

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052340.D
 Acq On : 15 Nov 2018 14:26
 Operator : MD\SY
 Sample : PB114828ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	534483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	222200	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.59	113	172417	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.09	98	679472	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	192188	43.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.16%	

Target Compounds

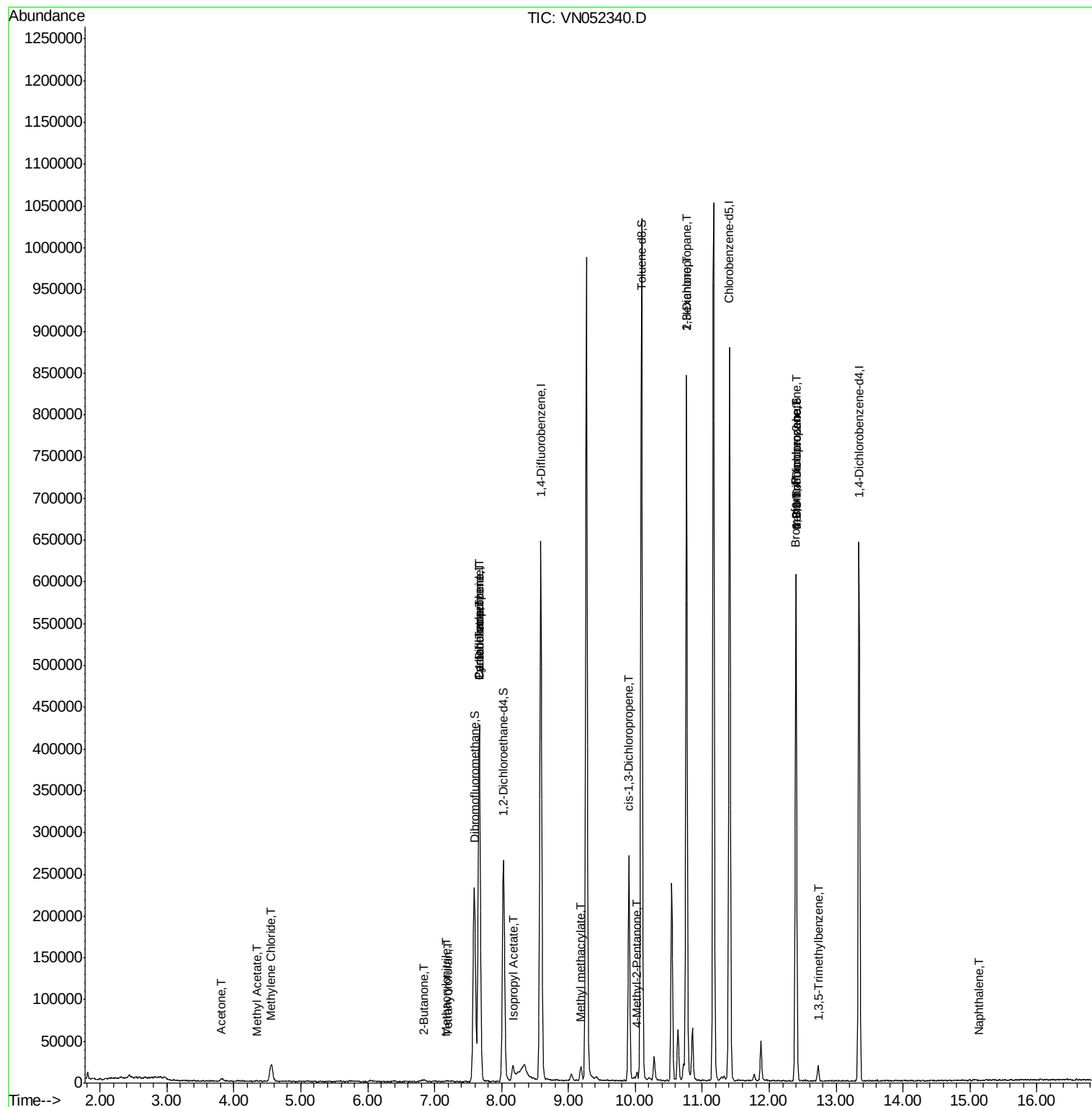
						Qvalue
16) Acetone	3.81	43	6888	5.592	ug/l #	84
18) Methyl Acetate	4.34	43	2009	1.009	ug/l #	75
20) Methylene Chloride	4.56	84	13472	2.936	ug/l	98
25) 2-Butanone	6.84	43	845	0.487	ug/l #	52
29) Tetrahydrofuran	7.21	42	669	0.587	ug/l #	44
31) Cyclohexane	7.66	56	8943	0.260	ug/l #	31
36) 1,1-Dichloropropene	7.66	75	29181	5.447	ug/l #	51
38) Carbon Tetrachloride	7.66	117	33945	6.897	ug/l #	16
41) Methacrylonitrile	7.17	41	83	3.731	ug/l #	100
43) Isopropyl Acetate	8.17	43	25374	3.382	ug/l #	96
48) Methyl methacrylate	9.18	41	5893	1.548	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	7841	2.076	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	40931	6.900	ug/l #	70
57) 1,3-Dichloropropane	10.77	76	8063	1.372	ug/l #	43
59) 2-Hexanone	10.76	43	133966	51.574	ug/l #	56
71) Bromoform	12.39	173	449	0.230	ug/l #	27
76) 1,2,3-Trichloropropane	12.40	75	107605	41.104	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	8447	0.856	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	107605	133.317	ug/l #	5
95) Naphthalene	15.13	128	33	2.610	ug/l #	69

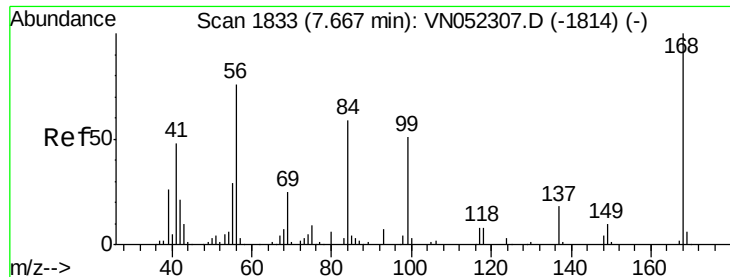
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

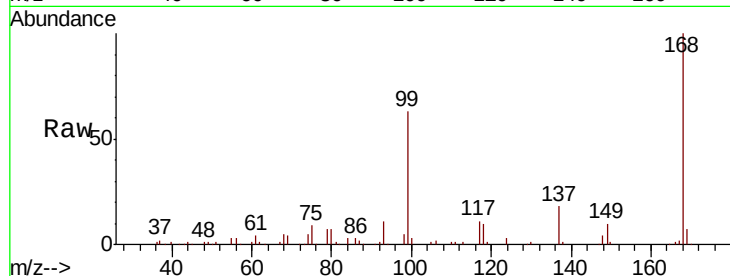
ClientSampleId :

Tot Ion:168 Resp: 316745

Ion Ratio Lower Upper

168 100

99 63.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052340.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052340.D (-1740) (-)

7.67

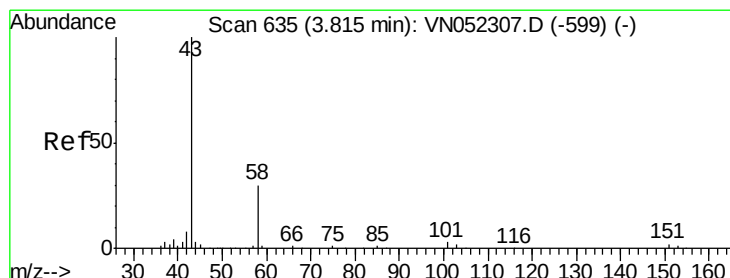
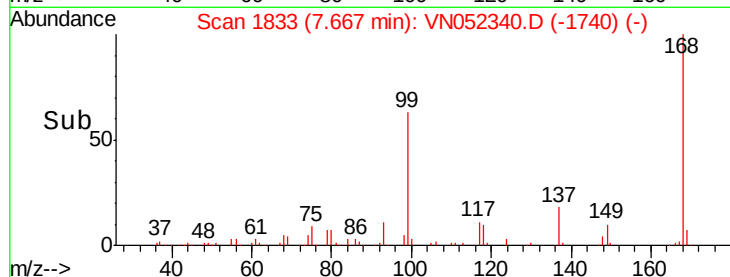
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.592 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052340.D

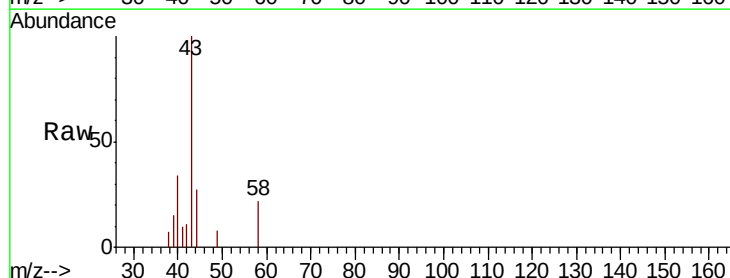
Acq: 15 Nov 2018 14:26

Tgt Ion: 43 Resp: 6888

Ion Ratio Lower Upper

43 100

58 21.6 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052340.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052340.D (-542) (-)

3.81

2500

2000

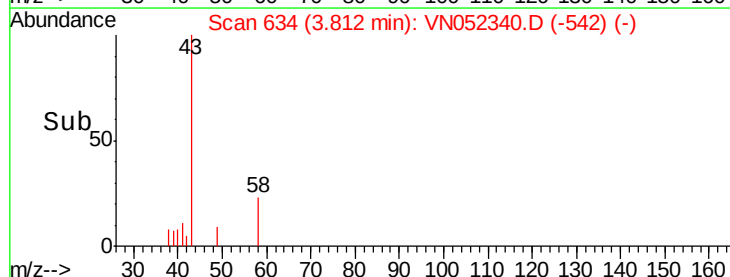
1500

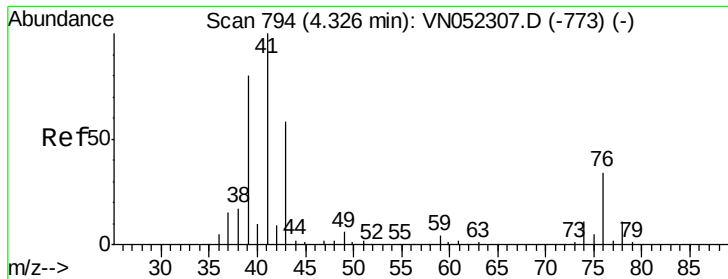
1000

500

0

Time-->





#18

Methyl Acetate

Concen: 1.009 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

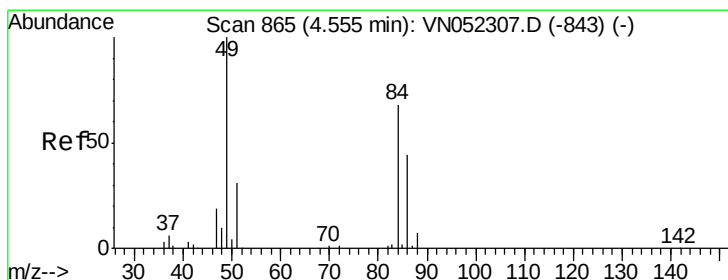
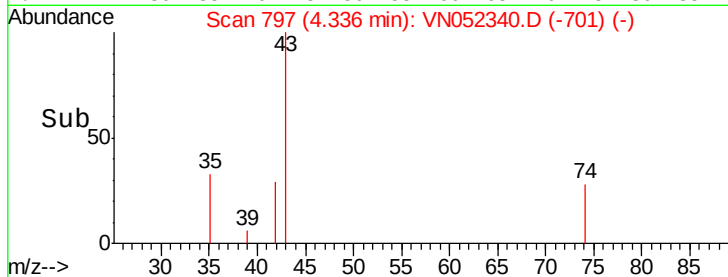
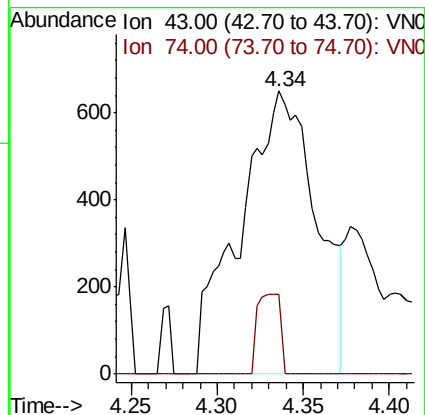
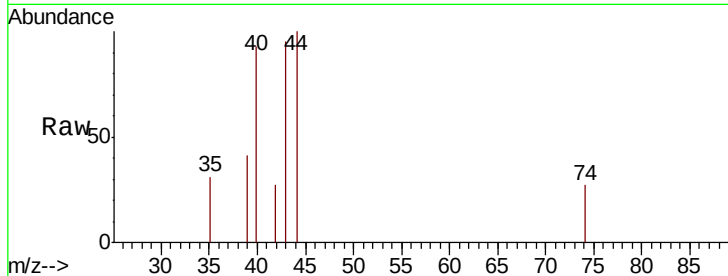
ClientSampleId :

Tot Ion: 43 Resp: 2009

Ion Ratio Lower Upper

43 100

74 8.5 15.9 23.9#



#20

Methylene Chloride

Concen: 2.936 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Tgt Ion: 84 Resp: 13472

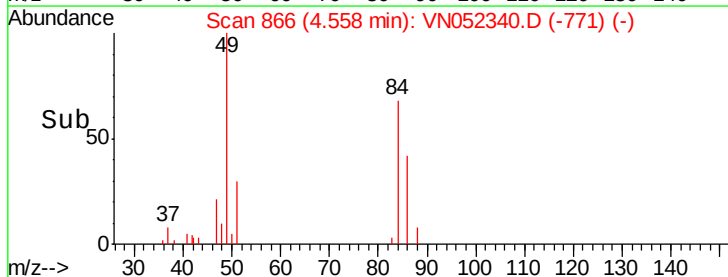
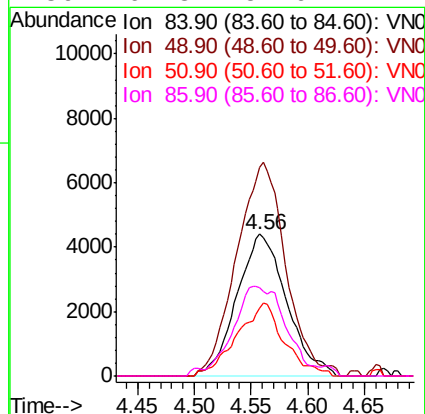
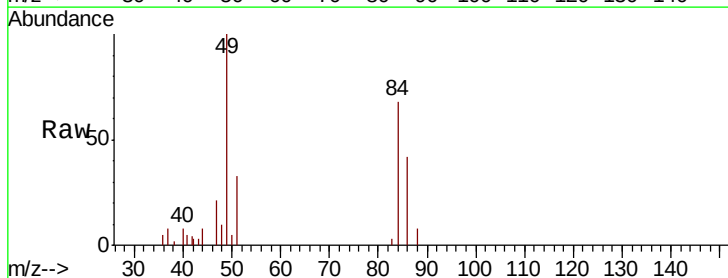
Ion Ratio Lower Upper

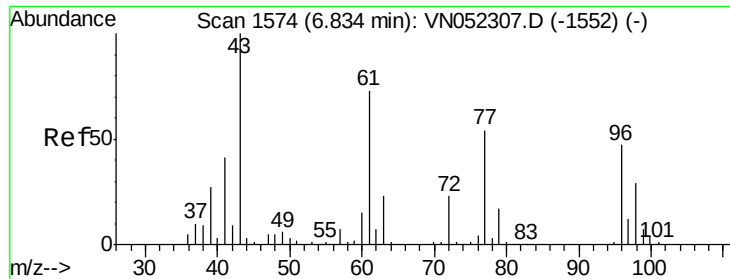
84 100

49 146.8 118.2 177.2

51 47.9 36.1 54.1

86 62.3 51.6 77.4





#25

2-Butanone

Concen: 0.487 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

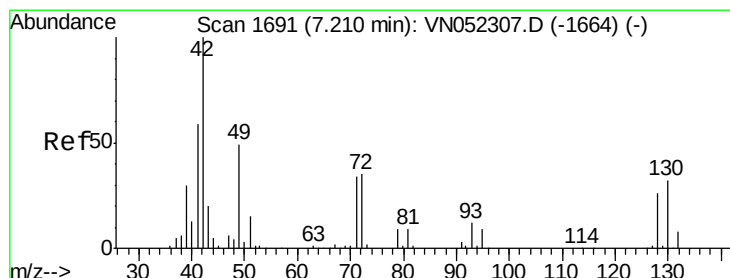
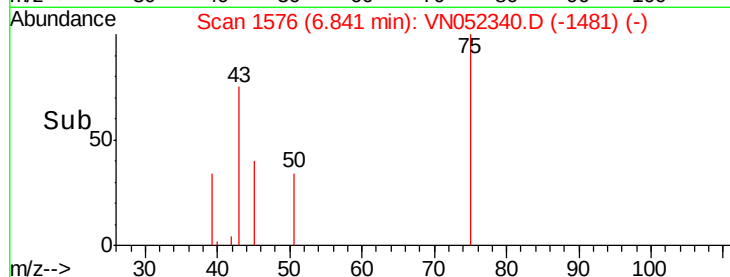
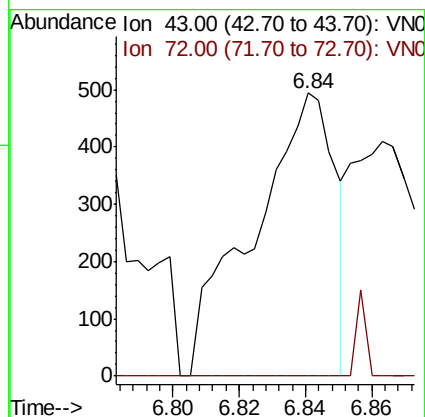
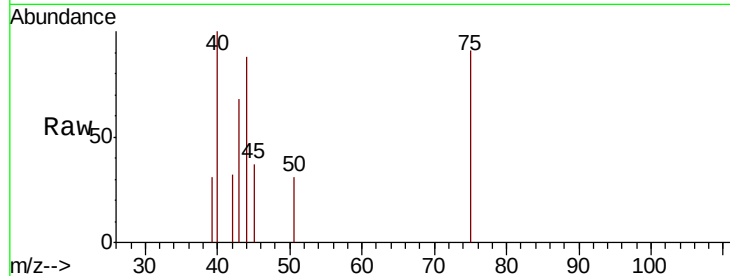
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 0.587 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

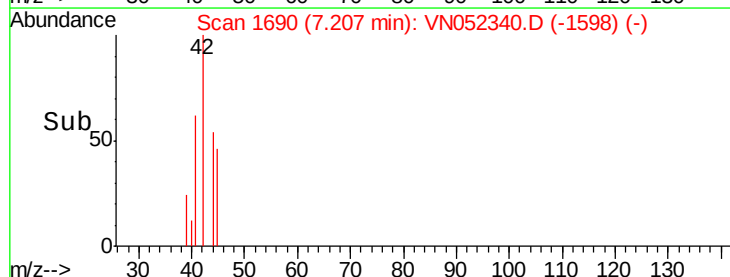
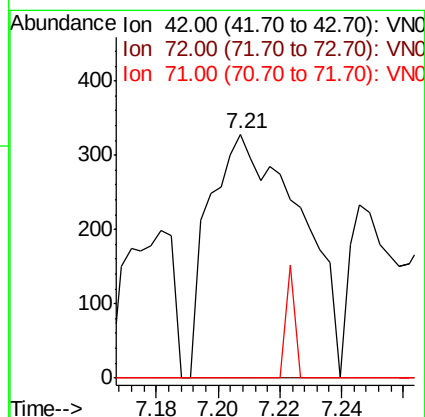
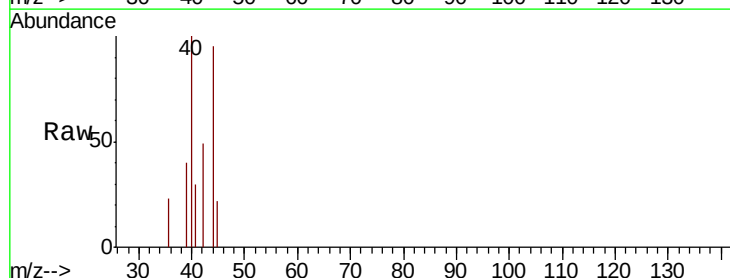
Tgt Ion: 42 Resp: 669

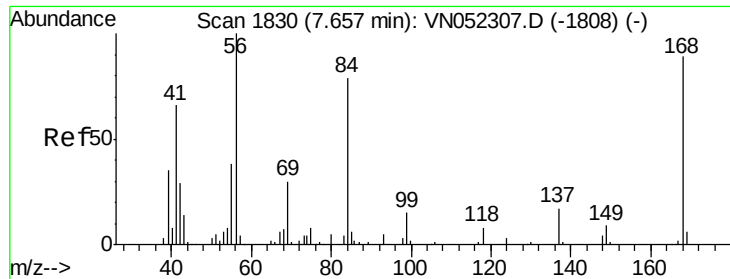
Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

71 4.3 26.7 40.1#

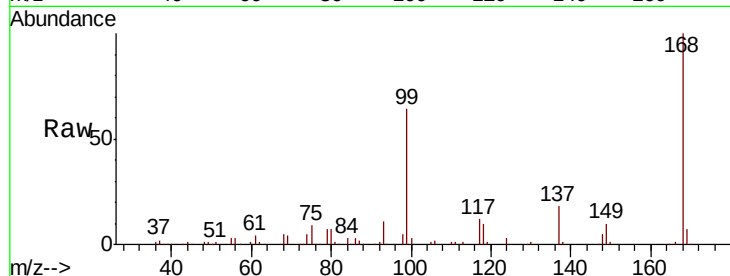




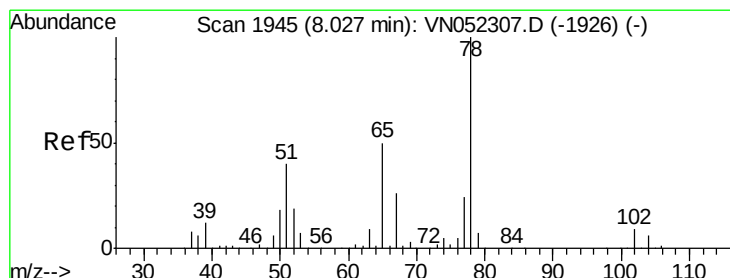
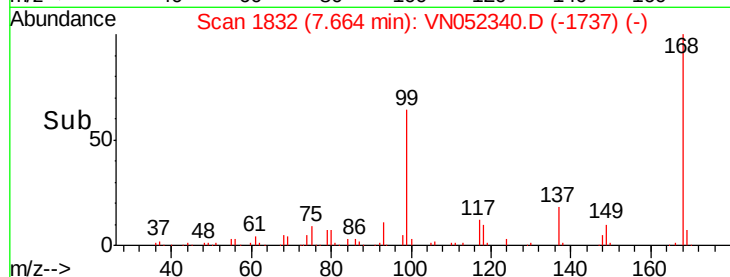
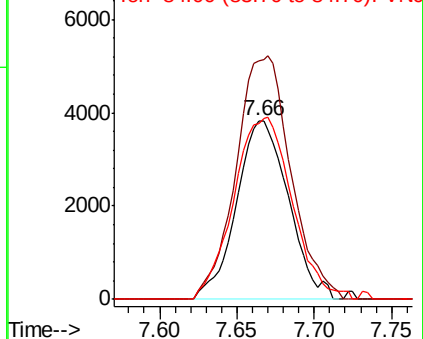
#31
Cyclohexane
Concen: 0.260 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 8943
Ion Ratio Lower Upper
56 100
69 133.6 23.8 35.8#
84 98.4 63.0 94.6#

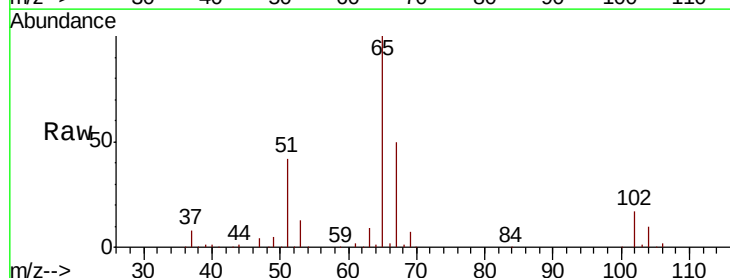


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

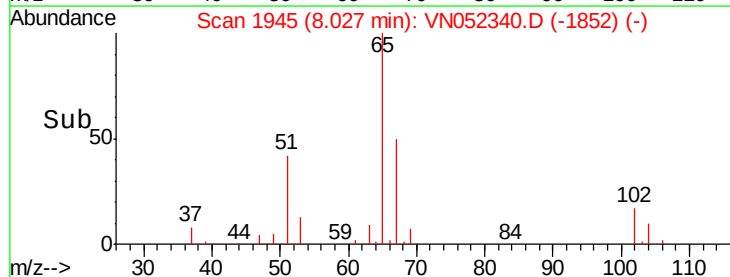
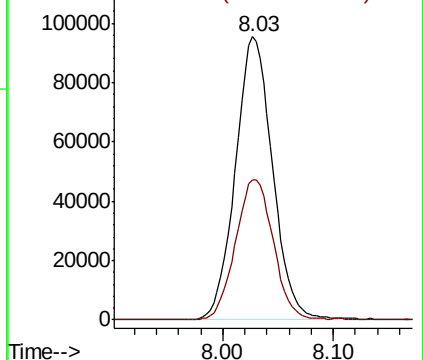


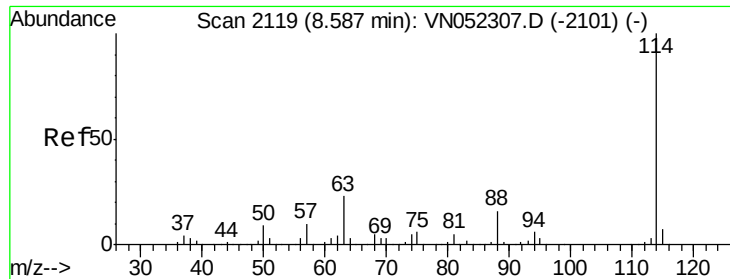
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Tgt Ion: 65 Resp: 222200
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.2



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

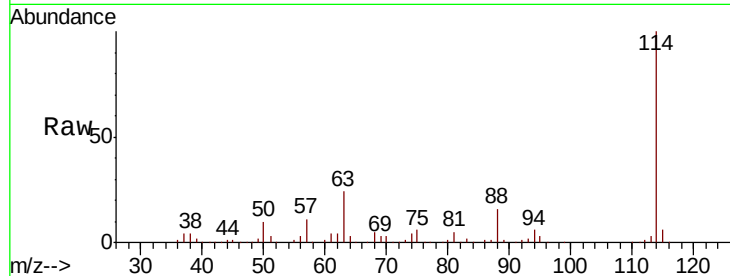




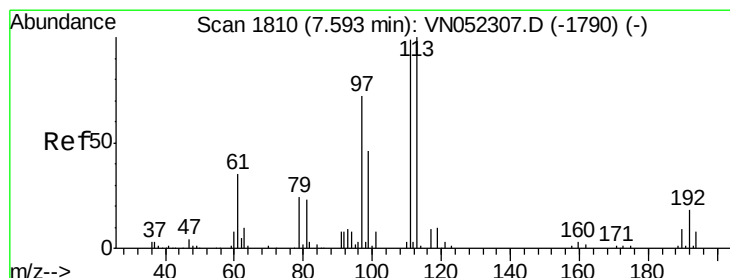
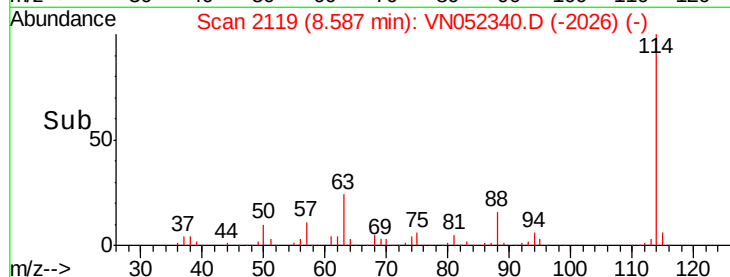
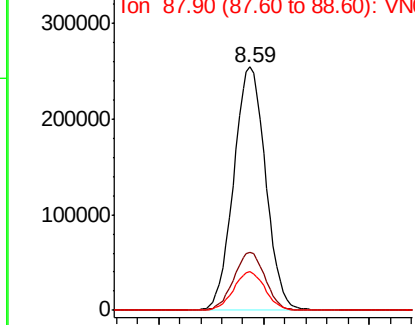
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 534483
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.4
 88 15.7 0.0 31.2

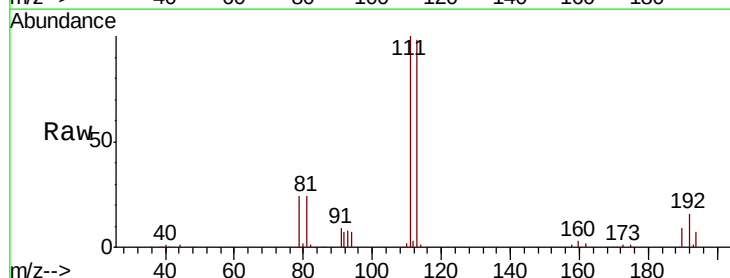


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

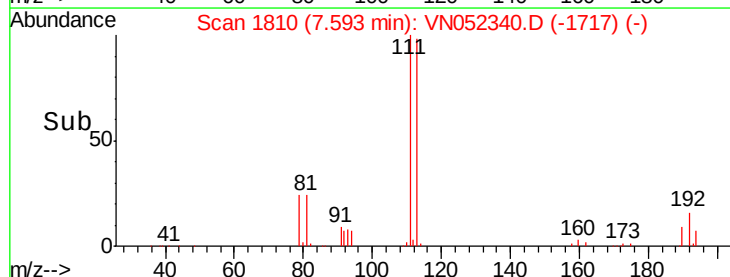
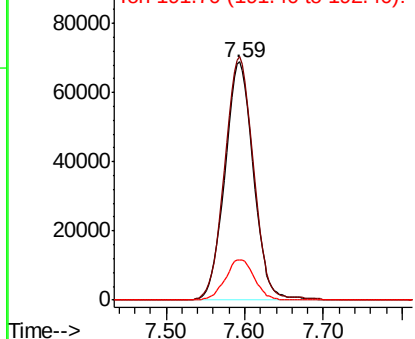


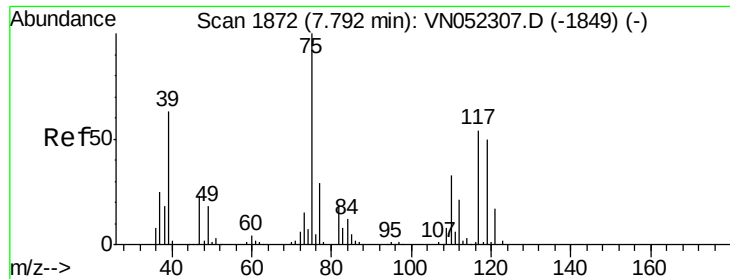
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

Tgt Ion:113 Resp: 172417
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.6
 192 17.3 13.8 20.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.447 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

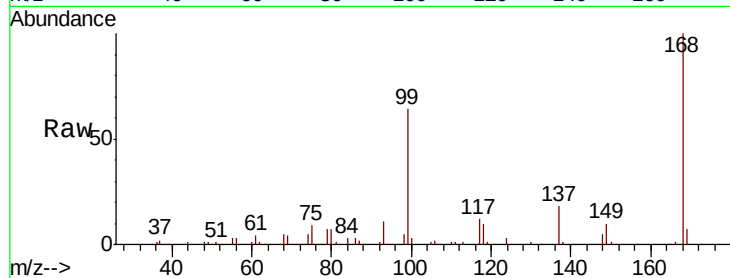
Tot Ion: 75 Resp: 29181

Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

77 0.2 24.2 36.2#

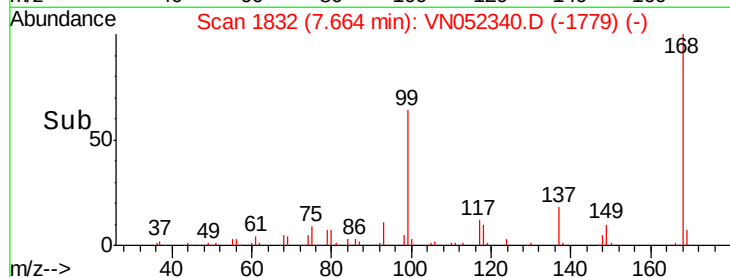


Abundance Ion 74.90 (74.60 to 75.60): VN052340.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052340.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052340.D (-1779) (-)

Time-->



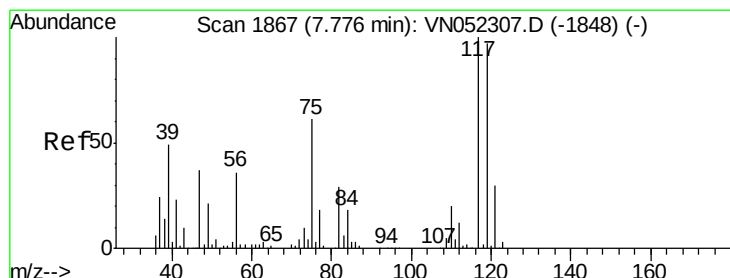
Abundance

Ion 74.90 (74.60 to 75.60): VN052340.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052340.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052340.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

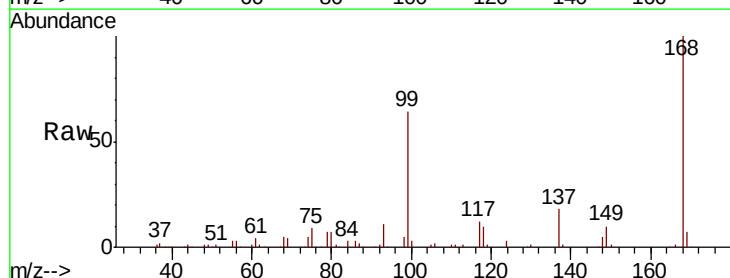
Tgt Ion: 117 Resp: 33945

Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.0#

121 0.0 24.0 36.0#

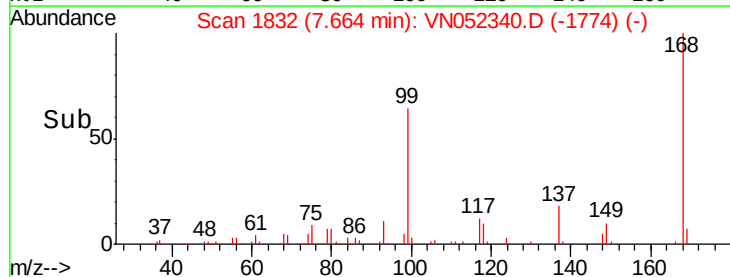


Abundance Ion 116.80 (116.50 to 117.50): VN052340.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052340.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052340.D (-1774) (-)

Time-->



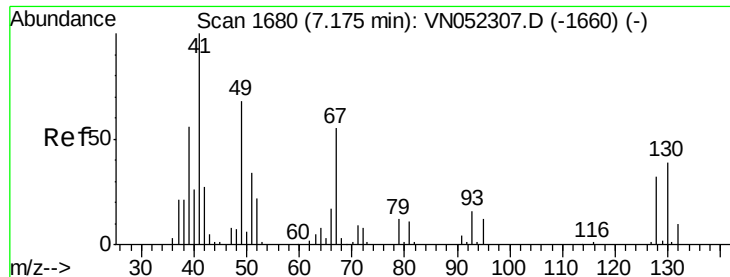
Abundance

Ion 116.80 (116.50 to 117.50): VN052340.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052340.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052340.D (-1774) (-)

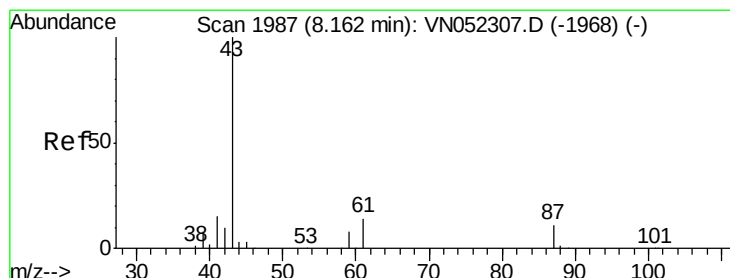
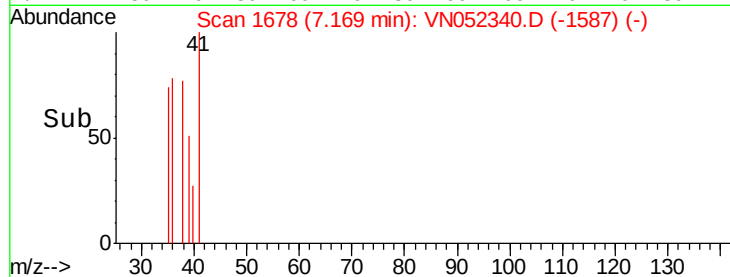
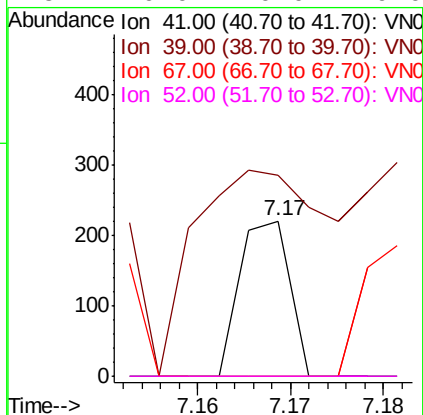
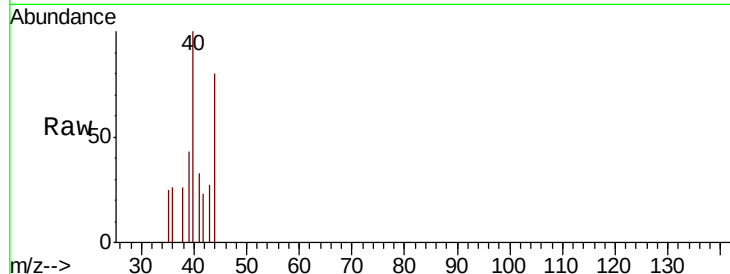
Time-->



#41
Methacrylonitrile
Concen: 3.731 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

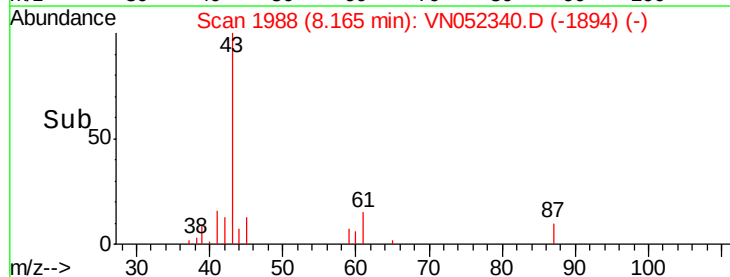
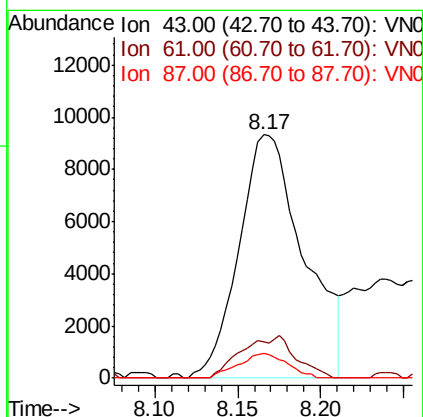
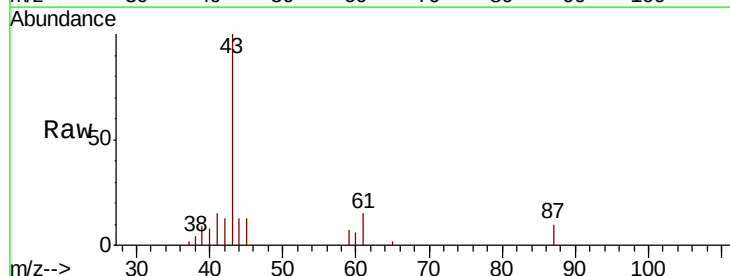
Instrument :
MSVOA_N
ClientSampled :

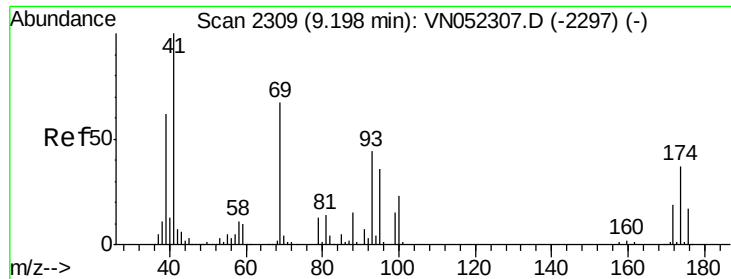
Tot Ion:	41	Resp:	83
Ion	Ratio	Lower	Upper
41	100		
39	350.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.382 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Tgt Ion:	43	Resp:	25374
Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.0	18.0
87	7.6	8.3	12.5#

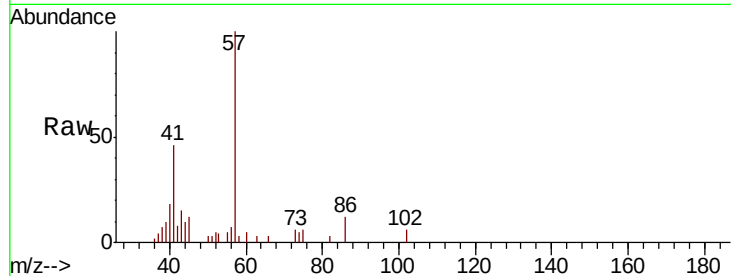




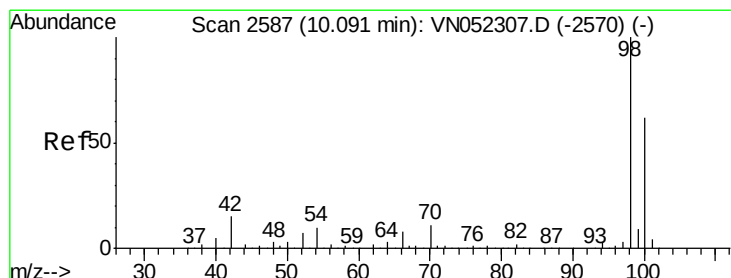
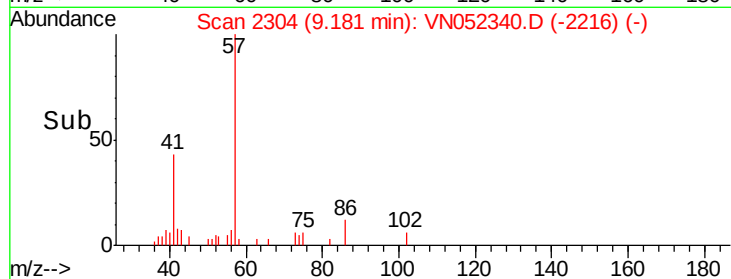
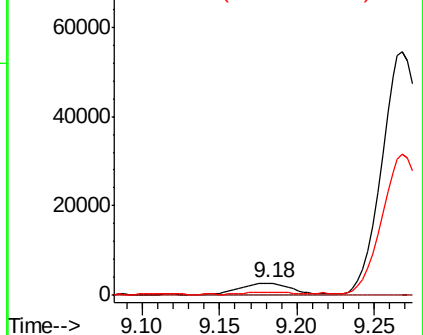
#48
Methvl methacrylate
Concen: 1.548 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 5893
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#

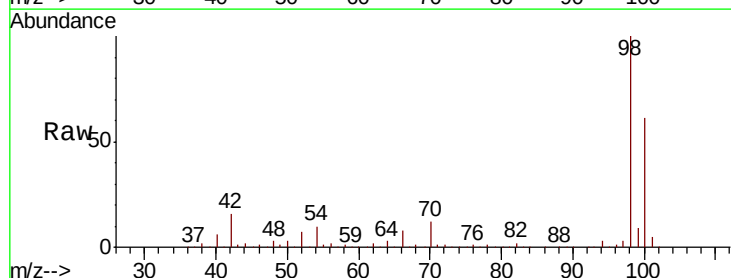


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

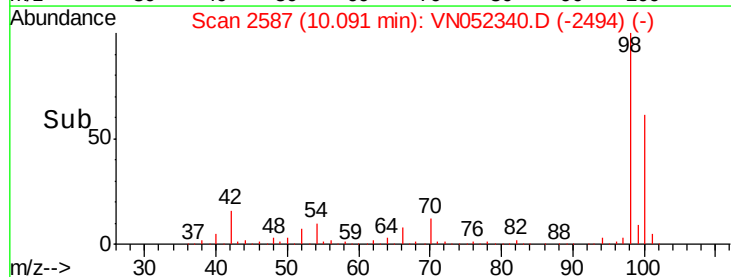
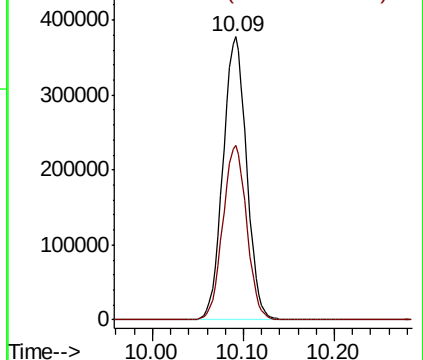


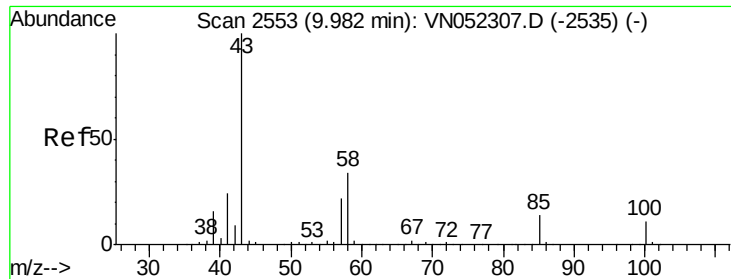
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Tgt Ion: 98 Resp: 679472
Ion Ratio Lower Upper
98 100
100 62.0 49.5 74.3



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: 2.076 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

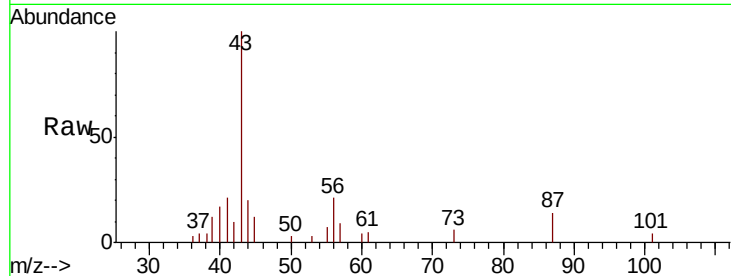
ClientSampled :

Tot Ion: 43 Resp: 7841

Ion Ratio Lower Upper

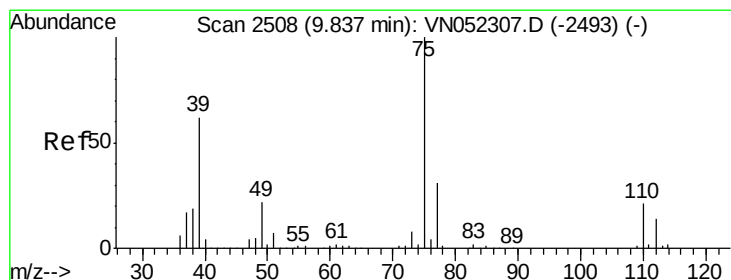
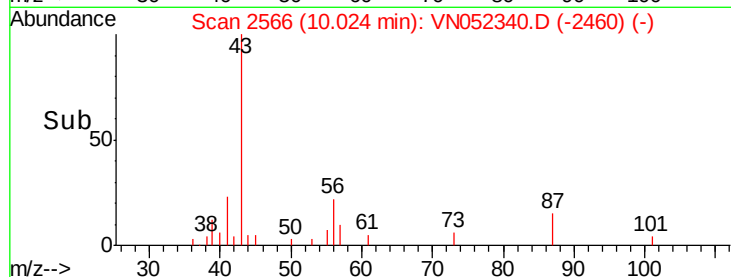
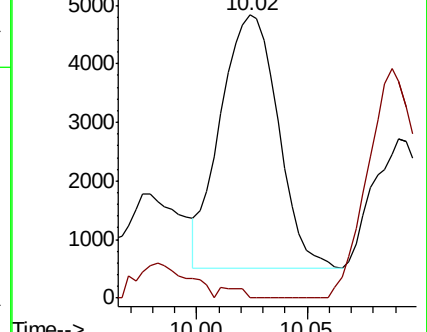
43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.900 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

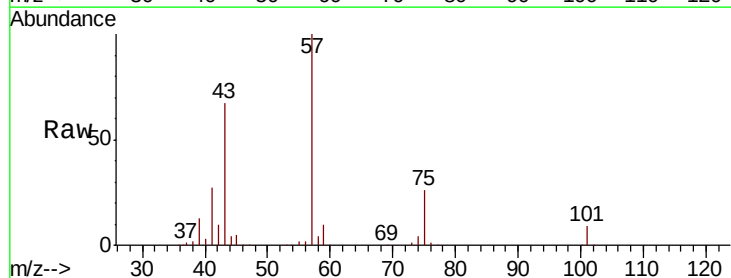
Tgt Ion: 75 Resp: 40931

Ion Ratio Lower Upper

75 100

77 0.8 24.6 36.8#

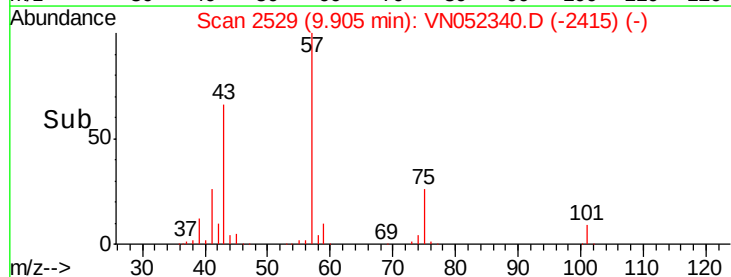
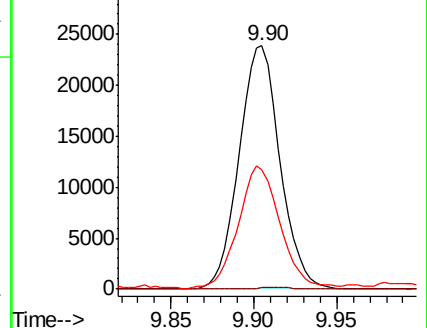
39 48.6 49.9 74.9#

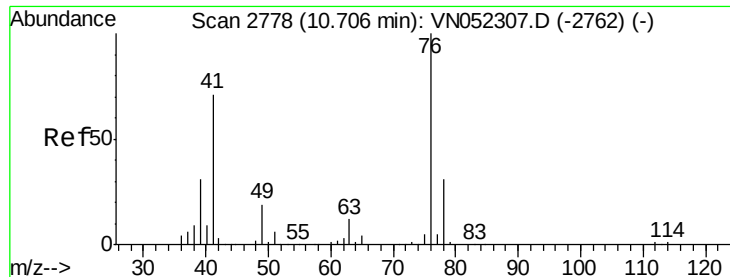


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

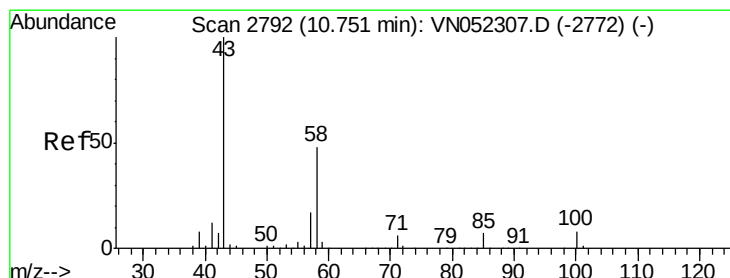
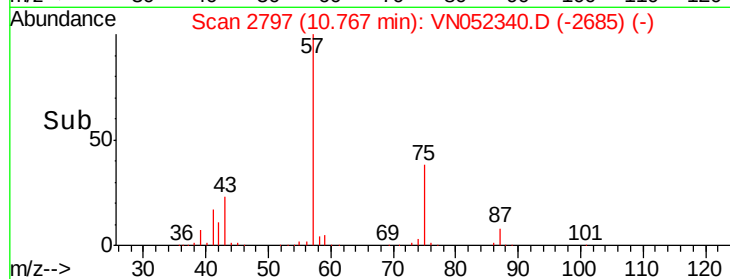
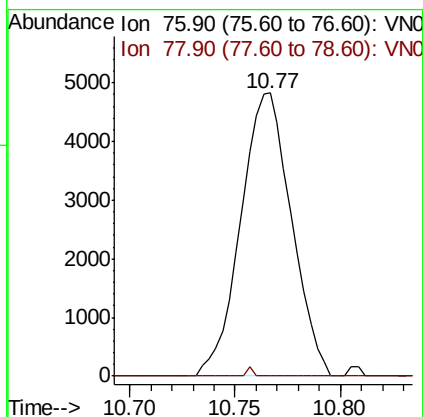
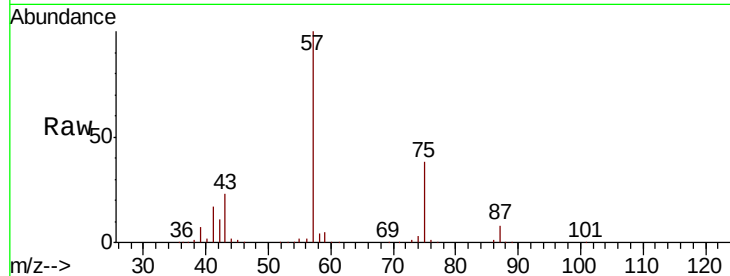




#57
 1,3-Dichloropropane
 Concen: 1.372 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

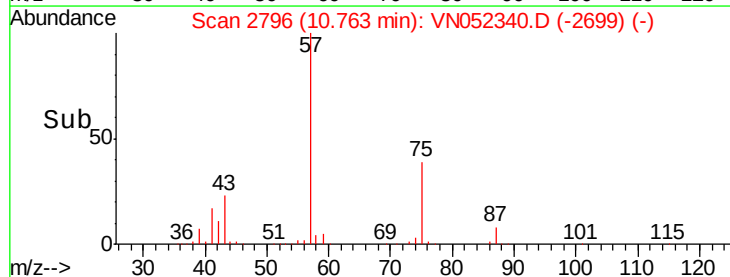
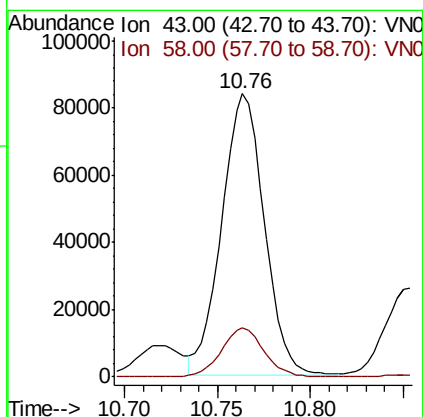
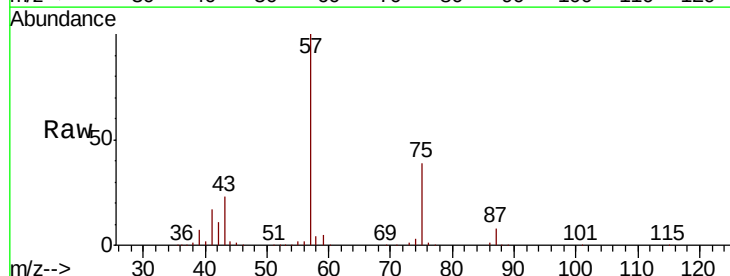
Instrument :
 MSVOA_N
 ClientSampled :

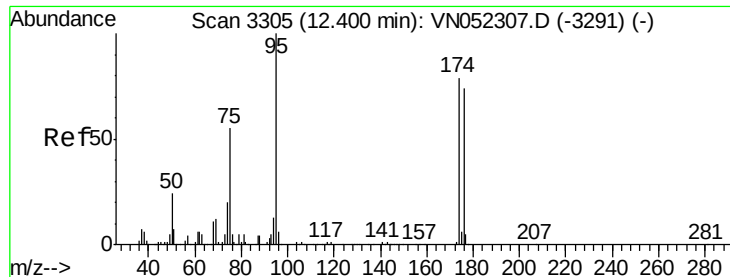
Tot Ion: 76 Resp: 8063
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#



#59
 2-Hexanone
 Concen: 51.574 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

Tgt Ion: 43 Resp: 133966
 Ion Ratio Lower Upper
 43 100
 58 17.4 23.5 70.6#

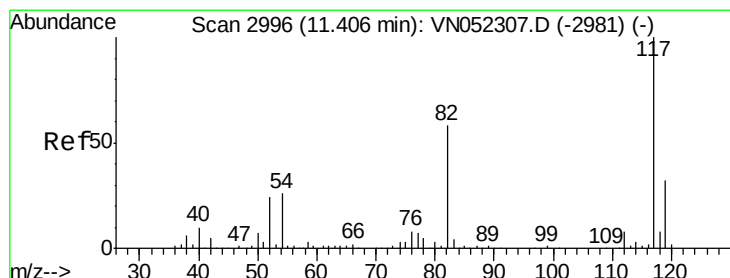
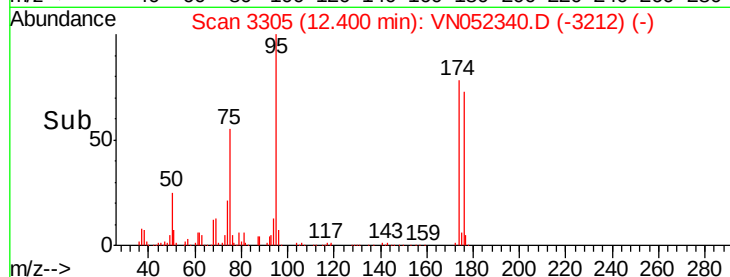
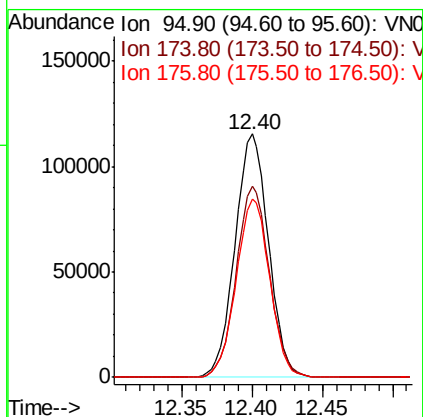
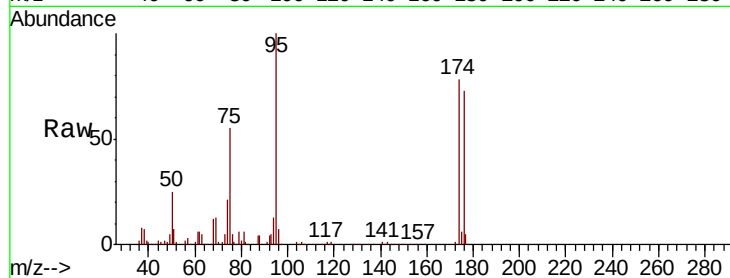




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

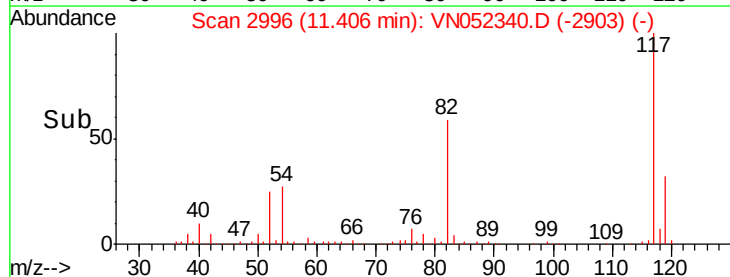
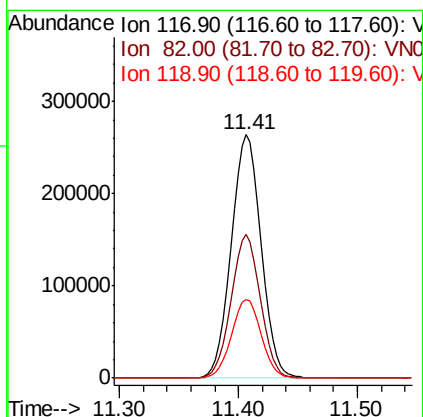
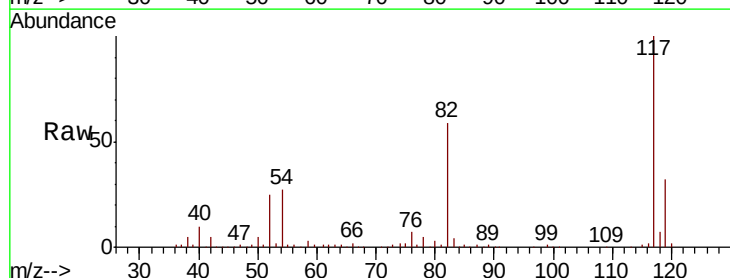
Instrument :
MSVOA_N
ClientSampleId :

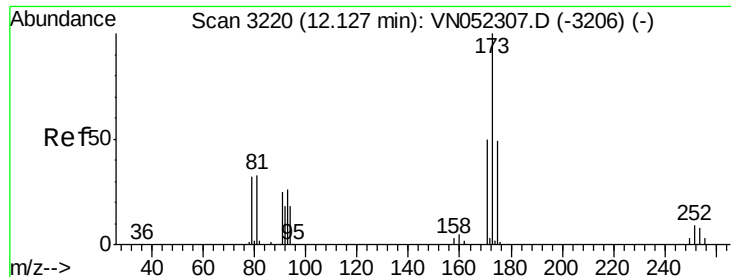
Tot Ion: 95 Resp: 192188
Ion Ratio Lower Upper
95 100
174 77.6 0.0 156.0
176 73.3 0.0 148.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052340.D
Acq: 15 Nov 2018 14:26

Tgt Ion: 117 Resp: 458335
Ion Ratio Lower Upper
117 100
82 58.8 46.5 69.7
119 32.4 25.7 38.5





#71

Bromoform

Concen: 0.230 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

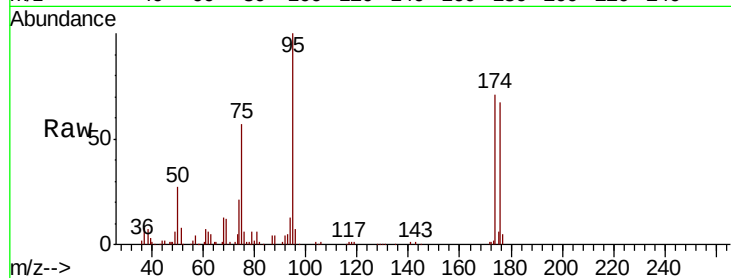
Tot Ion:173 Resp: 449

Ion Ratio Lower Upper

173 100

175 0.0 25.0 75.0#

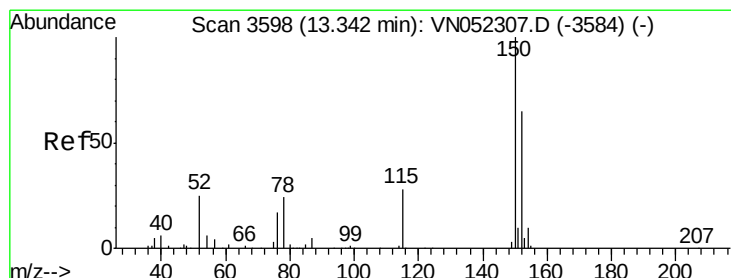
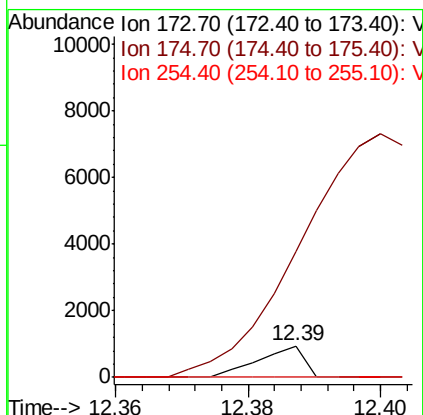
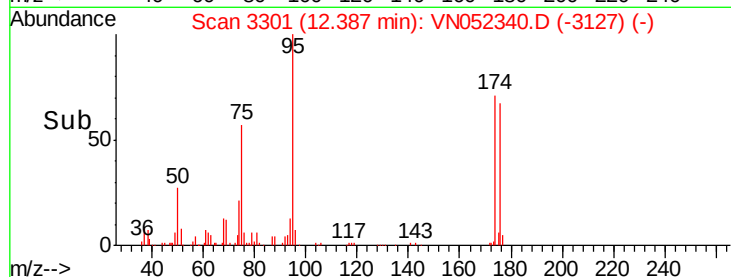
254 0.0 0.0 0.0



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: VN052340.D

Acq: 15 Nov 2018 14:26

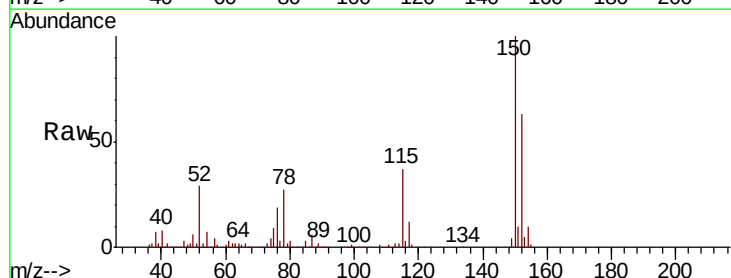
Tgt Ion:152 Resp: 154281

Ion Ratio Lower Upper

152 100

115 59.2 30.3 91.0

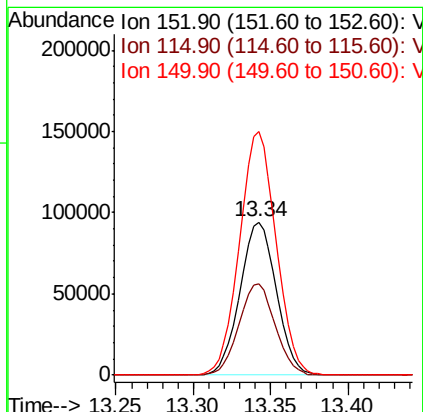
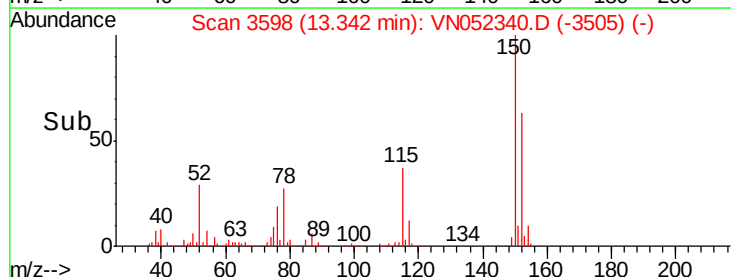
150 159.5 0.0 348.2

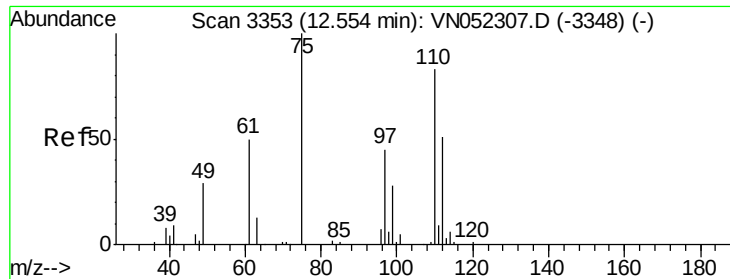


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

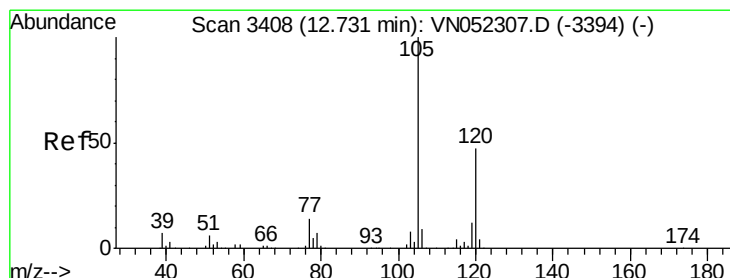
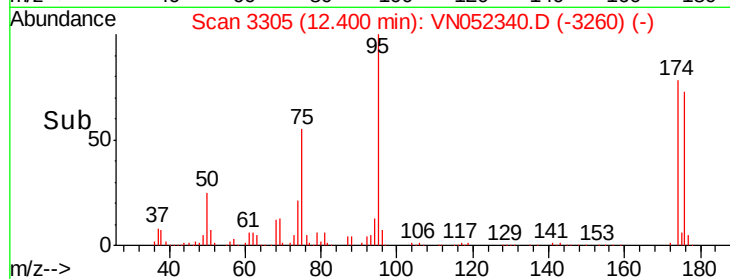
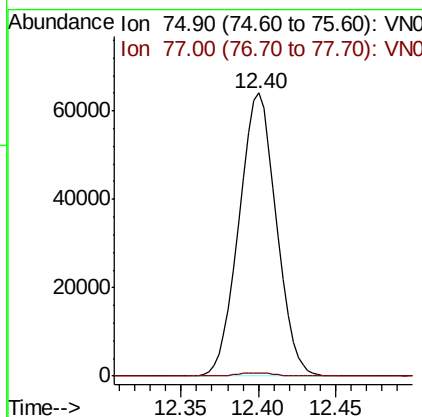
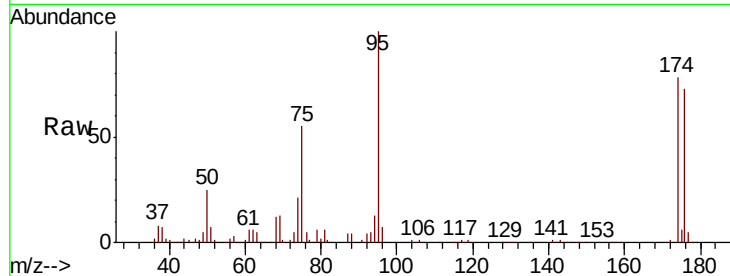




#76
 1,2,3-Trichloropropane
 Concen: 41.104 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

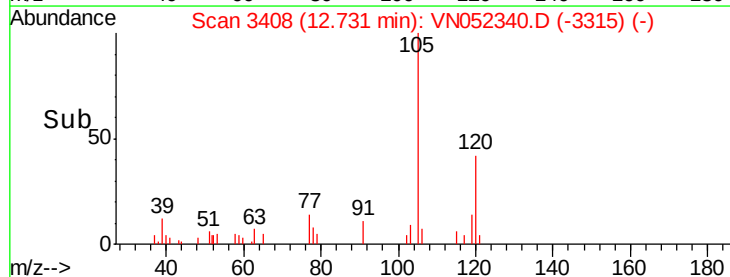
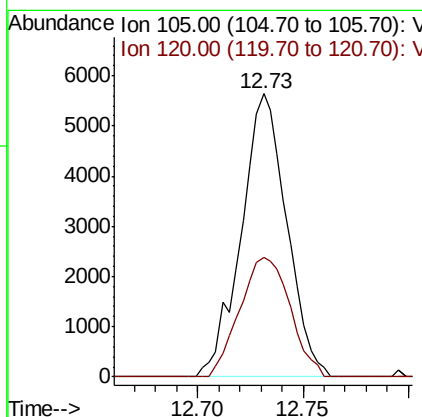
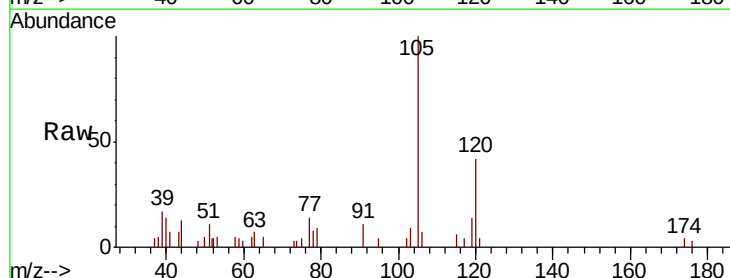
Instrument :
 MSVOA_N
 ClientSampled :

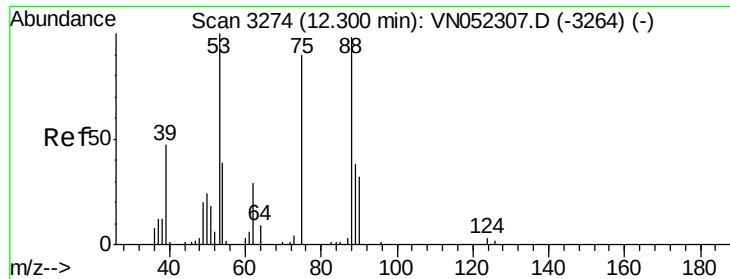
Tot Ion: 75 Resp: 107605
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.856 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052340.D
 Acq: 15 Nov 2018 14:26

Tgt Ion: 105 Resp: 8447
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 133.317 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

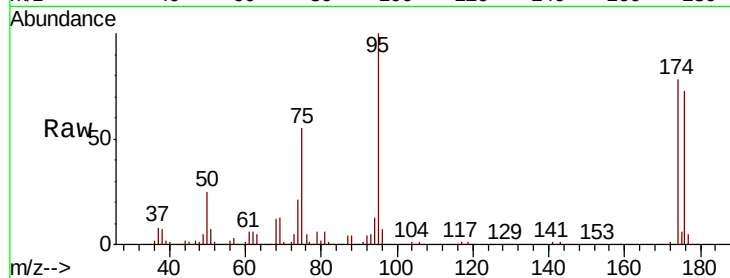
Tot Ion: 75 Resp: 107605

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

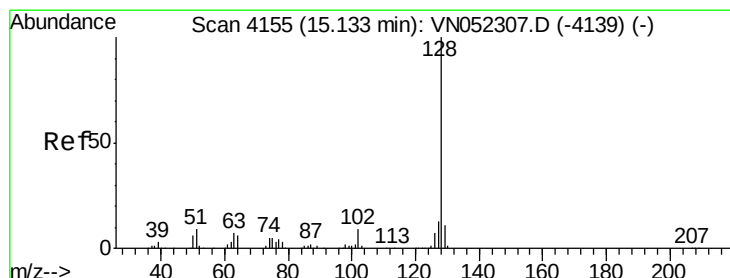
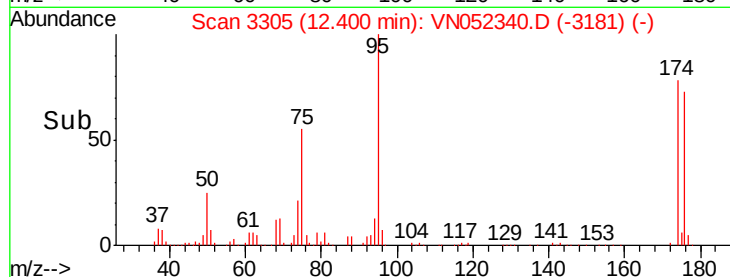
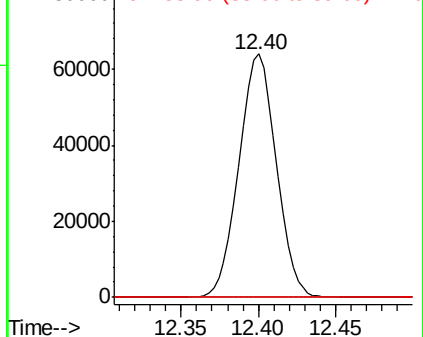
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#95

Naphthalene

Concen: 2.610 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052340.D

Acq: 15 Nov 2018 14:26

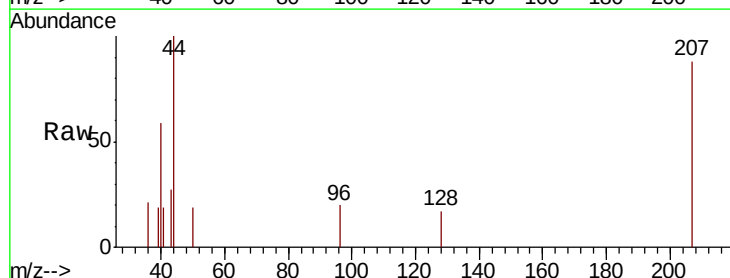
Tgt Ion:128 Resp: 33

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN052307.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

