

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052833.D
 Acq On : 12 Dec 2018 18:00
 Operator : MD\SY
 Sample : J6329-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 073-FB-121018

Quant Time: Dec 13 04:12:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1179650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1813534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1606952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	641079	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	604774	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	7.59	113	512051	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
50) Toluene-d8	10.09	98	2210657	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	711691	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

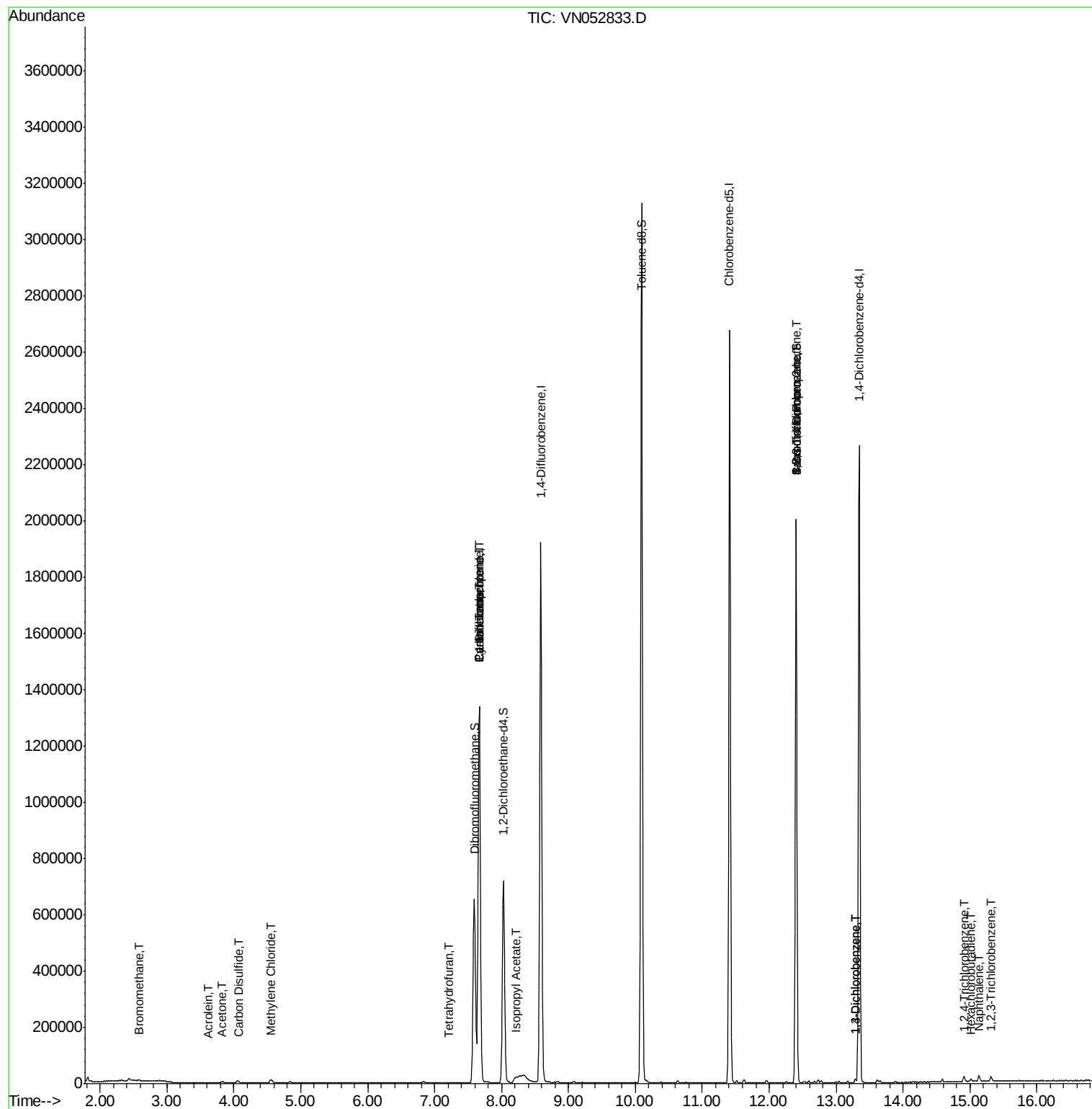
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	2037	0.227	ug/l #	77
13) Acrolein	3.61	56	770	1.167	ug/l	87
16) Acetone	3.83	43	9820	3.486	ug/l	93
17) Carbon Disulfide	4.06	76	14117	0.424	ug/l	96
20) Methylene Chloride	4.55	84	8268	0.652	ug/l	92
29) Tetrahydrofuran	7.22	42	1511	0.506	ug/l #	61
31) Cyclohexane	7.66	56	20476	0.388	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	78355	4.692	ug/l #	49
38) Carbon Tetrachloride	7.67	117	103673	6.744	ug/l #	16
43) Isopropyl Acetate	8.22	43	24204	1.177	ug/l #	53
71) Bromoform	12.41	173	4433	0.563	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	338294	35.766	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	338294	114.899	ug/l #	12
87) 1,3-Dichlorobenzene	13.28	146	4530	0.209	ug/l	93
88) 1,4-Dichlorobenzene	13.28	146	4530	0.211	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	6783	0.600	ug/l	98
94) Hexachlorobutadiene	15.01	225	1872	0.286	ug/l	92
95) Naphthalene	15.13	128	19660	0.839	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	6520	0.628	ug/l	99

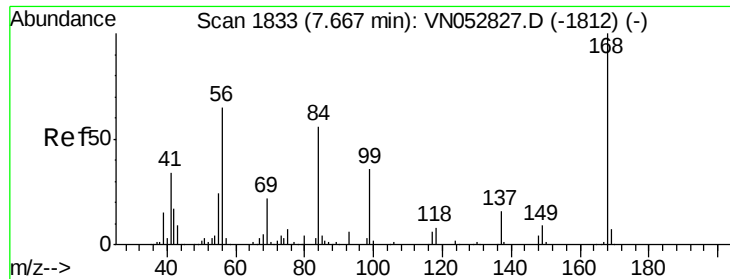
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN052833.D
Acq On : 12 Dec 2018 18:00
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Sample : J6329-03
Misc : 5.00mL/MSVOA N/WATER
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

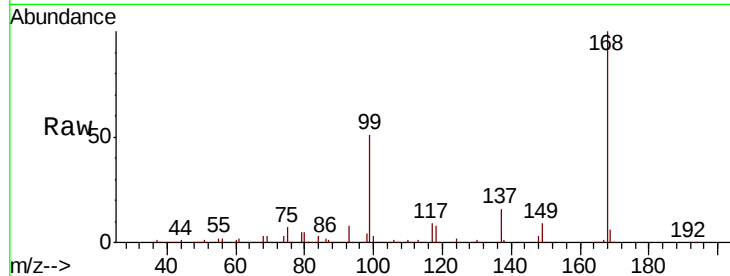
073-FB-121018

Tot Ion:168 Resp: 1179650

Ion Ratio Lower Upper

168 100

99 51.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

500000

400000

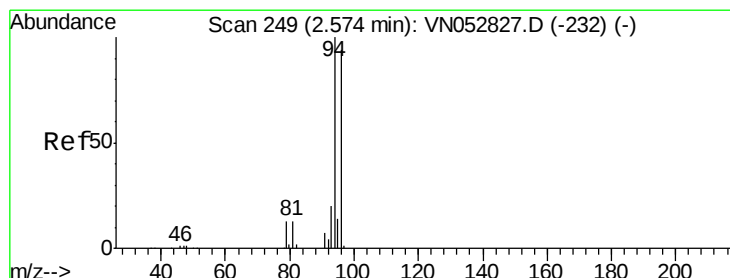
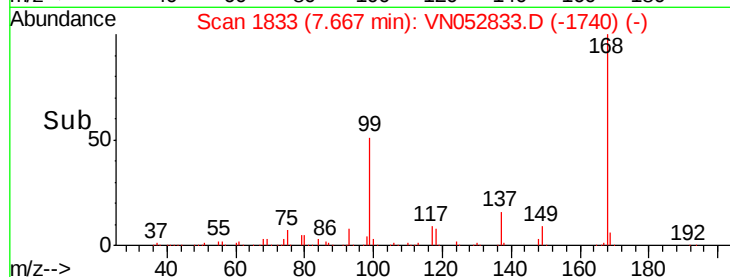
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052833.D

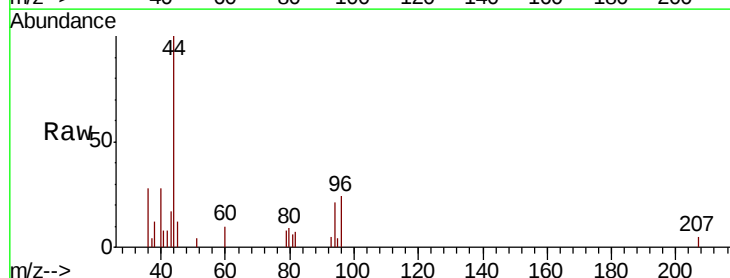
Acq: 12 Dec 2018 18:00

Tgt Ion: 94 Resp: 2037

Ion Ratio Lower Upper

94 100

96 116.3 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VN052827.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052827.D (-232) (-)

2.58

1200

1000

800

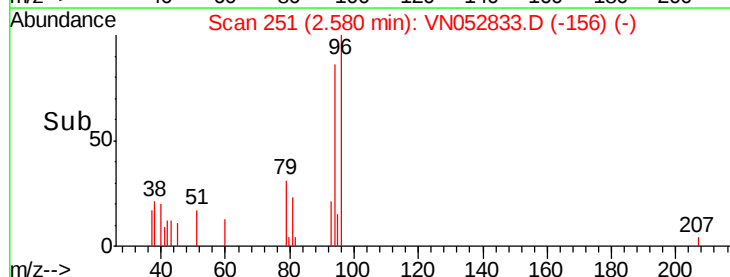
600

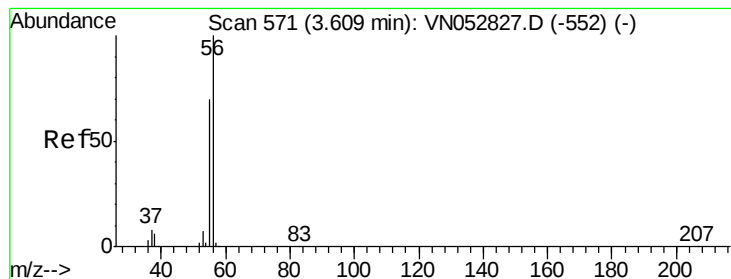
400

200

0

Time-->





#13

Acrolein

Concen: 1.167 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

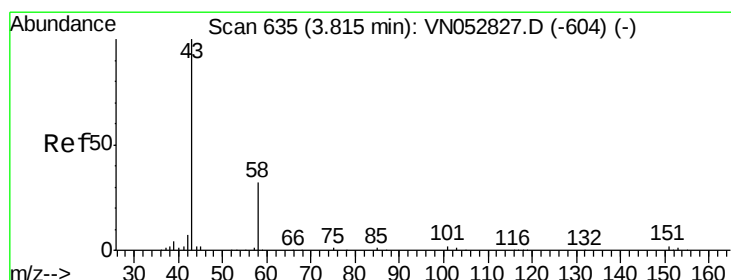
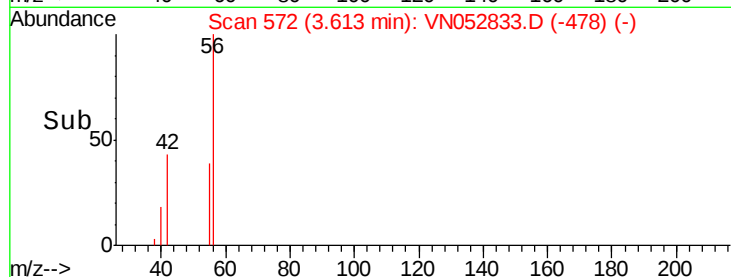
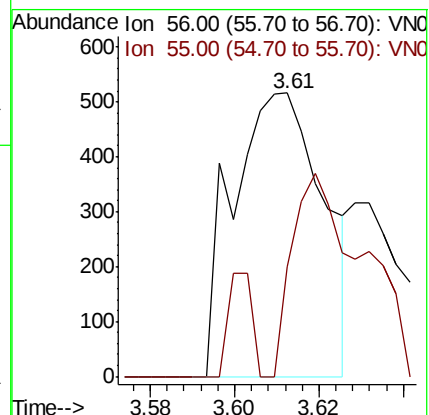
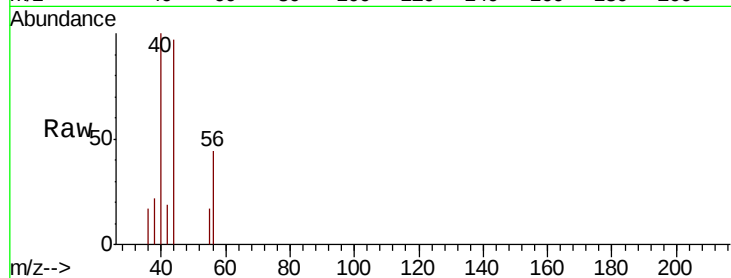
073-FB-121018

Tot Ion: 56 Resp: 770

Ion Ratio Lower Upper

56 100

55 59.7 56.6 85.0



#16

Acetone

Concen: 3.486 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052833.D

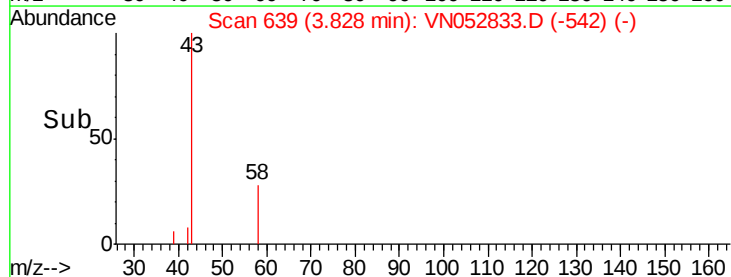
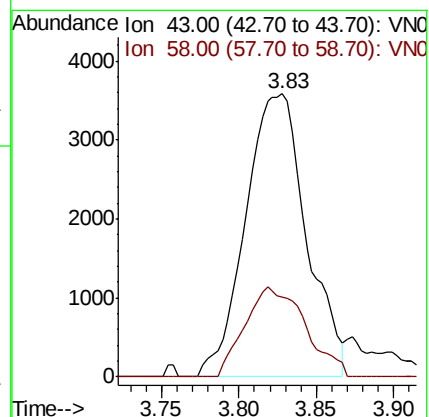
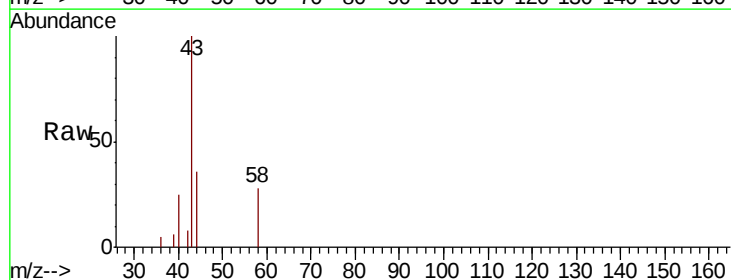
Acq: 12 Dec 2018 18:00

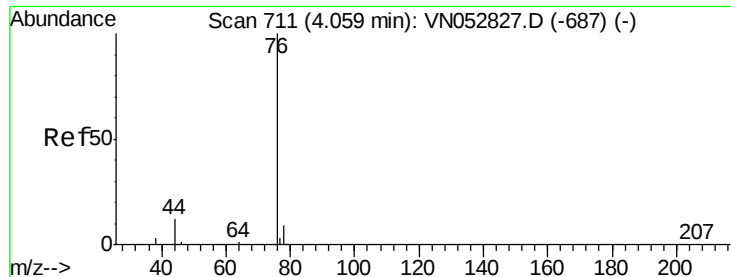
Tgt Ion: 43 Resp: 9820

Ion Ratio Lower Upper

43 100

58 28.1 25.4 38.0





#17

Carbon Disulfide

Concen: 0.424 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

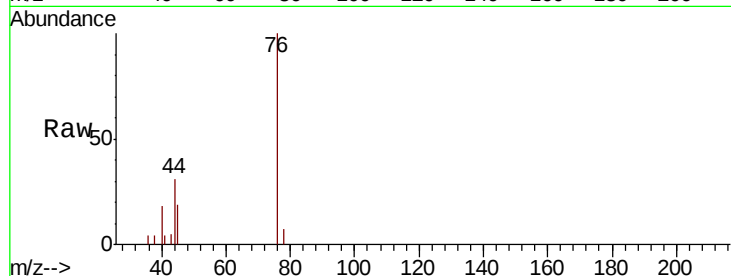
073-FB-121018

Tot Ion: 76 Resp: 14117

Ion Ratio Lower Upper

76 100

78 7.4 7.1 10.7

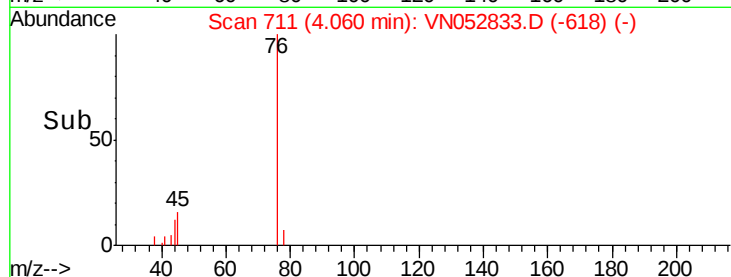


Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

Time-->



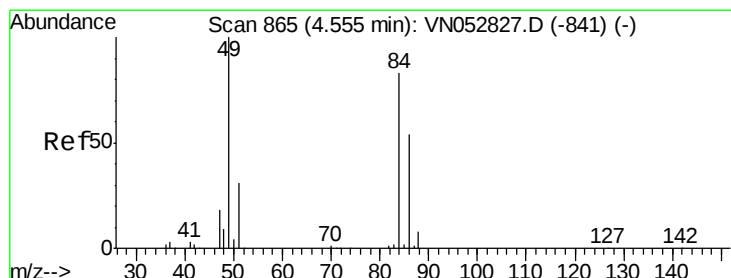
Abundance

Ion 75.90 (75.60 to 76.60): VN052833.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN052833.D (-618) (-)

4.06

Time-->



#20

Methylene Chloride

Concen: 0.652 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.01 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Tgt Ion: 84 Resp: 8268

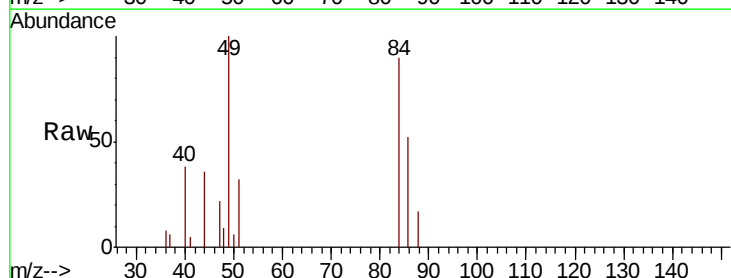
Ion Ratio Lower Upper

84 100

49 110.7 96.8 145.2

51 35.4 29.9 44.9

86 58.0 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052827.D (-841) (-)

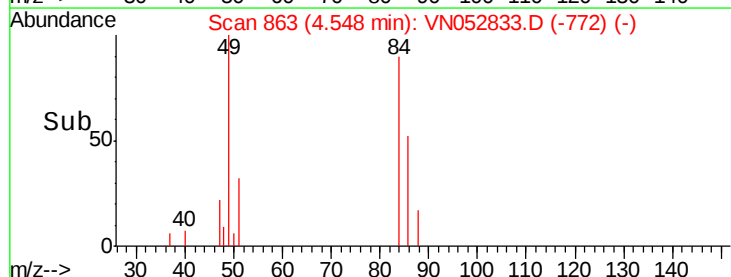
Ion 48.90 (48.60 to 49.60): VN052827.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052827.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052827.D (-841) (-)

4.55

Time-->



Abundance

Ion 83.90 (83.60 to 84.60): VN052833.D (-772) (-)

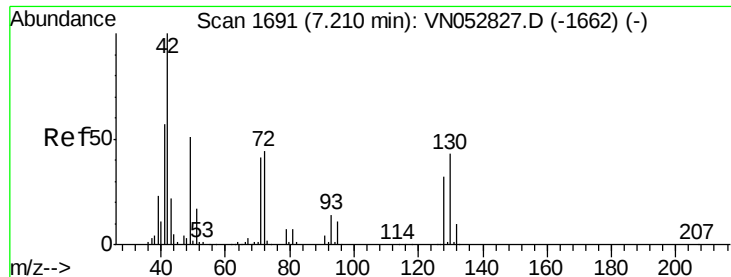
Ion 48.90 (48.60 to 49.60): VN052833.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN052833.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN052833.D (-772) (-)

4.55

Time-->



#29

Tetrahydrofuran

Concen: 0.506 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

073-FB-121018

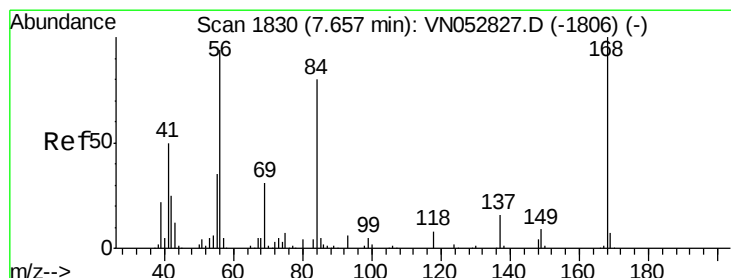
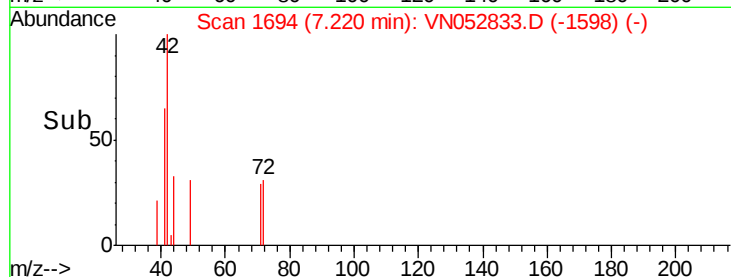
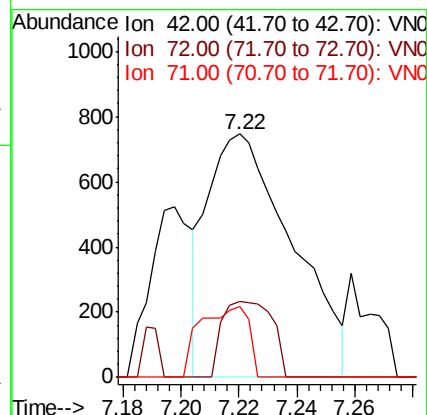
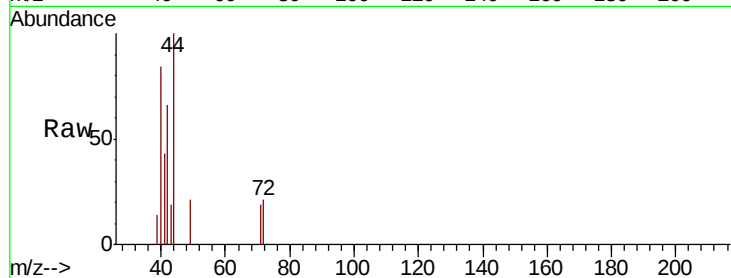
Tot Ion: 42 Resp: 1511

Ion Ratio Lower Upper

42 100

72 18.3 34.7 52.1#

71 16.6 32.3 48.5#



#31

Cyclohexane

Concen: 0.388 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

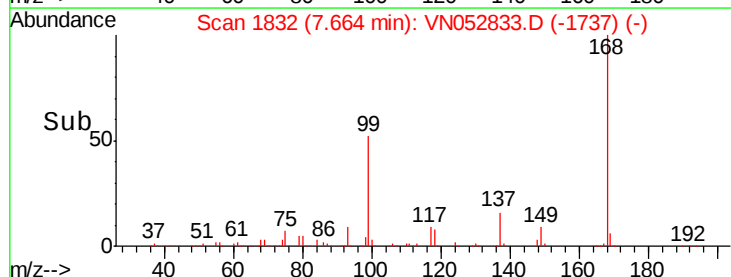
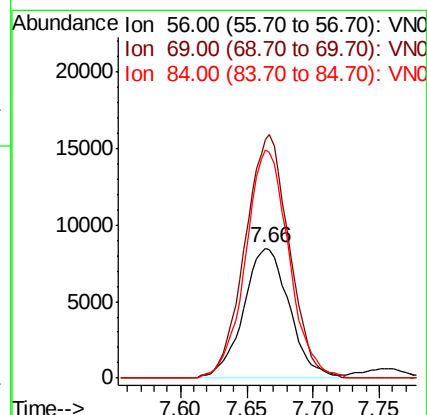
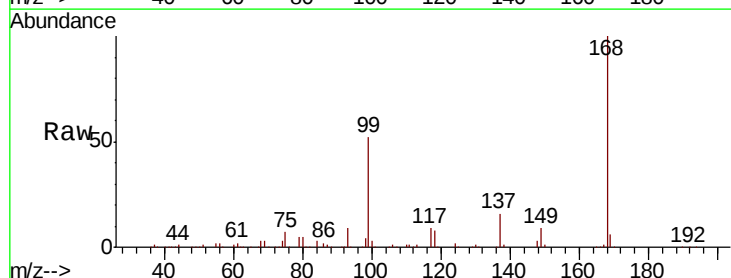
Tgt Ion: 56 Resp: 20476

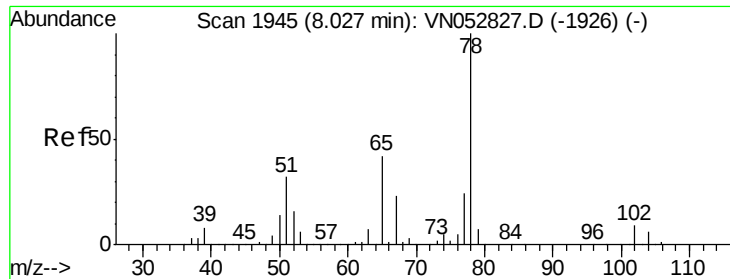
Ion Ratio Lower Upper

56 100

69 182.7 26.6 39.8#

84 174.9 68.4 102.6#

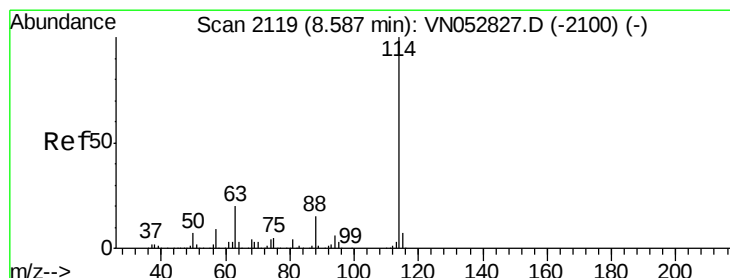
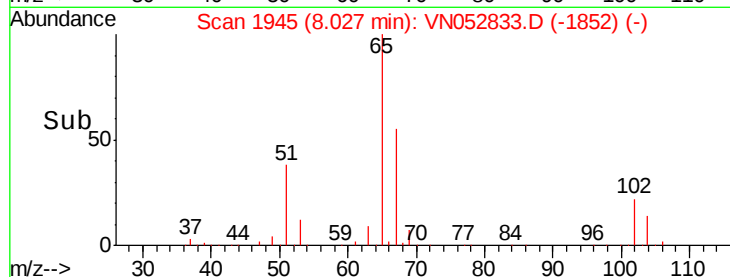
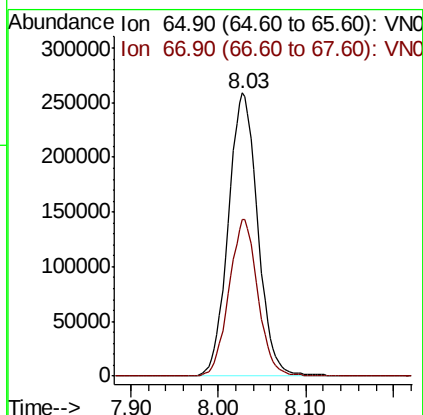
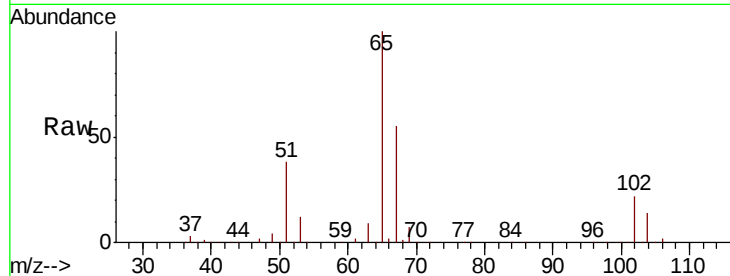




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

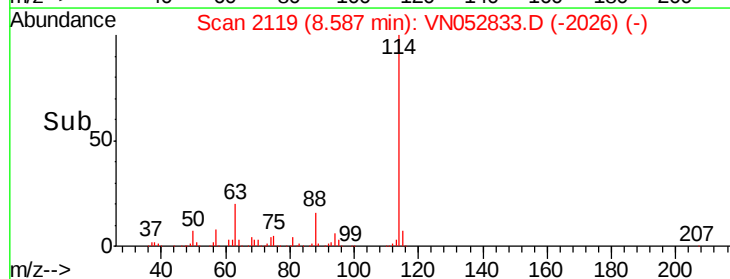
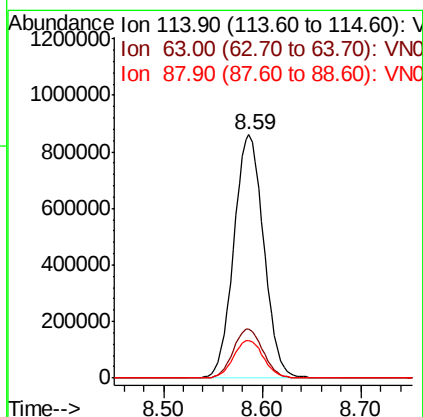
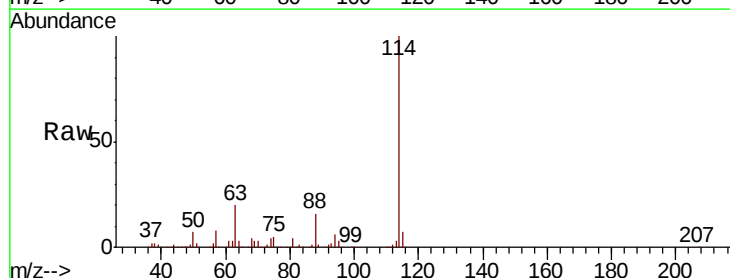
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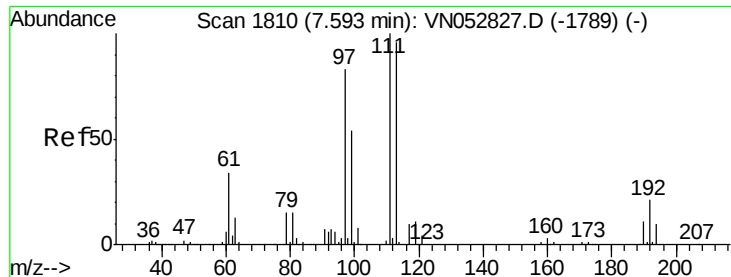
Tot Ion: 65 Resp: 604774
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

Tgt Ion: 114 Resp: 1813534
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.6 0.0 31.0

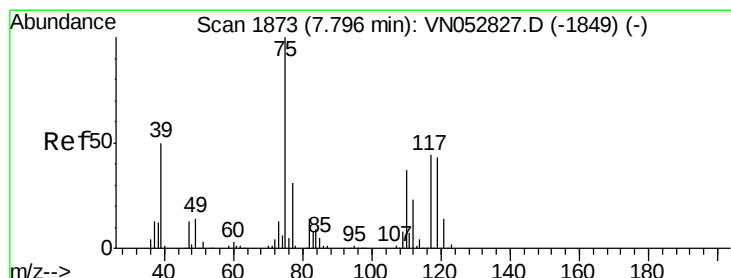
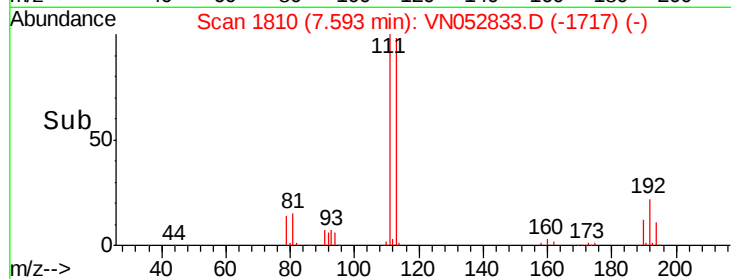
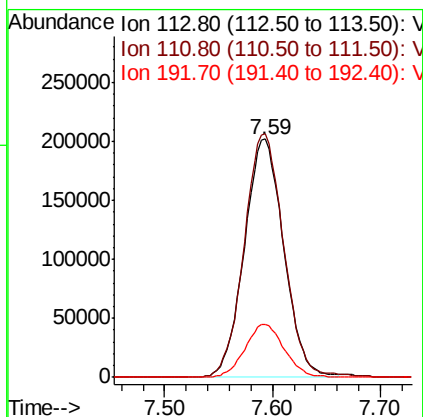
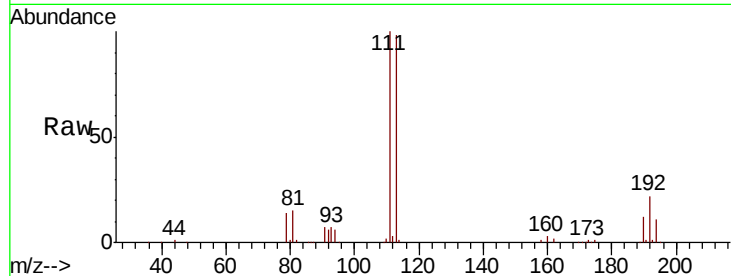




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

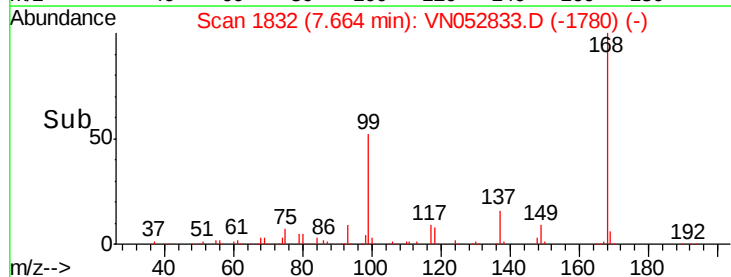
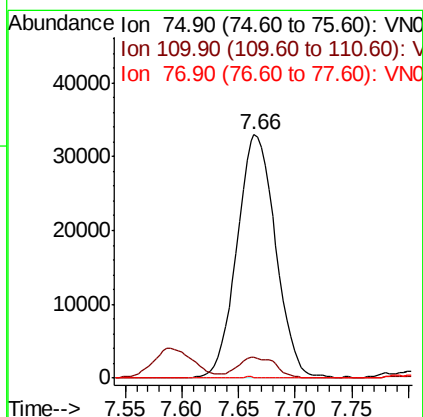
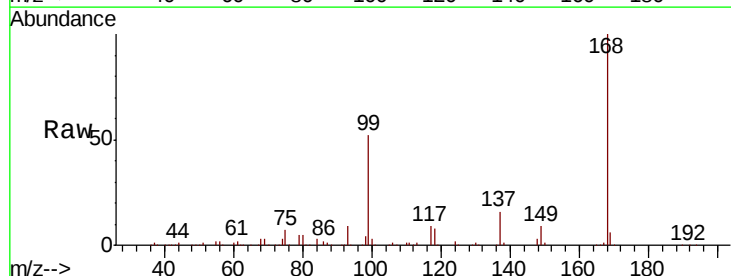
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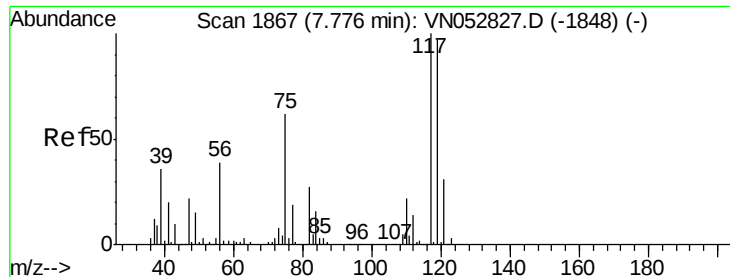
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.0	124.4
192	22.4	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.1	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.744 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

073-FB-121018

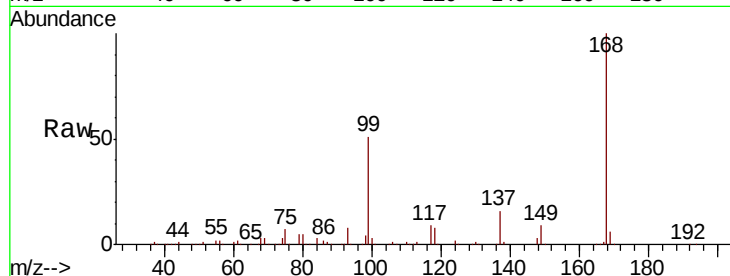
Tot Ion:117 Resp: 103673

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

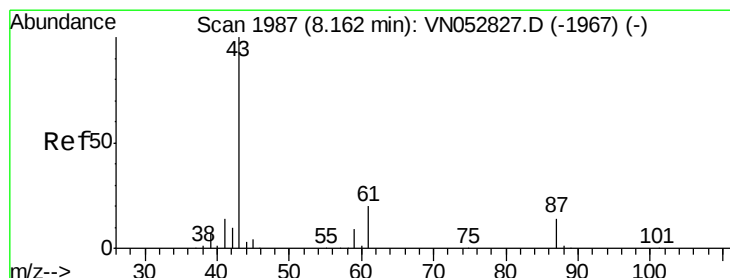
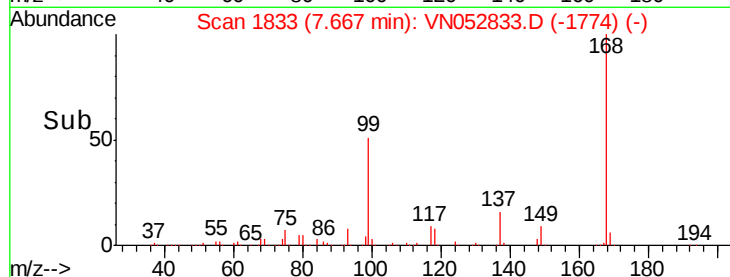
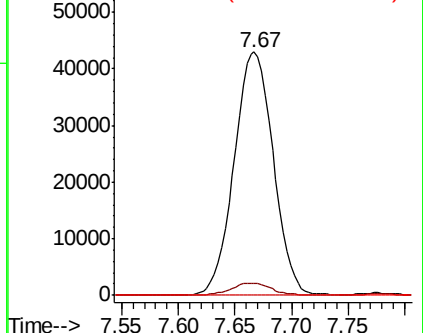
121 0.0 24.9 37.3#



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



#43

Isopropyl Acetate

Concen: 1.177 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

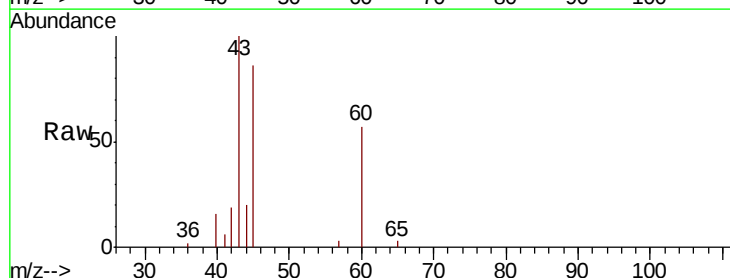
Tgt Ion: 43 Resp: 24204

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

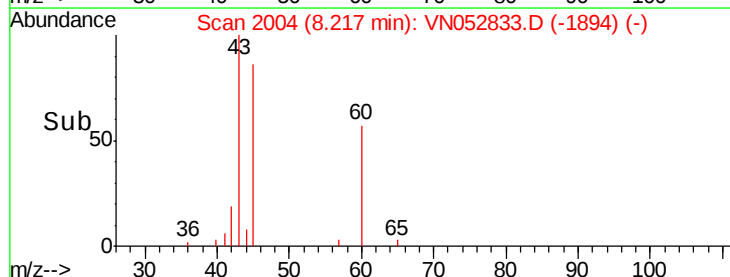
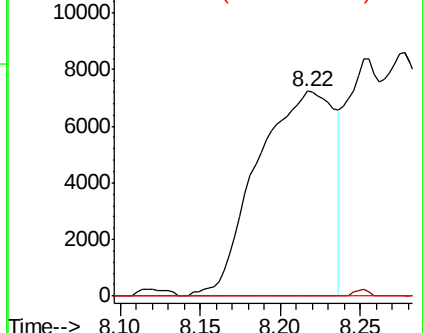
87 0.0 10.6 15.8#

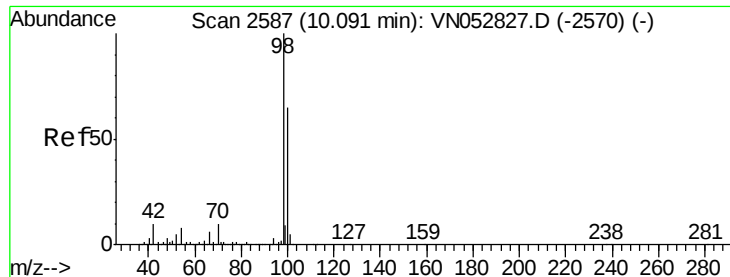


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

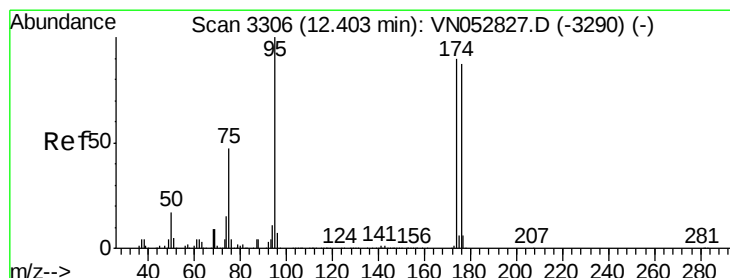
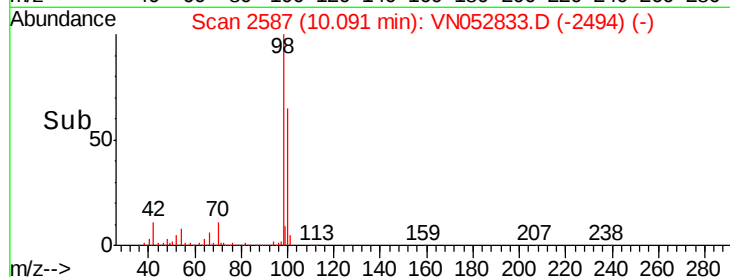
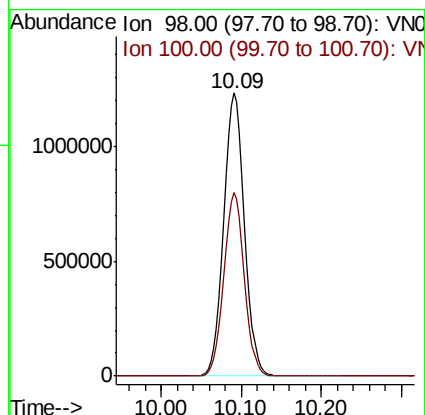
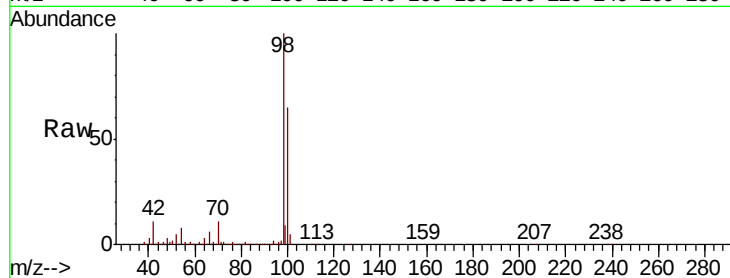
073-FB-121018

Tot Ion: 98 Resp: 2210657

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

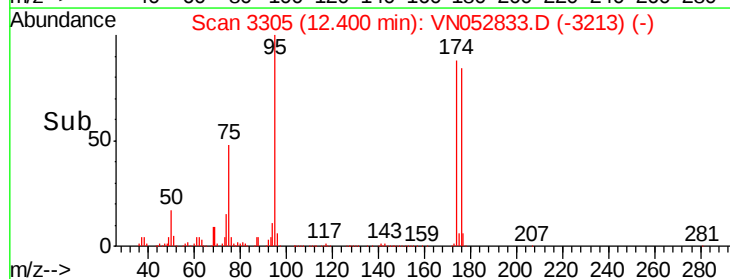
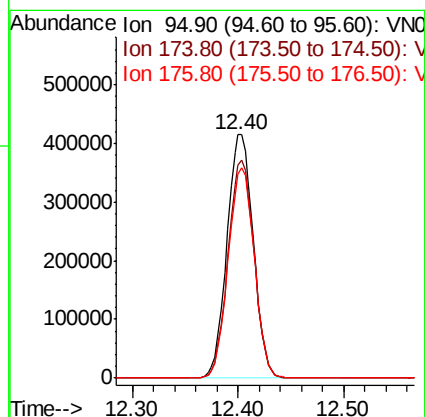
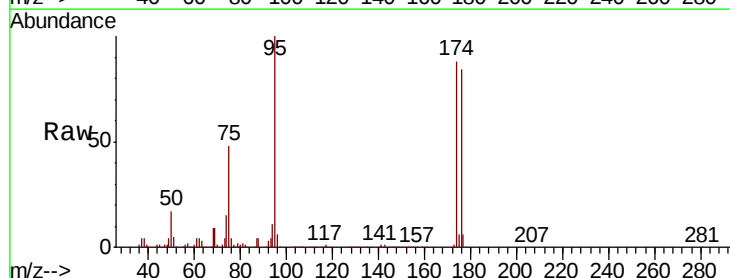
Tgt Ion: 95 Resp: 711691

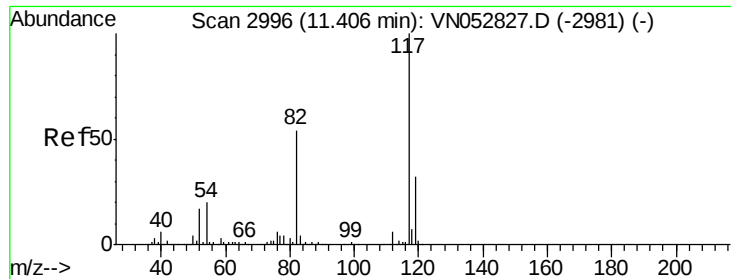
Ion Ratio Lower Upper

95 100

174 88.8 0.0 178.8

176 86.2 0.0 173.8

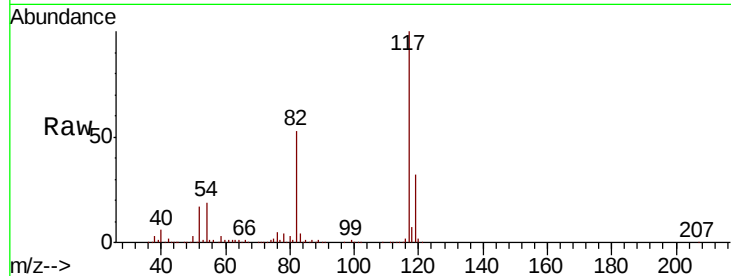




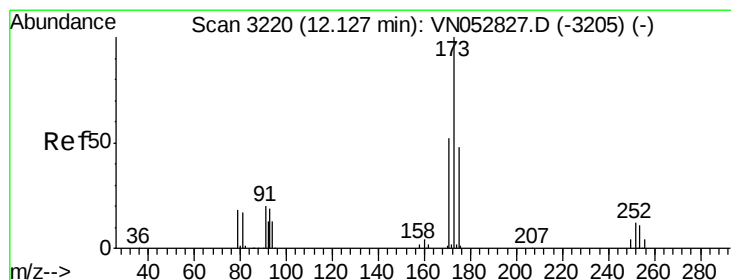
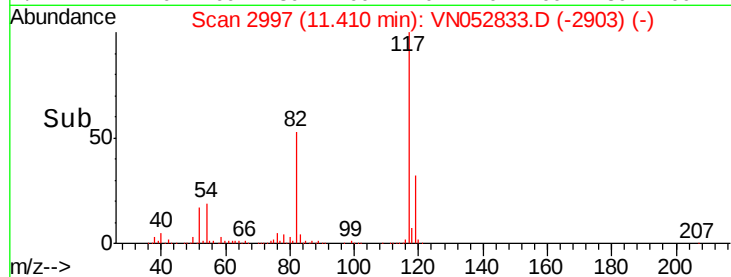
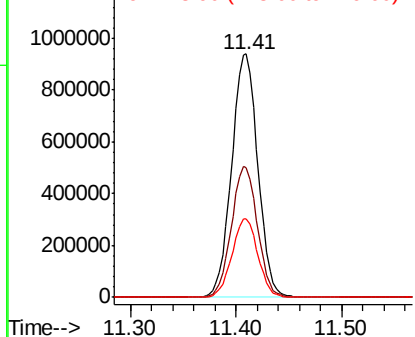
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052833.D
Acq: 12 Dec 2018 18:00

Instrument :
MSVOA_N
ClientSampleId :
073-FB-121018

Tot Ion:117 Resp: 1606952
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.4 25.5 38.3

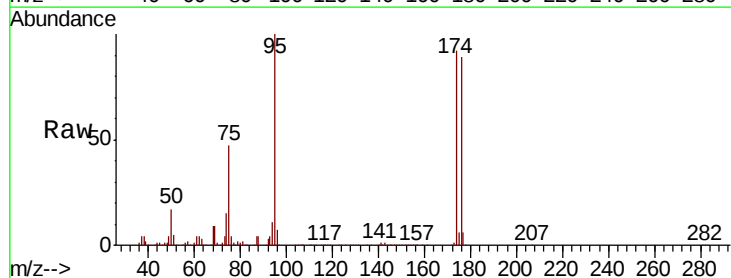


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

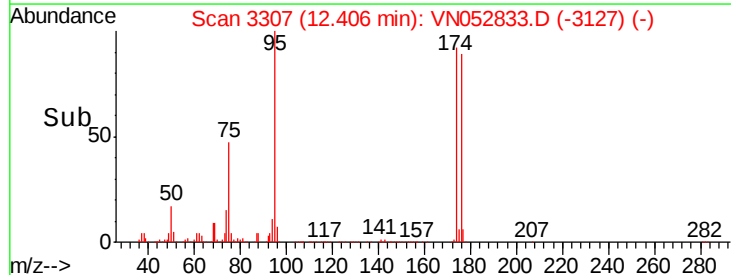
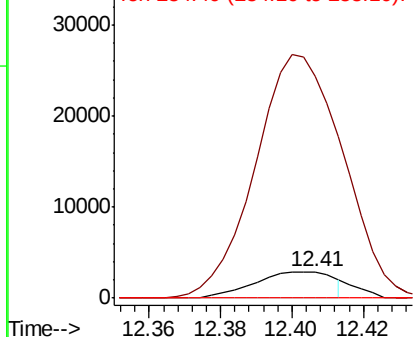


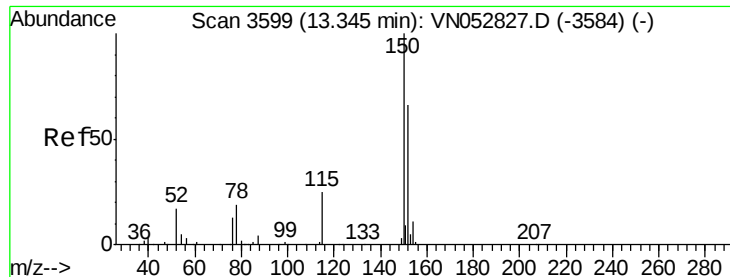
#71
Bromoform
Concen: 0.563 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN052833.D
Acq: 12 Dec 2018 18:00

Tgt Ion:173 Resp: 4433
Ion Ratio Lower Upper
173 100
175 888.3 24.3 72.9#
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

073-FB-121018

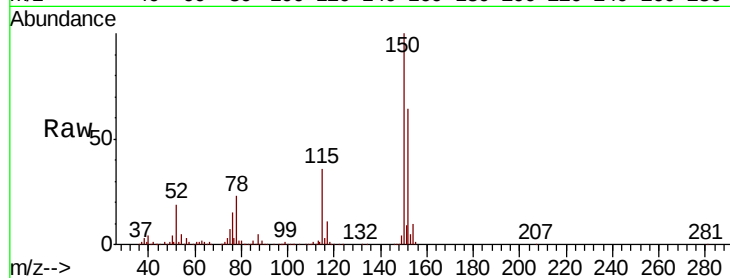
Tot Ion:152 Resp: 641079

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

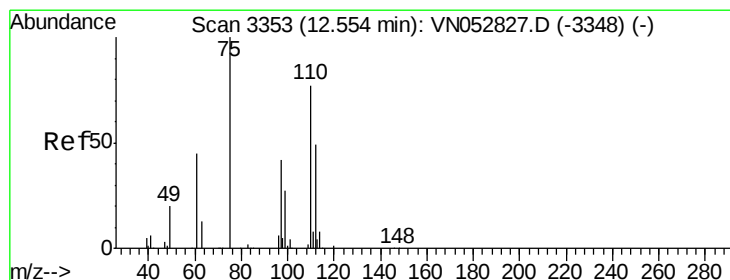
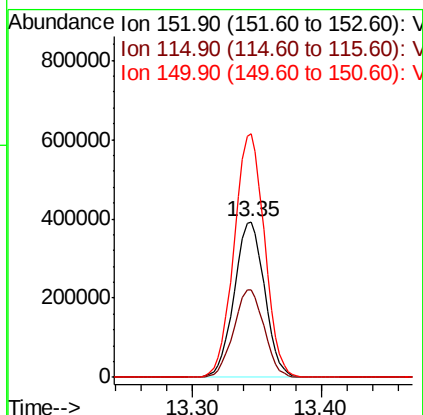
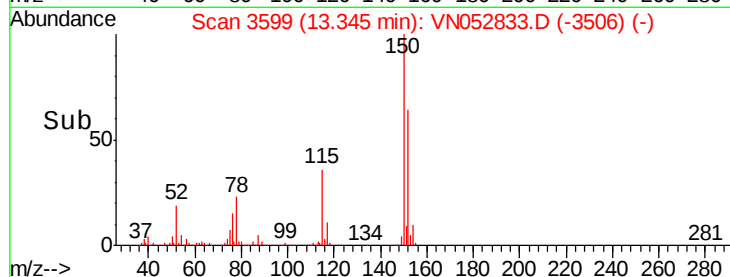
150 157.1 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 35.766 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052833.D

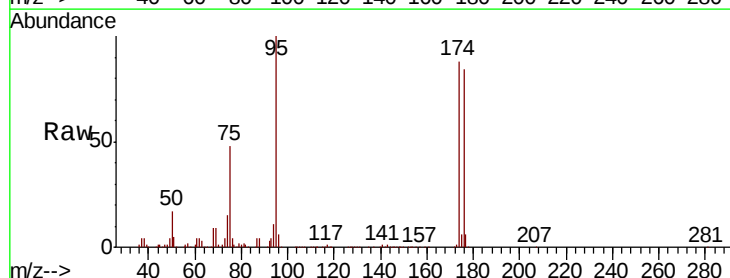
Acq: 12 Dec 2018 18:00

Tgt Ion: 75 Resp: 338294

Ion Ratio Lower Upper

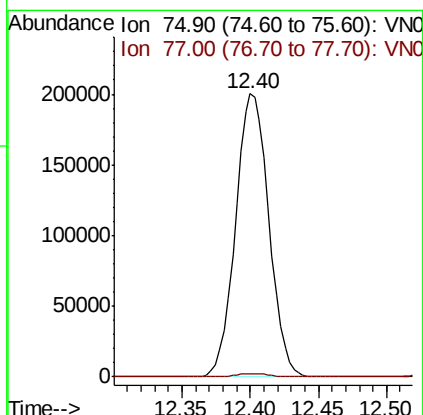
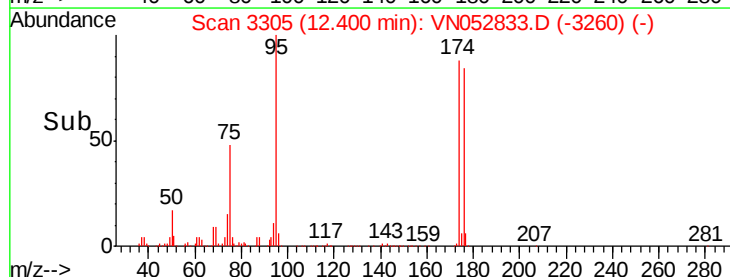
75 100

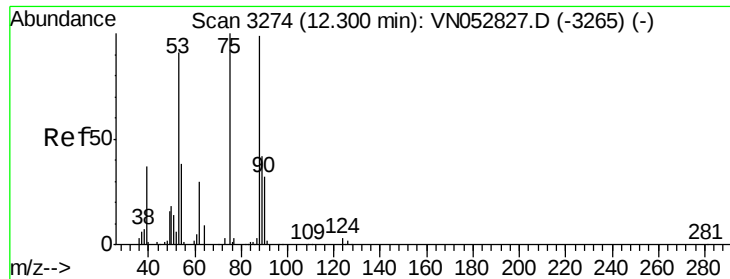
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.899 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampled :

073-FB-121018

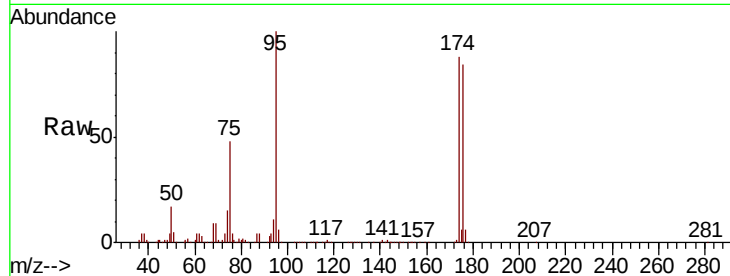
Tot Ion: 75 Resp: 338294

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

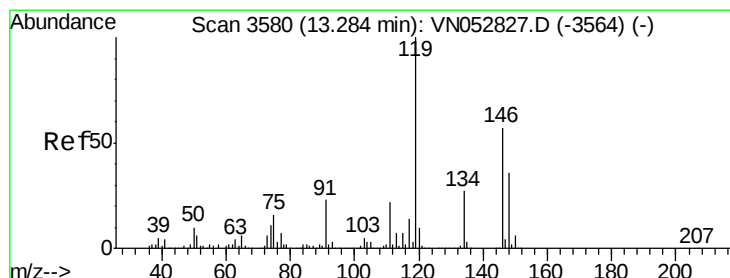
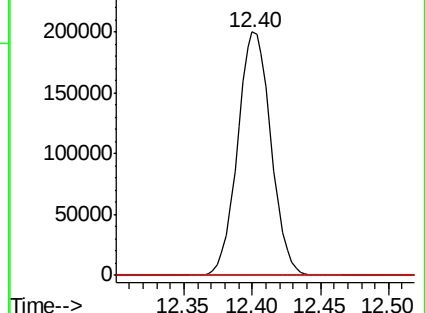
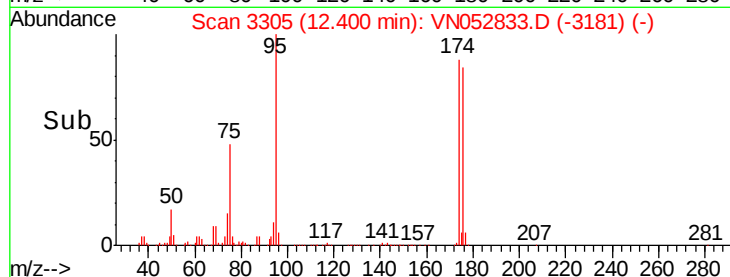
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052827.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052827.D (-3265) (-)



#87

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

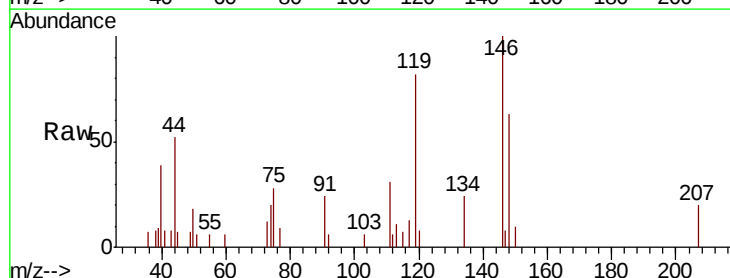
Tgt Ion: 146 Resp: 4530

Ion Ratio Lower Upper

146 100

111 34.3 19.1 57.1

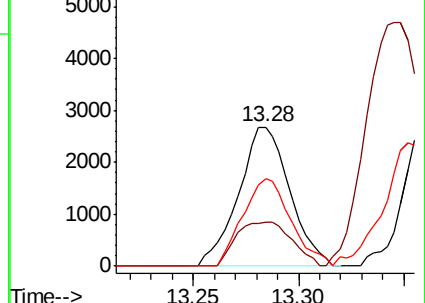
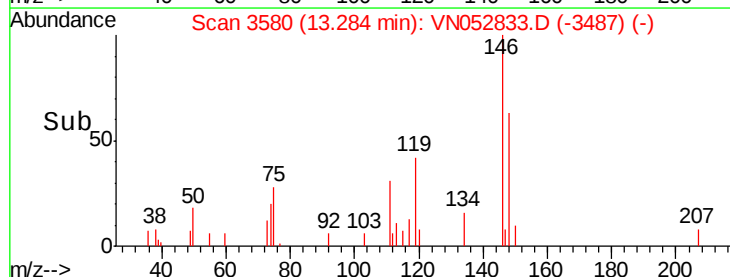
148 58.5 32.0 96.0

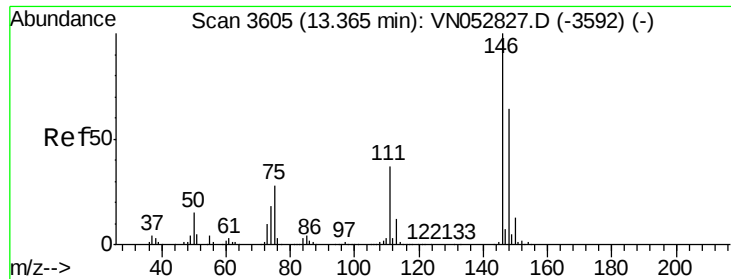


Abundance Ion 145.90 (145.60 to 146.60): VN052827.D (-3564) (-)

Ion 110.90 (110.60 to 111.60): VN052827.D (-3564) (-)

Ion 147.90 (147.60 to 148.60): VN052827.D (-3564) (-)

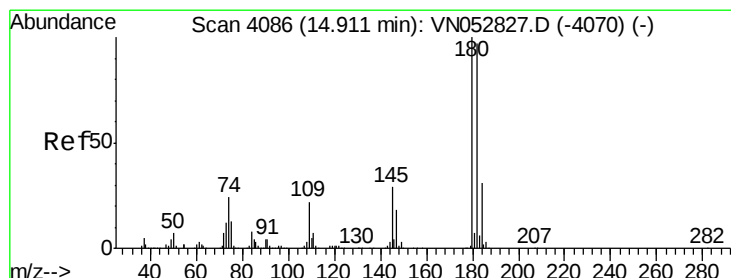
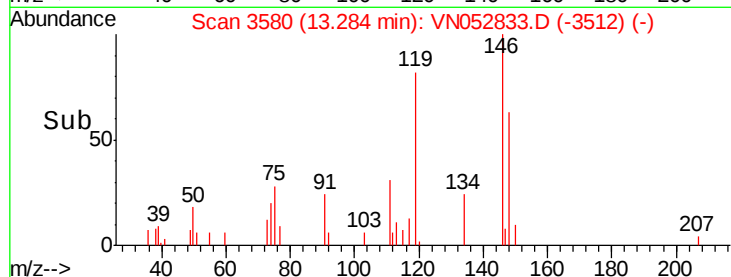
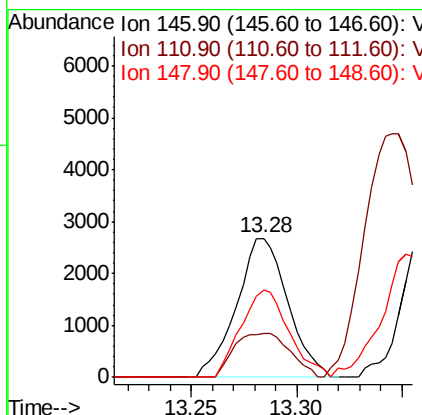
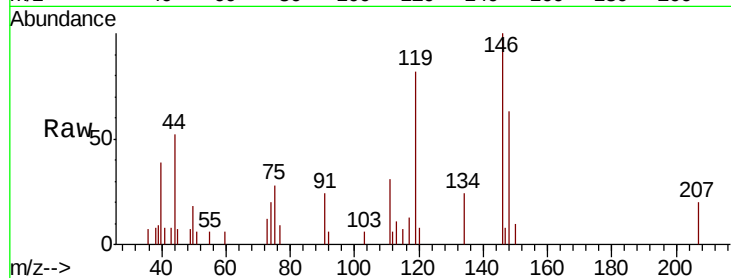




#88
 1,4-Dichlorobenzene
 Concen: 0.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

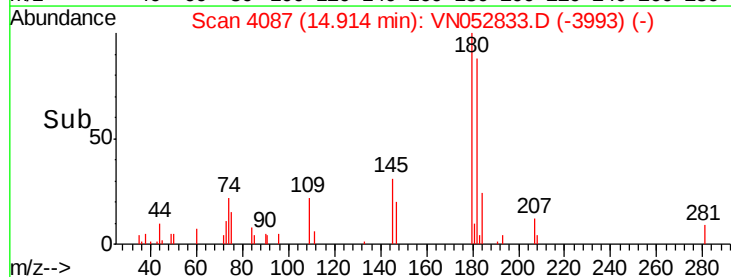
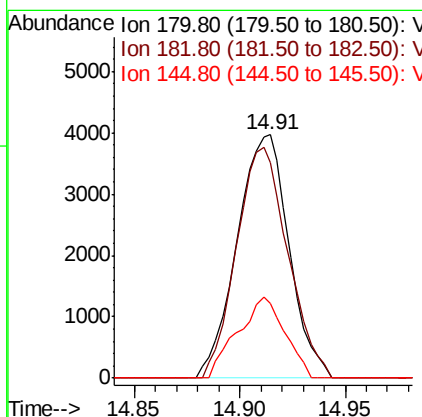
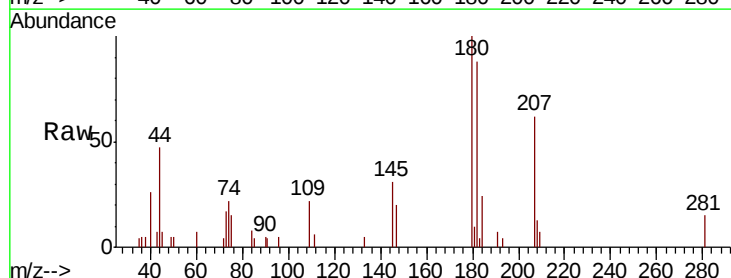
Instrument :
 MSVOA_N
 ClientSampleId :
 073-FB-121018

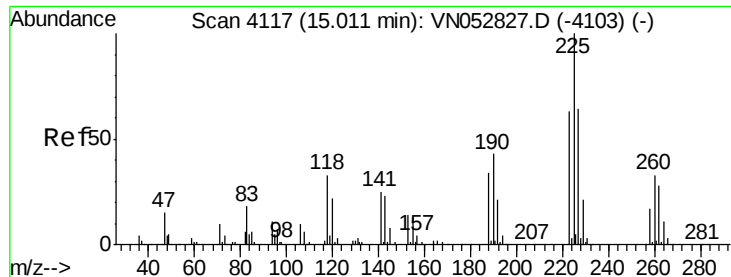
Tot Ion:146 Resp: 4530
 Ion Ratio Lower Upper
 146 100
 111 34.3 18.6 55.8
 148 58.5 32.1 96.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.600 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

Tgt Ion:180 Resp: 6783
 Ion Ratio Lower Upper
 180 100
 182 93.7 47.8 143.3
 145 30.2 14.2 42.6





#94

Hexachlorobutadiene

Concen: 0.286 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

Instrument :

MSVOA_N

ClientSampleId :

073-FB-121018

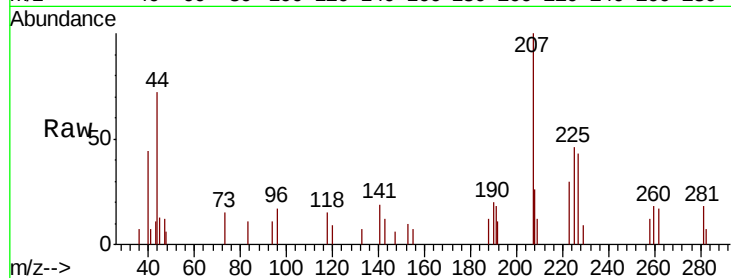
Tot Ion:225 Resp: 1872

Ion Ratio Lower Upper

225 100

223 56.5 31.5 94.5

227 70.1 31.9 95.7

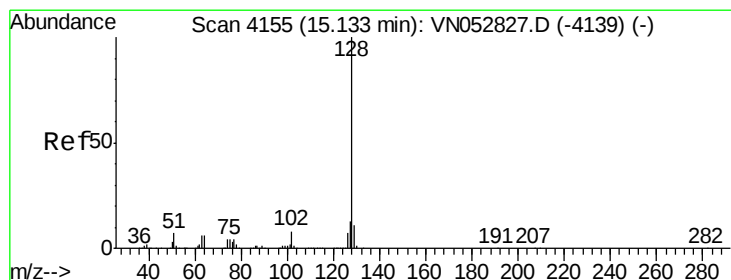
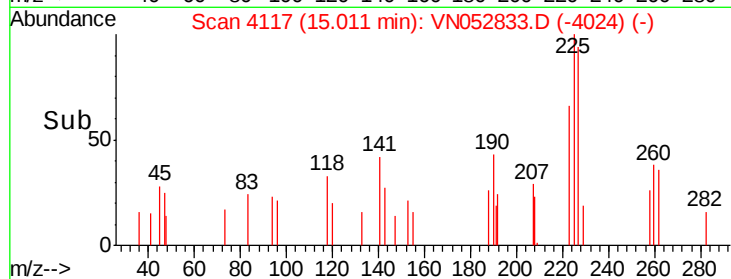
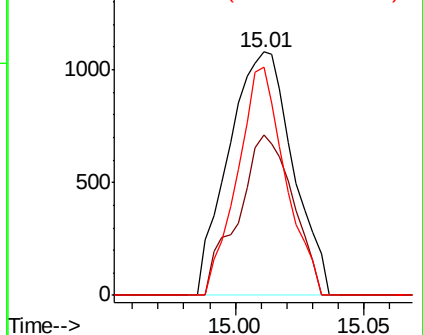


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.839 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052833.D

Acq: 12 Dec 2018 18:00

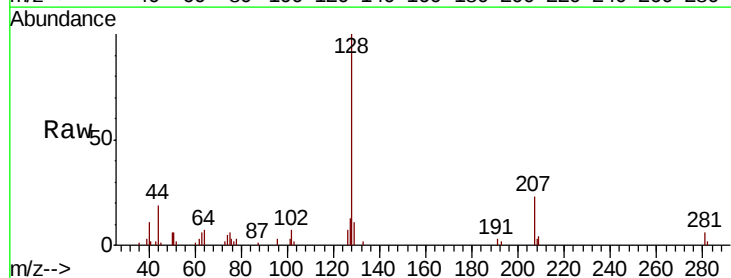
Tgt Ion:128 Resp: 19660

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

129 9.6 8.6 13.0

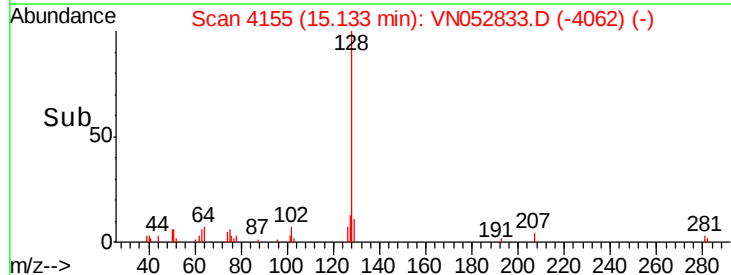
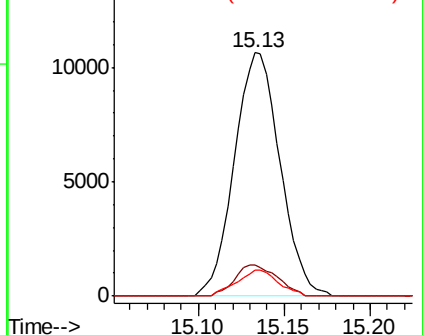


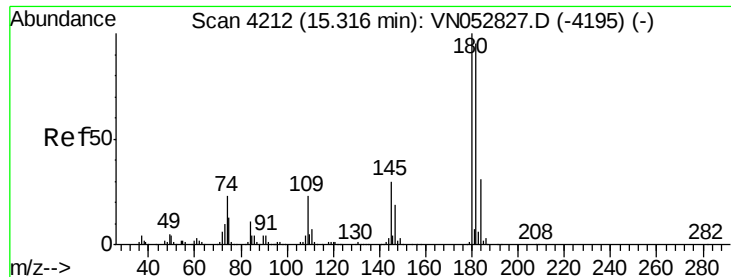
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

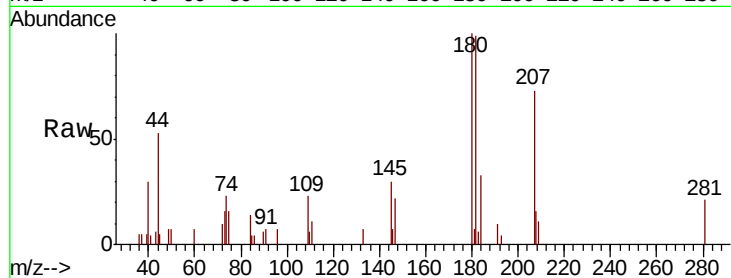




#96
 1,2,3-Trichlorobenzene
 Concen: 0.628 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052833.D
 Acq: 12 Dec 2018 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 073-FB-121018

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	32.4	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

