

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062118\
 Data File : VN049472.D
 Acq On : 21 Jun 2018 17:02
 Operator : MD\SY
 Sample : J3575-21
 Misc : 11.89g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

Quant Time: Jun 21 17:19:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1413642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2264734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1980389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	746250	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	989102	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
35) Dibromofluoromethane	7.59	113	850582	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	10.09	98	3128404	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	
62) 4-Bromofluorobenzene	12.40	95	982260	42.58	ug/l	0.00
Spiked Amount			Recovery	=	85.16%	

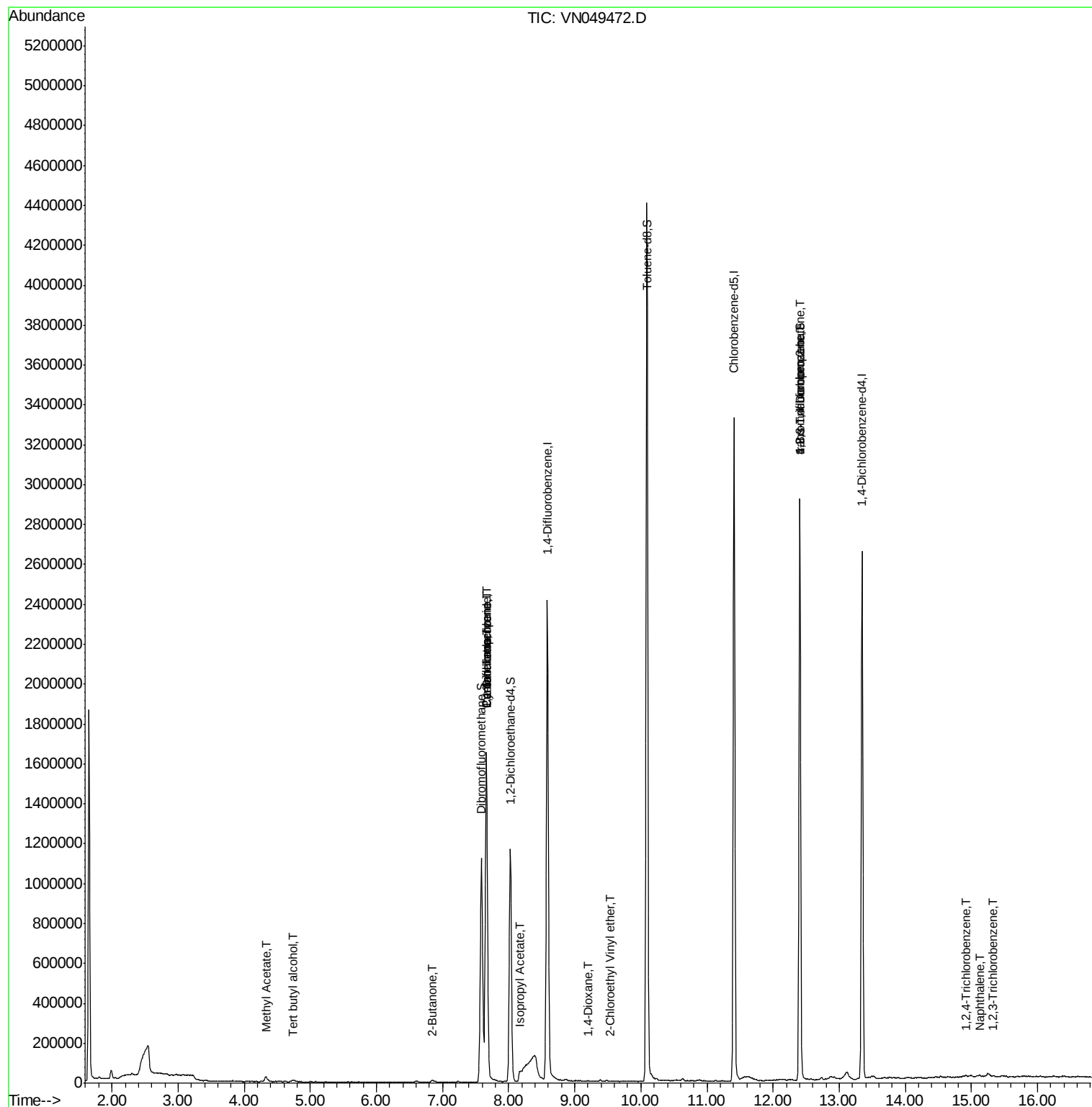
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	4671	4.245	ug/l #	78
18) Methyl Acetate	4.33	43	48208	3.473	ug/l	92
25) 2-Butanone	6.85	43	8648	1.415	ug/l #	85
31) Cyclohexane	7.66	56	28051	0.838	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	99242	3.823	ug/l #	50
38) Carbon Tetrachloride	7.66	117	127253	4.736	ug/l #	17
43) Isopropyl Acetate	8.17	43	30310	1.124	ug/l #	64
49) 1,4-Dioxane	9.21	88	269	1.535	ug/l #	38
58) 2-Chloroethyl Vinyl ether	9.55	63	96	14.339	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.50	83	298	Below Cal	#	85
76) 1,2,3-Trichloropropane	12.40	75	477901	37.533	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	477901	118.624	ug/l #	9
90) Hexachloroethane	13.88	117	285	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	625	4.787	ug/l #	43
95) Naphthalene	15.14	128	1864	2.169	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.33	180	163	3.470	ug/l #	1

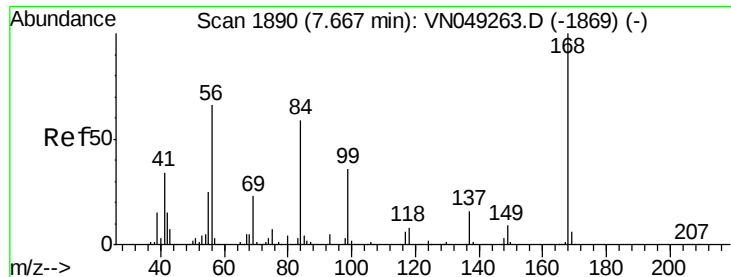
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

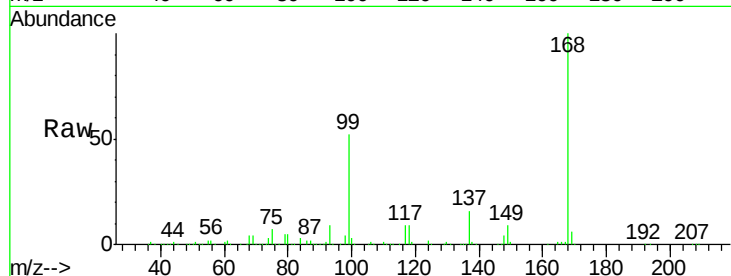
TP-13

Tgt Ion:168 Resp: 1413642

Ion Ratio Lower Upper

168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

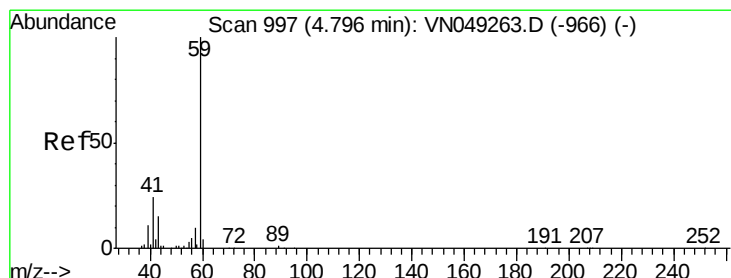
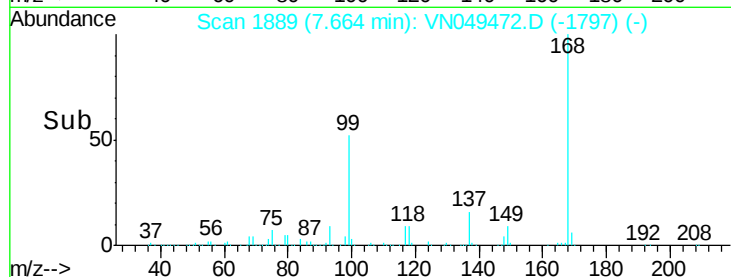
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.245 ug/l

RT: 4.74 min Scan# 980

Delta R.T. -0.05 min

Lab File: VN049472.D

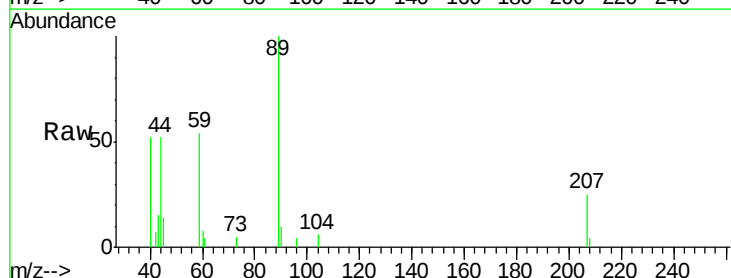
Acq: 21 Jun 2018 17:02

Tgt Ion: 59 Resp: 4671

Ion Ratio Lower Upper

59 100

57 3.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

2000

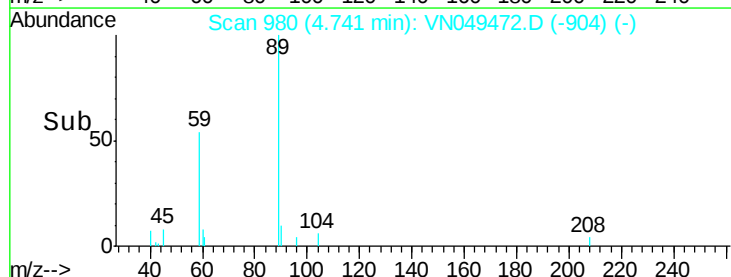
1500

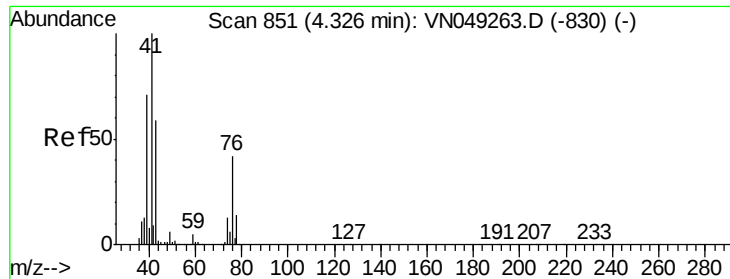
1000

500

0

Time-->

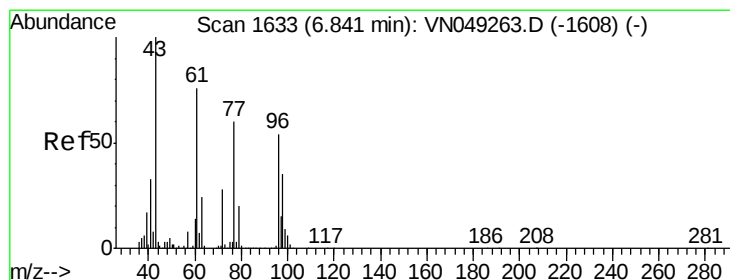
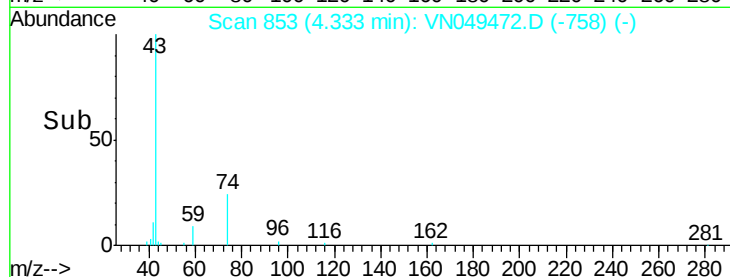
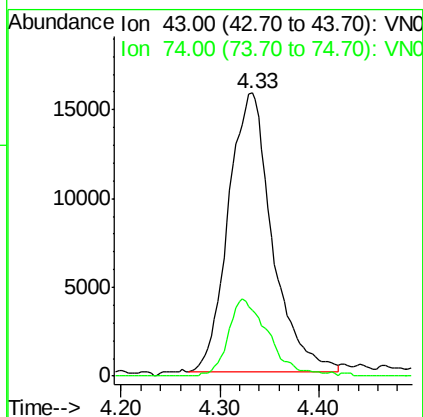
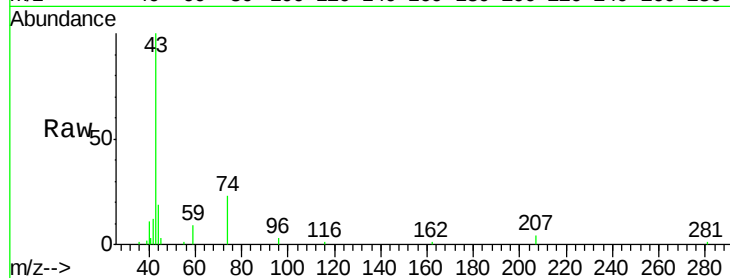




#18
Methyl Acetate
Concen: 3.473 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

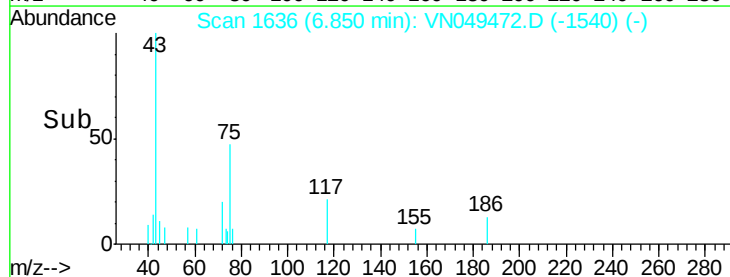
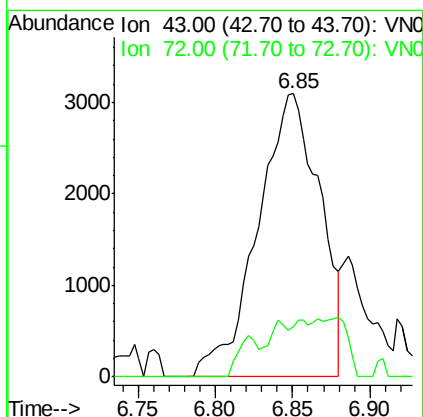
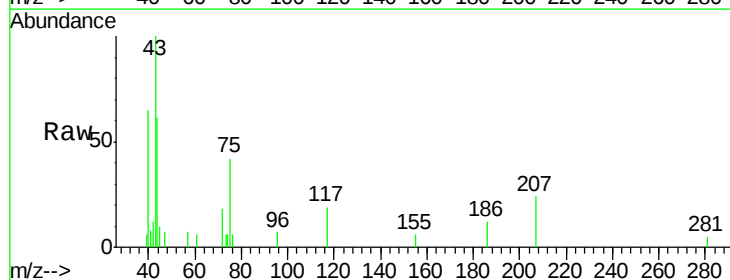
Instrument :
MSVOA_N
ClientSampled :
TP-13

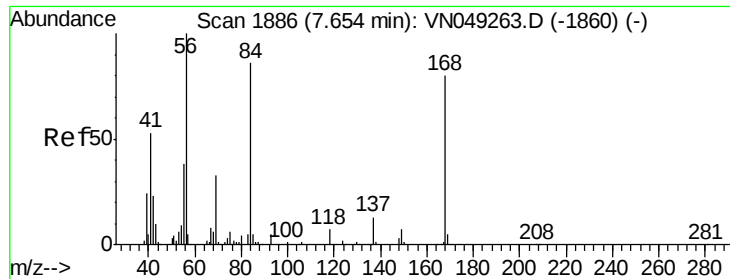
Tgt Ion: 43 Resp: 48208
Ion Ratio Lower Upper
43 100
74 25.5 17.4 26.0



#25
2-Butanone
Concen: 1.415 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

Tgt Ion: 43 Resp: 8648
Ion Ratio Lower Upper
43 100
72 17.7 20.2 30.2#

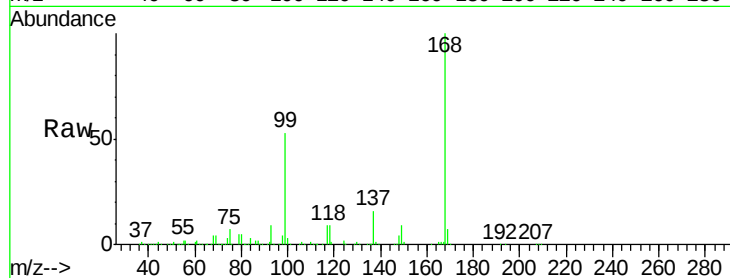




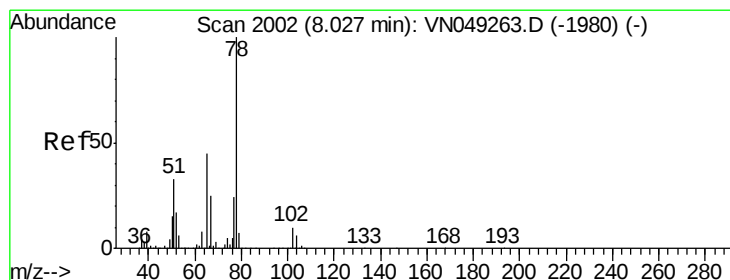
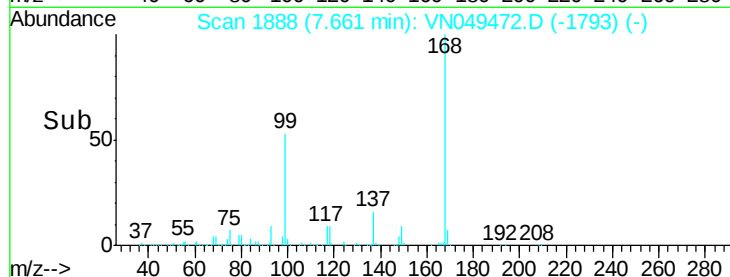
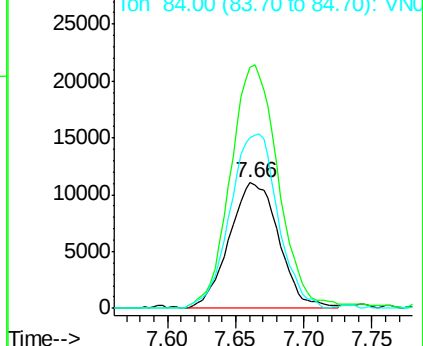
#31
Cyclohexane
Concen: 0.838 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

Instrument :
MSVOA_N
ClientSampled :
TP-13

Tgt Ion: 56 Resp: 28051
Ion Ratio Lower Upper
56 100
69 190.0 25.0 37.4#
84 134.3 64.6 96.8#

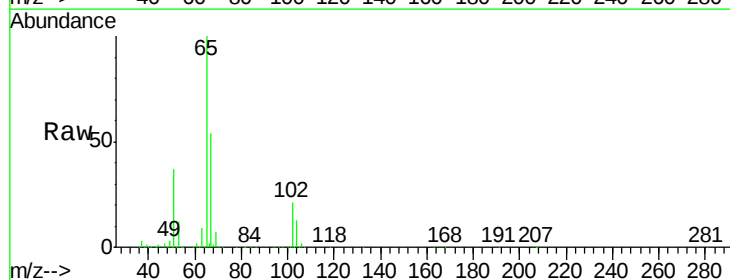


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

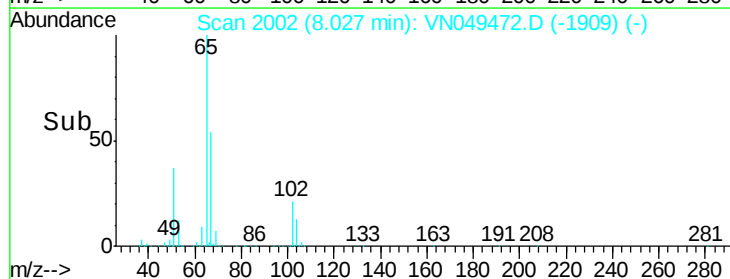
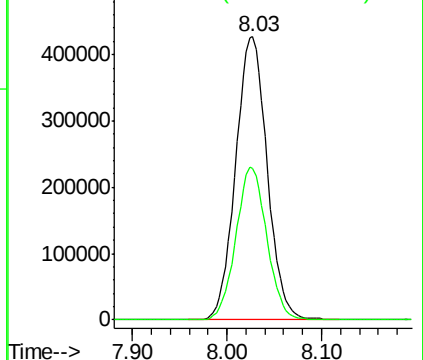


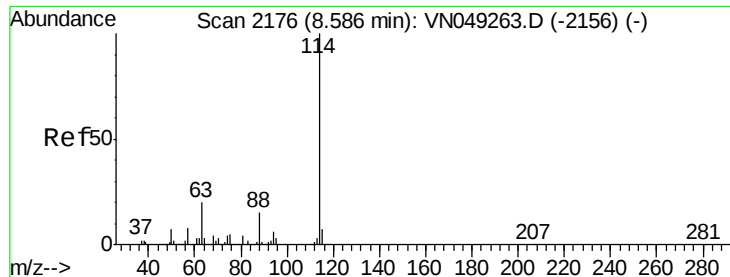
#33
1,2-Dichloroethane-d4
Concen: 52.753 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

Tgt Ion: 65 Resp: 989102
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

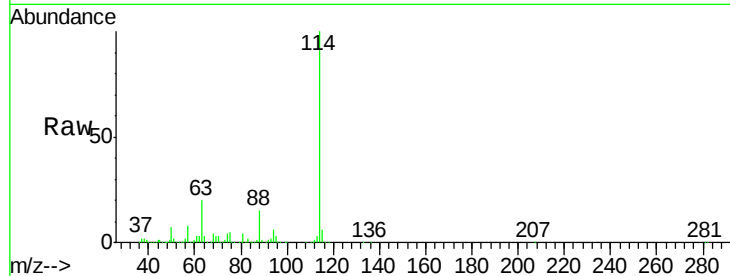




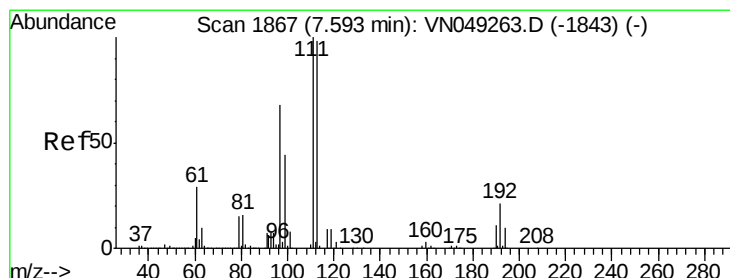
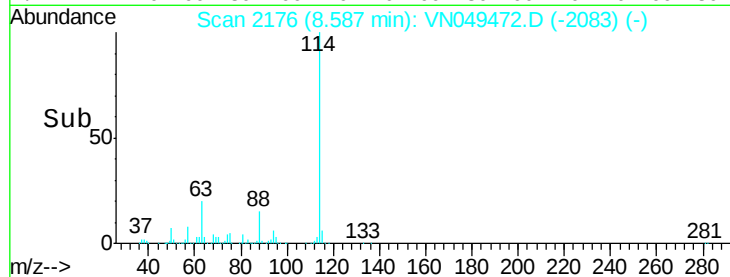
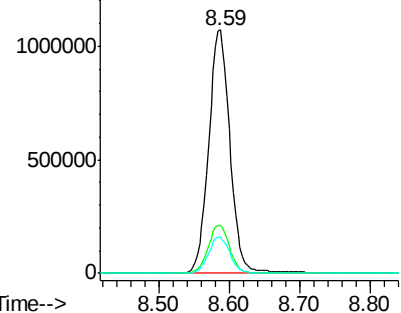
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

Instrument :
 MSVOA_N
 ClientSampled :
 TP-13

Tgt Ion:114 Resp: 2264734
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 14.9 0.0 31.4

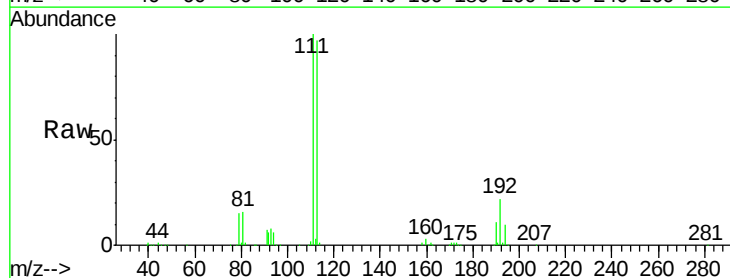


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

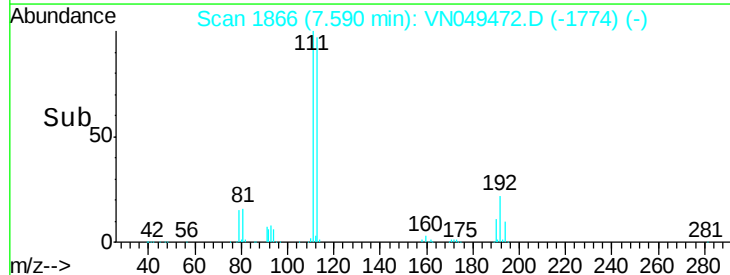
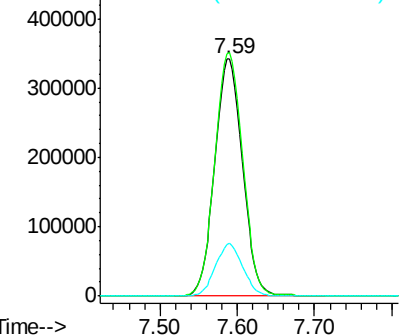


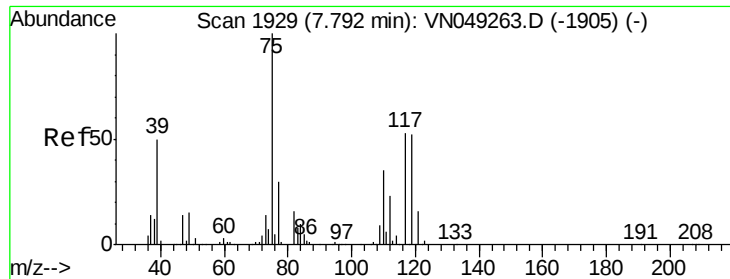
#35
 Dibromofluoromethane
 Concen: 46.422 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

Tgt Ion:113 Resp: 850582
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.4 123.6
 192 21.8 15.0 22.6



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

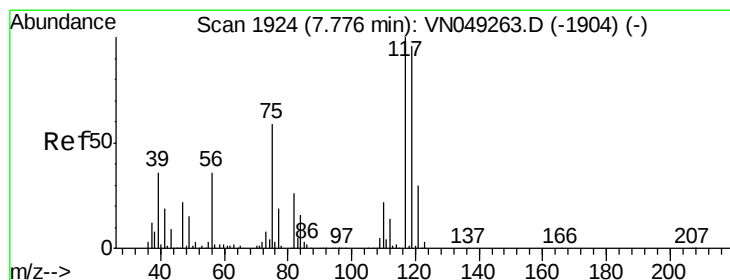
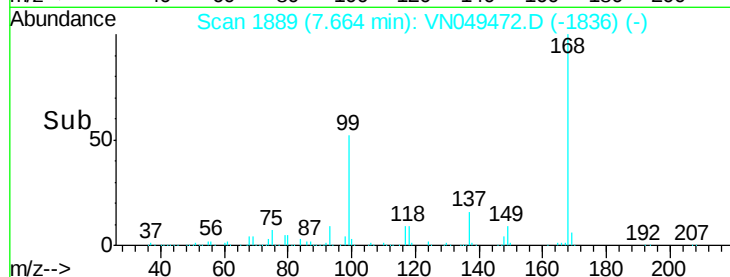
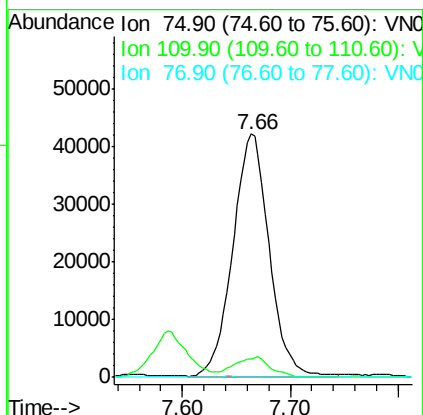
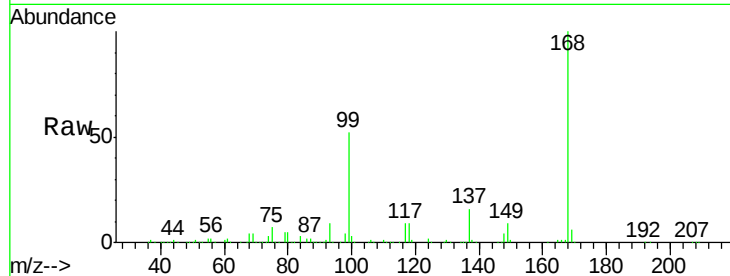




#36
 1,1-Dichloropropene
 Concen: 3.823 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

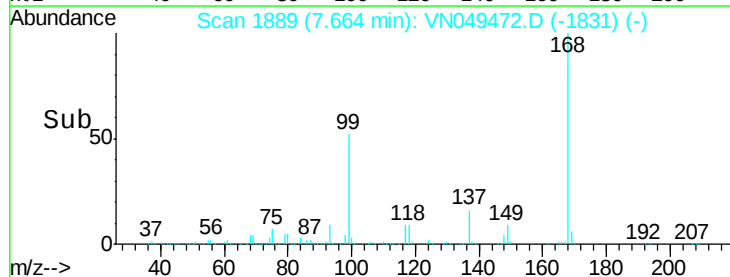
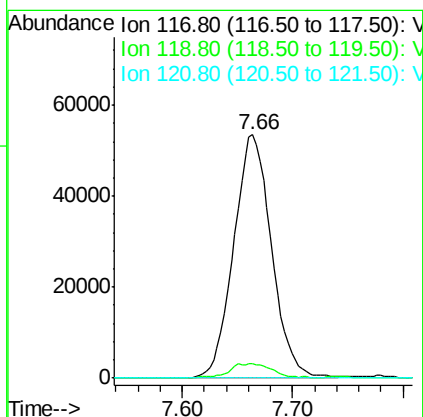
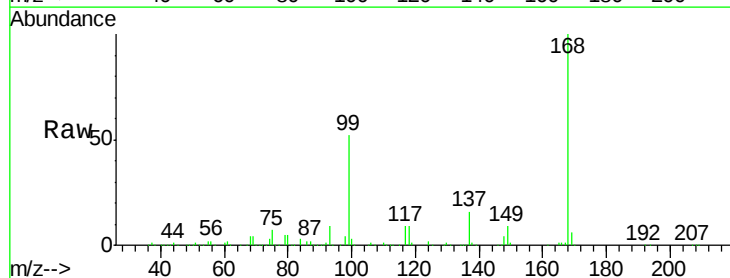
Instrument :
 MSVOA_N
 ClientSampled :
 TP-13

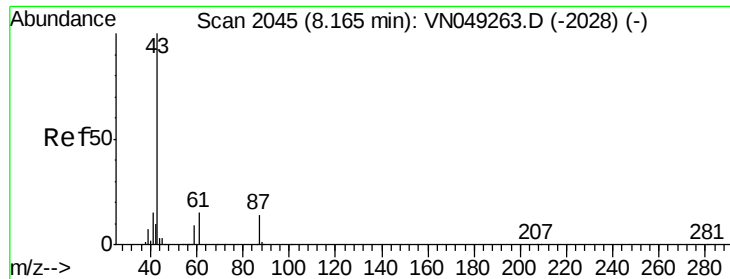
Tgt Ion: 75 Resp: 99242
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.0 50.9#
 77 0.1 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 4.736 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

Tgt Ion: 117 Resp: 127253
 Ion Ratio Lower Upper
 117 100
 119 6.2 75.6 113.4#
 121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.124 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

TP-13

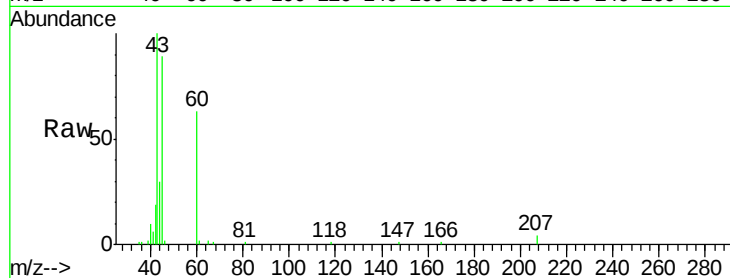
Tgt Ion: 43 Resp: 30310

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

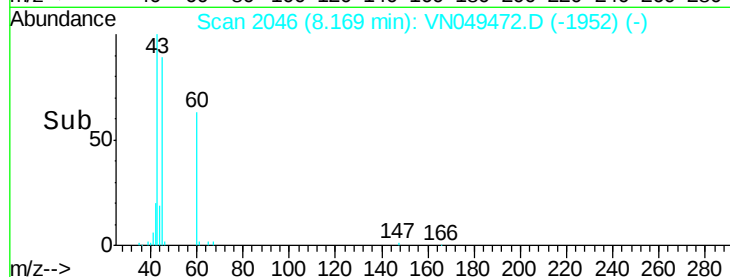


Abundance Ion 43.00 (42.70 to 43.70): VN049472.D (-2274) (-)

Ion 61.00 (60.70 to 61.70): VN049472.D (-2274) (-)

Ion 87.00 (86.70 to 87.70): VN049472.D (-2274) (-)

Time--> 8.10 8.15

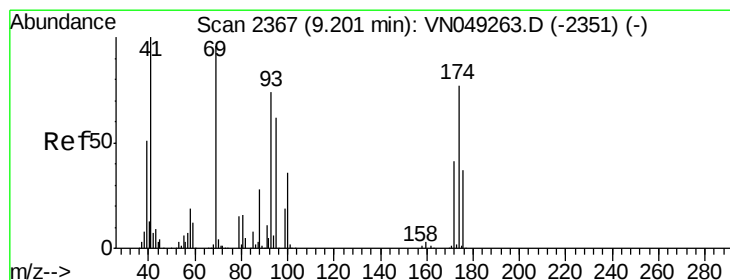


Abundance Ion 43.00 (42.70 to 43.70): VN049472.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049472.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049472.D (-1952) (-)

Time--> 8.10 8.15



#49

1,4-Dioxane

Concen: 1.535 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

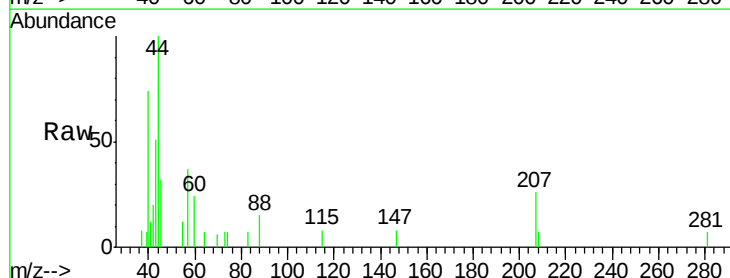
Tgt Ion: 88 Resp: 269

Ion Ratio Lower Upper

88 100

43 83.6 30.9 46.3#

58 26.8 58.9 88.3#

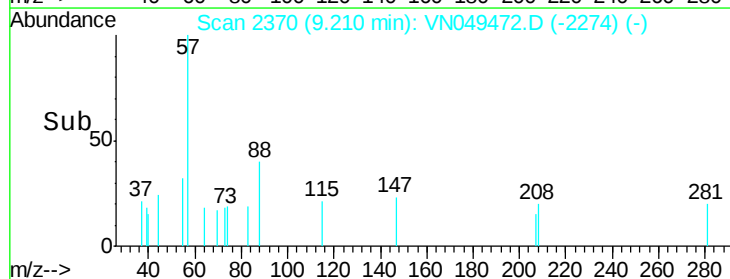


Abundance Ion 88.00 (87.70 to 88.70): VN049472.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049472.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049472.D (-2274) (-)

Time--> 9.19 9.20 9.21 9.22 9.23

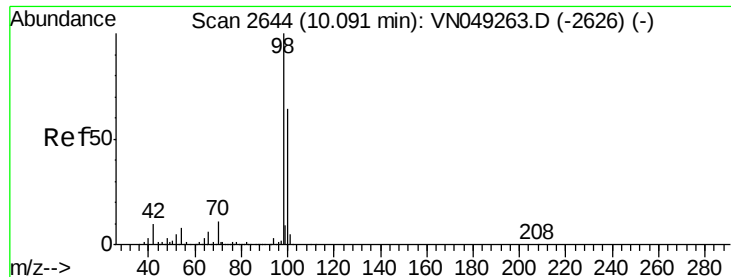


Abundance Ion 88.00 (87.70 to 88.70): VN049472.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049472.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049472.D (-2274) (-)

Time--> 9.19 9.20 9.21 9.22 9.23



#50

Toluene-d8

Concen: 44.841 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampled :

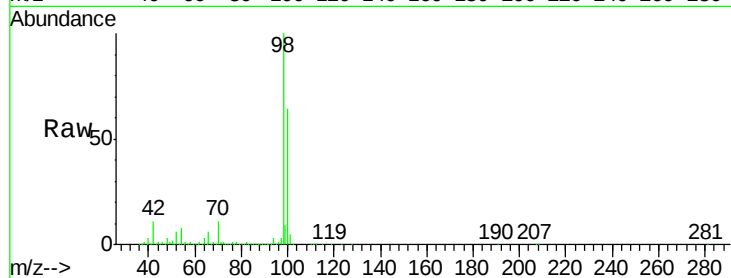
TP-13

Tgt Ion: 98 Resp: 3128404

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049472.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049472.D (-2551) (-)

2000000

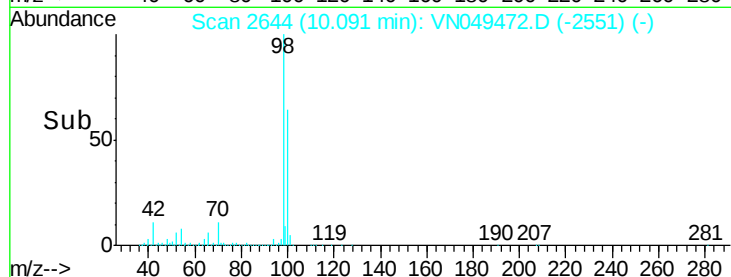
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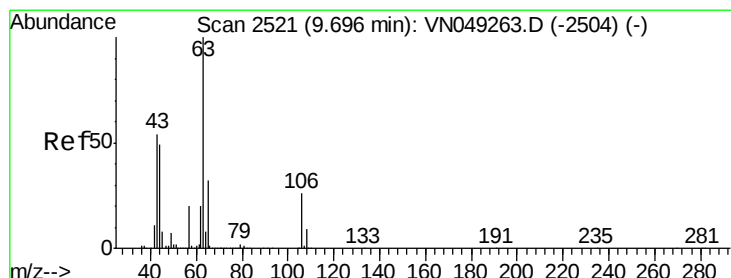
500000

0

10.00 10.10 10.20



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.339 ug/l

RT: 9.55 min Scan# 2476

Delta R.T. -0.14 min

Lab File: VN049472.D

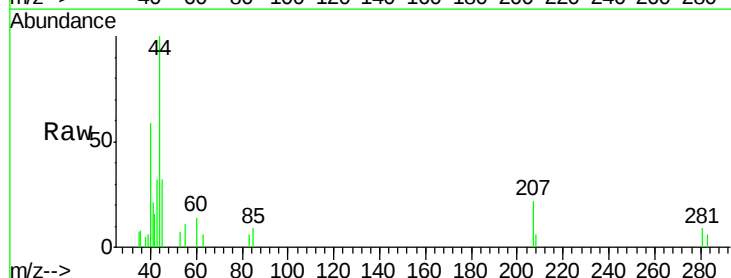
Acq: 21 Jun 2018 17:02

Tgt Ion: 63 Resp: 96

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049472.D (-2427) (-)

Ion 105.90 (105.60 to 106.60): VN049472.D (-2427) (-)

200

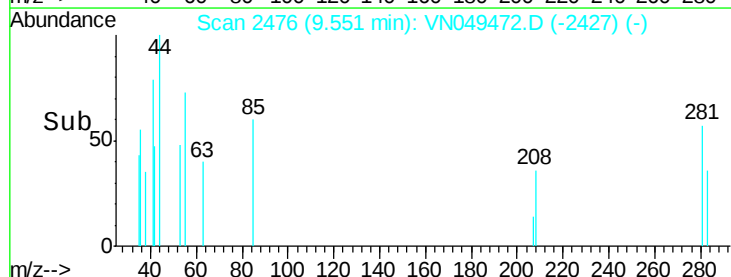
150

100

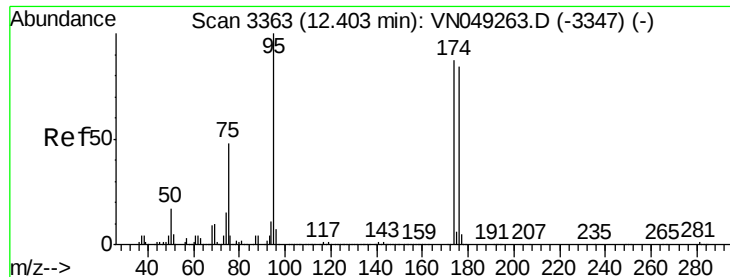
50

0

9.54 9.55 9.56 9.57



Time-->



#62

4-Bromofluorobenzene

Concen: 42.580 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

TP-13

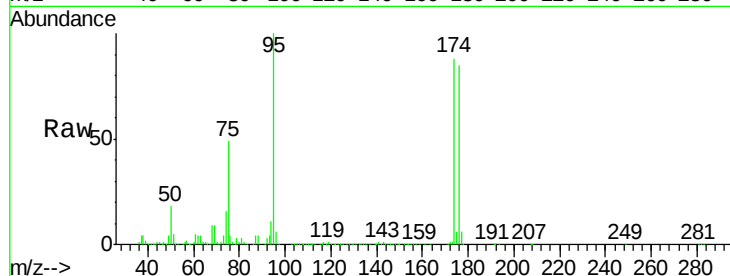
Tgt Ion: 95 Resp: 982260

Ion Ratio Lower Upper

95 100

174 89.7 0.0 165.6

176 85.6 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049472.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049472.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049472.D (-3270) (-)

12.40

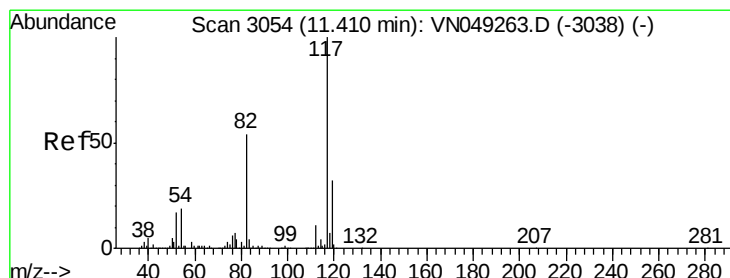
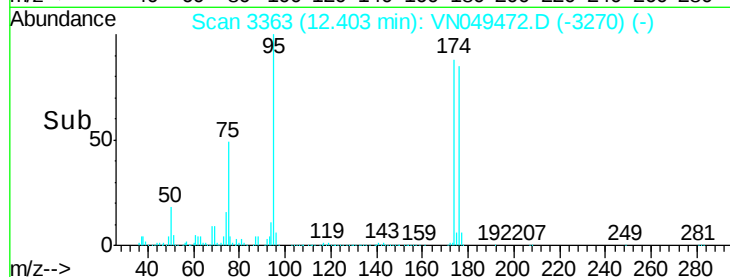
600000

400000

200000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

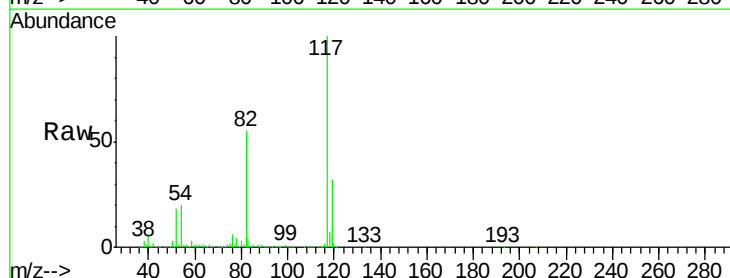
Tgt Ion: 117 Resp: 1980389

Ion Ratio Lower Upper

117 100

82 54.6 45.9 68.9

119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN049472.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049472.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049472.D (-2961) (-)

11.41

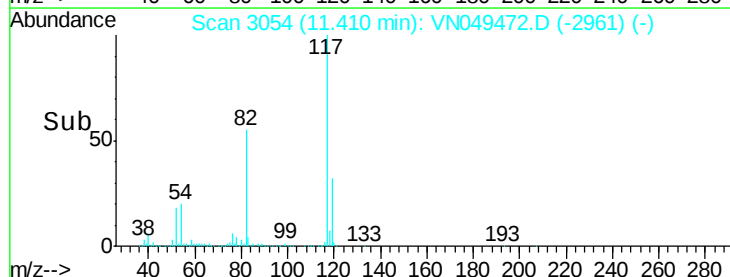
1500000

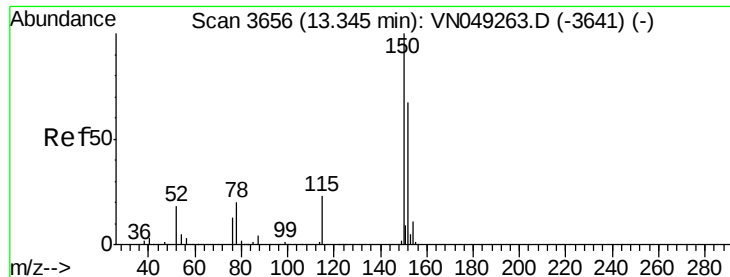
1000000

500000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampled :

TP-13

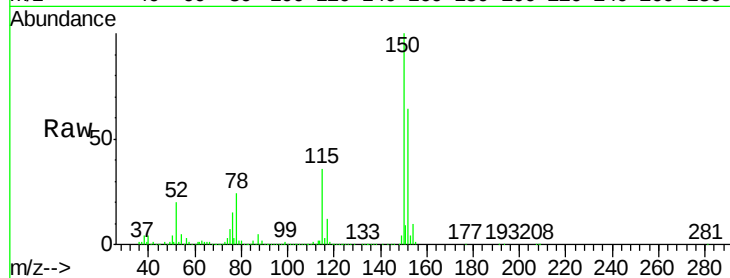
Tgt Ion:152 Resp: 746250

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.1

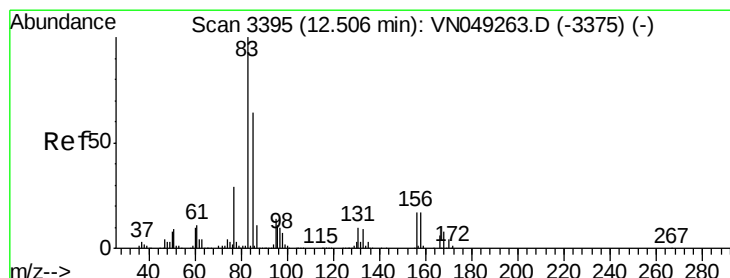
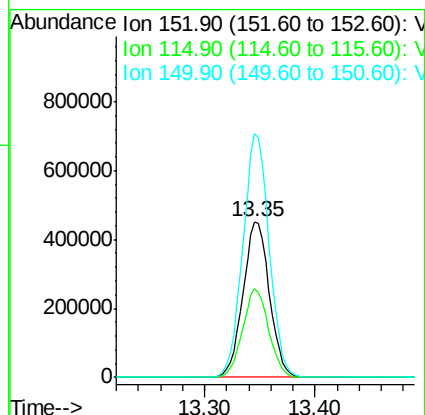
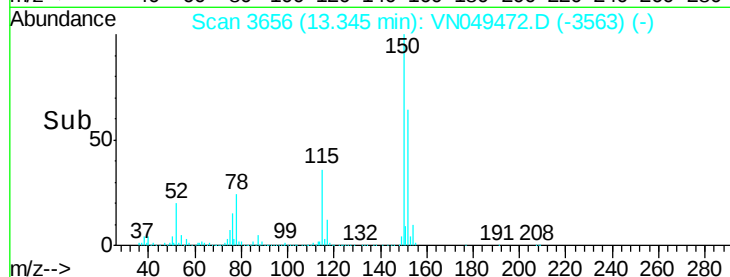
150 155.6 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

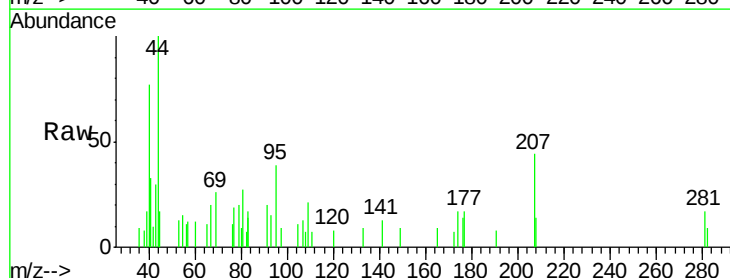
Tgt Ion: 83 Resp: 298

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

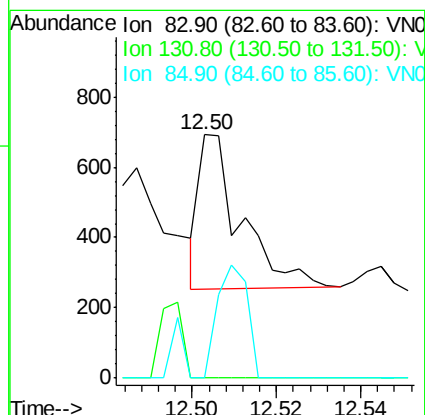
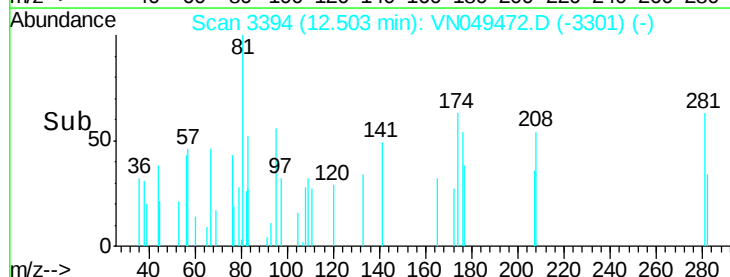
85 53.7 32.0 96.0

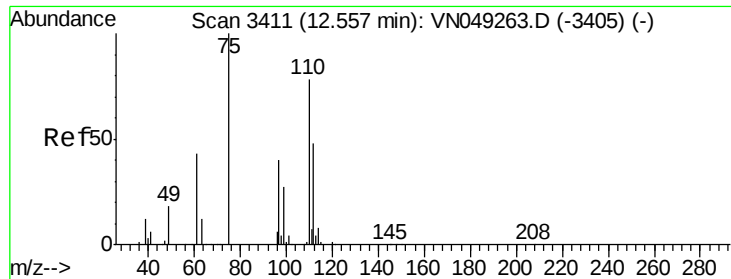


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

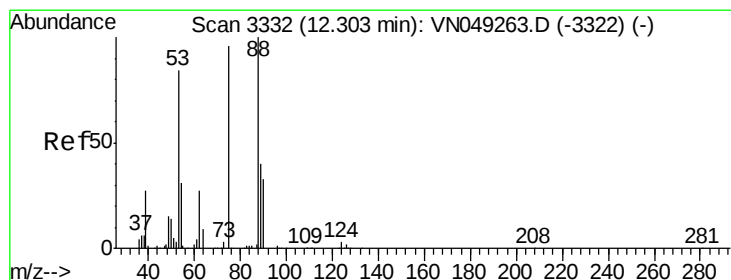
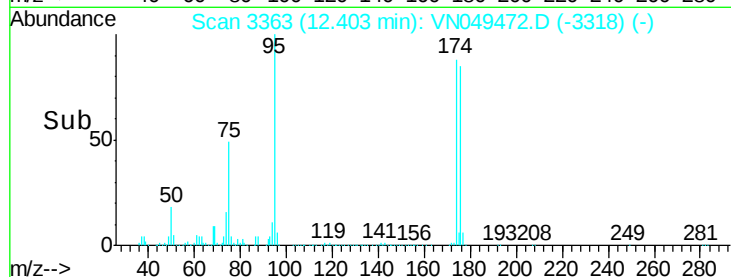
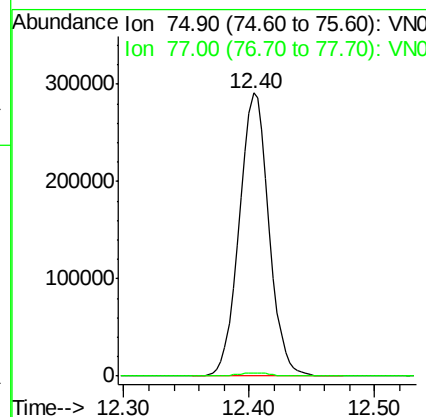
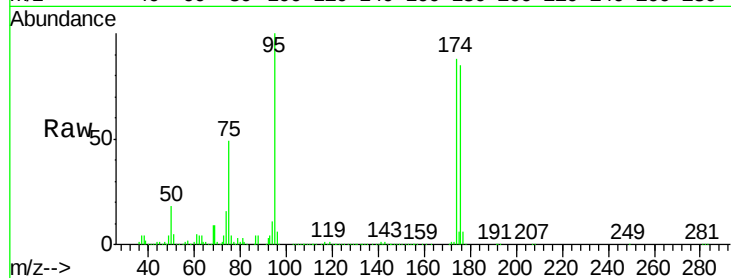




#76
 1,2,3-Trichloropropane
 Concen: 37.533 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

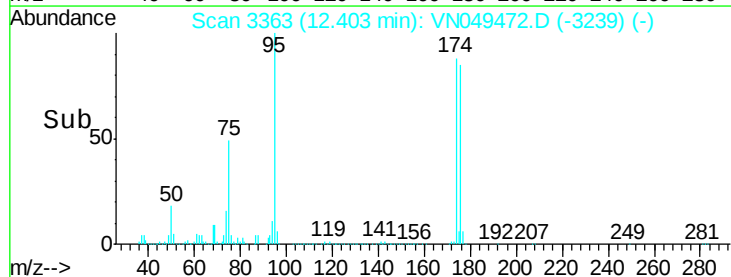
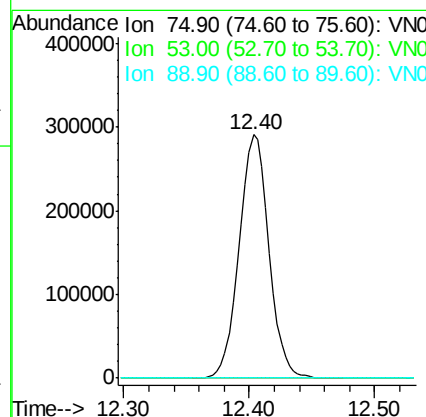
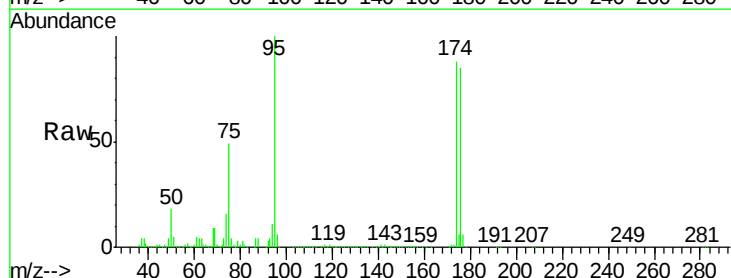
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-13

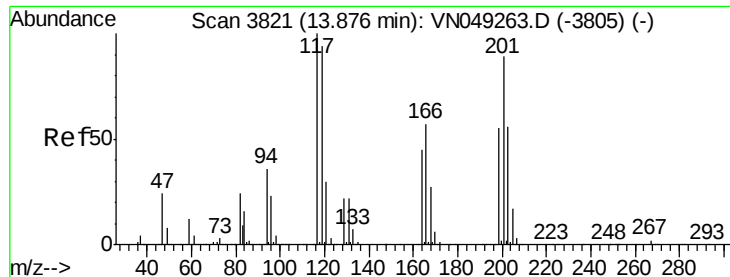
Tgt Ion: 75 Resp: 477901
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.624 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049472.D
 Acq: 21 Jun 2018 17:02

Tgt Ion: 75 Resp: 477901
 Ion Ratio Lower Upper
 75 100
 53 0.4 82.7 124.1#
 89 0.0 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

Instrument :

MSVOA_N

ClientSampleId :

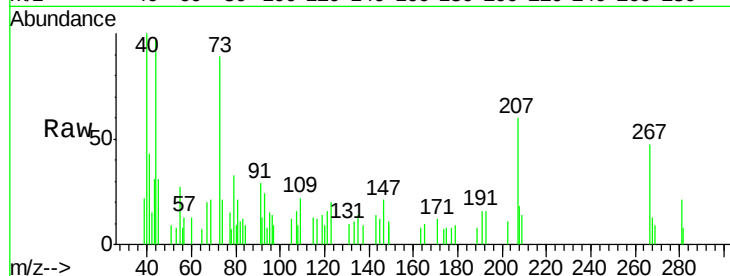
TP-13

Tgt Ion:117 Resp: 285

Ion Ratio Lower Upper

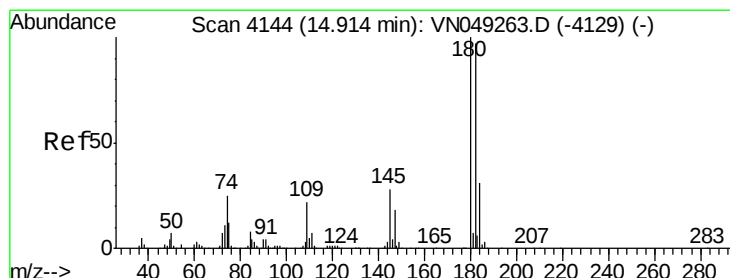
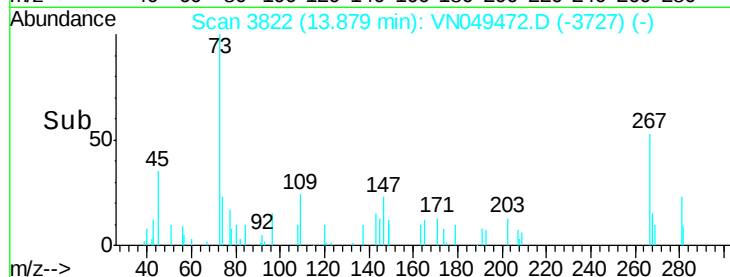
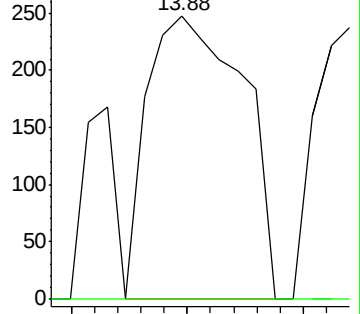
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 4.787 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN049472.D

Acq: 21 Jun 2018 17:02

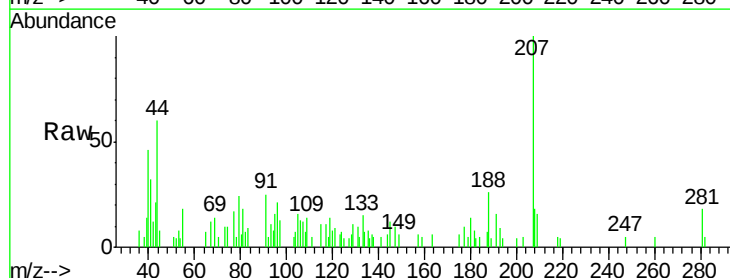
Tgt Ion:180 Resp: 625

Ion Ratio Lower Upper

180 100

182 78.1 46.9 140.8

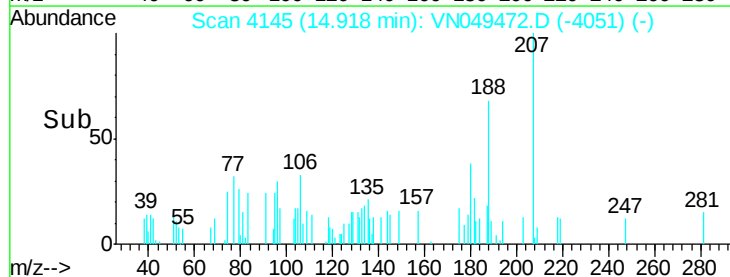
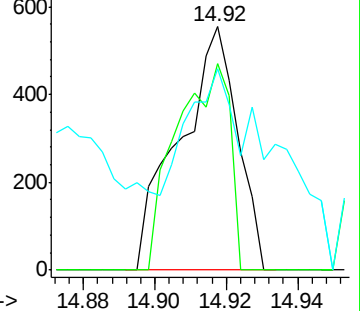
145 129.0 14.7 44.1#

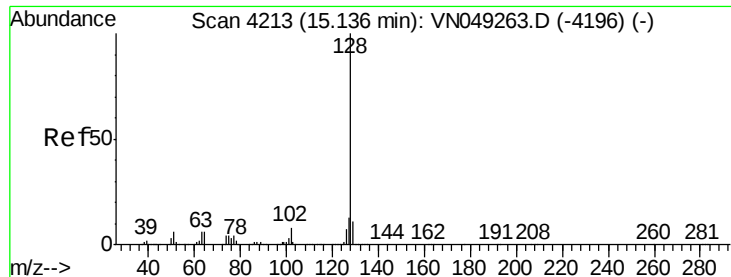


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

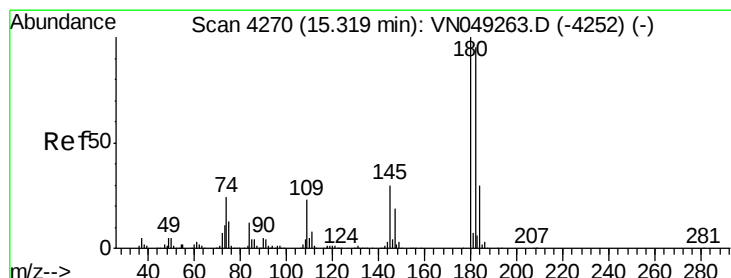
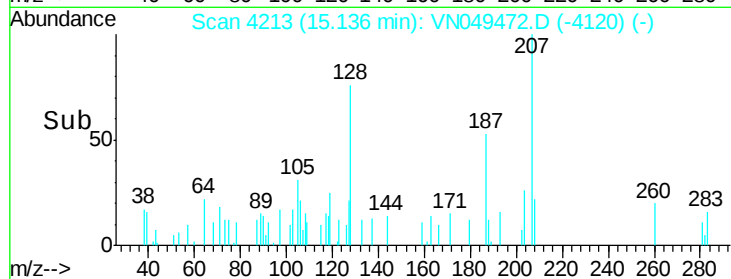
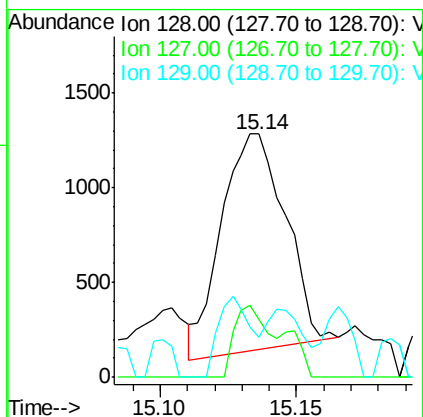
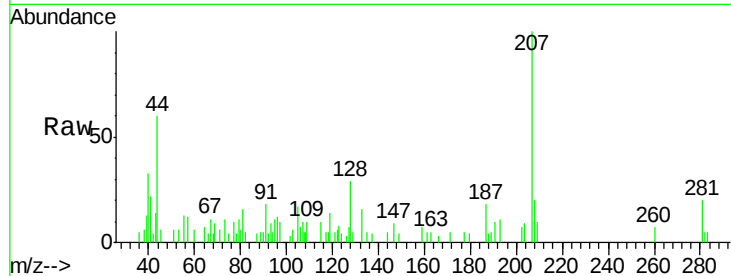




#95
Naphthalene
Concen: 2.169 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

Instrument :
MSVOA_N
ClientSampleId :
TP-13

Tgt Ion:128 Resp: 1864
Ion Ratio Lower Upper
128 100
127 17.8 10.6 16.0#
129 19.4 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 3.470 ug/l
RT: 15.33 min Scan# 4272
Delta R.T. 0.01 min
Lab File: VN049472.D
Acq: 21 Jun 2018 17:02

Tgt Ion:180 Resp: 163
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 213.5 15.6 46.7#

