

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052294.D
 Acq On : 13 Nov 2018 18:37
 Operator : MD\SY
 Sample : PB114744ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:10:45 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	307133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	518164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166723	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	211337	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.59	113	162026	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	648954	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	201880	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	

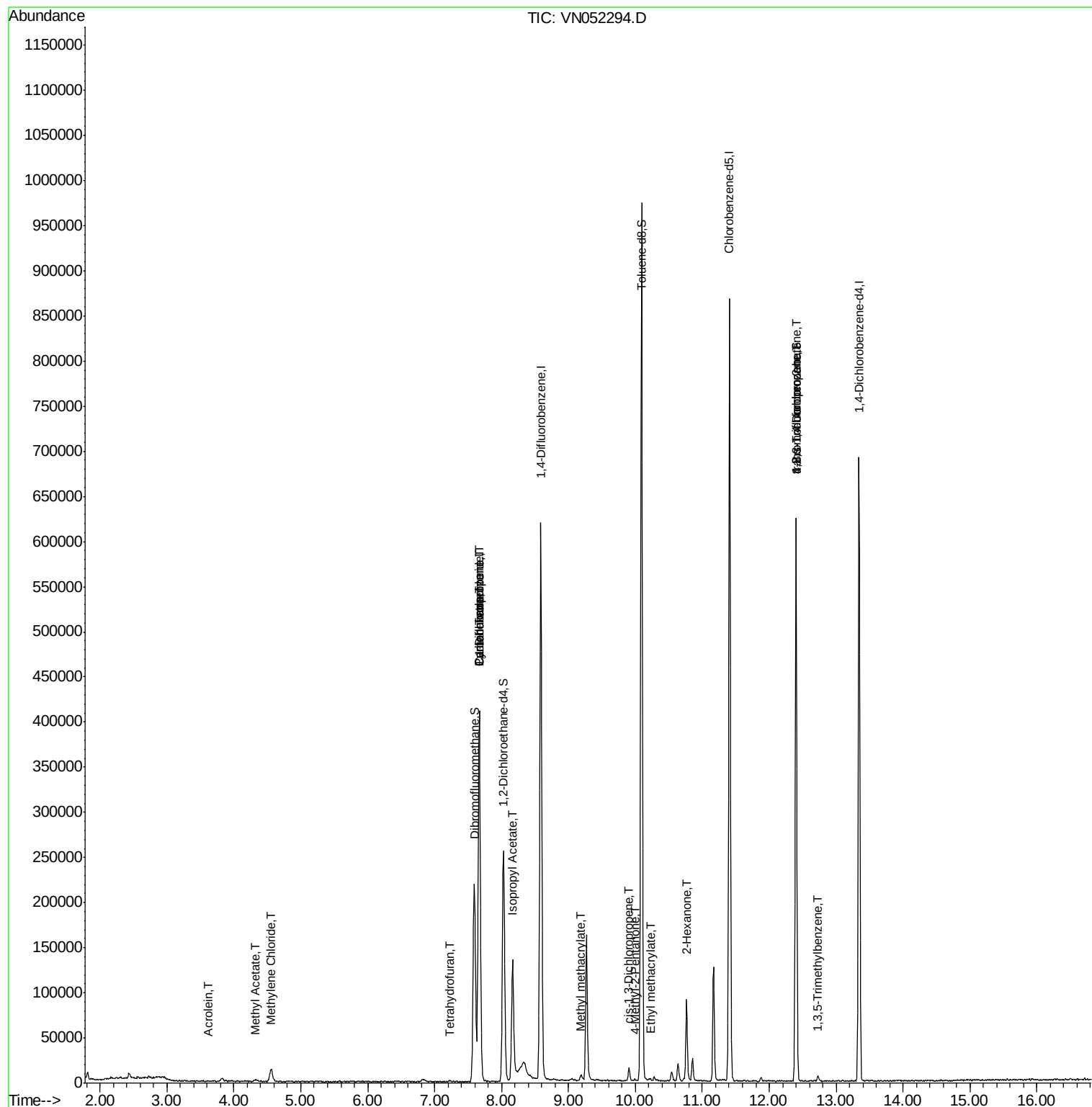
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	94	34.342	ug/l #	12
16) Acetone	3.82	43	5878	Below Cal		98
18) Methyl Acetate	4.33	43	3182	0.907	ug/l #	84
20) Methylene Chloride	4.55	84	9094	2.375	ug/l	93
29) Tetrahydrofuran	7.22	42	383	0.328	ug/l #	69
31) Cyclohexane	7.66	56	8922	0.693	ug/l #	20
36) 1,1-Dichloropropene	7.67	75	26133	4.997	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32273	6.809	ug/l #	17
43) Isopropyl Acetate	8.17	43	167391	24.413	ug/l	97
48) Methyl methacrylate	9.18	41	4194	1.161	ug/l #	40
51) 4-Methyl-2-Pentanone	9.98	43	831	0.219	ug/l #	84
54) cis-1,3-Dichloropropene	9.91	75	2519	0.434	ug/l #	69
56) Ethyl methacrylate	10.22	69	1071	0.243	ug/l	92
59) 2-Hexanone	10.76	43	14872	5.595	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	109788	37.219	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2631	0.243	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.40	75	109788	127.046	ug/l #	8

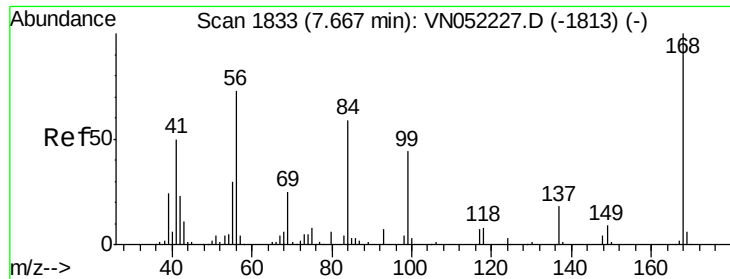
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

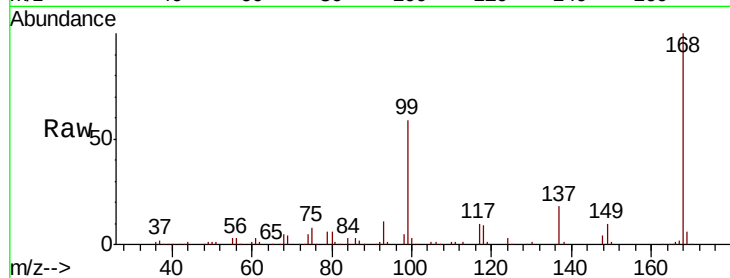
ClientSampled :

Tot Ion:168 Resp: 307133

Ion Ratio Lower Upper

168 100

99 58.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

150000

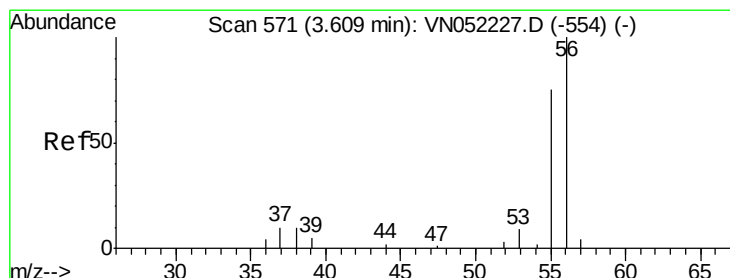
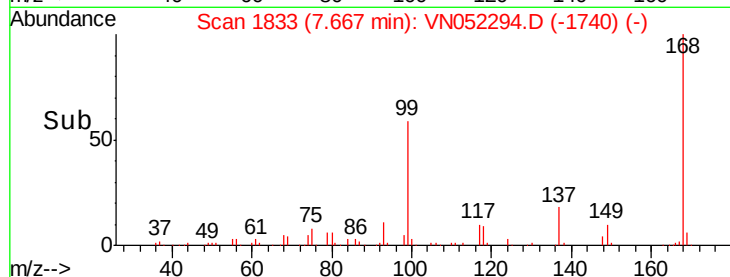
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 34.342 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052294.D

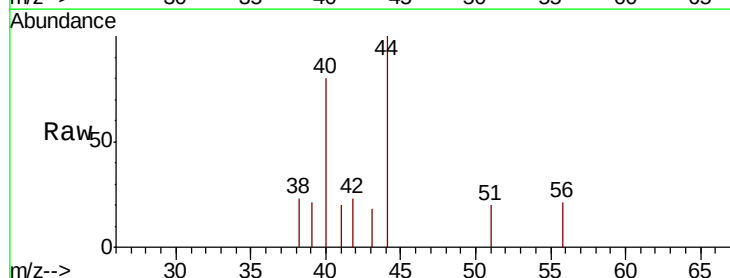
Acq: 13 Nov 2018 18:37

Tgt Ion: 56 Resp: 94

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

250

200

150

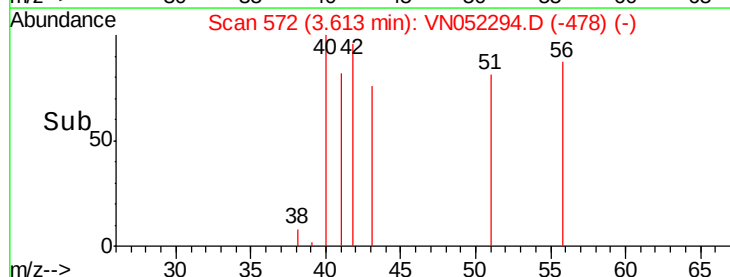
100

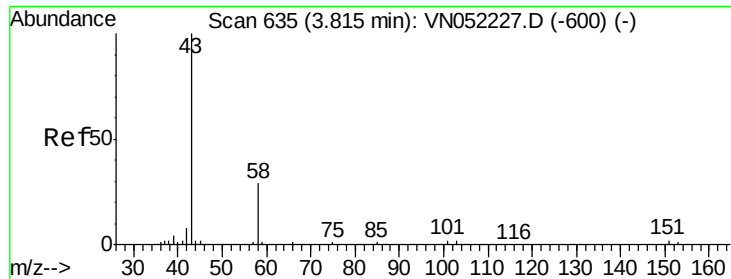
50

0

Time-->

3.60 3.61 3.62

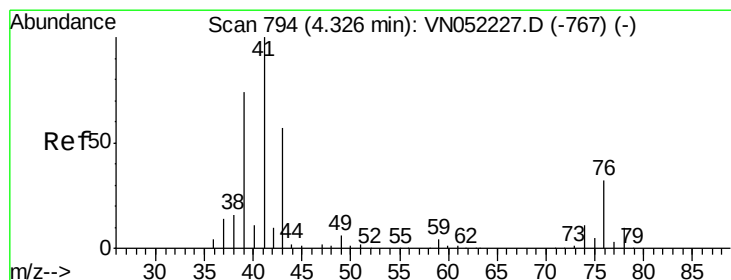
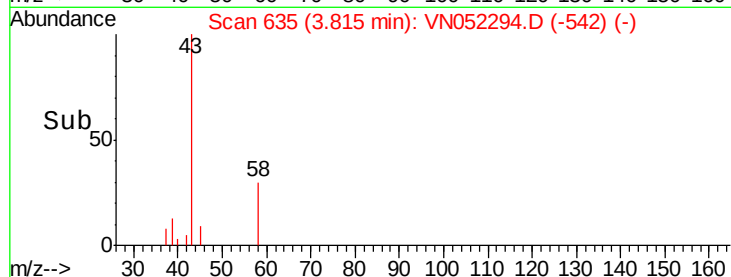
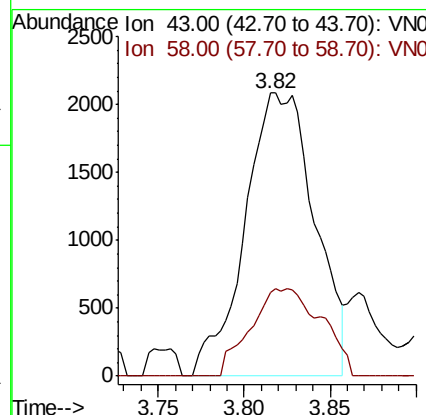
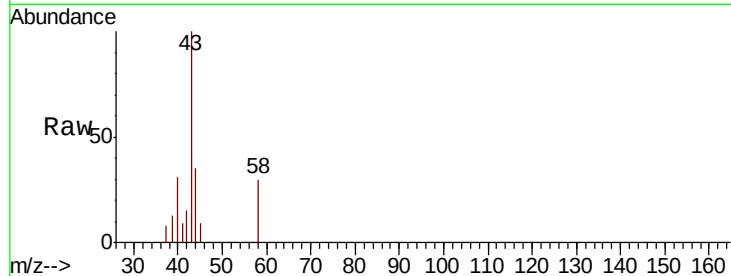




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 635
Delta R.T. 0.00 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

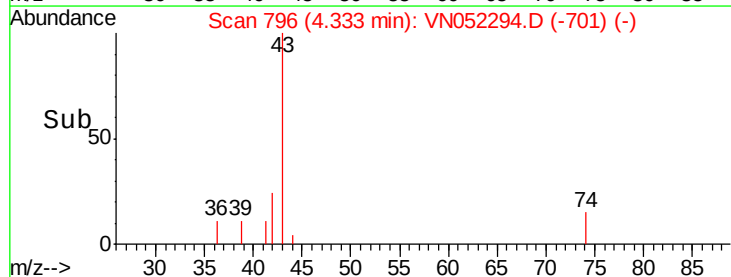
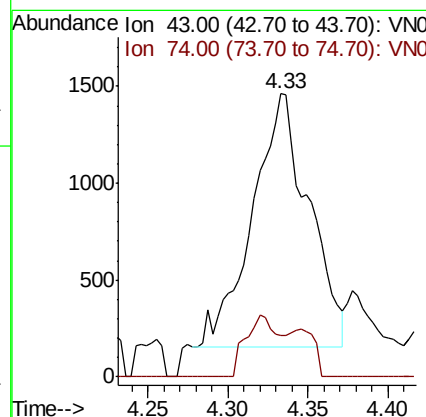
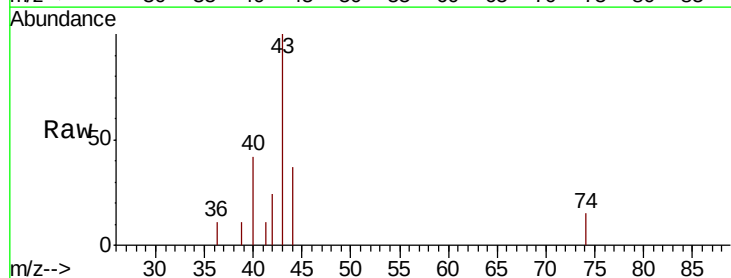
Instrument :
MSVOA_N
ClientSampleId :

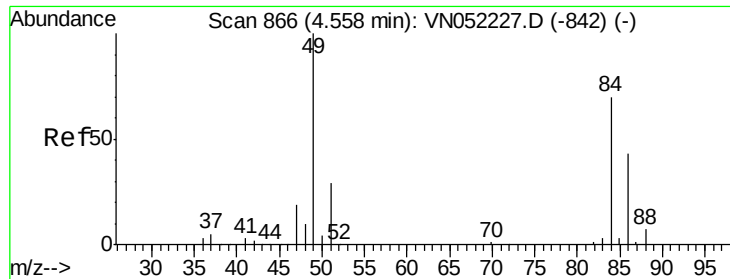
Tot Ion: 43 Resp: 5878
Ion Ratio Lower Upper
43 100
58 29.6 23.0 34.6



#18
Methyl Acetate
Concen: 0.907 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

Tgt Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
74 12.9 16.2 24.2#

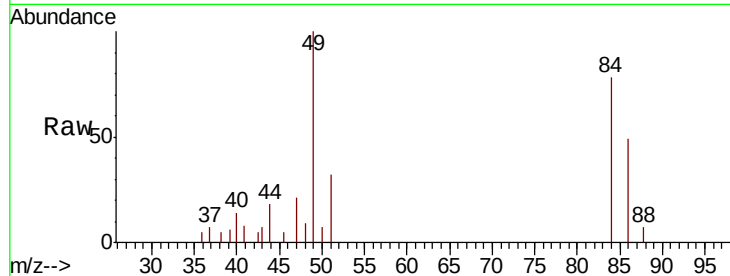




#20
Methvlene Chloride
Concen: 2.375 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	84	Resp:	9094
Ion	Ratio	Lower	Upper
84	100		
49	128.6	114.8	172.2
51	41.3	33.1	49.7
86	62.6	49.7	74.5



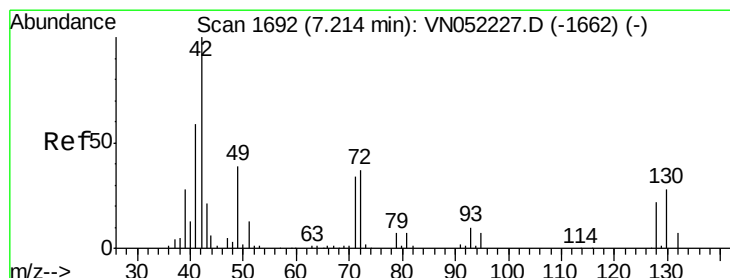
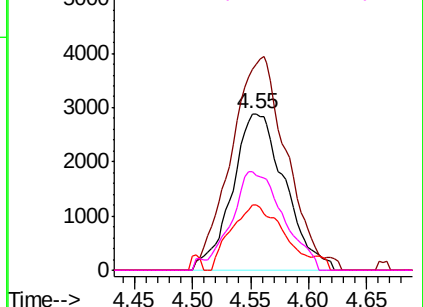
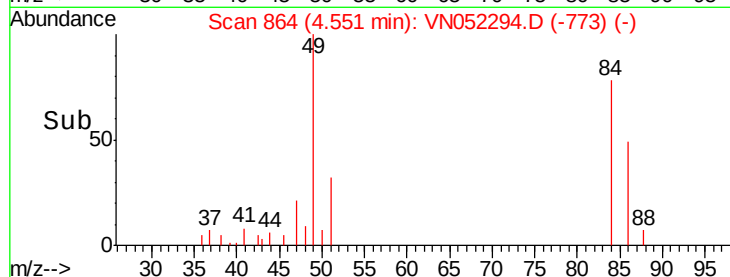
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

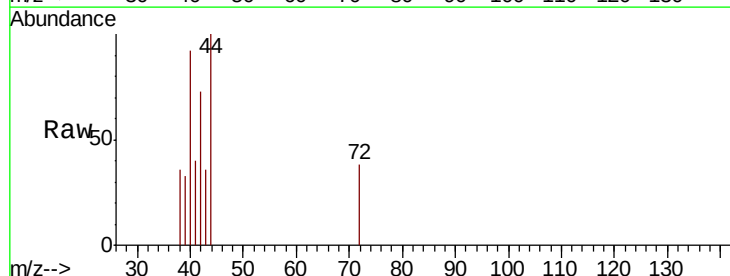
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29
Tetrahydrofuran
Concen: 0.328 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

Tgt Ion:	42	Resp:	383
Ion	Ratio	Lower	Upper
42	100		
72	38.6	28.6	43.0
71	0.0	27.1	40.7#

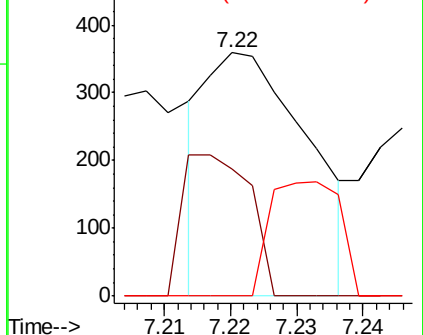
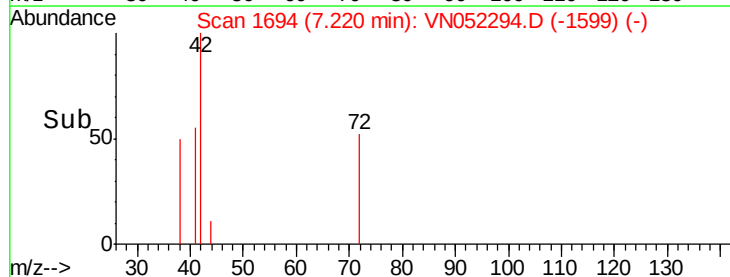


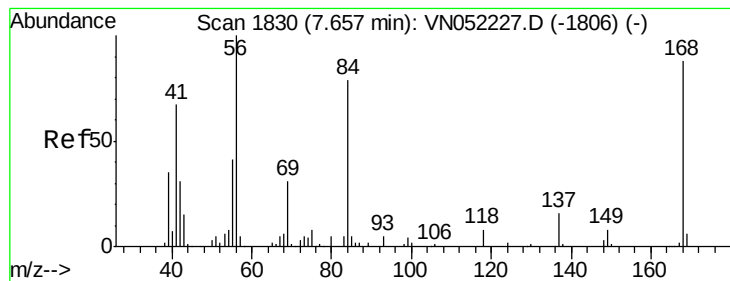
Abundance

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: 0.693 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

ClientSampleId :

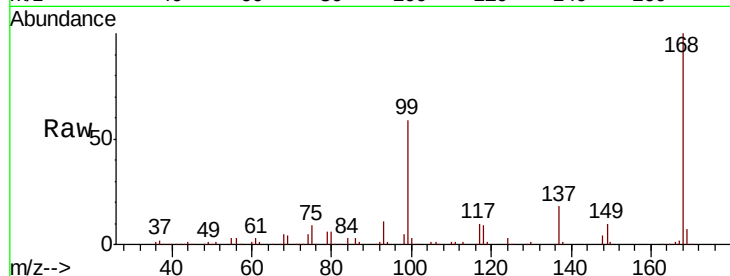
Tot Ion: 56 Resp: 8922

Ion Ratio Lower Upper

56 100

69 145.0 24.8 37.2#

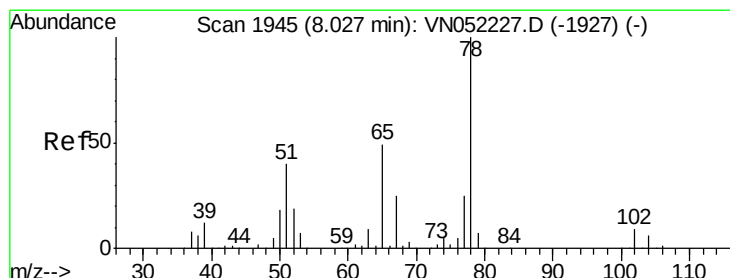
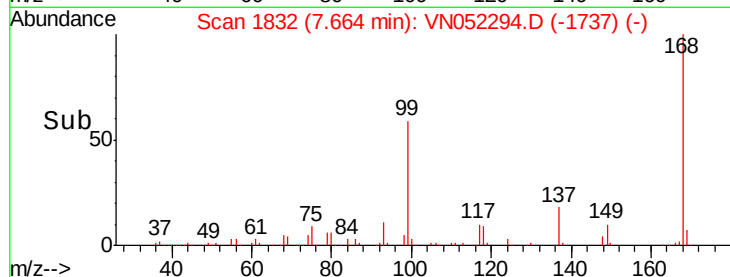
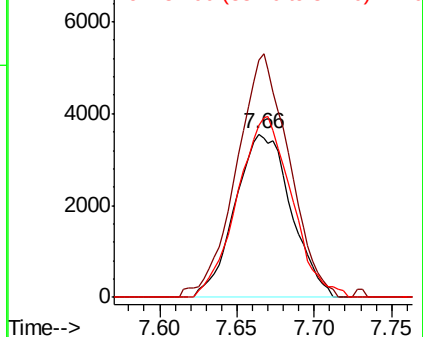
84 104.8 63.1 94.7#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052227.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052294.D

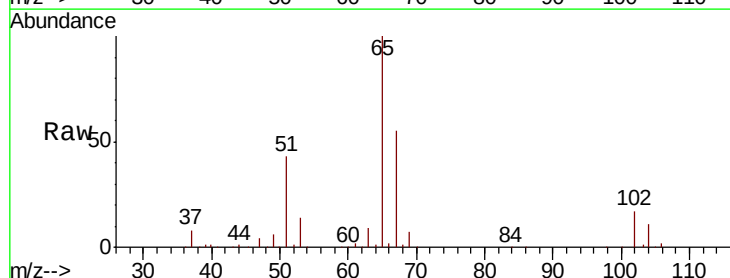
Acq: 13 Nov 2018 18:37

Tgt Ion: 65 Resp: 211337

Ion Ratio Lower Upper

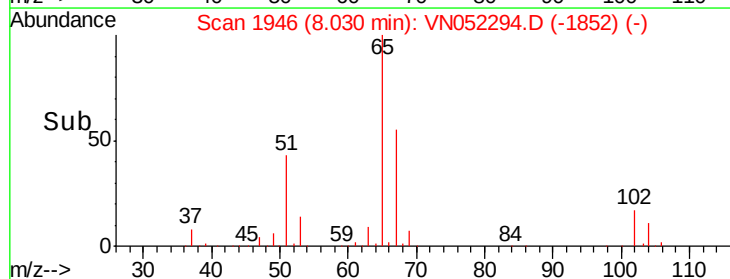
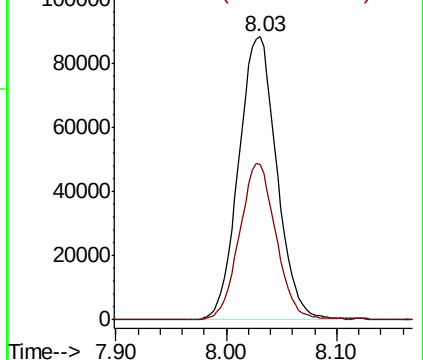
65 100

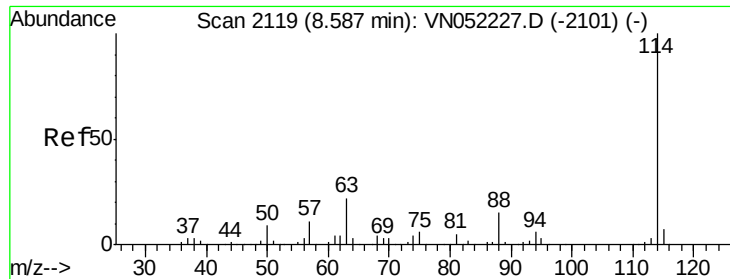
67 53.2 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN052227.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN052227.D (-1927) (-)

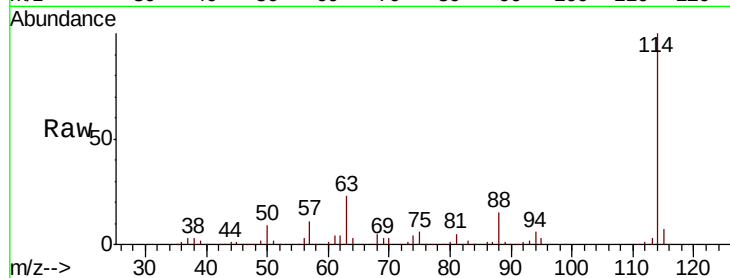




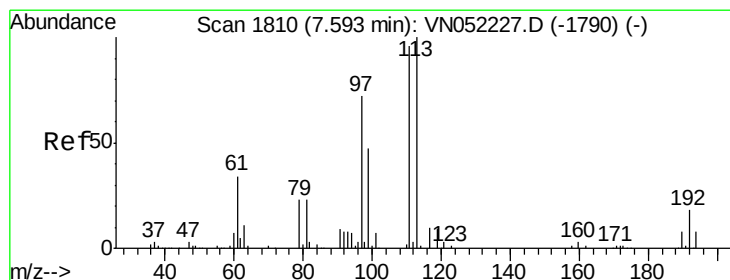
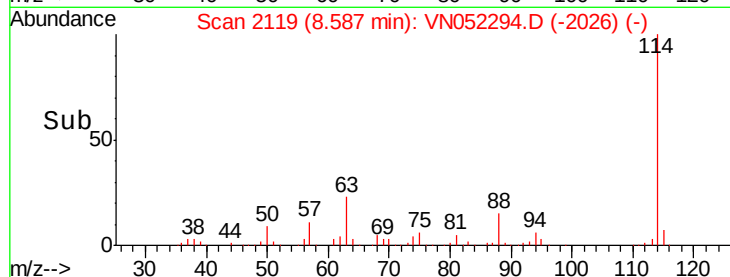
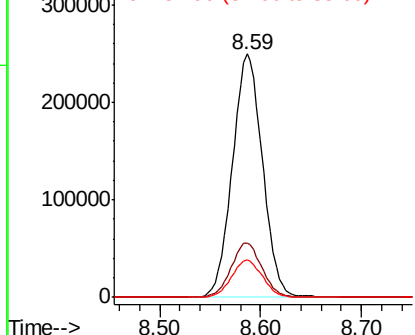
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 518164
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 15.2 0.0 30.2

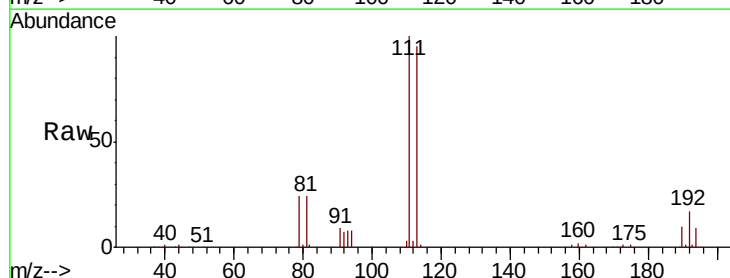


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

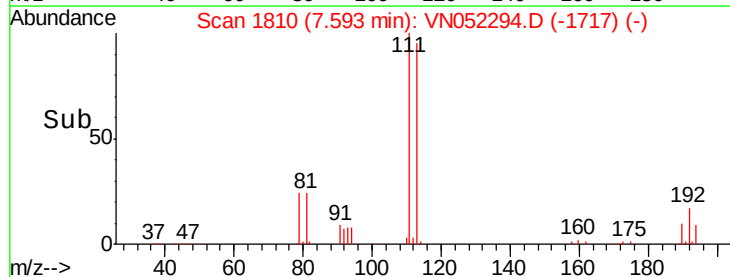
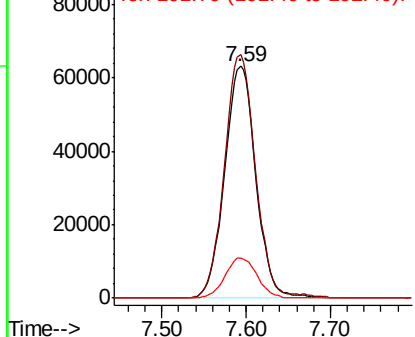


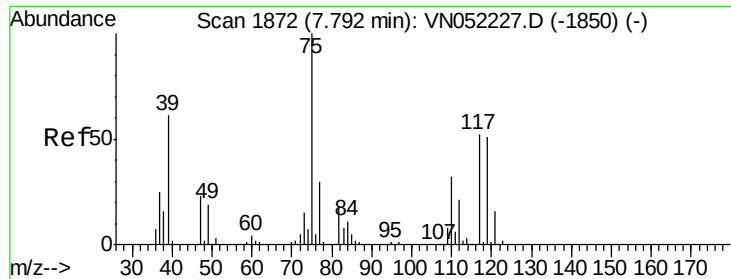
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Tgt Ion:113 Resp: 162026
 Ion Ratio Lower Upper
 113 100
 111 104.2 80.2 120.4
 192 17.8 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

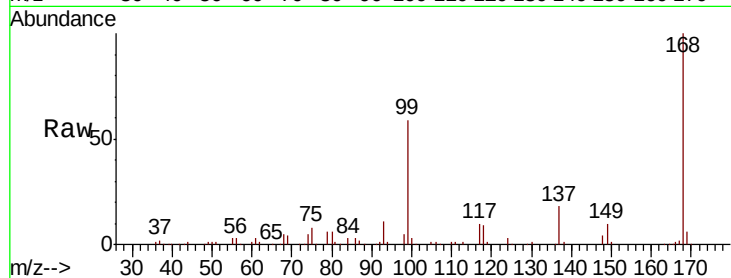




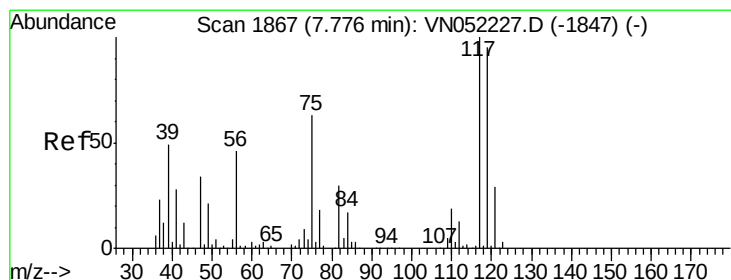
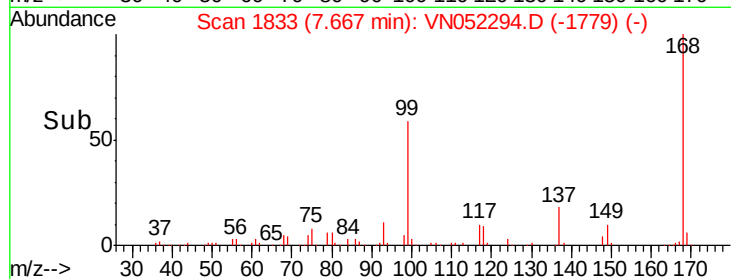
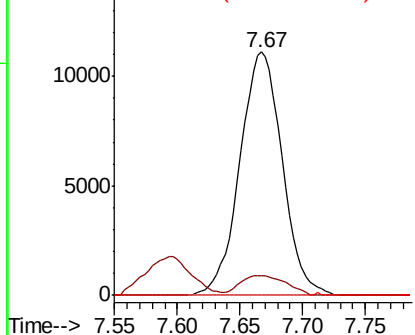
#36
 1,1-Dichloropropene
 Concen: 4.997 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.4#
77	0.0	23.9	35.9#

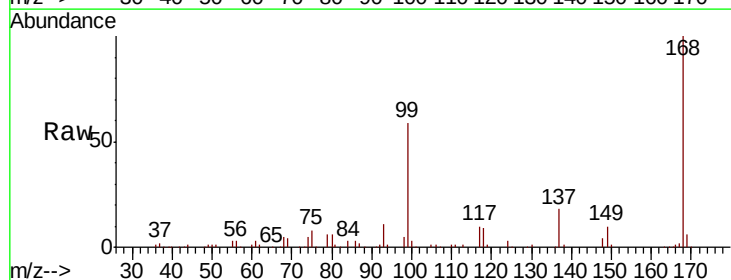


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)
 Ion 109.90 (109.60 to 110.60): VN052227.D (-1850) (-)
 Ion 76.90 (76.60 to 77.60): VN052227.D (-1850) (-)

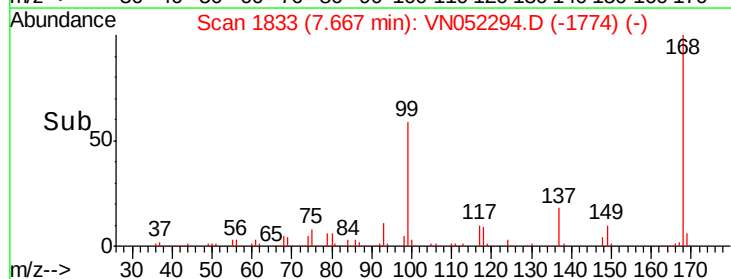
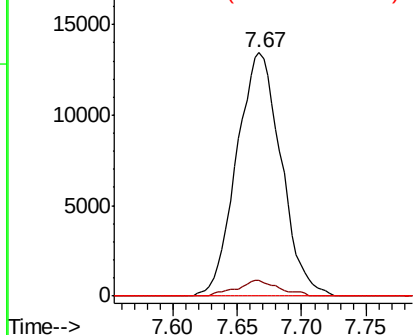


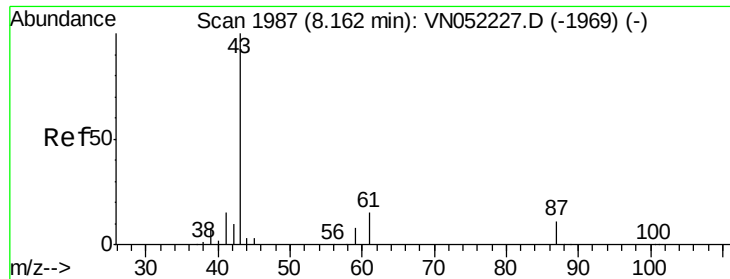
#38
 Carbon Tetrachloride
 Concen: 6.809 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	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) (-)





#43

Isopropyl Acetate

Concen: 24.413 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

ClientSampled :

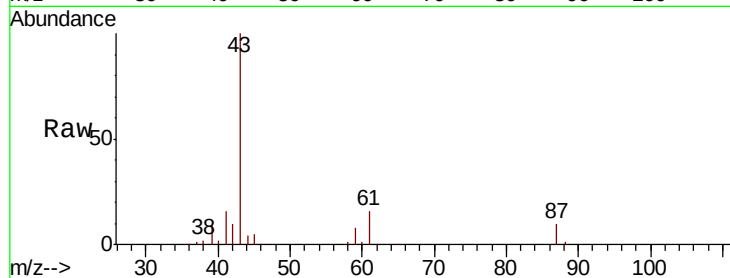
Tot Ion: 43 Resp: 167391

Ion Ratio Lower Upper

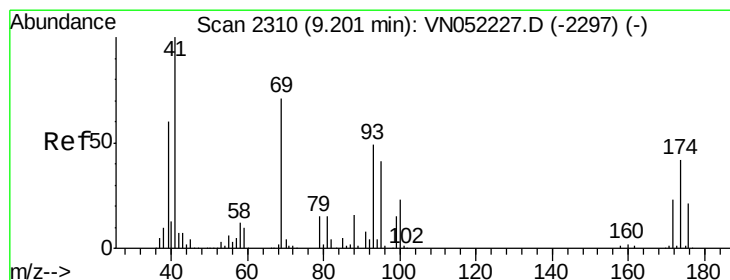
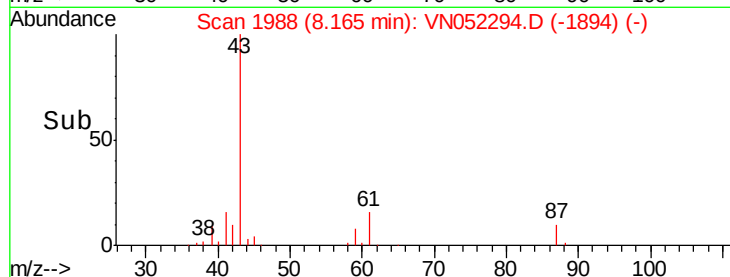
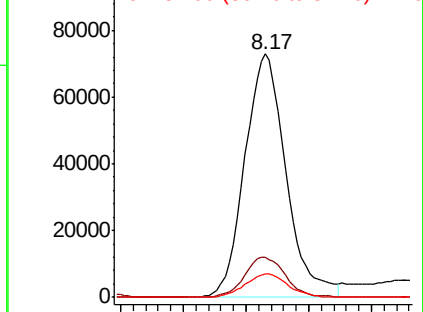
43 100

61 16.5 14.2 21.4

87 9.9 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



#48

Methyl methacrylate

Concen: 1.161 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.03 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

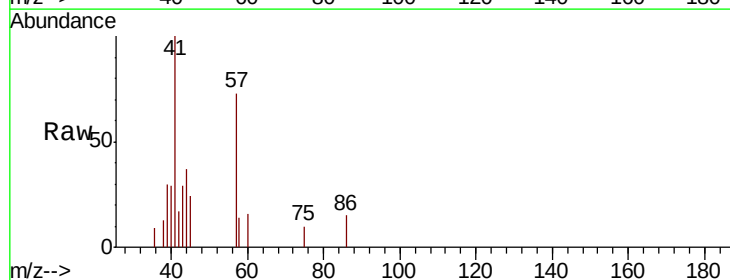
Tgt Ion: 41 Resp: 4194

Ion Ratio Lower Upper

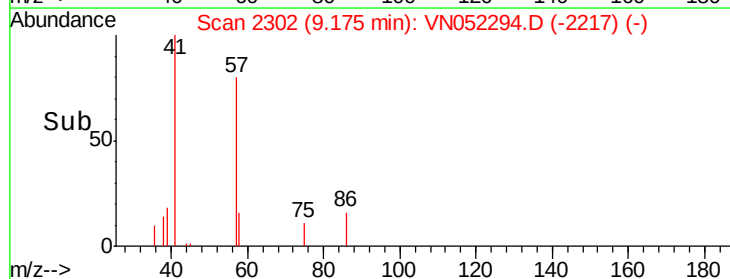
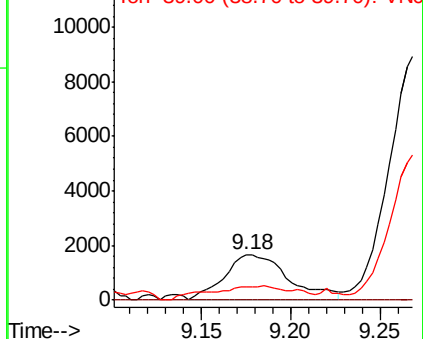
41 100

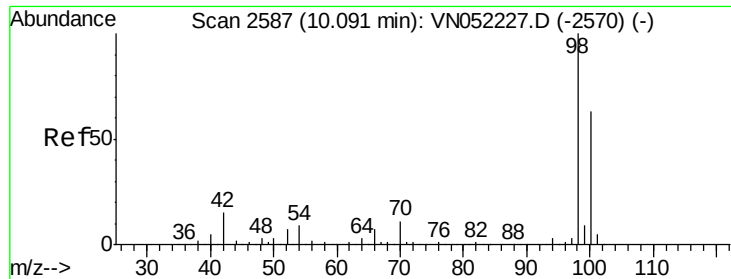
69 0.0 58.8 88.2#

39 40.8 50.7 76.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

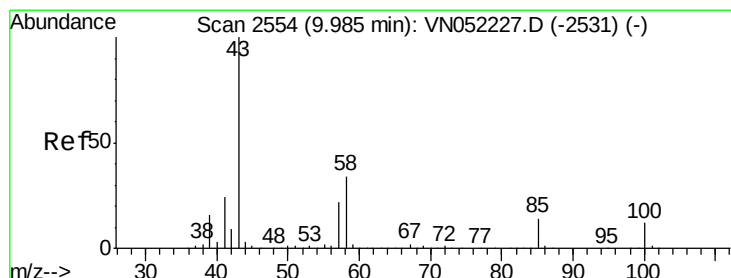
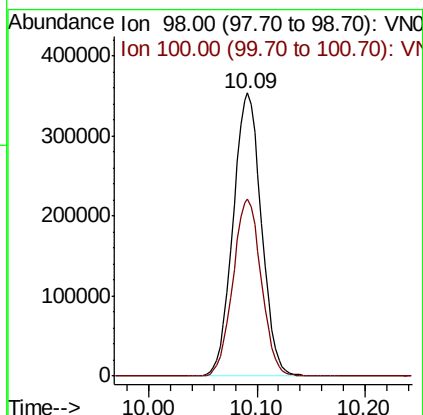
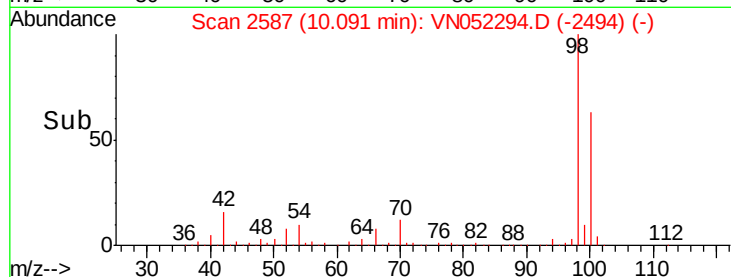
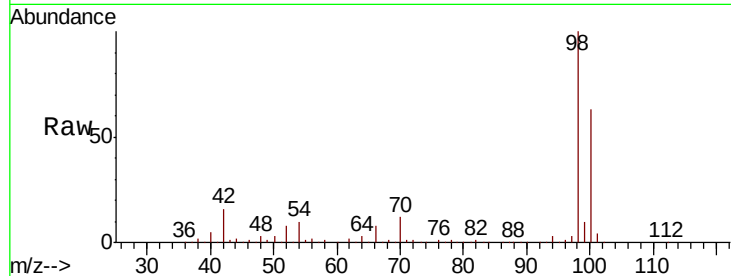
ClientSampled :

Tot Ion: 98 Resp: 648954

Ion Ratio Lower Upper

98 100

100 62.4 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 0.219 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052294.D

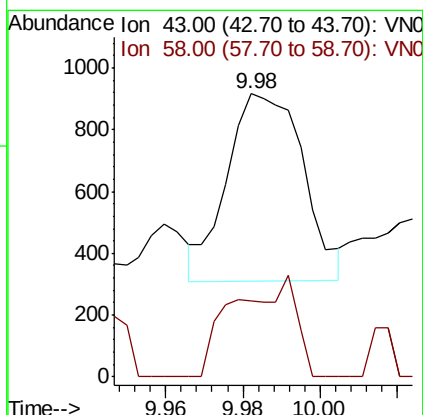
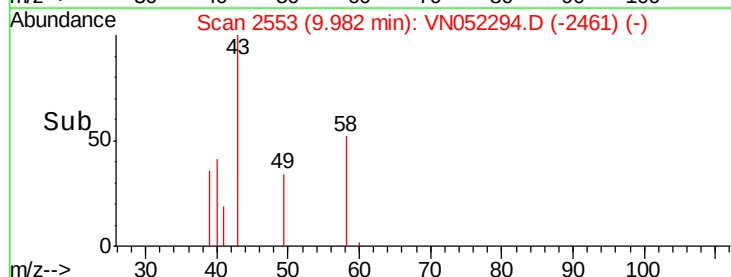
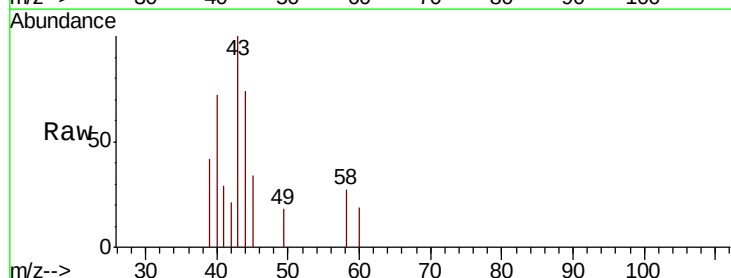
Acq: 13 Nov 2018 18:37

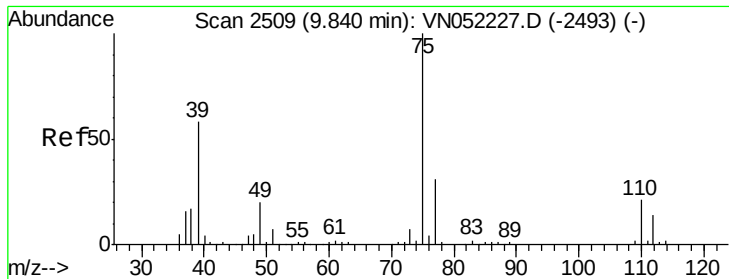
Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 43.3 27.4 41.0#



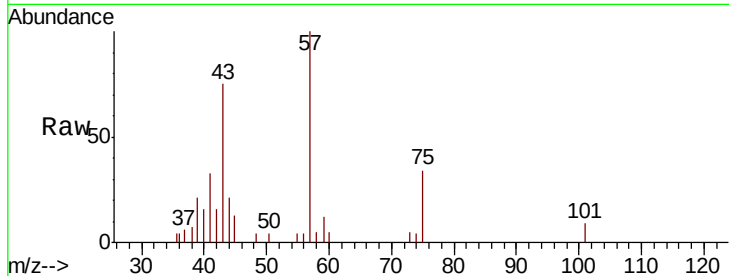


#54

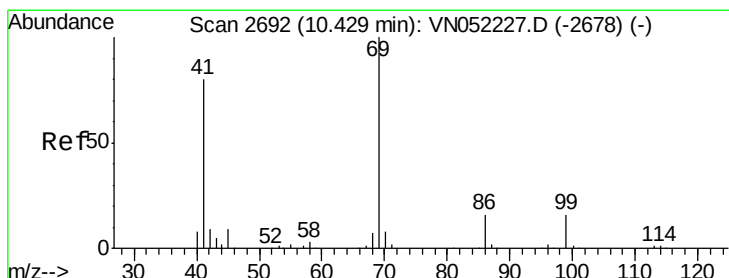
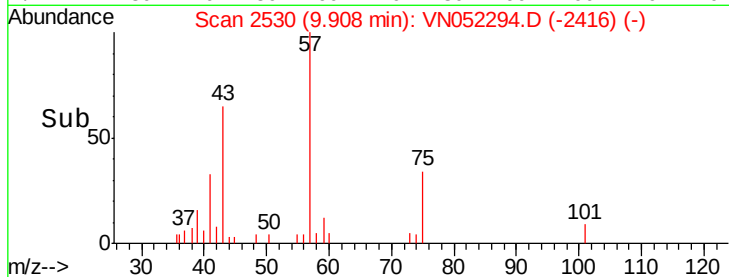
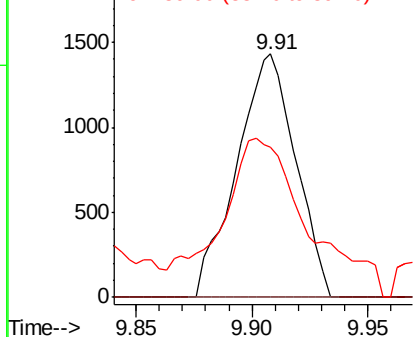
cis-1,3-Dichloropropene
 Concen: 0.434 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 2519
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 45.6 46.6 70.0#



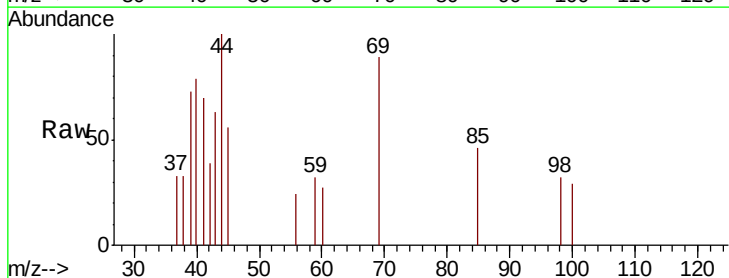
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



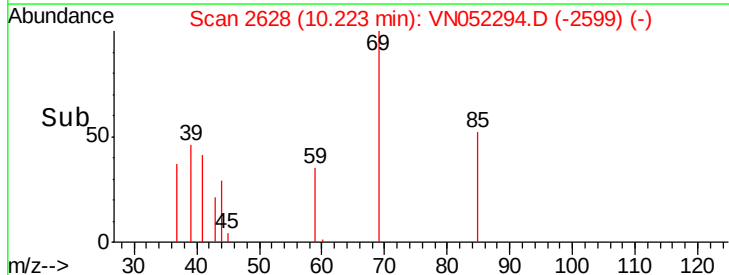
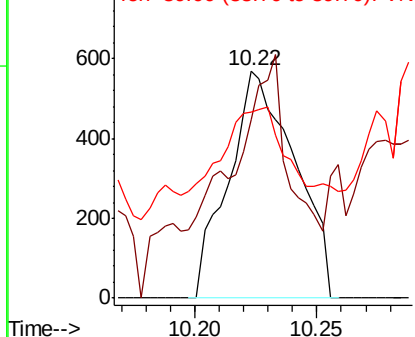
#56

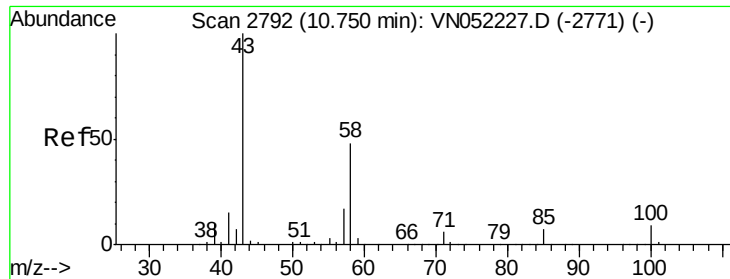
Ethyl methacrylate
 Concen: 0.243 ug/l
 RT: 10.22 min Scan# 2628
 Delta R.T. -0.21 min
 Lab File: VN052294.D
 Acq: 13 Nov 2018 18:37

Tgt Ion: 69 Resp: 1071
 Ion Ratio Lower Upper
 69 100
 41 90.0 64.0 96.0
 39 46.4 37.8 56.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

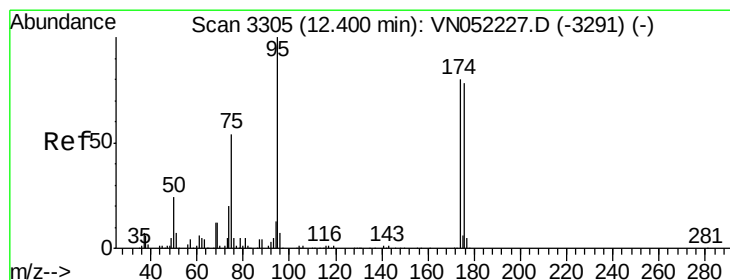
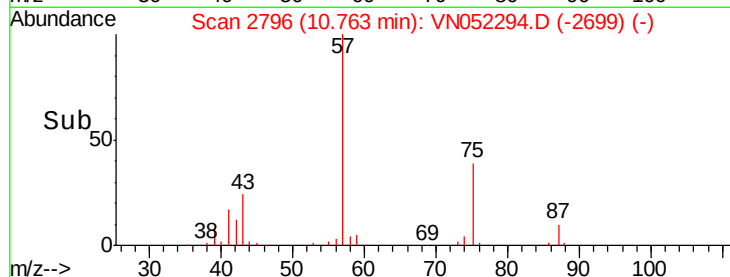
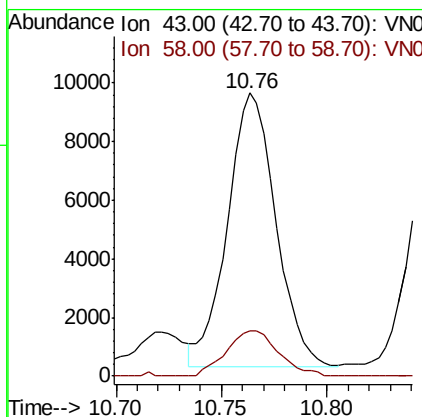
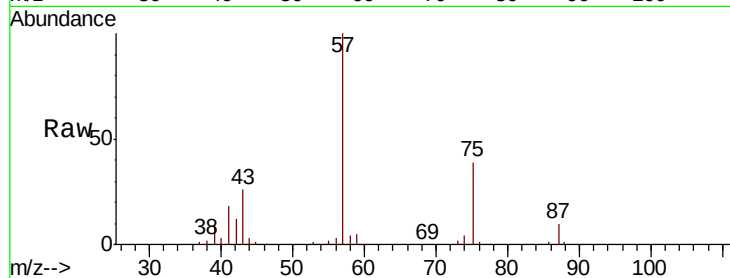




#59
2-Hexanone
Concen: 5.595 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

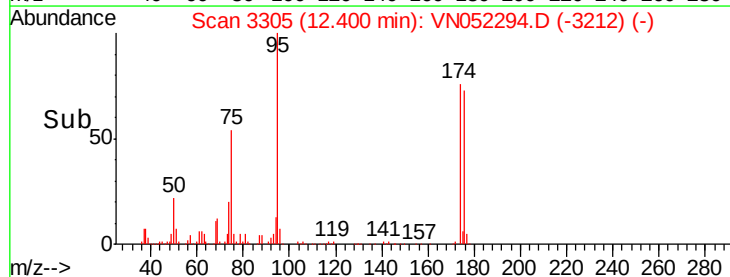
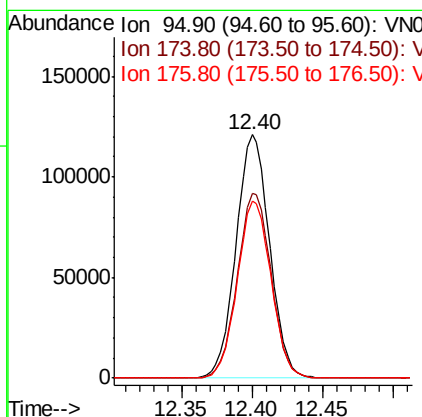
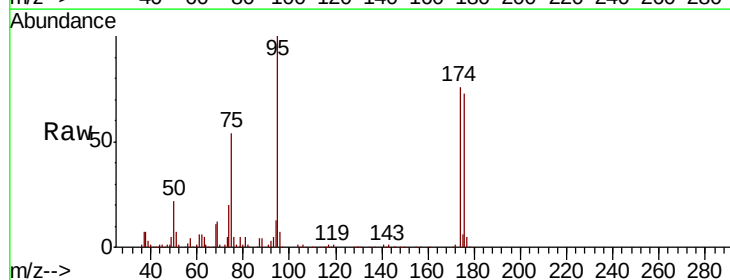
Instrument :
MSVOA_N
ClientSampled :

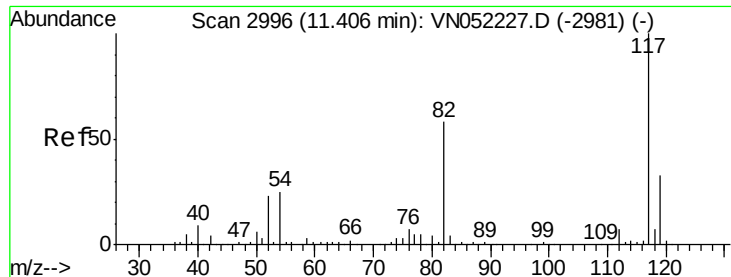
Tot Ion: 43 Resp: 14872
Ion Ratio Lower Upper
43 100
58 18.0 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052294.D
Acq: 13 Nov 2018 18:37

Tgt Ion: 95 Resp: 201880
Ion Ratio Lower Upper
95 100
174 76.5 0.0 159.4
176 73.4 0.0 157.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

ClientSampleId :

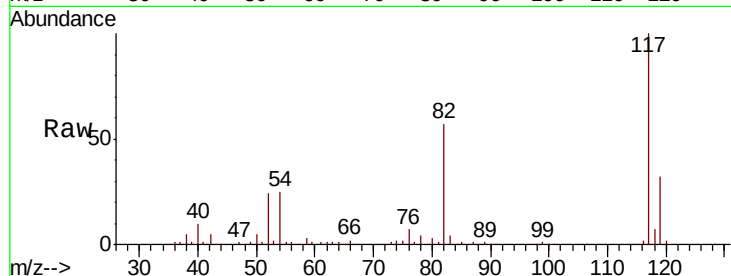
Tot Ion:117 Resp: 456276

Ion Ratio Lower Upper

117 100

82 57.1 46.2 69.2

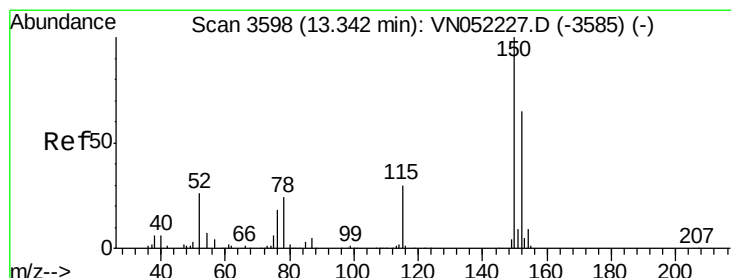
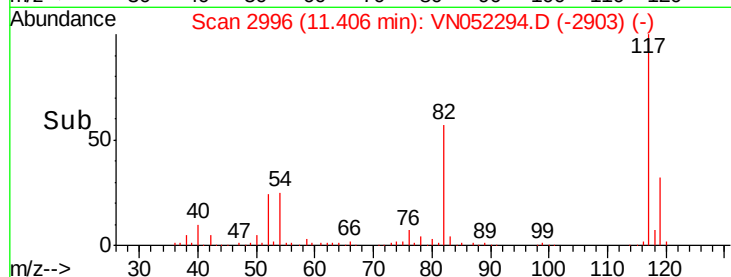
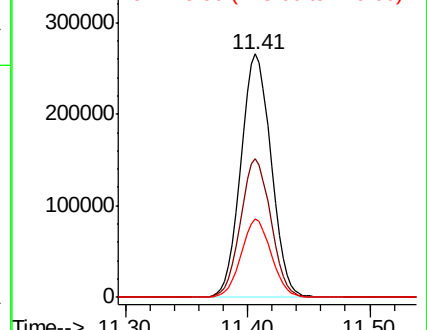
119 32.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN052294.D

Acq: 13 Nov 2018 18:37

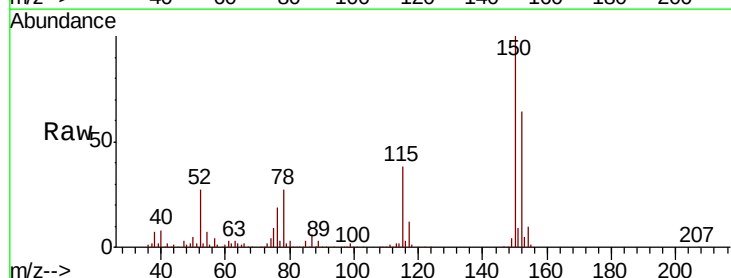
Tgt Ion:152 Resp: 166723

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.5

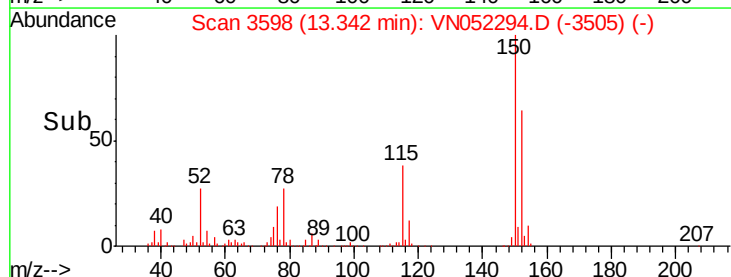
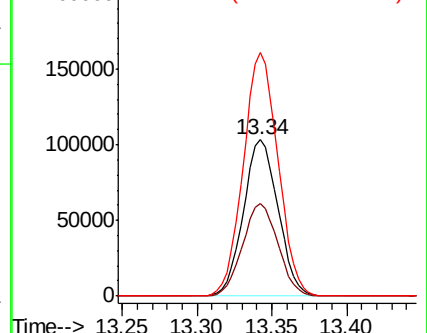
150 155.9 0.0 350.2

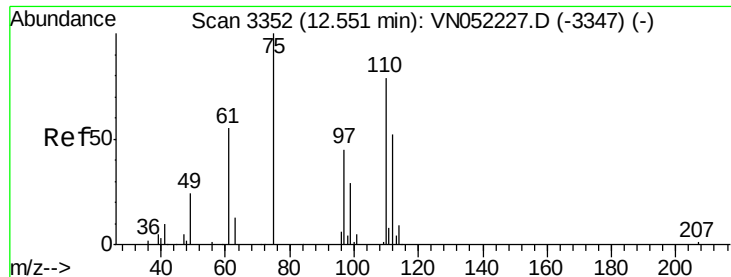


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.219 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

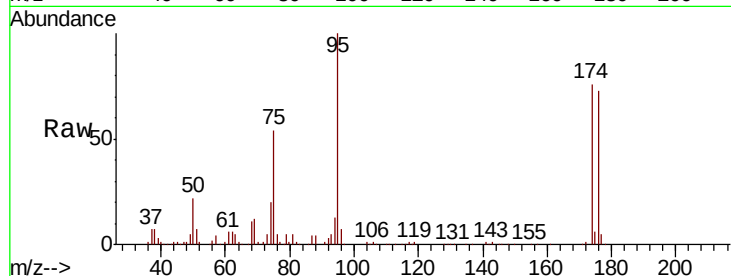
ClientSampled :

Tot Ion: 75 Resp: 109788

Ion Ratio Lower Upper

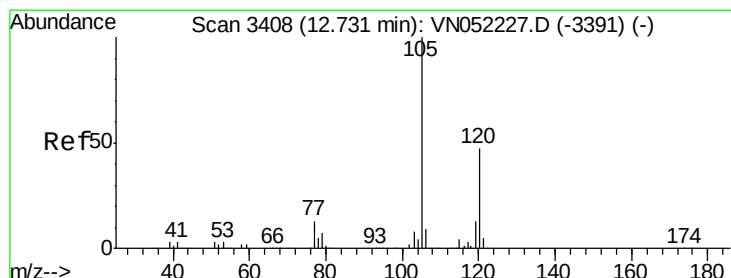
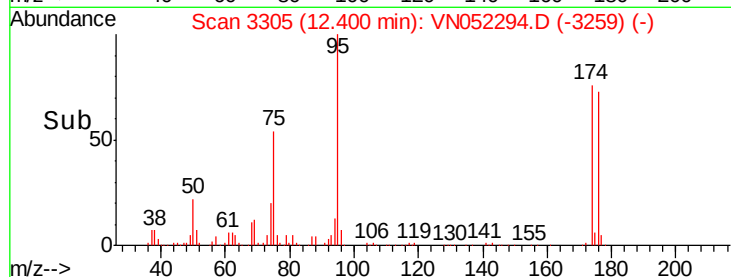
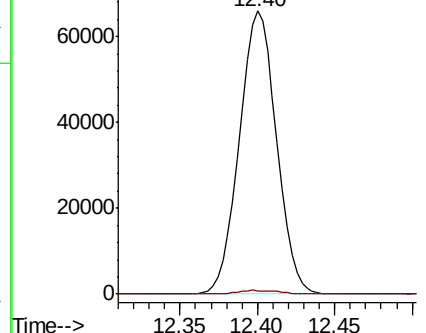
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.243 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052294.D

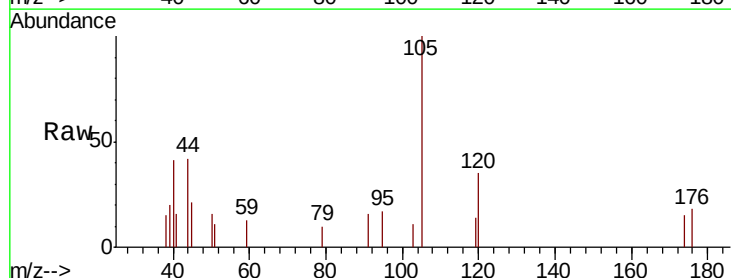
Acq: 13 Nov 2018 18:37

Tgt Ion: 105 Resp: 2631

Ion Ratio Lower Upper

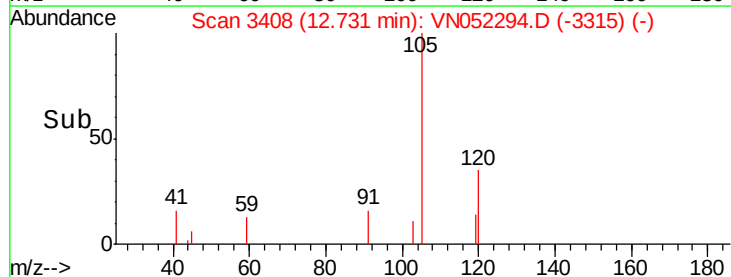
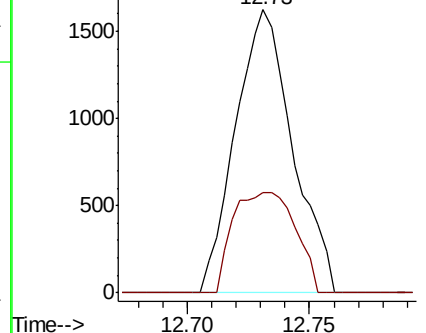
105 100

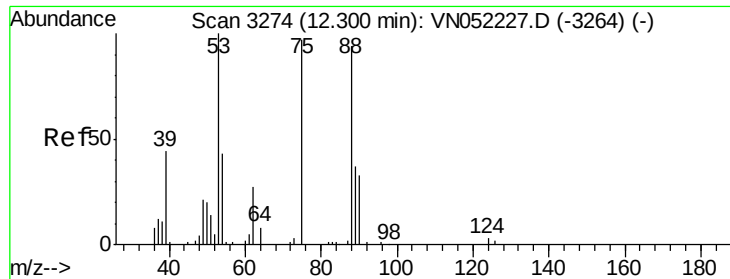
120 39.0 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 127.046 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052294.D

Acq: 13 Nov 2018 18:37

Instrument :

MSVOA_N

ClientSampleId :

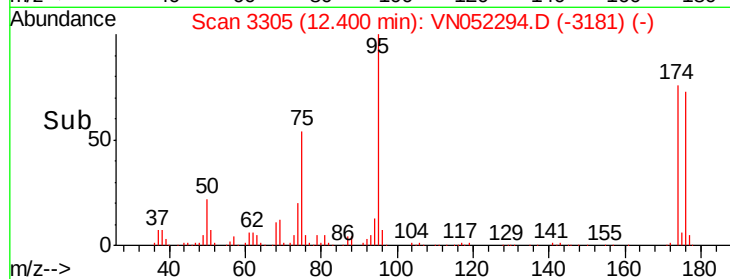
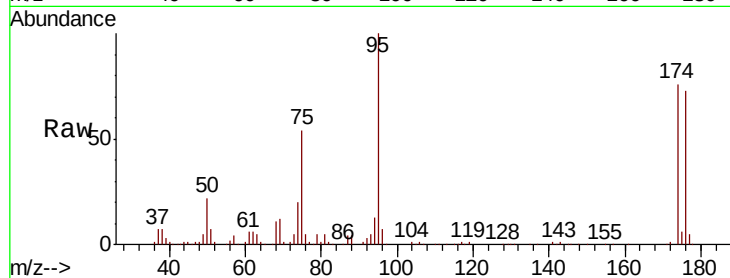
Tot Ion: 75 Resp: 109788

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

