

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052369.D
 Acq On : 16 Nov 2018 17:13
 Operator : MD\SY
 Sample : J5942-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VW-D1

Quant Time: Nov 16 22:41:19 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	305009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	512810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	219990	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	165470	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.09	98	643006	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	181654	42.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.88%	

Target Compounds

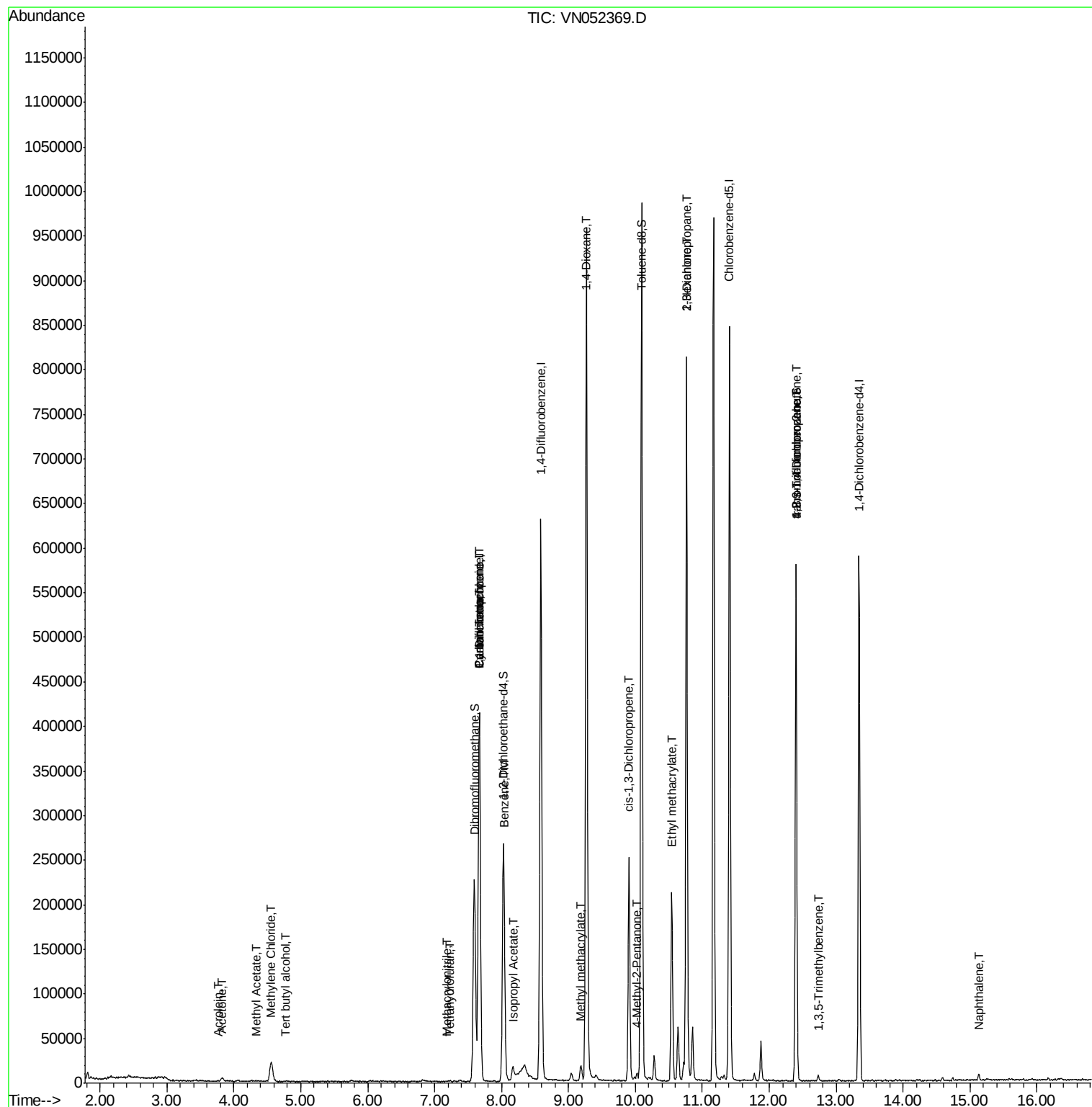
						Qvalue
11) Tert butyl alcohol	4.77	59	97	0.426	ug/l #	72
13) Acrolein	3.76	56	90	22.010	ug/l #	14
16) Acetone	3.82	43	7110	5.994	ug/l #	80
18) Methyl Acetate	4.33	43	1034	0.740	ug/l #	63
20) Methylene Chloride	4.55	84	14434	3.347	ug/l	96
29) Tetrahydrofuran	7.22	42	538	0.491	ug/l #	66
31) Cyclohexane	7.67	56	8934	0.310	ug/l #	10
36) 1,1-Dichloropropene	7.67	75	29328	5.706	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33224	7.036	ug/l #	16
40) Benzene	8.05	78	3155	0.215	ug/l	92
41) Methacrylonitrile	7.18	41	137	3.757	ug/l #	100
43) Isopropyl Acetate	8.17	43	22700	3.154	ug/l #	88
48) Methyl methacrylate	9.18	41	5889	1.612	ug/l #	16
49) 1,4-Dioxane	9.28	88	29	1.034	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	7611	2.101	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	38240	6.719	ug/l #	72
56) Ethyl methacrylate	10.54	69	914	0.218	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7850	1.392	ug/l #	43
59) 2-Hexanone	10.76	43	132784	53.279	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	103905	44.803	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2712	0.310	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	103905	145.315	ug/l #	5
95) Naphthalene	15.13	128	4791	3.543	ug/l	96

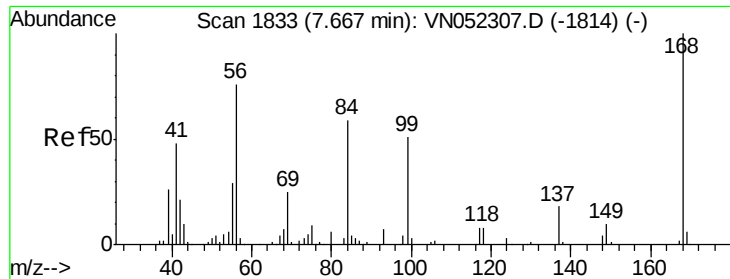
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111618\
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Quant Time: Nov 16 22:41:19 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
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: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampleId :

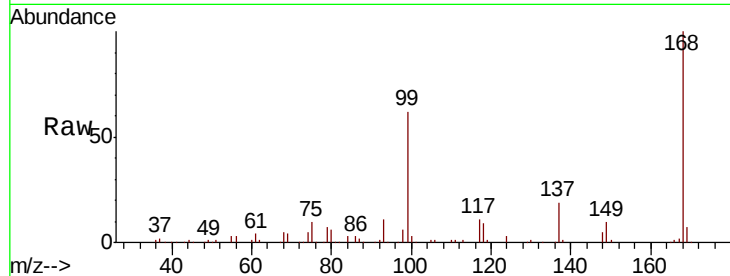
VW-D1

Tot Ion:168 Resp: 305009

Ion Ratio Lower Upper

168 100

99 62.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

150000

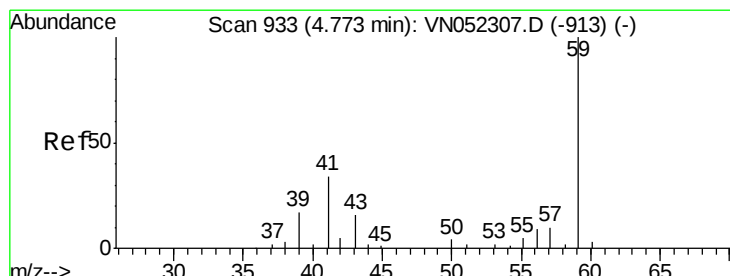
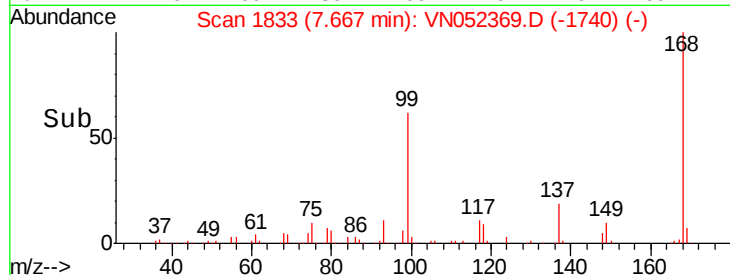
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.426 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.00 min

Lab File: VN052369.D

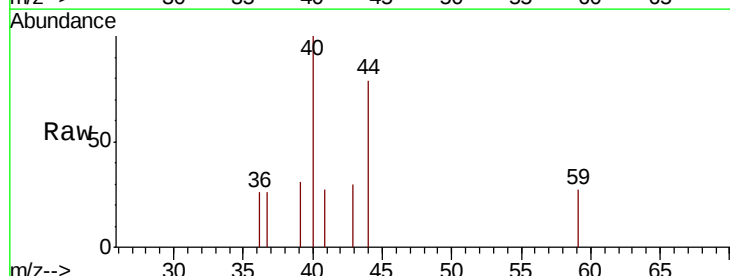
Acq: 16 Nov 2018 17:13

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN052307.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-913) (-)

4.77

200

150

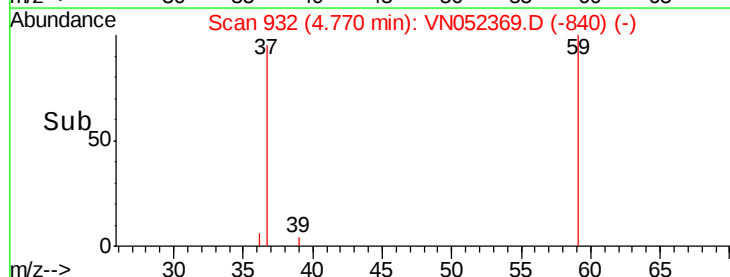
100

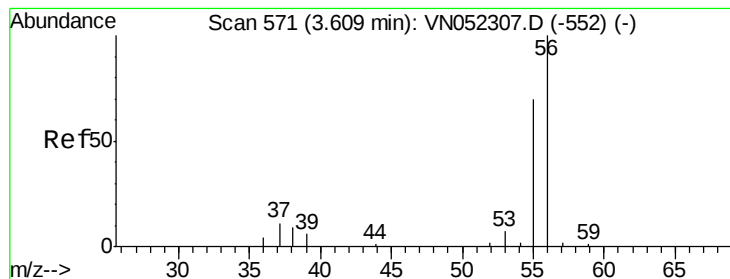
50

0

Time-->

4.76 4.77 4.78





#13

Acrolein

Concen: 22.010 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.15 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

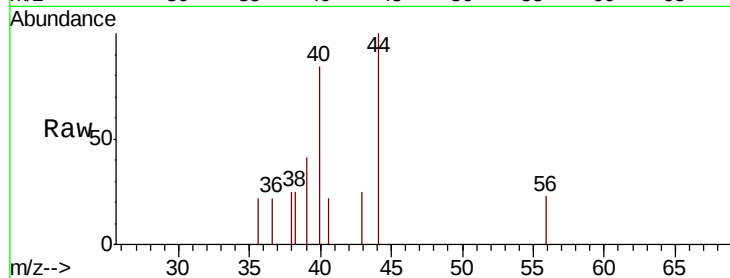
Instrument :
MSVOA_N
ClientSampled :
VW-D1

Tot Ion: 56 Resp: 90

Ion Ratio Lower Upper

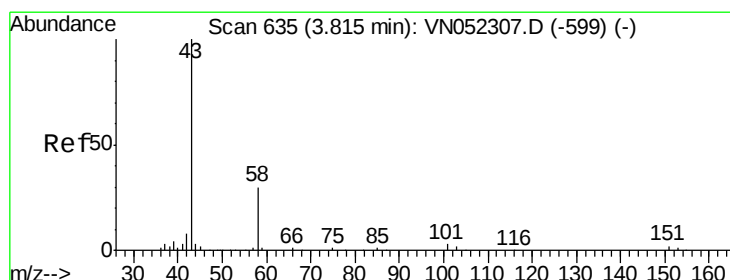
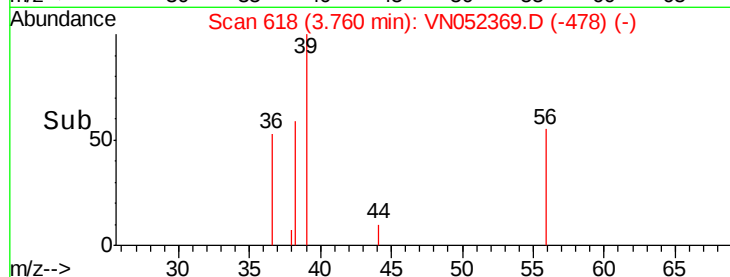
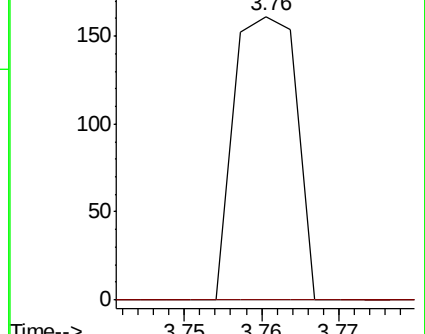
56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.994 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052369.D

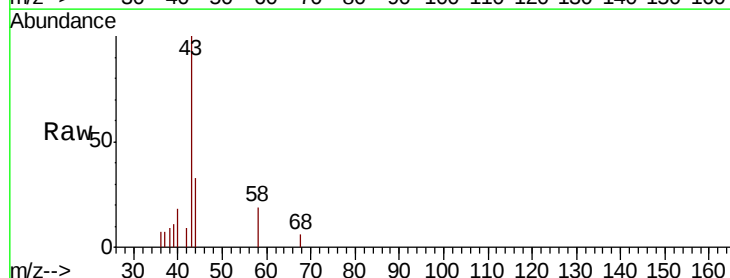
Acq: 16 Nov 2018 17:13

Tgt Ion: 43 Resp: 7110

Ion Ratio Lower Upper

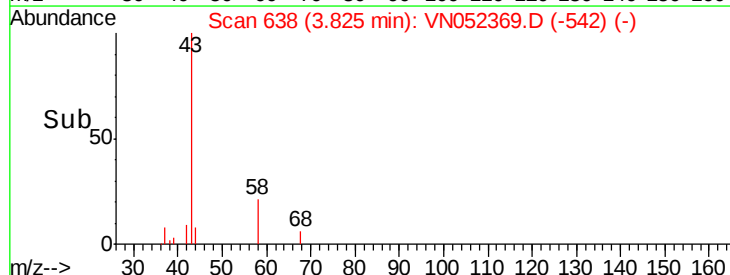
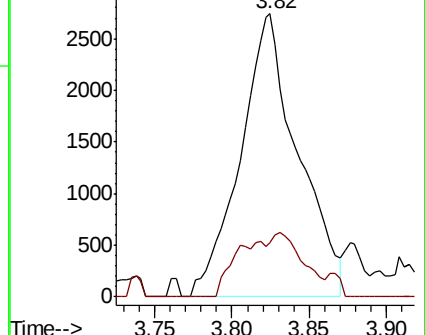
43 100

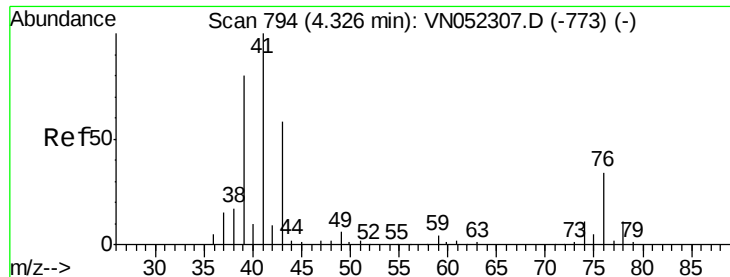
58 19.3 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

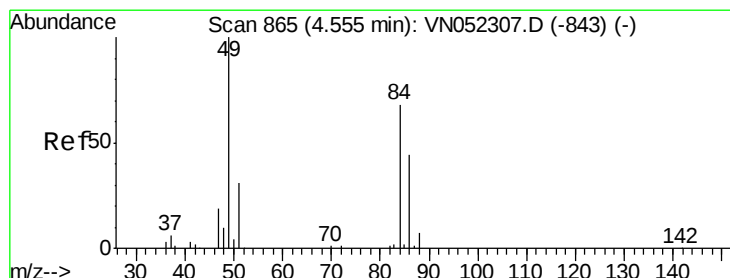
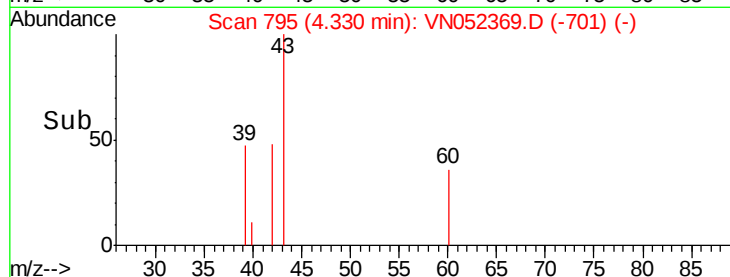
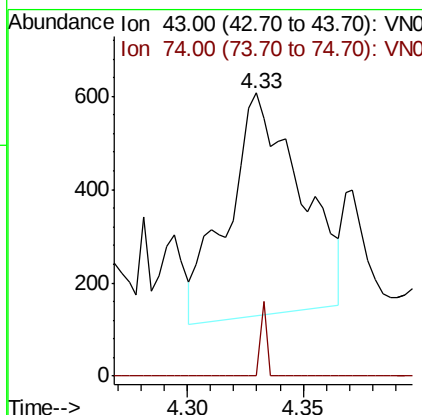
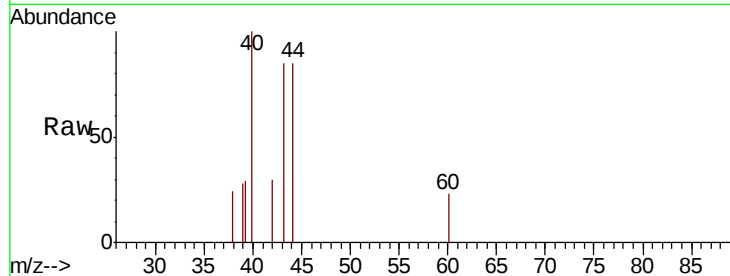




#18
Methyl Acetate
Concen: 0.740 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

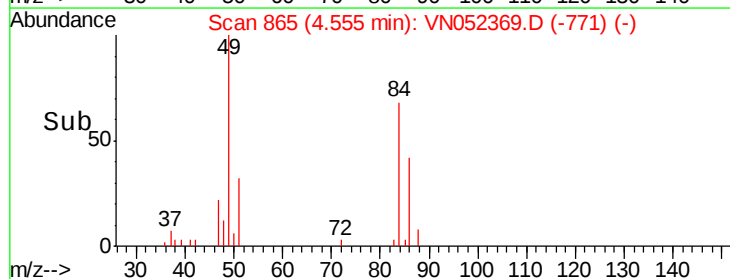
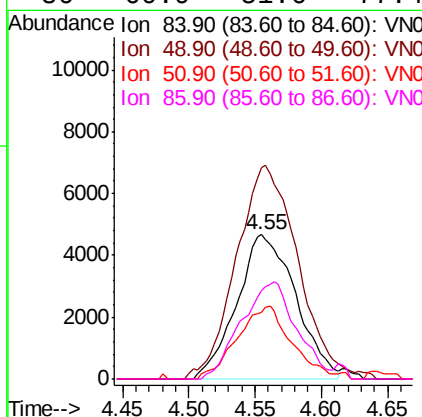
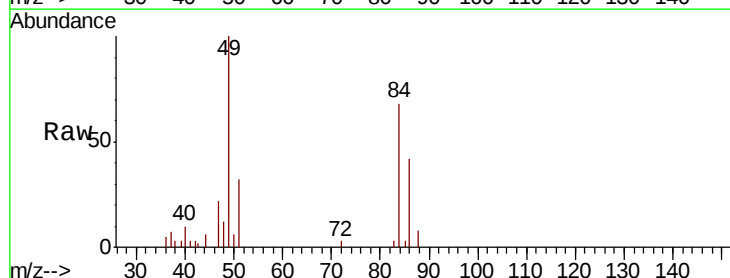
Instrument :
MSVOA_N
ClientSampleId :
VW-D1

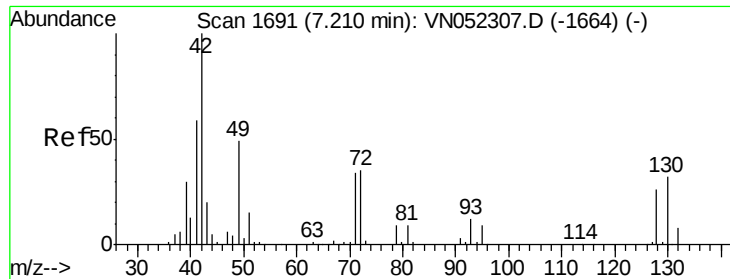
Tot Ion: 43 Resp: 1034
Ion Ratio Lower Upper
43 100
74 3.0 15.9 23.9#



#20
Methylene Chloride
Concen: 3.347 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

Tgt Ion: 84 Resp: 14434
Ion Ratio Lower Upper
84 100
49 142.7 118.2 177.2
51 46.5 36.1 54.1
86 60.9 51.6 77.4





#29

Tetrahydrofuran

Concen: 0.491 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

VW-D1

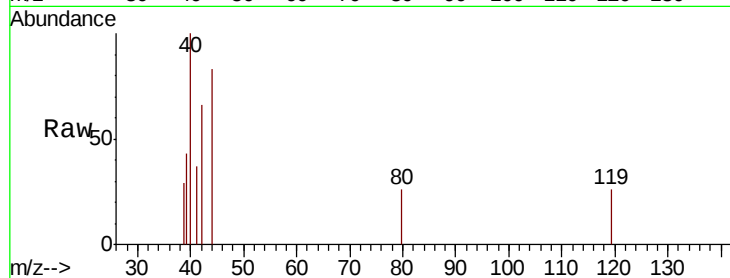
Tot Ion: 42 Resp: 538

Ion Ratio Lower Upper

42 100

72 11.5 28.6 42.8#

71 19.0 26.7 40.1#

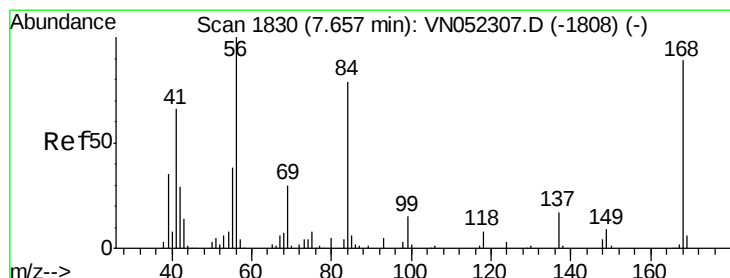
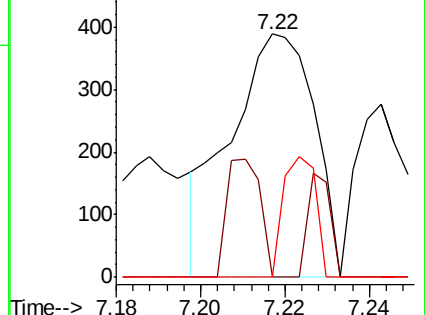
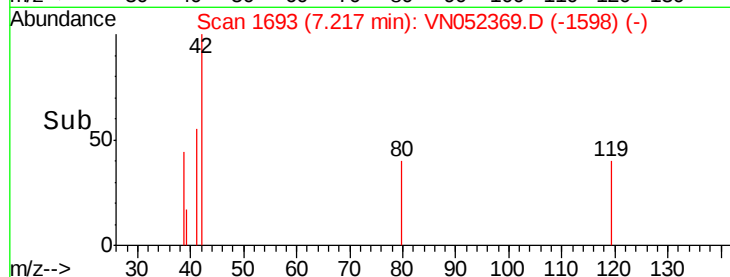


Abundance Ion 42.00 (41.70 to 42.70): VN052307.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN052307.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN052307.D (-1664) (-)

Time-->



#31

Cyclohexane

Concen: 0.310 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

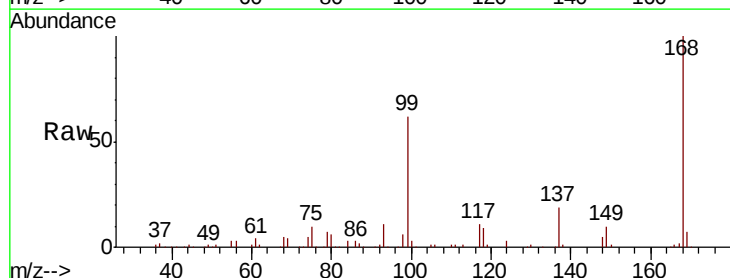
Tgt Ion: 56 Resp: 8934

Ion Ratio Lower Upper

56 100

69 141.8 23.8 35.8#

84 119.0 63.0 94.6#

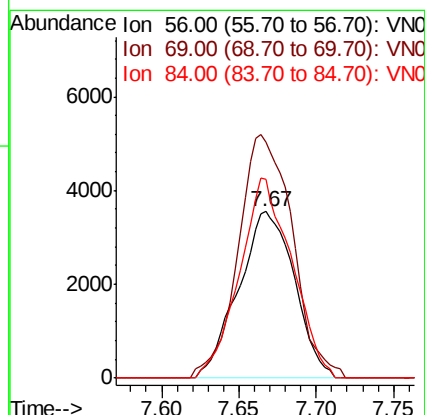
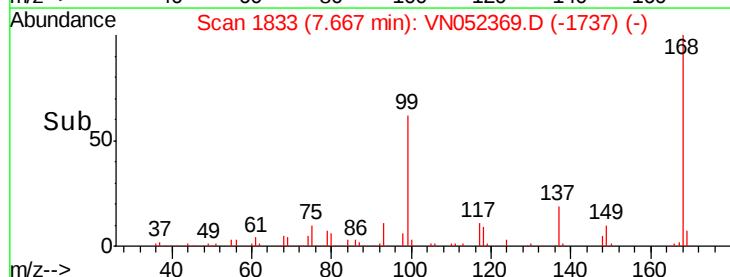


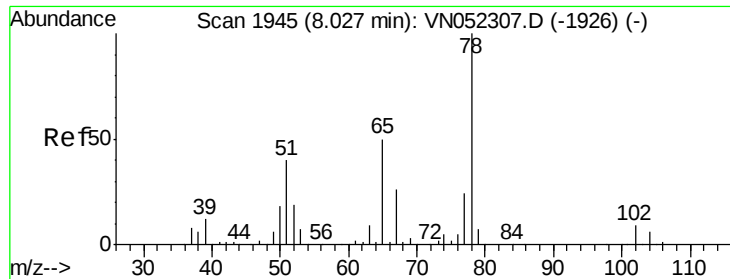
Abundance Ion 56.00 (55.70 to 56.70): VN052307.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN052307.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN052307.D (-1808) (-)

Time-->

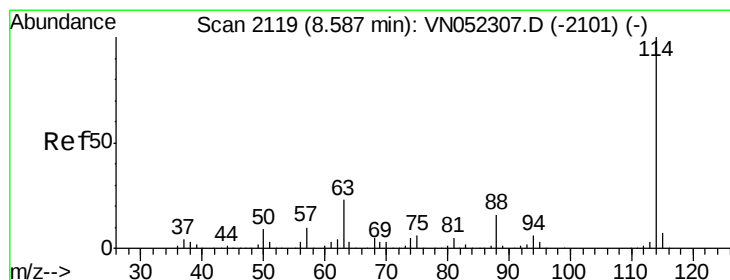
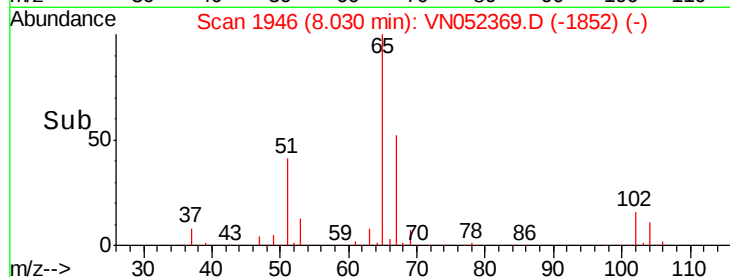
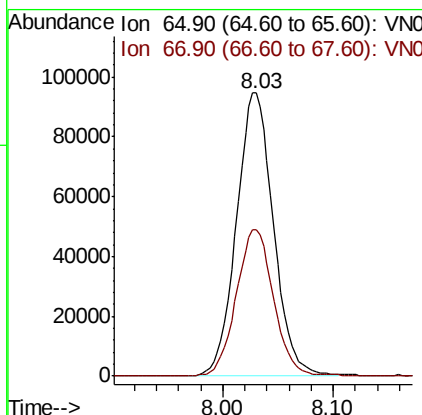
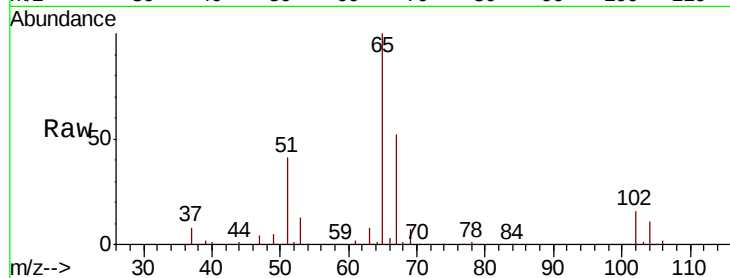




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

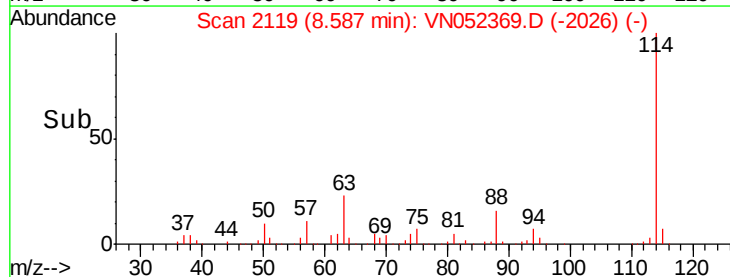
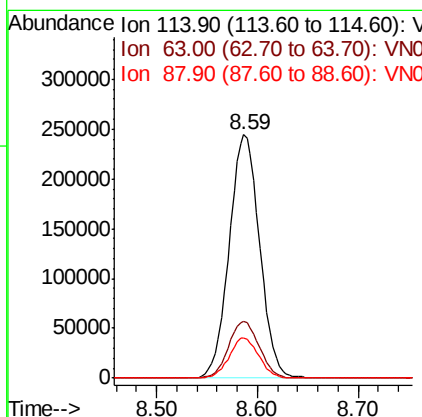
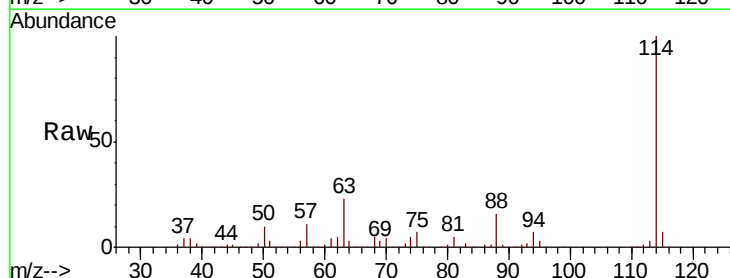
Instrument :
 MSVOA_N
 ClientSampled :
 VW-D1

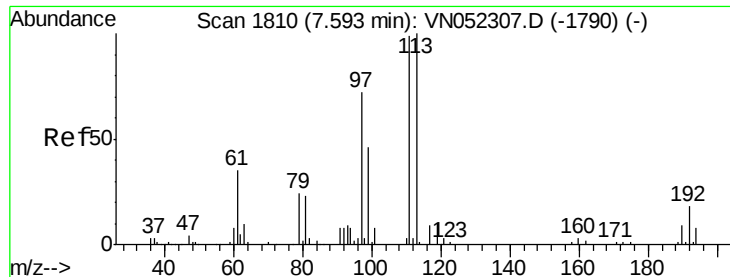
Tot Ion: 65 Resp: 219990
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

Tgt Ion: 114 Resp: 512810
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.4
 88 16.5 0.0 31.2

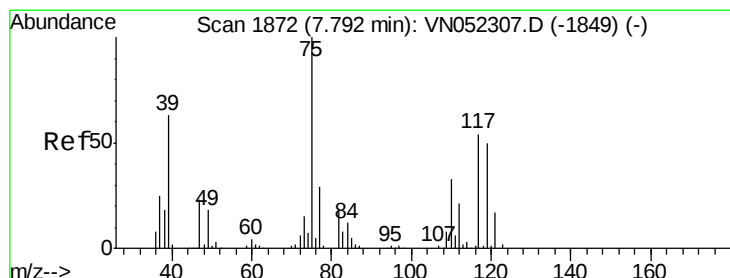
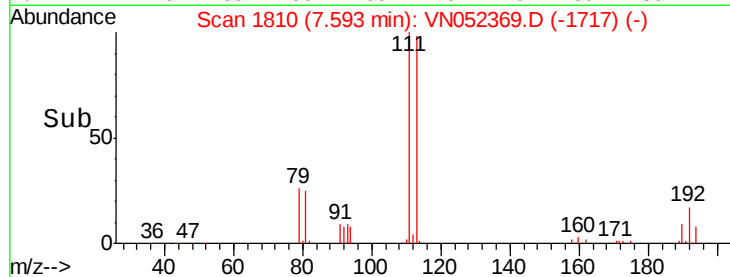
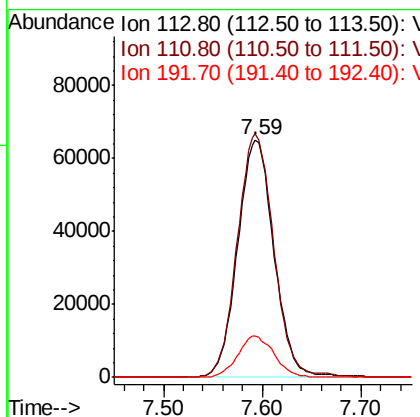
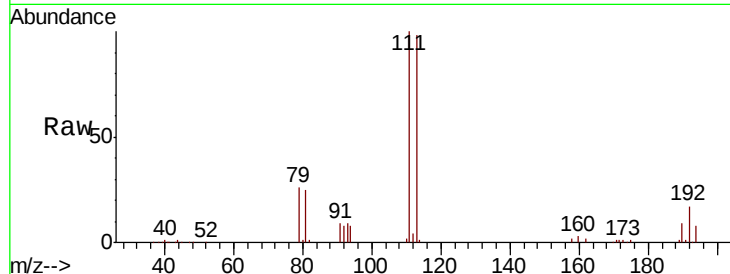




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

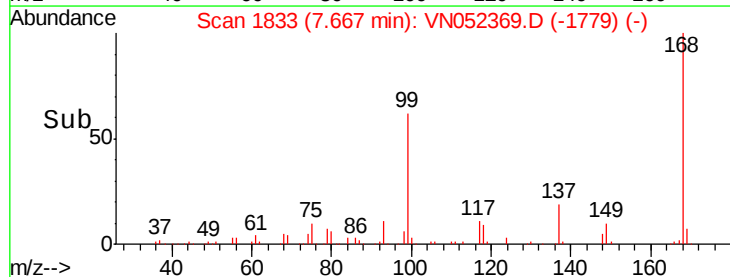
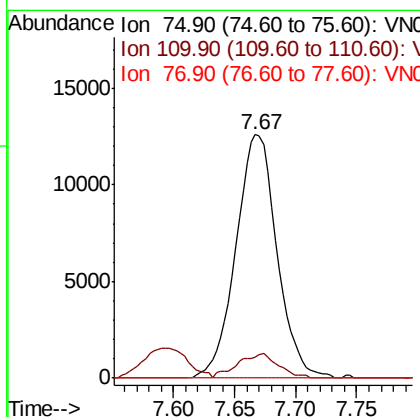
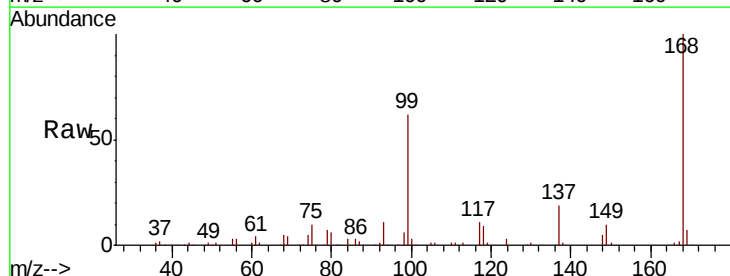
Instrument :
 MSVOA_N
 ClientSampleId :
 VW-D1

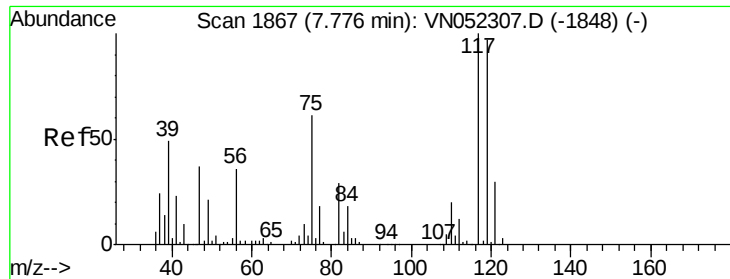
Tot Ion:113 Resp: 165470
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.6
 192 17.5 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.706 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

Tgt Ion: 75 Resp: 29328
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.5 49.5#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 7.036 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

VW-D1

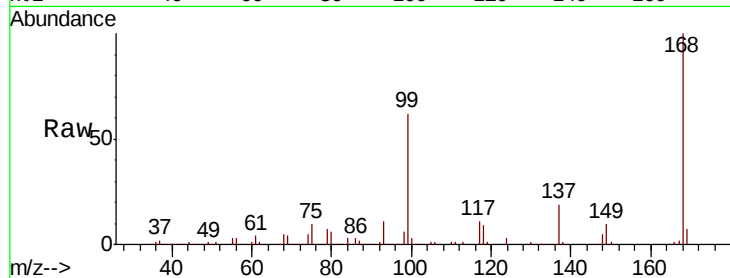
Tot Ion:117 Resp: 33224

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

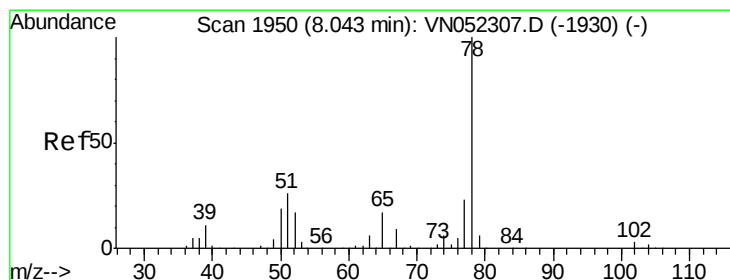
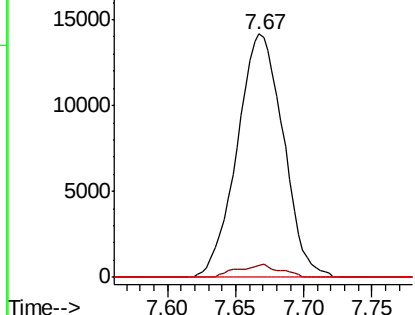
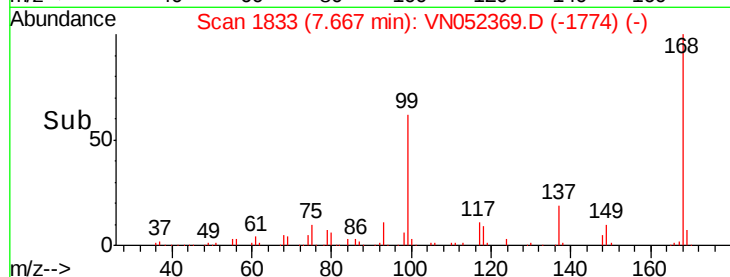
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.215 ug/l

RT: 8.05 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VN052369.D

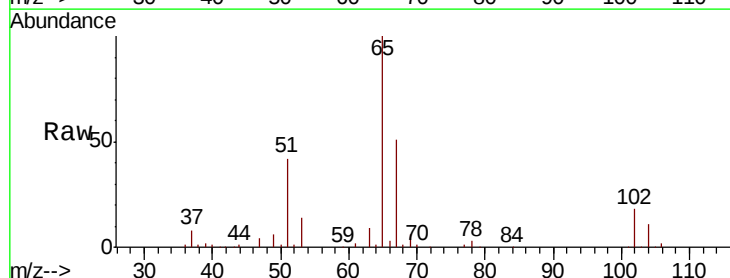
Acq: 16 Nov 2018 17:13

Tgt Ion: 78 Resp: 3155

Ion Ratio Lower Upper

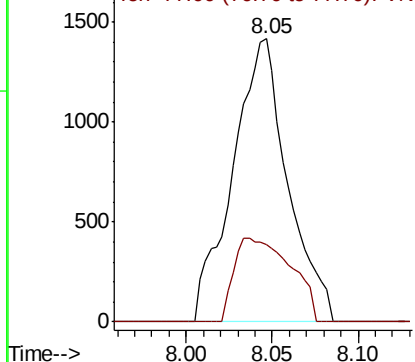
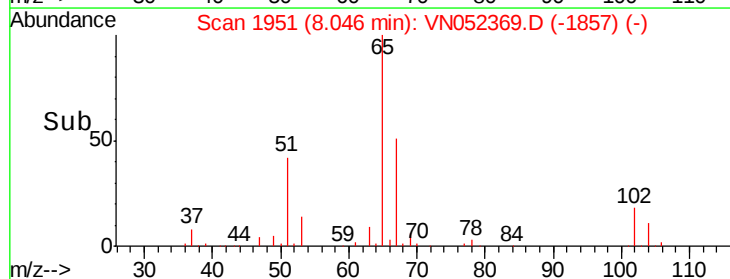
78 100

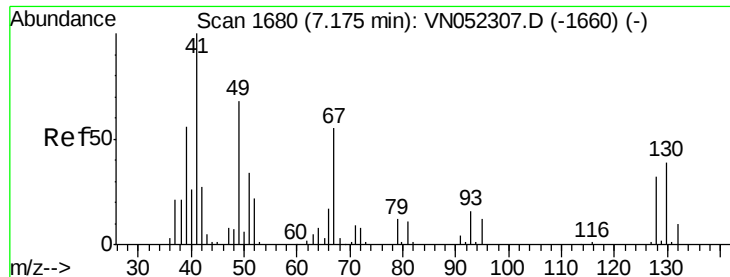
77 27.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

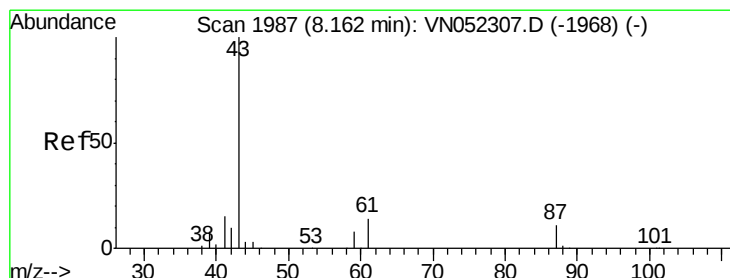
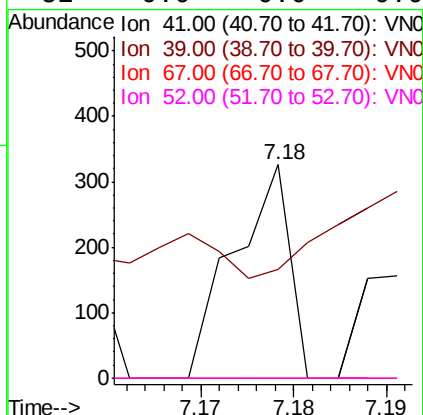
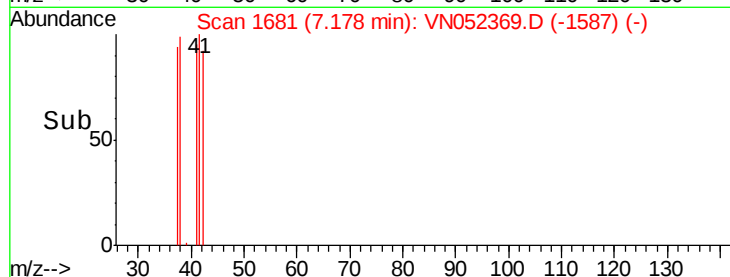
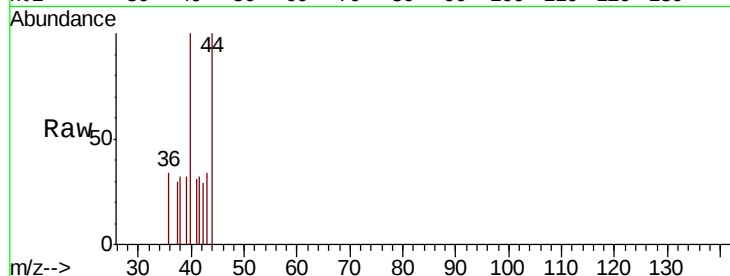




#41
Methacrylonitrile
Concen: 3.757 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

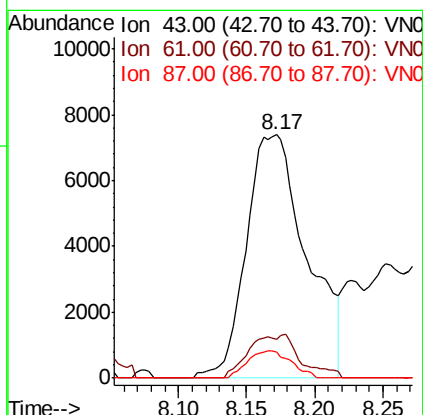
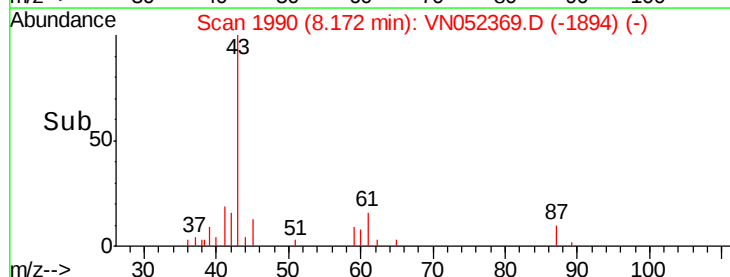
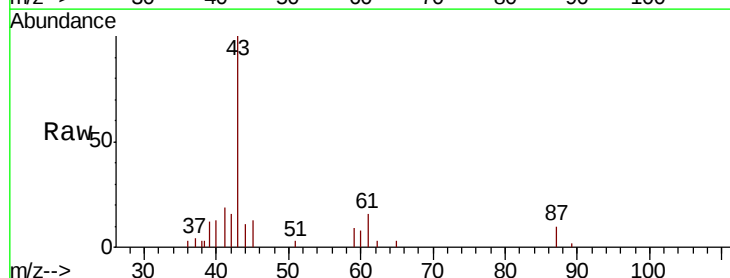
Instrument :
MSVOA_N
ClientSampled :
VW-D1

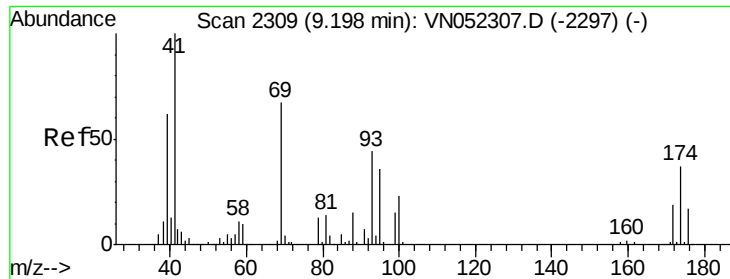
Tot Ion:	41	Resp:	137
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.154 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

Tgt Ion:	43	Resp:	22700
Ion	Ratio	Lower	Upper
43	100		
61	8.6	12.0	18.0#
87	8.1	8.3	12.5#

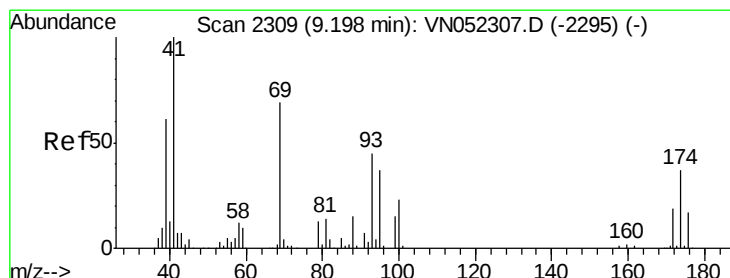
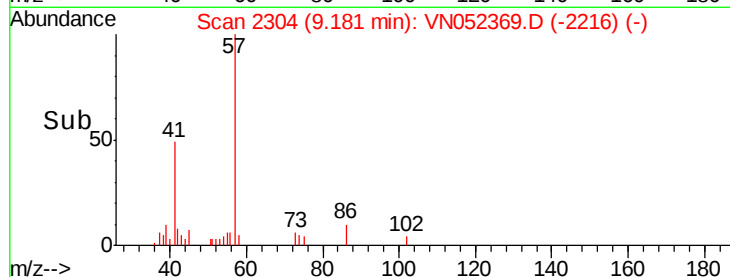
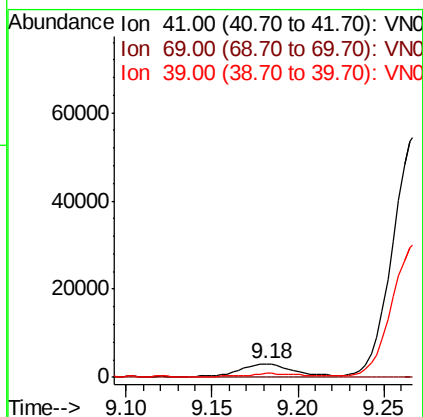
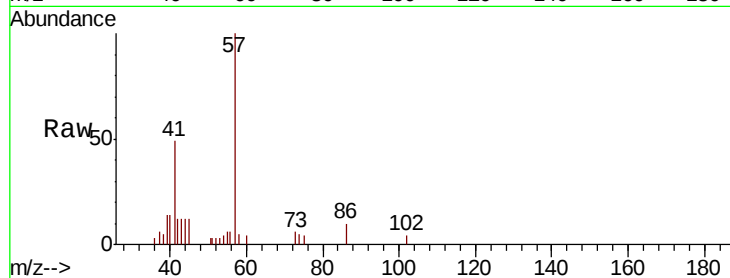




#48
Methyl methacrylate
Concen: 1.612 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

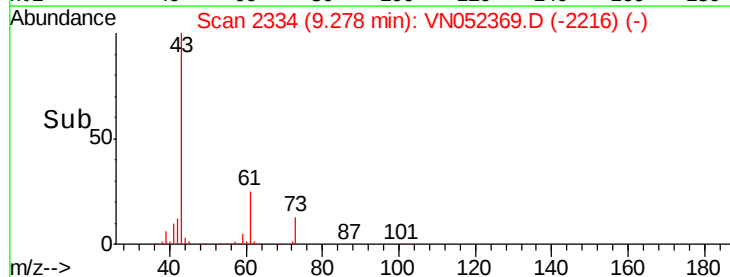
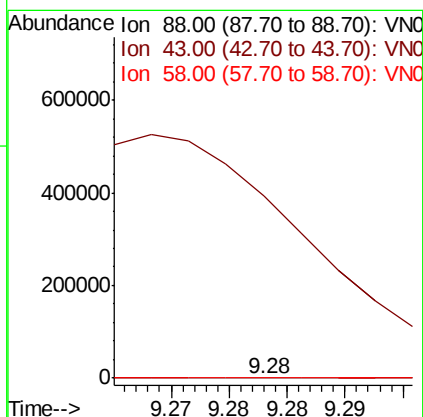
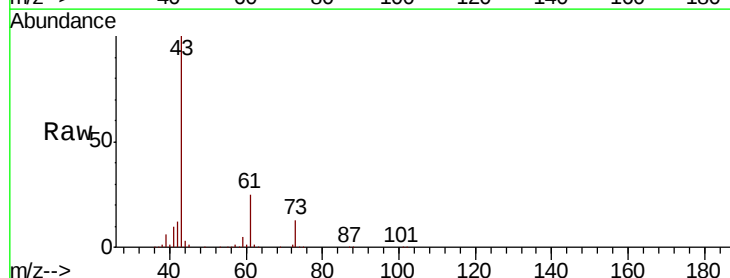
Instrument :
MSVOA_N
ClientSampled :
VW-D1

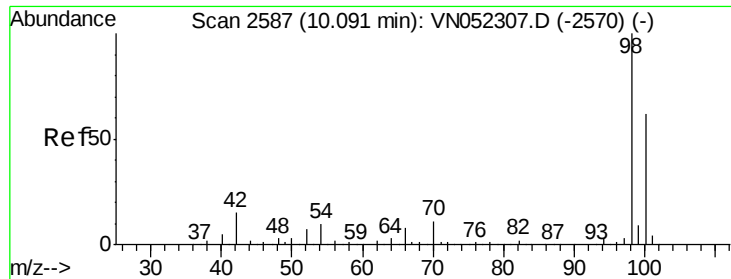
Tot Ion: 41 Resp: 5889
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#



#49
1,4-Dioxane
Concen: 1.034 ug/l
RT: 9.28 min Scan# 2334
Delta R.T. 0.08 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 3392300.0 33.3 49.9#
58 15055.2 59.2 88.8#





#50

Toluene-d8

Concen: 1.034 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

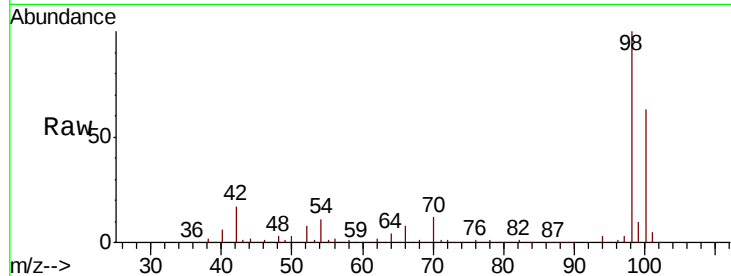
VW-D1

Tot Ion: 98 Resp: 643006

Ion Ratio Lower Upper

98 100

100 62.5 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

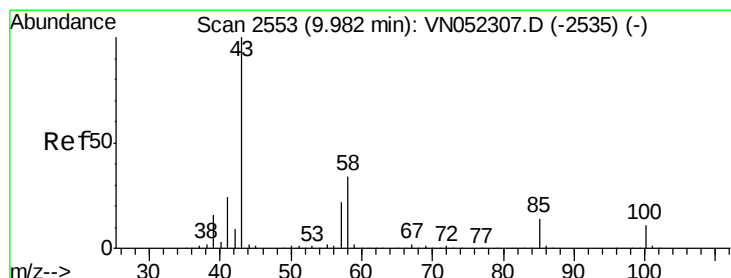
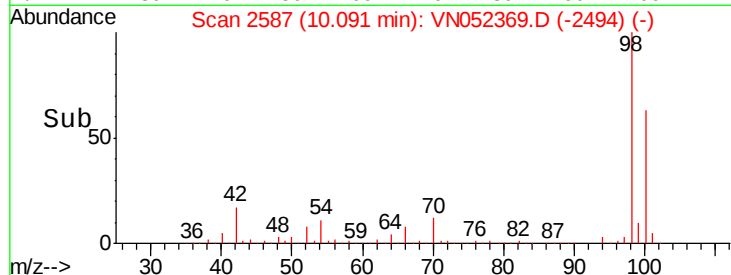
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.101 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052369.D

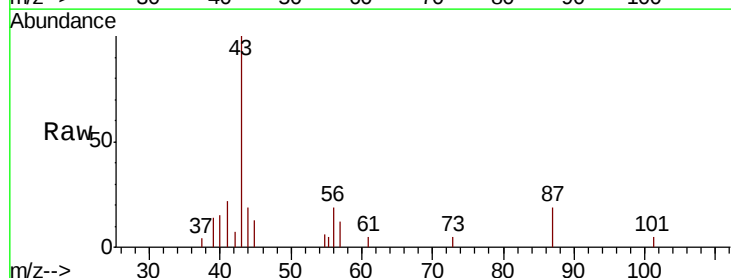
Acq: 16 Nov 2018 17:13

Tgt Ion: 43 Resp: 7611

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

10.02

5000

4000

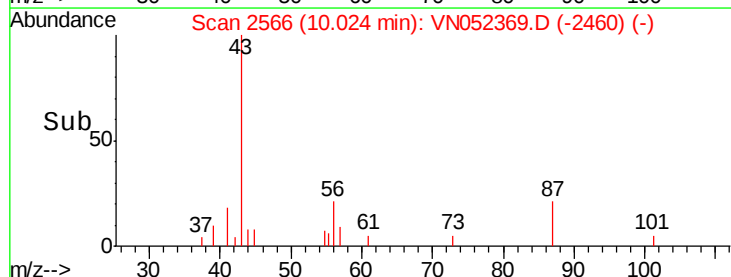
3000

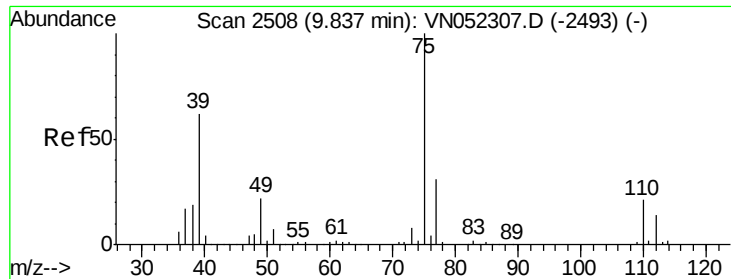
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.719 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

VW-D1

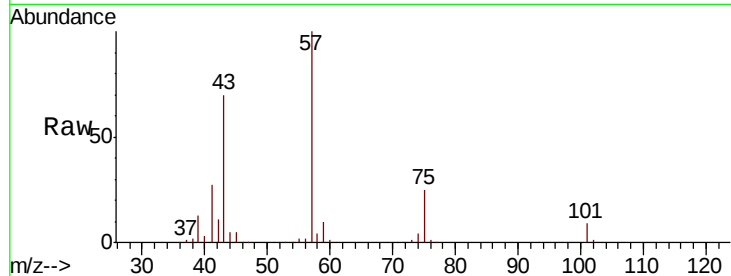
Tot Ion: 75 Resp: 38240

Ion Ratio Lower Upper

75 100

77 0.7 24.6 36.8#

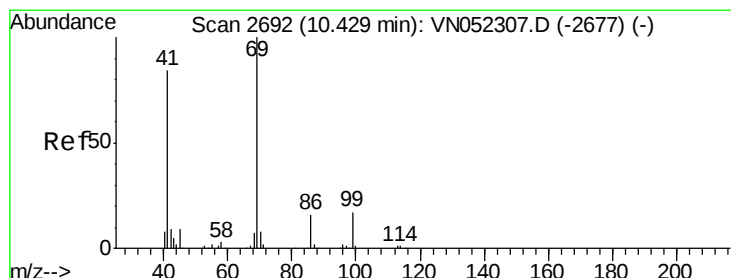
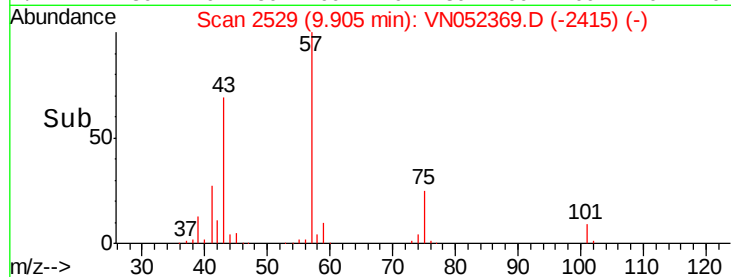
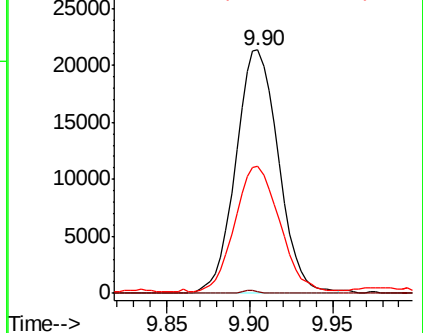
39 51.4 49.9 74.9



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



#56

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

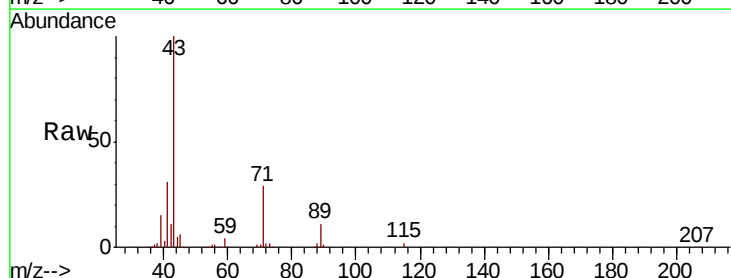
Tgt Ion: 69 Resp: 914

Ion Ratio Lower Upper

69 100

41 5283.3 64.8 97.2#

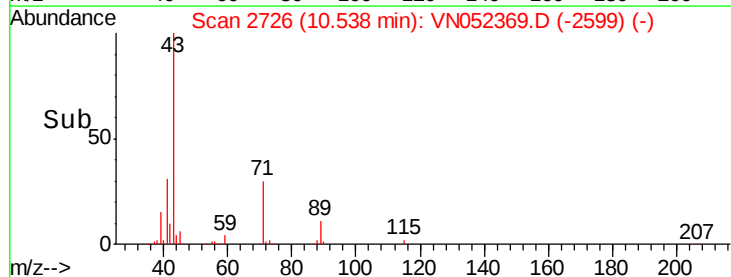
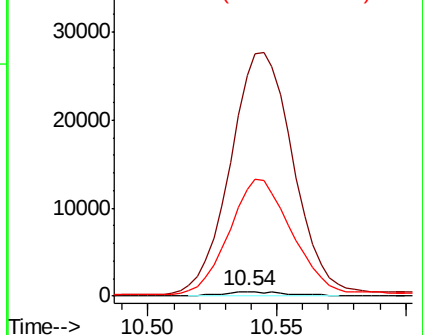
39 2411.4 41.0 61.6#

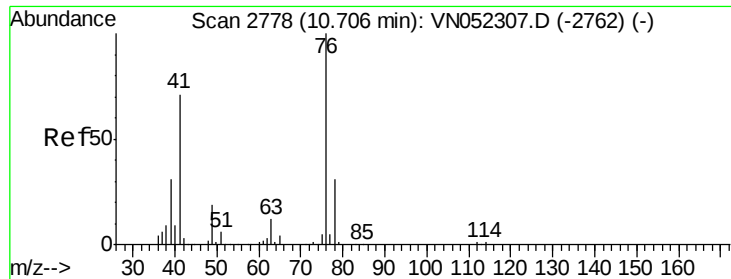


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

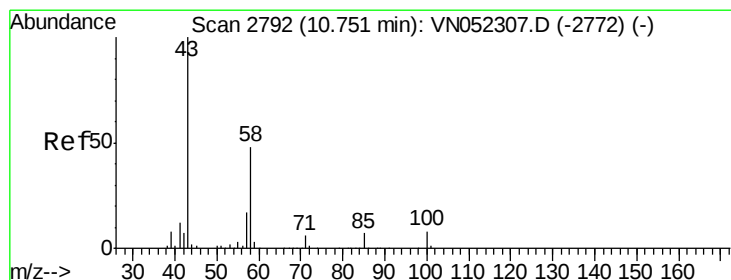
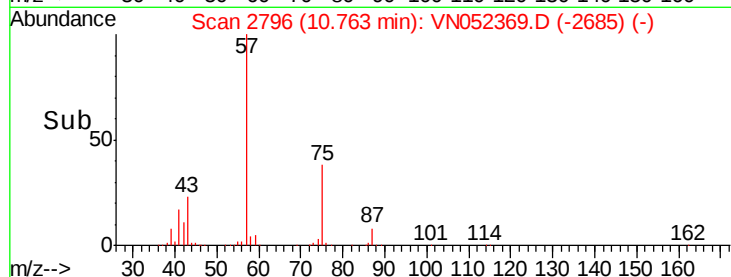
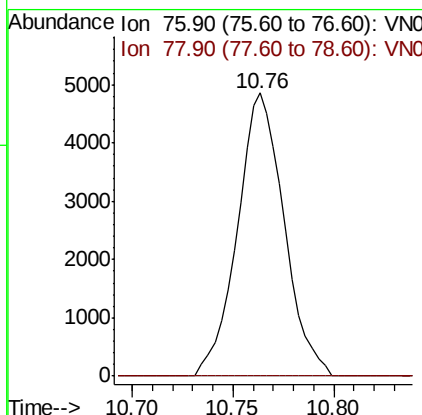
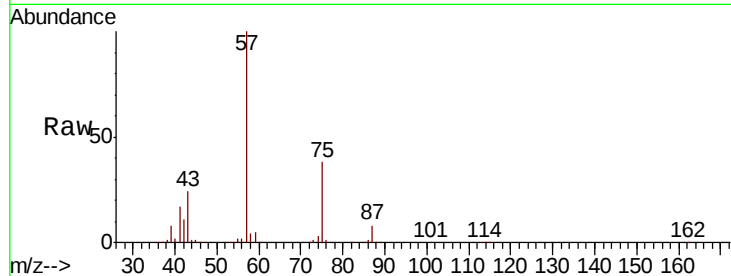




#57
 1,3-Dichloropropane
 Concen: 1.392 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

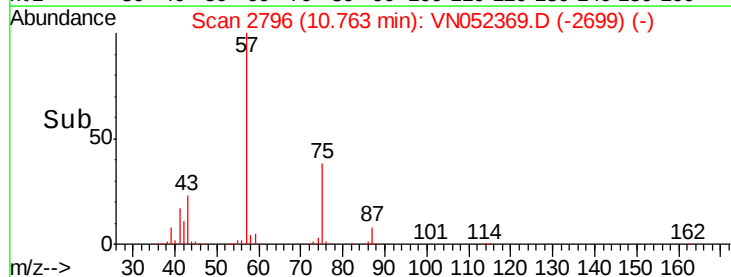
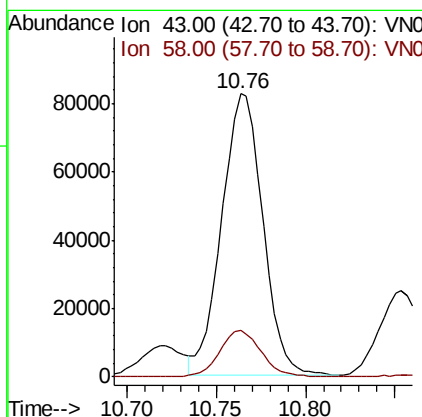
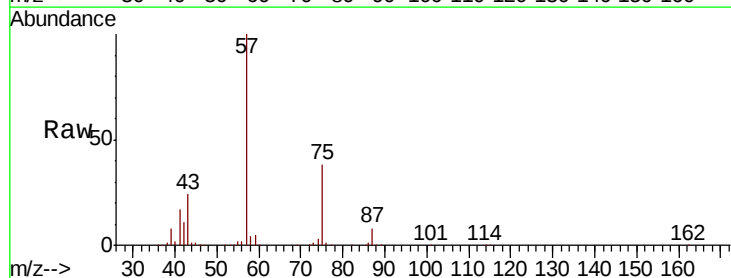
Instrument :
 MSVOA_N
 ClientSampled :
 VW-D1

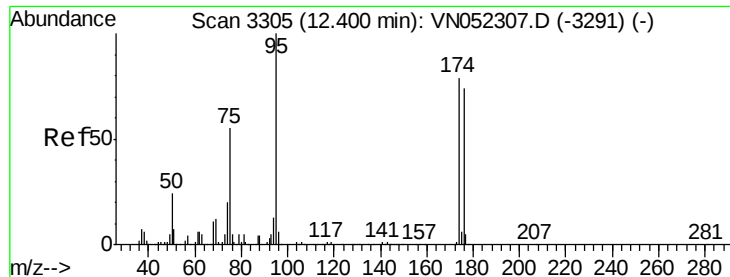
Tot Ion: 76 Resp: 7850
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 53.279 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

Tgt Ion: 43 Resp: 132784
 Ion Ratio Lower Upper
 43 100
 58 16.8 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: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

VW-D1

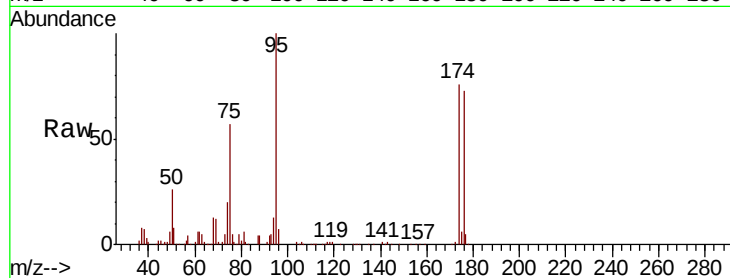
Tot Ion: 95 Resp: 181654

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.0

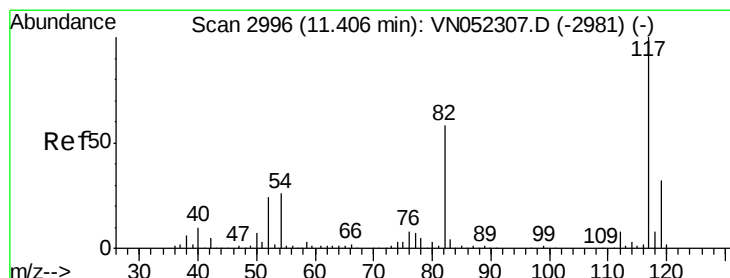
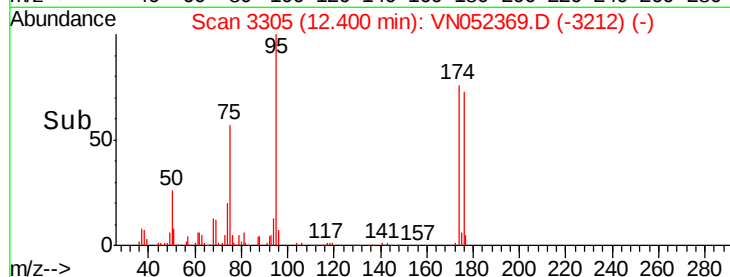
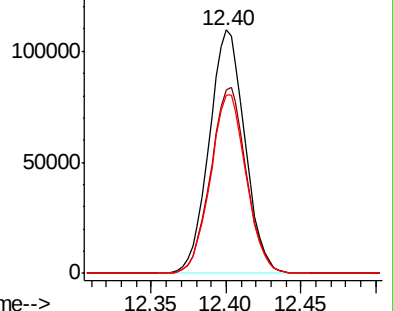
176 73.7 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052369.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052369.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052369.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

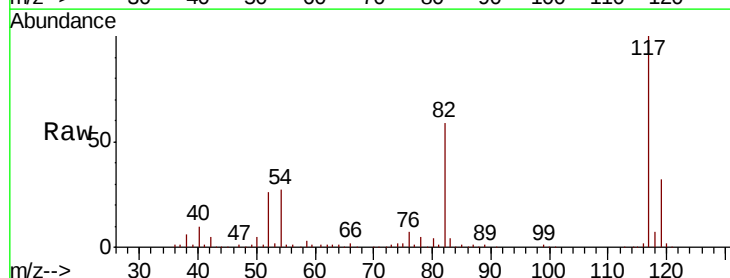
Tgt Ion: 117 Resp: 430690

Ion Ratio Lower Upper

117 100

82 58.6 46.5 69.7

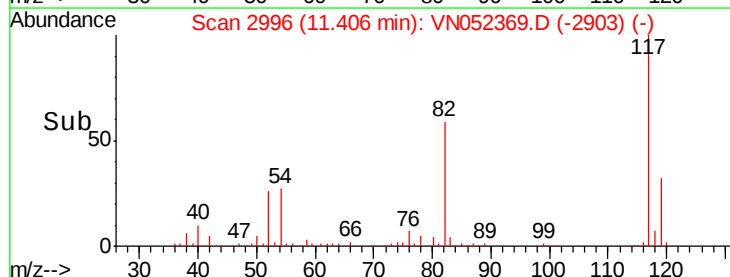
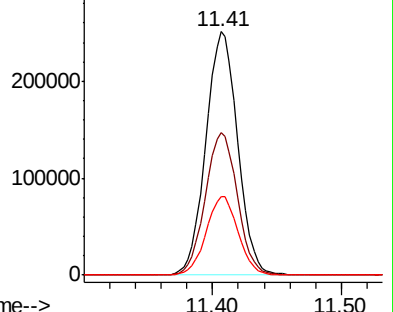
119 32.3 25.7 38.5

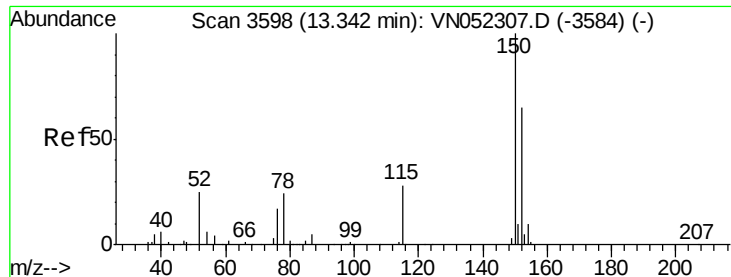


Abundance Ion 116.90 (116.60 to 117.60): VN052369.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052369.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052369.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052369.D

Acq: 16 Nov 2018 17:13

Instrument :

MSVOA_N

ClientSampled :

VW-D1

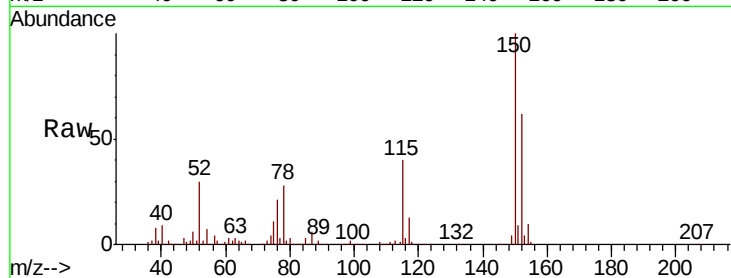
Tot Ion:152 Resp: 136676

Ion Ratio Lower Upper

152 100

115 63.4 30.3 91.0

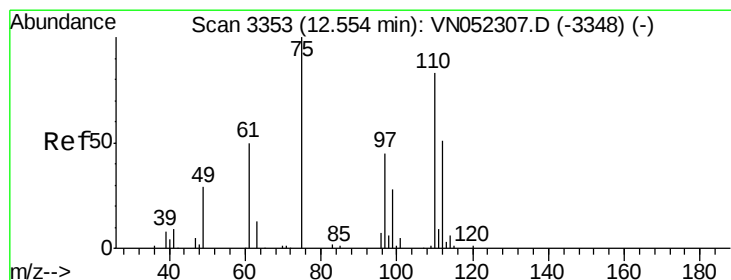
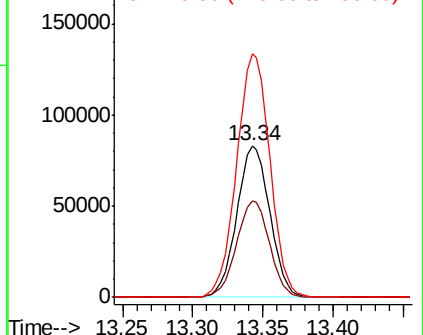
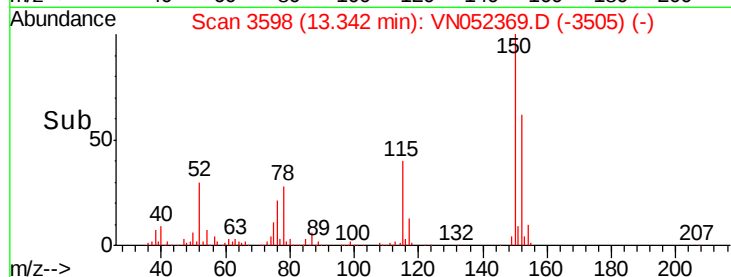
150 161.9 0.0 348.2



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: 44.803 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052369.D

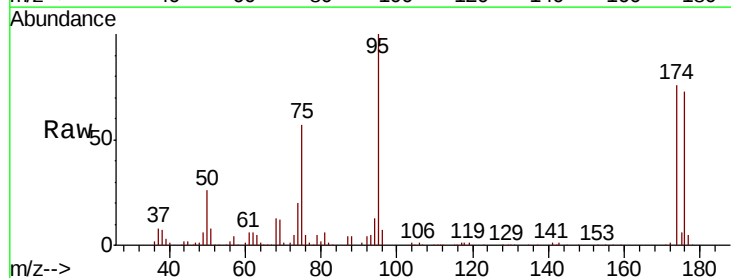
Acq: 16 Nov 2018 17:13

Tgt Ion: 75 Resp: 103905

Ion Ratio Lower Upper

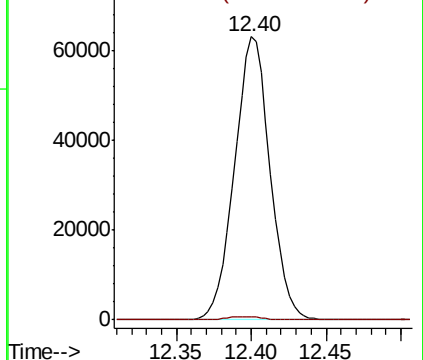
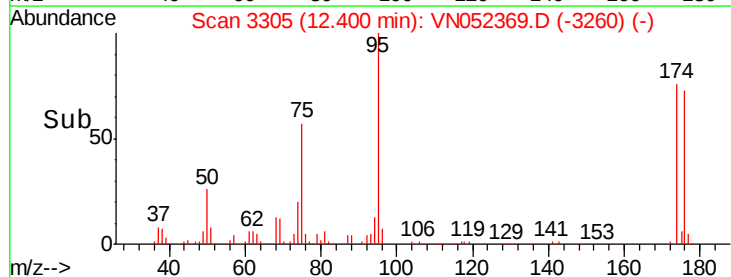
75 100

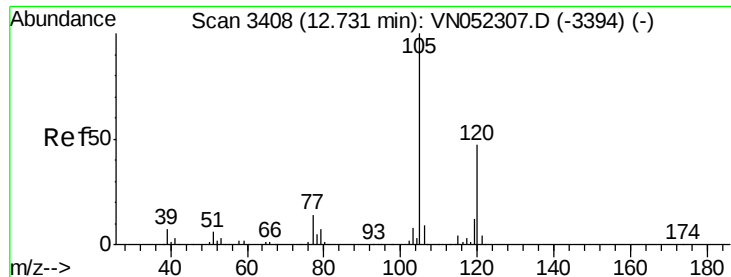
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

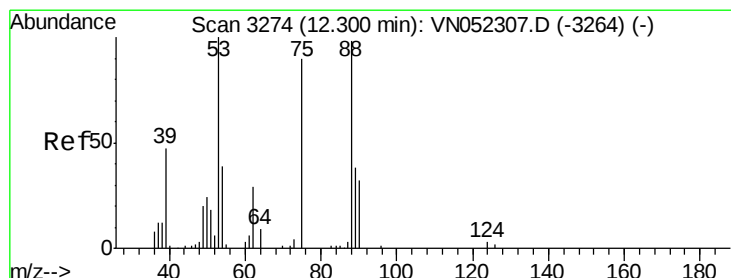
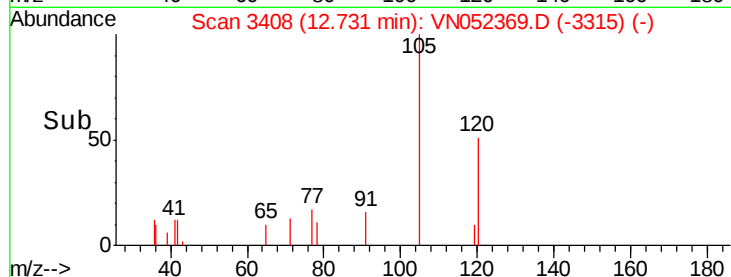
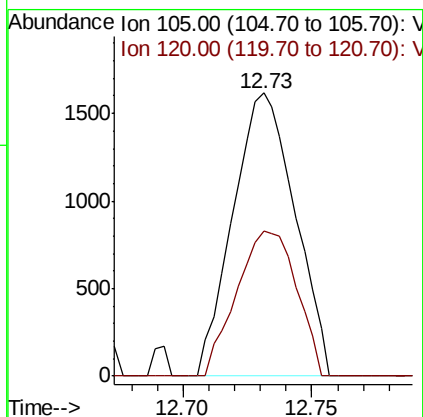
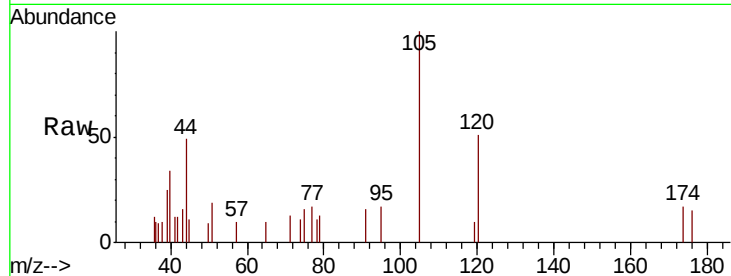




#80
 1,3,5-Trimethylbenzene
 Concen: 0.310 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

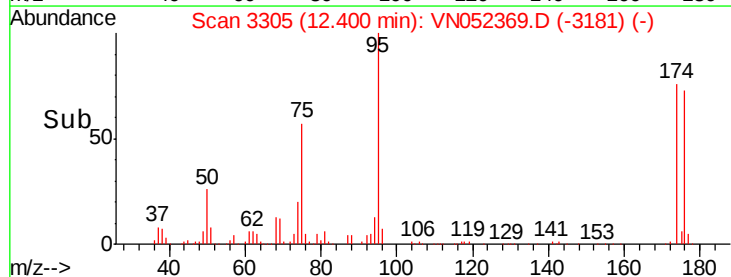
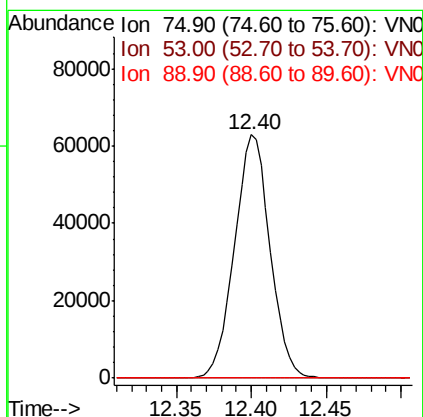
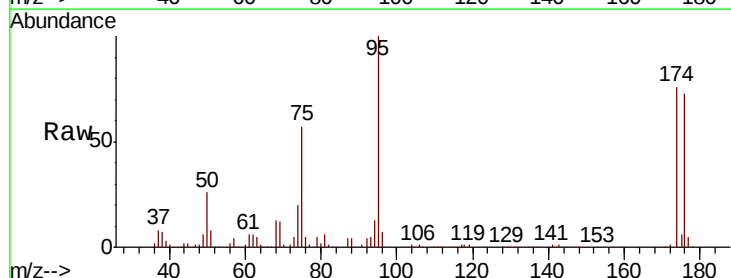
Instrument :
 MSVOA_N
 ClientSampled :
 VW-D1

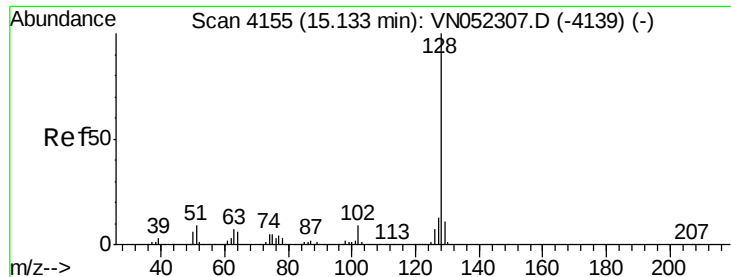
Tot Ion:105 Resp: 2712
 Ion Ratio Lower Upper
 105 100
 120 49.6 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 145.315 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052369.D
 Acq: 16 Nov 2018 17:13

Tgt Ion: 75 Resp: 103905
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.2 135.2#
 89 0.0 35.4 53.0#

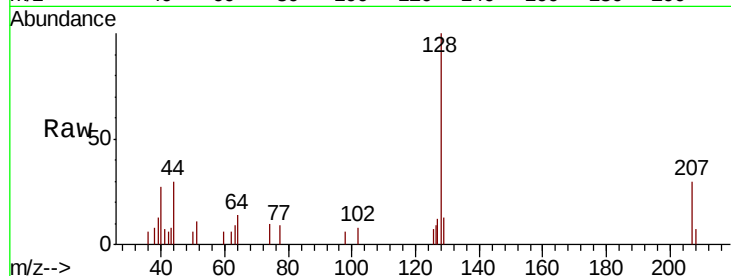




#95
Naphthalene
Concen: 3.543 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052369.D
Acq: 16 Nov 2018 17:13

Instrument :
MSVOA_N
ClientSampleId :
VW-D1

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	9.0	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

