

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052417.D
 Acq On : 20 Nov 2018 19:32
 Operator : MD\SY
 Sample : J6010-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

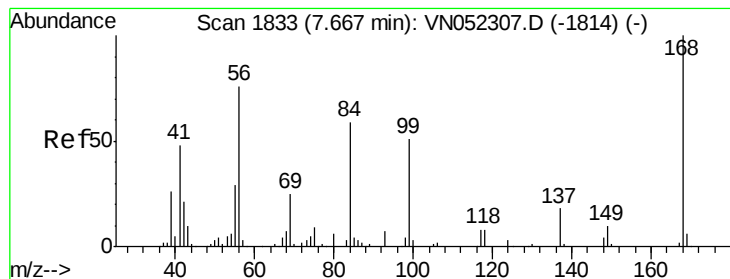
Quant Time: Nov 20 23:57:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	302755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	510866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145913	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	226623	53.00	ug/l	0.00
Spiked Amount			Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	166941	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	10.09	98	648107	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	188261	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.56	41	29204	4.564	ug/l #	22
16) Acetone	3.82	43	6591	5.598	ug/l	95
18) Methyl Acetate	4.32	43	127	0.470	ug/l #	57
20) Methylene Chloride	4.56	84	619469	174.697	ug/l	98
29) Tetrahydrofuran	7.22	42	455	0.418	ug/l #	40
31) Cyclohexane	7.67	56	9533	0.415	ug/l #	40
36) 1,1-Dichloropropene	7.66	75	28996	5.663	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32830	6.979	ug/l #	15
41) Methacrylonitrile	7.18	41	29	3.708	ug/l #	100
43) Isopropyl Acetate	8.17	43	20159	2.811	ug/l #	88
48) Methyl methacrylate	9.18	41	5159	1.418	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	2543	0.705	ug/l #	75
54) cis-1,3-Dichloropropene	9.91	75	24939	4.398	ug/l #	78
57) 1,3-Dichloropropane	10.76	76	4128	0.735	ug/l #	43
59) 2-Hexanone	10.76	43	75721	30.498	ug/l #	56
73) Isopropylbenzene	12.25	105	10962	0.934	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	109739	44.323	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	109739	143.758	ug/l #	5
90) Hexachloroethane	14.00	117	503	0.299	ug/l #	14
95) Naphthalene	15.13	128	1304	2.844	ug/l #	72

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

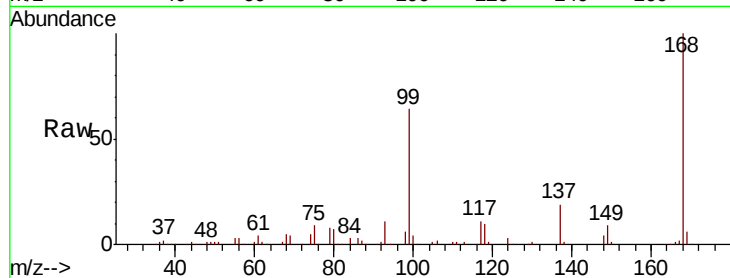
ClientSampled :

Tot Ion:168 Resp: 302755

Ion Ratio Lower Upper

168 100

99 63.7 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

100000

50000

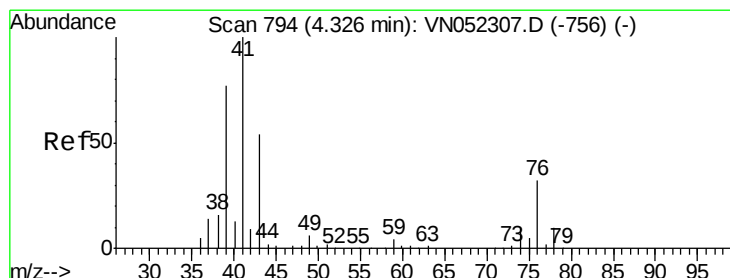
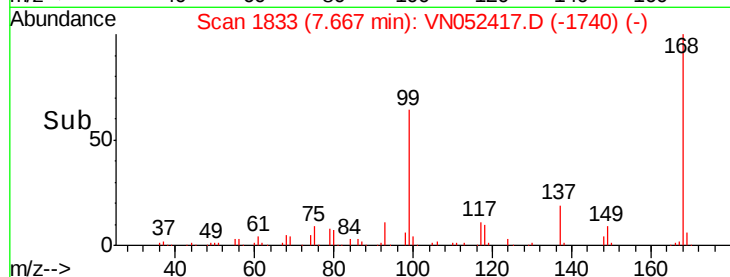
0

Time-->

7.60

7.70

7.80



#14

Allyl chloride

Concen: 4.564 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.23 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

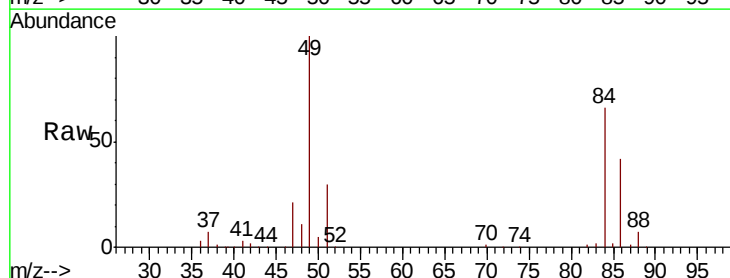
Tgt Ion: 41 Resp: 29204

Ion Ratio Lower Upper

41 100

39 0.1 59.1 88.7#

76 0.0 24.1 36.1#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.56

10000

5000

0

Time-->

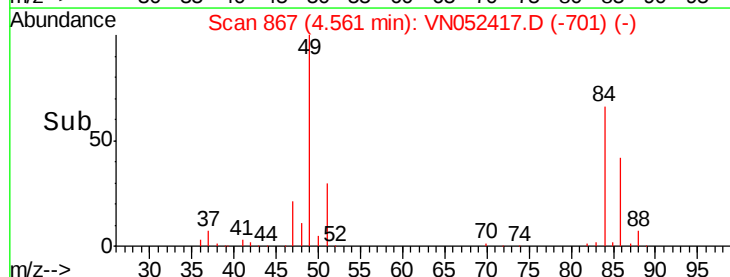
4.45

4.50

4.55

4.60

4.65





#16

Acetone

Concen: 5.598 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

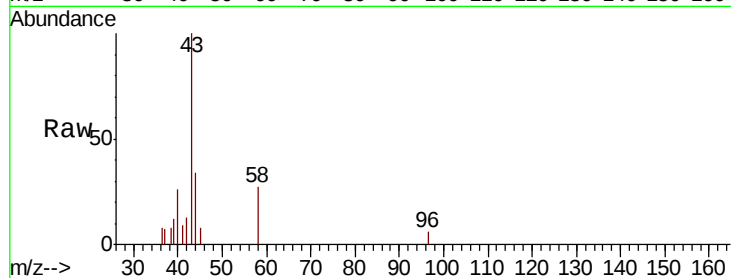
ClientSampled :

Tot Ion: 43 Resp: 6591

Ion Ratio Lower Upper

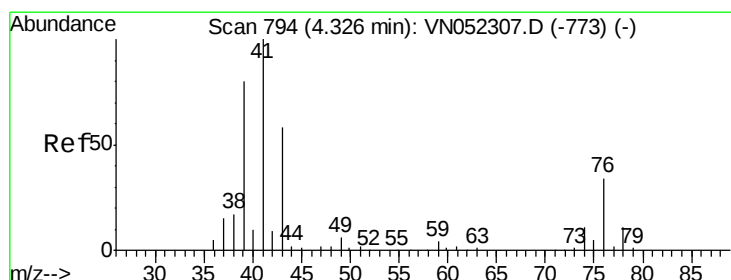
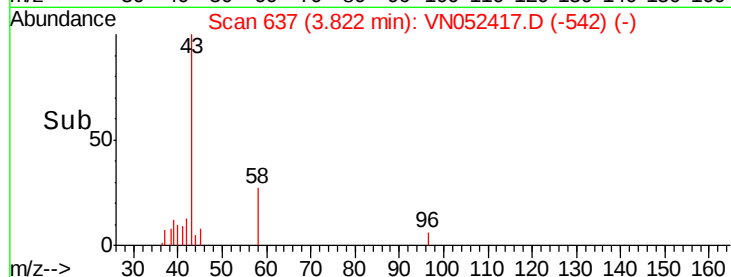
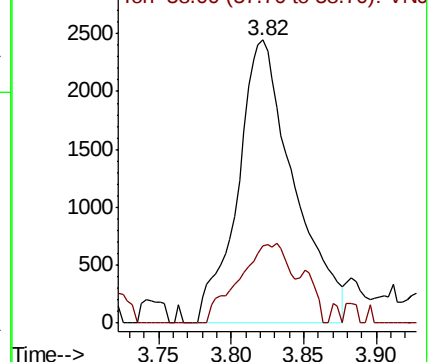
43 100

58 27.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.470 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052417.D

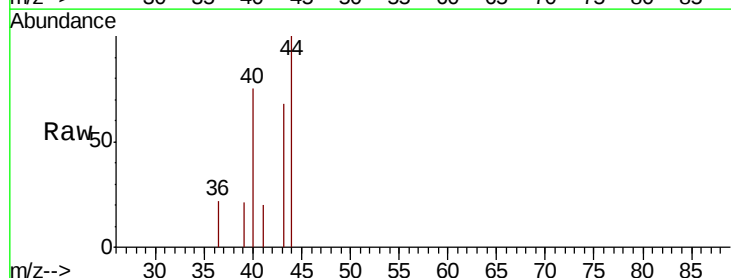
Acq: 20 Nov 2018 19:32

Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

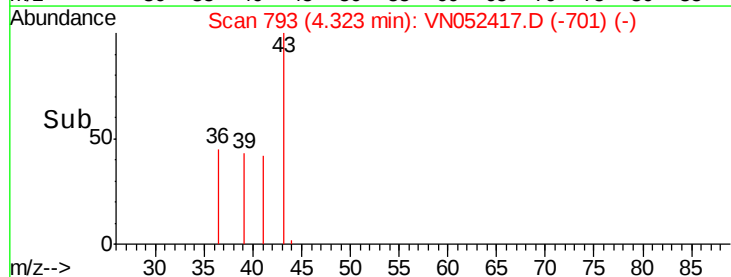
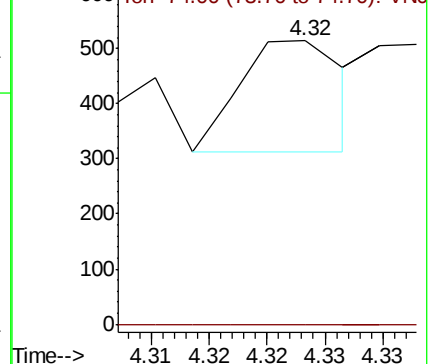
43 100

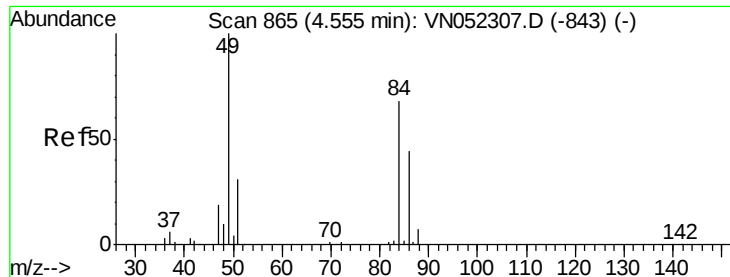
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

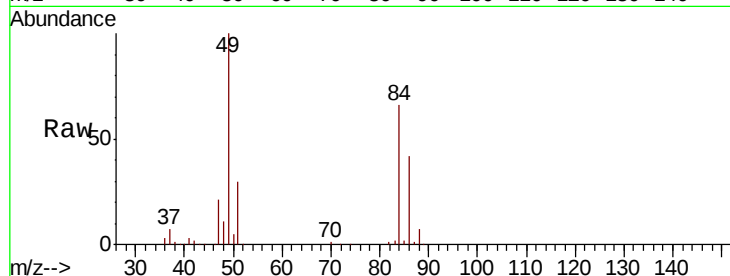




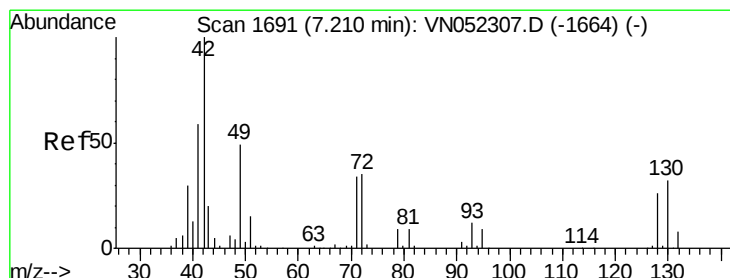
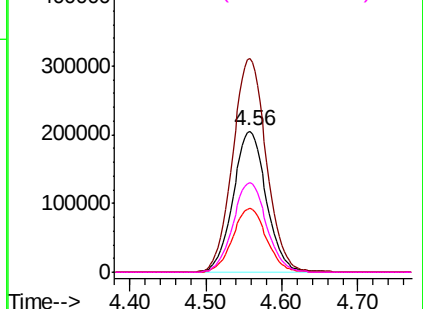
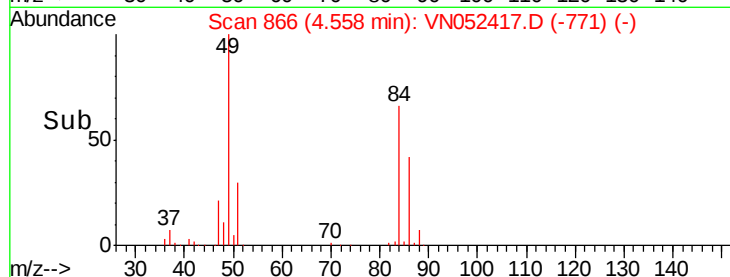
#20
Methvlene Chloride
Concen: 174.697 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 619469
Ion Ratio Lower Upper
84 100
49 151.7 118.2 177.2
51 45.4 36.1 54.1
86 63.9 51.6 77.4

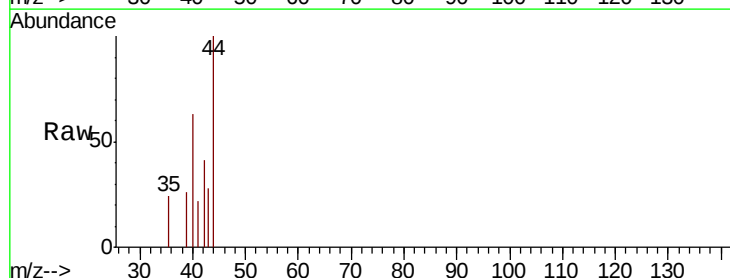


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

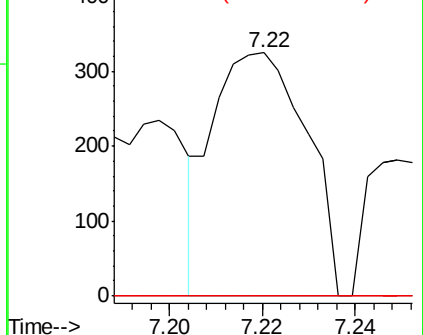
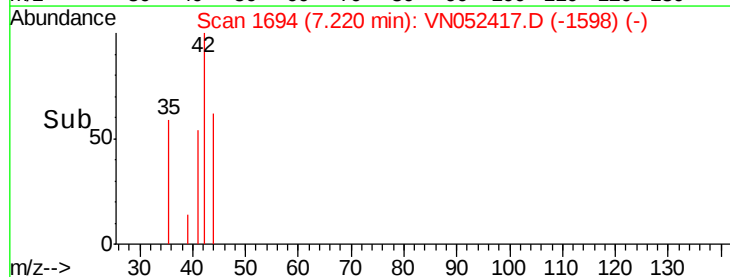


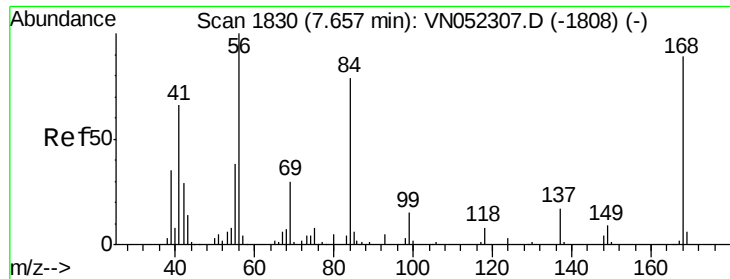
#29
Tetrahydrofuran
Concen: 0.418 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Tgt Ion: 42 Resp: 455
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#



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

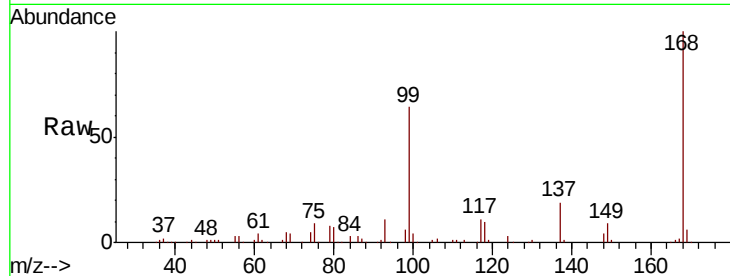




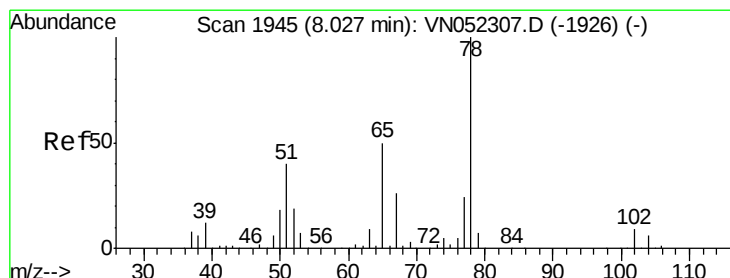
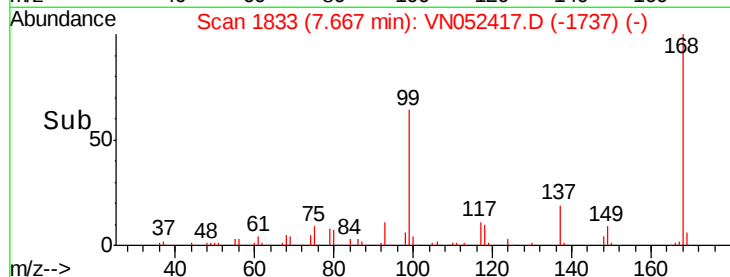
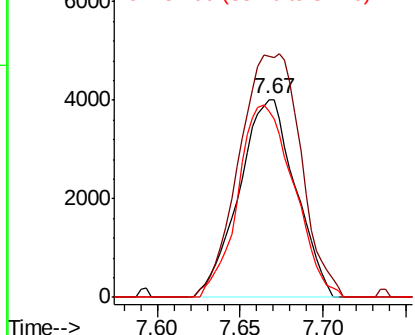
#31
Cyclohexane
Concen: 0.415 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9533
Ion Ratio Lower Upper
56 100
69 122.1 23.8 35.8#
84 94.0 63.0 94.6

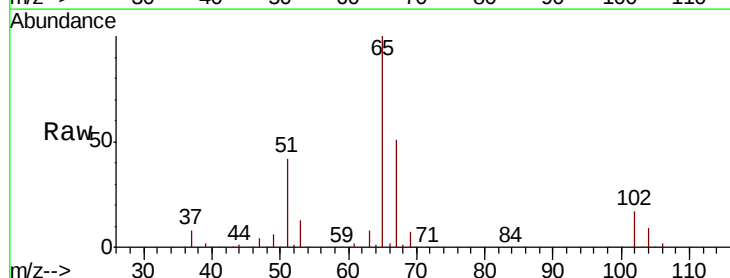


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

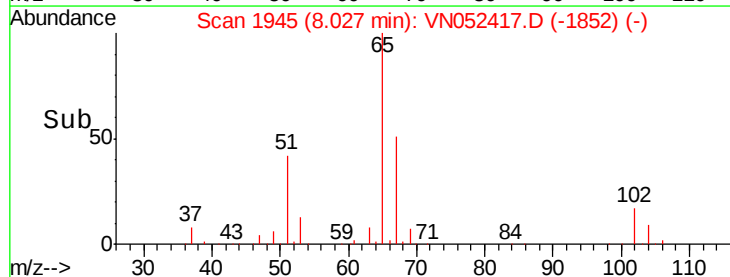
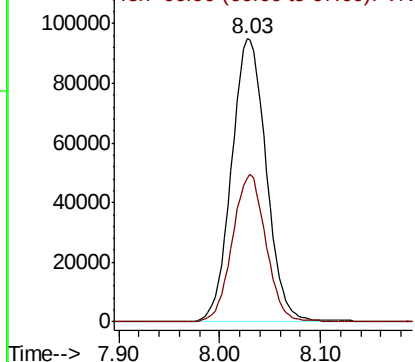


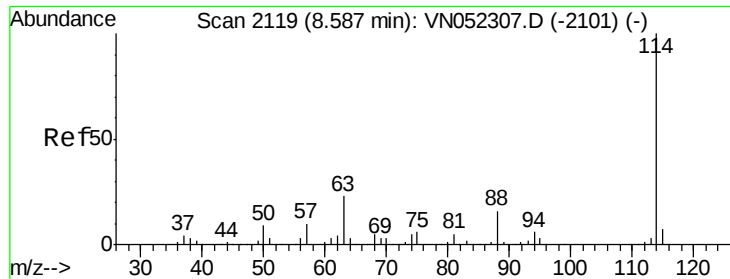
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Tgt Ion: 65 Resp: 226623
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.2



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

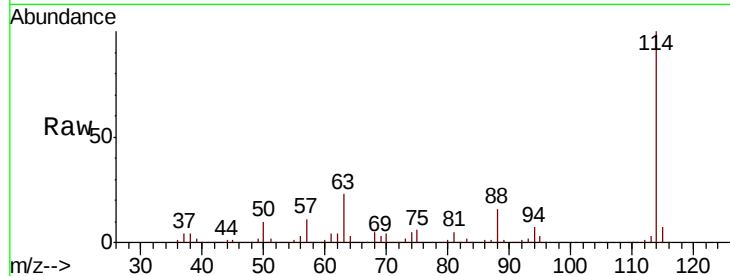




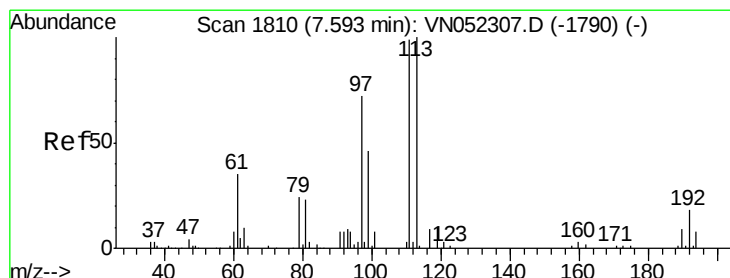
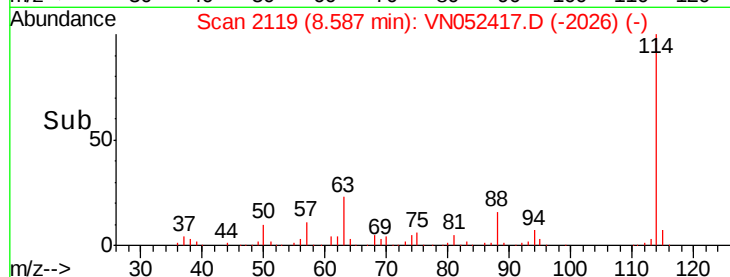
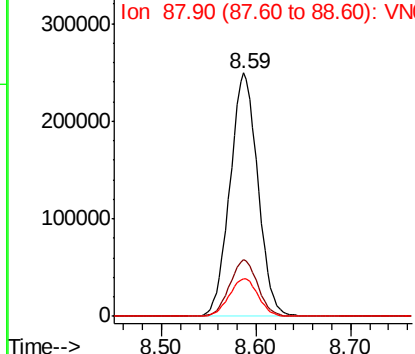
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.4
88	15.5	0.0	31.2

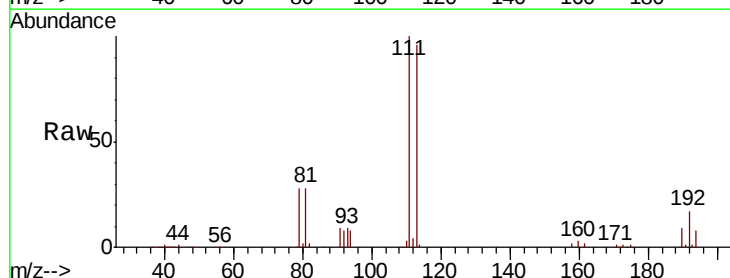


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

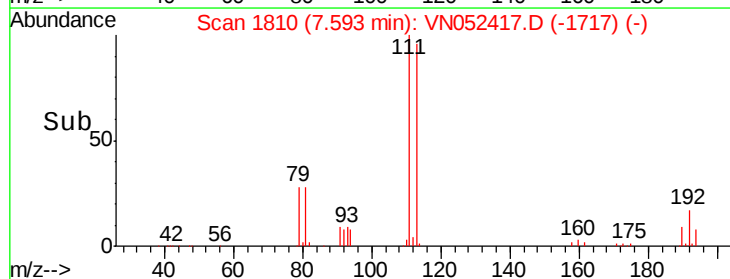
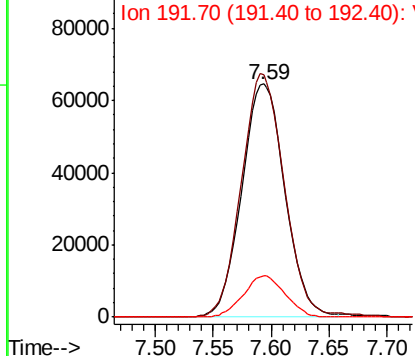


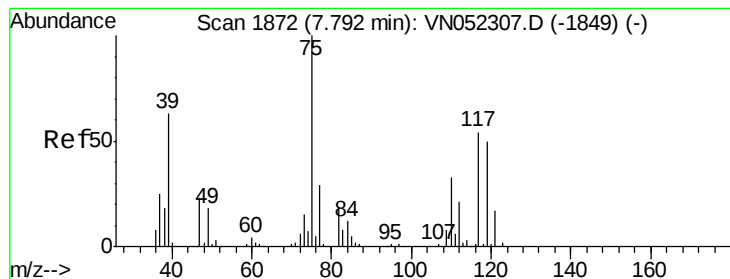
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	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: 5.663 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

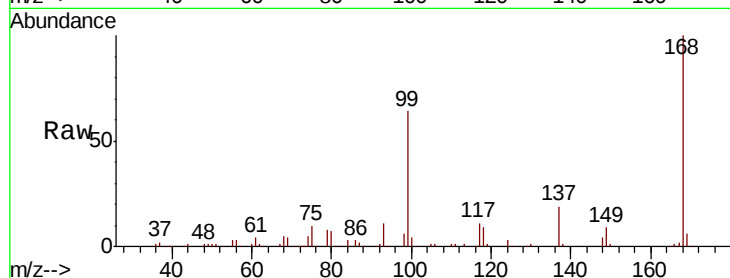
Tot Ion: 75 Resp: 28996

Ion Ratio Lower Upper

75 100

110 9.0 16.5 49.5#

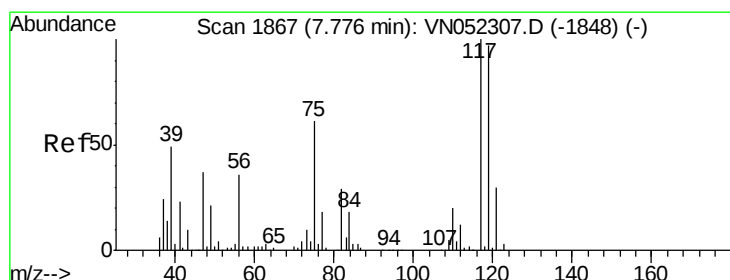
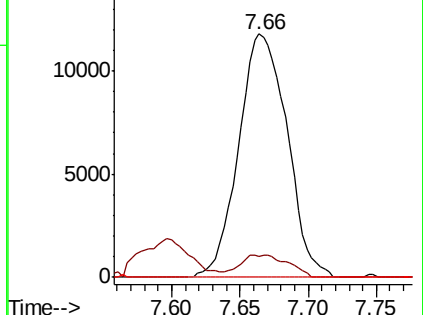
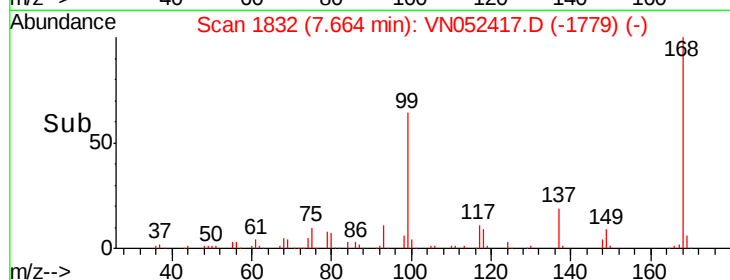
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052417.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052417.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052417.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.979 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

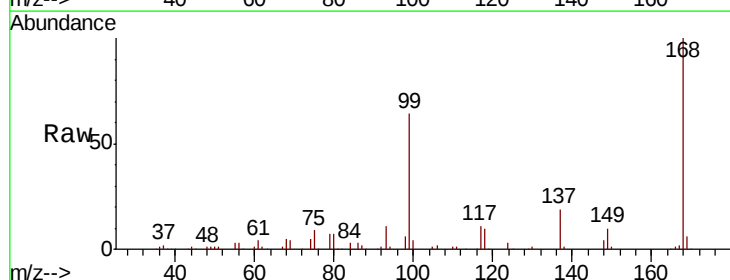
Tgt Ion: 117 Resp: 32830

Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

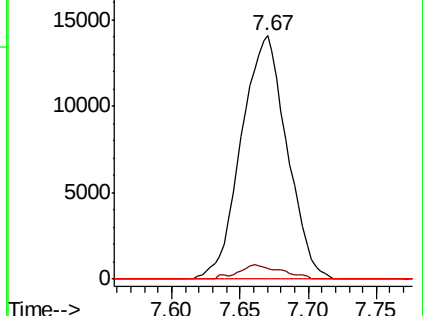
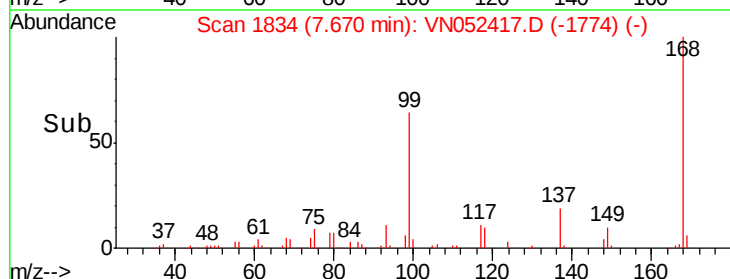
121 0.0 24.0 36.0#

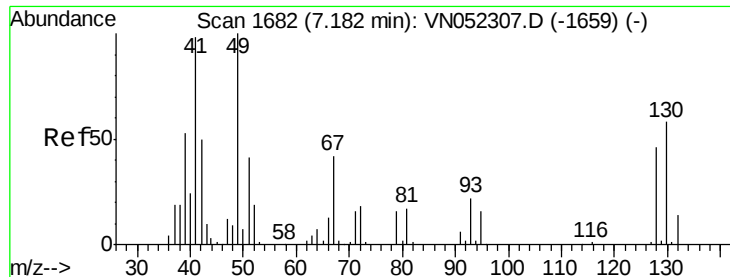


Abundance Ion 116.80 (116.50 to 117.50): VN052417.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052417.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052417.D (-1774) (-)

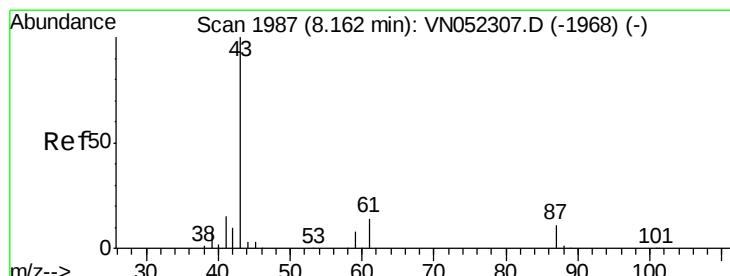
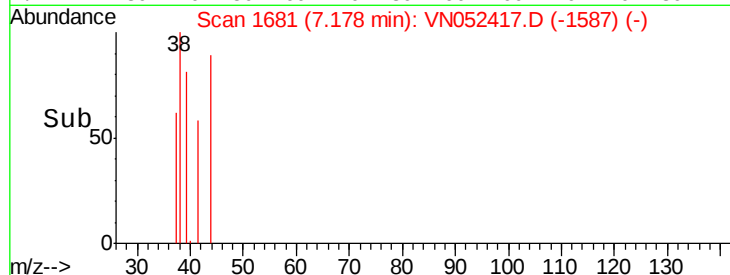
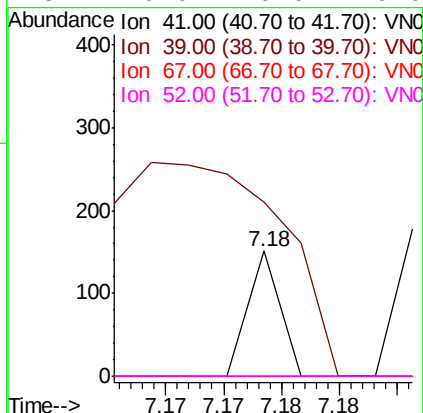
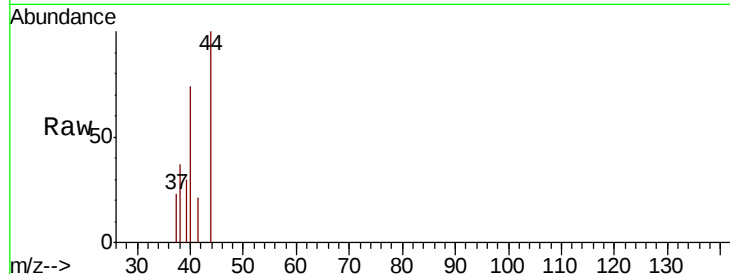




#41
Methacrylonitrile
Concen: 3.708 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

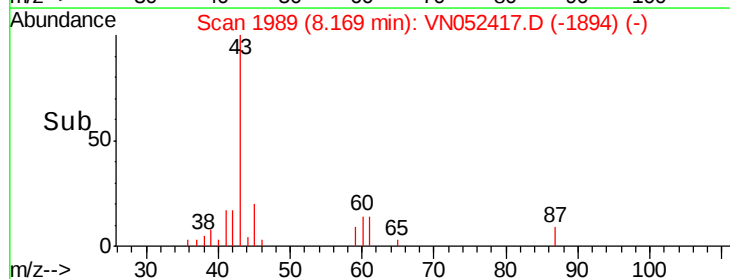
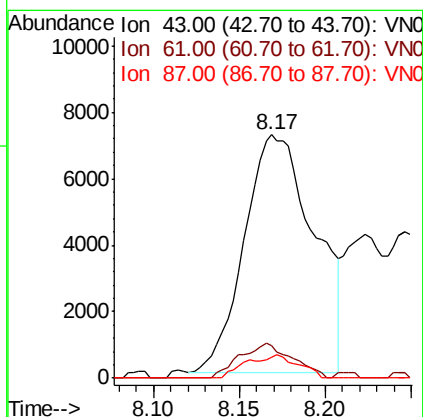
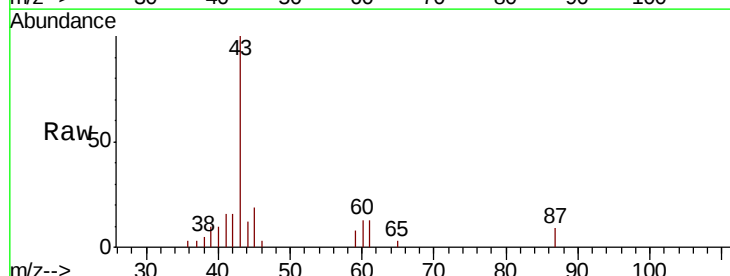
Instrument :
MSVOA_N
ClientSampled :

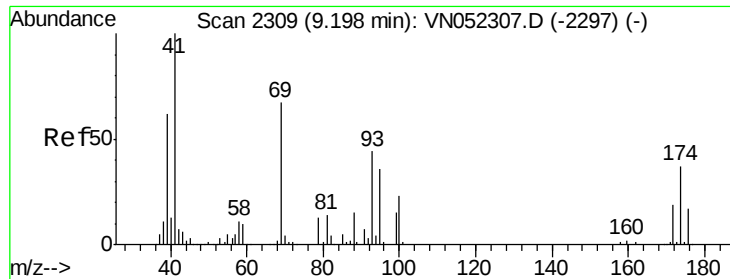
Tot Ion:	41	Resp:	29
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.811 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Tgt Ion:	43	Resp:	20159
Ion	Ratio	Lower	Upper
43	100		
61	11.1	12.0	18.0#
87	4.5	8.3	12.5#

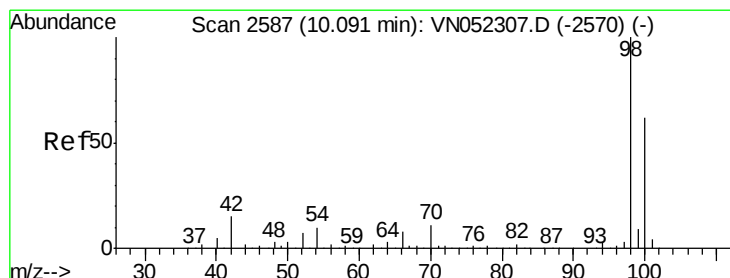
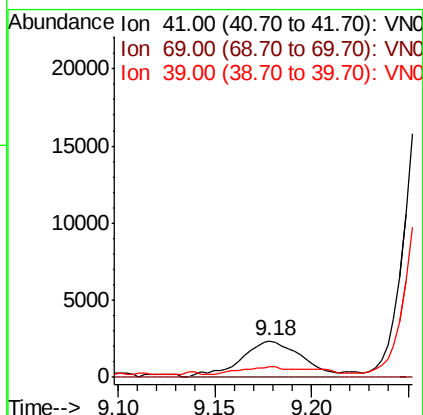
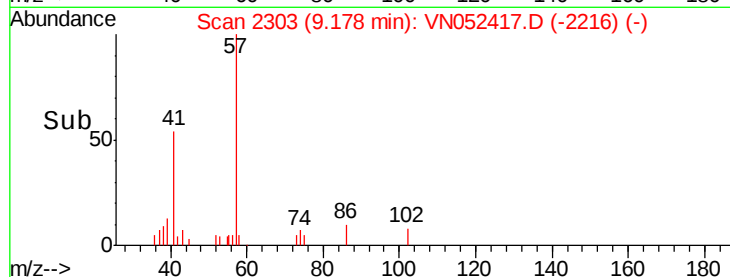
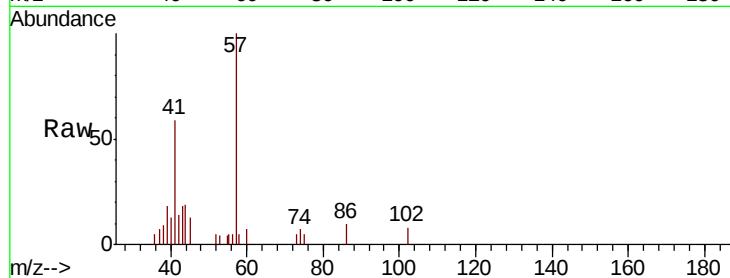




#48
Methvl methacrylate
Concen: 1.418 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

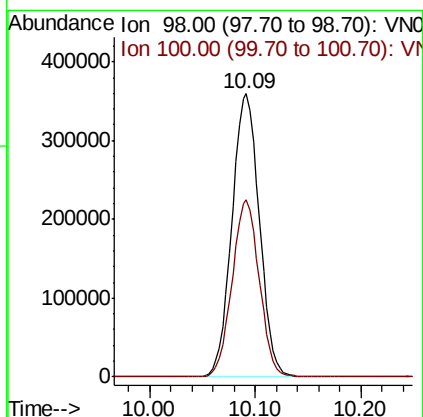
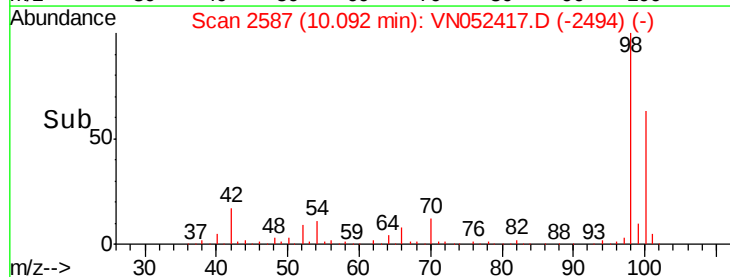
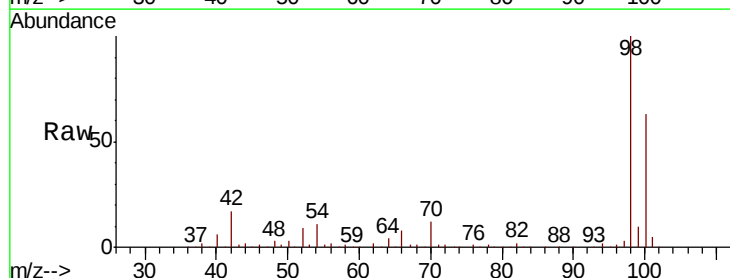
Instrument :
MSVOA_N
ClientSampled :

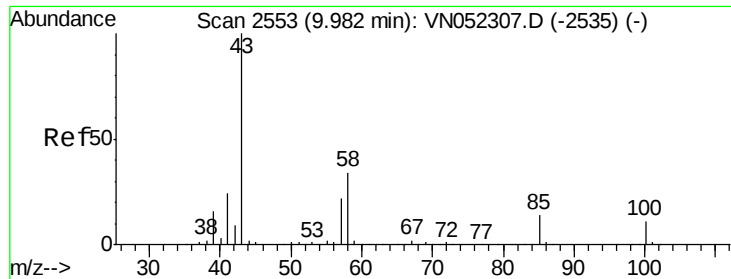
Tot Ion: 41 Resp: 5159
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Tgt Ion: 98 Resp: 648107
Ion Ratio Lower Upper
98 100
100 61.7 49.5 74.3





#51

4-Methyl-2-Pentanone

Concen: 0.705 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

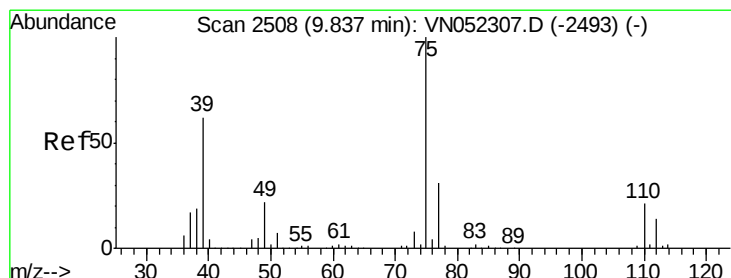
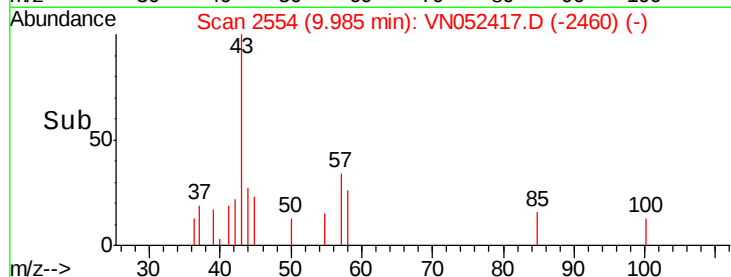
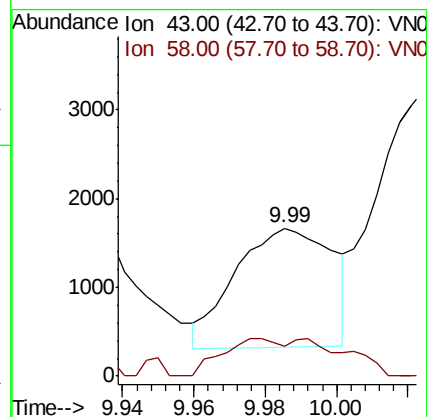
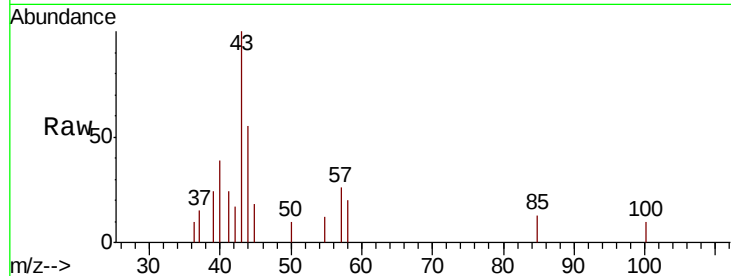
ClientSampled :

Tot Ion: 43 Resp: 2543

Ion Ratio Lower Upper

43 100

58 19.7 27.0 40.6#



#54

cis-1,3-Dichloropropene

Concen: 4.398 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

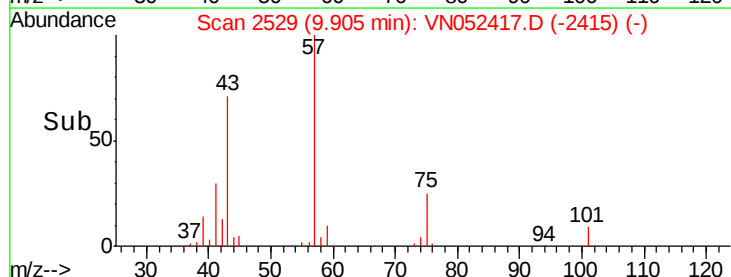
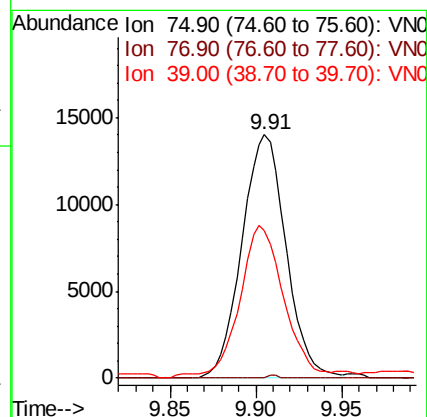
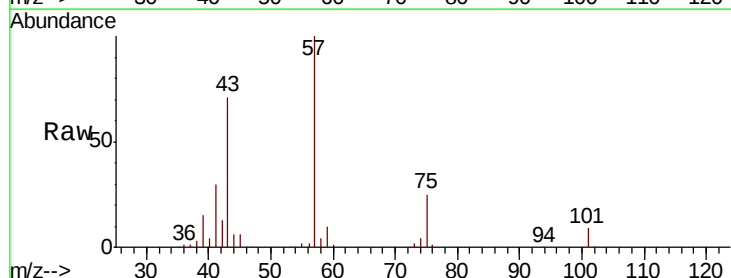
Tgt Ion: 75 Resp: 24939

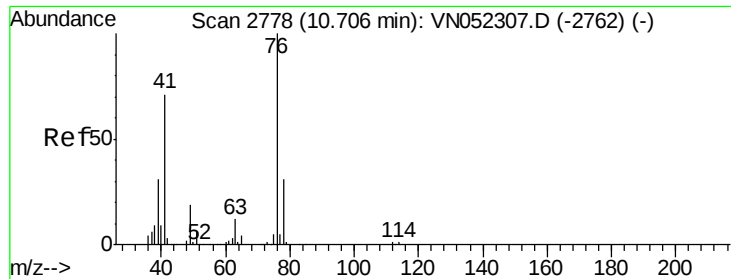
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 58.9 49.9 74.9

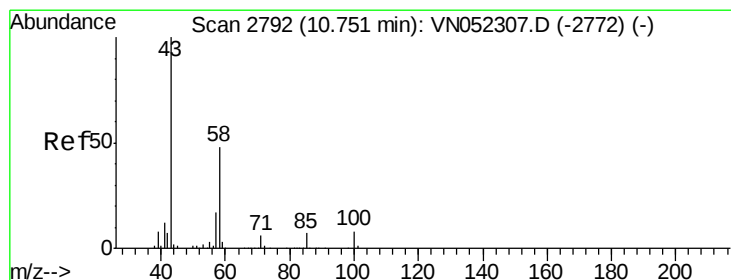
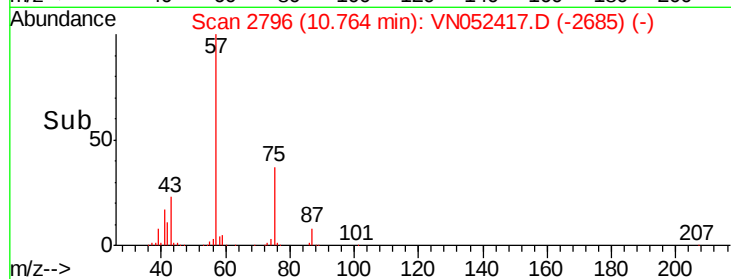
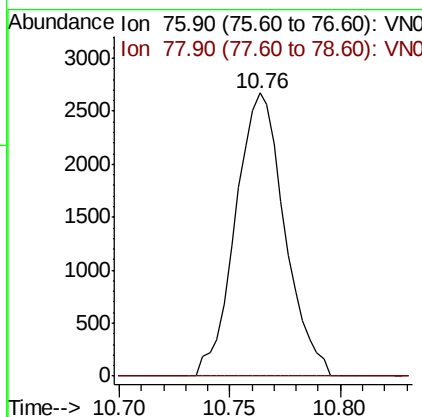
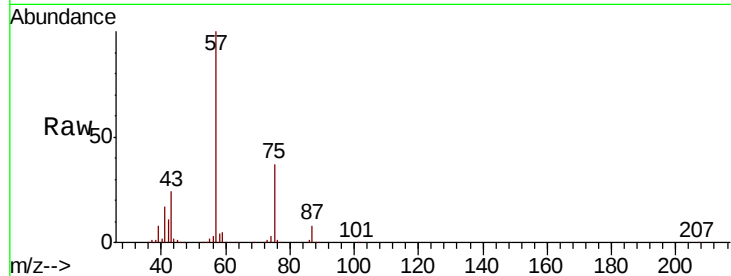




#57
 1,3-Dichloropropane
 Concen: 0.735 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

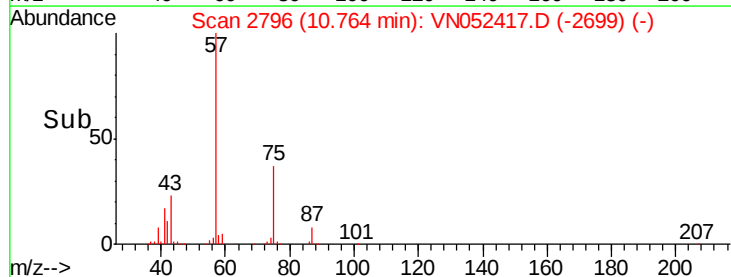
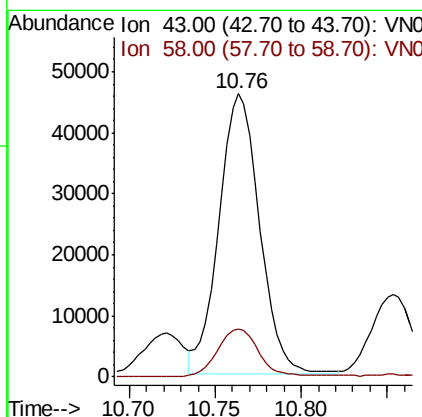
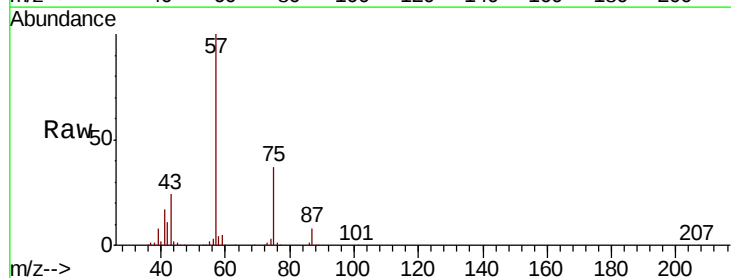
Instrument :
 MSVOA_N
 ClientSampleId :

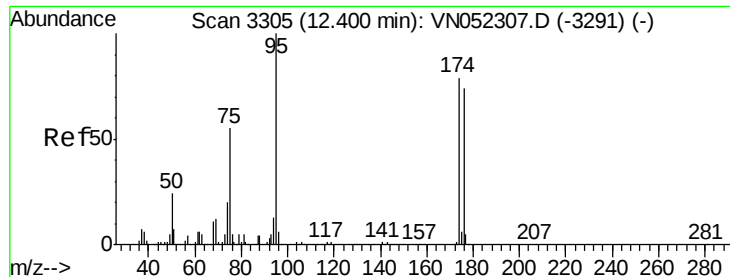
Tot Ion: 76 Resp: 4128
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 30.498 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

Tgt Ion: 43 Resp: 75721
 Ion Ratio Lower Upper
 43 100
 58 17.5 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: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

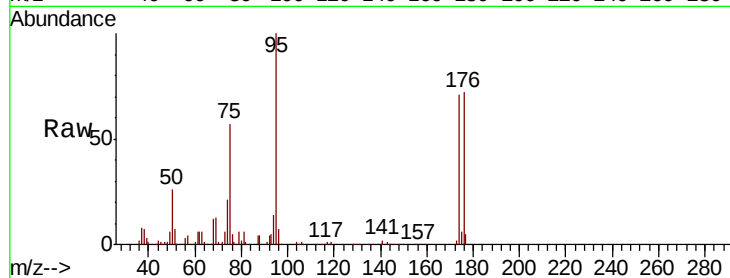
Tot Ion: 95 Resp: 188261

Ion Ratio Lower Upper

95 100

174 75.1 0.0 156.0

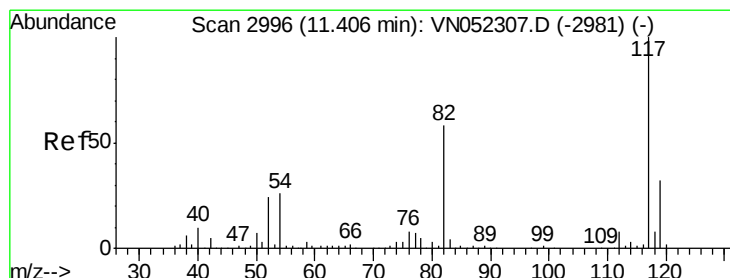
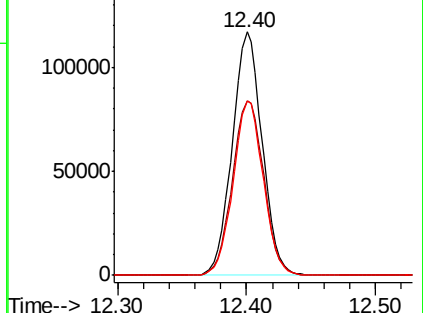
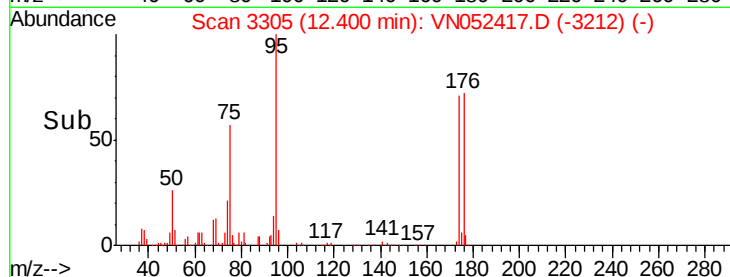
176 72.4 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

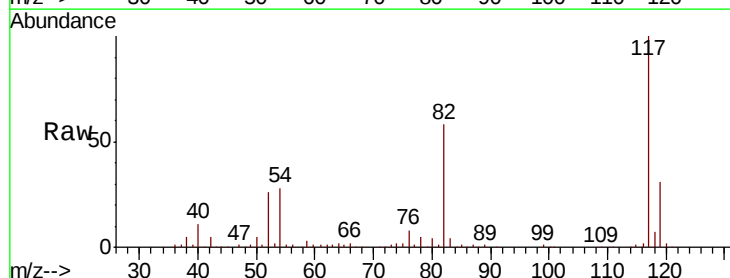
Tgt Ion: 117 Resp: 436738

Ion Ratio Lower Upper

117 100

82 58.4 46.5 69.7

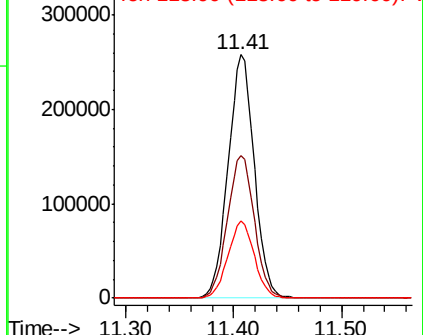
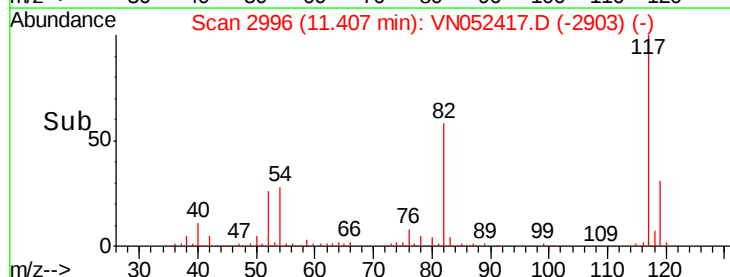
119 31.5 25.7 38.5

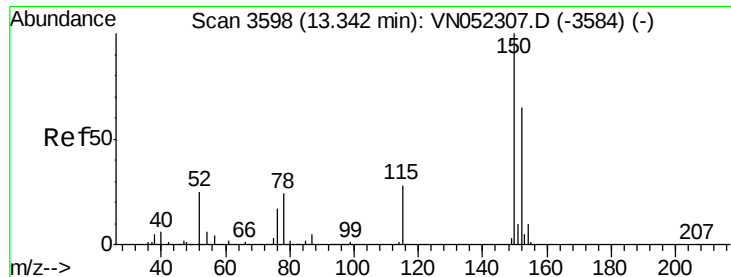


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052417.D

Acq: 20 Nov 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

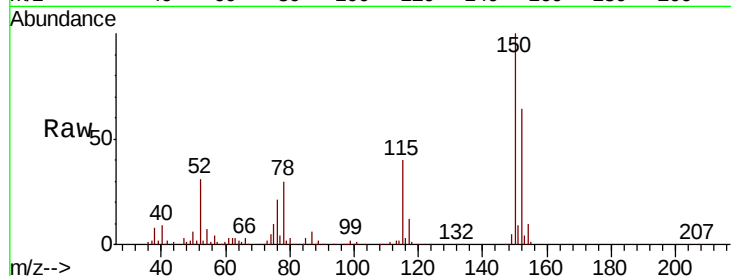
Tot Ion:152 Resp: 145913

Ion Ratio Lower Upper

152 100

115 63.0 30.3 91.0

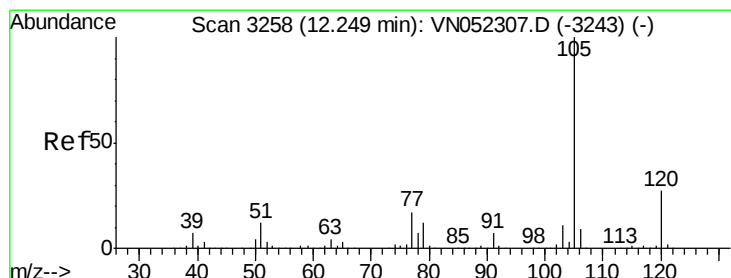
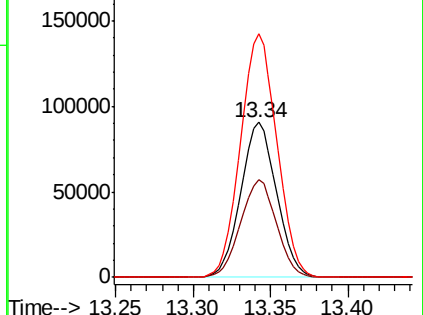
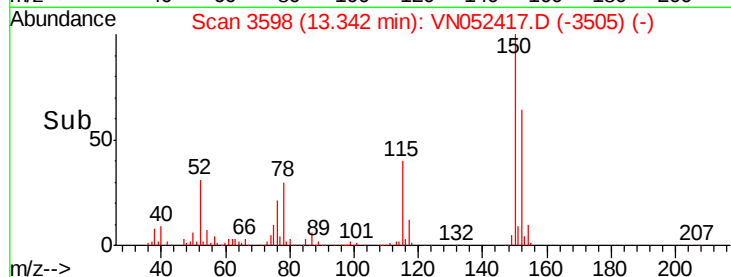
150 159.4 0.0 348.2



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



#73

Isopropylbenzene

Concen: 0.934 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052417.D

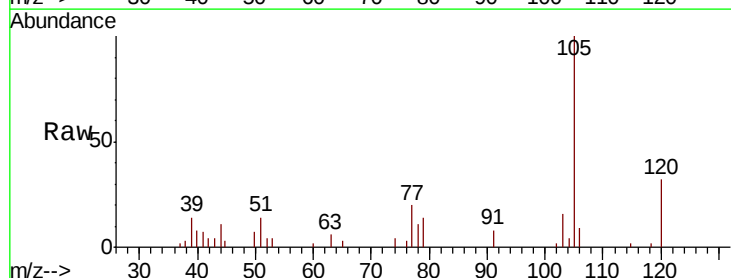
Acq: 20 Nov 2018 19:32

Tgt Ion:105 Resp: 10962

Ion Ratio Lower Upper

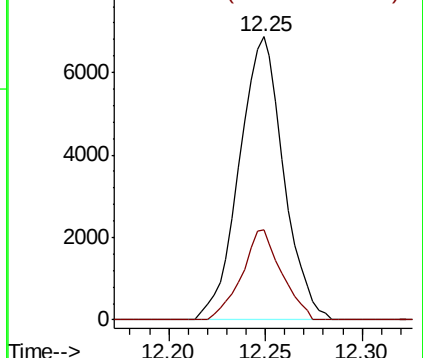
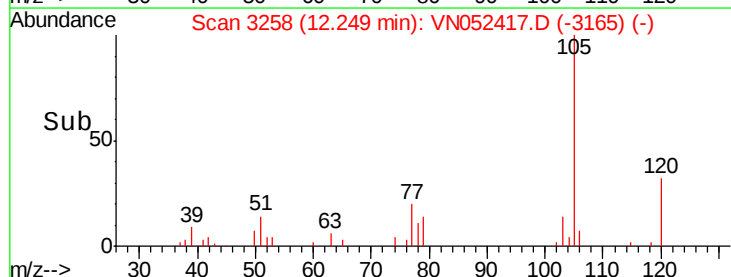
105 100

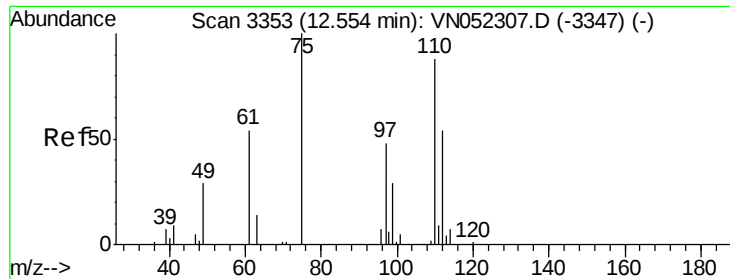
120 28.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

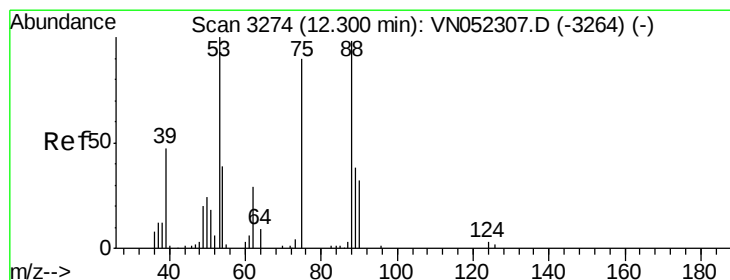
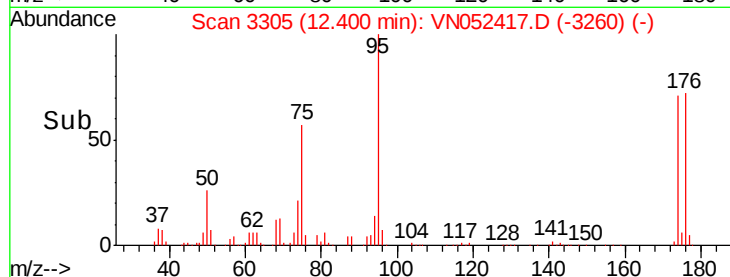
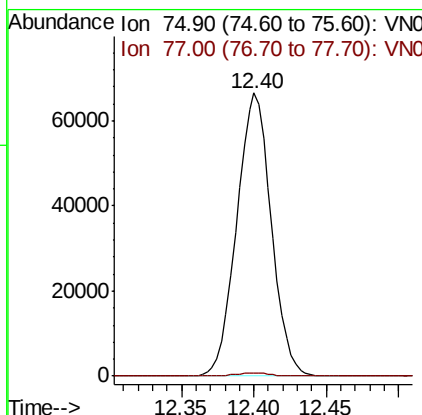
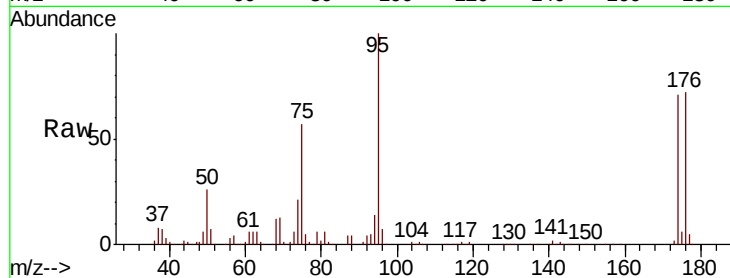




#76
 1,2,3-Trichloropropane
 Concen: 44.323 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

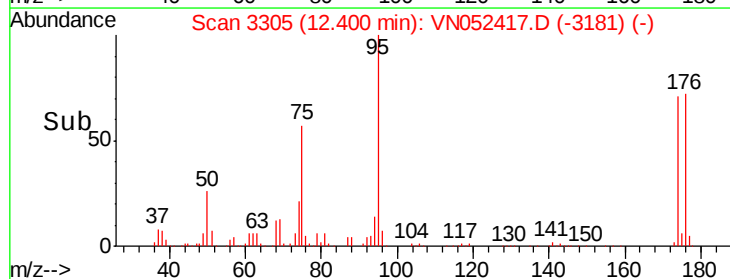
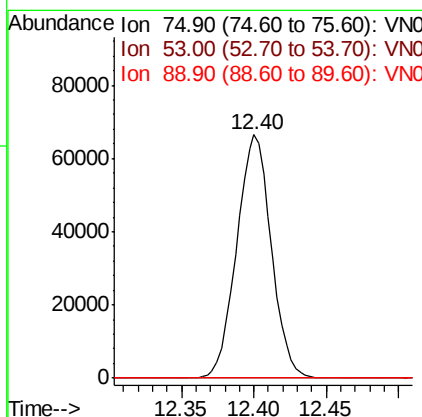
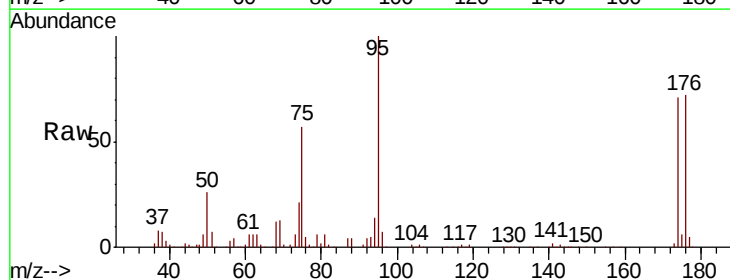
Instrument :
 MSVOA_N
 ClientSampled :

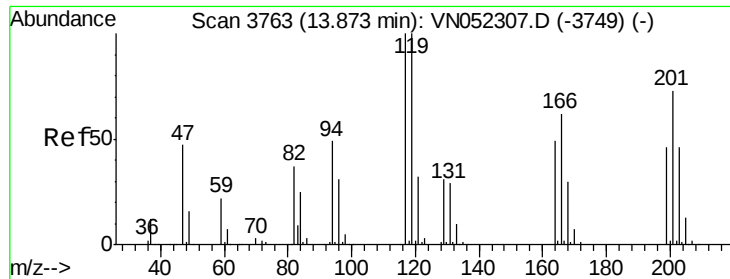
Tot Ion: 75 Resp: 109739
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.758 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052417.D
 Acq: 20 Nov 2018 19:32

Tgt Ion: 75 Resp: 109739
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.2 135.2#
 89 0.0 35.4 53.0#

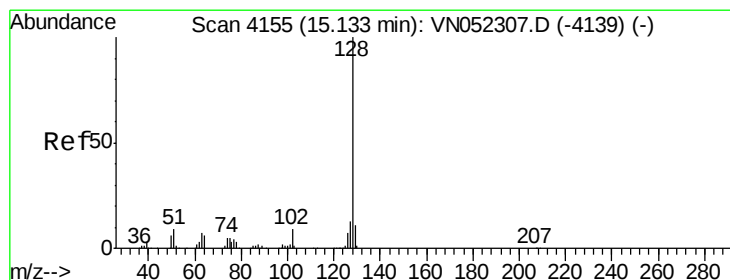
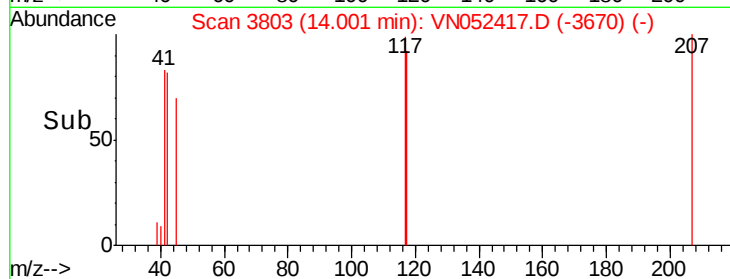
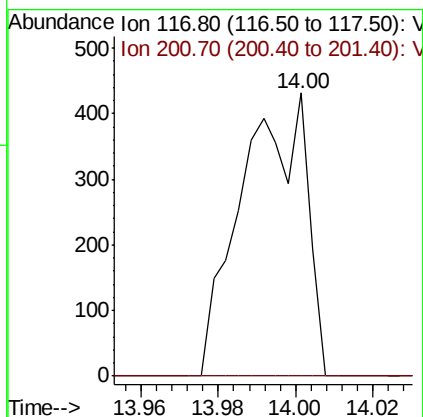
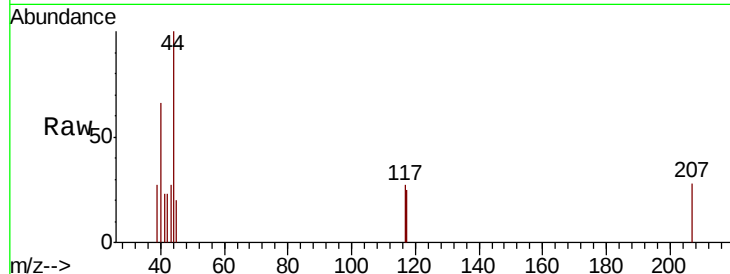




#90
Hexachloroethane
Concen: 0.299 ug/l
RT: 14.00 min Scan# 3803
Delta R.T. 0.13 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 503
Ion Ratio Lower Upper
117 100
201 0.0 35.3 105.9#



#95
Naphthalene
Concen: 2.844 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052417.D
Acq: 20 Nov 2018 19:32

Tgt Ion:128 Resp: 1304
Ion Ratio Lower Upper
128 100
127 2.4 10.4 15.6#
129 0.0 8.6 13.0#

