

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052744.D
 Acq On : 10 Dec 2018 11:03
 Operator : MD\SY
 Sample : VN1210WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL02

Quant Time: Dec 11 01:27:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1257446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1937601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1655916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	624569	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	641376	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
35) Dibromofluoromethane	7.59	113	537584	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
50) Toluene-d8	10.09	98	2334340	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	724270	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

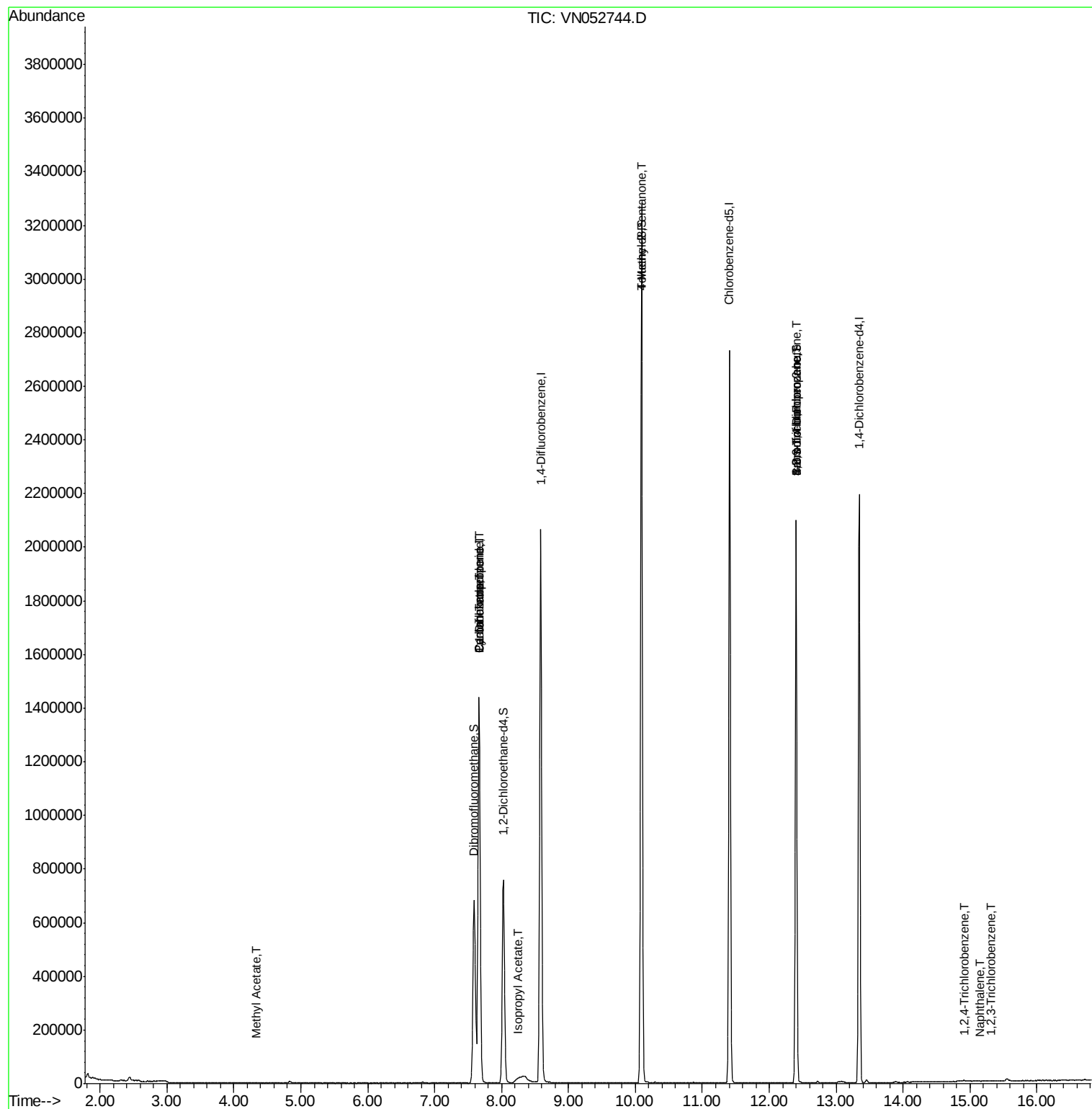
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.33	43	2555	0.247	ug/l #	74
31) Cyclohexane	7.67	56	21860	0.566	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	84829	4.636	ug/l #	50
38) Carbon Tetrachloride	7.66	117	109923	6.636	ug/l #	16
43) Isopropyl Acetate	8.25	43	18004	0.953	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	9264	0.874	ug/l #	1
71) Bromoform	12.40	173	4668	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	348904	36.226	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	348904	120.979	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	445	2.867	ug/l #	64
95) Naphthalene	15.14	128	2257	3.518	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	749	2.796	ug/l #	83

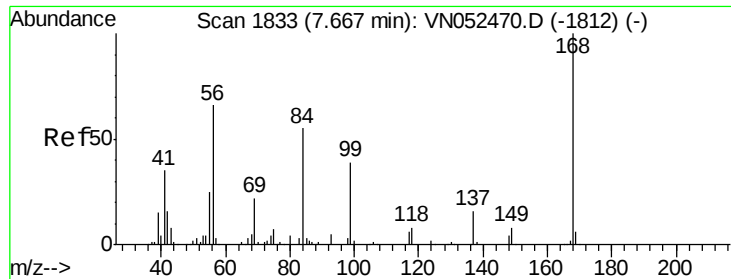
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

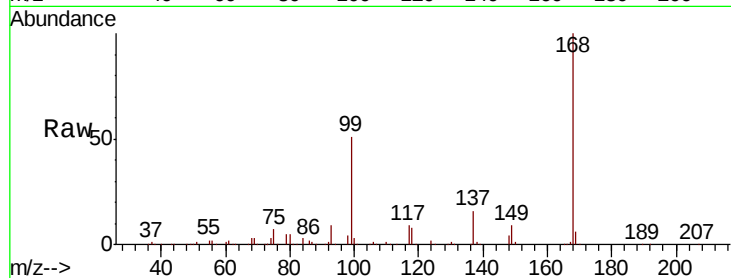
VN1210WBL02

Tot Ion:168 Resp: 1257446

Ion Ratio Lower Upper

168 100

99 51.4 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052744.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052744.D (-1740) (-)

7.66

600000

500000

400000

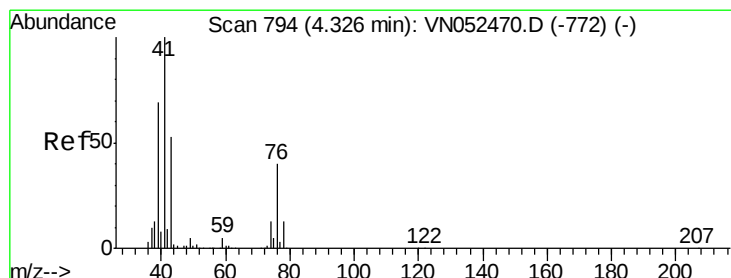
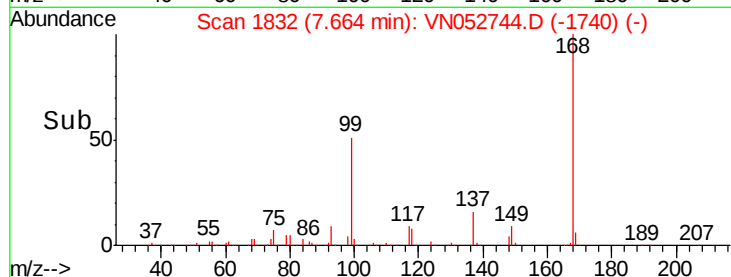
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 0.247 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052744.D

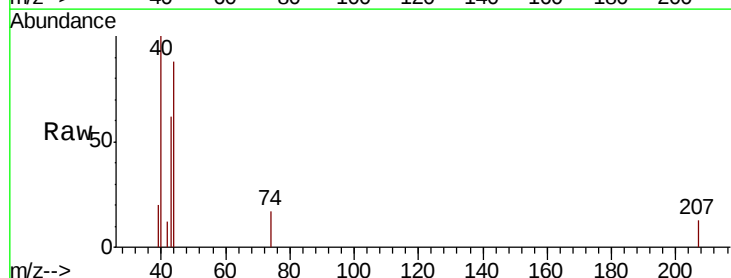
Acq: 10 Dec 2018 11:03

Tgt Ion: 43 Resp: 2555

Ion Ratio Lower Upper

43 100

74 10.3 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052744.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN052744.D (-701) (-)

4.33

800

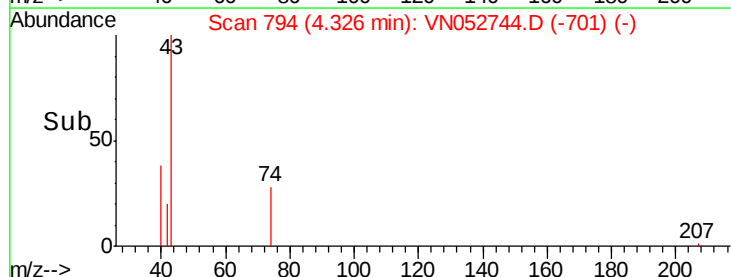
600

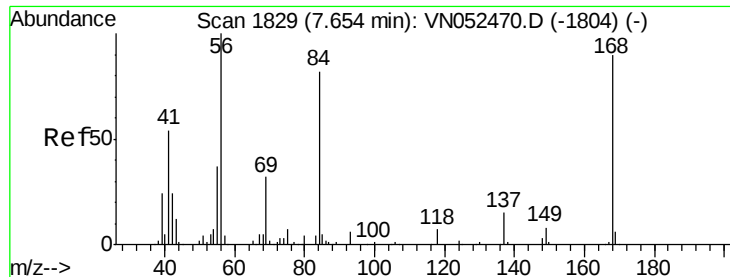
400

200

0

Time-->





#31

Cyclohexane

Concen: 0.566 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL02

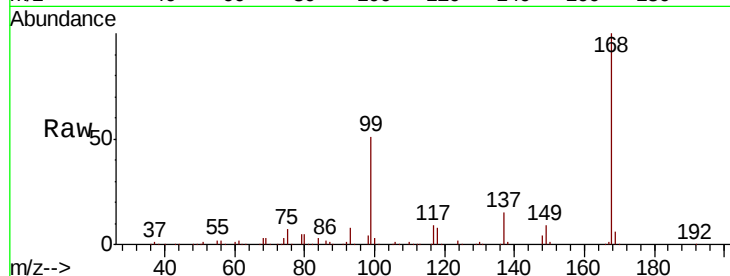
Tot Ion: 56 Resp: 21860

Ion Ratio Lower Upper

56 100

69 175.8 25.8 38.6#

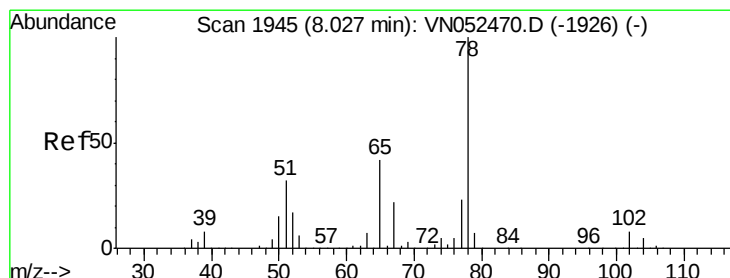
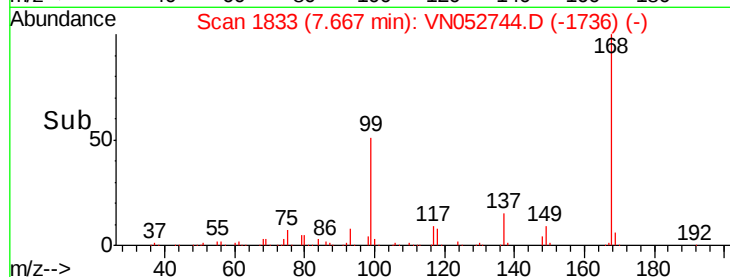
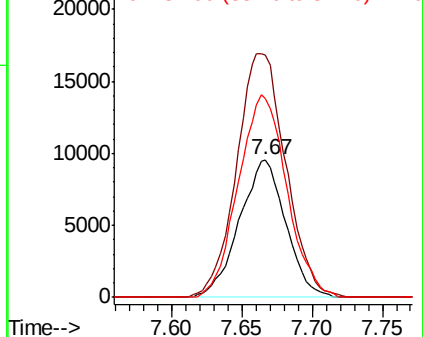
84 144.1 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052744.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN052744.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN052744.D (-1804) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052744.D

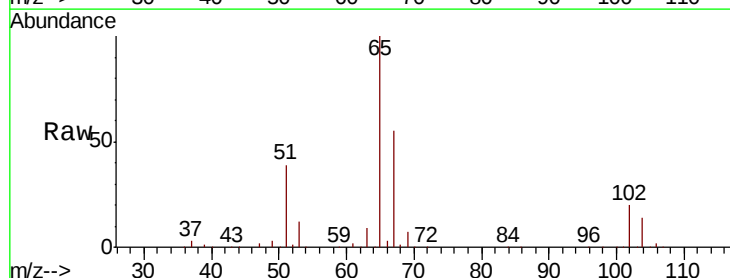
Acq: 10 Dec 2018 11:03

Tgt Ion: 65 Resp: 641376

Ion Ratio Lower Upper

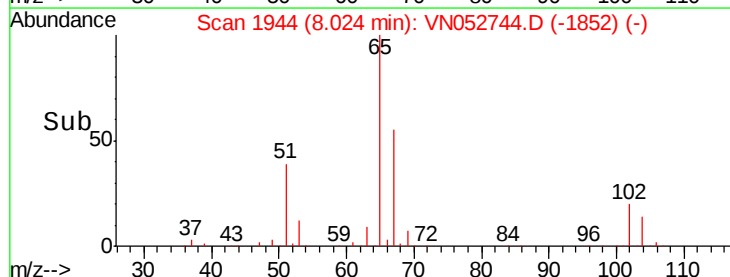
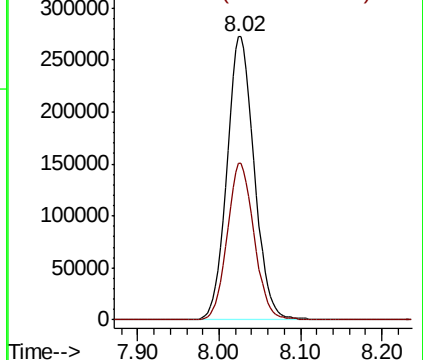
65 100

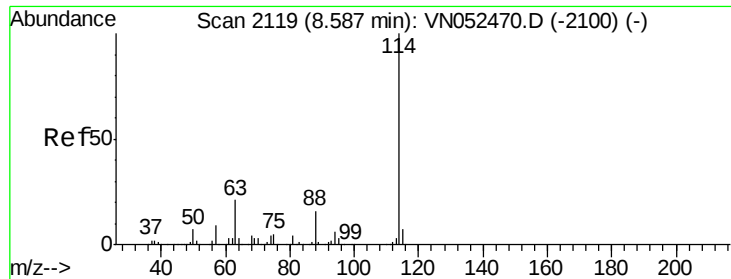
67 54.6 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN052744.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052744.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL02

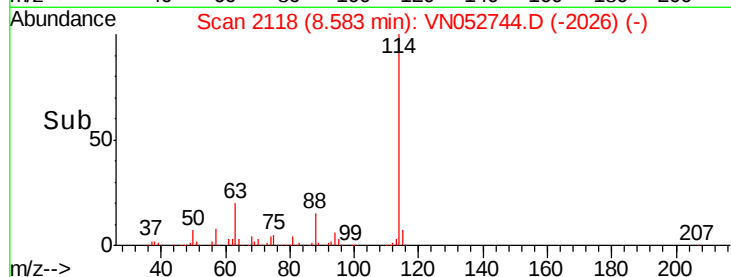
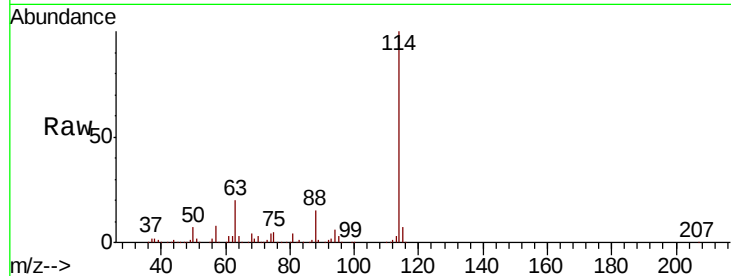
Tot Ion:114 Resp: 1937601

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

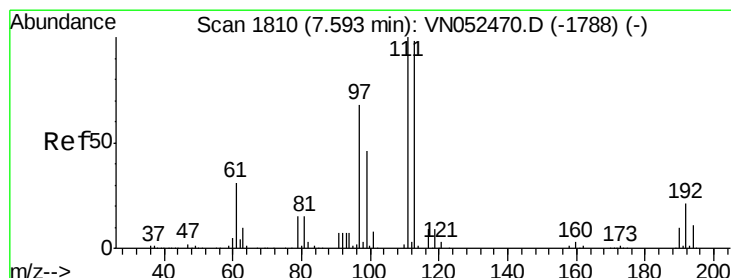
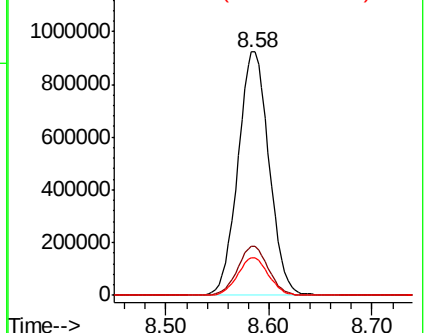
88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

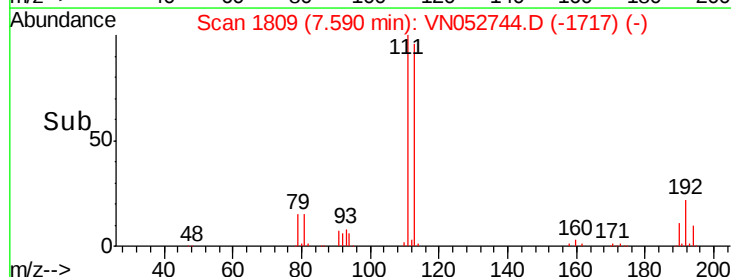
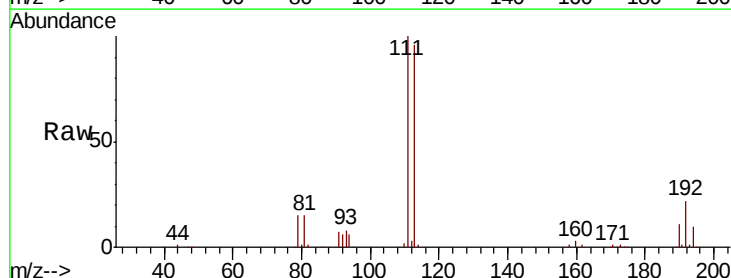
Tgt Ion:113 Resp: 537584

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

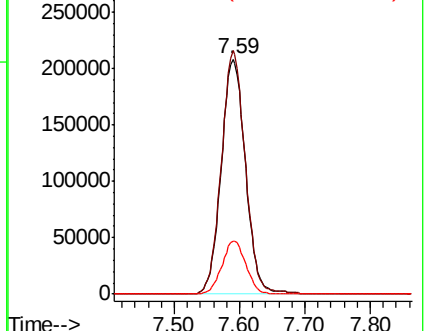
192 22.3 17.0 25.6

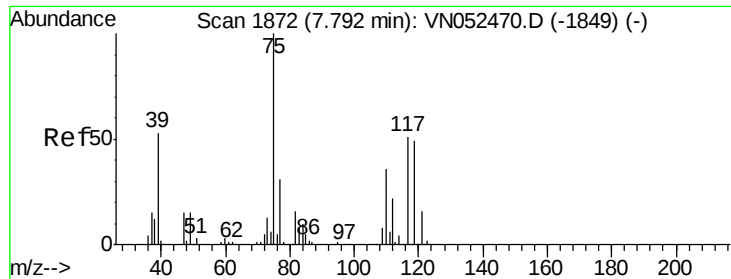


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

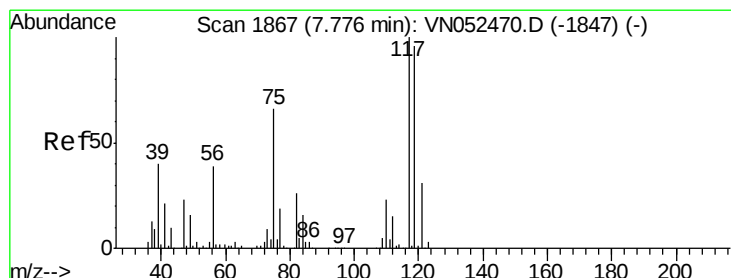
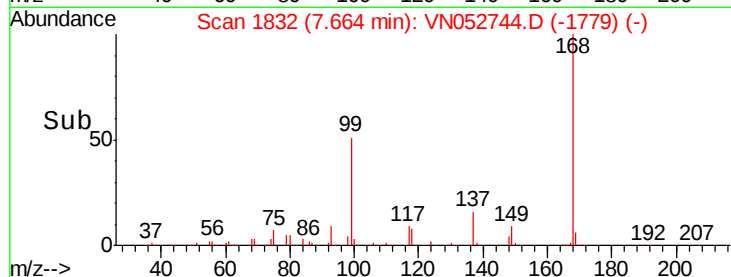
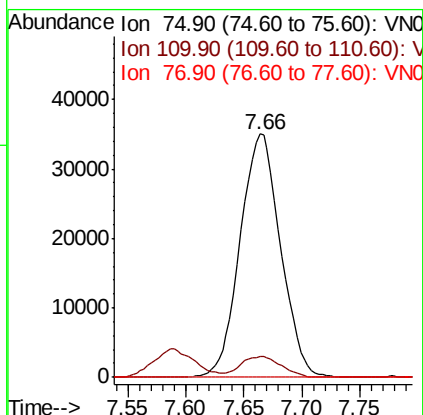
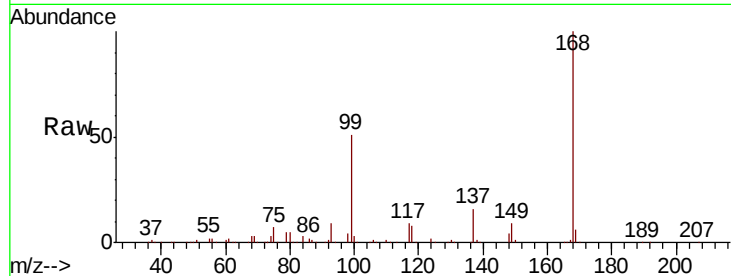




#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052744.D
 Acq: 10 Dec 2018 11:03

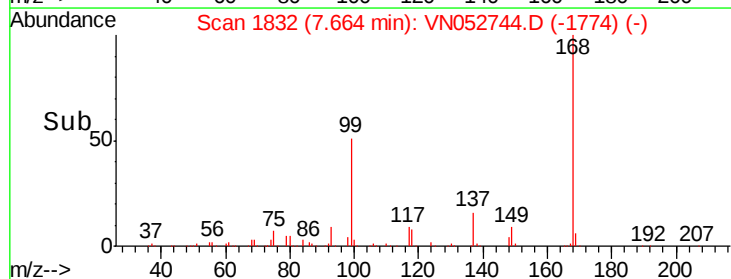
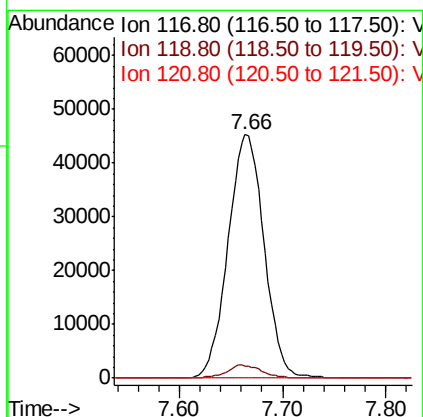
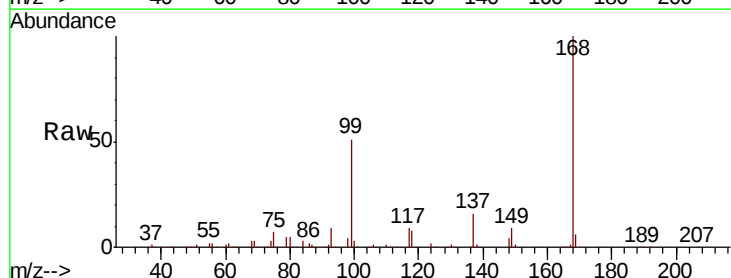
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL02

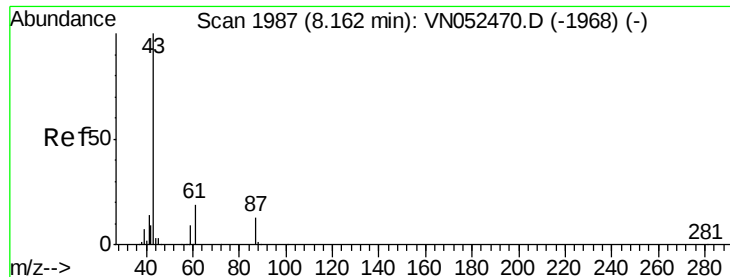
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.636 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052744.D
 Acq: 10 Dec 2018 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.953 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL02

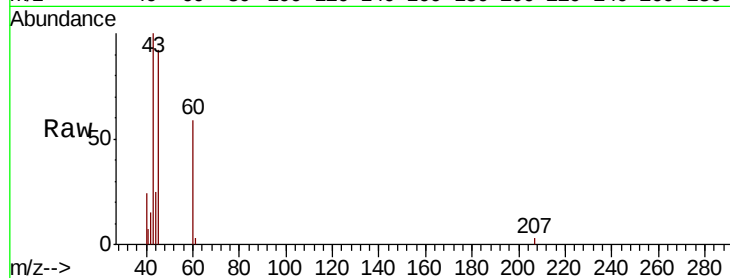
Tot Ion: 43 Resp: 18004

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

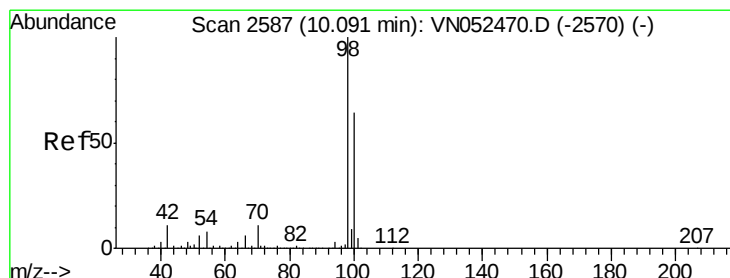
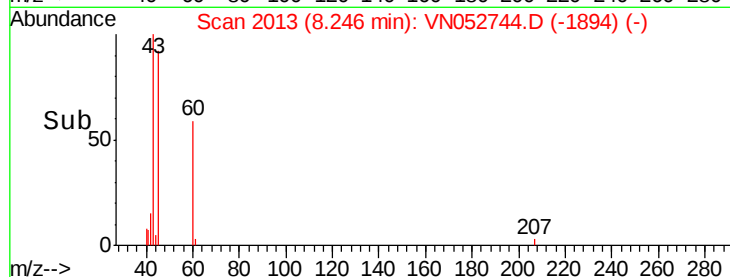
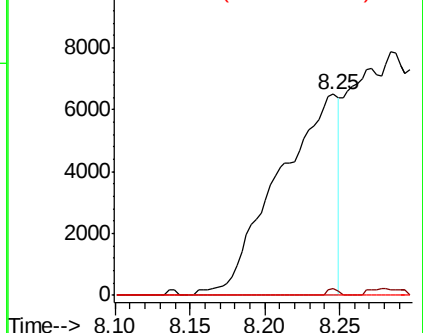
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052744.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052744.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052744.D (-1968) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052744.D

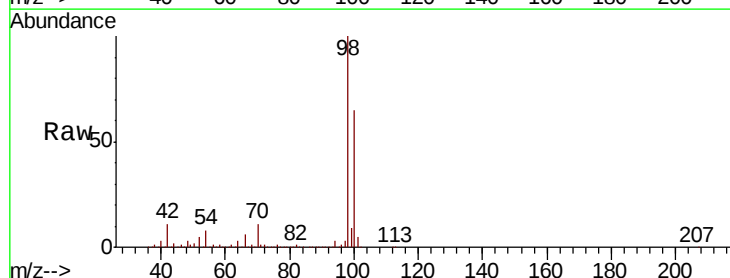
Acq: 10 Dec 2018 11:03

Tgt Ion: 98 Resp: 2334340

Ion Ratio Lower Upper

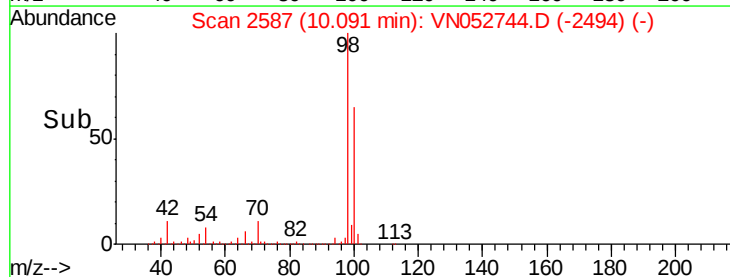
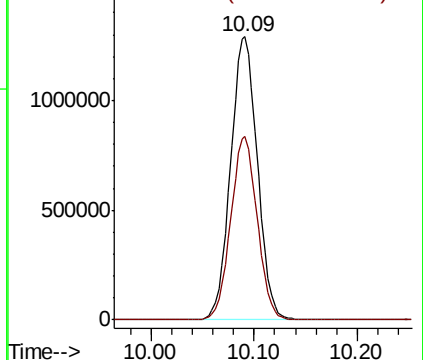
98 100

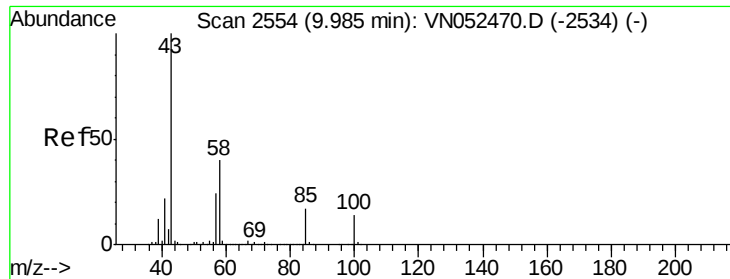
100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052744.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052744.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.874 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

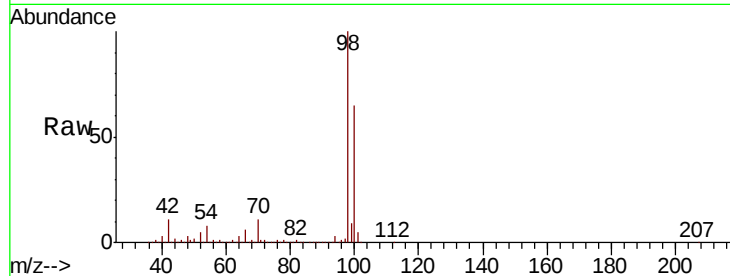
VN1210WBL02

Tot Ion: 43 Resp: 9264

Ion Ratio Lower Upper

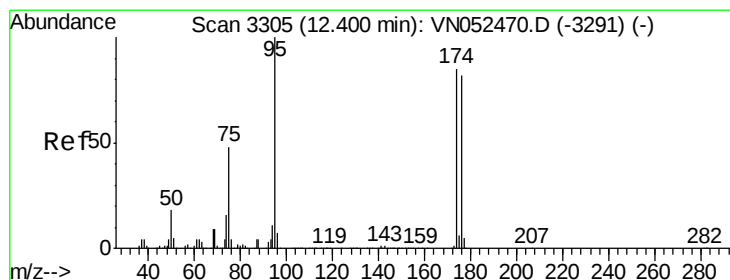
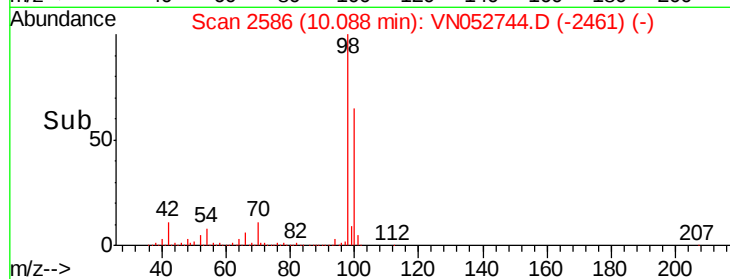
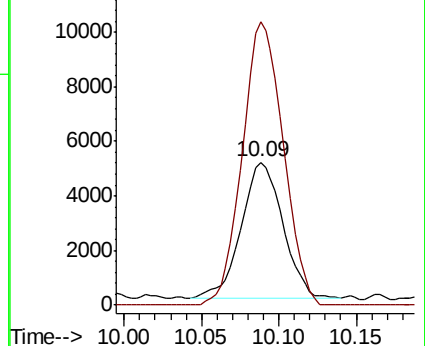
43 100

58 206.2 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN052744.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052744.D (-2534) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

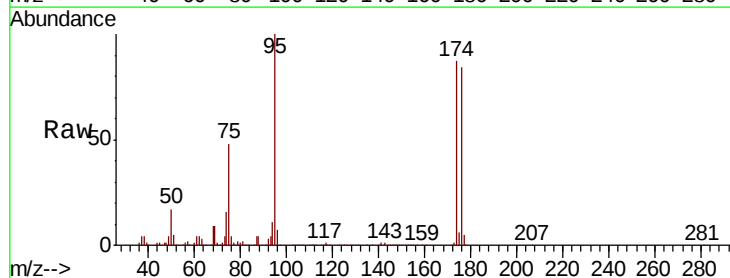
Tgt Ion: 95 Resp: 724270

Ion Ratio Lower Upper

95 100

174 88.7 0.0 173.0

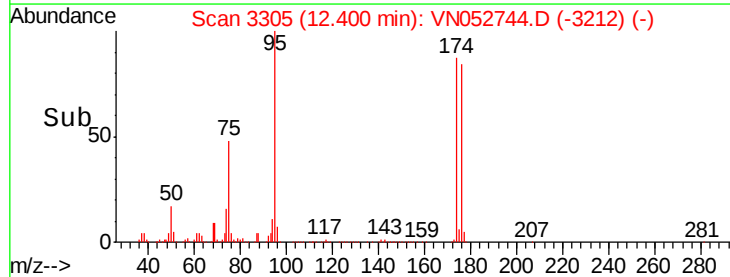
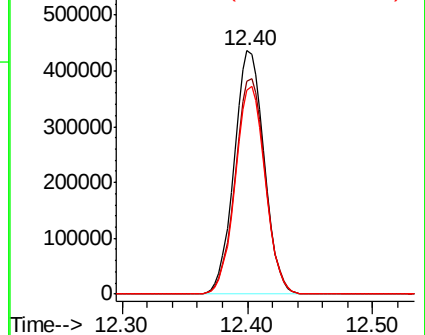
176 85.4 0.0 166.2

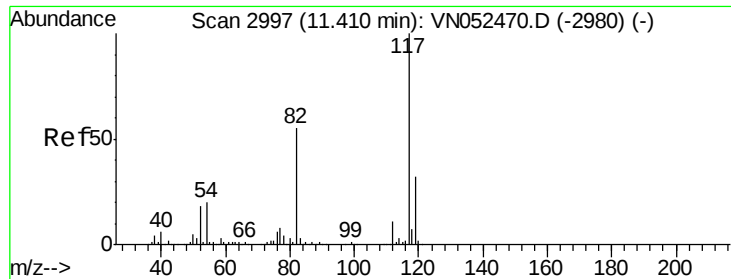


Abundance Ion 94.90 (94.60 to 95.60): VN052744.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052744.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052744.D (-3291) (-)

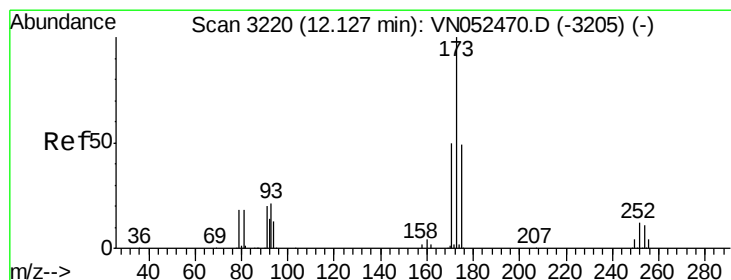
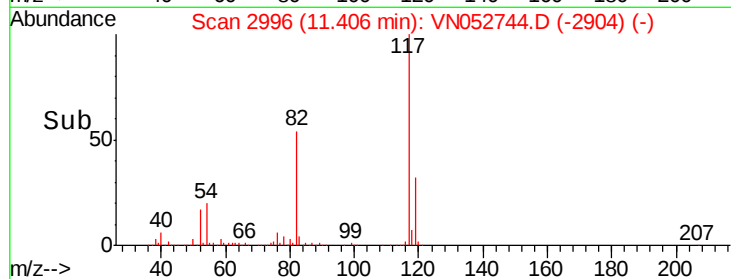
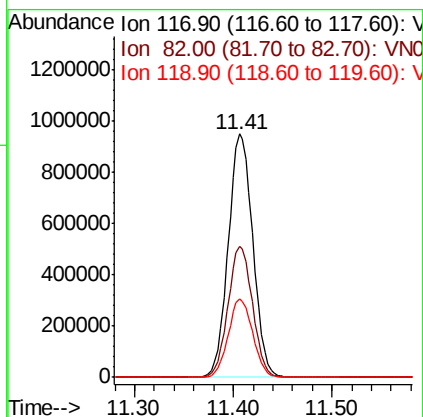
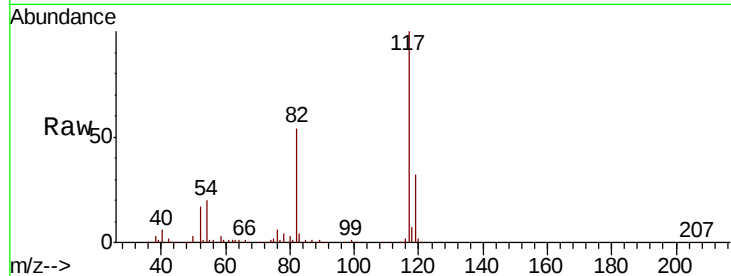




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052744.D
Acq: 10 Dec 2018 11:03

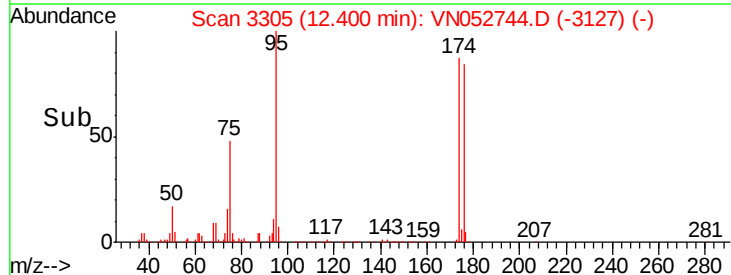
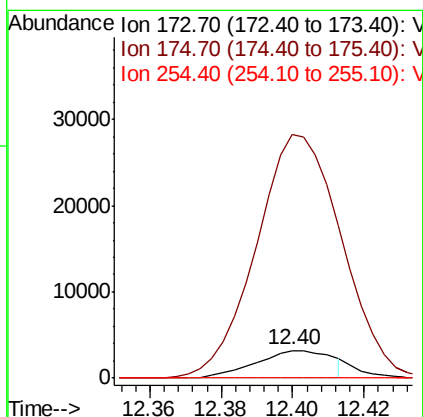
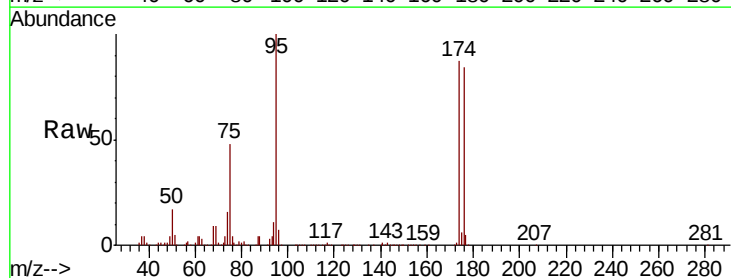
Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL02

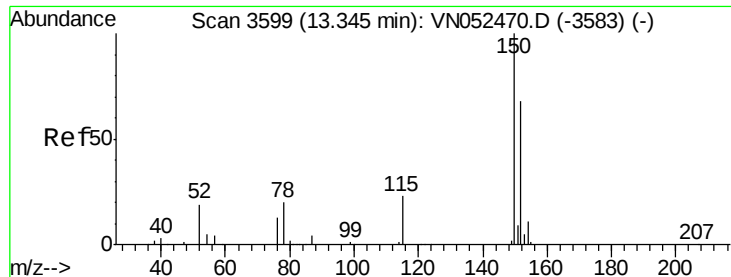
Tot Ion:117 Resp: 1655916
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.2 25.4 38.2



#71
Bromoform
Concen: 0.594 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052744.D
Acq: 10 Dec 2018 11:03

Tgt Ion:173 Resp: 4668
Ion Ratio Lower Upper
173 100
175 874.7 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL02

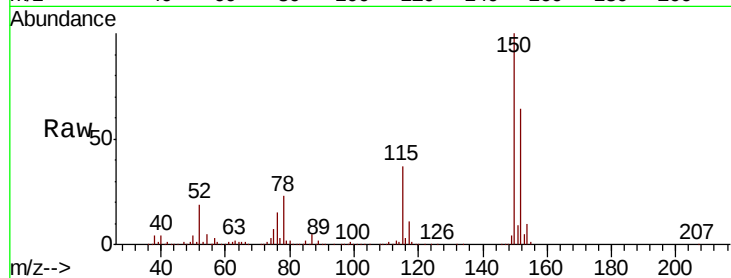
Tot Ion:152 Resp: 624569

Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.2

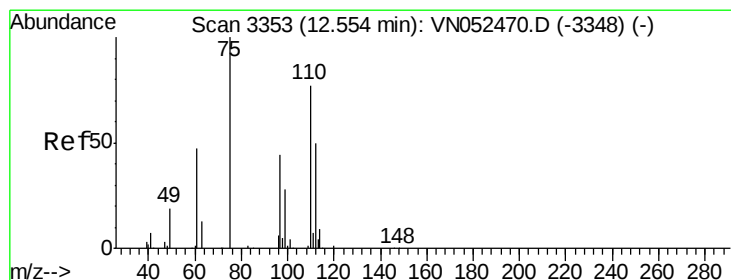
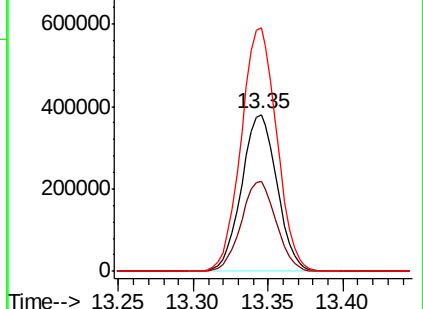
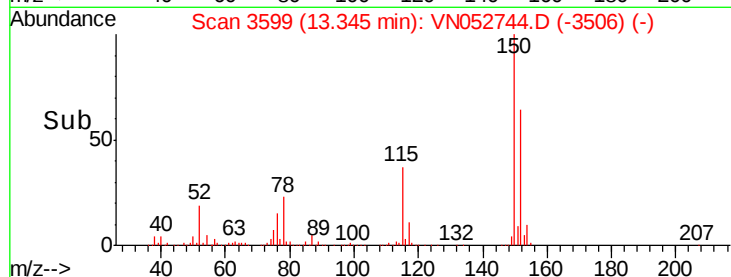
150 156.6 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 36.226 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052744.D

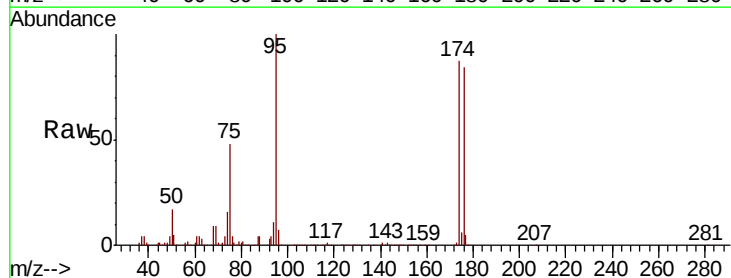
Acq: 10 Dec 2018 11:03

Tgt Ion: 75 Resp: 348904

Ion Ratio Lower Upper

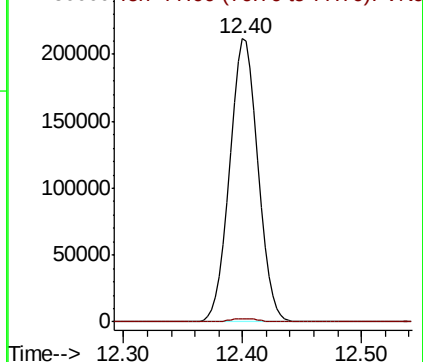
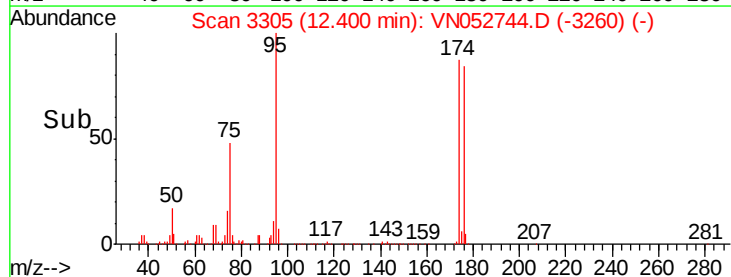
75 100

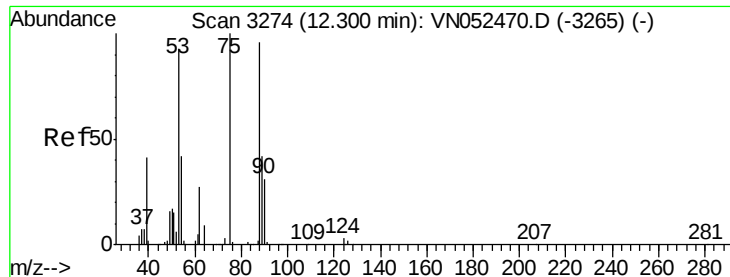
77 1.2 0.0 0.0#



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: 120.979 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampled :

VN1210WBL02

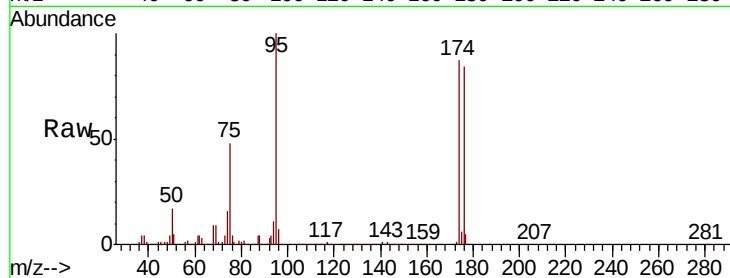
Tot Ion: 75 Resp: 348904

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

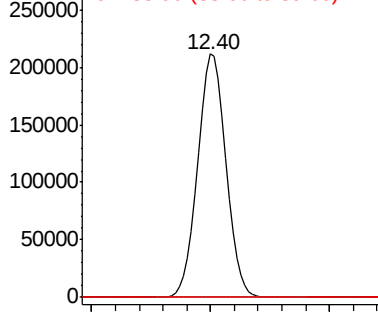
89 0.0 35.4 53.2#



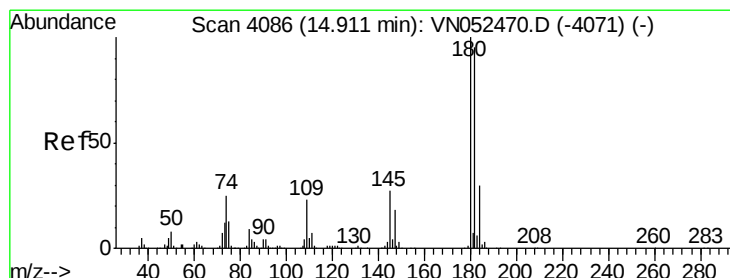
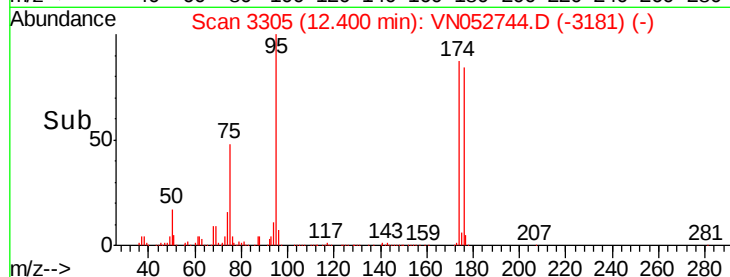
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50



#93

1,2,4-Trichlorobenzene

Concen: 2.867 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

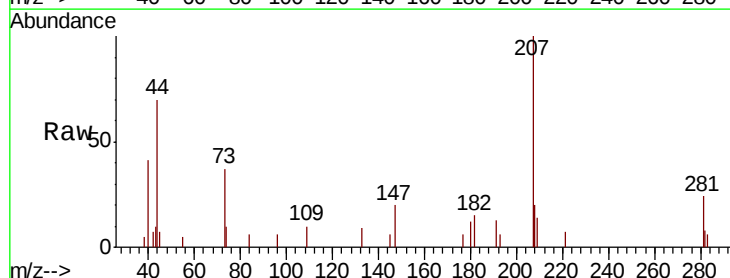
Tgt Ion:180 Resp: 445

Ion Ratio Lower Upper

180 100

182 133.5 47.8 143.4

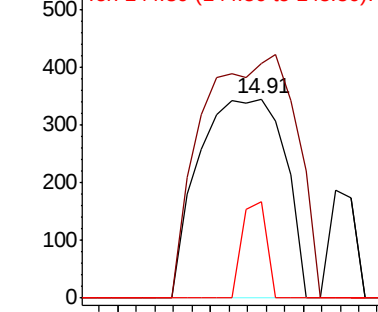
145 13.9 14.1 42.3#



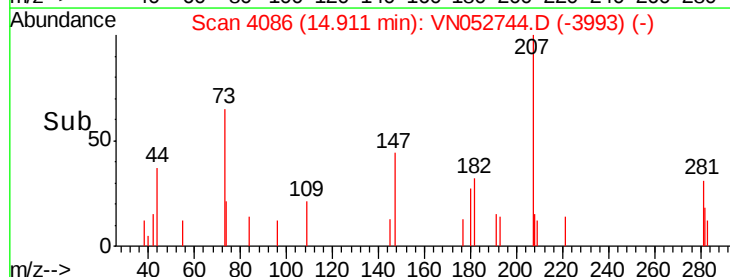
Abundance Ion 179.80 (179.50 to 180.50): V

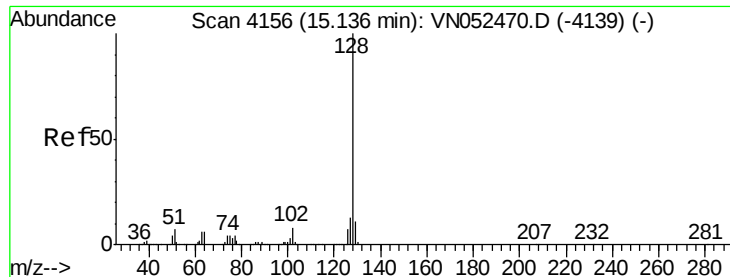
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time--> 14.88 14.90 14.92





#95

Naphthalene

Concen: 3.518 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL02

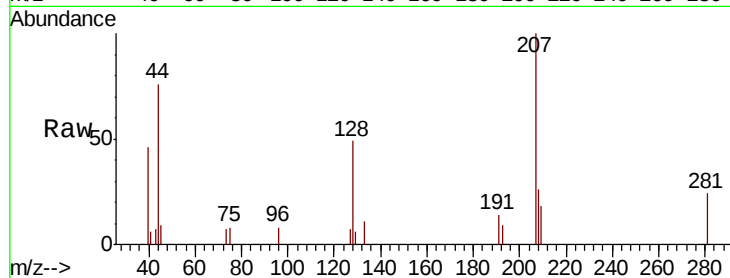
Tot Ion:128 Resp: 2257

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

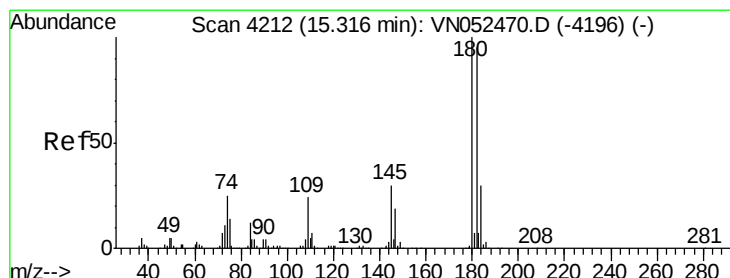
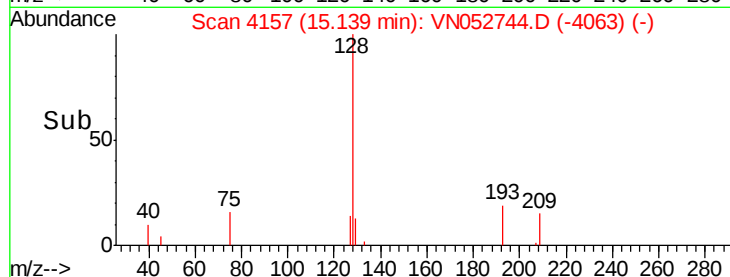
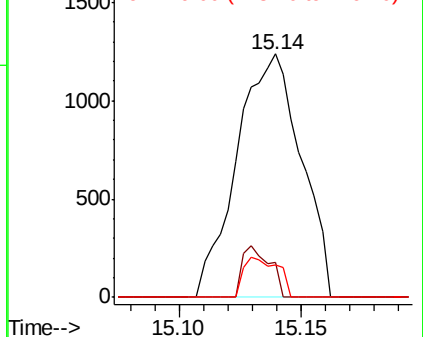
129 8.7 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 2.796 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052744.D

Acq: 10 Dec 2018 11:03

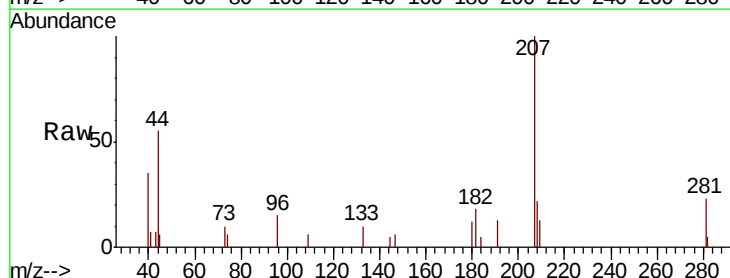
Tgt Ion:180 Resp: 749

Ion Ratio Lower Upper

180 100

182 105.3 47.8 143.3

145 8.7 15.2 45.5#



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

