

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052301.D
 Acq On : 13 Nov 2018 21:44
 Operator : MD\SY
 Sample : PB114744ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:12:35 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	301193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	516557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	433690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150190	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	210805	51.17	ug/l	0.00
Spiked Amount						
35) Dibromofluoromethane	7.59	113	161694	48.33	ug/l	0.00
Spiked Amount						
50) Toluene-d8	10.09	98	633283	48.36	ug/l	0.00
Spiked Amount						
62) 4-Bromofluorobenzene	12.40	95	185661	43.84	ug/l	0.00
Spiked Amount						

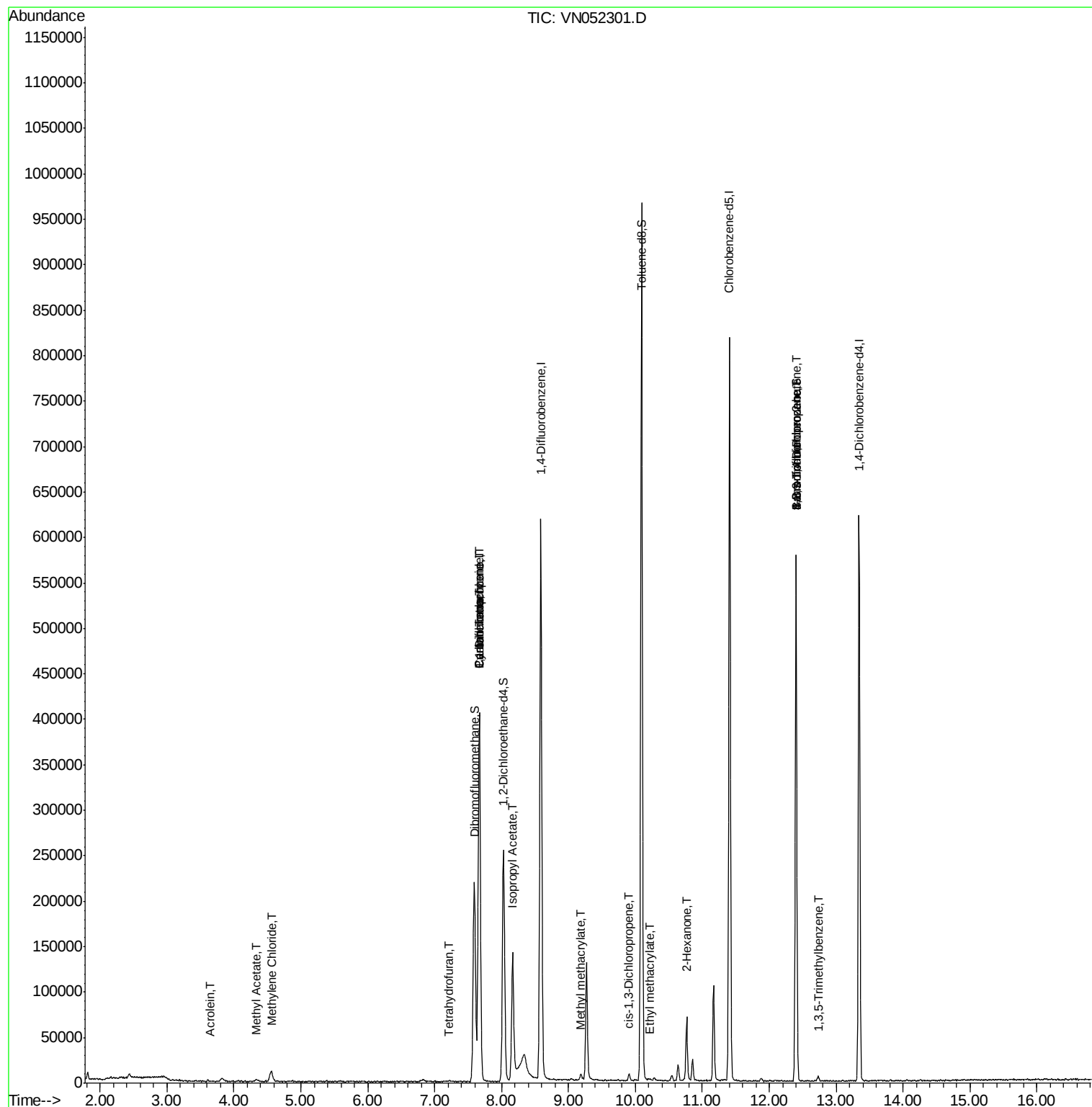
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.65	56	96	34.352	ug/l	89
16) Acetone	3.82	43	6999	Below Cal		98
18) Methyl Acetate	4.33	43	2274	0.661	ug/l #	88
20) Methylene Chloride	4.56	84	7619	2.029	ug/l #	84
29) Tetrahydrofuran	7.22	42	1120	0.979	ug/l #	45
31) Cyclohexane	7.67	56	9377	0.791	ug/l #	33
36) 1,1-Dichloropropene	7.67	75	27852	5.342	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32228	6.821	ug/l #	18
43) Isopropyl Acetate	8.17	43	176441	25.813	ug/l	96
48) Methyl methacrylate	9.18	41	4500	1.249	ug/l #	20
54) cis-1,3-Dichloropropene	9.91	75	1409	0.244	ug/l #	49
56) Ethyl methacrylate	10.22	69	1139	0.259	ug/l #	73
59) 2-Hexanone	10.76	43	10599	4.000	ug/l #	57
71) Bromoform	12.40	173	2059	1.109	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101606	38.237	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2363	0.242	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	101606	130.521	ug/l #	8

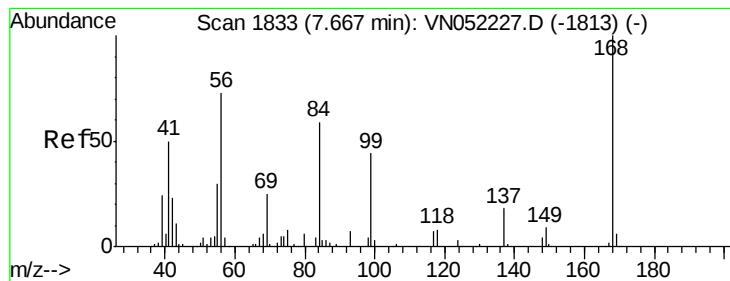
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052301.D

Acq: 13 Nov 2018 21:44

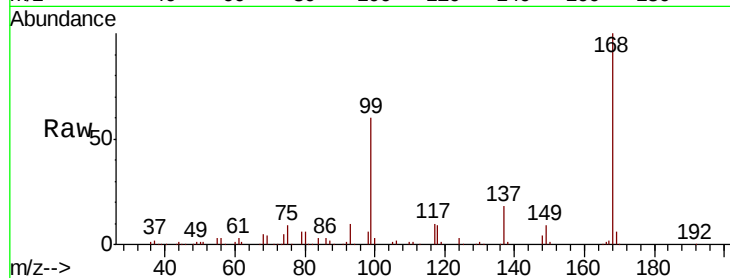
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 301193

Ion Ratio Lower Upper

168 100

99 60.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

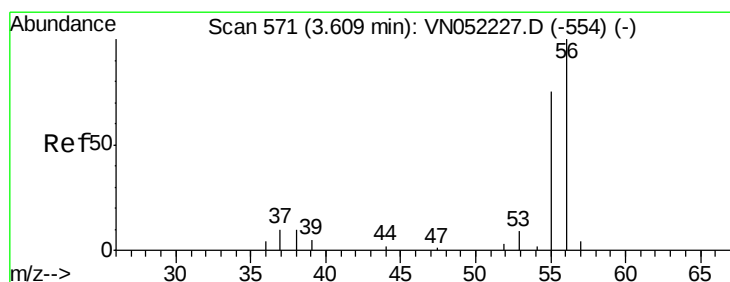
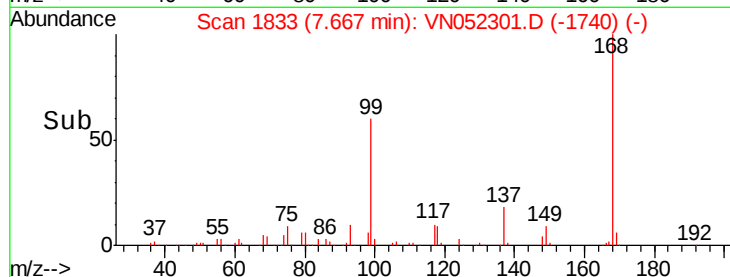
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 34.352 ug/l

RT: 3.65 min Scan# 583

Delta R.T. 0.04 min

Lab File: VN052301.D

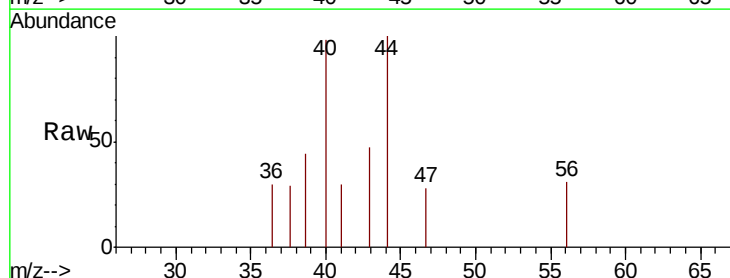
Acq: 13 Nov 2018 21:44

Tgt Ion: 56 Resp: 96

Ion Ratio Lower Upper

56 100

55 65.6 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.65

200

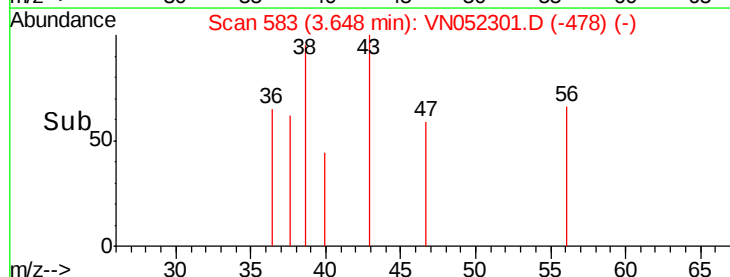
150

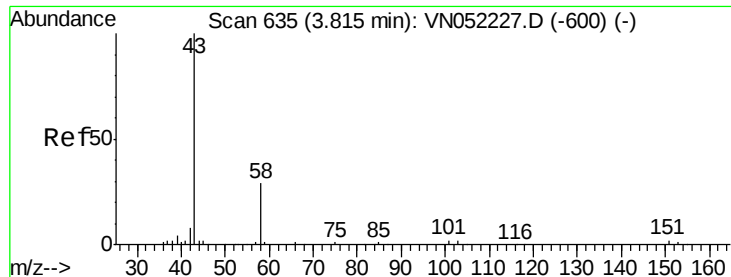
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

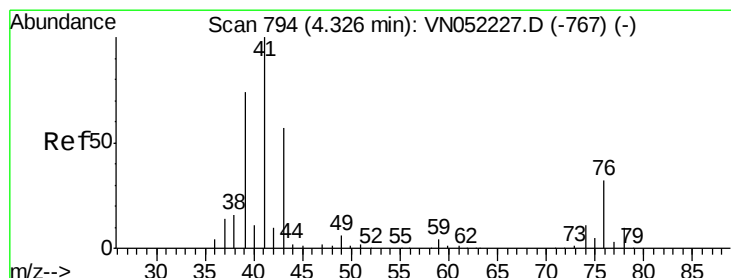
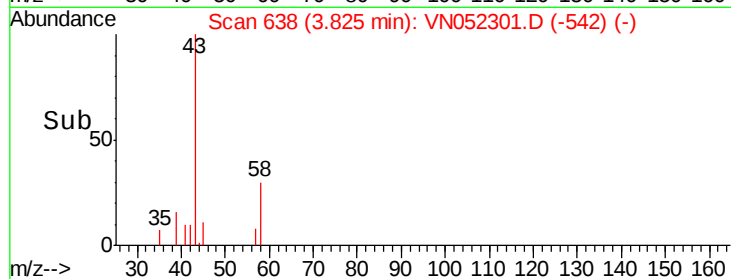
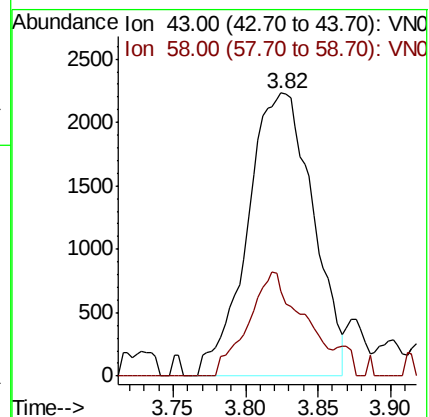
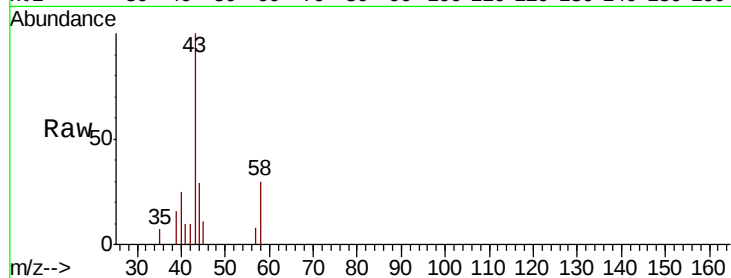
ClientSampleId :

Tot Ion: 43 Resp: 6999

Ion Ratio Lower Upper

43 100

58 30.1 23.0 34.6



#18

Methyl Acetate

Concen: 0.661 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052301.D

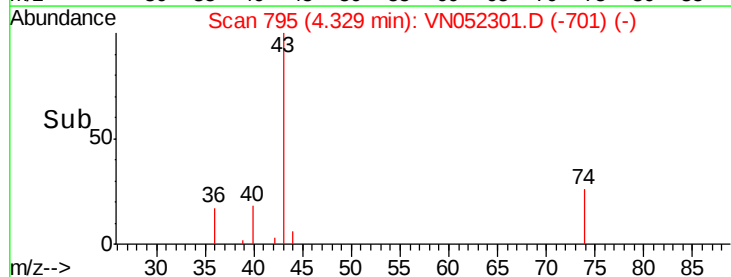
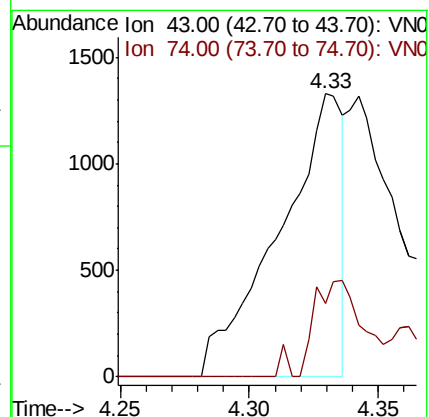
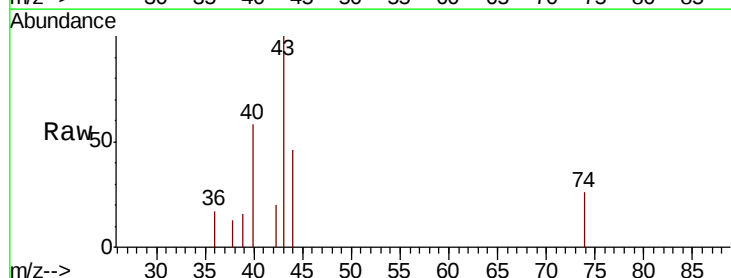
Acq: 13 Nov 2018 21:44

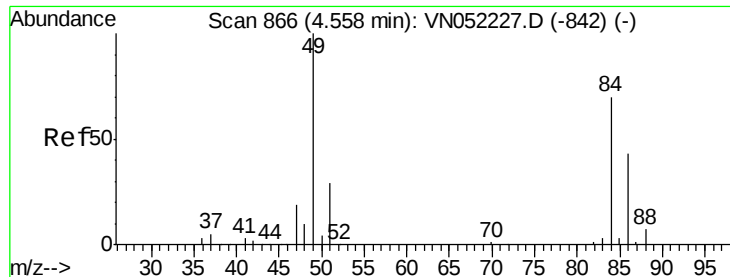
Tgt Ion: 43 Resp: 2274

Ion Ratio Lower Upper

43 100

74 25.6 16.2 24.2#





#20

Methvlene Chloride

Concen: 2.029 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 7619

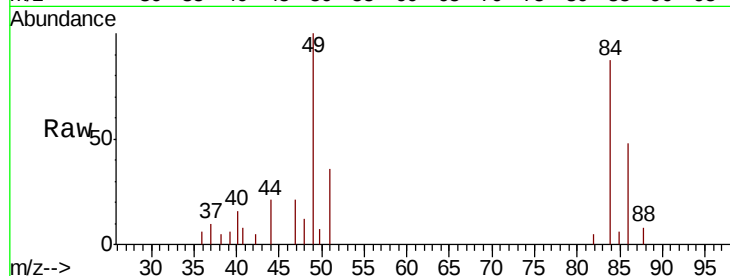
Ion Ratio Lower Upper

84 100

49 114.4 114.8 172.2#

51 41.1 33.1 49.7

86 55.3 49.7 74.5

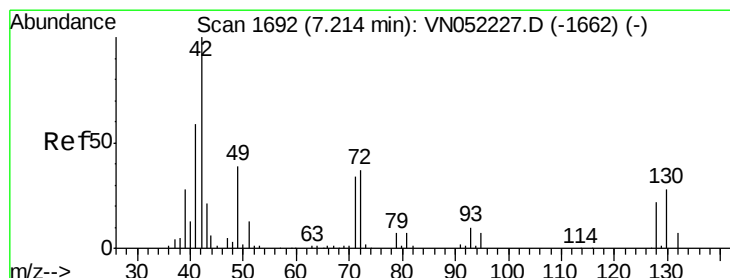
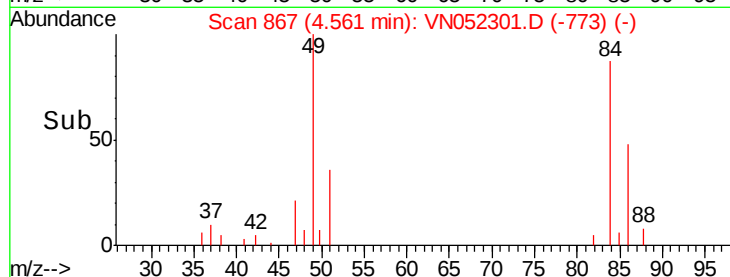
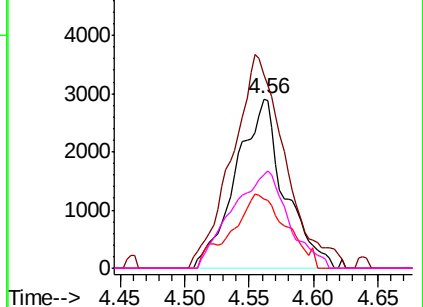


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#29

Tetrahydrofuran

Concen: 0.979 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

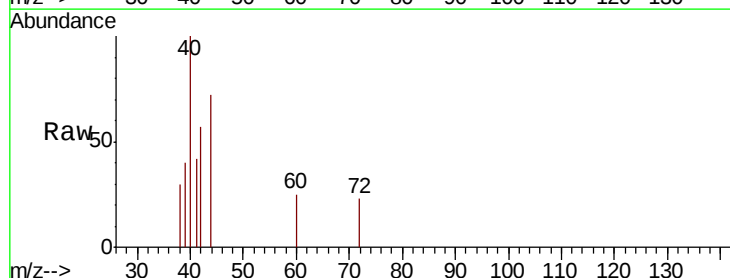
Tgt Ion: 42 Resp: 1120

Ion Ratio Lower Upper

42 100

72 5.4 28.6 43.0#

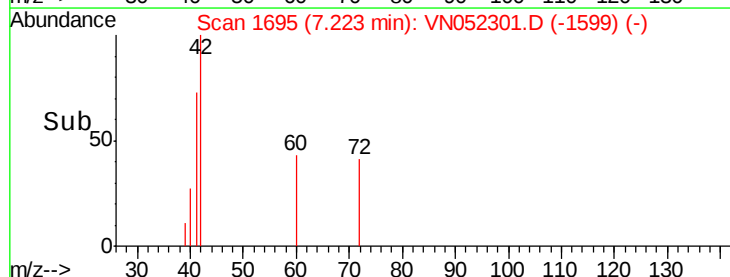
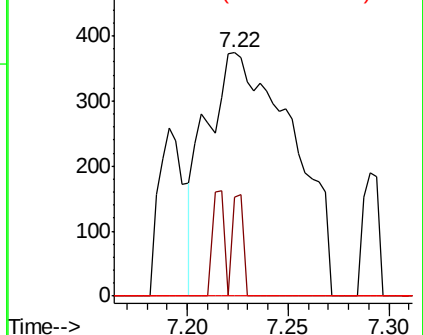
71 0.0 27.1 40.7#

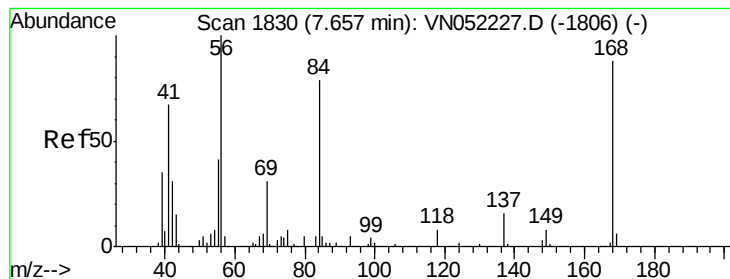


Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC





#31

Cyclohexane

Concen: 0.791 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

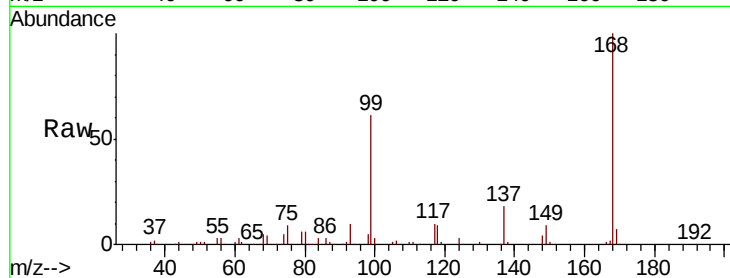
Tot Ion: 56 Resp: 9377

Ion Ratio Lower Upper

56 100

69 117.8 24.8 37.2#

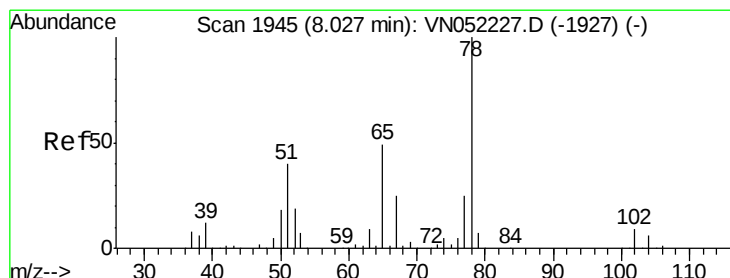
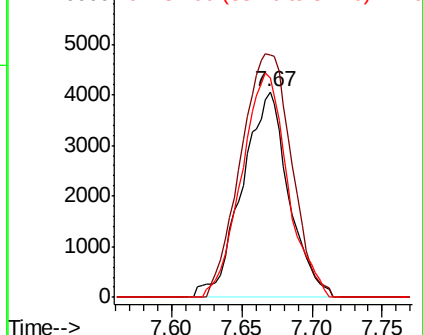
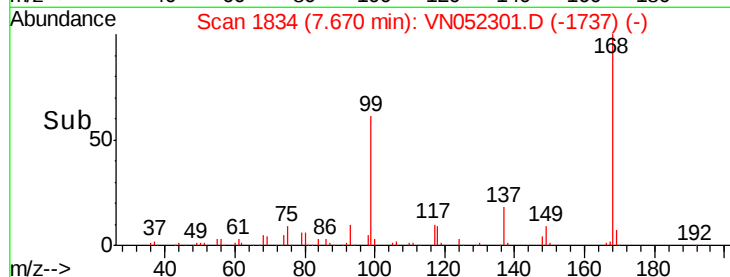
84 106.7 63.1 94.7#



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# 1945

Delta R.T. 0.00 min

Lab File: VN052301.D

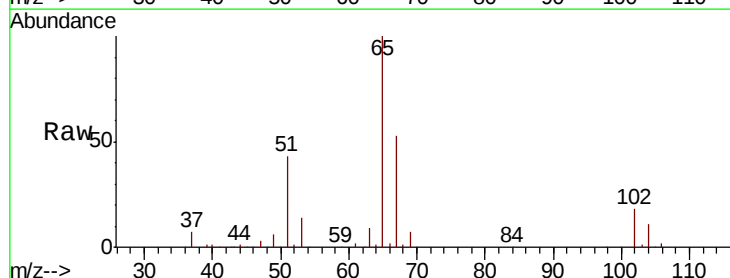
Acq: 13 Nov 2018 21:44

Tgt Ion: 65 Resp: 210805

Ion Ratio Lower Upper

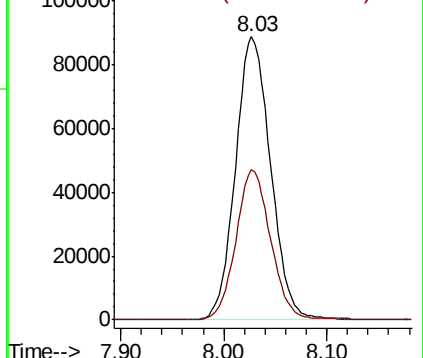
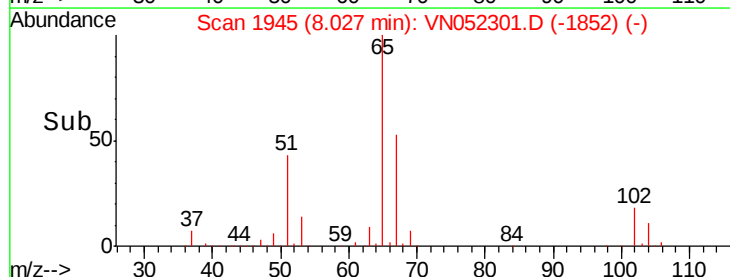
65 100

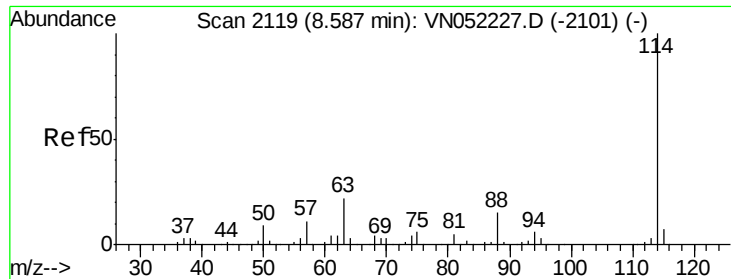
67 52.4 0.0 106.6



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

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

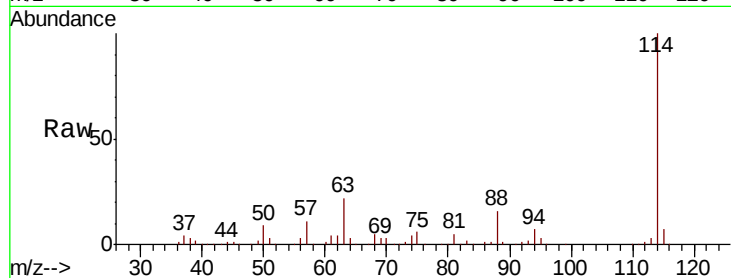




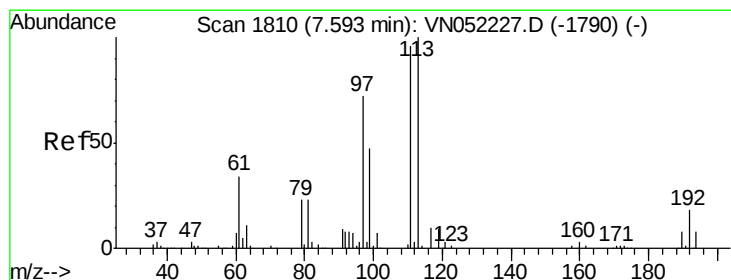
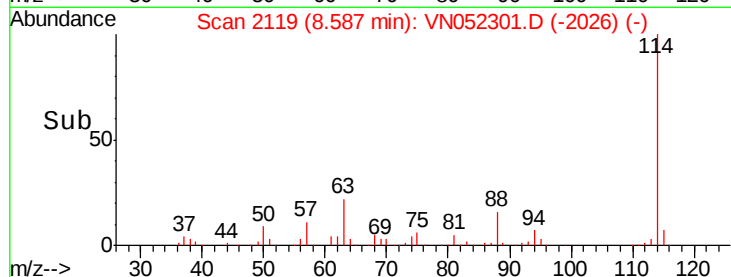
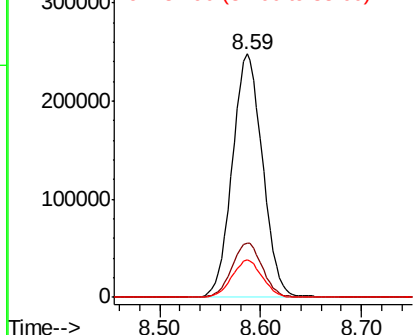
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052301.D
 Acq: 13 Nov 2018 21:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.4
88	15.6	0.0	30.2

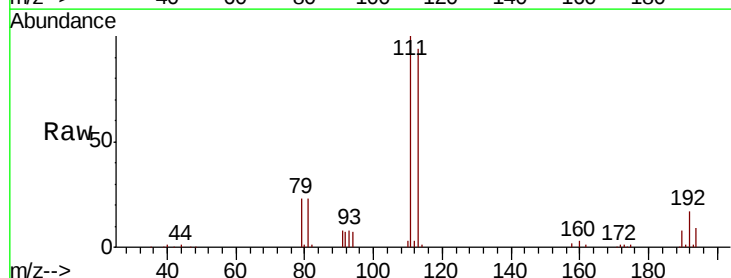


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

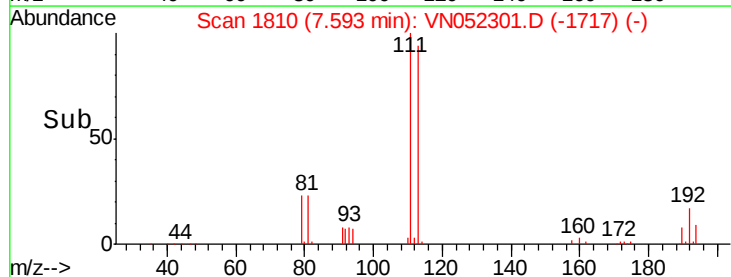
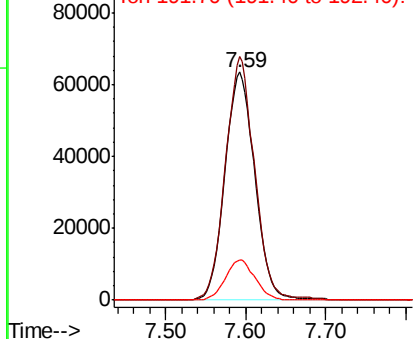


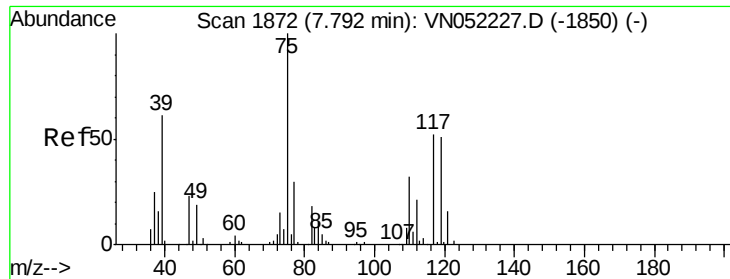
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052301.D
 Acq: 13 Nov 2018 21:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	80.2	120.4
192	17.5	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: 5.342 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

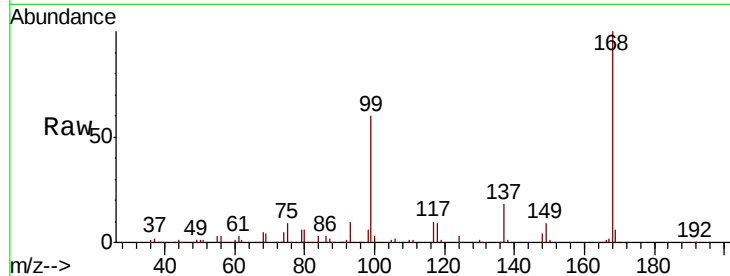
Tot Ion: 75 Resp: 27852

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.4#

77 0.0 23.9 35.9#

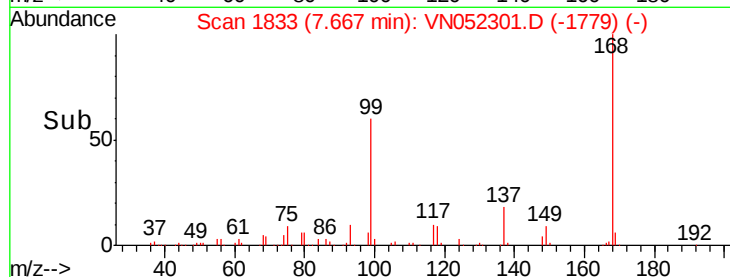


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)

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

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

Time-->

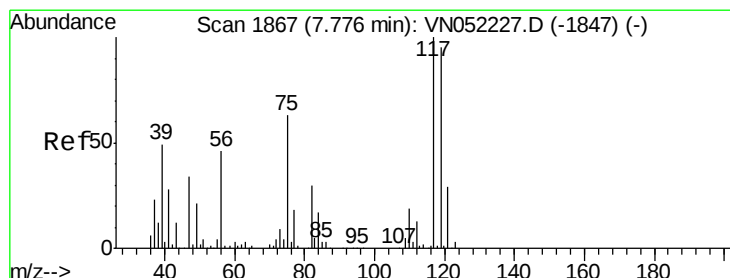


Abundance Ion 74.90 (74.60 to 75.60): VN052301.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052301.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052301.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.821 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

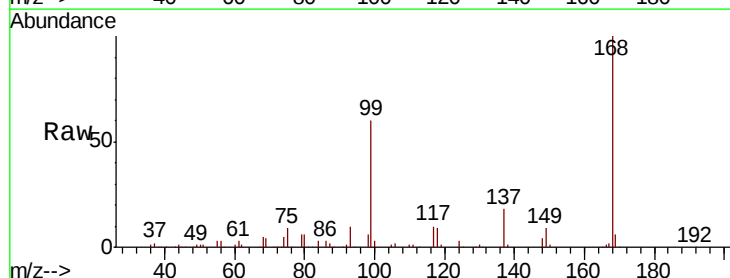
Tgt Ion: 117 Resp: 32228

Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.8#

121 0.0 23.4 35.2#

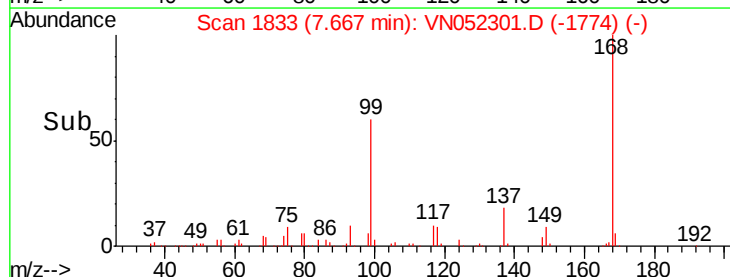


Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)

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

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

Time-->

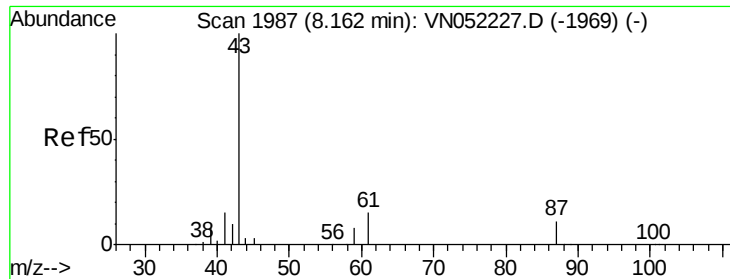


Abundance Ion 116.80 (116.50 to 117.50): VN052301.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052301.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052301.D (-1774) (-)

Time-->



#43

Isopropyl Acetate

Concen: 25.813 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

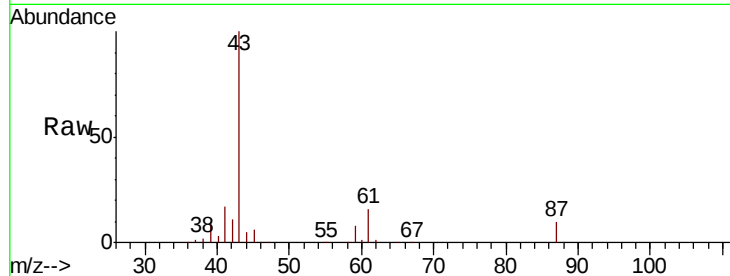
Tot Ion: 43 Resp: 176441

Ion Ratio Lower Upper

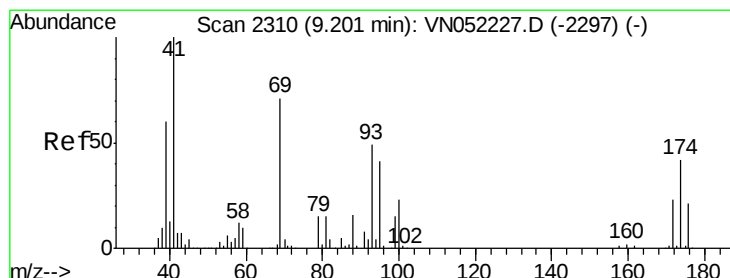
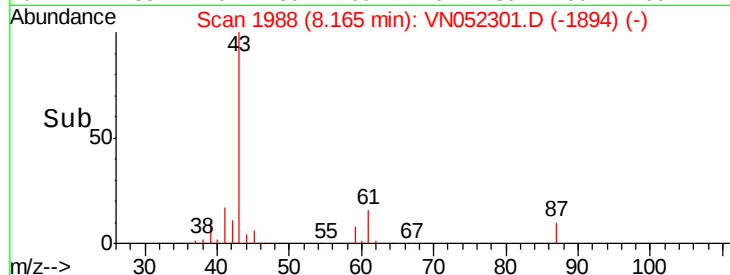
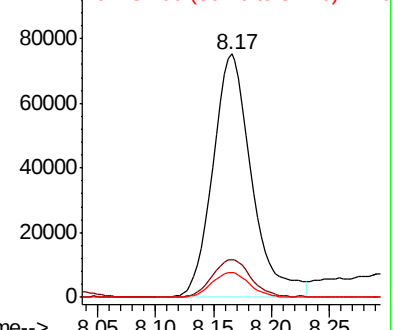
43 100

61 15.4 14.2 21.4

87 10.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.249 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

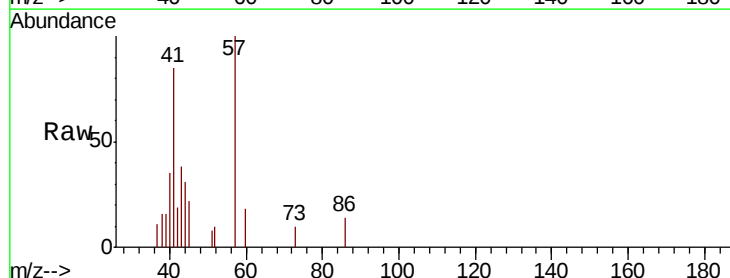
Tgt Ion: 41 Resp: 4500

Ion Ratio Lower Upper

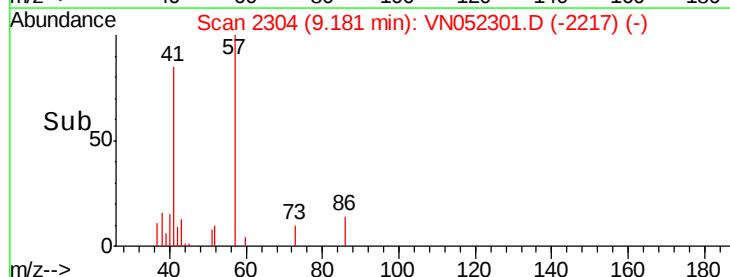
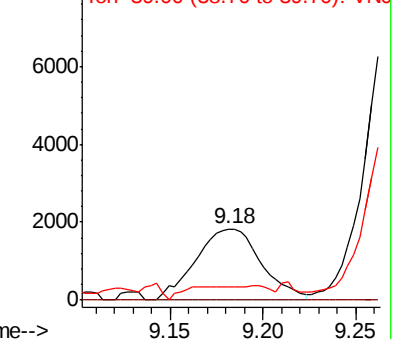
41 100

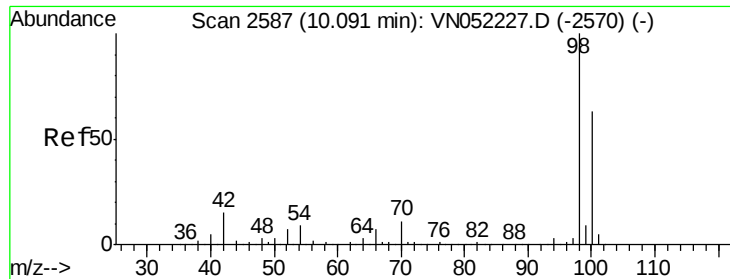
69 0.0 58.8 88.2#

39 7.0 50.7 76.1#



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

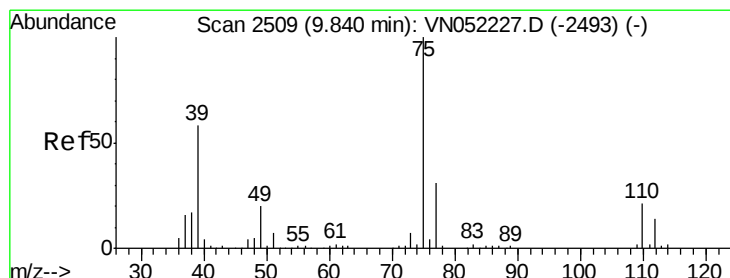
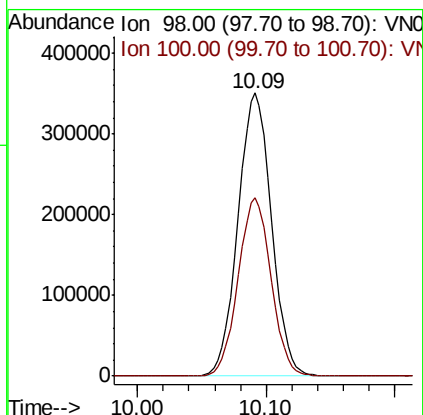
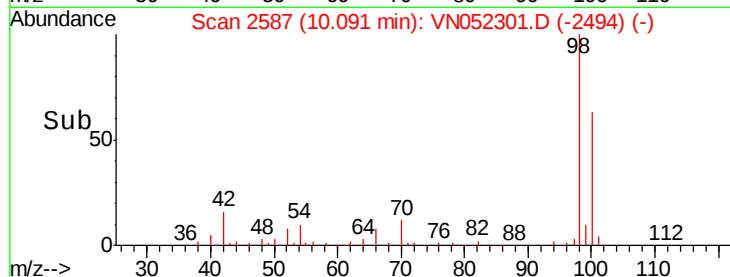
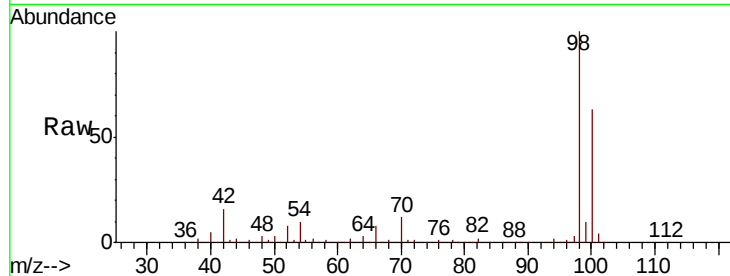
ClientSampled :

Tot Ion: 98 Resp: 633283

Ion Ratio Lower Upper

98 100

100 62.2 50.2 75.2



#54

cis-1,3-Dichloropropene

Concen: 0.244 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

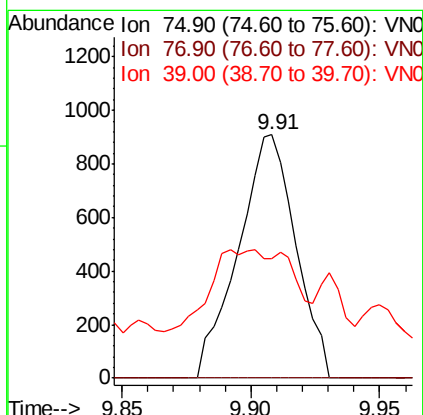
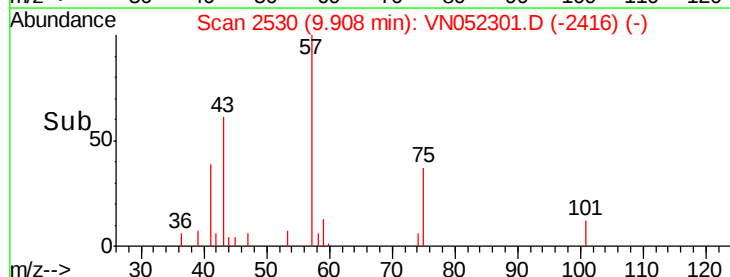
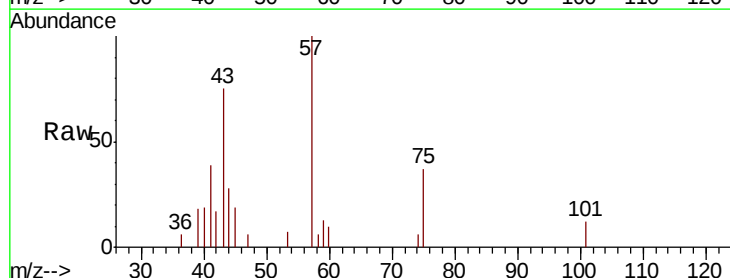
Tgt Ion: 75 Resp: 1409

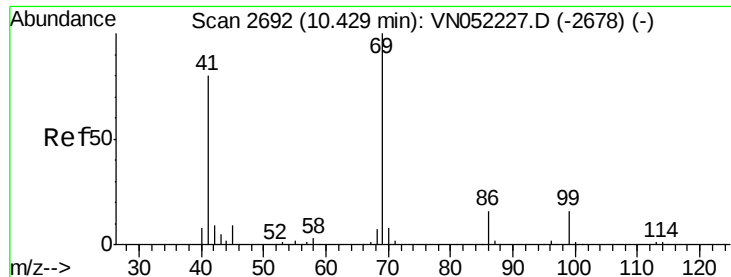
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 23.2 46.6 70.0#





#56

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 10.22 min Scan# 2626

Delta R.T. -0.21 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampled :

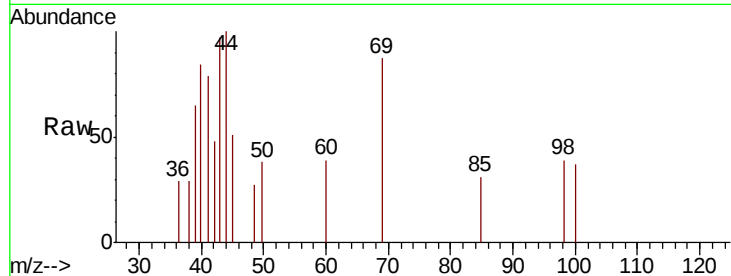
Tot Ion: 69 Resp: 1139

Ion Ratio Lower Upper

69 100

41 91.7 64.0 96.0

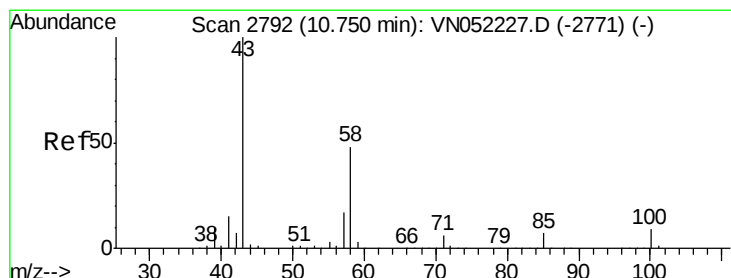
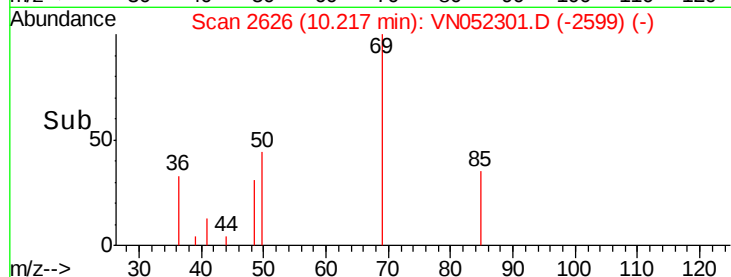
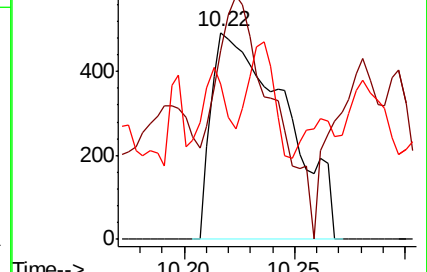
39 14.0 37.8 56.8#



Abundance Ion 69.00 (68.70 to 69.70): VN052227.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN052227.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2678) (-)



#59

2-Hexanone

Concen: 4.000 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052301.D

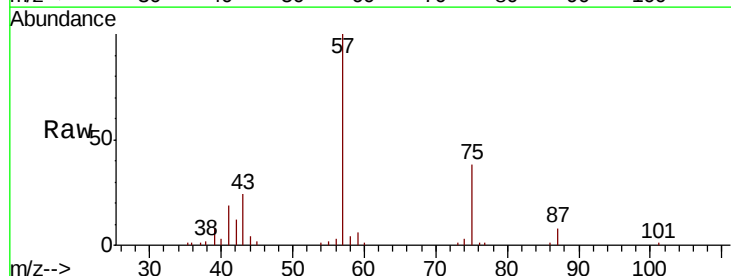
Acq: 13 Nov 2018 21:44

Tgt Ion: 43 Resp: 10599

Ion Ratio Lower Upper

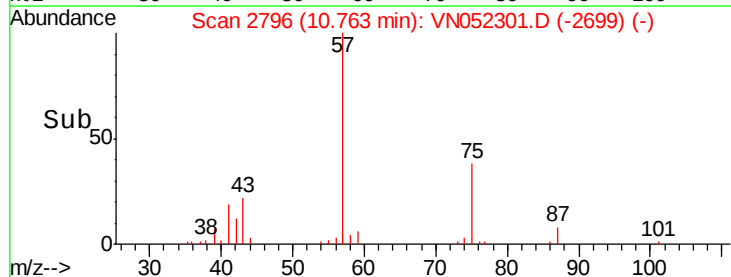
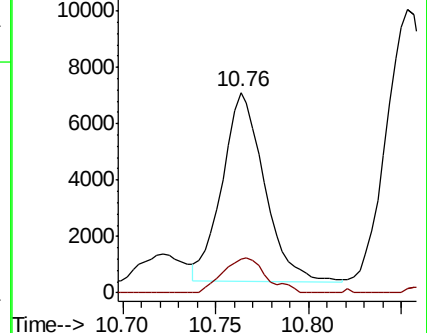
43 100

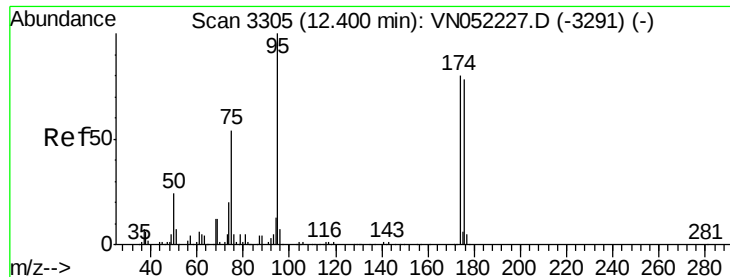
58 19.1 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-2771) (-)

Ion 58.00 (57.70 to 58.70): VN052227.D (-2771) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

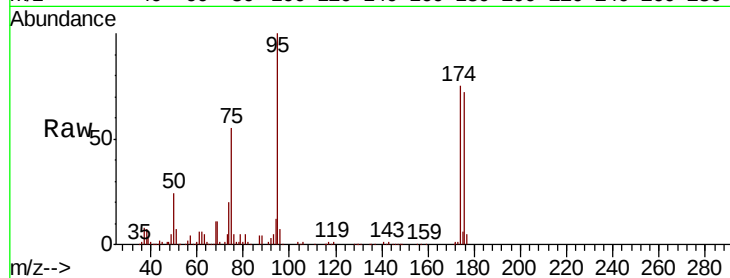
Tot Ion: 95 Resp: 185661

Ion Ratio Lower Upper

95 100

174 76.2 0.0 159.4

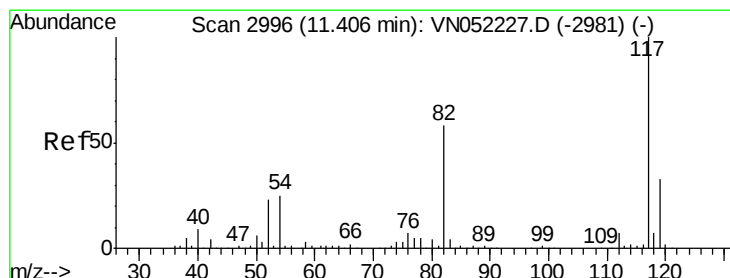
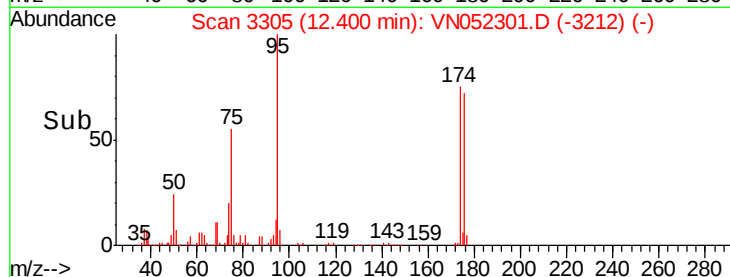
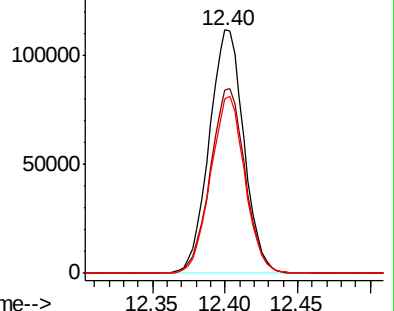
176 72.0 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052301.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052301.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052301.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

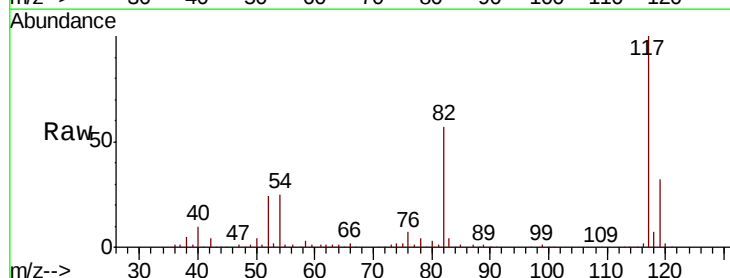
Tgt Ion: 117 Resp: 433690

Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.2

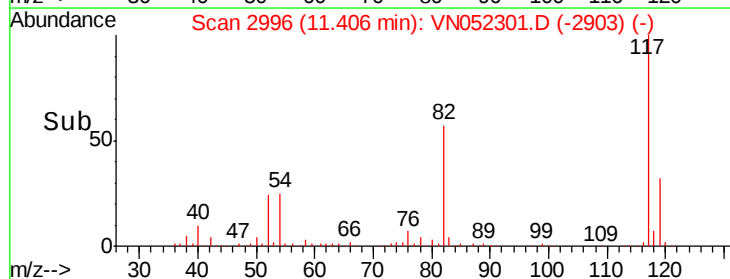
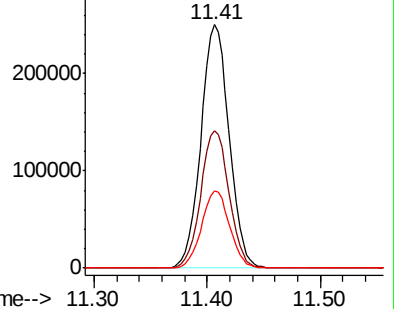
119 31.6 26.2 39.4

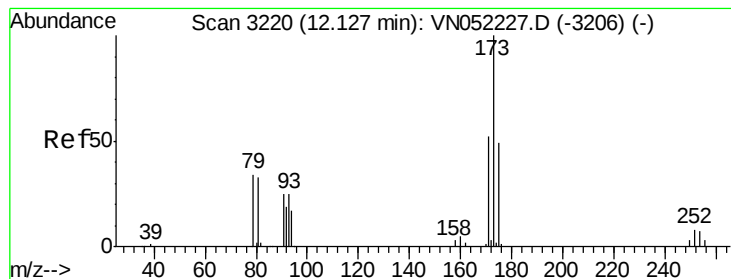


Abundance Ion 116.90 (116.60 to 117.60): VN052301.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052301.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052301.D (-2903) (-)





#71

Bromoform

Concen: 1.109 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampled :

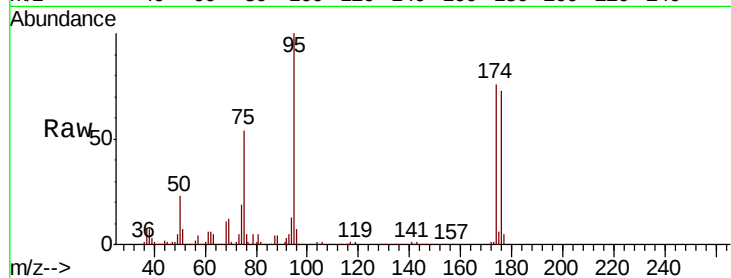
Tot Ion:173 Resp: 2059

Ion Ratio Lower Upper

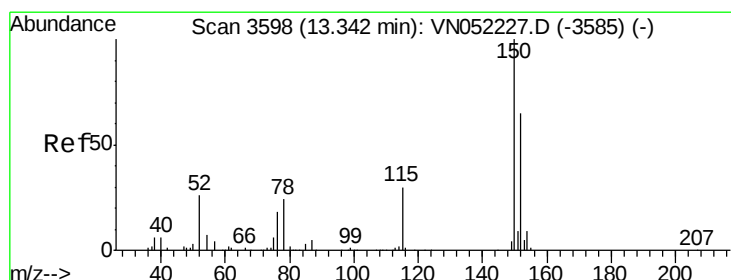
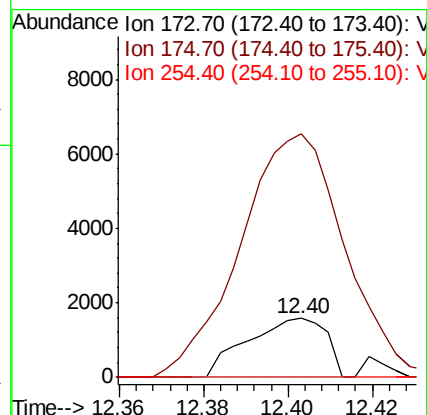
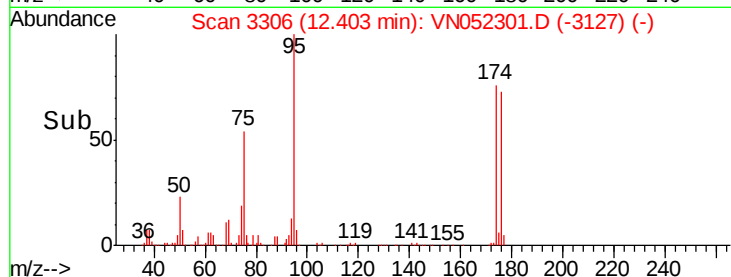
173 100

175 481.3 24.5 73.5#

254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

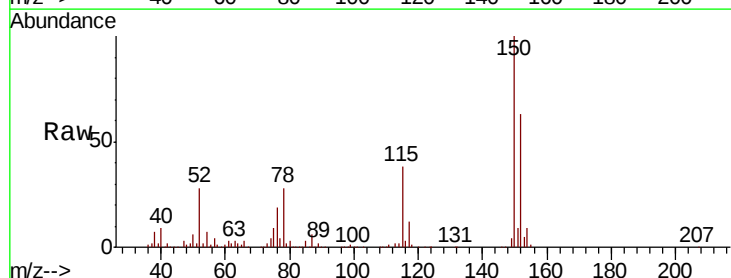
Tgt Ion:152 Resp: 150190

Ion Ratio Lower Upper

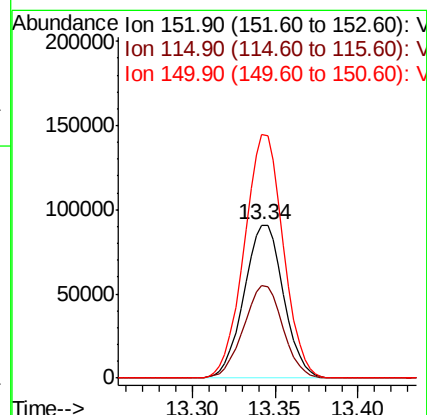
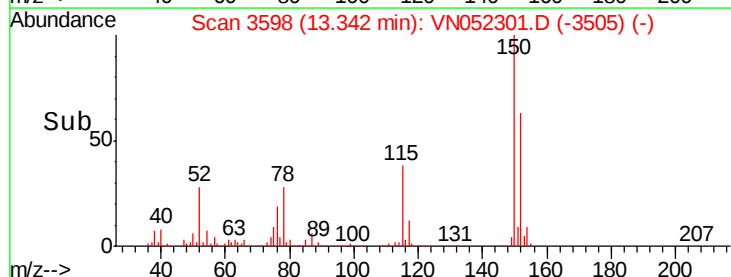
152 100

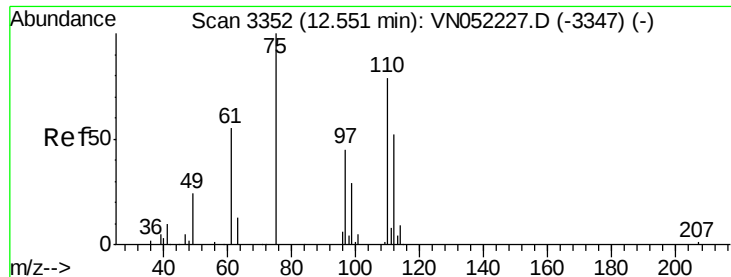
115 60.2 29.8 89.5

150 157.3 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

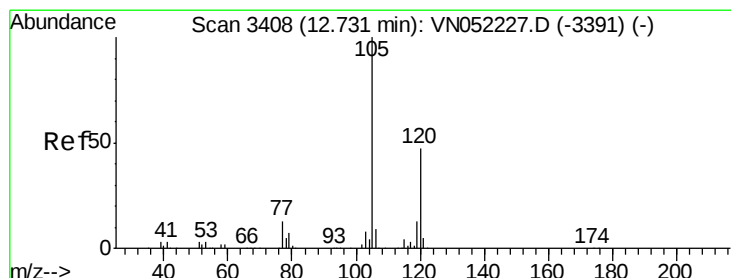
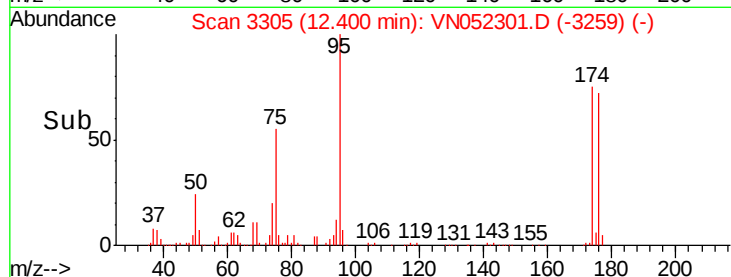
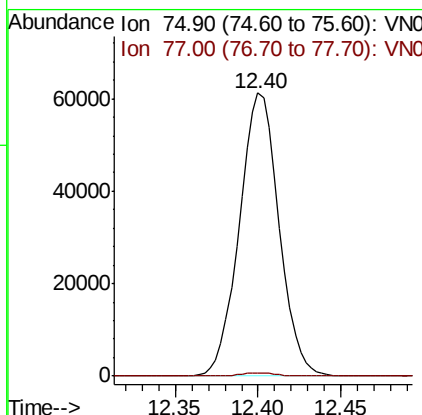
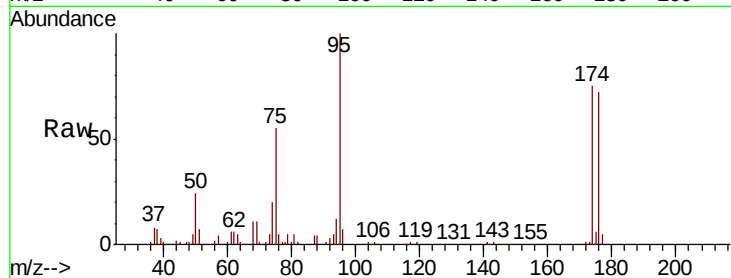




#76
 1,2,3-Trichloropropane
 Concen: 38.237 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052301.D
 Acq: 13 Nov 2018 21:44

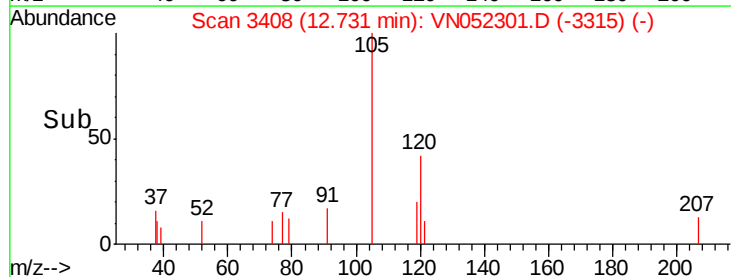
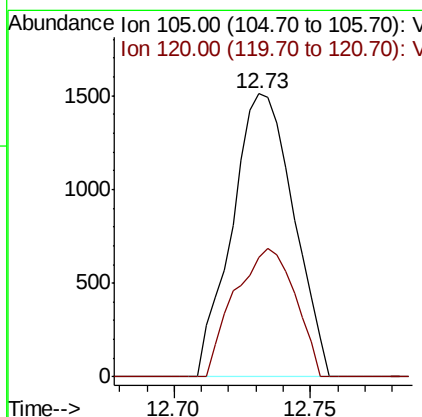
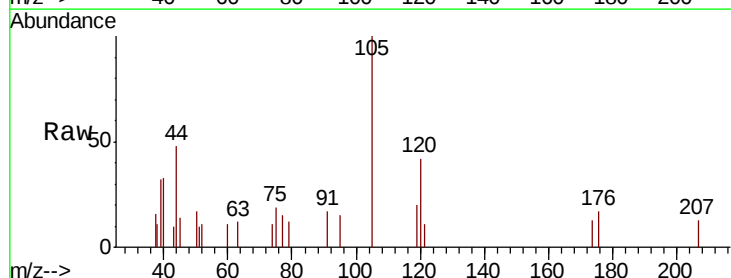
Instrument :
 MSVOA_N
 ClientSampleId :

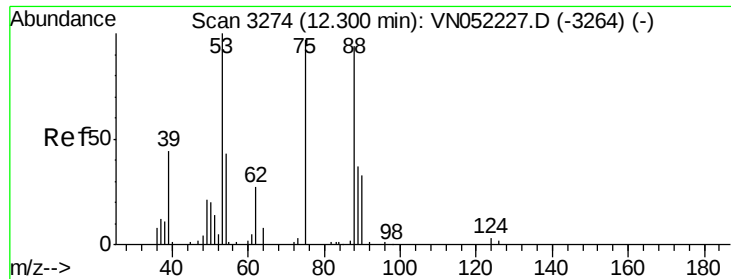
Tot Ion: 75 Resp: 101606
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.242 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052301.D
 Acq: 13 Nov 2018 21:44

Tgt Ion: 105 Resp: 2363
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 130.521 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052301.D

Acq: 13 Nov 2018 21:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 101606

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#

