

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053112.D
 Acq On : 21 Dec 2018 19:49
 Operator : MD\SY
 Sample : J6377-14ME 10X
 Misc : 4.66µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD005-0612-01ME

Quant Time: Dec 22 01:19:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1216147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1847174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1645923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	678935	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	596224	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
35) Dibromofluoromethane	7.59	113	478435	56.70	ug/l	0.00
Spiked Amount			Recovery	=	113.40%	
50) Toluene-d8	10.09	98	2250386	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	751707	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	

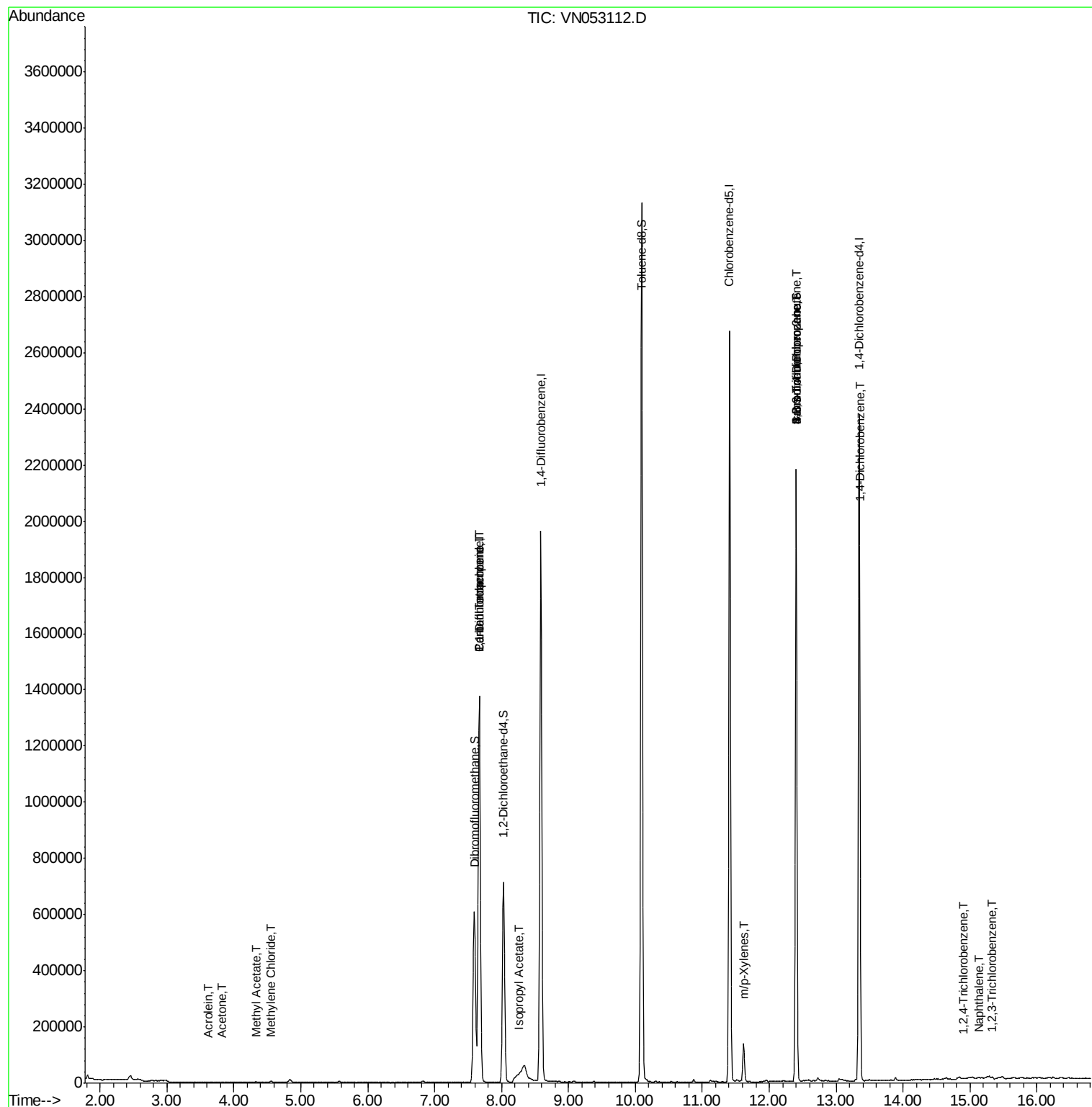
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	186	0.272	ug/l #	14
16) Acetone	3.82	43	2580	1.066	ug/l	89
18) Methyl Acetate	4.33	43	5541	1.486	ug/l #	88
20) Methylene Chloride	4.55	84	3107	0.235	ug/l	89
31) Cyclohexane	7.67	56	19991	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	79002	4.456	ug/l #	48
38) Carbon Tetrachloride	7.67	117	103699	6.381	ug/l #	16
43) Isopropyl Acetate	8.25	43	33830	0.737	ug/l #	54
68) m/p-Xylenes	11.62	106	42006	1.761	ug/l	97
71) Bromoform	12.40	173	3999	0.436	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	348143	30.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	348143	98.179	ug/l #	12
88) 1,4-Dichlorobenzene	13.36	146	5635	0.228	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	419	0.630	ug/l #	85
95) Naphthalene	15.14	128	3548	1.276	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	204	0.526	ug/l #	21

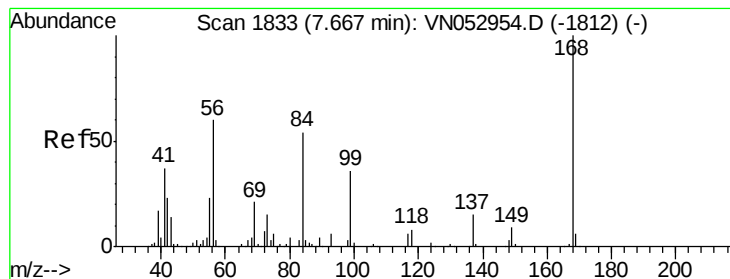
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

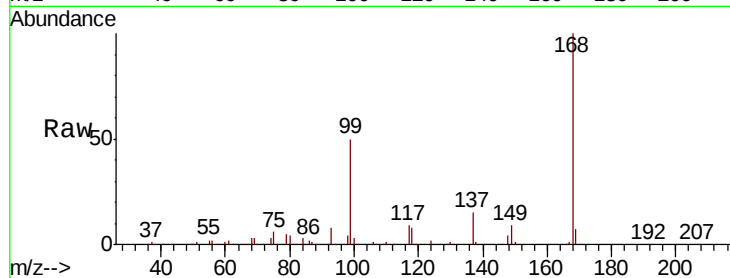
P001-SD005-0612-01ME

Tot Ion:168 Resp: 1216147

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053112.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053112.D (-1740) (-)

7.67

600000

500000

400000

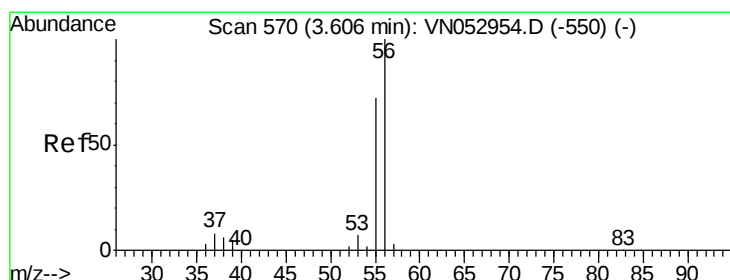
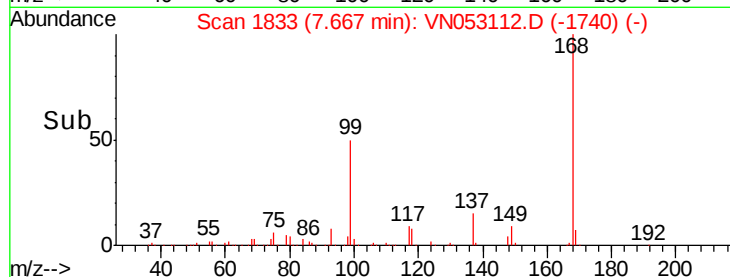
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.272 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN053112.D

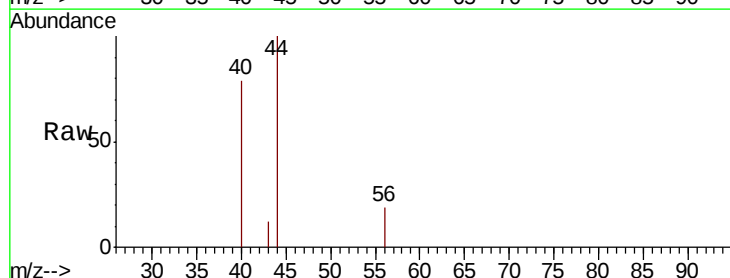
Acq: 21 Dec 2018 19:49

Tgt Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053112.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053112.D (-477) (-)

3.62

250

200

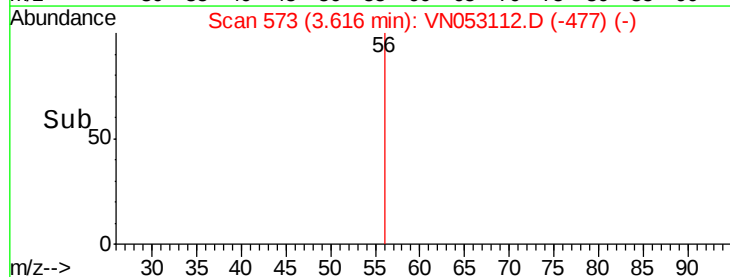
150

100

50

0

Time--> 3.60 3.61 3.62 3.63





#16

Acetone

Concen: 1.066 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

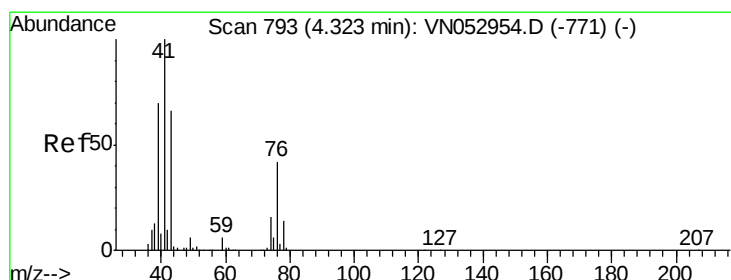
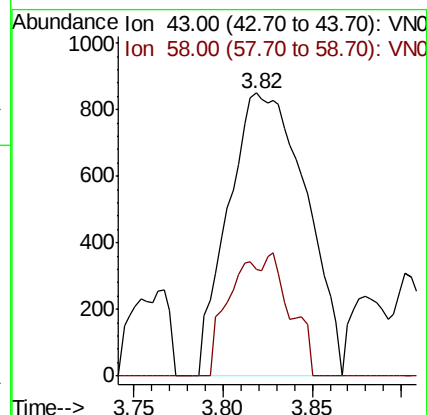
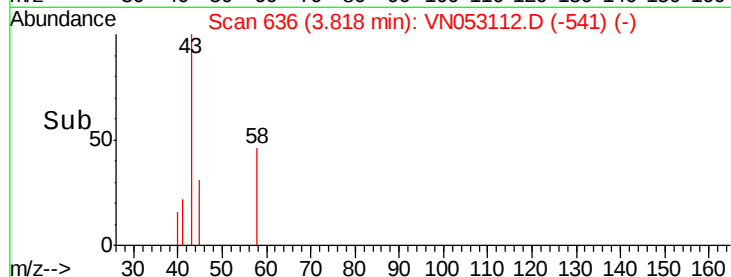
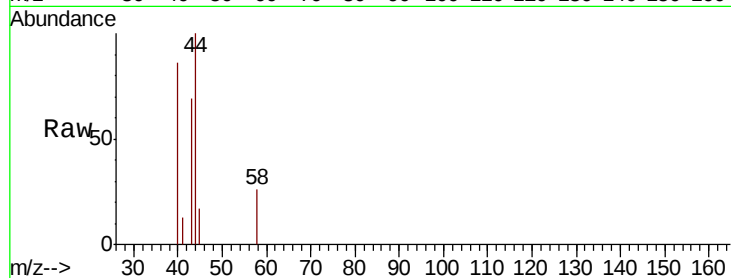
P001-SD005-0612-01ME

Tot Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

58 37.6 25.4 38.0



#18

Methyl Acetate

Concen: 1.486 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053112.D

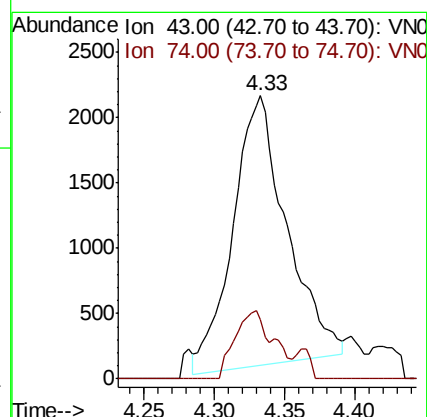
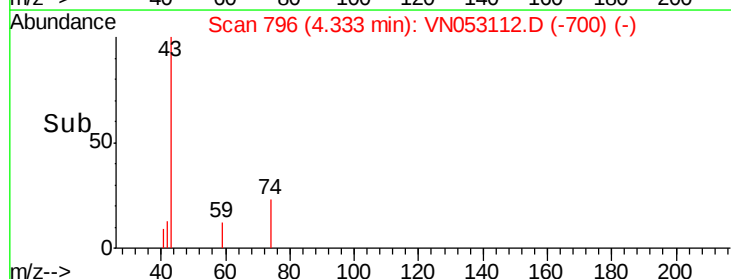
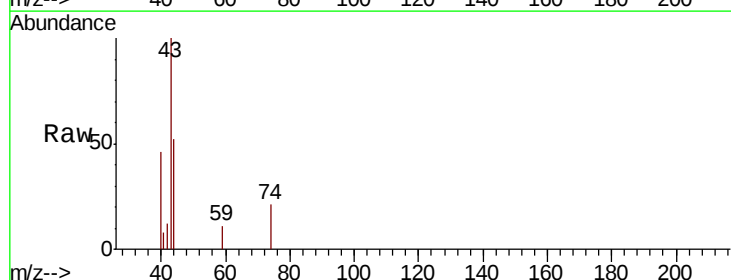
Acq: 21 Dec 2018 19:49

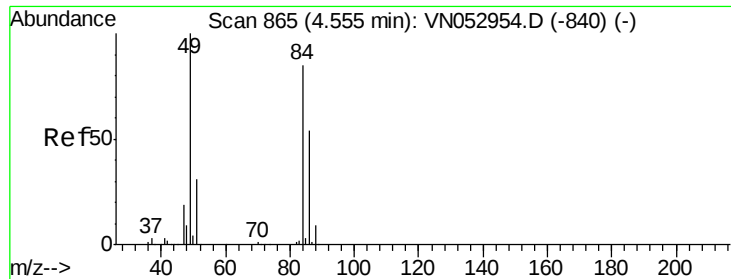
Tgt Ion: 43 Resp: 5541

Ion Ratio Lower Upper

43 100

74 18.2 19.2 28.8#

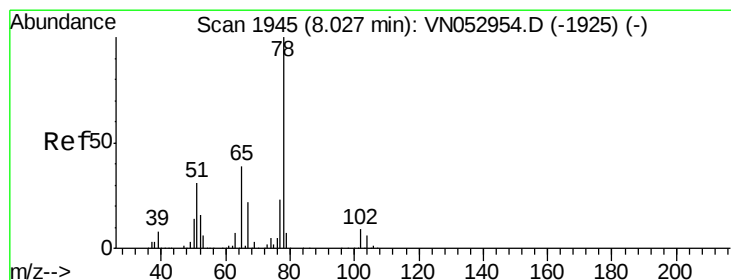
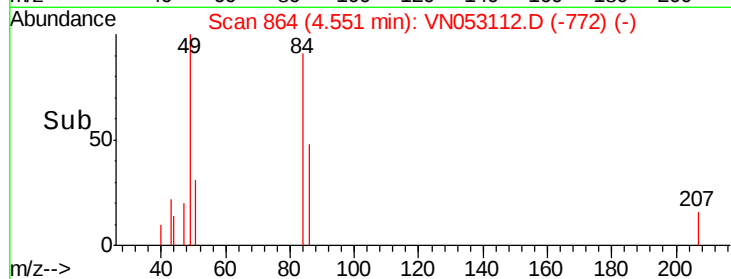
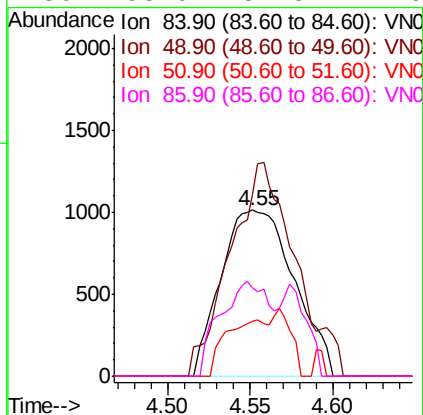
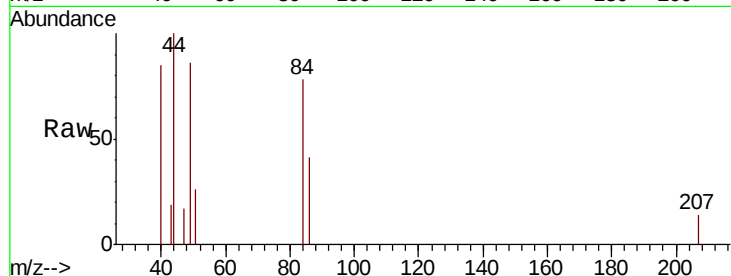




#20
Methvlene Chloride
Concen: 0.235 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053112.D
Acq: 21 Dec 2018 19:49

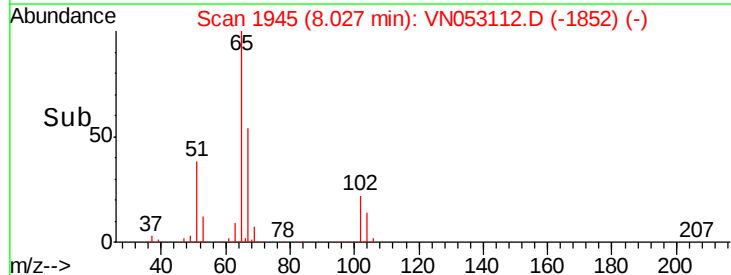
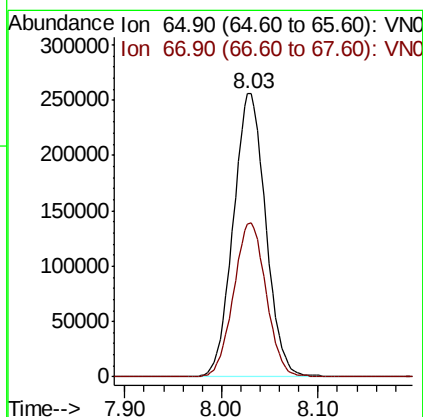
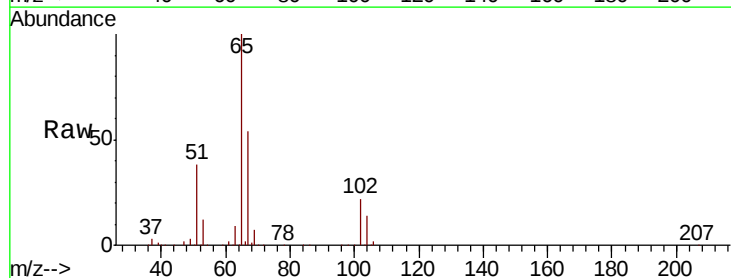
Instrument :
MSVOA_N
ClientSampleId :
P001-SD005-0612-01ME

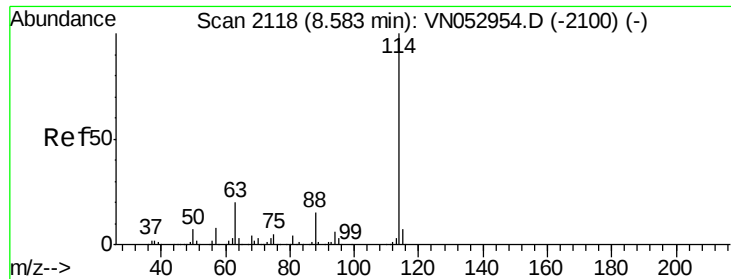
Tot Ion:	84	Resp:	3107
Ion	Ratio	Lower	Upper
84	100		
49	109.6	96.8	145.2
51	33.5	29.9	44.9
86	53.0	51.8	77.6



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053112.D
Acq: 21 Dec 2018 19:49

Tgt Ion:	65	Resp:	596224
Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.4

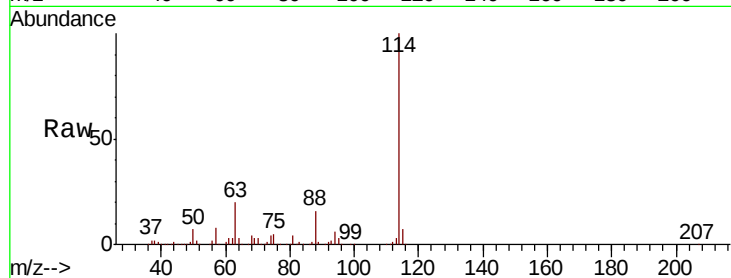




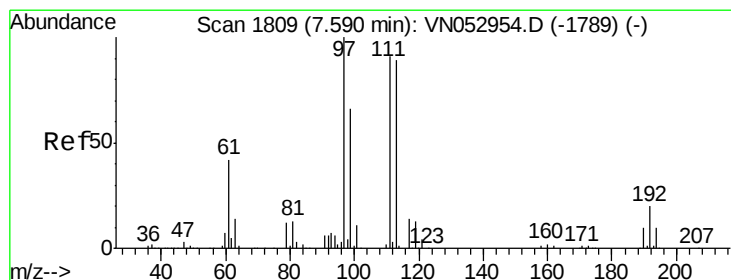
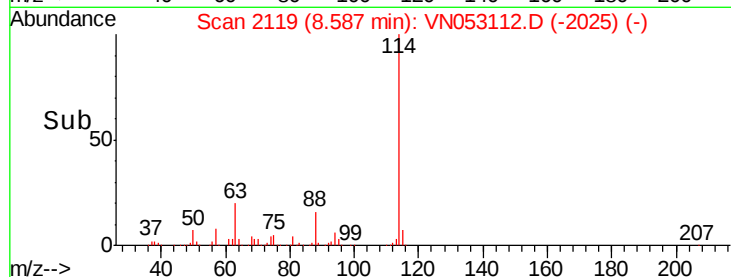
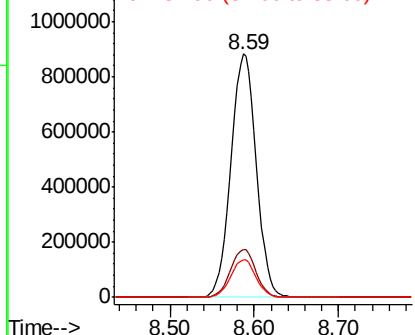
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD005-0612-01ME

Tot Ion:114 Resp: 1847174
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0

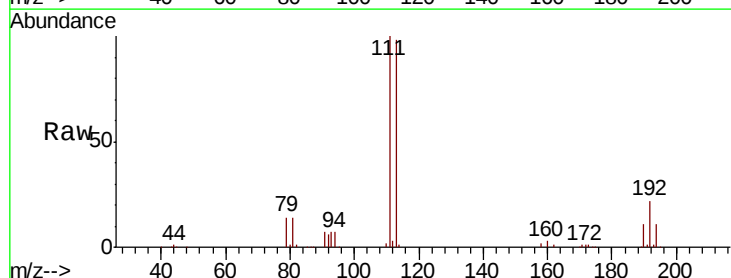


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

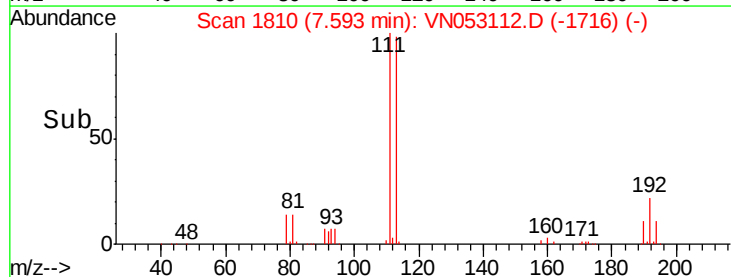
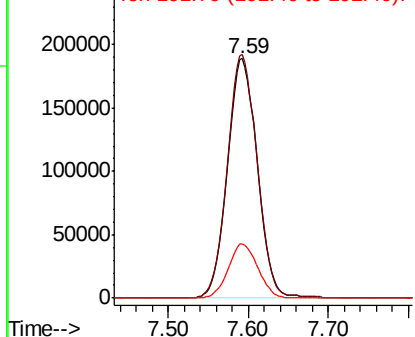


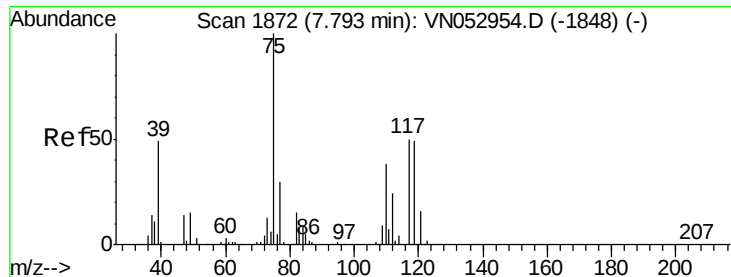
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

Tgt Ion:113 Resp: 478435
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.0 124.4
 192 22.5 17.5 26.3



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

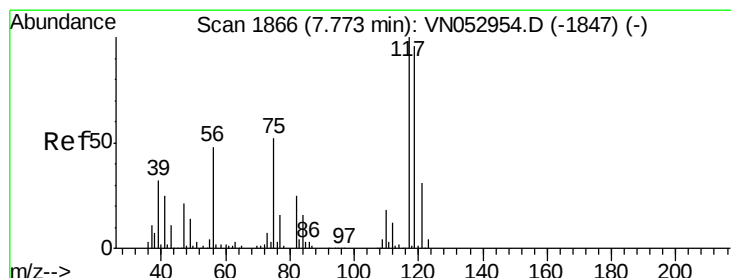
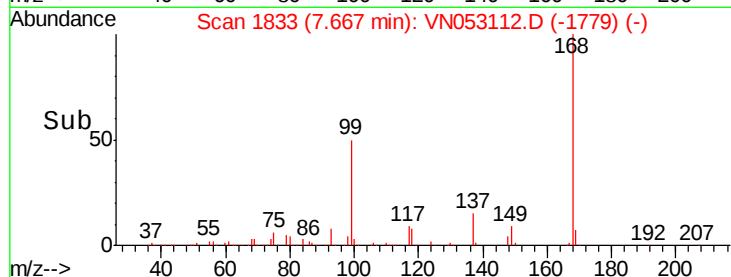
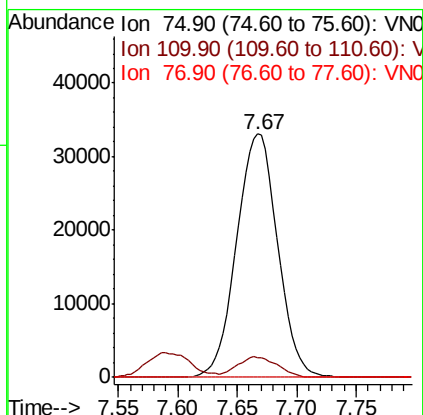
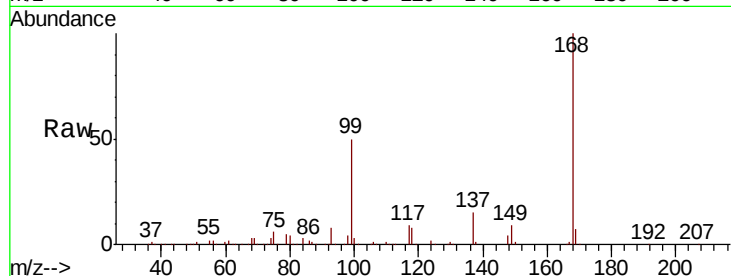




#36
 1,1-Dichloropropene
 Concen: 4.456 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

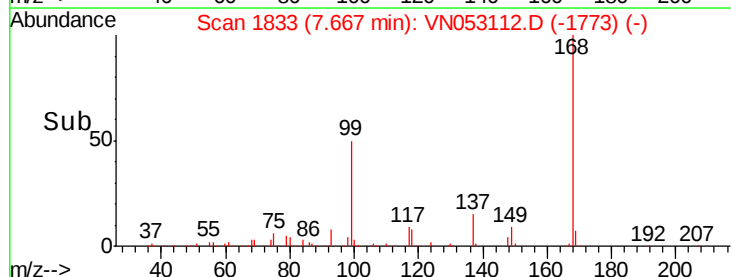
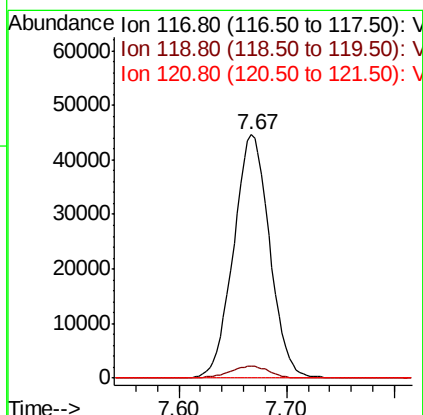
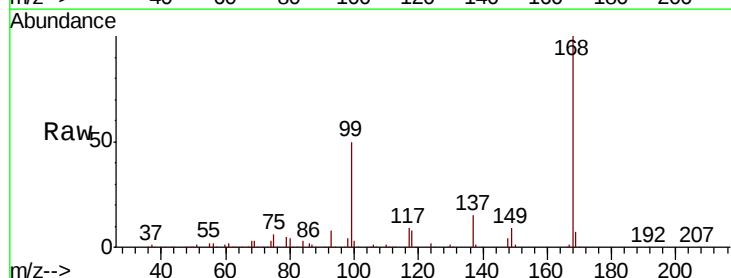
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD005-0612-01ME

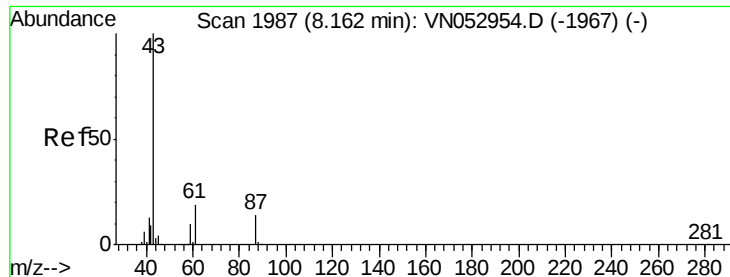
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.381 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.737 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

P001-SD005-0612-01ME

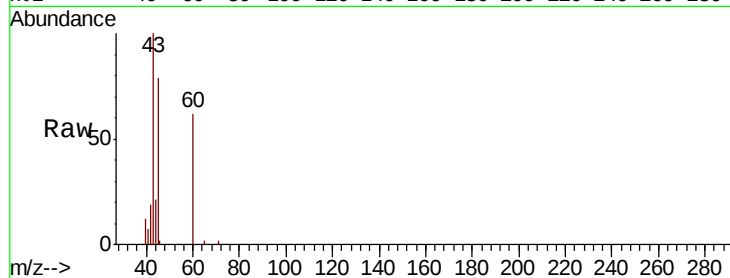
Tot Ion: 43 Resp: 33830

Ion Ratio Lower Upper

43 100

61 1.0 22.9 34.3#

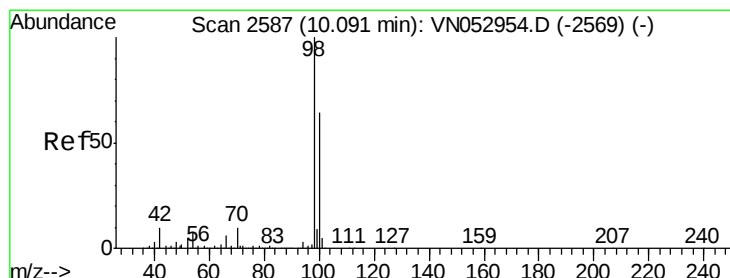
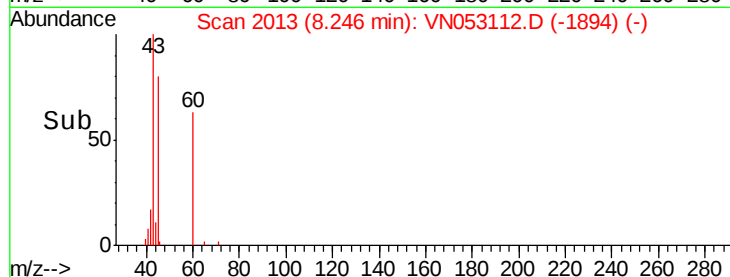
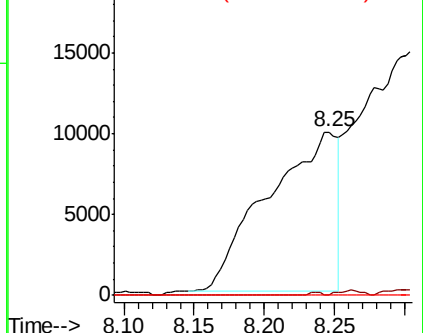
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053112.D

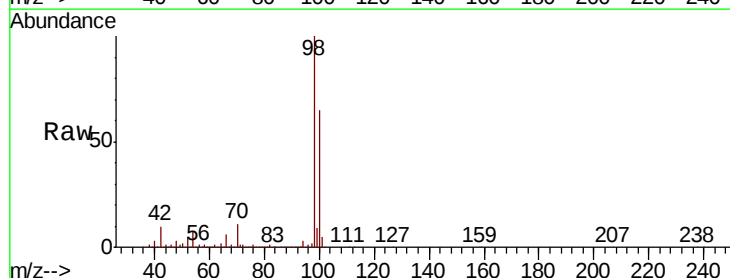
Acq: 21 Dec 2018 19:49

Tgt Ion: 98 Resp: 2250386

Ion Ratio Lower Upper

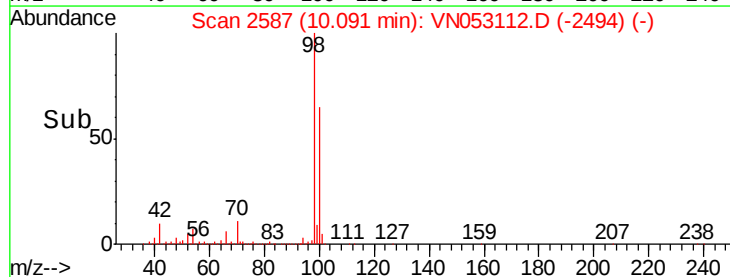
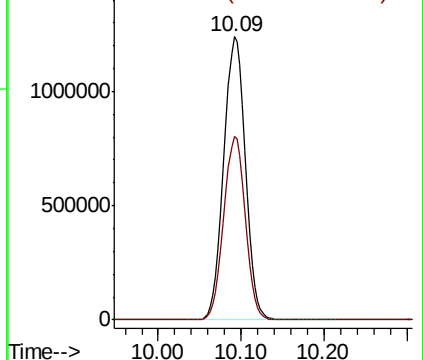
98 100

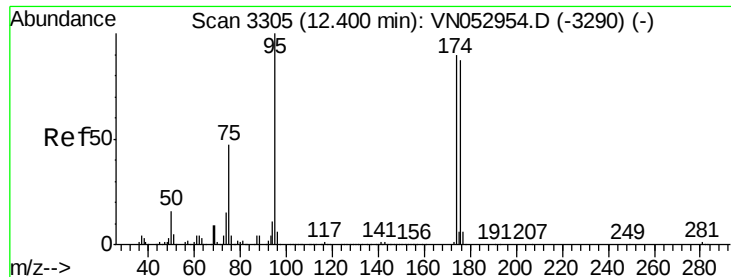
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN052954.D (-2569) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

P001-SD005-0612-01ME

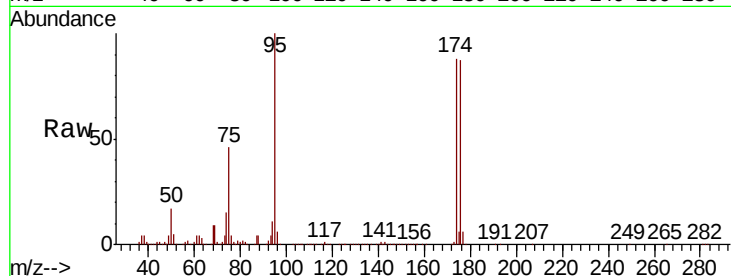
Tot Ion: 95 Resp: 751707

Ion Ratio Lower Upper

95 100

174 88.4 0.0 178.8

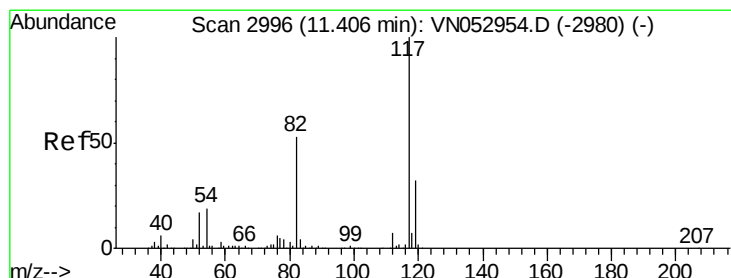
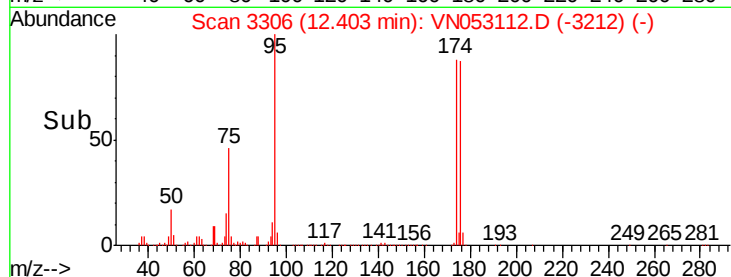
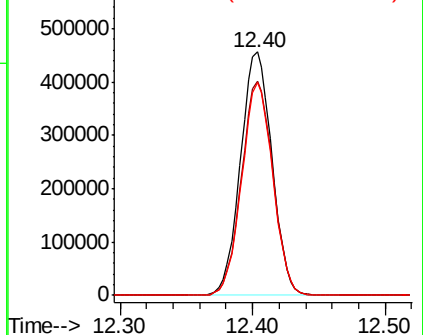
176 86.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052954.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052954.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

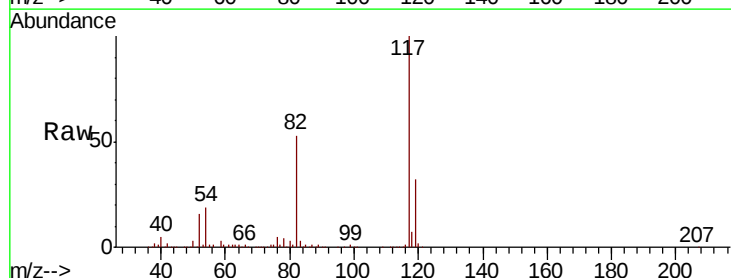
Tgt Ion: 117 Resp: 1645923

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

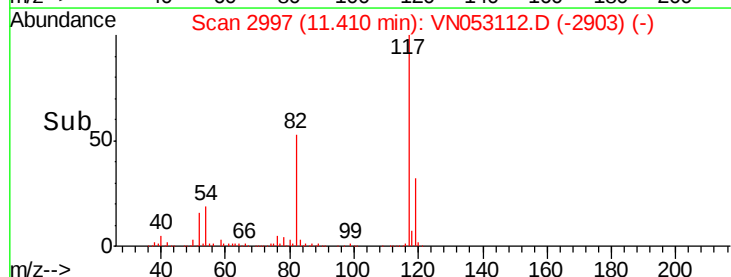
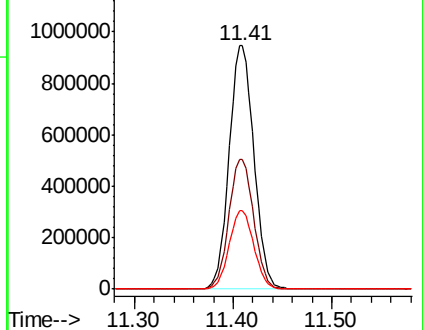
119 32.1 25.5 38.3

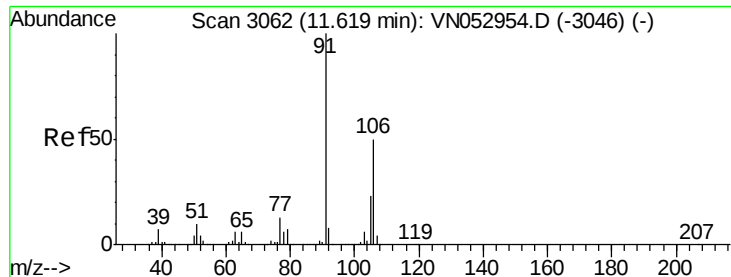


Abundance Ion 116.90 (116.60 to 117.60): VN052954.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN052954.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN052954.D (-2980) (-)





#68

m/p-Xvlenes

Concen: 1.761 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

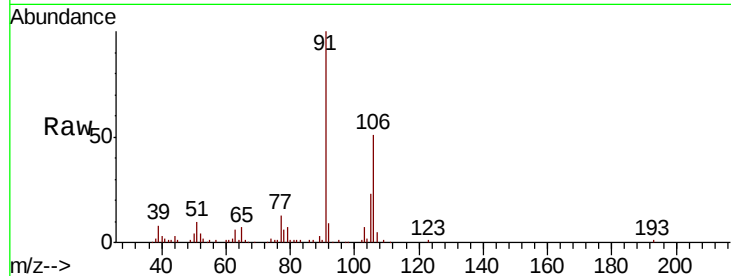
P001-SD005-0612-01ME

Tot Ion:106 Resp: 42006

Ion Ratio Lower Upper

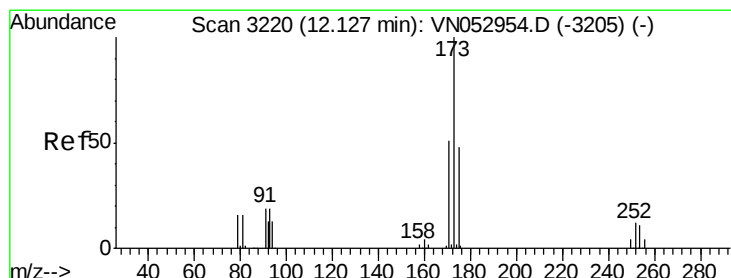
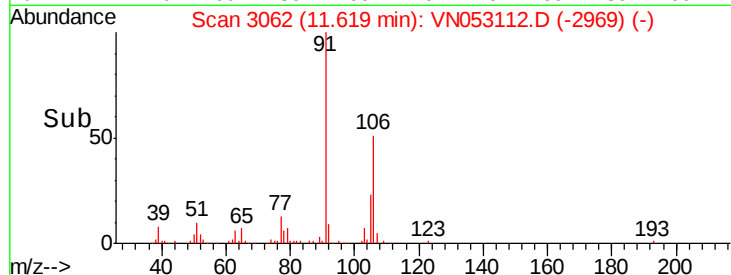
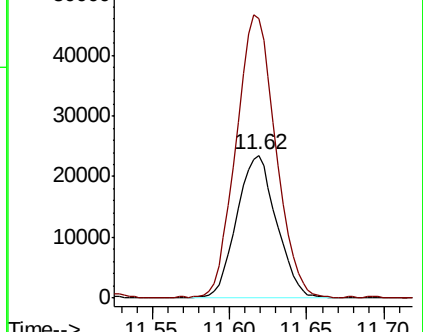
106 100

91 198.0 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.436 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

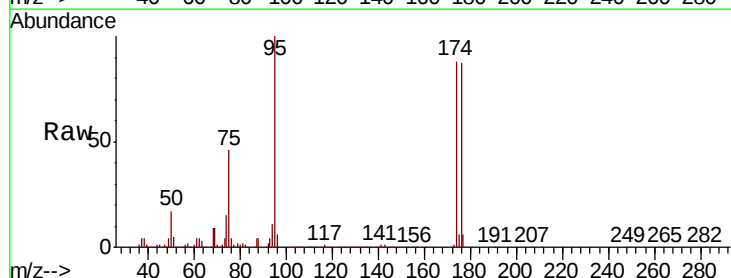
Tgt Ion:173 Resp: 3999

Ion Ratio Lower Upper

173 100

175 1035.7 24.3 72.9#

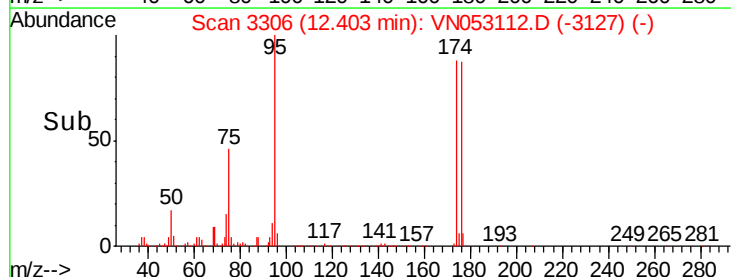
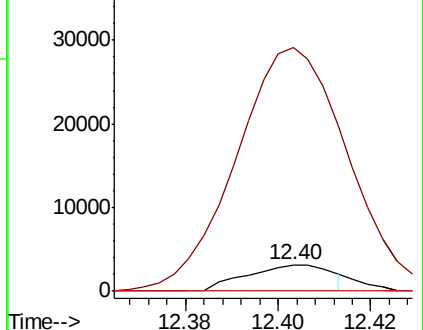
254 0.0 0.1 0.1#

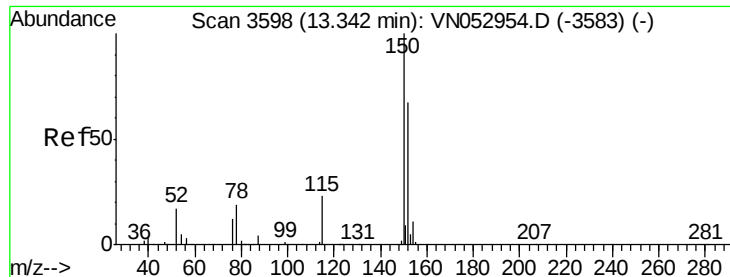


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

P001-SD005-0612-01ME

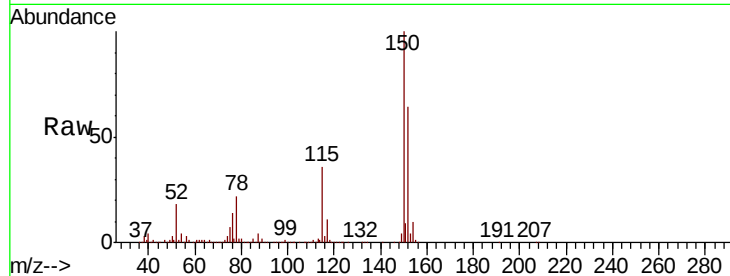
Tot Ion:152 Resp: 678935

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

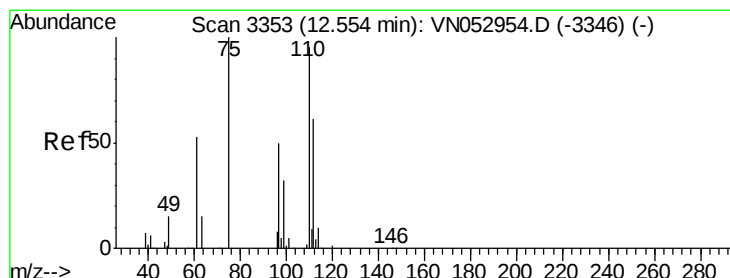
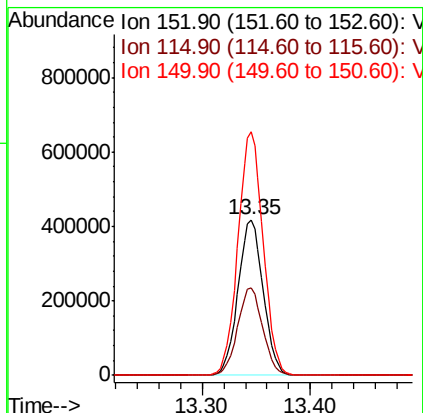
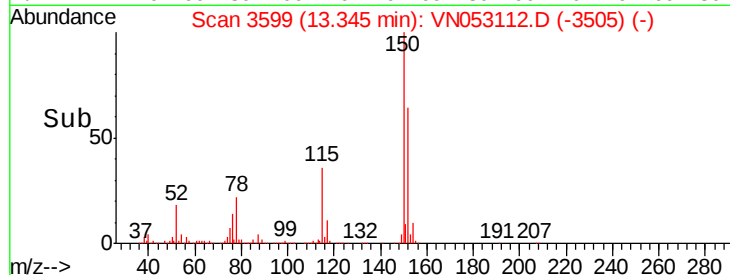
150 156.4 0.0 347.8



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: 30.461 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053112.D

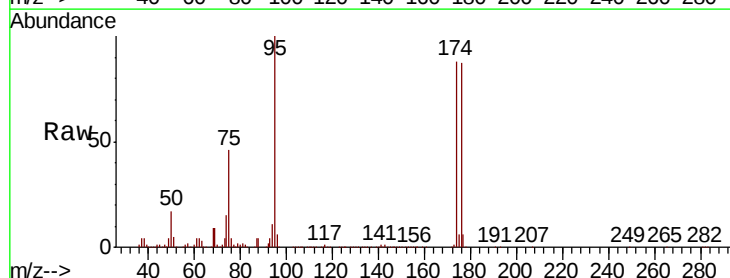
Acq: 21 Dec 2018 19:49

Tgt Ion: 75 Resp: 348143

Ion Ratio Lower Upper

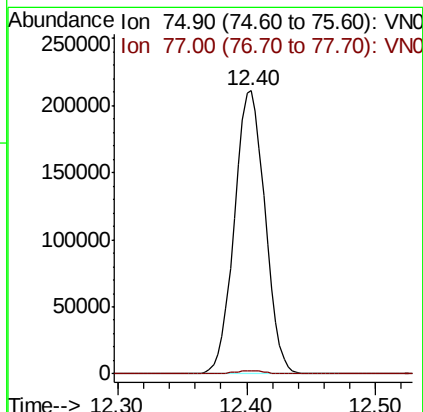
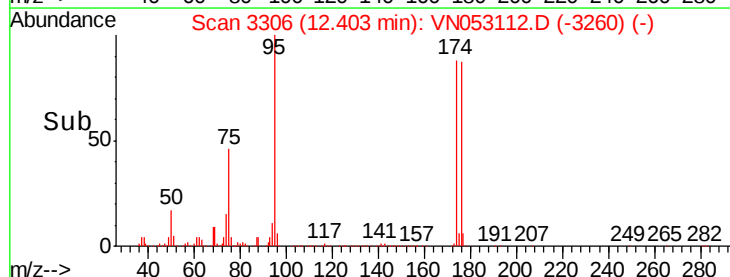
75 100

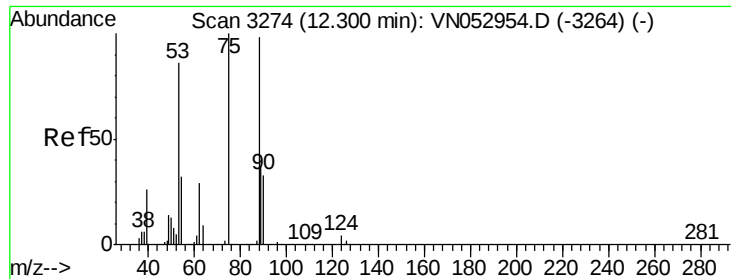
77 1.2 0.0 0.0#



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: 98.179 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

Instrument :

MSVOA_N

ClientSampleId :

P001-SD005-0612-01ME

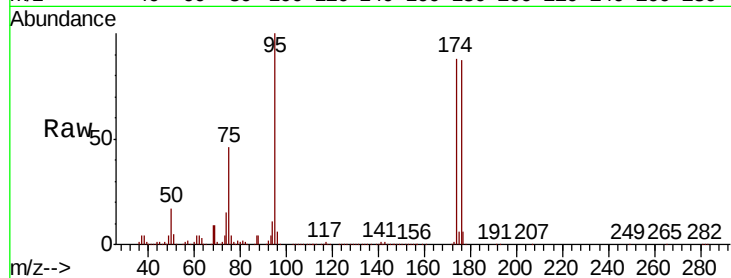
Tot Ion: 75 Resp: 348143

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

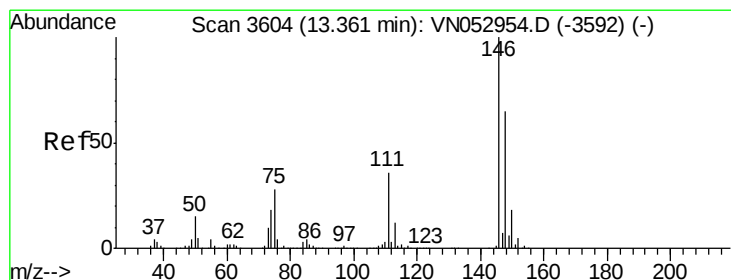
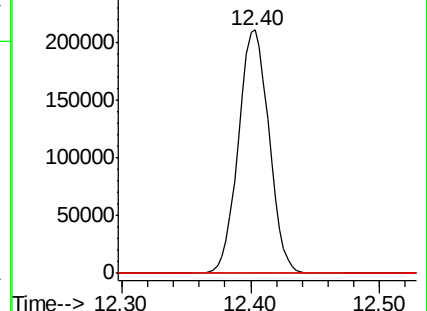
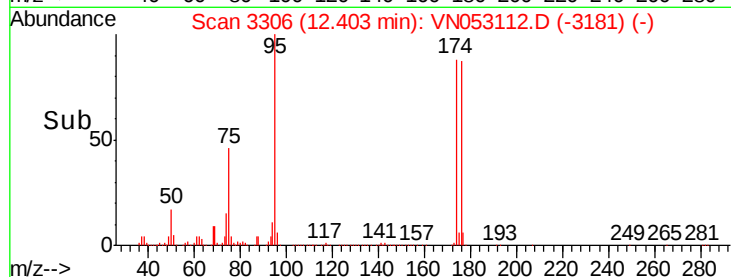
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#88

1,4-Dichlorobenzene

Concen: 0.228 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN053112.D

Acq: 21 Dec 2018 19:49

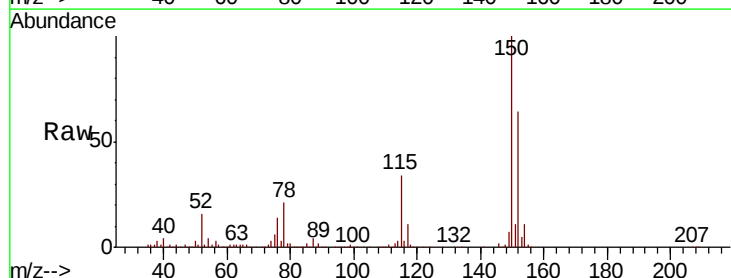
Tgt Ion: 146 Resp: 5635

Ion Ratio Lower Upper

146 100

111 171.7 18.6 55.8#

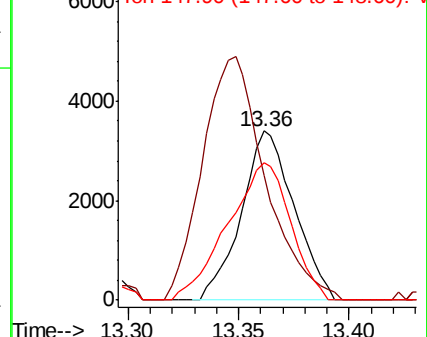
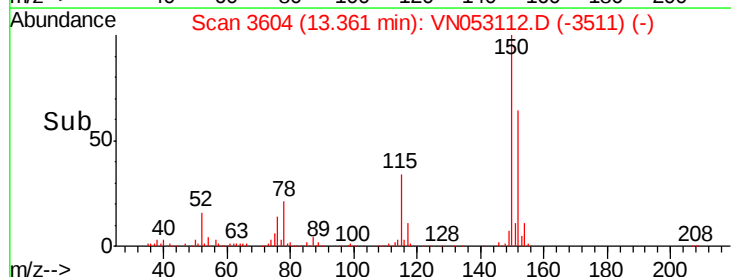
148 96.6 32.1 96.5#

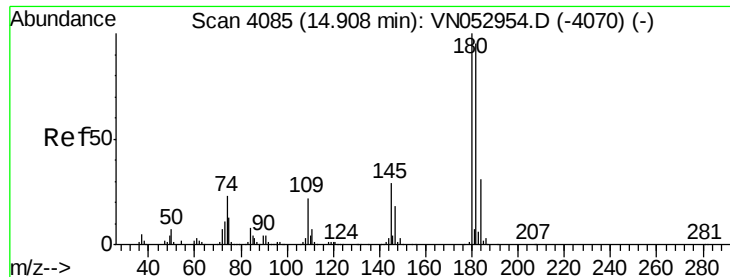


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

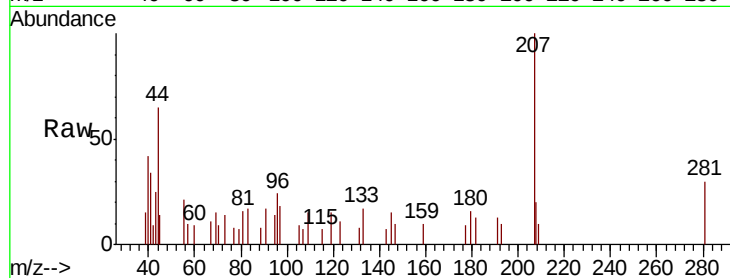




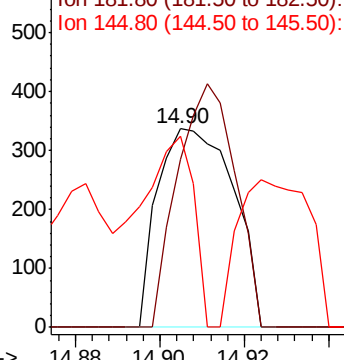
#93
 1,2,4-Trichlorobenzene
 Concen: 0.630 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD005-0612-01ME

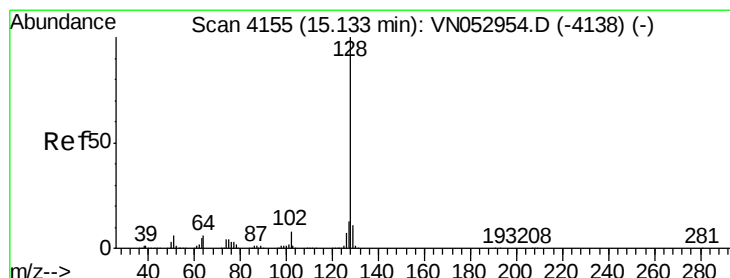
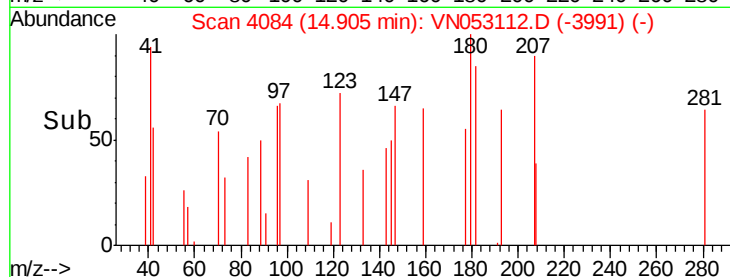
Tot Ion:180 Resp: 419
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.8 143.3
 145 60.1 14.2 42.6#



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

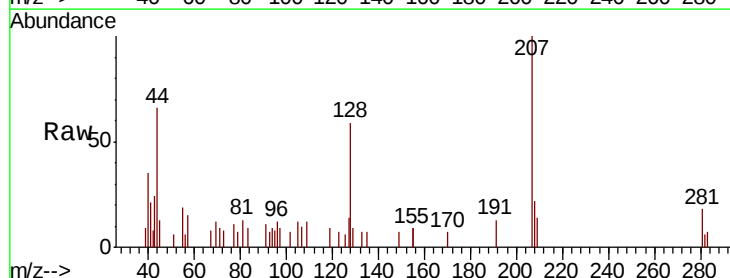


Time-->

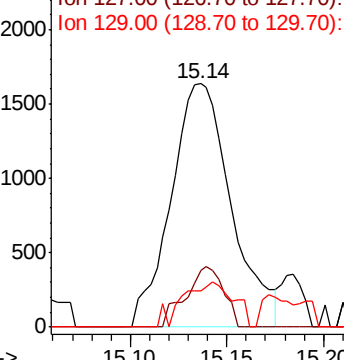


#95
 Naphthalene
 Concen: 1.276 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

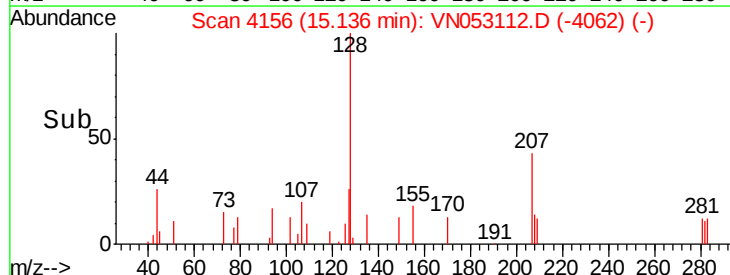
Tgt Ion:128 Resp: 3548
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.2 15.4#
 129 15.6 8.6 13.0#

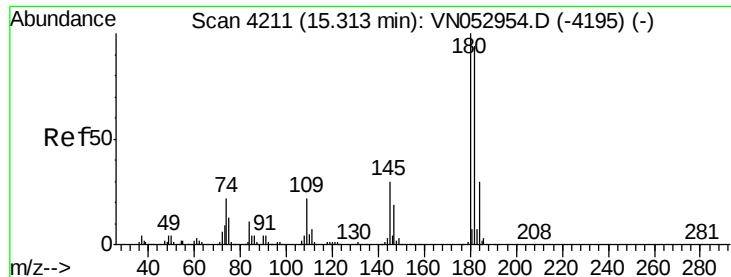


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.526 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN053112.D
 Acq: 21 Dec 2018 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SD005-0612-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	73.5	47.9	143.7
145	169.1	15.0	45.0#

