

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051218.D
 Acq On : 15 Sep 2018 13:27
 Operator : MD\SY
 Sample : PB112879TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:13:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	451129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	674922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	158967	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	235936	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
35) Dibromofluoromethane	7.59	113	254079	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.09	98	876250	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
62) 4-Bromofluorobenzene	12.40	95	225876	35.48	ug/l	0.00
Spiked Amount			Recovery	=	70.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1812	Below Cal		99
5) Bromomethane	2.57	94	2647	Below Cal	#	65
10) Methyl Iodide	3.96	142	889	5.80	ug/l #	72
11) Tert butyl alcohol	4.79	59	145	0.38	ug/l #	73
13) Acrolein	3.61	56	73	24.42	ug/l #	62
15) Acrylonitrile	5.01	53	536	0.32	ug/l #	51
16) Acetone	3.82	43	8863	1.33	ug/l	91
17) Carbon Disulfide	4.05	76	4592	0.44	ug/l #	76
18) Methyl Acetate	4.33	43	8586	2.14	ug/l #	69
20) Methylene Chloride	4.56	84	6937	1.25	ug/l	85
25) 2-Butanone	6.85	43	5014	2.54	ug/l	94
29) Tetrahydrofuran	7.24	42	892	0.72	ug/l #	39
31) Cyclohexane	7.67	56	7464	0.68	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	29759	4.02	ug/l #	47
38) Carbon Tetrachloride	7.67	117	39037	5.35	ug/l #	17
41) Methacrylonitrile	7.22	41	617	0.28	ug/l #	22
43) Isopropyl Acetate	8.17	43	204840	27.05	ug/l #	87
48) Methyl methacrylate	9.19	41	5590	1.51	ug/l #	17
51) 4-Methyl-2-Pentanone	9.99	43	2489	0.59	ug/l	93
56) Ethyl methacrylate	10.43	69	190	2.48	ug/l #	15
59) 2-Hexanone	10.77	43	14154	4.98	ug/l	69
71) Bromoform	12.40	173	966	0.27	ug/l #	1
74) N-amyl acetate	12.08	43	1167	0.35	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.50	83	558	Below Cal	#	81
76) 1,2,3-Trichloropropane	12.40	75	105698	42.67	ug/l #	100
77) Bromobenzene	12.53	156	721	0.20	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	105698	126.28	ug/l #	15
87) 1,3-Dichlorobenzene	13.28	146	2013	0.33	ug/l	91
88) 1,4-Dichlorobenzene	13.28	146	2013	0.37	ug/l	92
89) n-Butylbenzene	13.61	91	1766	0.22	ug/l	77
91) 1,2-Dichlorobenzene	13.65	146	1868	0.32	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	160	1.00	ug/l #	36
93) 1,2,4-Trichlorobenzene	14.91	180	2446	4.77	ug/l	91
94) Hexachlorobutadiene	15.01	225	1422	Below Cal		97

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QLast Update : Tue Sep 11 02:27:09 2018
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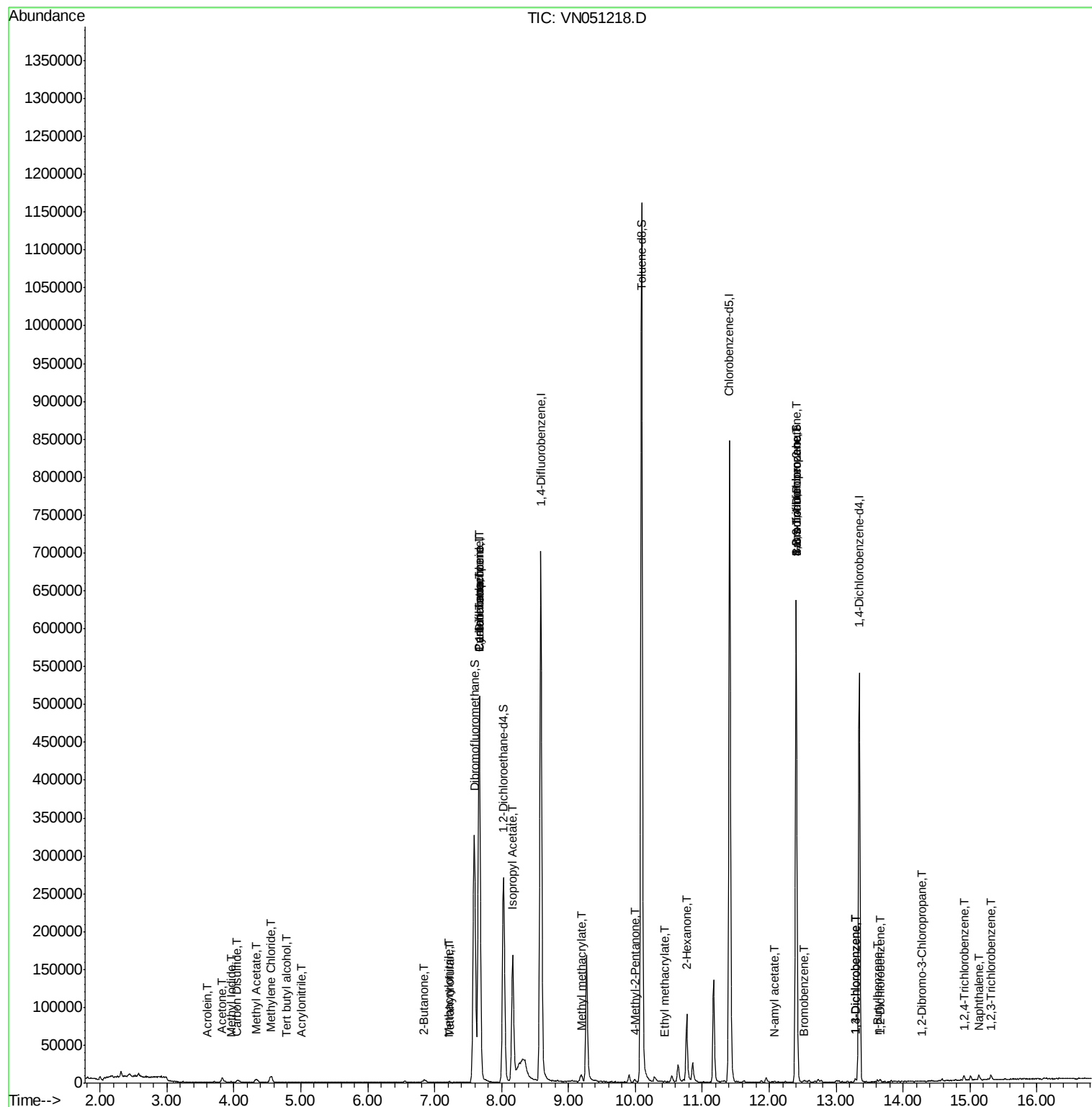
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	6109	6.25	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	2985	3.98	ug/l	95

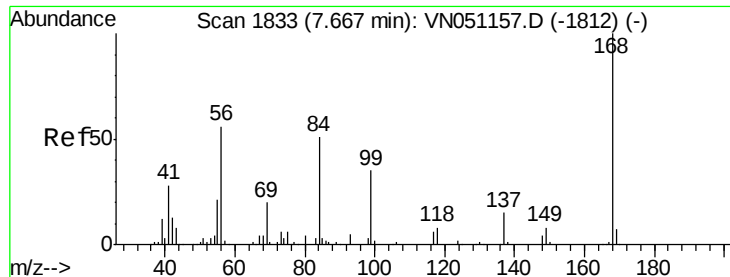
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

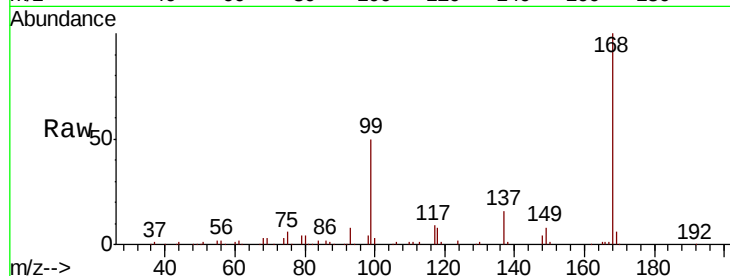
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 451129

Ion Ratio Lower Upper

168 100

99 49.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

150000

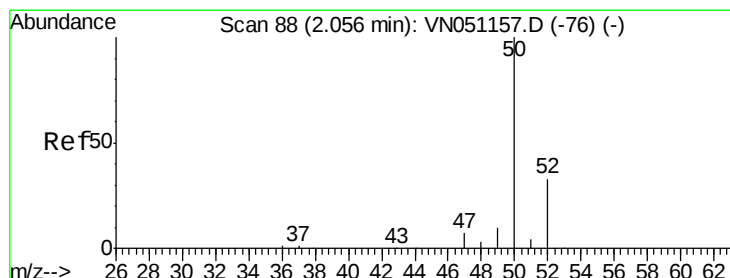
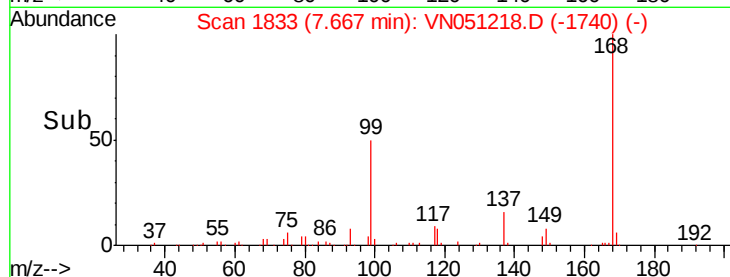
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051218.D

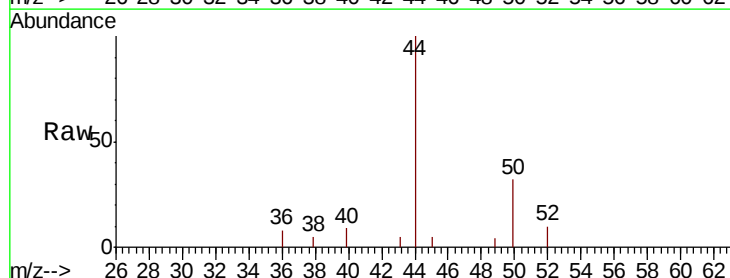
Acq: 15 Sep 2018 13:27

Tgt Ion: 50 Resp: 1812

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

1500

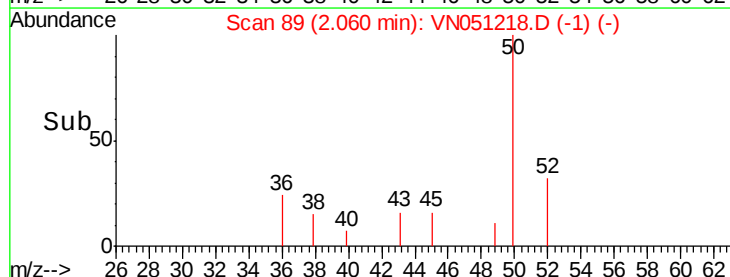
1000

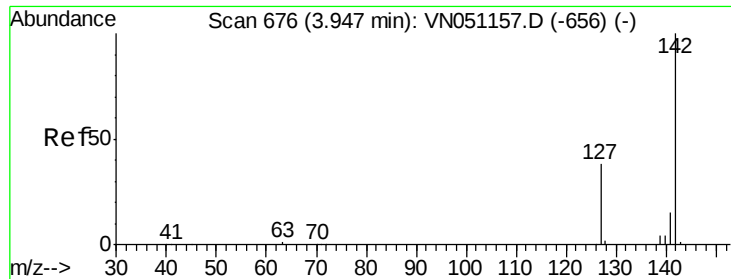
500

0

2.05 2.10

Time-->

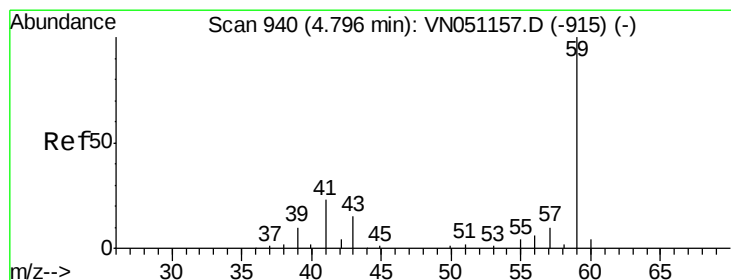
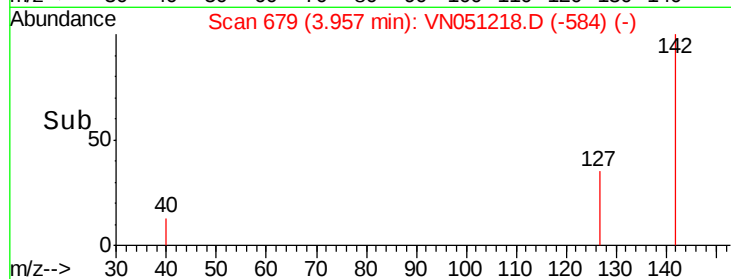
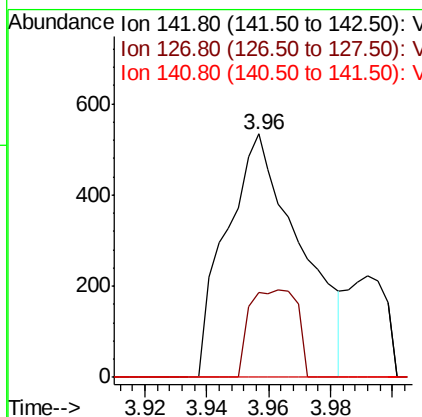
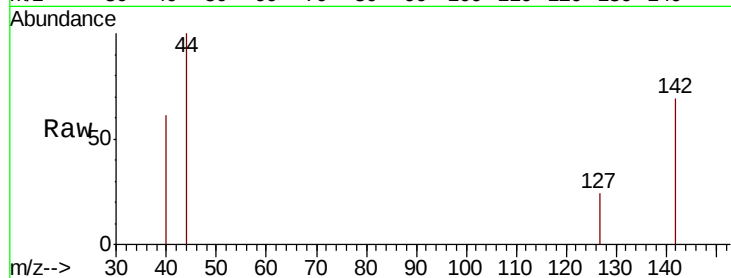




#10
Methvl Iodide
Concen: 5.80 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.01 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

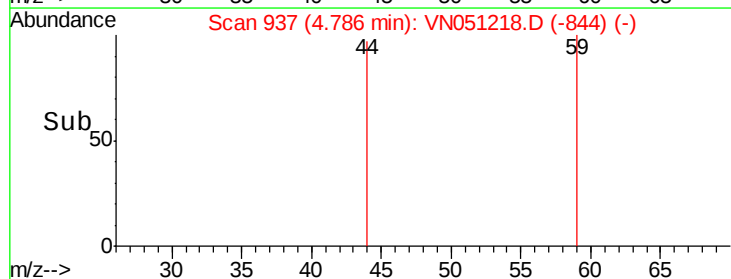
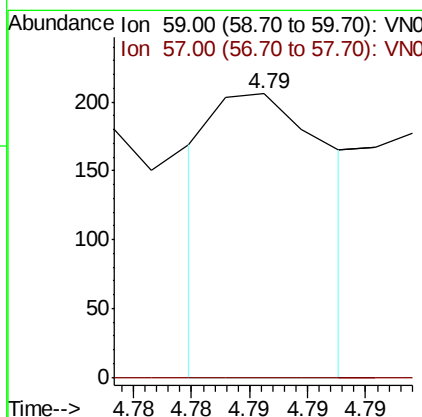
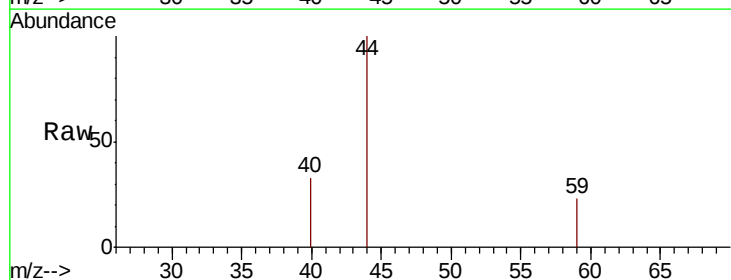
Instrument :
MSVOA_N
ClientSampleId :

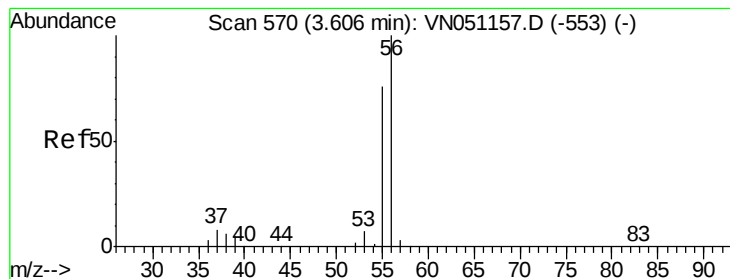
Tot Ion:142 Resp: 889
Ion Ratio Lower Upper
142 100
127 23.2 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.38 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#13

Acrolein

Concen: 24.42 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

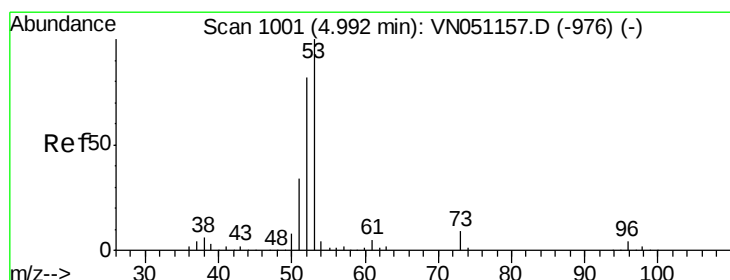
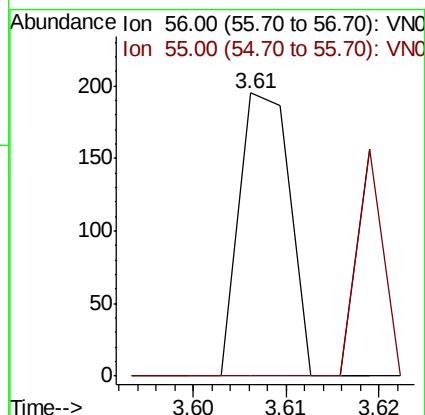
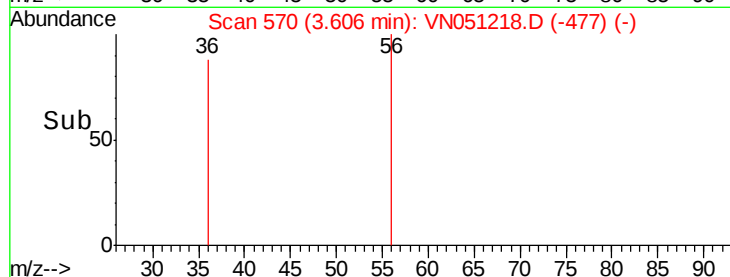
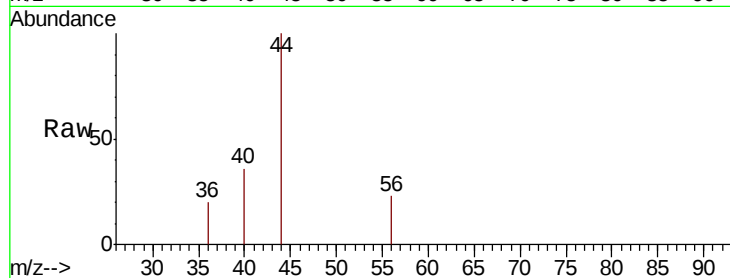
ClientSampled :

Tot Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

55 41.1 58.0 87.0#



#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.03 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

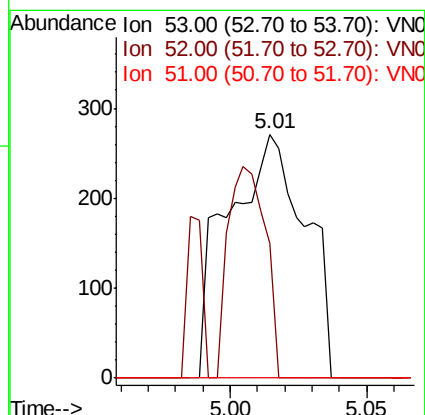
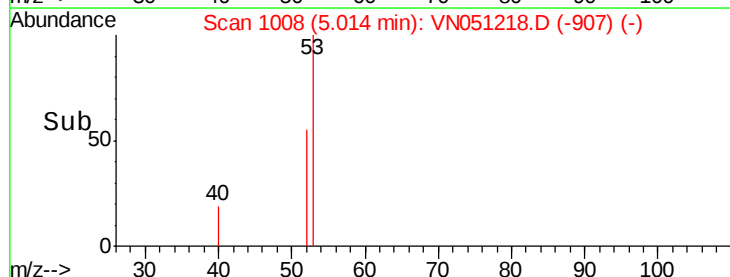
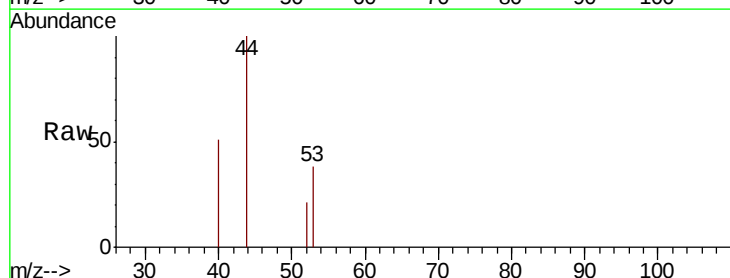
Tgt Ion: 53 Resp: 536

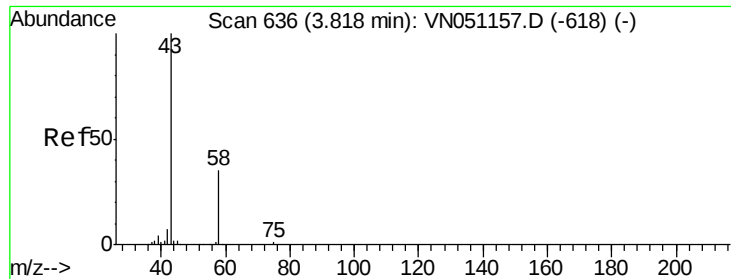
Ion Ratio Lower Upper

53 100

52 42.2 65.3 97.9#

51 0.0 28.2 42.2#





#16

Acetone

Concen: 1.33 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

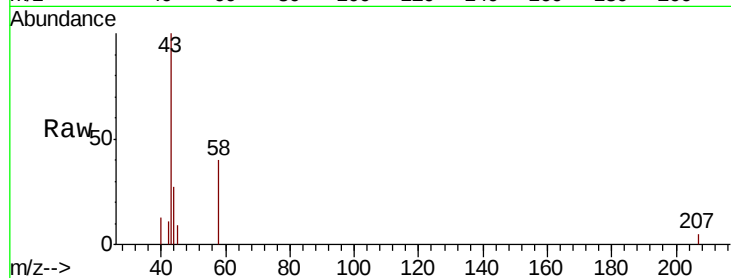
ClientSampled :

Tot Ion: 43 Resp: 8863

Ion Ratio Lower Upper

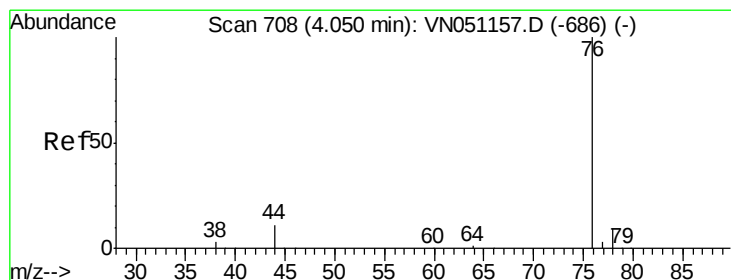
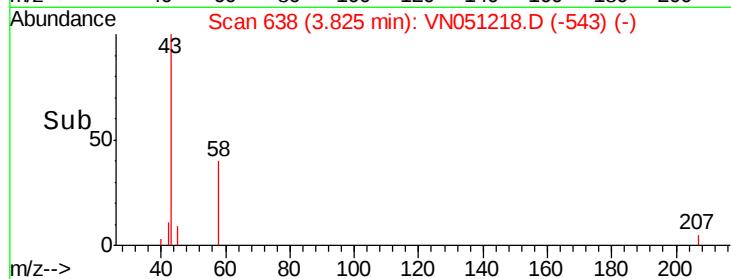
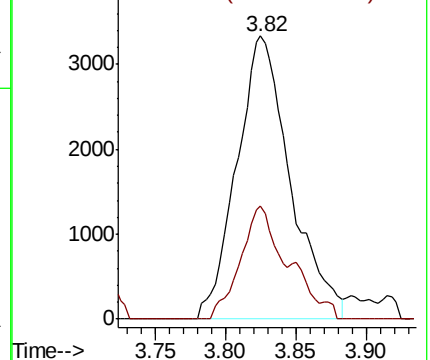
43 100

58 40.1 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051157.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051157.D (-618) (-)



#17

Carbon Disulfide

Concen: 0.44 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051218.D

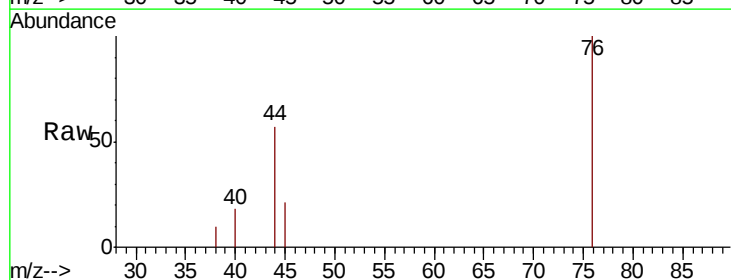
Acq: 15 Sep 2018 13:27

Tgt Ion: 76 Resp: 4592

Ion Ratio Lower Upper

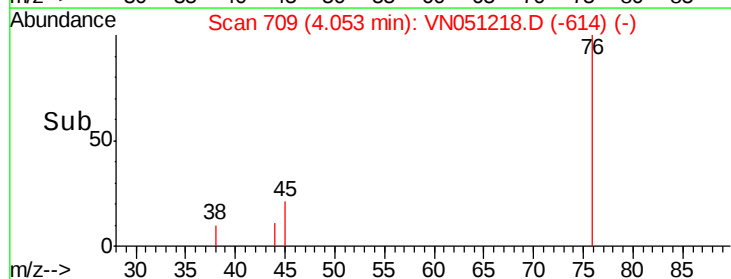
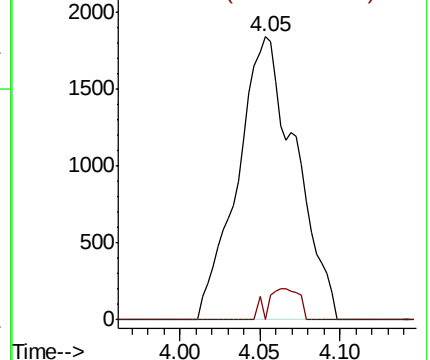
76 100

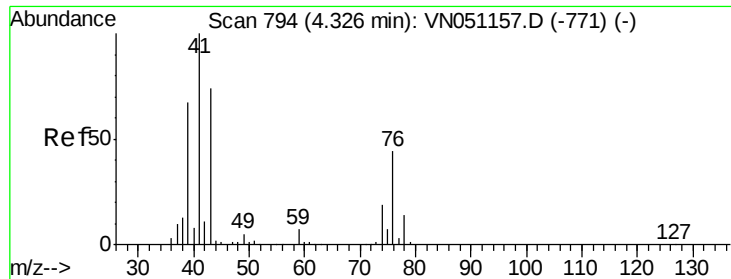
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN051157.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN051157.D (-686) (-)

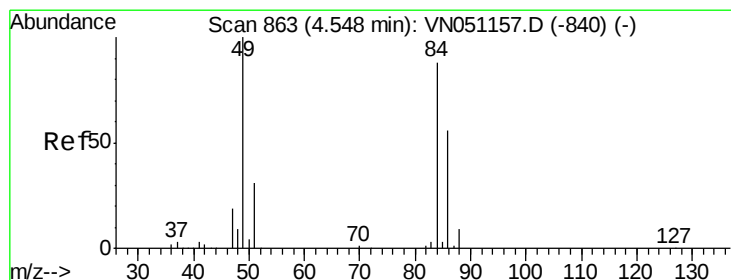
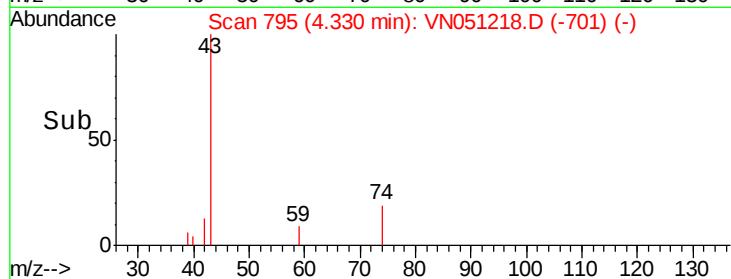
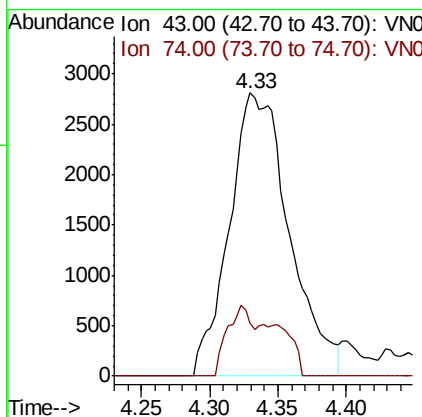
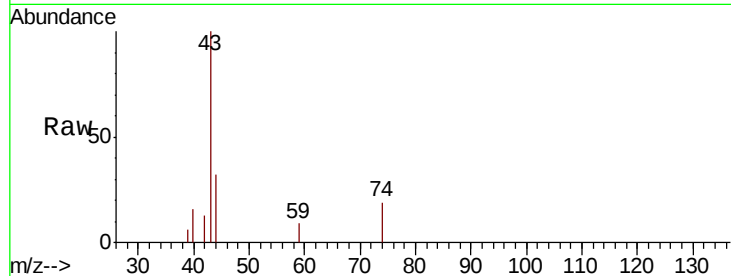




#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

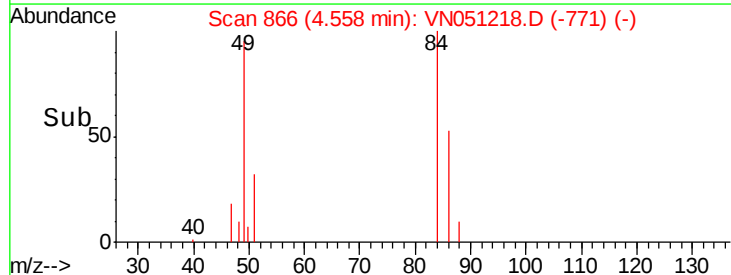
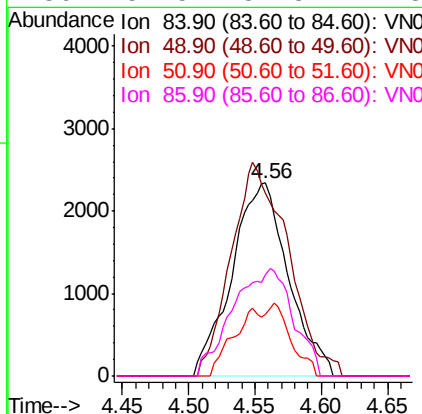
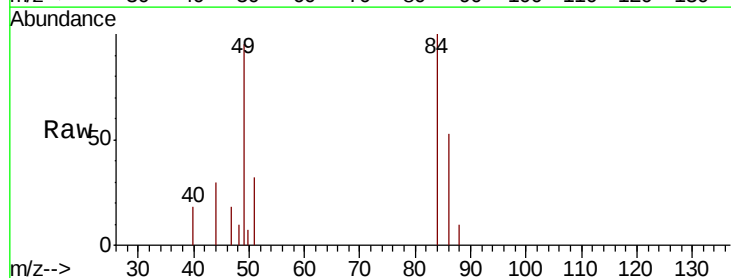
Instrument :
MSVOA_N
ClientSampled :

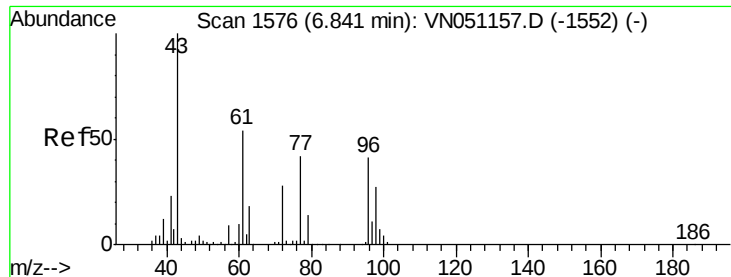
Tot Ion: 43 Resp: 8586
Ion Ratio Lower Upper
43 100
74 10.4 20.7 31.1#



#20
Methylene Chloride
Concen: 1.25 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 84 Resp: 6937
Ion Ratio Lower Upper
84 100
49 94.7 90.2 135.2
51 32.1 28.4 42.6
86 52.5 51.8 77.8

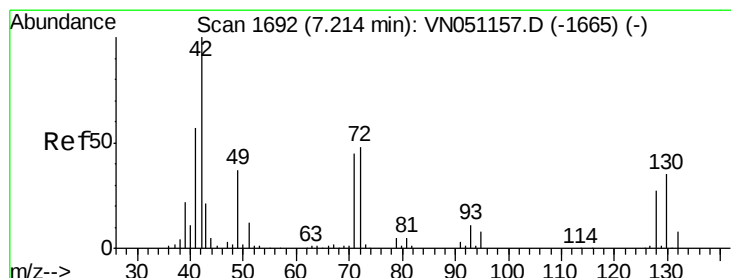
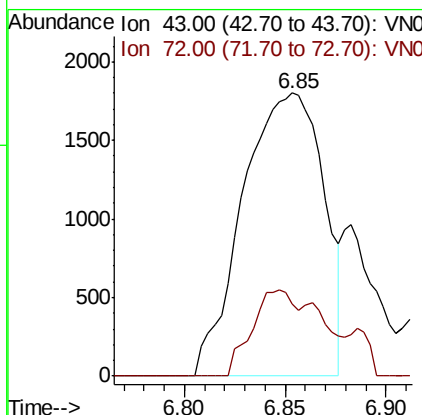
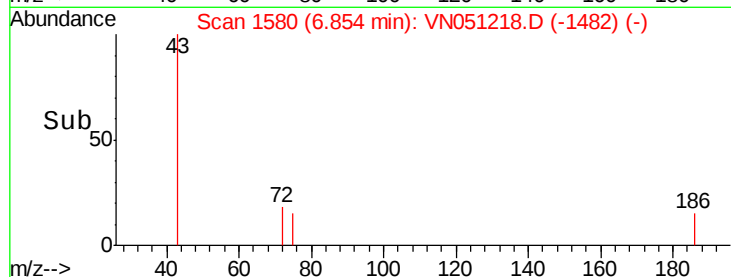
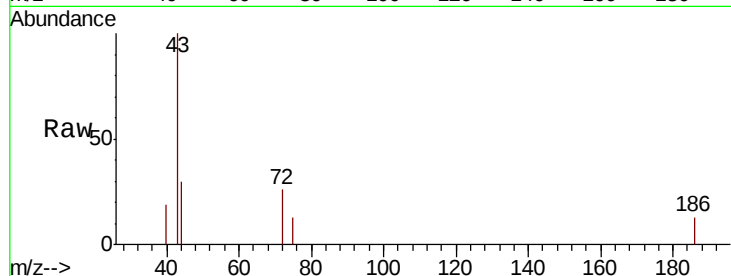




#25
2-Butanone
Concen: 2.54 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

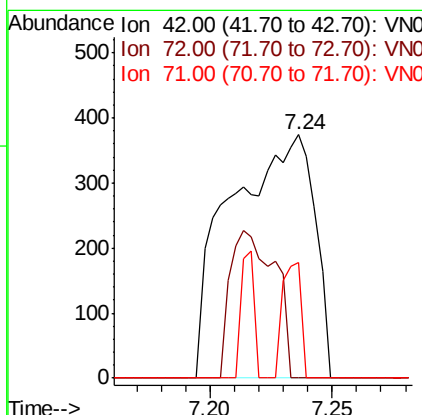
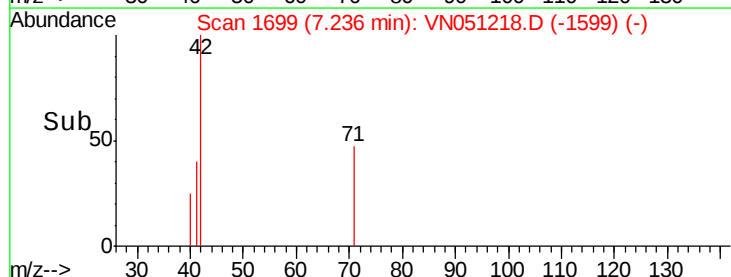
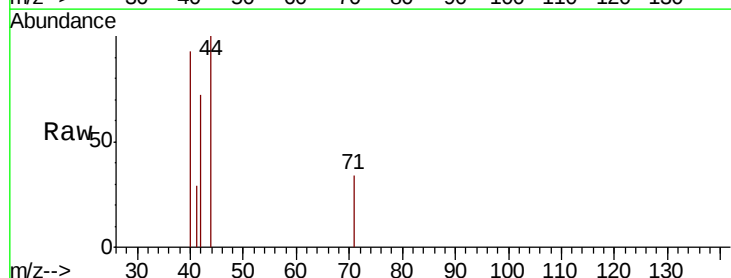
Instrument :
MSVOA_N
ClientSampled :

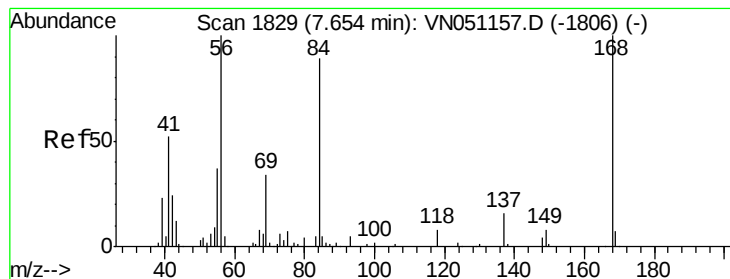
Tot Ion: 43 Resp: 5014
Ion Ratio Lower Upper
43 100
72 25.5 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.72 ug/l
RT: 7.24 min Scan# 1699
Delta R.T. 0.02 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 42 Resp: 892
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 10.9 34.7 52.1#





#31

Cyclohexane

Concen: 0.68 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :
MSVOA_N
ClientSampled :

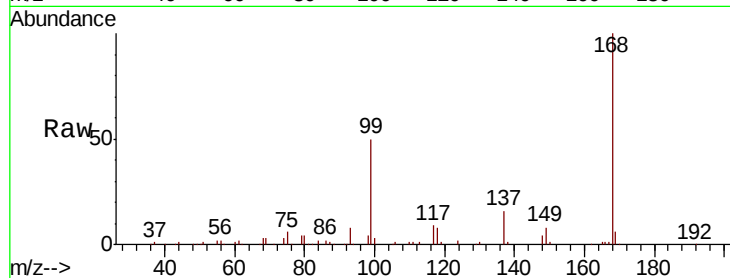
Tot Ion: 56 Resp: 7464

Ion Ratio Lower Upper

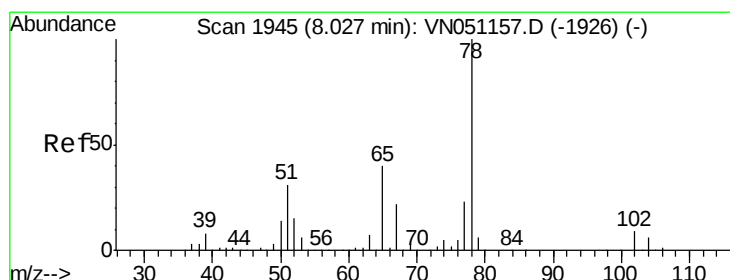
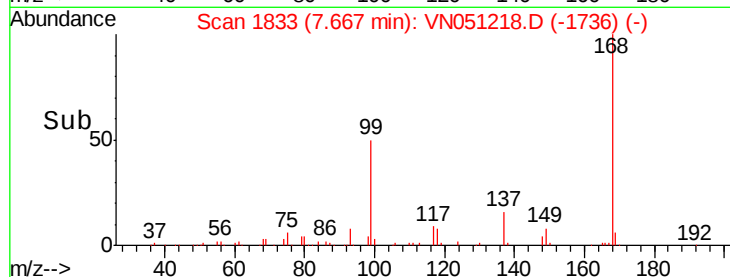
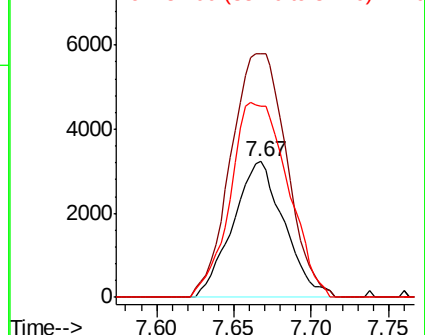
56 100

69 179.3 26.3 39.5#

84 140.9 69.4 104.0#



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: 47.00 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051218.D

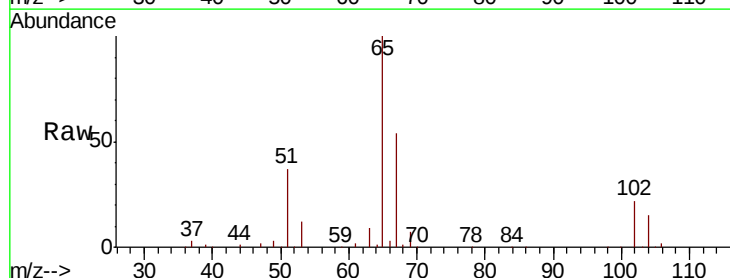
Acq: 15 Sep 2018 13:27

Tgt Ion: 65 Resp: 235936

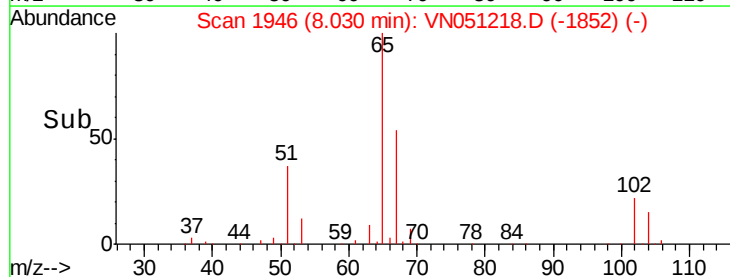
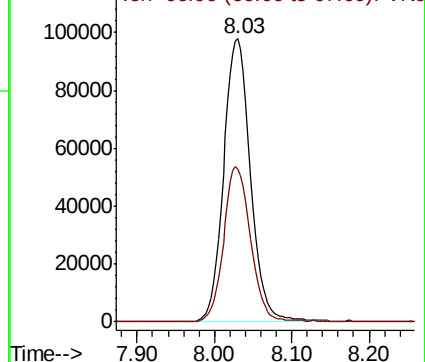
Ion Ratio Lower Upper

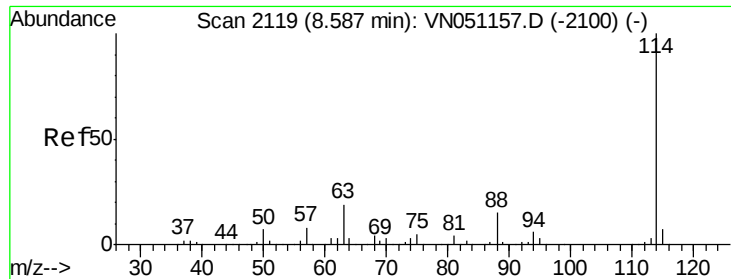
65 100

67 54.9 0.0 112.0



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

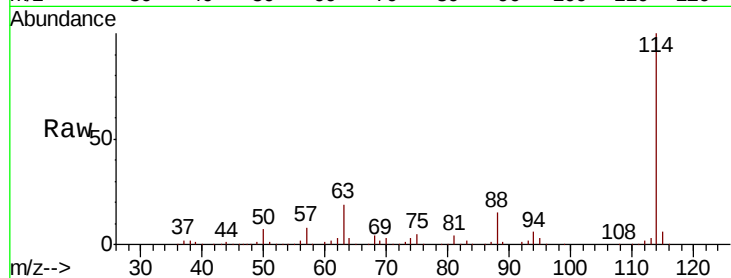




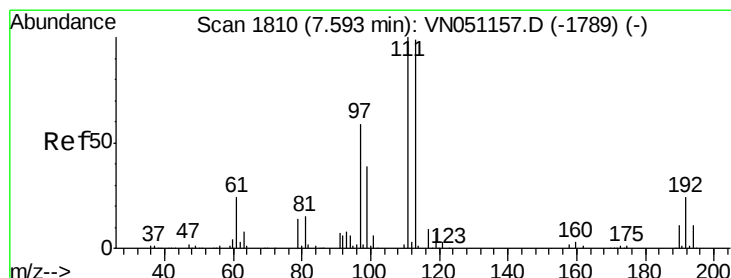
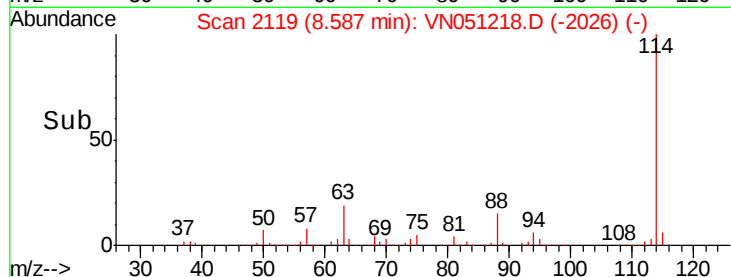
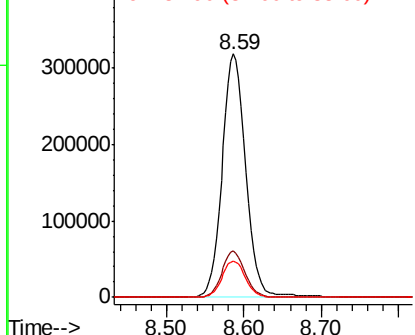
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051218.D
 Acq: 15 Sep 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 674922
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 14.8 0.0 30.8

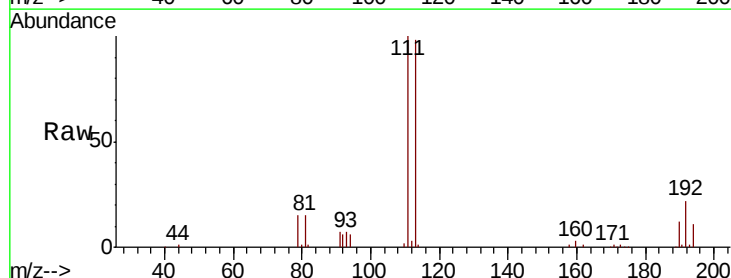


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

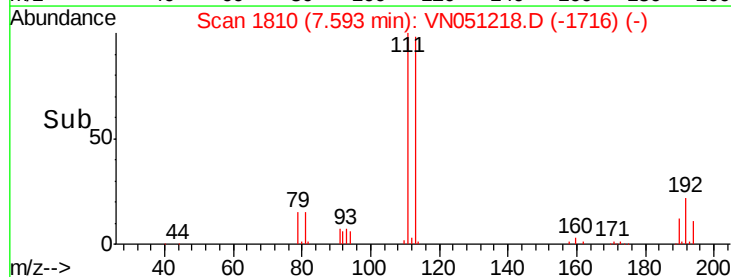
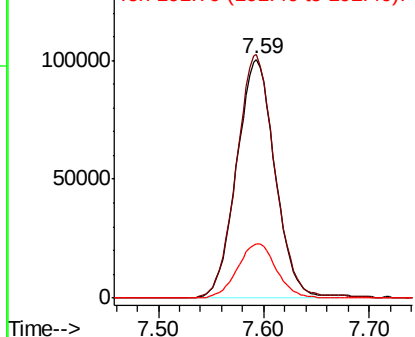


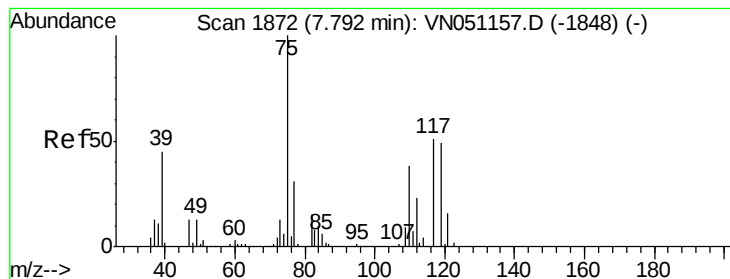
#35
 Dibromofluoromethane
 Concen: 50.10 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051218.D
 Acq: 15 Sep 2018 13:27

Tgt Ion:113 Resp: 254079
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.0 124.6
 192 23.1 18.7 28.1



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





#36

1,1-Dichloropropene

Concen: 4.02 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

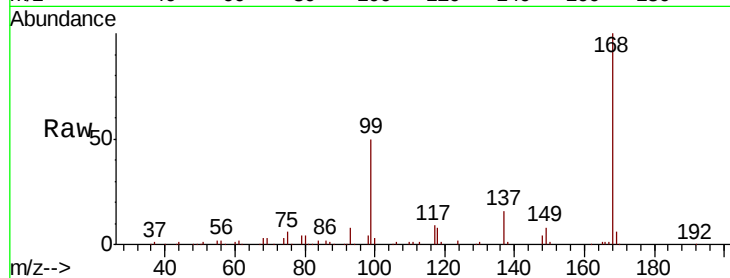
Tot Ion: 75 Resp: 29759

Ion Ratio Lower Upper

75 100

110 7.6 18.6 55.8#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN051157.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN051157.D (-1848) (-)

7.67

15000

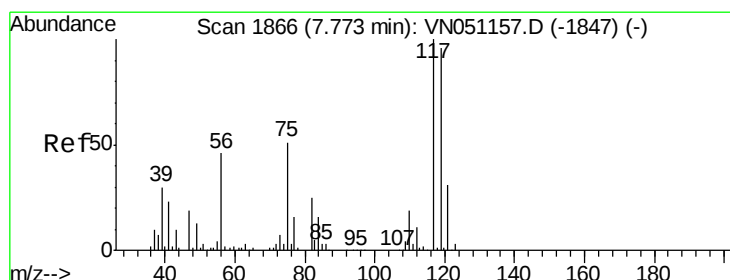
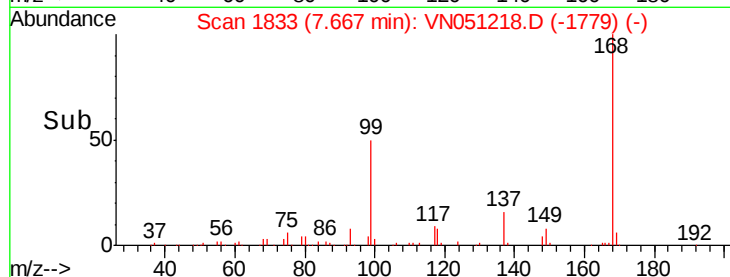
10000

5000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#38

Carbon Tetrachloride

Concen: 5.35 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

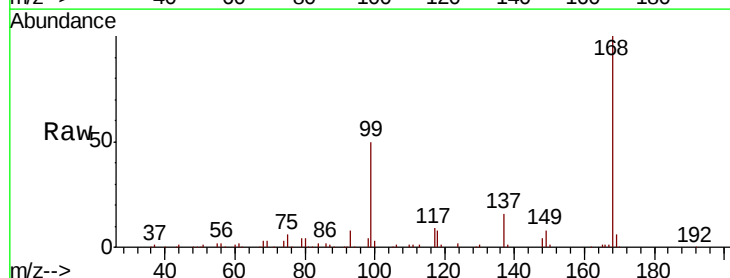
Tgt Ion: 117 Resp: 39037

Ion Ratio Lower Upper

117 100

119 6.4 76.8 115.2#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN051157.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051157.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051157.D (-1847) (-)

7.67

20000

15000

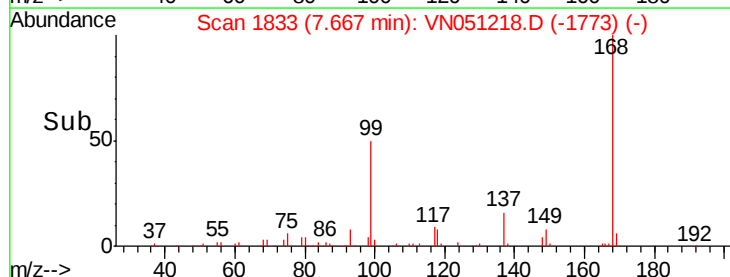
10000

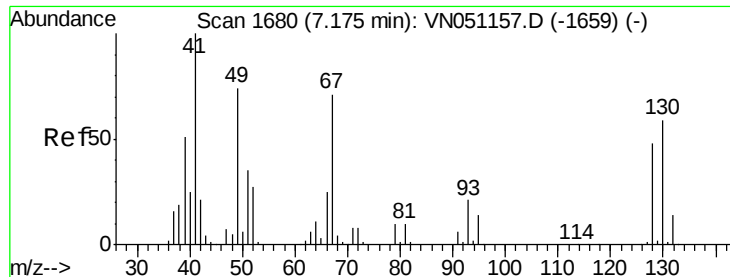
5000

0

7.60 7.65 7.70 7.75

Time-->

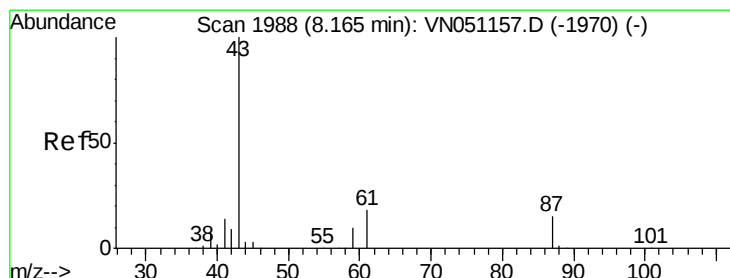
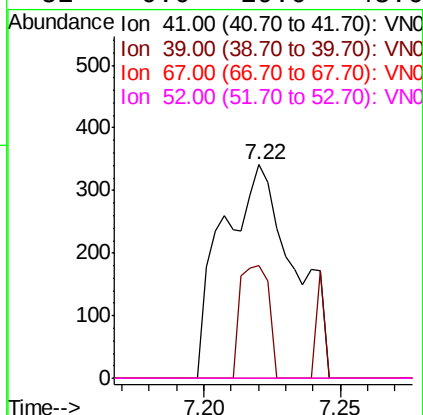
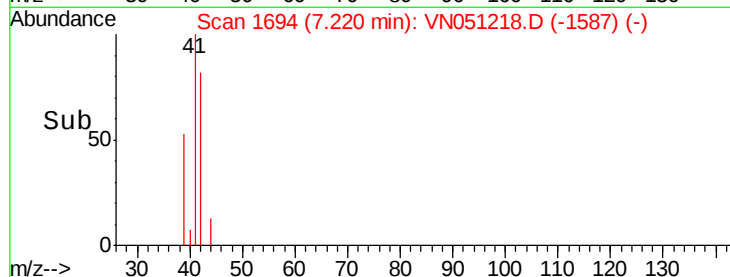
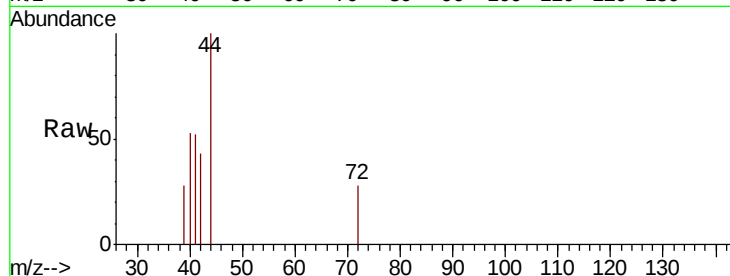




#41
Methacrylonitrile
Concen: 0.28 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.04 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

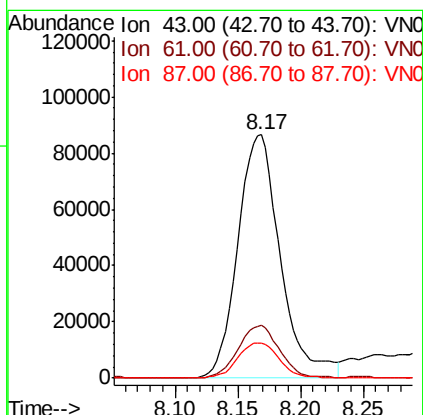
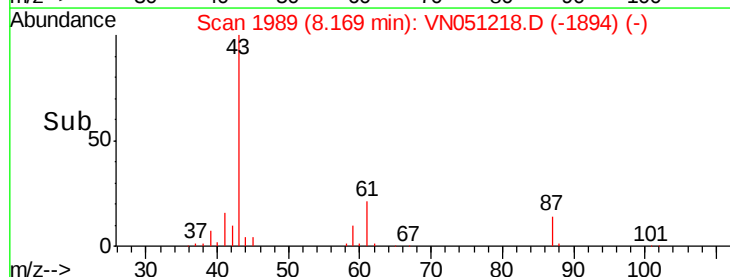
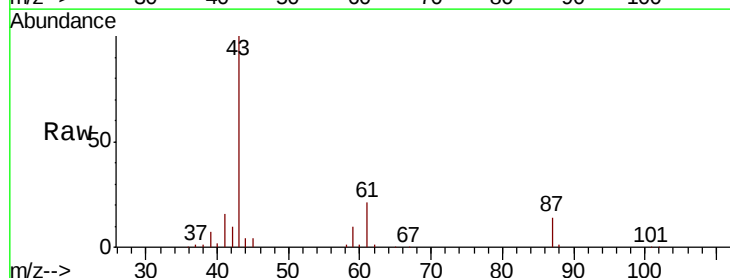
Instrument :
MSVOA_N
ClientSampled :

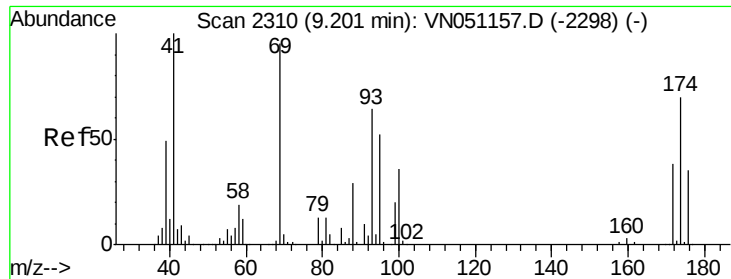
Tot Ion: 41 Resp: 617
Ion Ratio Lower Upper
41 100
39 21.2 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#43
Isopropyl Acetate
Concen: 27.05 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 43 Resp: 204840
Ion Ratio Lower Upper
43 100
61 21.0 25.0 37.6#
87 14.1 11.8 17.8

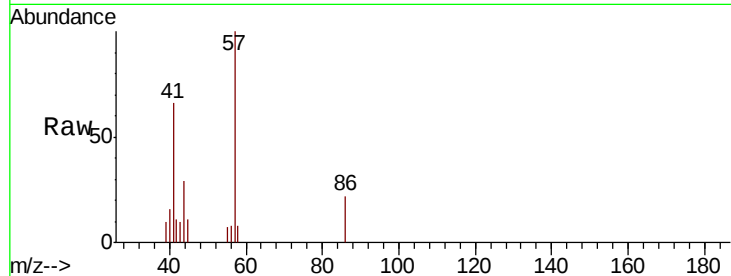




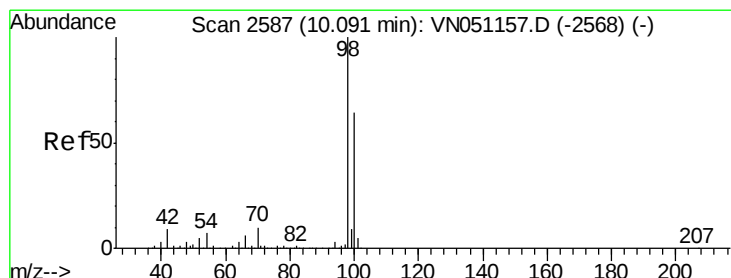
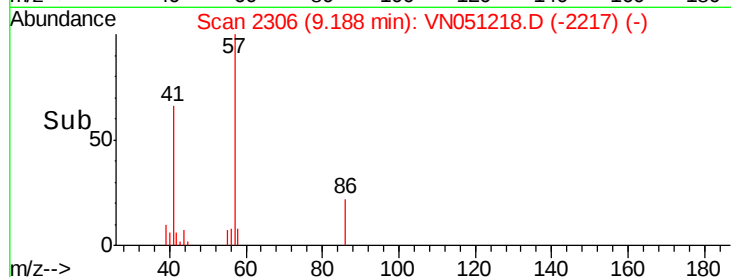
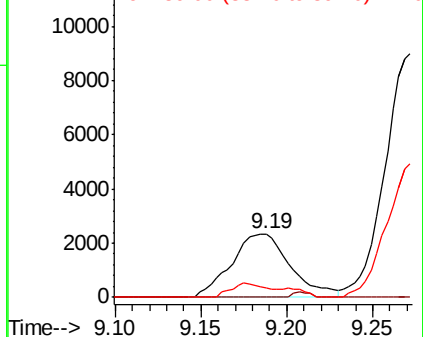
#48
Methyl methacrylate
Concen: 1.51 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 5590
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 14.0 41.6 62.4#

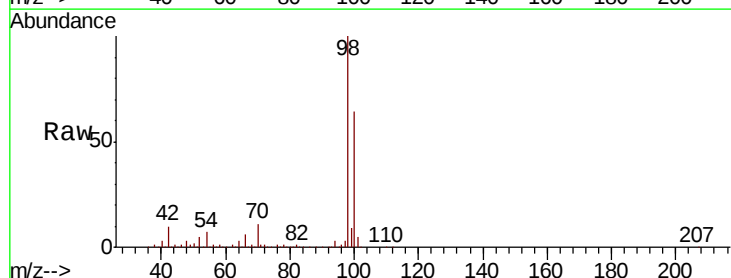


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

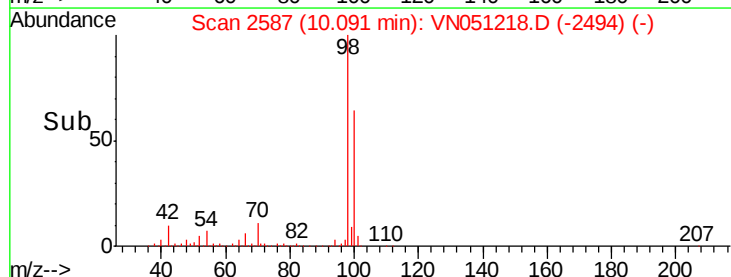
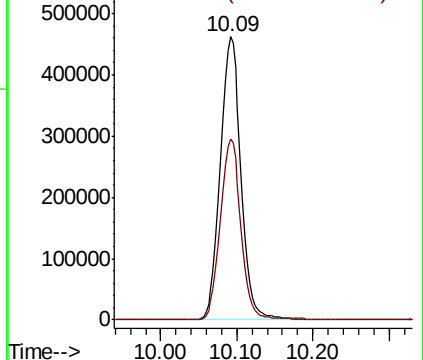


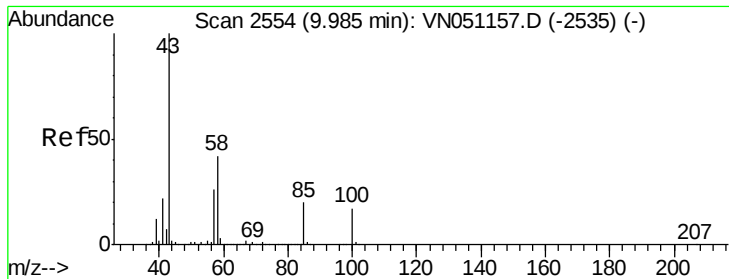
#50
Toluene-d8
Concen: 45.53 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 98 Resp: 876250
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



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: 0.59 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

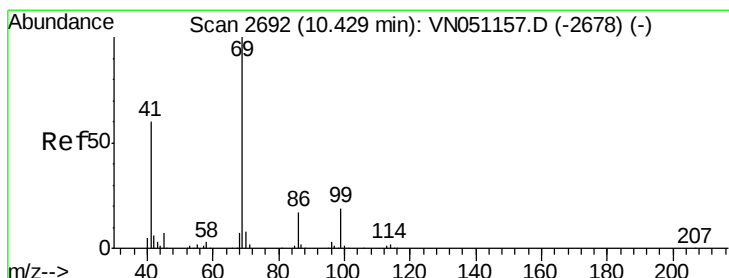
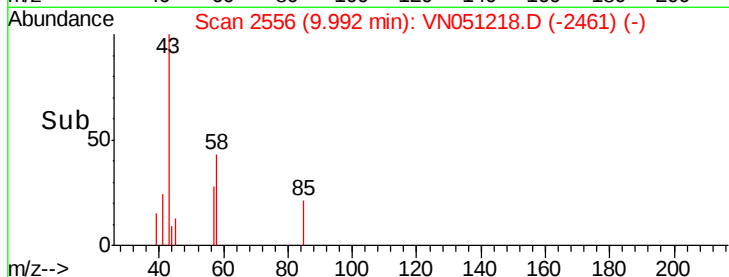
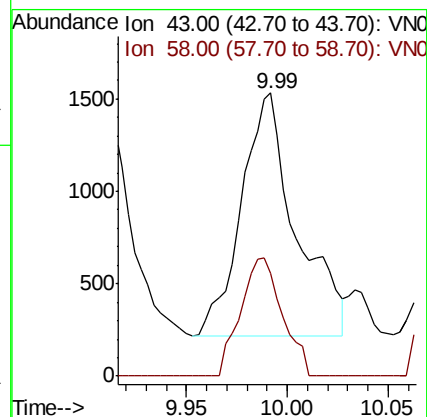
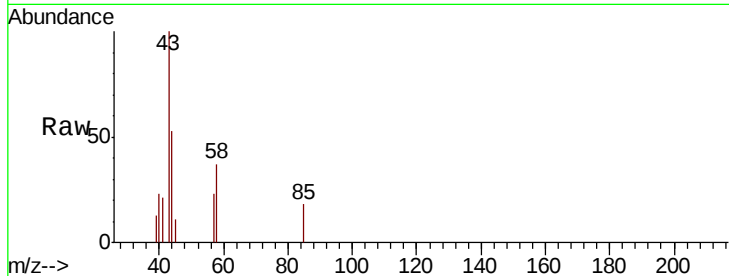
ClientSampleId :

Tot Ion: 43 Resp: 2489

Ion Ratio Lower Upper

43 100

58 37.5 33.5 50.3



#56

Ethyl methacrylate

Concen: 2.48 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

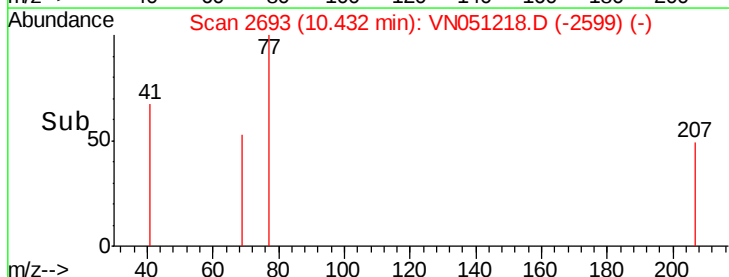
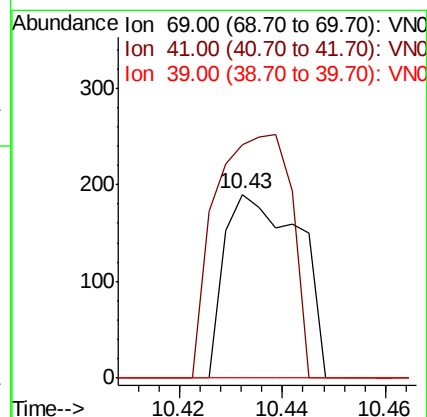
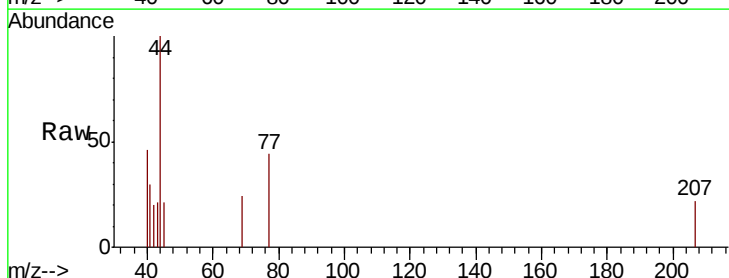
Tgt Ion: 69 Resp: 190

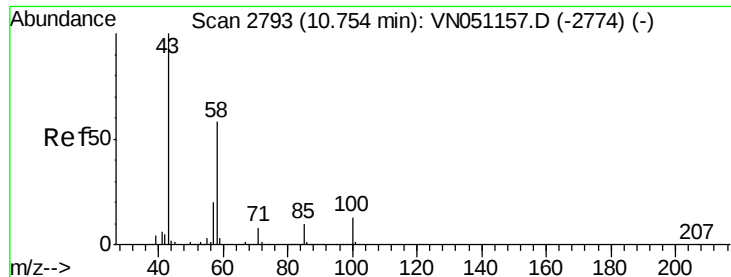
Ion Ratio Lower Upper

69 100

41 135.3 47.8 71.8#

39 0.0 23.0 34.4#

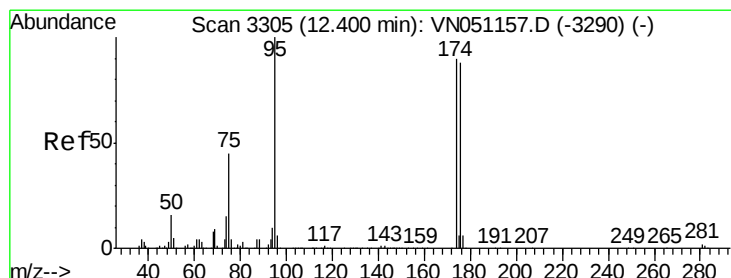
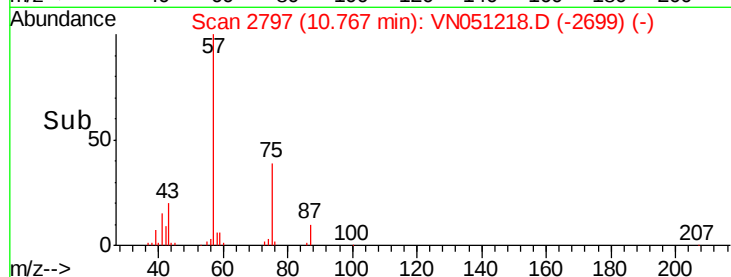
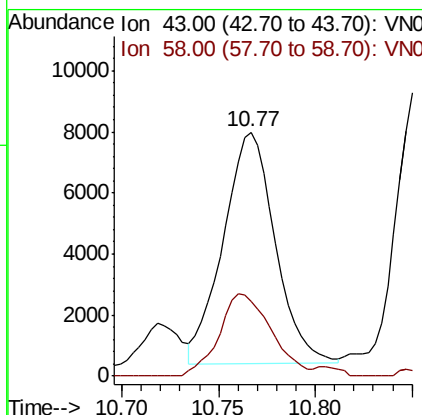
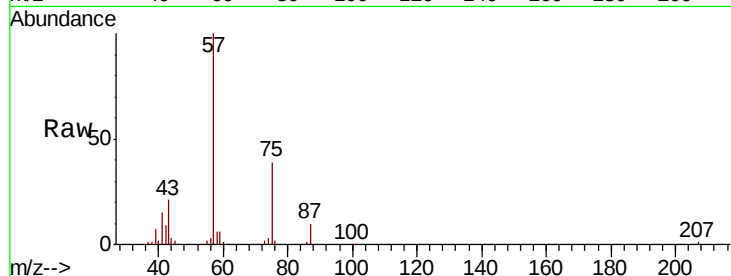




#59
2-Hexanone
Concen: 4.98 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

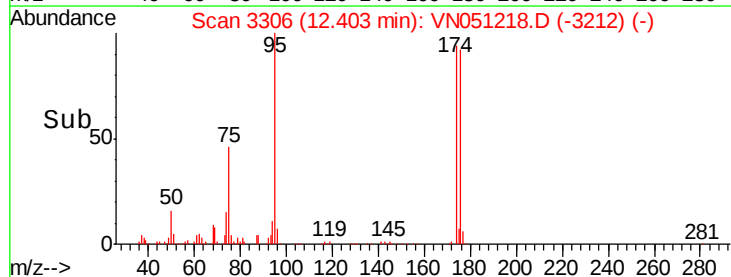
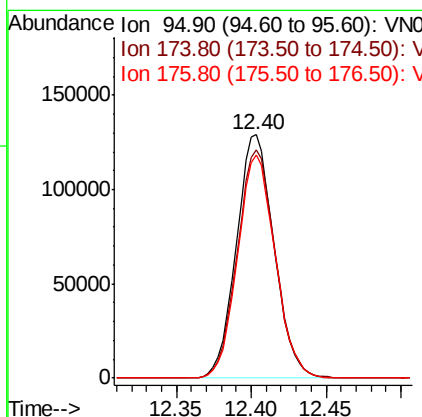
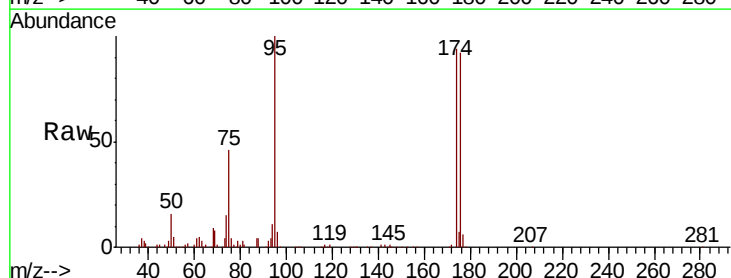
Instrument :
MSVOA_N
ClientSampled :

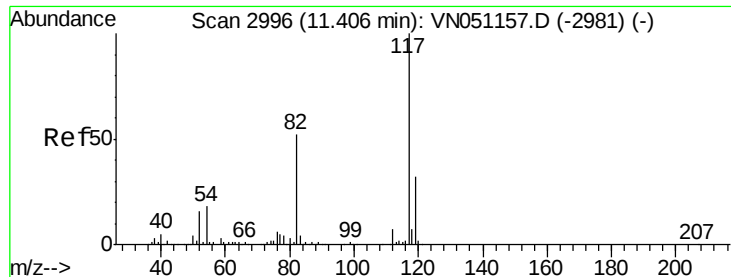
Tot Ion: 43 Resp: 14154
Ion Ratio Lower Upper
43 100
58 35.8 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 35.48 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 95 Resp: 225876
Ion Ratio Lower Upper
95 100
174 94.8 0.0 184.8
176 91.7 0.0 178.6

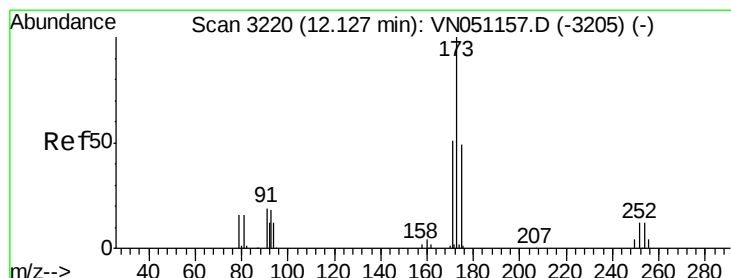
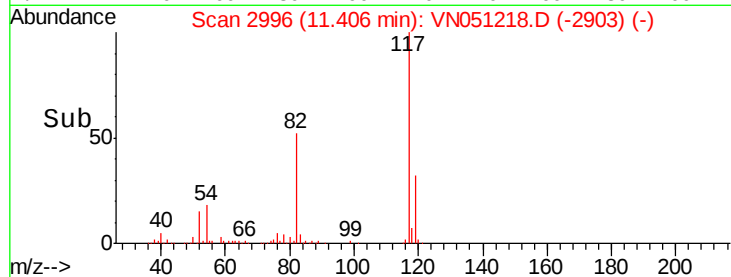
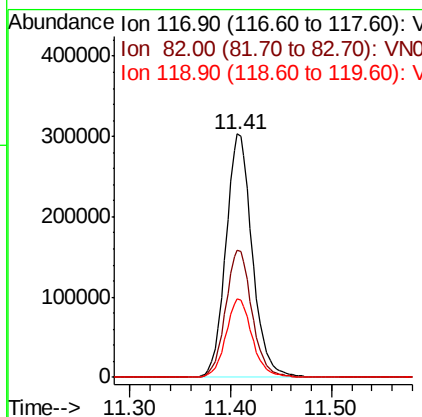
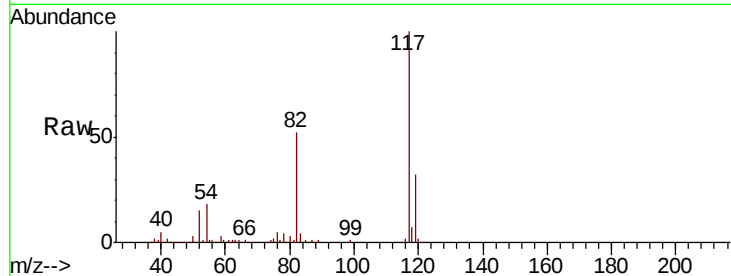




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

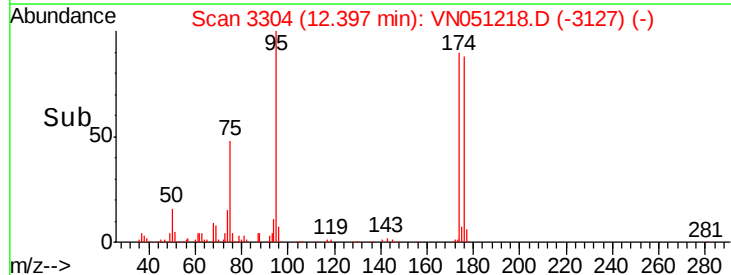
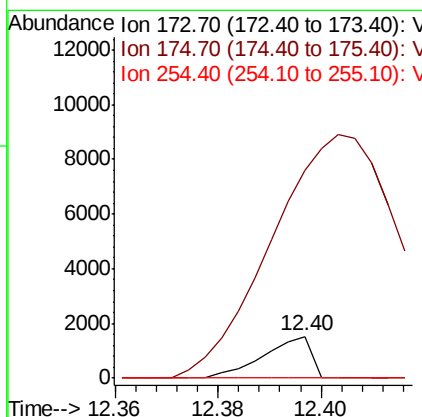
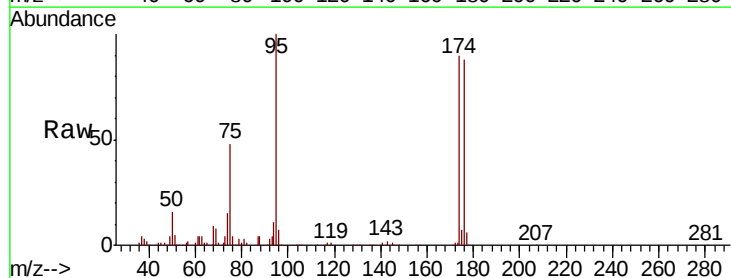
Instrument :
MSVOA_N
ClientSampleId :

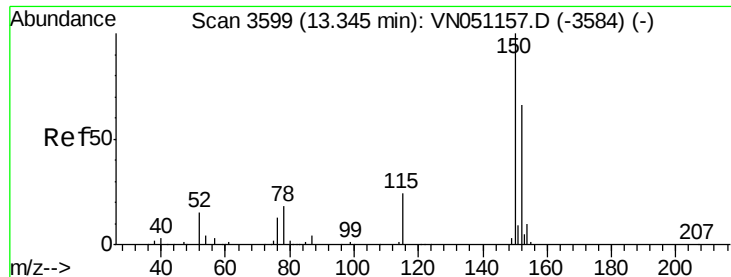
Tot Ion:117 Resp: 552707
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 32.4 26.2 39.2



#71
Bromoform
Concen: 0.27 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion:173 Resp: 966
Ion Ratio Lower Upper
173 100
175 1359.6 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

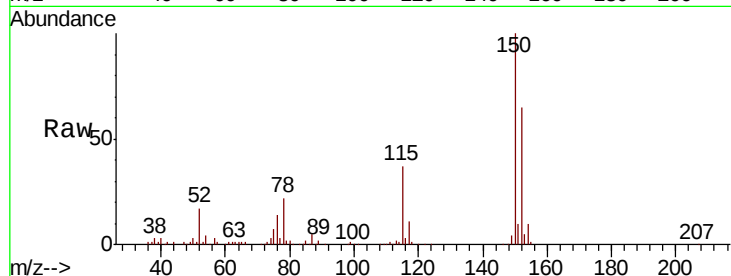
Tot Ion:152 Resp: 158967

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

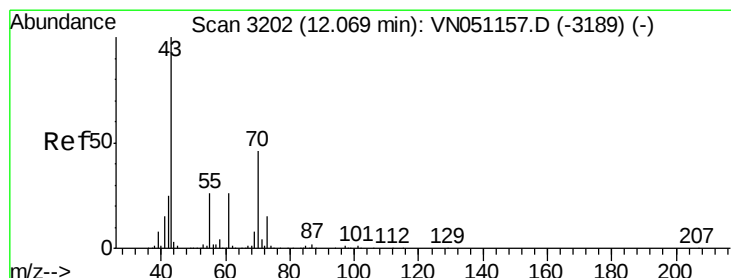
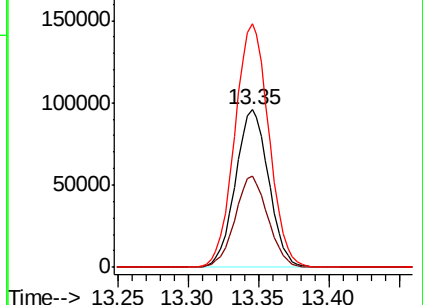
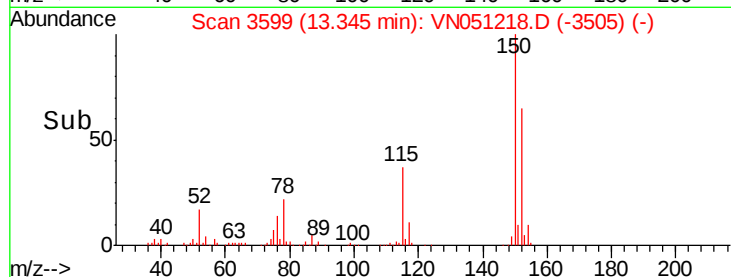
150 157.8 0.0 349.0



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



#74

N-ethyl acetate

Concen: 0.35 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Tgt Ion: 43 Resp: 1167

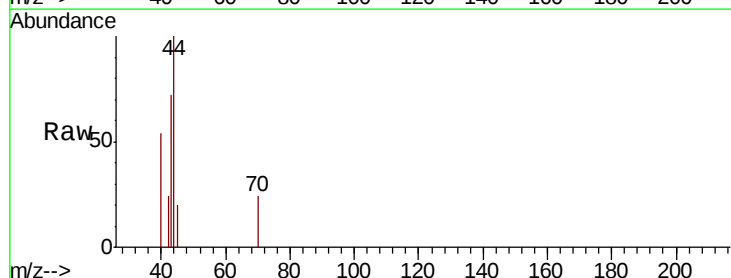
Ion Ratio Lower Upper

43 100

70 15.6 37.0 55.4#

55 0.0 21.3 31.9#

61 0.0 20.7 31.1#

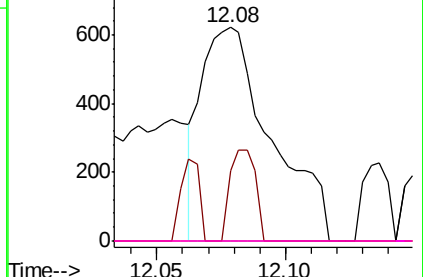
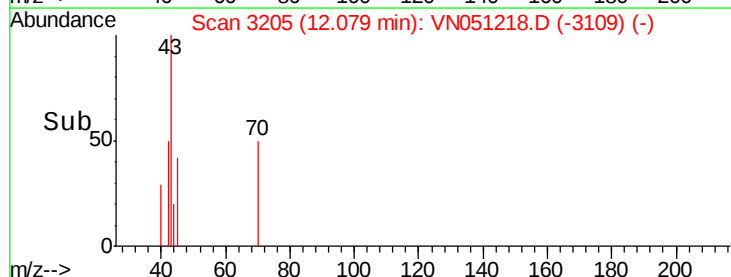


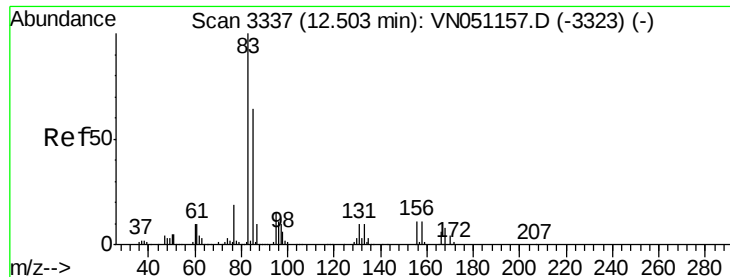
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

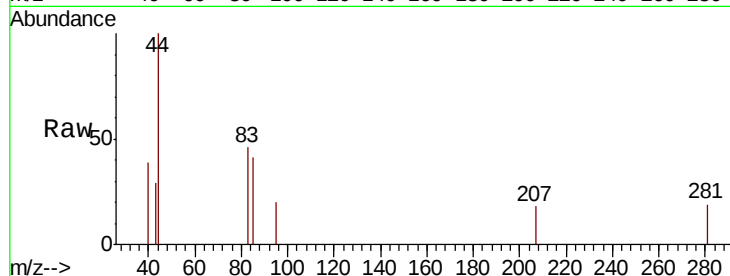
Tot Ion: 83 Resp: 558

Ion Ratio Lower Upper

83 100

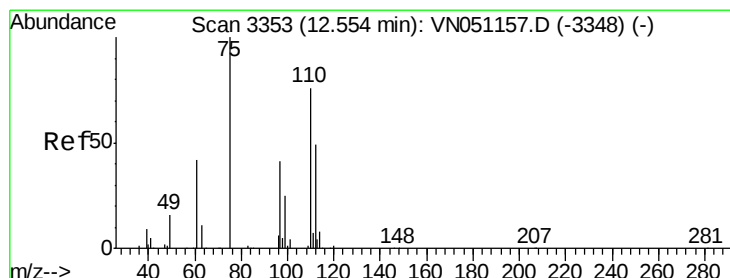
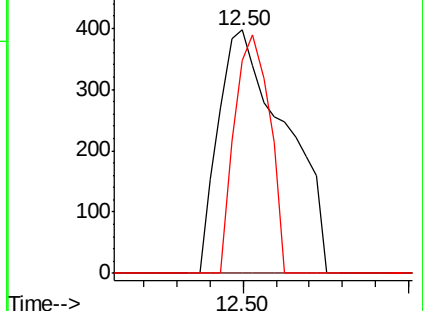
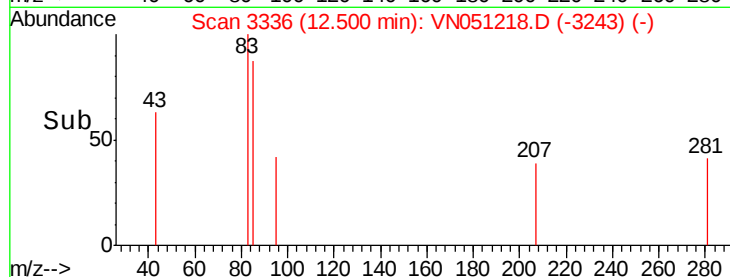
131 0.0 5.3 16.1#

85 51.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO

12.50



#76

1,2,3-Trichloropropane

Concen: 42.67 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051218.D

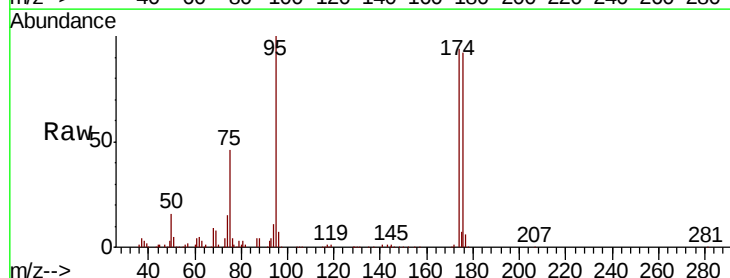
Acq: 15 Sep 2018 13:27

Tgt Ion: 75 Resp: 105698

Ion Ratio Lower Upper

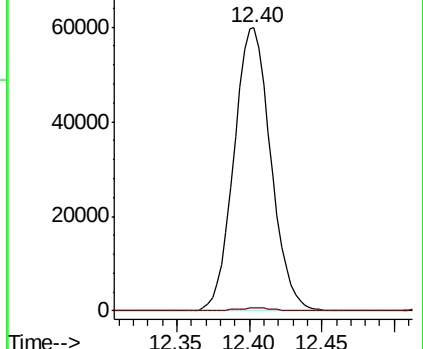
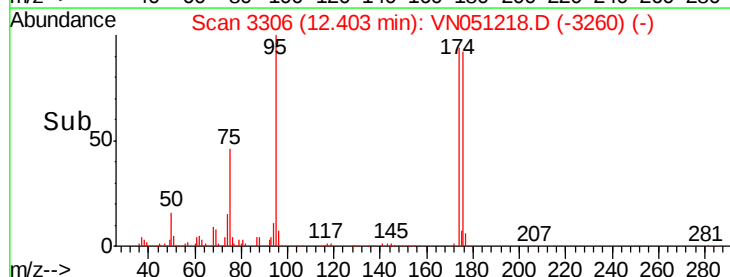
75 100

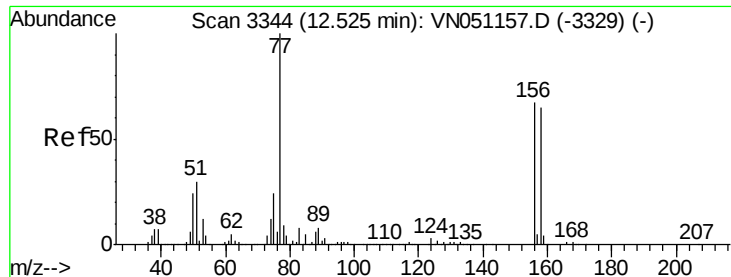
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

12.40





#77

Bromobenzene

Concen: 0.20 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

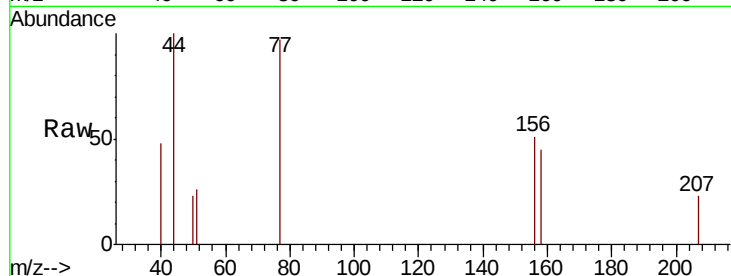
Tot Ion:156 Resp: 721

Ion Ratio Lower Upper

156 100

77 197.4 87.5 262.6

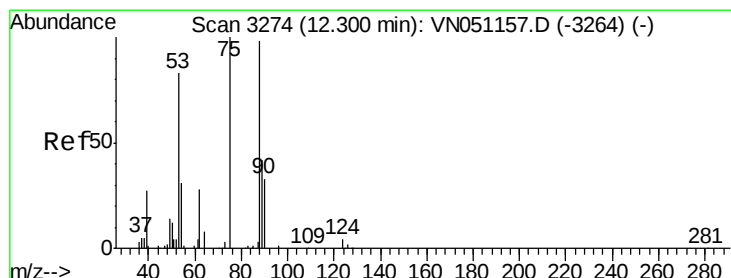
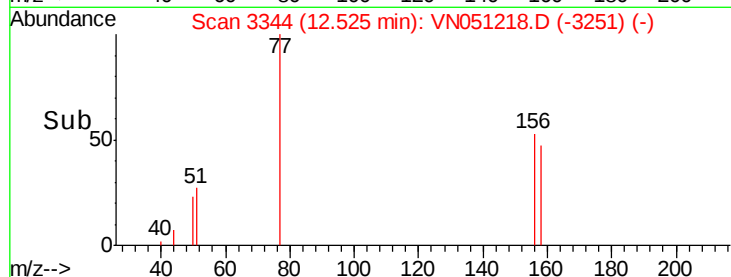
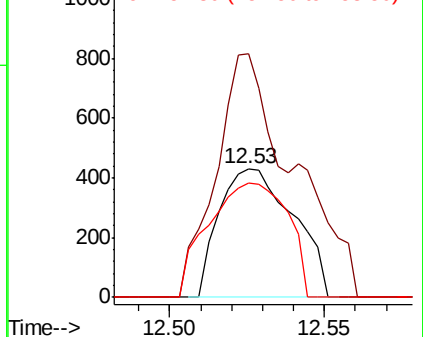
158 94.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 126.28 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

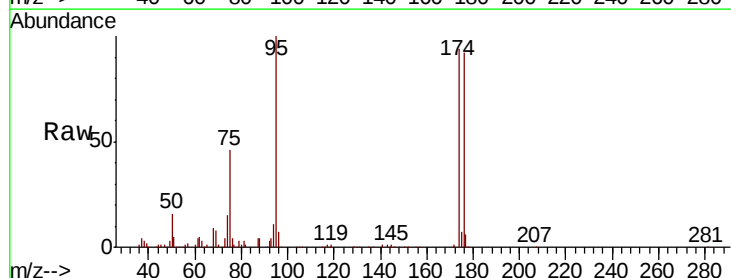
Tgt Ion: 75 Resp: 105698

Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

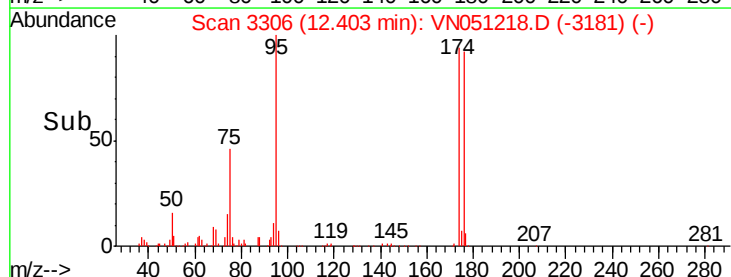
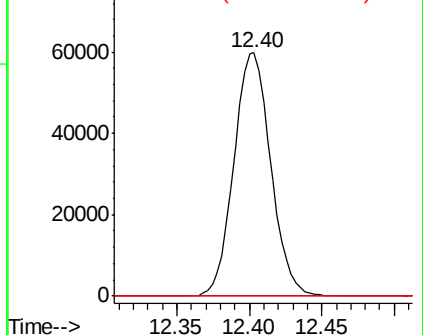
89 0.0 36.0 54.0#

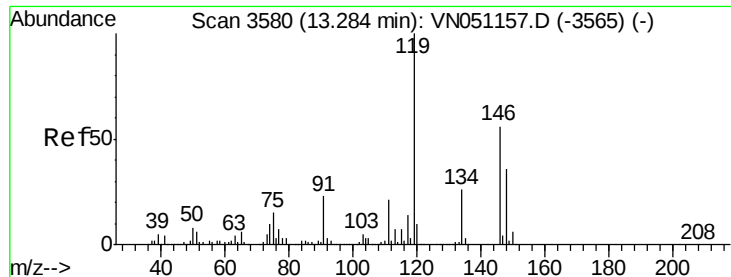


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

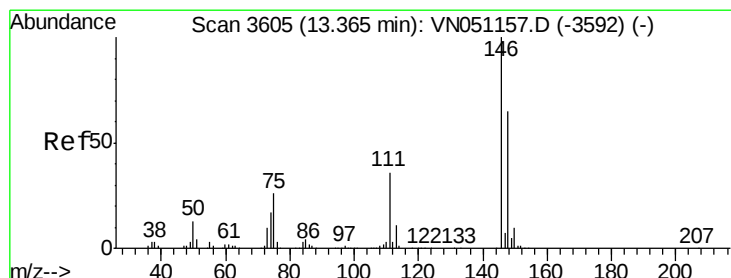
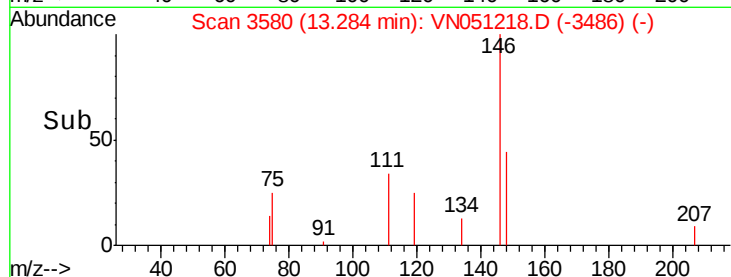
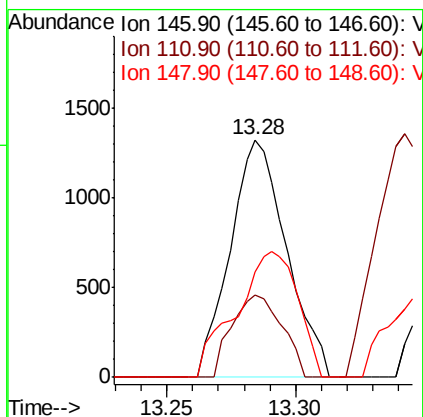
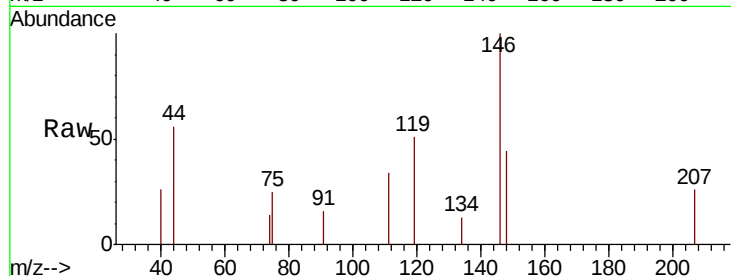




#87
 1,3-Dichlorobenzene
 Concen: 0.33 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051218.D
 Acq: 15 Sep 2018 13:27

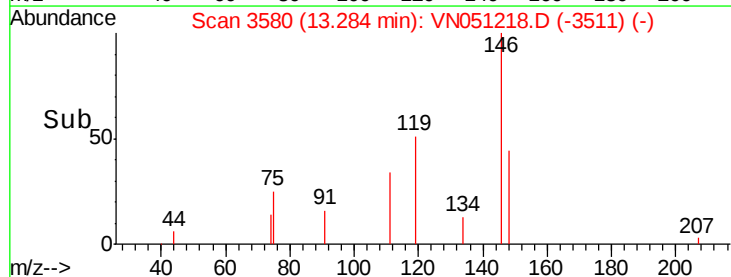
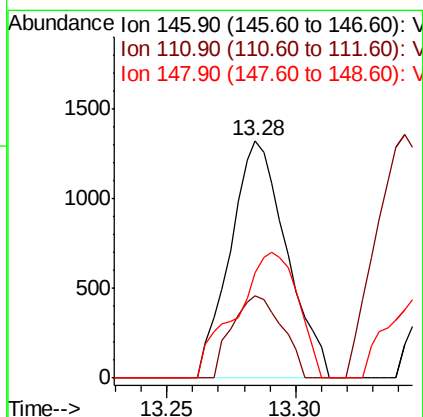
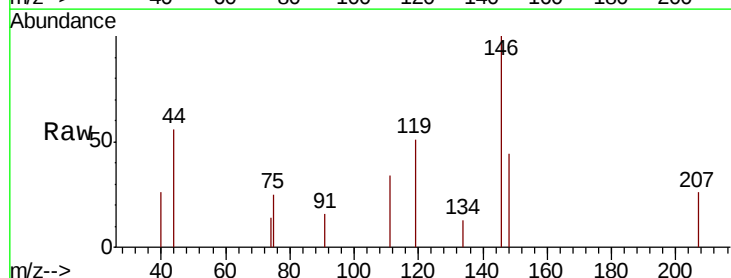
Instrument :
 MSVOA_N
 ClientSampled :

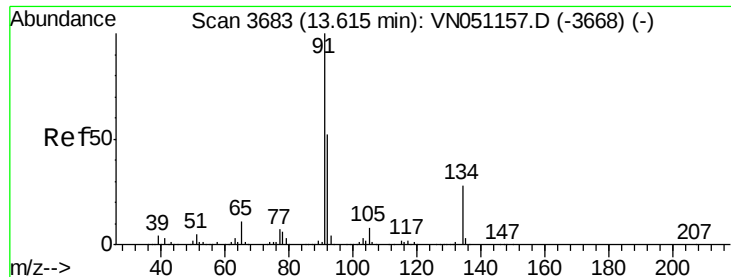
Tot Ion:146 Resp: 2013
 Ion Ratio Lower Upper
 146 100
 111 30.9 19.1 57.1
 148 58.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 0.37 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN051218.D
 Acq: 15 Sep 2018 13:27

Tgt Ion:146 Resp: 2013
 Ion Ratio Lower Upper
 146 100
 111 30.9 18.4 55.0
 148 58.3 32.2 96.6

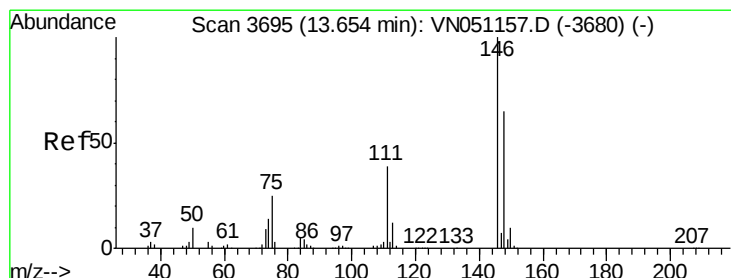
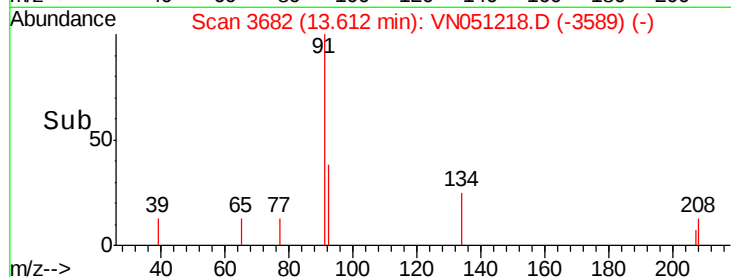
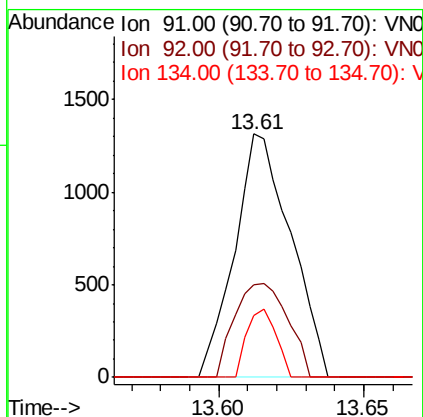
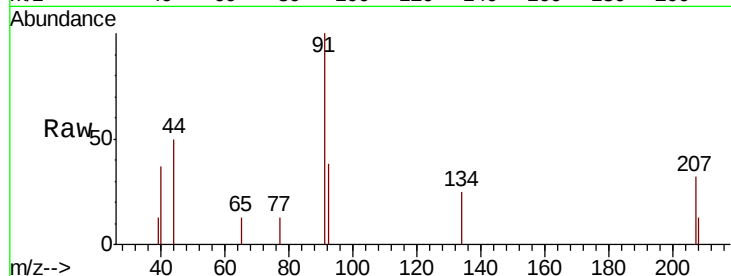




#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

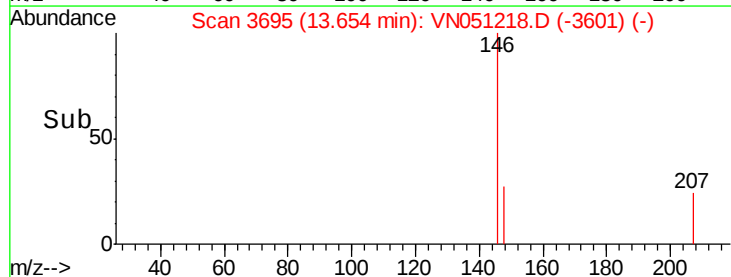
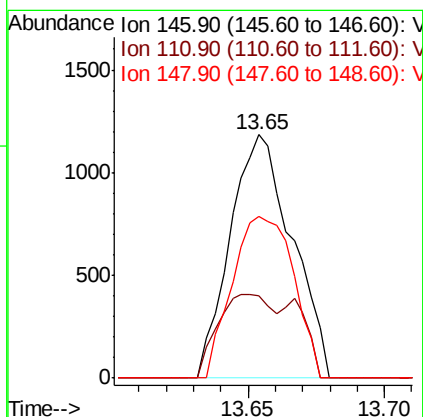
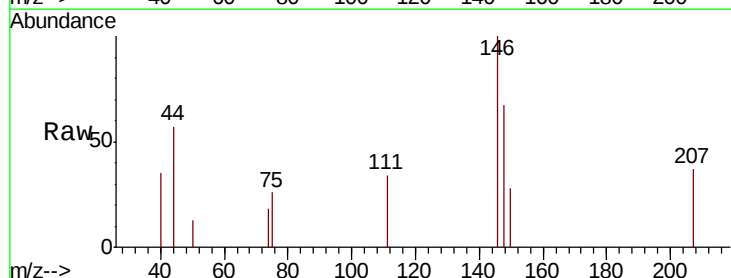
Instrument :
MSVOA_N
ClientSampleId :

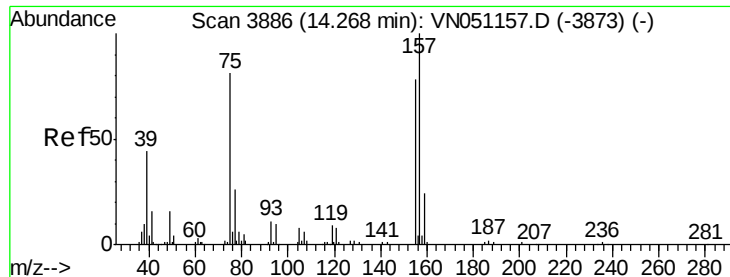
Tot Ion: 91 Resp: 1766
Ion Ratio Lower Upper
91 100
92 36.4 26.2 78.6
134 14.8 13.7 41.1



#91
1,2-Dichlorobenzene
Concen: 0.32 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051218.D
Acq: 15 Sep 2018 13:27

Tgt Ion: 146 Resp: 1868
Ion Ratio Lower Upper
146 100
111 30.7 19.7 59.0
148 65.6 32.1 96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.00 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

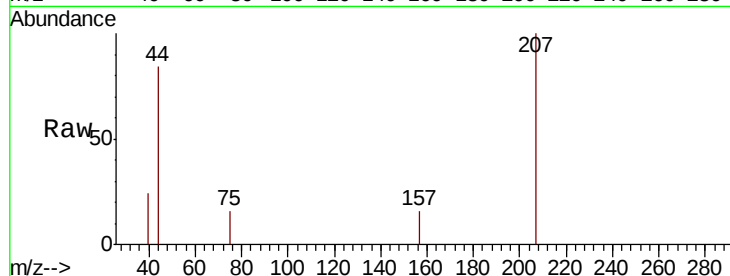
Tot Ion: 75 Resp: 160

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

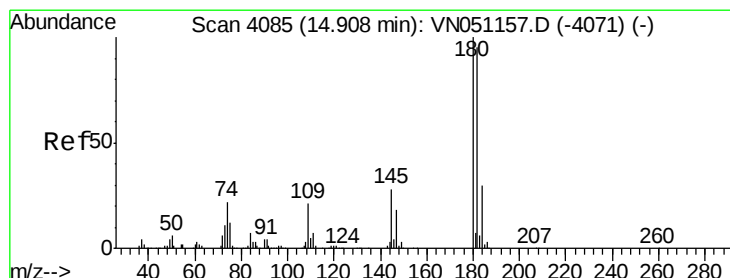
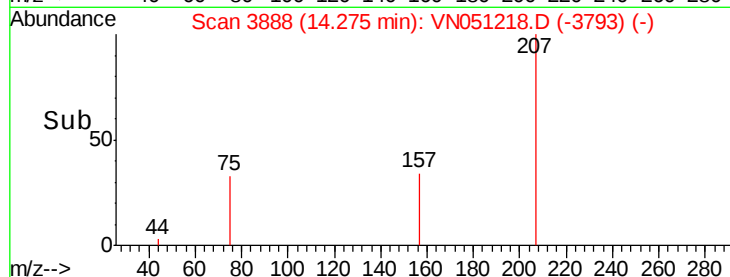
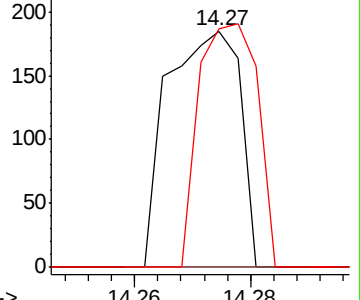
157 84.4 63.6 190.9



Abundance Ion 74.90 (74.60 to 75.60): VN051157.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN051157.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN051157.D (-3873) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.77 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

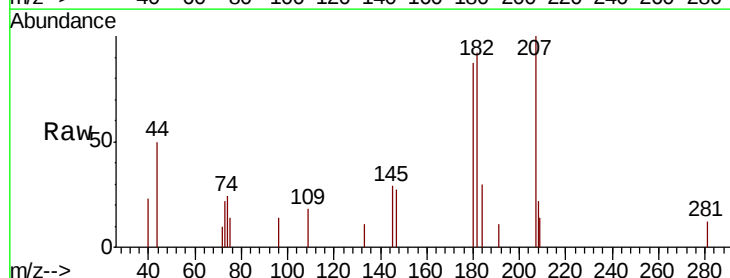
Tgt Ion: 180 Resp: 2446

Ion Ratio Lower Upper

180 100

182 105.6 47.3 141.8

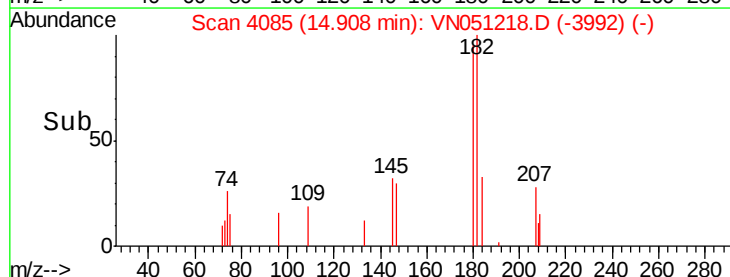
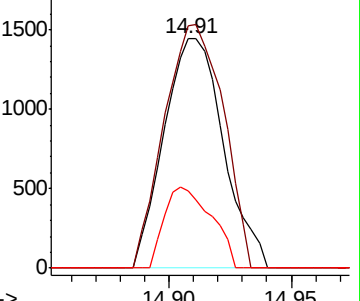
145 27.9 14.2 42.6

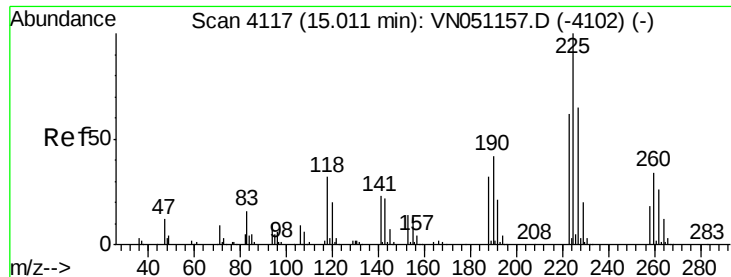


Abundance Ion 179.80 (179.50 to 180.50): VN051157.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN051157.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN051157.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

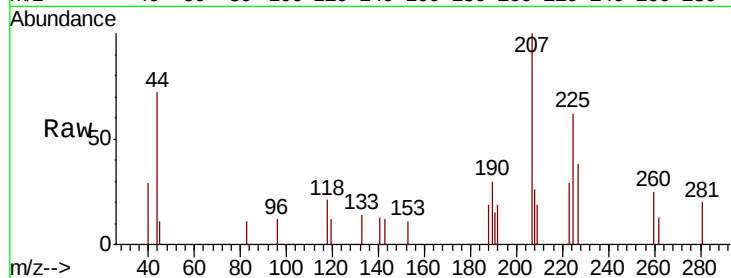
Tot Ion:225 Resp: 1422

Ion Ratio Lower Upper

225 100

223 61.6 31.4 94.0

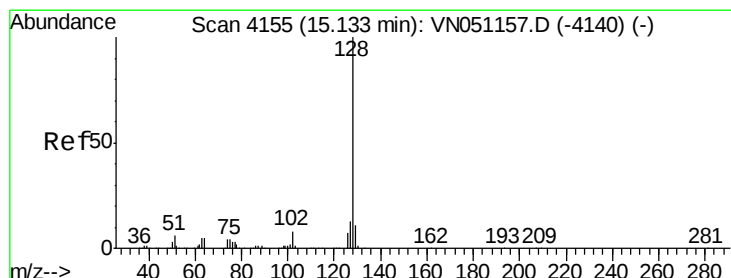
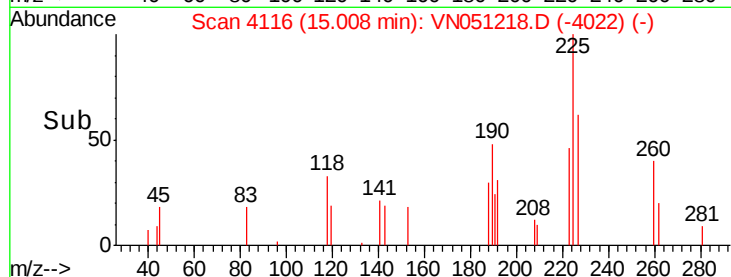
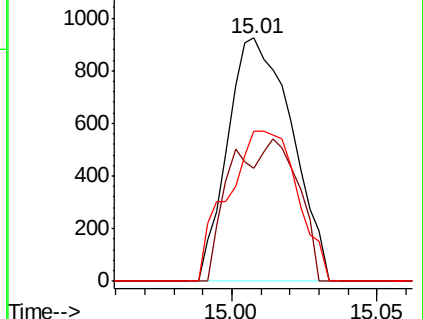
227 67.2 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 6.25 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051218.D

Acq: 15 Sep 2018 13:27

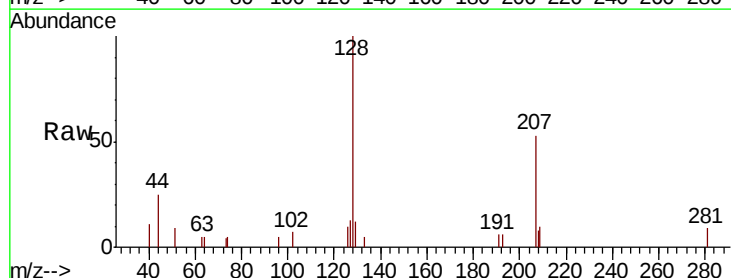
Tgt Ion:128 Resp: 6109

Ion Ratio Lower Upper

128 100

127 12.2 10.6 15.8

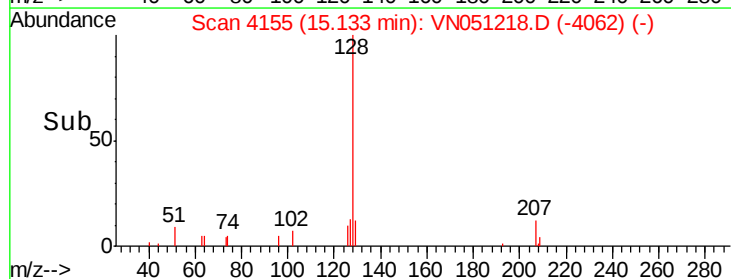
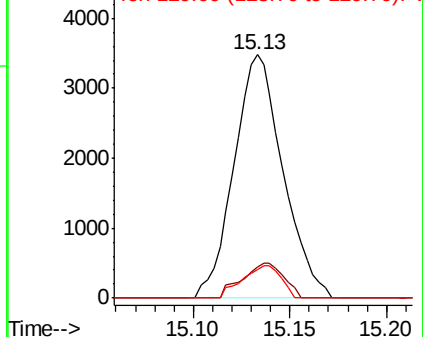
129 10.6 8.6 12.8

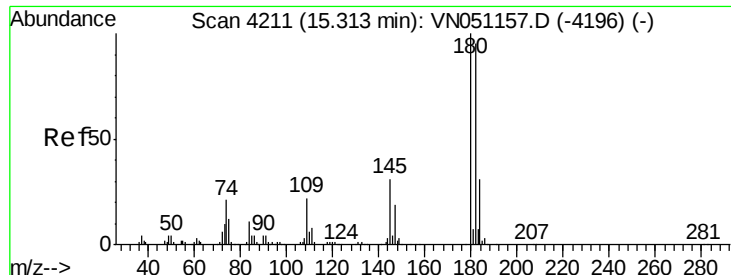


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.98 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN051218.D
 Acq: 15 Sep 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	47.8	143.3
145	27.2	14.6	43.8

