

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\
 Data File : VN052244.D
 Acq On : 9 Nov 2018 22:56
 Operator : MD\SY
 Sample : J5879-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 4626-22221

Quant Time: Nov 12 03:26:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	326076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	551925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164523	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	213262	47.82	ug/l	0.00
Spiked Amount						
			Recovery	=	95.64%	
35) Dibromofluoromethane	7.59	113	174412	48.79	ug/l	0.00
Spiked Amount						
			Recovery	=	97.58%	
50) Toluene-d8	10.09	98	677060	48.39	ug/l	0.00
Spiked Amount						
			Recovery	=	96.78%	
62) 4-Bromofluorobenzene	12.40	95	198327	43.83	ug/l	0.00
Spiked Amount						
			Recovery	=	87.66%	

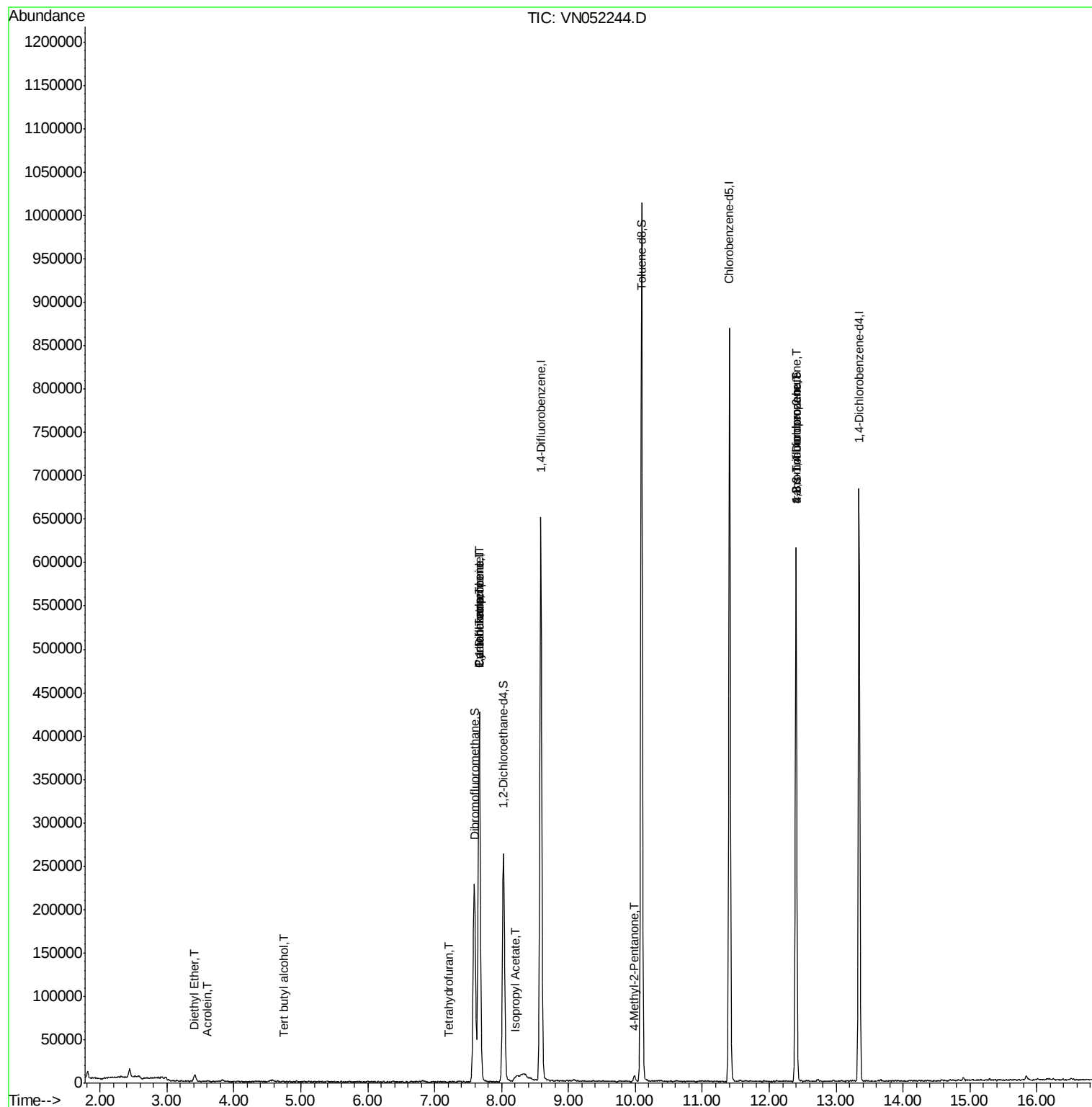
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	3531	1.564	ug/l #	46
11) Tert butyl alcohol	4.74	59	69	0.302	ug/l #	71
13) Acrolein	3.61	56	64	34.255	ug/l #	12
16) Acetone	3.81	43	3529	Below Cal		99
29) Tetrahydrofuran	7.22	42	265	0.214	ug/l #	40
31) Cyclohexane	7.66	56	9051	0.631	ug/l #	15
36) 1,1-Dichloropropene	7.67	75	29579	5.310	ug/l #	50
38) Carbon Tetrachloride	7.66	117	33249	6.586	ug/l #	16
43) Isopropyl Acetate	8.20	43	3576	0.490	ug/l #	64
51) 4-Methyl-2-Pentanone	9.99	43	6317	1.566	ug/l #	84
76) 1,2,3-Trichloropropane	12.40	75	108783	37.372	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	108783	127.566	ug/l #	8

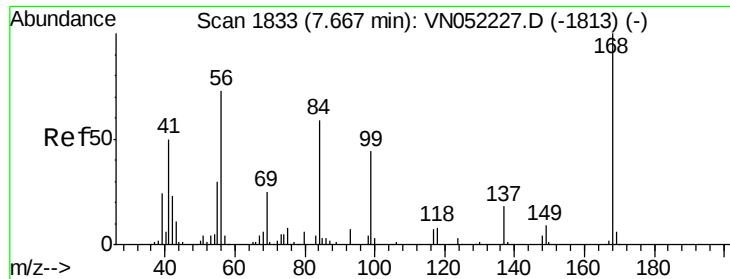
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampled :

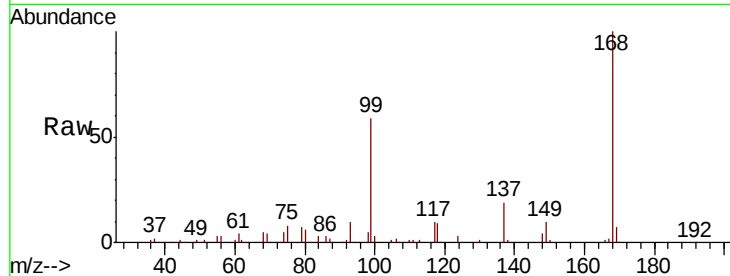
4626-22221

Tot Ion:168 Resp: 326076

Ion Ratio Lower Upper

168 100

99 59.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

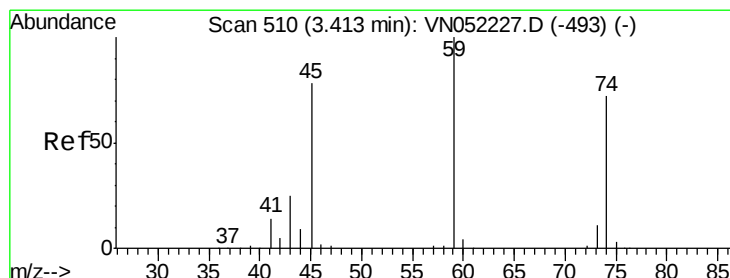
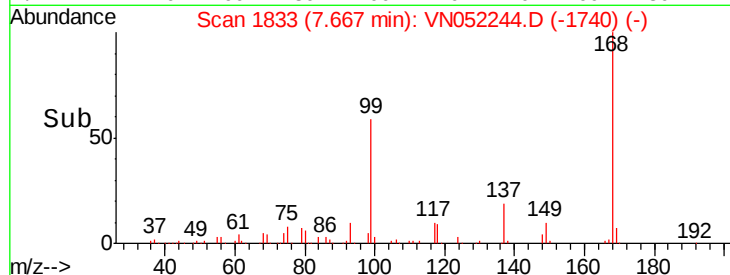
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#8

Diethyl Ether

Concen: 1.564 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052244.D

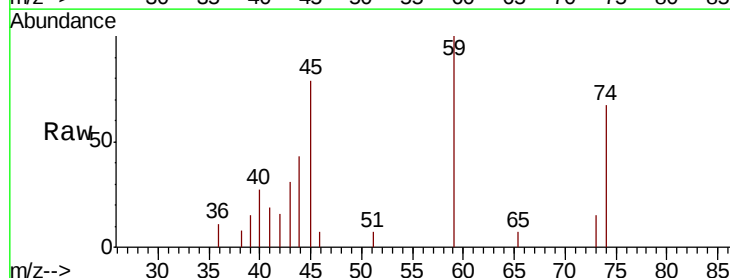
Acq: 9 Nov 2018 22:56

Tgt Ion: 74 Resp: 3531

Ion Ratio Lower Upper

74 100

45 54.2 55.5 166.7#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.42

2000

1500

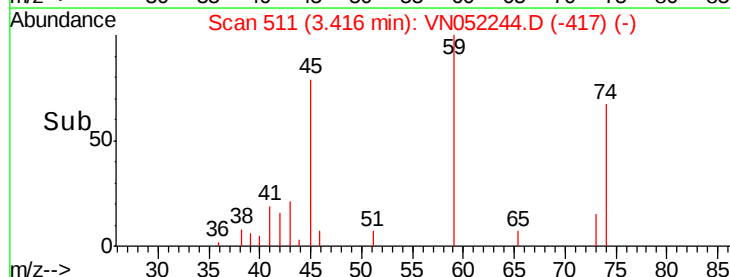
1000

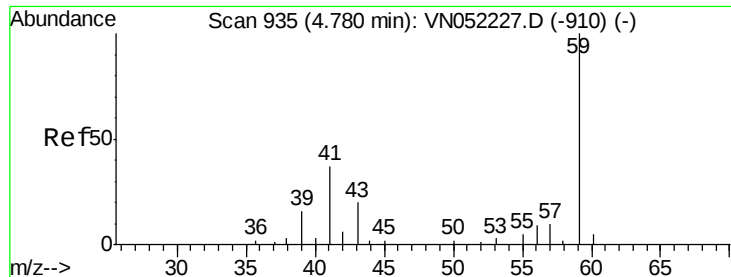
500

0

Time-->

3.35 3.40 3.45

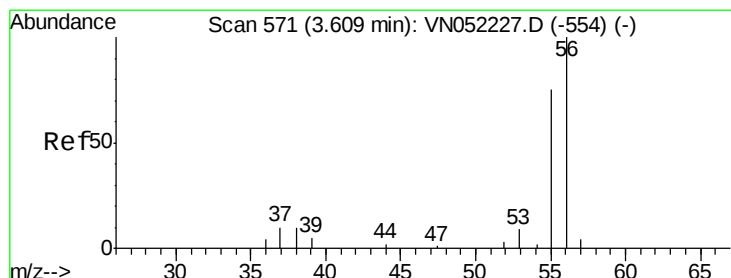
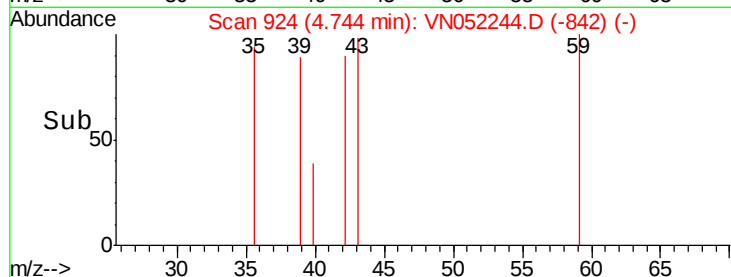
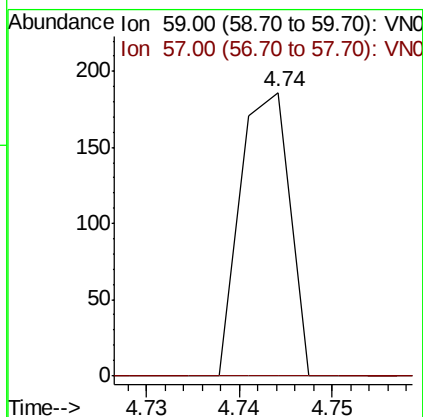
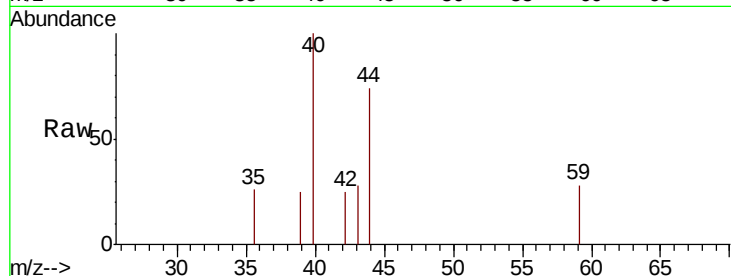




#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VN052244.D
Acq: 9 Nov 2018 22:56

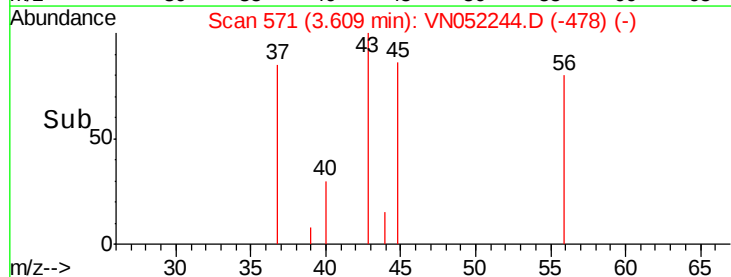
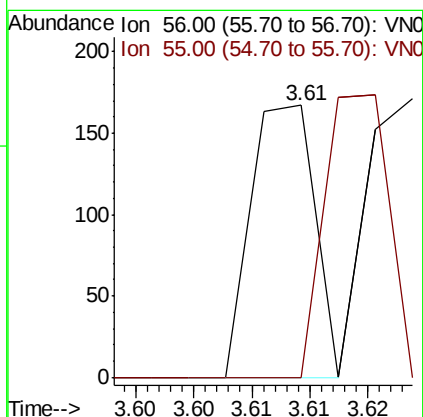
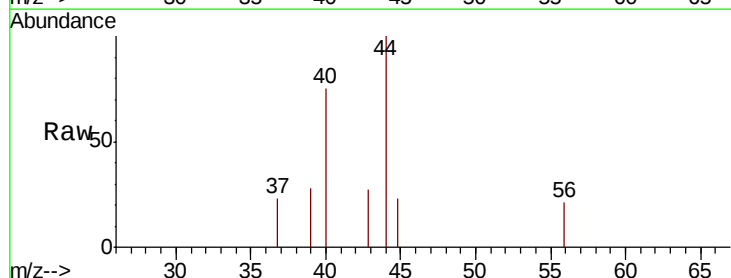
Instrument :
MSVOA_N
ClientSampled :
4626-22221

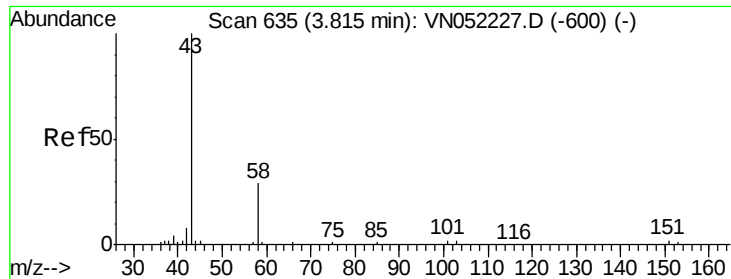
Tot Ion: 59 Resp: 69
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#13
Acrolein
Concen: 34.255 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052244.D
Acq: 9 Nov 2018 22:56

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 59.9 89.9#





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampled :

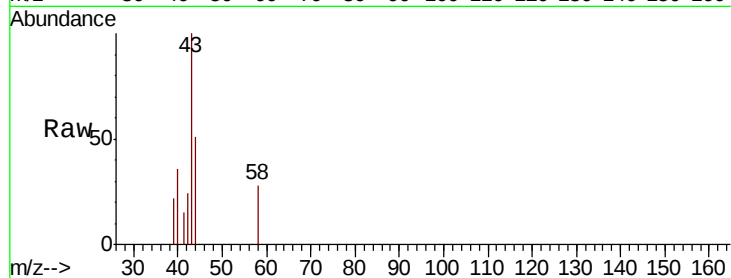
4626-22221

Tot Ion: 43 Resp: 3529

Ion Ratio Lower Upper

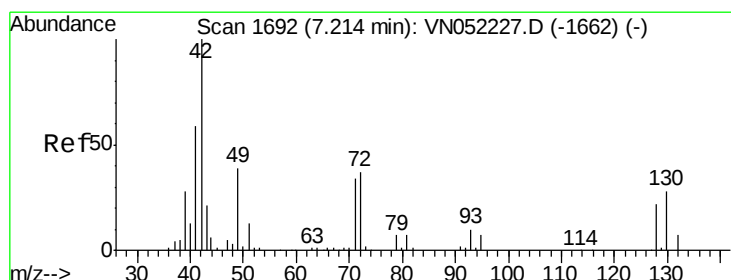
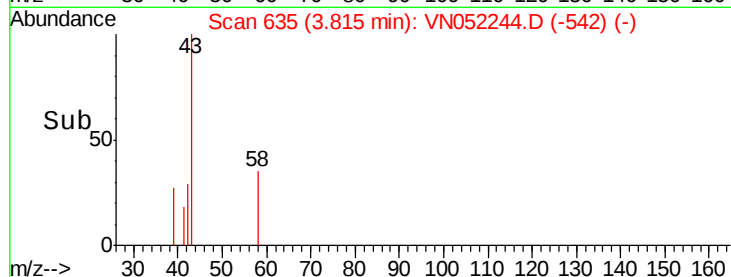
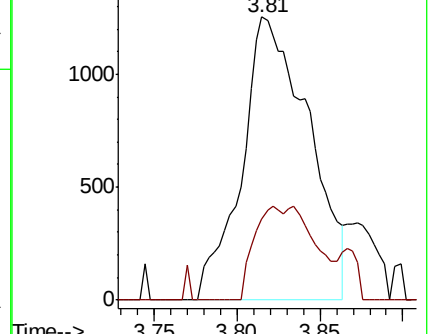
43 100

58 28.5 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#29

Tetrahydrofuran

Concen: 0.214 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

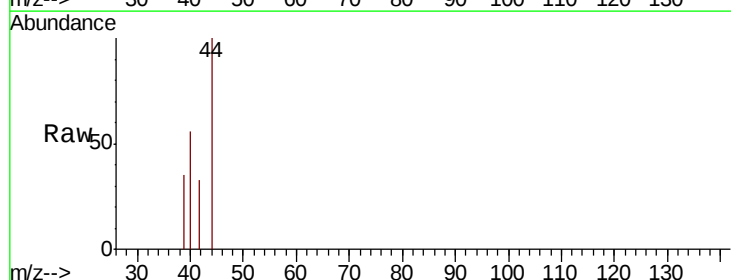
Tgt Ion: 42 Resp: 265

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

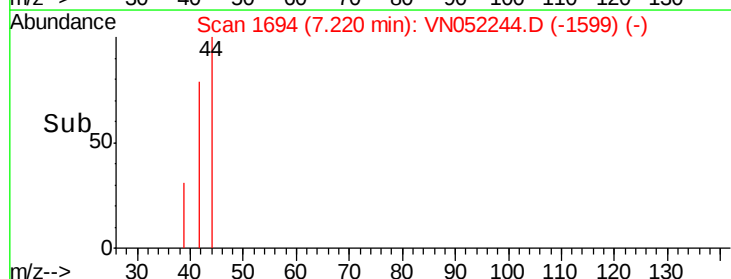
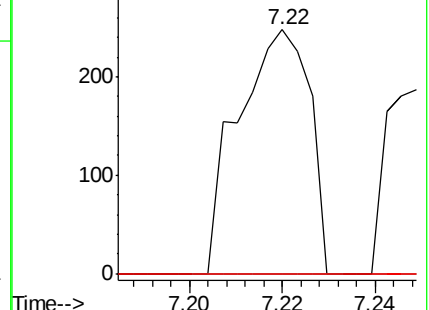
71 0.0 27.1 40.7#

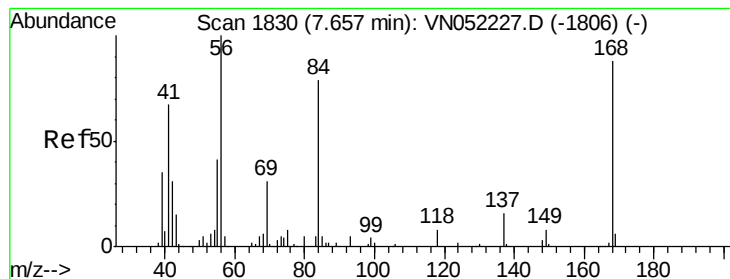


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.631 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampleId :

4626-22221

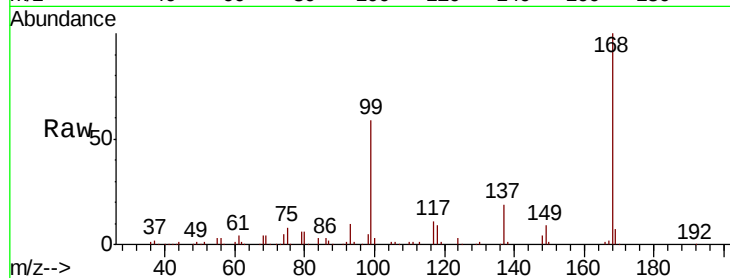
Tot Ion: 56 Resp: 9051

Ion Ratio Lower Upper

56 100

69 141.0 24.8 37.2#

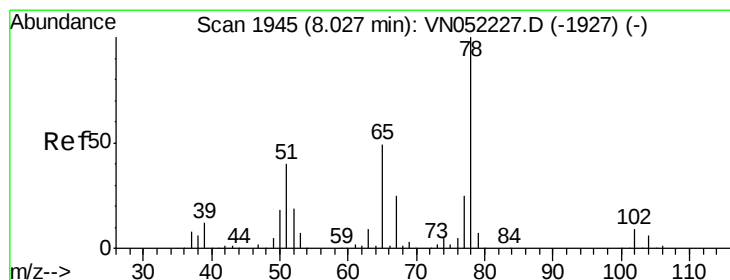
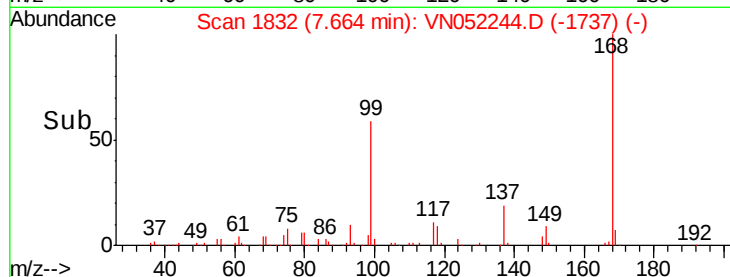
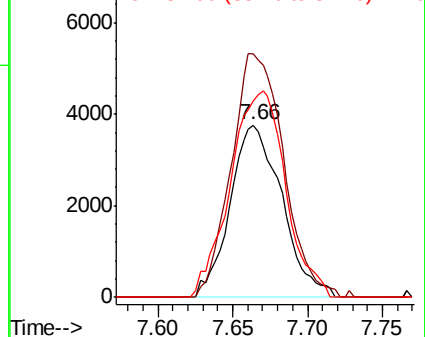
84 113.6 63.1 94.7#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052244.D

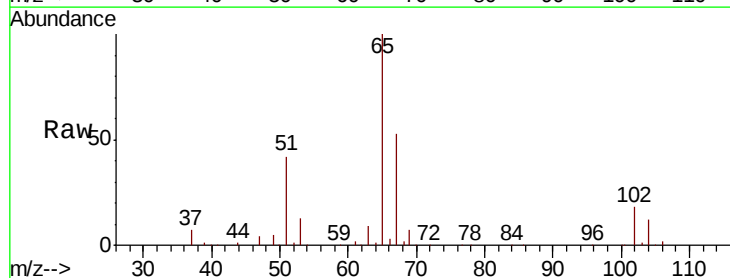
Acq: 9 Nov 2018 22:56

Tgt Ion: 65 Resp: 213262

Ion Ratio Lower Upper

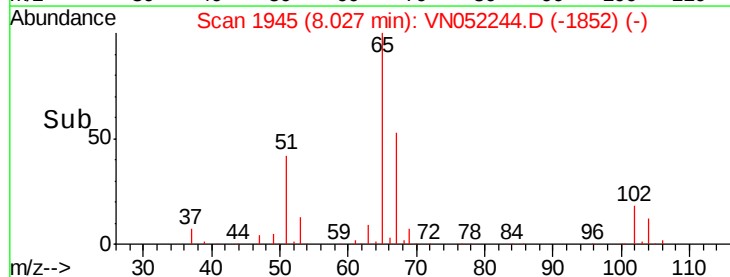
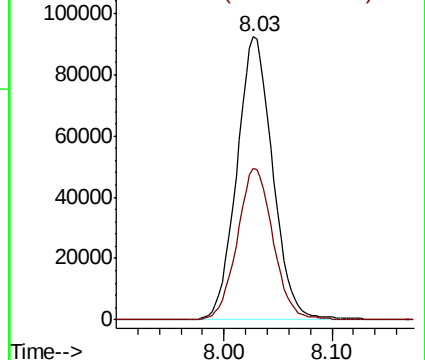
65 100

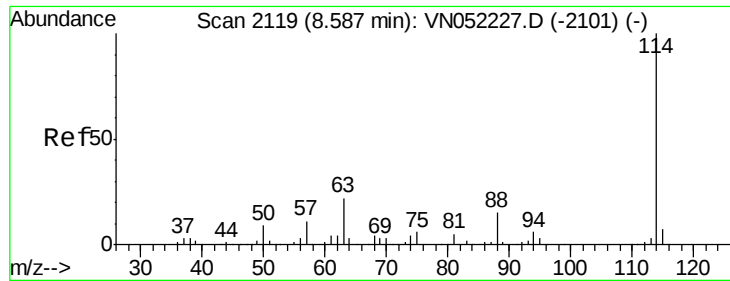
67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

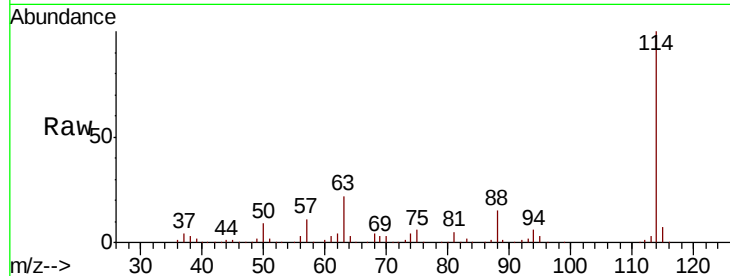




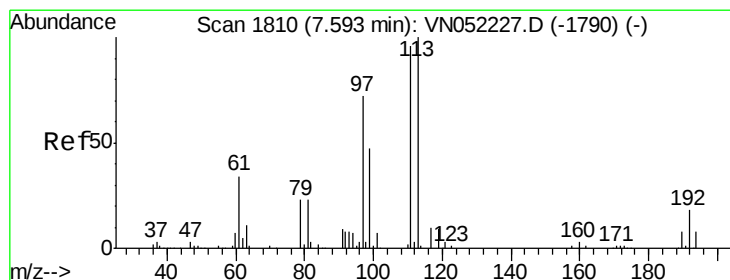
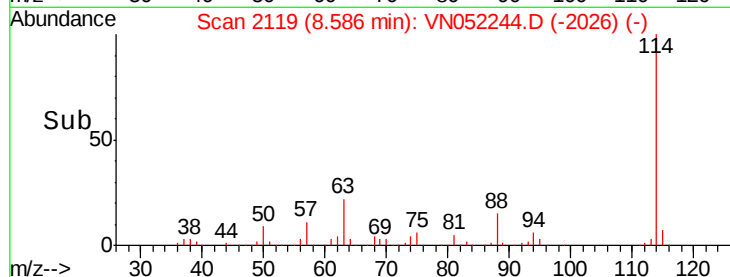
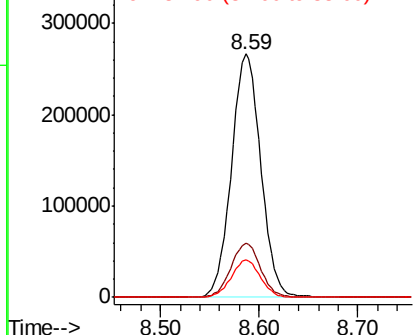
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052244.D
 Acq: 9 Nov 2018 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 4626-22221

Tot Ion:	114	Resp:	551925
Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.4
88	15.3	0.0	30.2

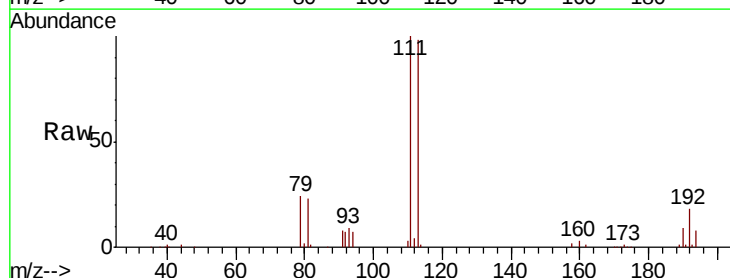


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

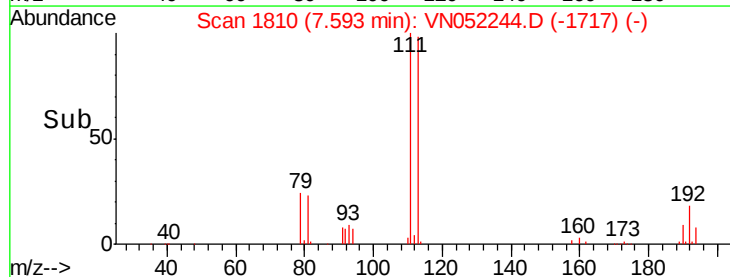
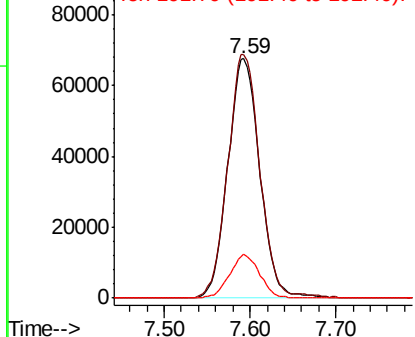


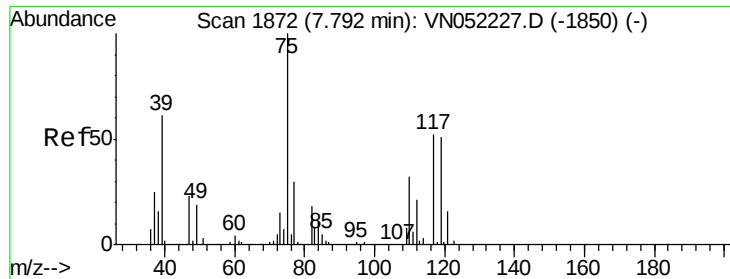
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052244.D
 Acq: 9 Nov 2018 22:56

Tgt Ion:	113	Resp:	174412
Ion	Ratio	Lower	Upper
113	100		
111	102.2	80.2	120.4
192	17.1	14.1	21.1



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: 5.310 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampleId :

4626-22221

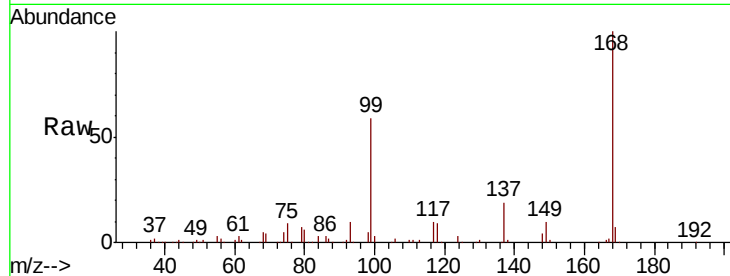
Tot Ion: 75 Resp: 29579

Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.4#

77 0.0 23.9 35.9#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN052227.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-1850) (-)

7.67

15000

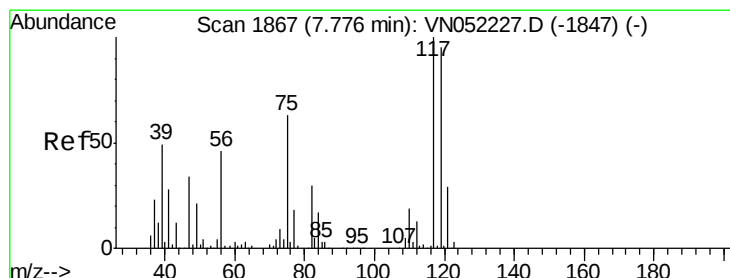
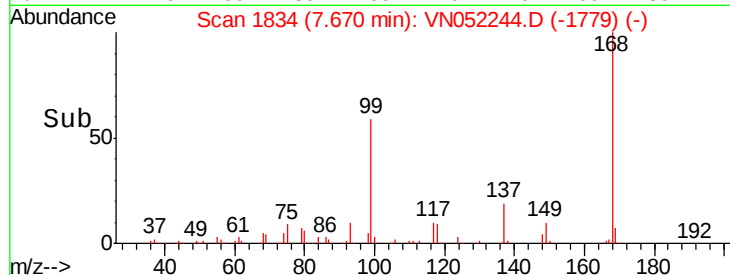
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 6.586 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

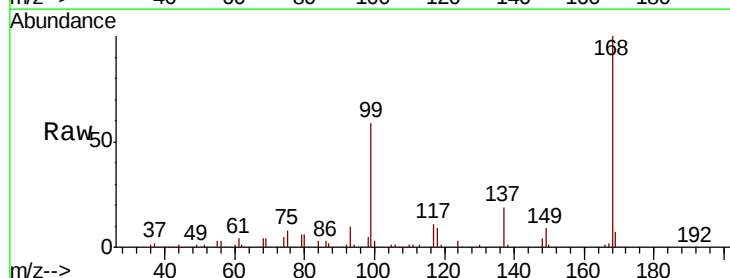
Tgt Ion: 117 Resp: 33249

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN052227.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN052227.D (-1847) (-)

7.66

20000

15000

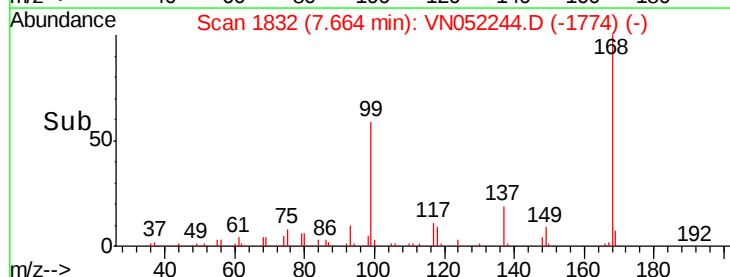
10000

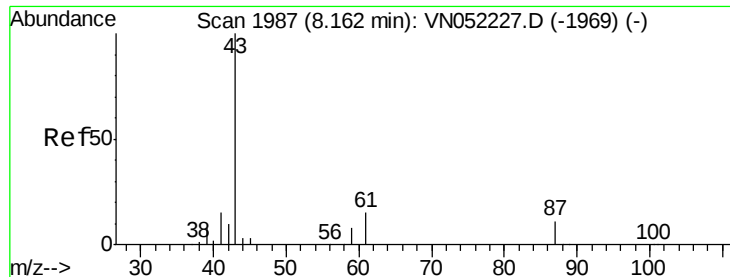
5000

0

7.60 7.65 7.70 7.75

Time-->





#43

Isopropyl Acetate

Concen: 0.490 ug/l

RT: 8.20 min Scan# 1998

Delta R.T. 0.04 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

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ClientSampleId :

4626-22221

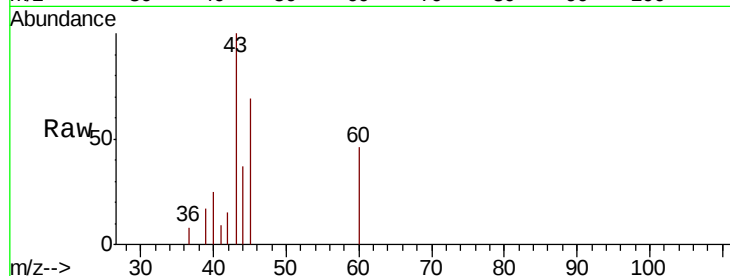
Tot Ion: 43 Resp: 3576

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

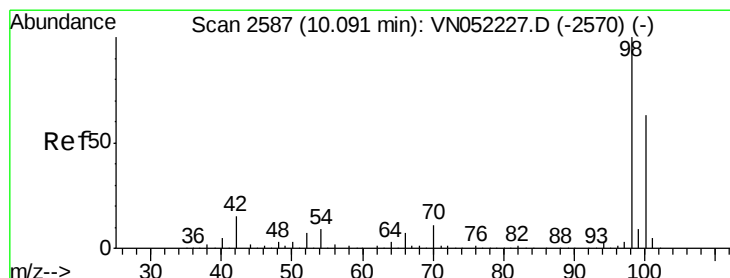
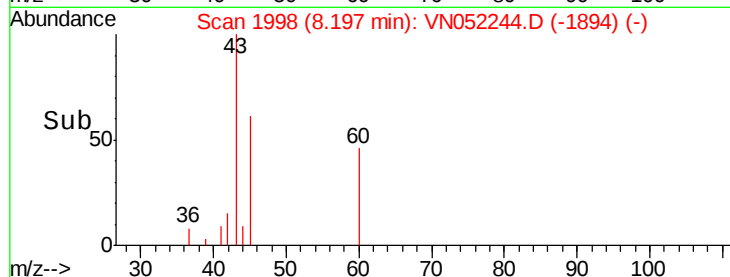
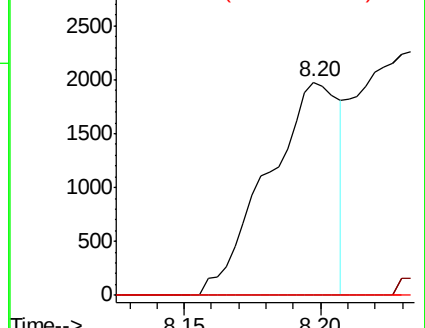
87 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052244.D

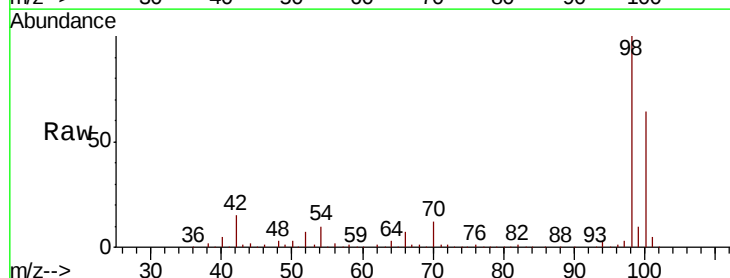
Acq: 9 Nov 2018 22:56

Tgt Ion: 98 Resp: 677060

Ion Ratio Lower Upper

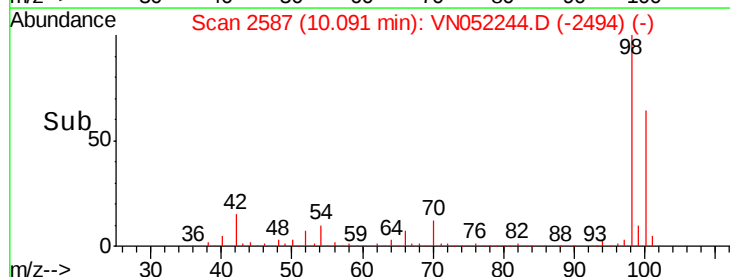
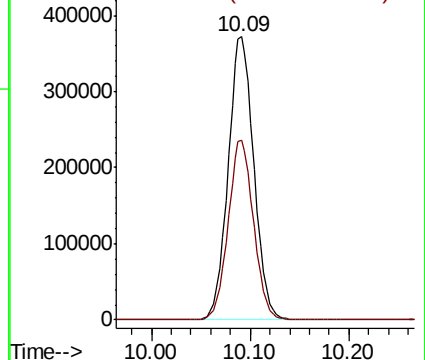
98 100

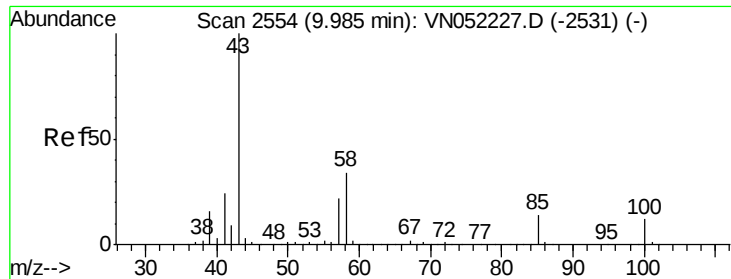
100 62.8 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.566 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampleId :

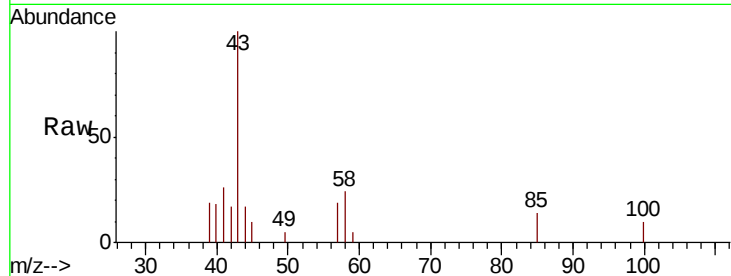
4626-22221

Tot Ion: 43 Resp: 6317

Ion Ratio Lower Upper

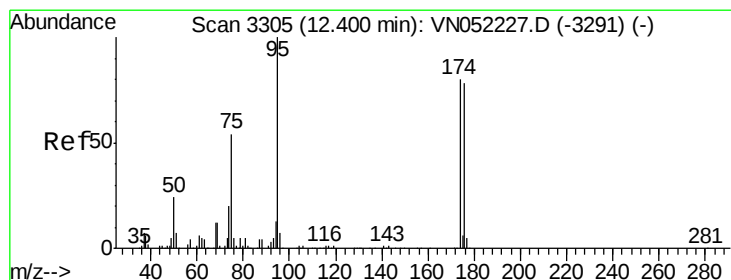
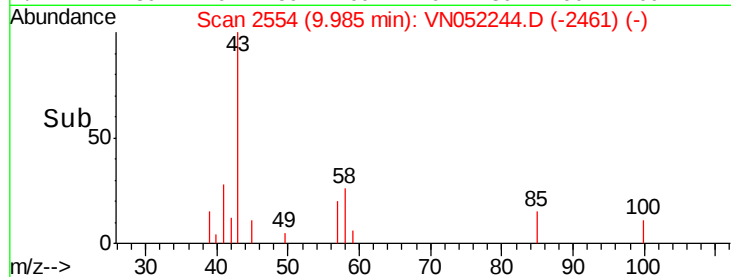
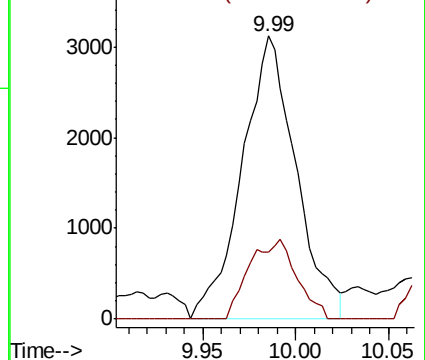
43 100

58 24.9 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2531) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

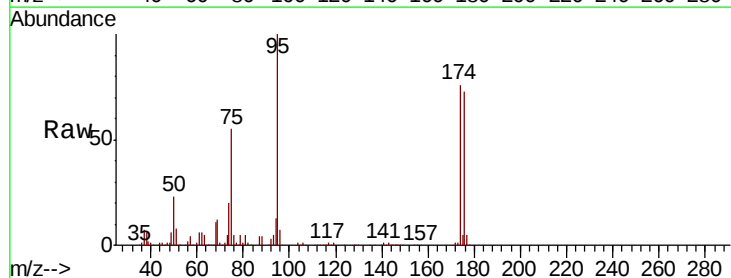
Tgt Ion: 95 Resp: 198327

Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.4

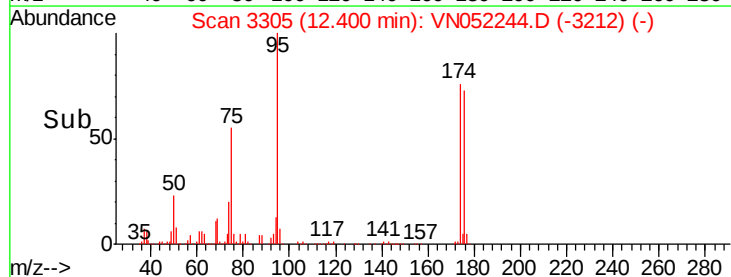
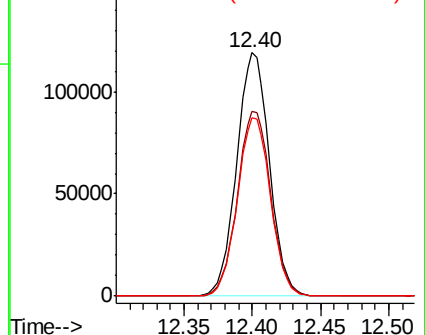
176 73.9 0.0 157.8

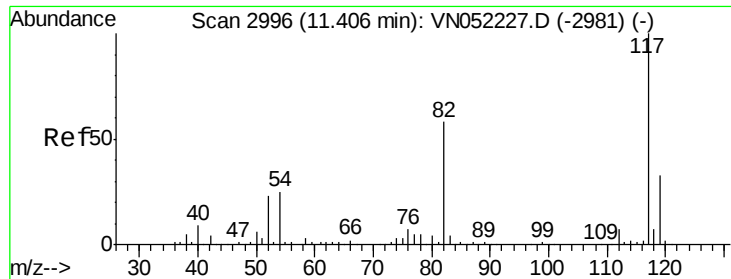


Abundance Ion 94.90 (94.60 to 95.60): VN052227.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052227.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052227.D (-3291) (-)

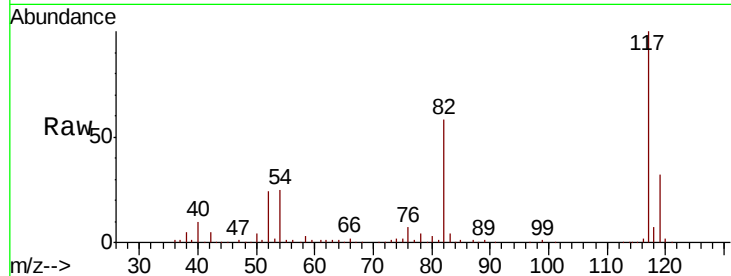




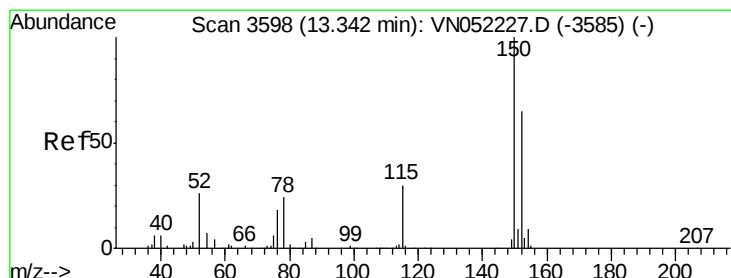
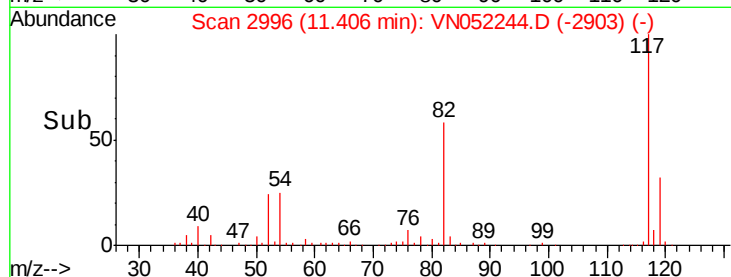
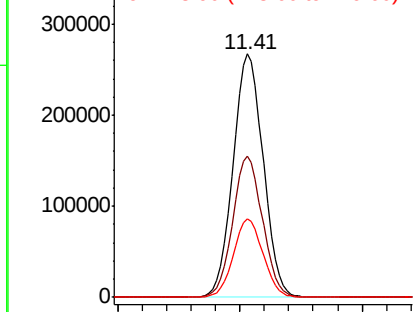
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN052244.D
 Acq: 9 Nov 2018 22:56

Instrument :
 MSVOA_N
 ClientSampleId :
 4626-22221

Tot Ion:117 Resp: 458361
 Ion Ratio Lower Upper
 117 100
 82 57.8 46.2 69.2
 119 32.1 26.2 39.4

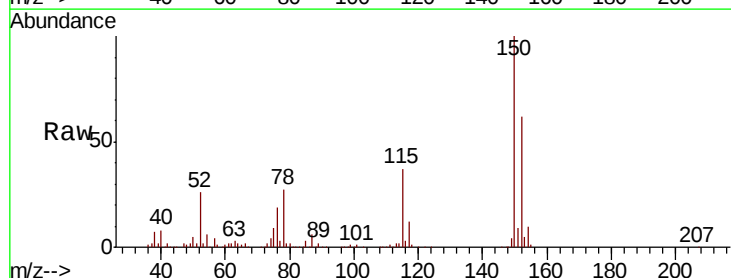


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

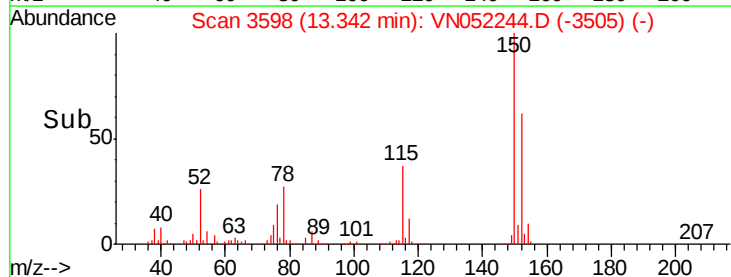
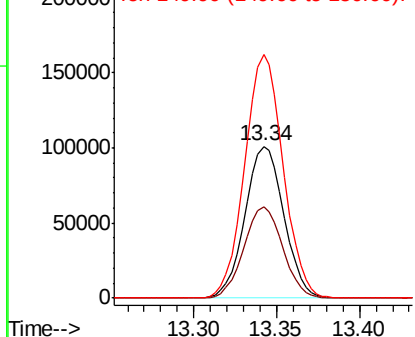


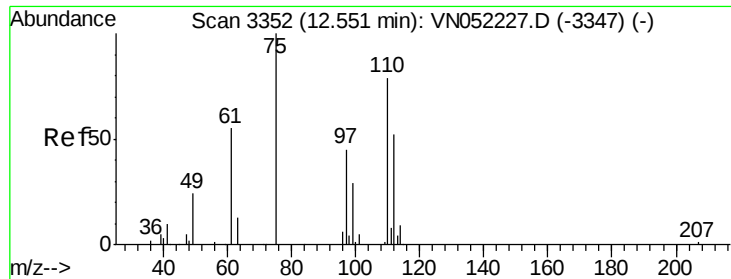
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN052244.D
 Acq: 9 Nov 2018 22:56

Tgt Ion:152 Resp: 164523
 Ion Ratio Lower Upper
 152 100
 115 60.1 29.8 89.5
 150 158.3 0.0 350.2



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: 37.372 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

Instrument :

MSVOA_N

ClientSampled :

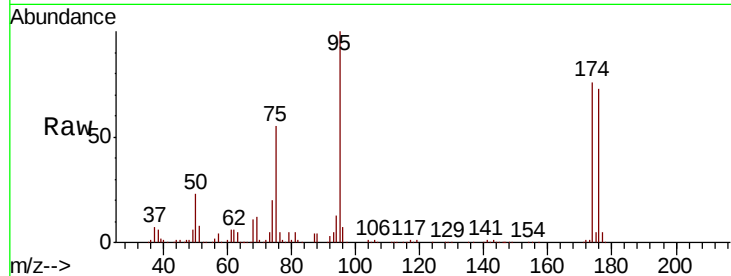
4626-22221

Tot Ion: 75 Resp: 108783

Ion Ratio Lower Upper

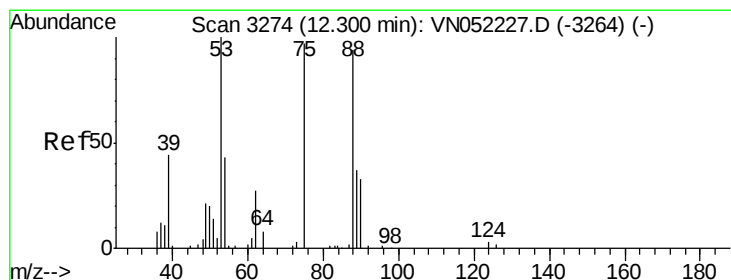
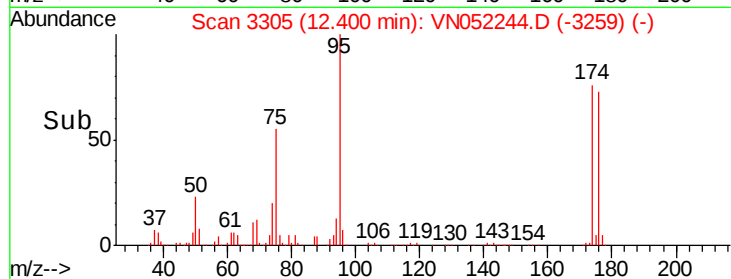
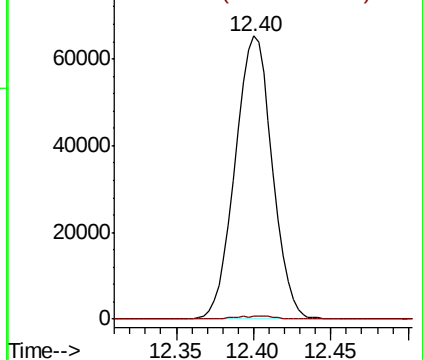
75 100

77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 127.566 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052244.D

Acq: 9 Nov 2018 22:56

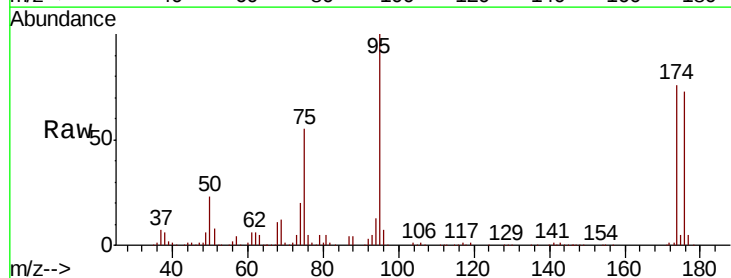
Tgt Ion: 75 Resp: 108783

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#



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

