

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052300.D
 Acq On : 13 Nov 2018 21:17
 Operator : MD\SY
 Sample : PB114744ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:12:20 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	322789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	541006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	448925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219881	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	166901	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.09	98	673265	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	188731	42.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.10%	

Target Compounds

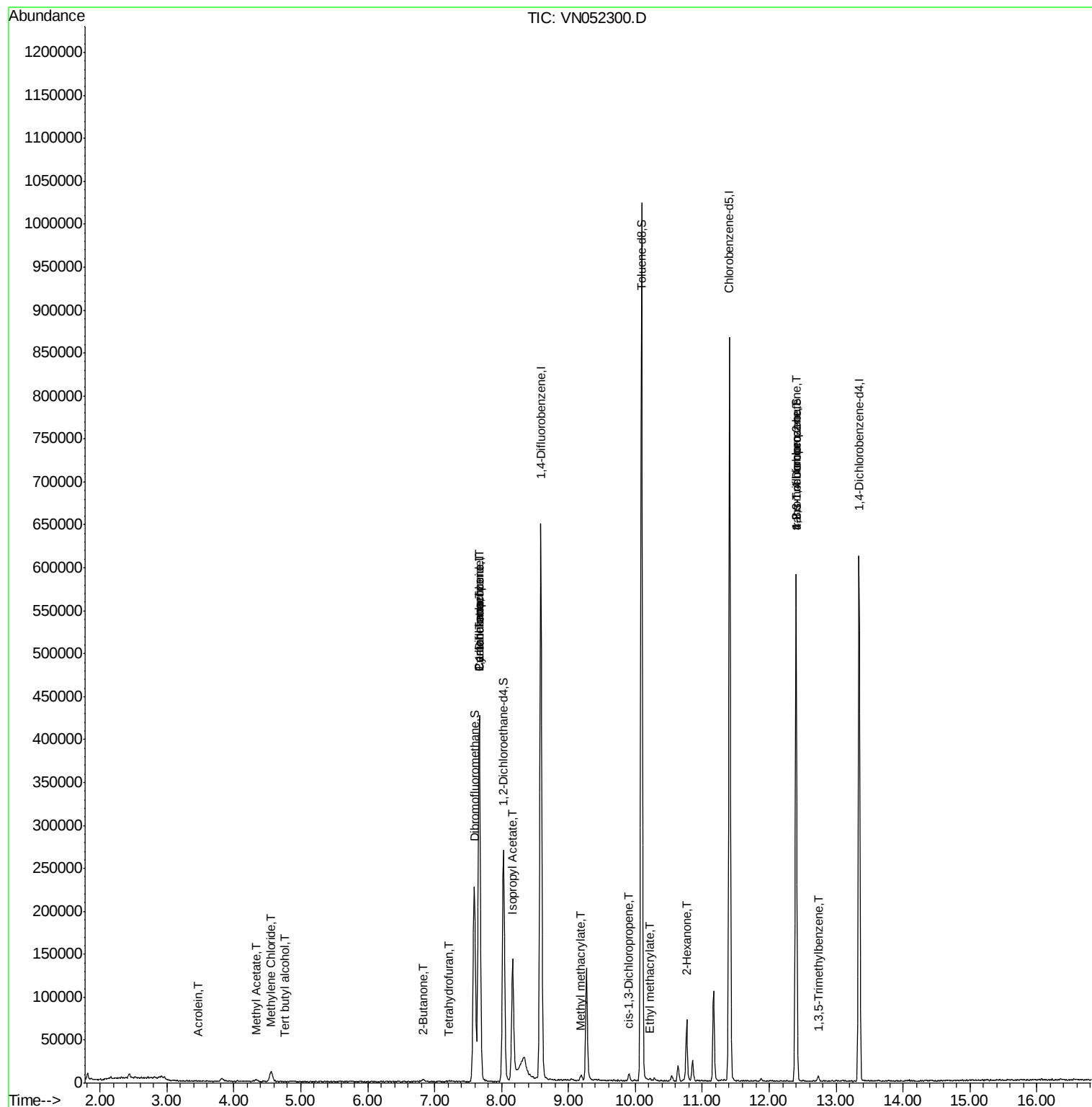
					Qvalue
11) Tert butyl alcohol	4.77	59	59	0.261 ug/l #	71
13) Acrolein	3.45	56	61	34.249 ug/l #	12
16) Acetone	3.82	43	5509	Below Cal	96
18) Methyl Acetate	4.34	43	3494	0.947 ug/l #	88
20) Methylene Chloride	4.56	84	7771	1.931 ug/l	95
25) 2-Butanone	6.84	43	380	0.202 ug/l #	52
29) Tetrahydrofuran	7.21	42	613	0.500 ug/l #	40
31) Cyclohexane	7.67	56	9382	0.693 ug/l #	26
36) 1,1-Dichloropropene	7.67	75	29640	5.428 ug/l #	51
38) Carbon Tetrachloride	7.67	117	33107	6.690 ug/l #	16
43) Isopropyl Acetate	8.17	43	176201	24.613 ug/l	96
48) Methyl methacrylate	9.18	41	4146	1.099 ug/l #	23
54) cis-1,3-Dichloropropene	9.90	75	1324	0.219 ug/l #	58
56) Ethyl methacrylate	10.23	69	1301	0.282 ug/l #	71
59) 2-Hexanone	10.76	43	10752	3.874 ug/l #	61
76) 1,2,3-Trichloropropane	12.40	75	103671	39.690 ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2354	0.245 ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	103671	135.478 ug/l #	8

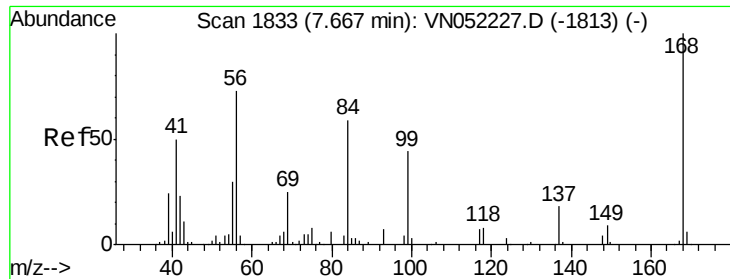
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1834

Delta R.T. 0.00 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

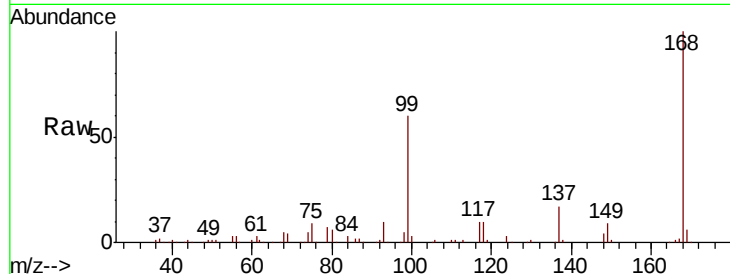
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 322789

Ion Ratio Lower Upper

168 100

99 59.8 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

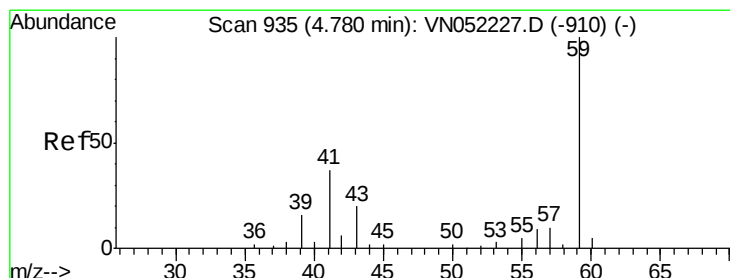
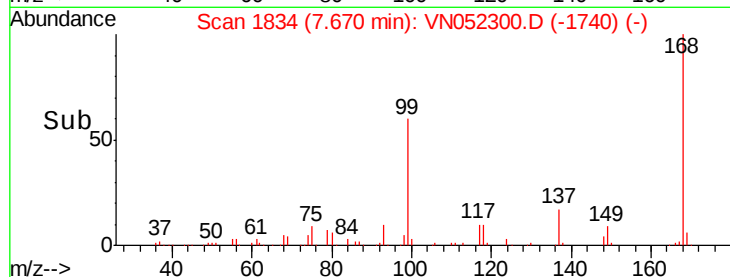
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.261 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052300.D

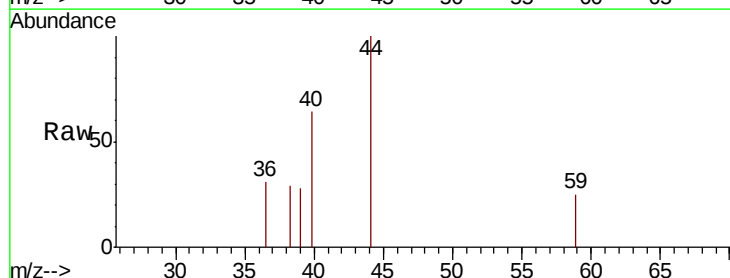
Acq: 13 Nov 2018 21:17

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

150

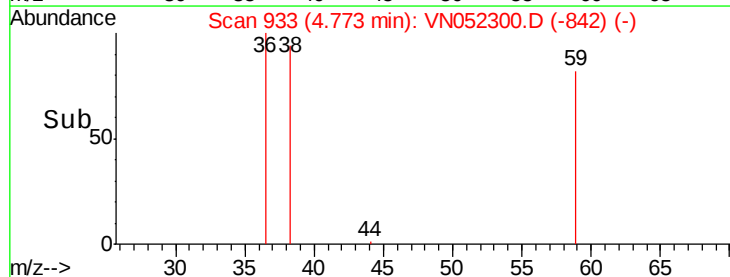
100

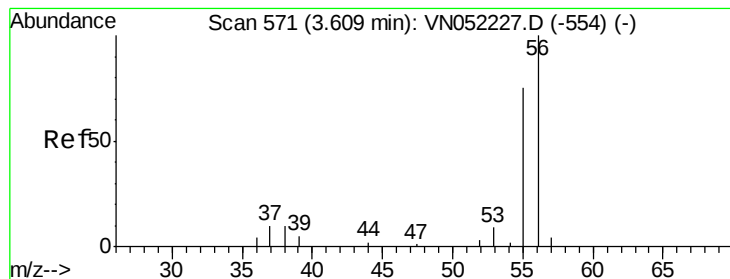
50

0

Time-->

4.76 4.77 4.78





#13

Acrolein

Concen: 34.249 ug/l

RT: 3.45 min Scan# 522

Delta R.T. -0.16 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

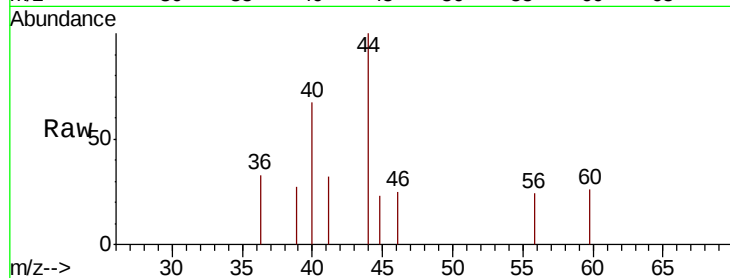
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.45

150

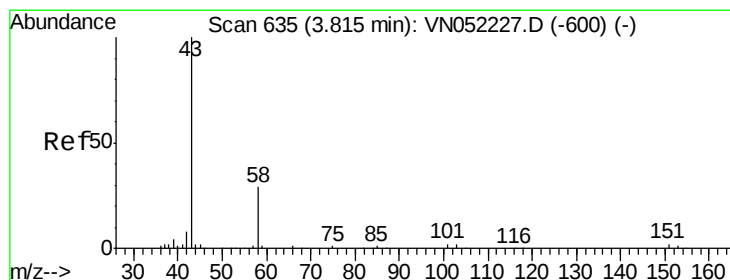
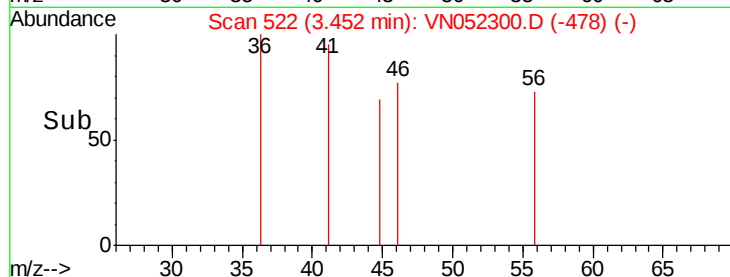
100

50

0

Time-->

3.44 3.45 3.46



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052300.D

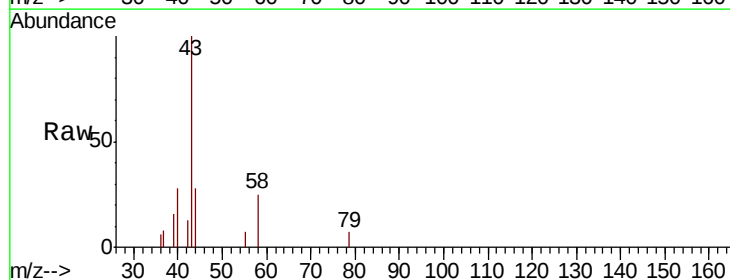
Acq: 13 Nov 2018 21:17

Tgt Ion: 43 Resp: 5509

Ion Ratio Lower Upper

43 100

58 26.6 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

2500

2000

1500

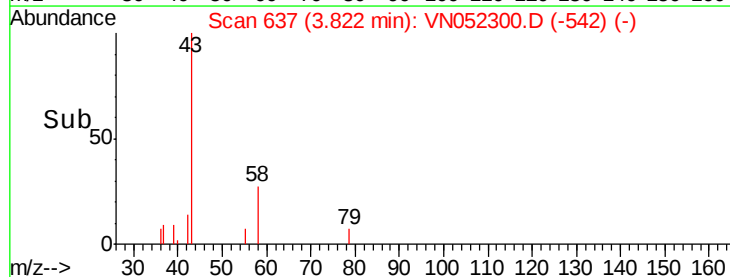
1000

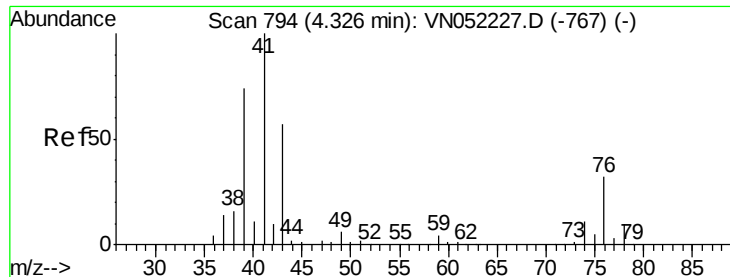
500

0

Time-->

3.75 3.80 3.85 3.90

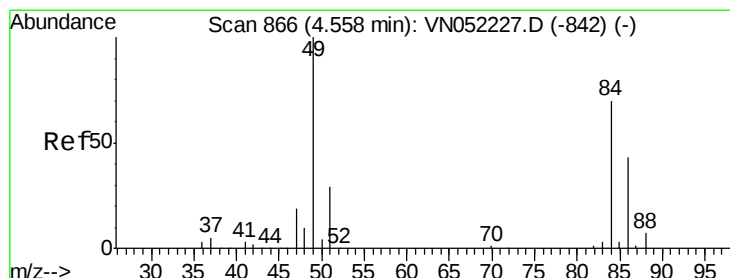
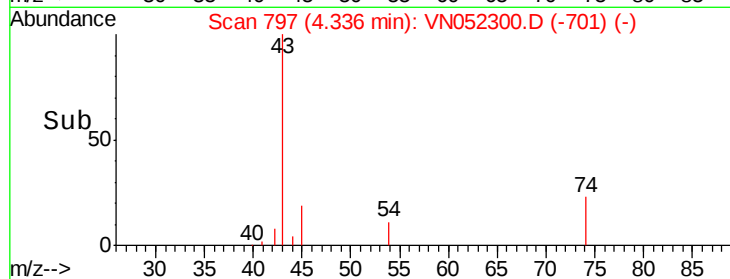
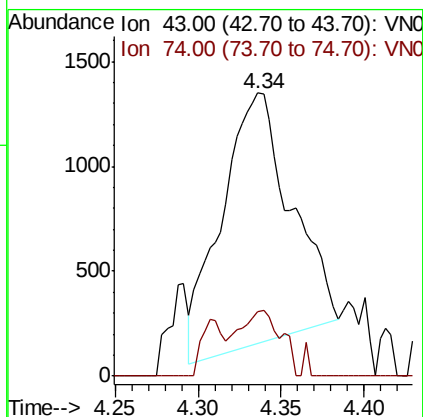
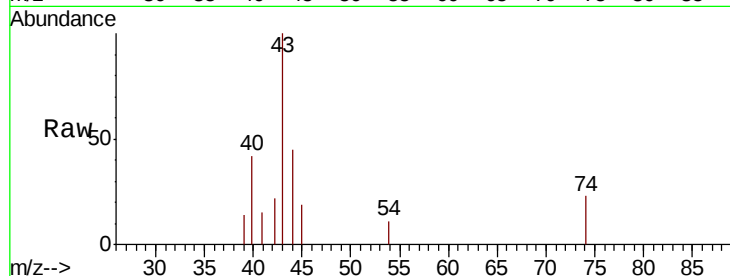




#18
Methyl Acetate
Concen: 0.947 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

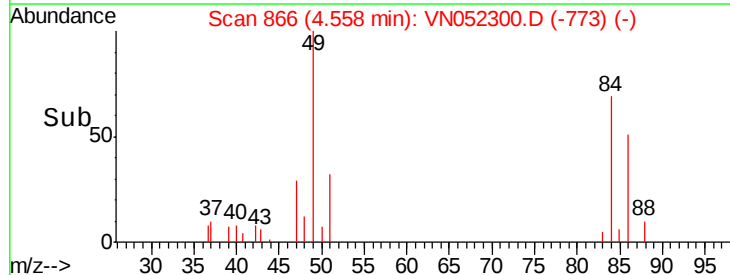
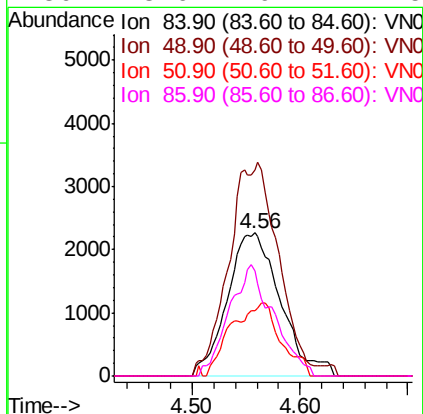
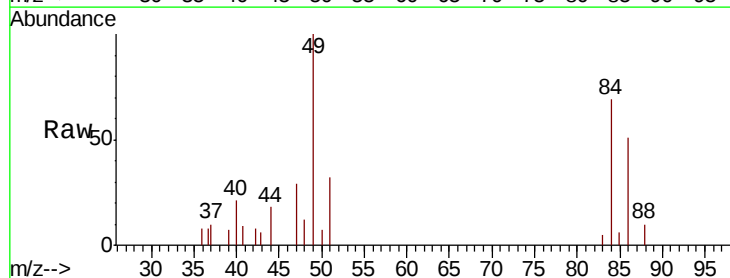
Instrument :
MSVOA_N
ClientSampled :

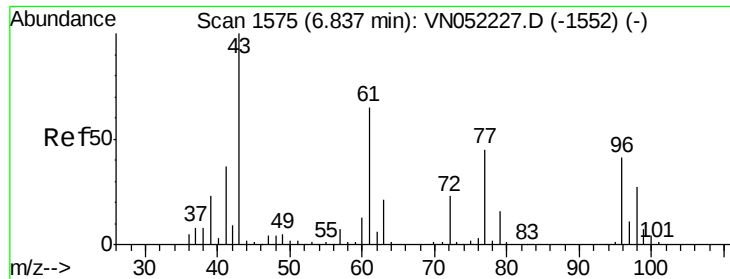
Tot Ion: 43 Resp: 3494
Ion Ratio Lower Upper
43 100
74 14.8 16.2 24.2#



#20
Methylene Chloride
Concen: 1.931 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

Tgt Ion: 84 Resp: 7771
Ion Ratio Lower Upper
84 100
49 143.9 114.8 172.2
51 45.4 33.1 49.7
86 73.6 49.7 74.5

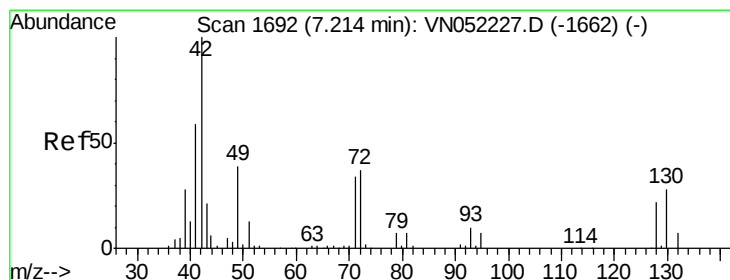
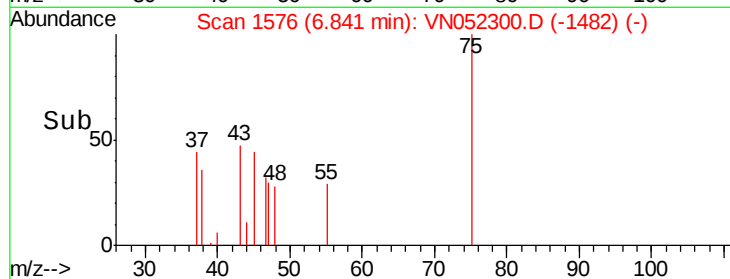
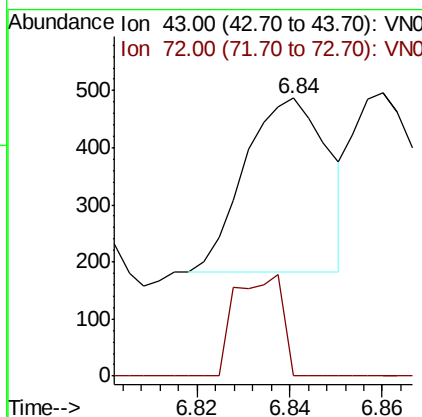
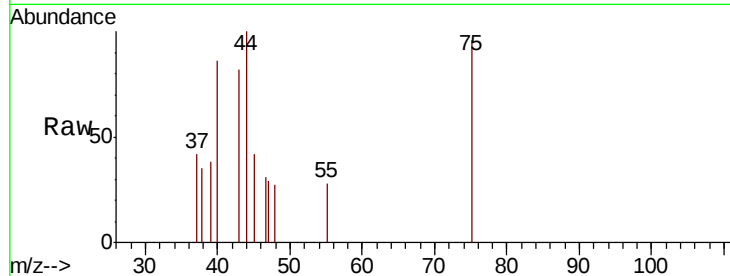




#25
 2-Butanone
 Concen: 0.202 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

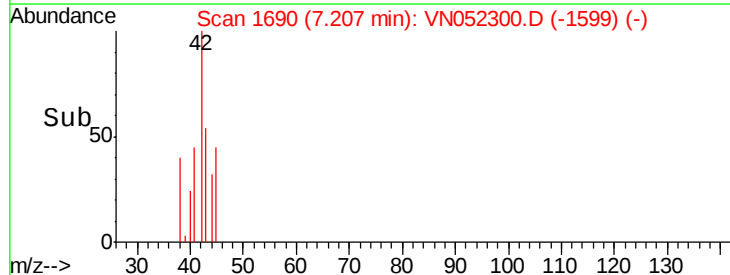
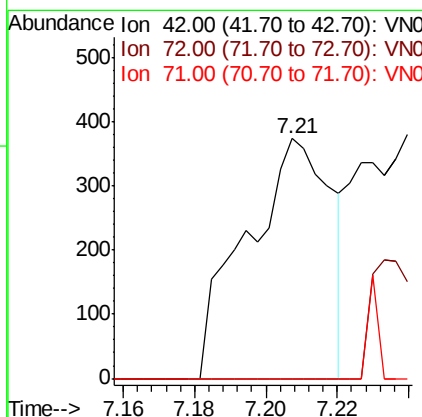
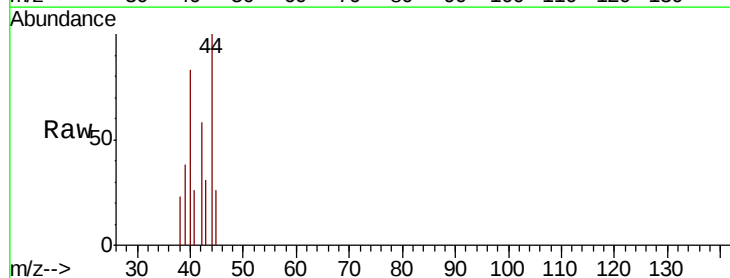
Instrument :
 MSVOA_N
 ClientSampled :

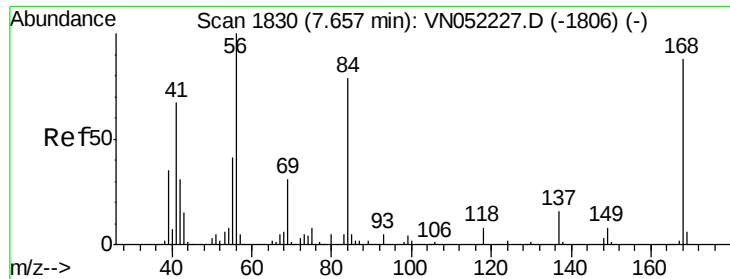
Tot Ion: 43 Resp: 380
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



#29
 Tetrahydrofuran
 Concen: 0.500 ug/l
 RT: 7.21 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

Tgt Ion: 42 Resp: 613
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.6 43.0#
 71 0.0 27.1 40.7#

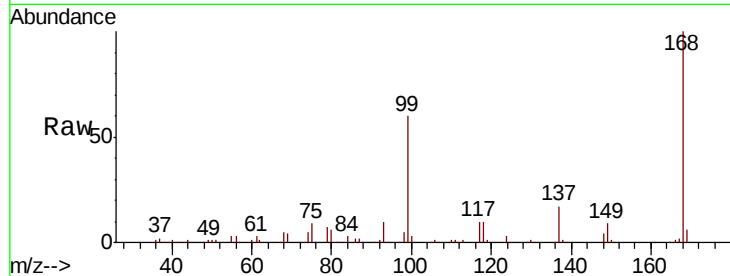




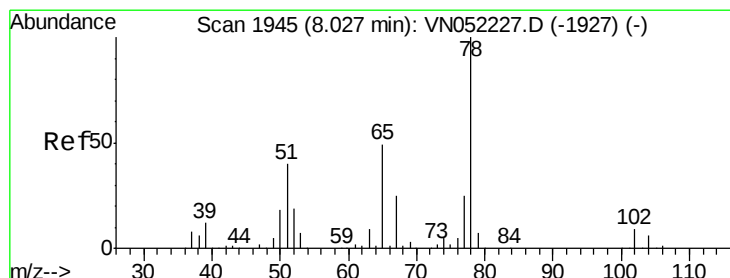
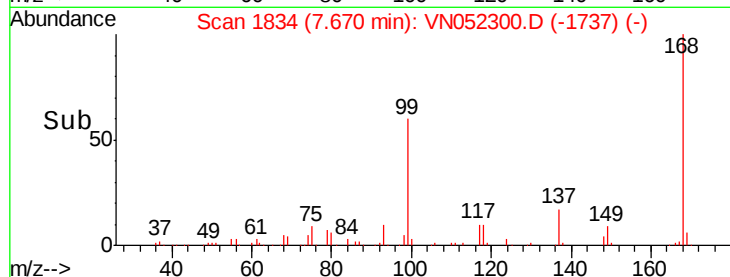
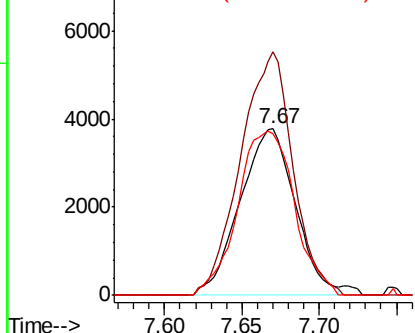
#31
Cyclohexane
Concen: 0.693 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9382
Ion Ratio Lower Upper
56 100
69 146.4 24.8 37.2#
84 97.5 63.1 94.7#

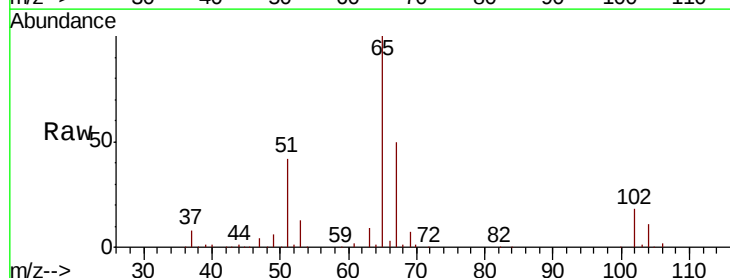


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

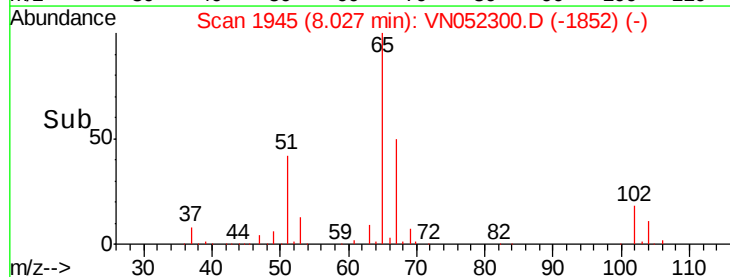
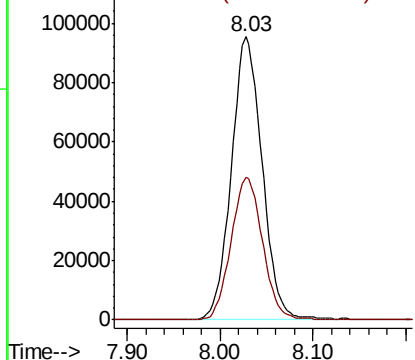


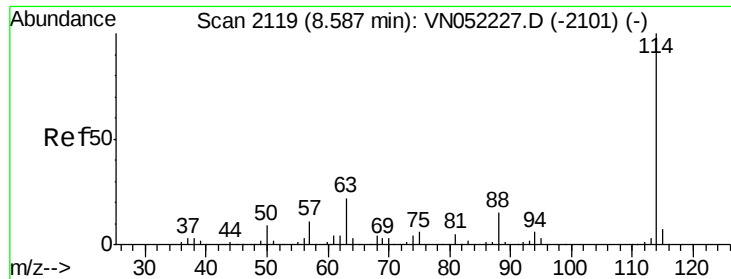
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

Tgt Ion: 65 Resp: 219881
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

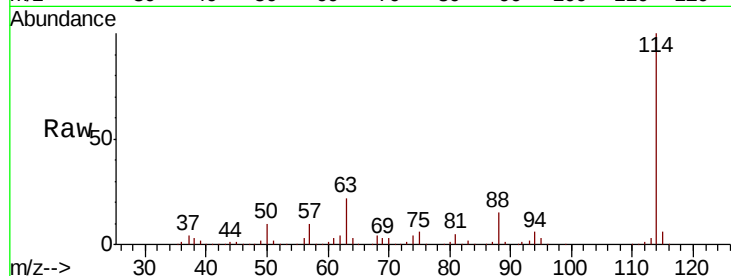




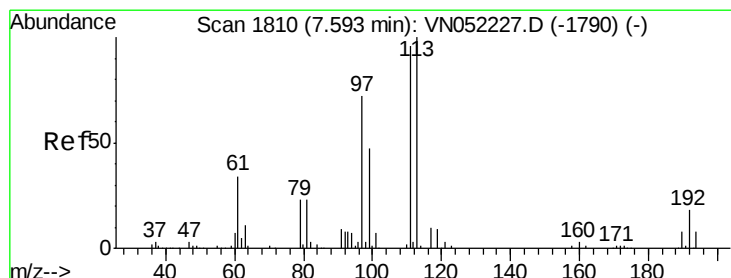
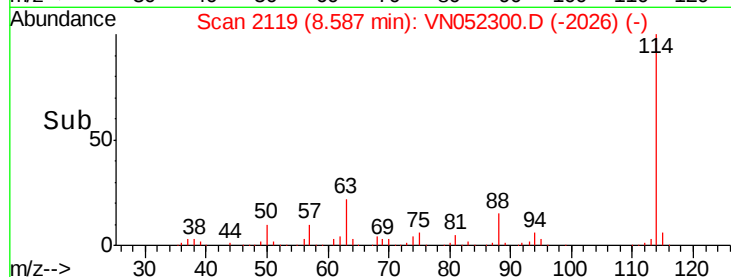
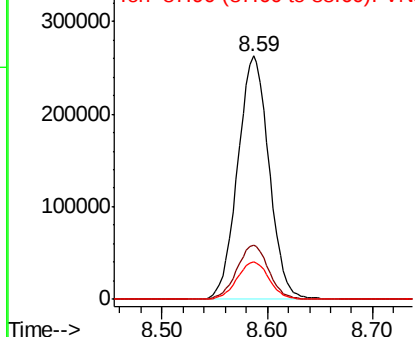
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.4
88	15.4	0.0	30.2

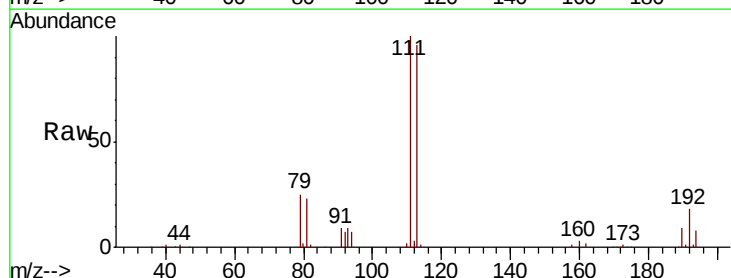


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

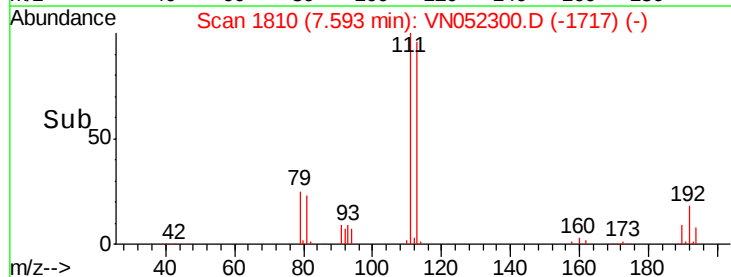
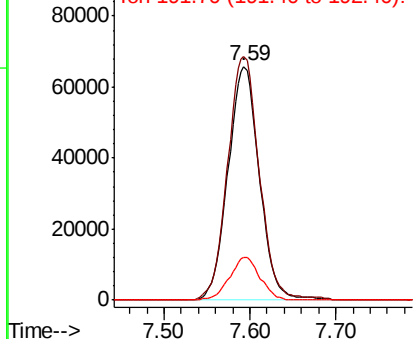


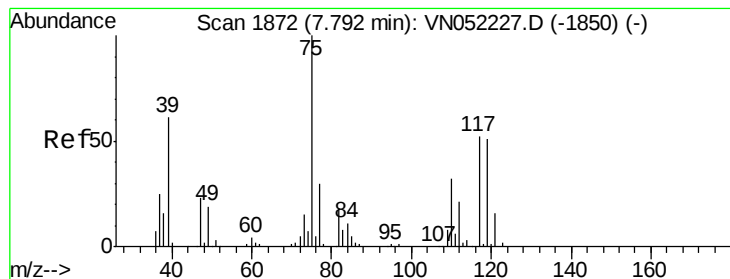
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	80.2	120.4
192	17.7	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: 5.428 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

Instrument :

MSVOA_N

ClientSampleId :

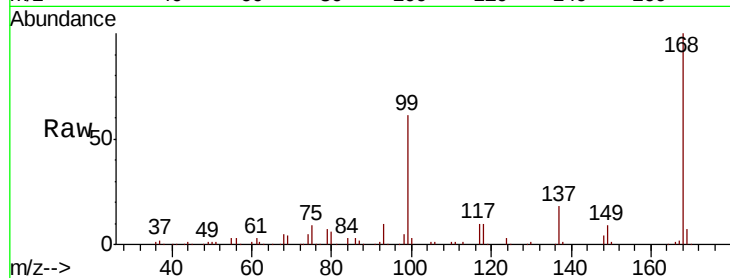
Tot Ion: 75 Resp: 29640

Ion Ratio Lower Upper

75 100

110 8.8 16.4 49.4#

77 0.1 23.9 35.9#

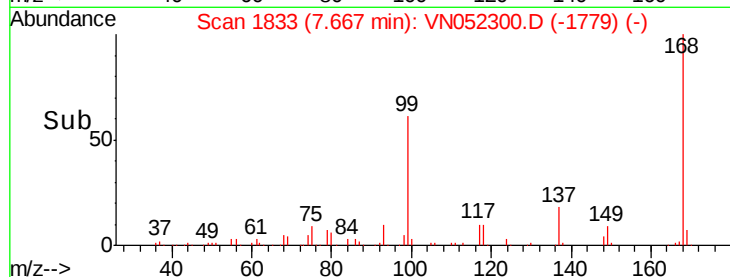


Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-1850) (-)

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

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

Time-->

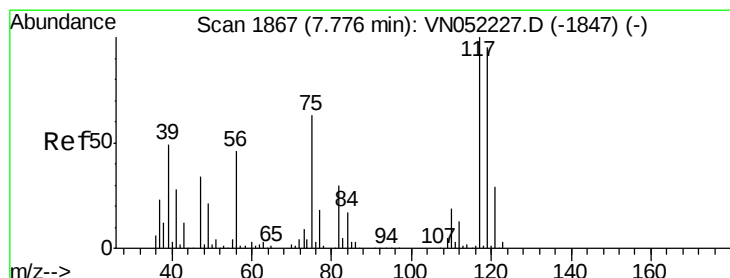


Abundance Ion 74.90 (74.60 to 75.60): VN052300.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052300.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052300.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.690 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

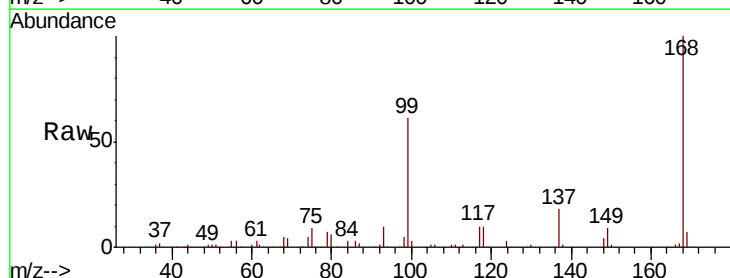
Tgt Ion: 117 Resp: 33107

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

121 0.0 23.4 35.2#

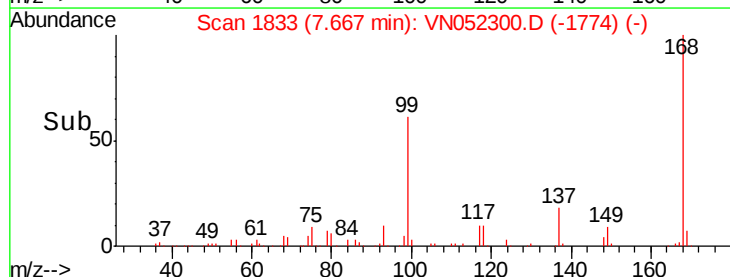


Abundance Ion 116.80 (116.50 to 117.50): VN052227.D (-1847) (-)

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

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

Time-->

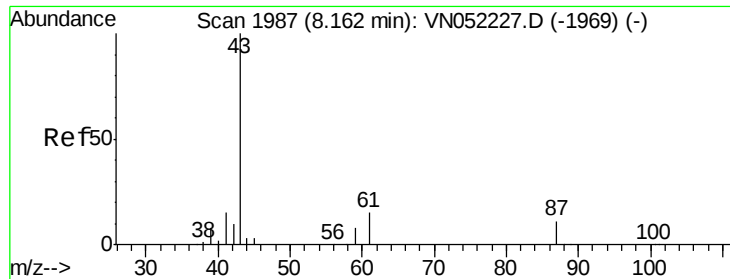


Abundance Ion 116.80 (116.50 to 117.50): VN052300.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052300.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052300.D (-1774) (-)

Time-->



#43

Isopropyl Acetate

Concen: 24.613 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

Instrument :

MSVOA_N

ClientSampled :

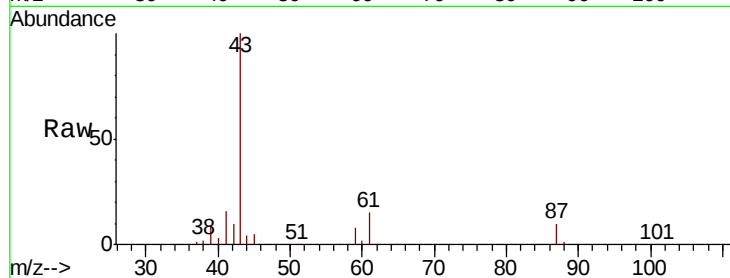
Tot Ion: 43 Resp: 176201

Ion Ratio Lower Upper

43 100

61 15.3 14.2 21.4

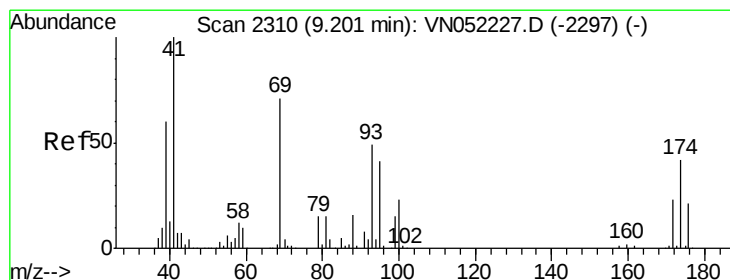
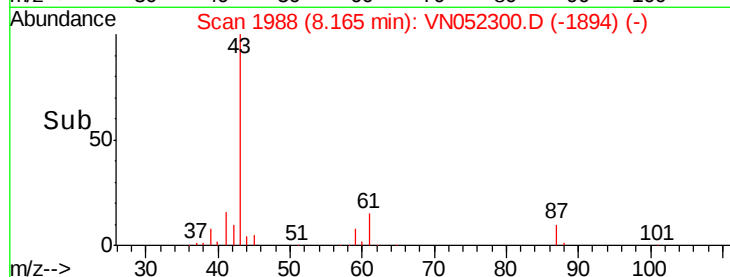
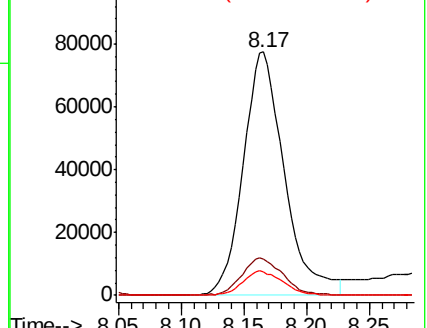
87 9.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#48

Methyl methacrylate

Concen: 1.099 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

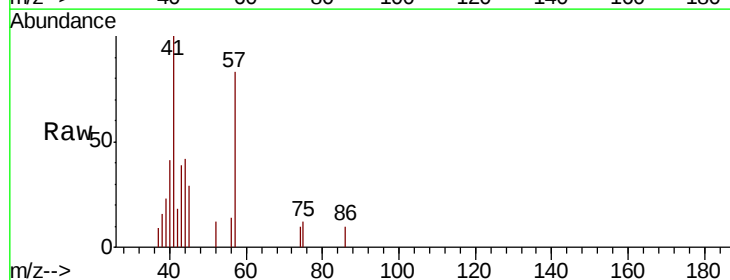
Tgt Ion: 41 Resp: 4146

Ion Ratio Lower Upper

41 100

69 0.0 58.8 88.2#

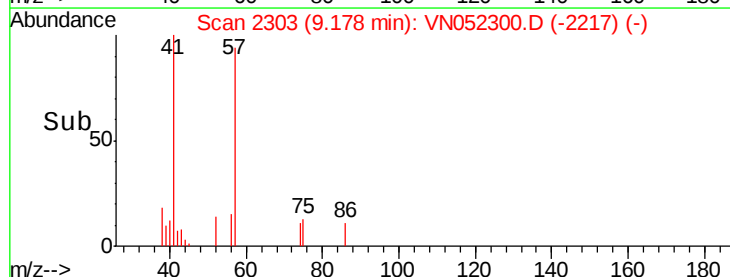
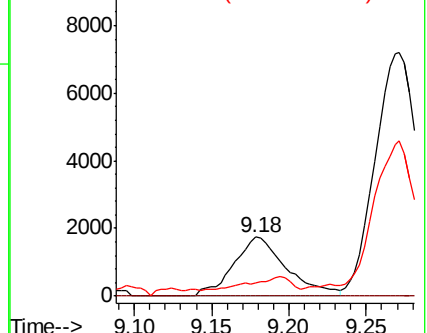
39 13.5 50.7 76.1#

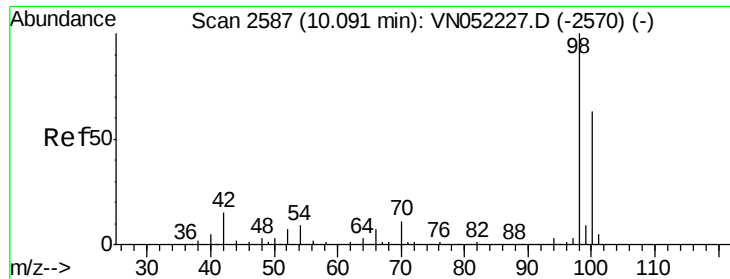


Abundance Ion 41.00 (40.70 to 41.70): VN052227.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2297) (-)





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

Instrument :

MSVOA_N

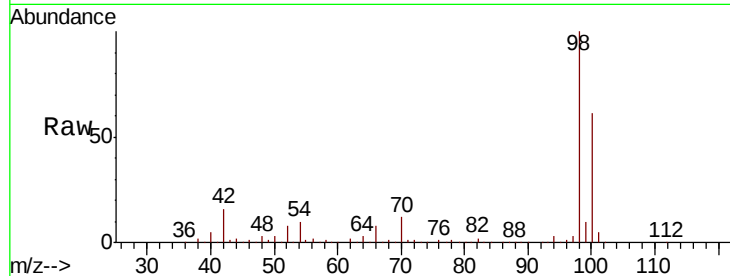
ClientSampleId :

Tot Ion: 98 Resp: 673265

Ion Ratio Lower Upper

98 100

100 62.5 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN052227.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052227.D (-2570) (-)

10.09

400000

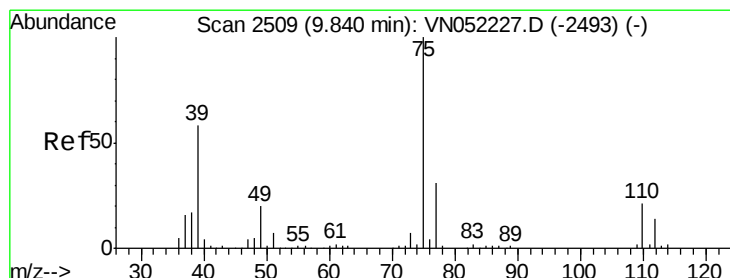
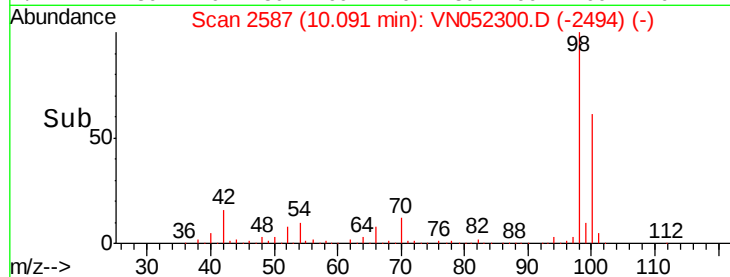
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.219 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

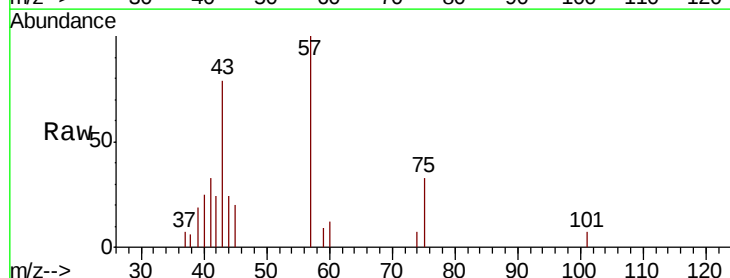
Tgt Ion: 75 Resp: 1324

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 33.5 46.6 70.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052227.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2493) (-)

9.90

1000

800

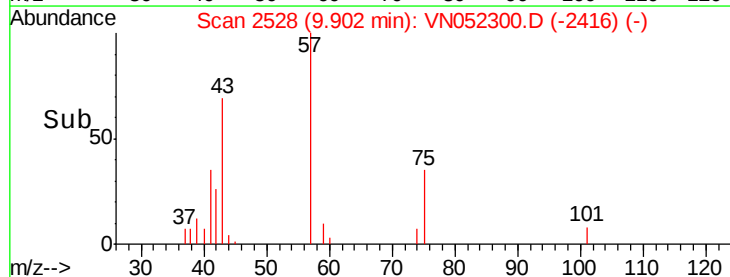
600

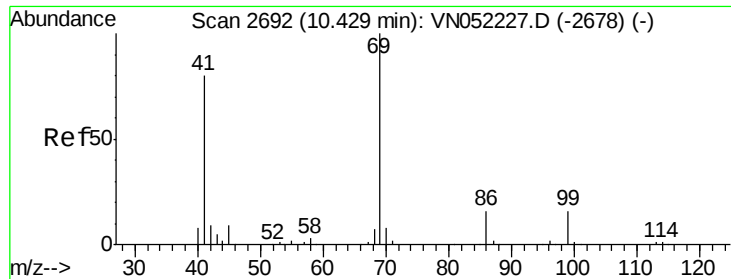
400

200

0

Time-->





#56

Ethyl methacrylate

Concen: 0.282 ug/l

RT: 10.23 min Scan# 2630

Delta R.T. -0.20 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

Instrument :

MSVOA_N

ClientSampled :

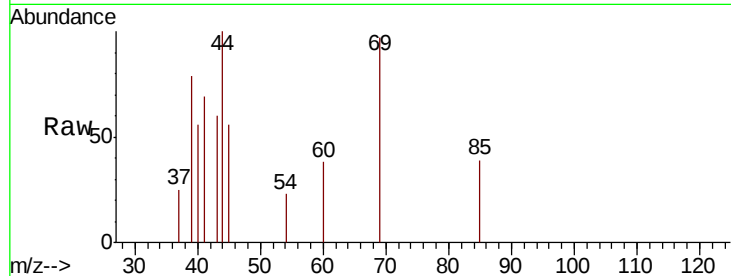
Tot Ion: 69 Resp: 1301

Ion Ratio Lower Upper

69 100

41 41.5 64.0 96.0#

39 49.8 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) (-)

10.23

600

400

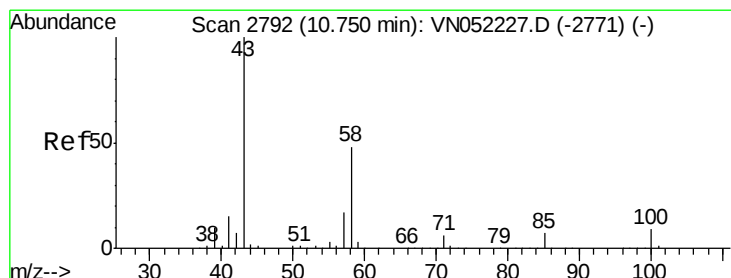
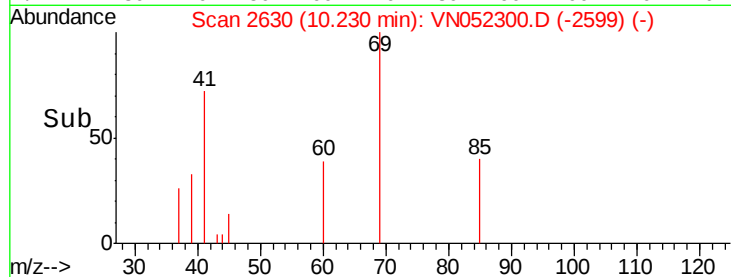
200

0

10.20

10.25

Time-->



#59

2-Hexanone

Concen: 3.874 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052300.D

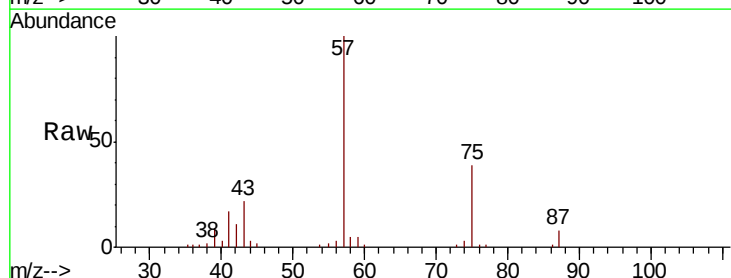
Acq: 13 Nov 2018 21:17

Tgt Ion: 43 Resp: 10752

Ion Ratio Lower Upper

43 100

58 21.8 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) (-)

8000

6000

4000

2000

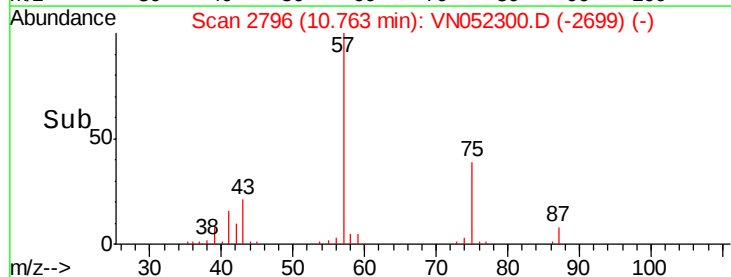
0

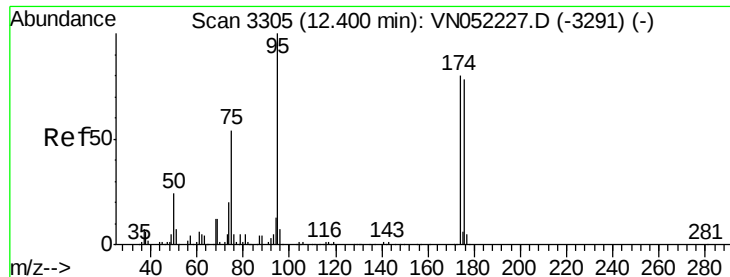
10.70

10.75

10.80

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

Instrument :

MSVOA_N

ClientSampled :

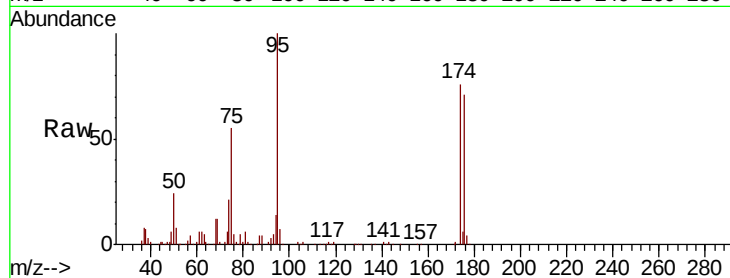
Tot Ion: 95 Resp: 188731

Ion Ratio Lower Upper

95 100

174 77.0 0.0 159.4

176 73.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052300.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052300.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052300.D (-2903) (-)

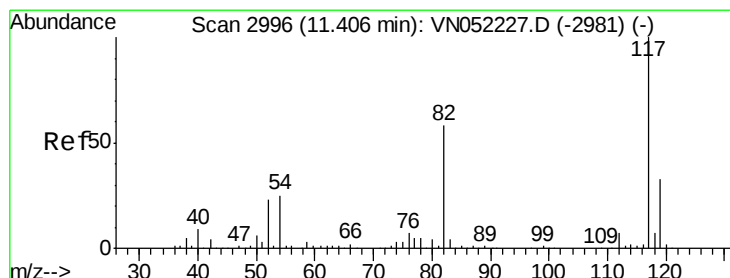
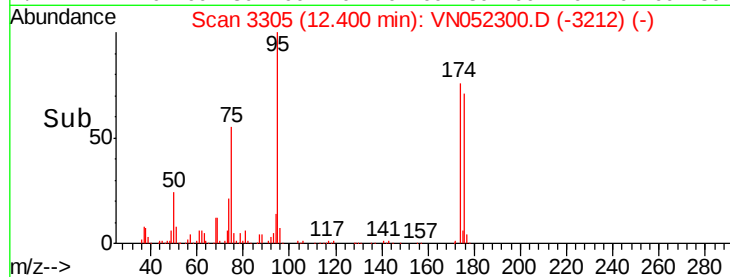
12.40

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052300.D

Acq: 13 Nov 2018 21:17

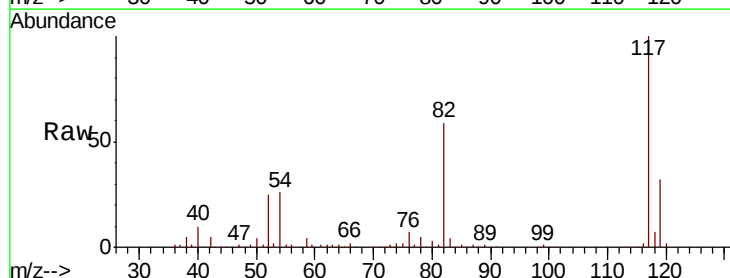
Tgt Ion: 117 Resp: 448925

Ion Ratio Lower Upper

117 100

82 59.0 46.2 69.2

119 31.7 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VN052300.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052300.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052300.D (-2903) (-)

11.41

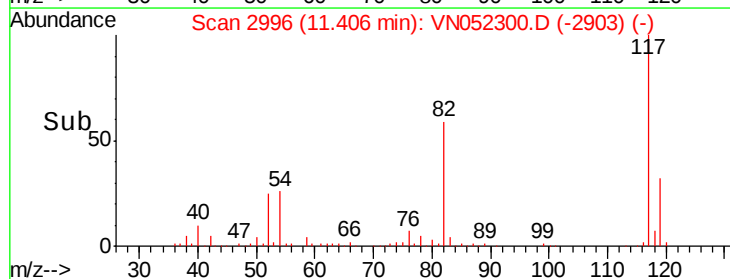
300000

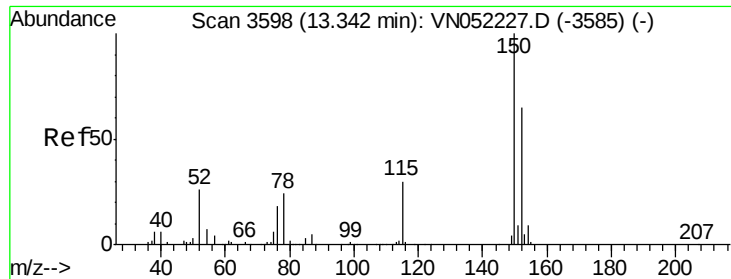
200000

100000

0

Time-->



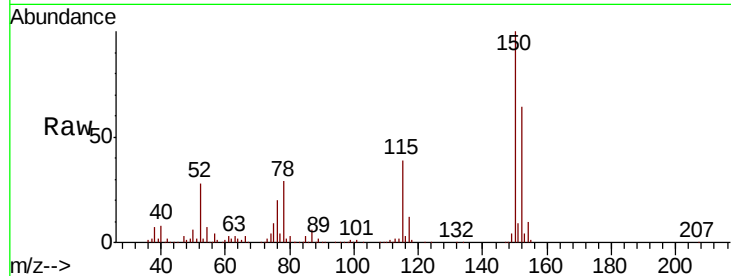


#72

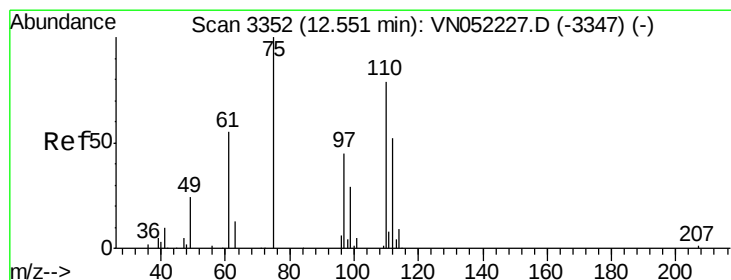
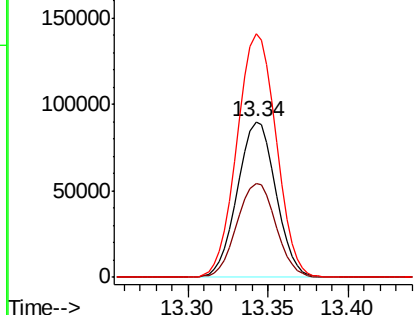
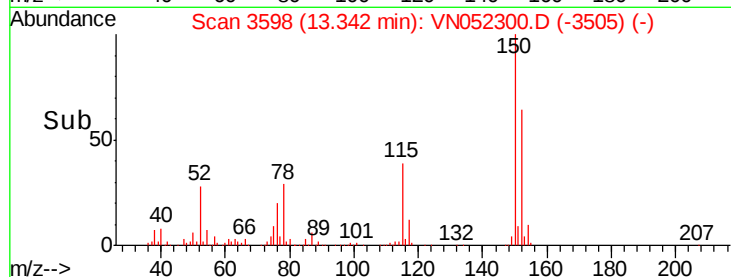
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.8	89.5
150	159.2	0.0	350.2



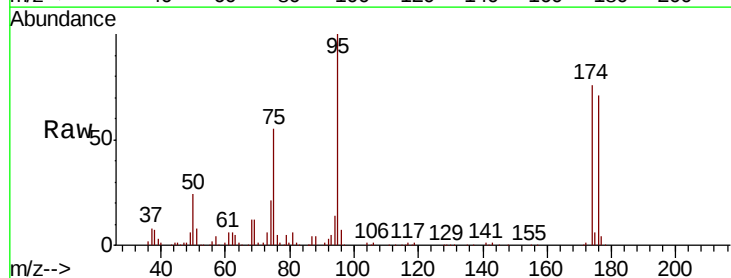
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



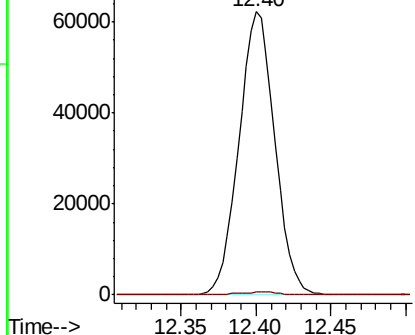
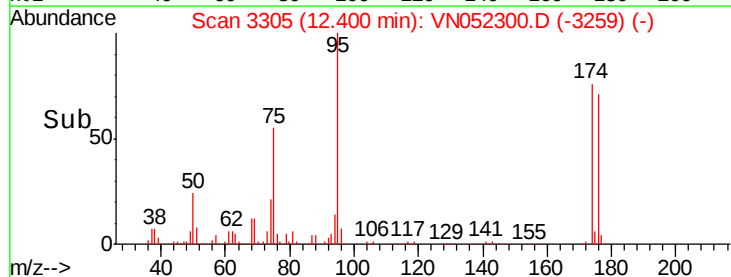
#76

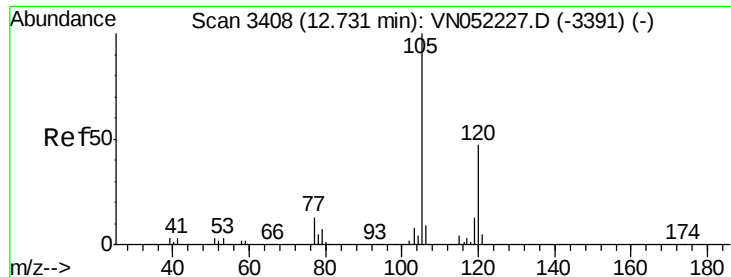
1,2,3-Trichloropropane
Concen: 39.690 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052300.D
Acq: 13 Nov 2018 21:17

Tgt 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

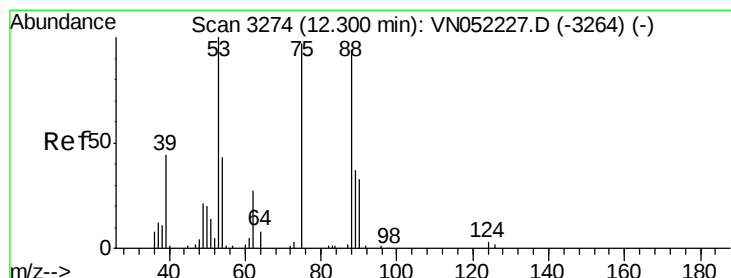
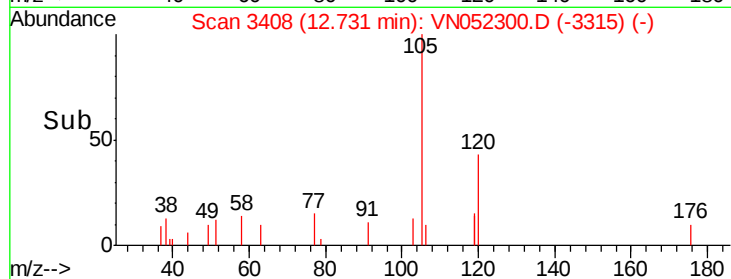
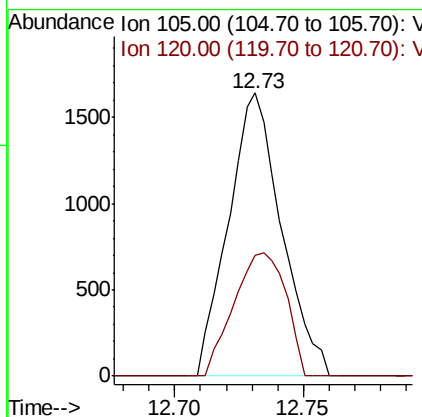
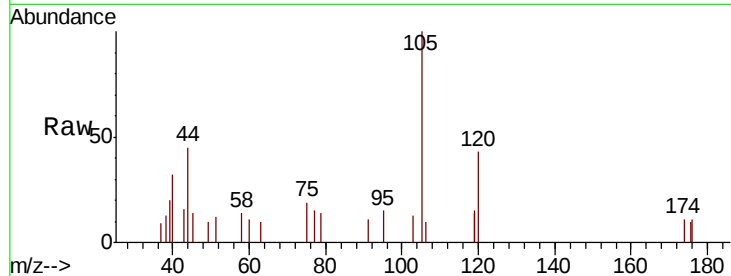




#80
 1,3,5-Trimethylbenzene
 Concen: 0.245 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 2354
 Ion Ratio Lower Upper
 105 100
 120 42.9 23.9 71.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.478 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052300.D
 Acq: 13 Nov 2018 21:17

Tgt Ion: 75 Resp: 103671
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.0 126.0#
 89 0.0 33.7 50.5#

