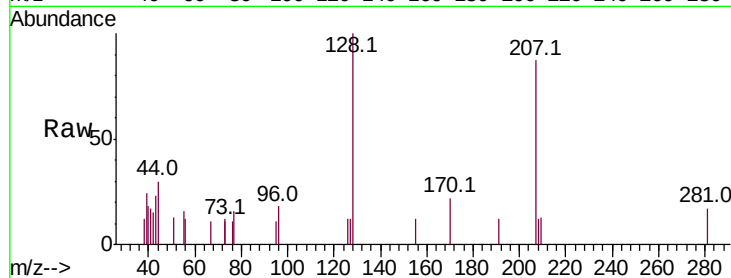
Tot Ion:128 Resp: 3350

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

129 5.6 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

