

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051229.D
 Acq On : 15 Sep 2018 17:58
 Operator : MD\SY
 Sample : PB112879ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:16:57 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	425057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	552266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	164055	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	235661	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	251198	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	864875	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	
62) 4-Bromofluorobenzene	12.40	95	226282	35.11	ug/l	0.00
Spiked Amount			Recovery	=	70.22%	

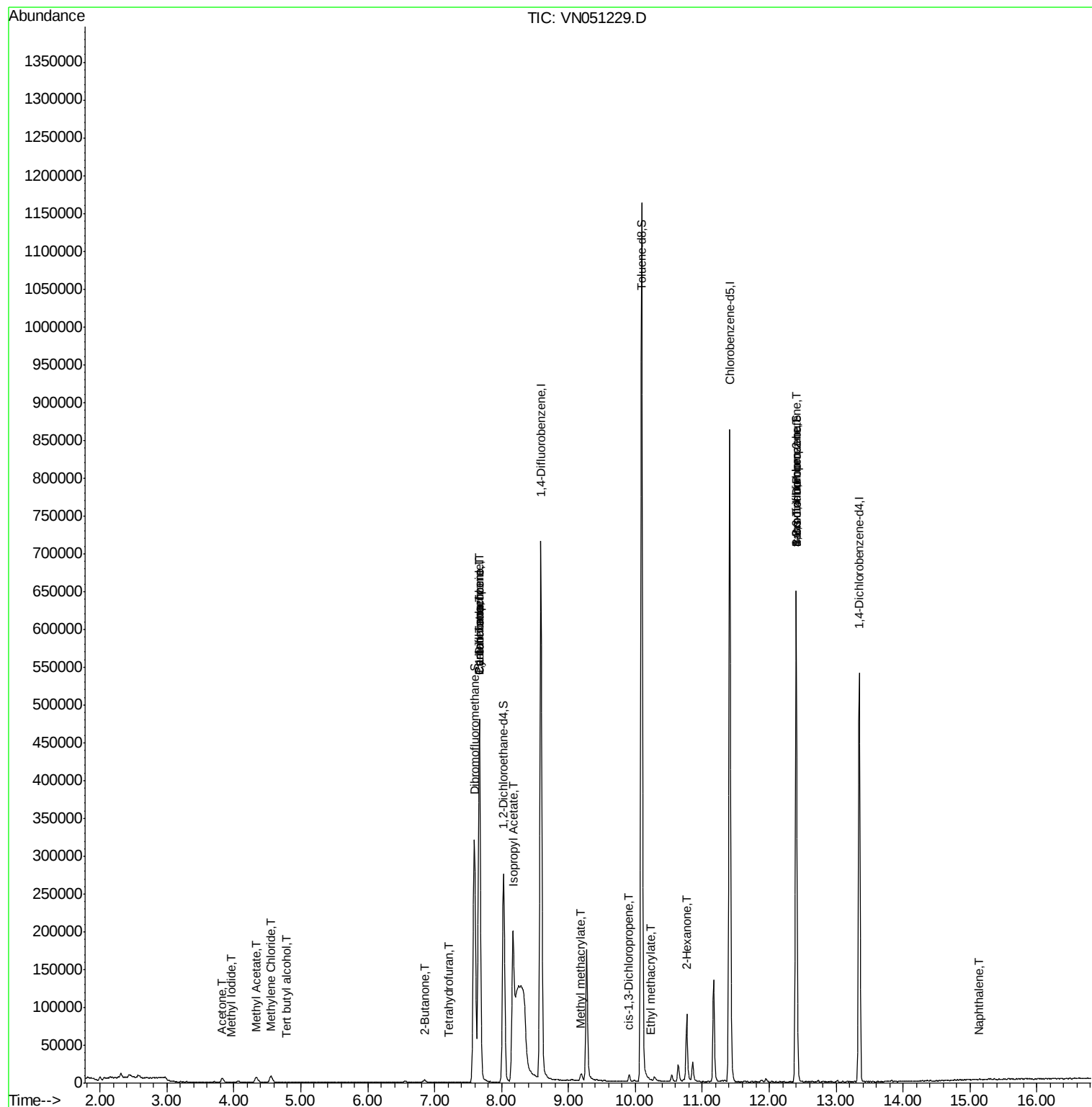
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2103	Below Cal		98
5) Bromomethane	2.57	94	2176	Below Cal		83
10) Methyl Iodide	3.96	142	167	5.66	ug/l #	44
11) Tert butyl alcohol	4.78	59	123	0.34	ug/l #	73
16) Acetone	3.82	43	8133	1.14	ug/l	97
18) Methyl Acetate	4.33	43	14826	3.91	ug/l	91
20) Methylene Chloride	4.55	84	6616	1.27	ug/l #	89
25) 2-Butanone	6.85	43	5263	2.83	ug/l #	86
29) Tetrahydrofuran	7.22	42	415	0.36	ug/l #	60
31) Cyclohexane	7.66	56	7118	0.69	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	26874	3.58	ug/l #	48
38) Carbon Tetrachloride	7.67	117	36125	4.89	ug/l #	18
43) Isopropyl Acetate	8.17	43	240549	31.38	ug/l #	81
48) Methyl methacrylate	9.18	41	5898	1.58	ug/l #	18
54) cis-1,3-Dichloropropene	9.91	75	1727	0.20	ug/l #	68
56) Ethyl methacrylate	10.23	69	1512	2.67	ug/l #	75
59) 2-Hexanone	10.76	43	12618	4.39	ug/l	61
71) Bromoform	12.40	173	1255	0.36	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104035	40.62	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104035	120.44	ug/l #	15
95) Naphthalene	15.13	128	108	5.36	ug/l #	69

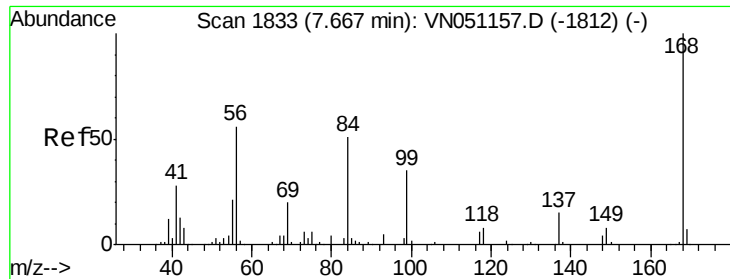
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB112879ZHE#10
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

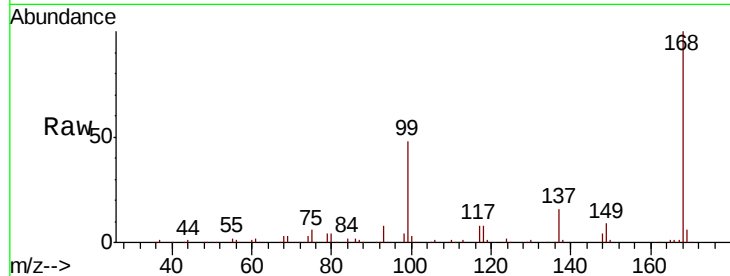
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 425057

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

100000

50000

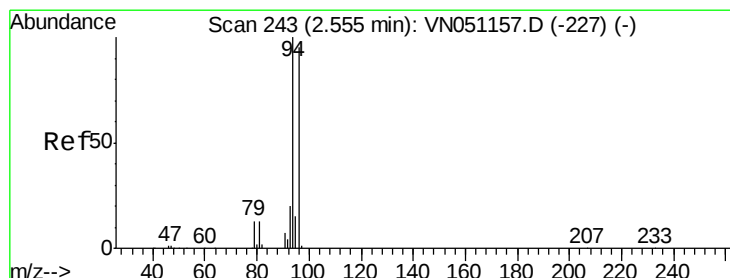
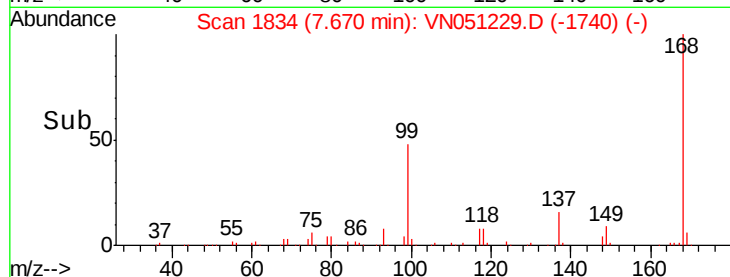
0

Time-->

7.60

7.70

7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051229.D

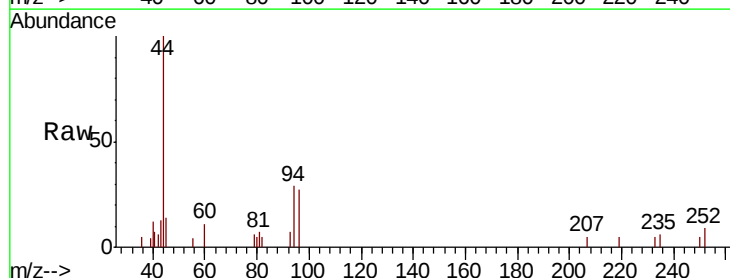
Acq: 15 Sep 2018 17:58

Tgt Ion: 94 Resp: 2176

Ion Ratio Lower Upper

94 100

96 78.2 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

1200

1000

800

600

400

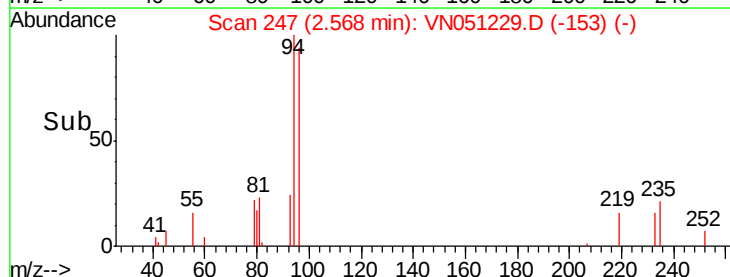
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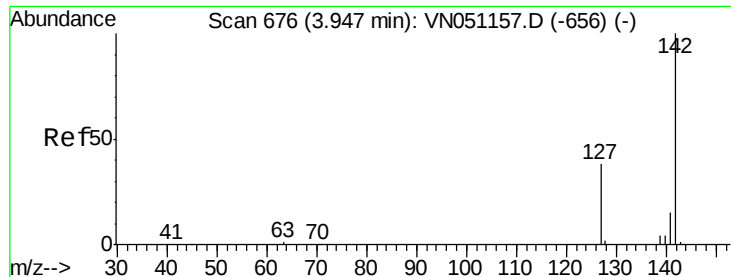
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Time-->

2.55

2.60

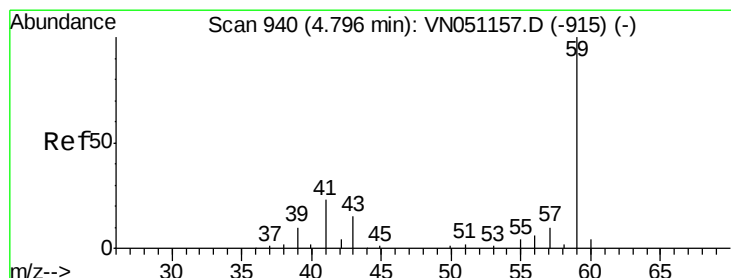
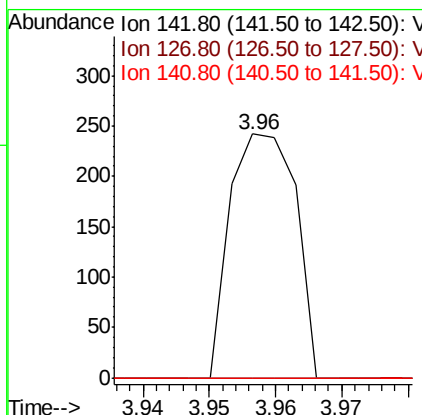
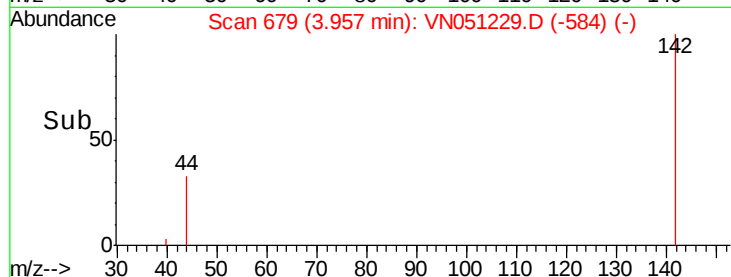
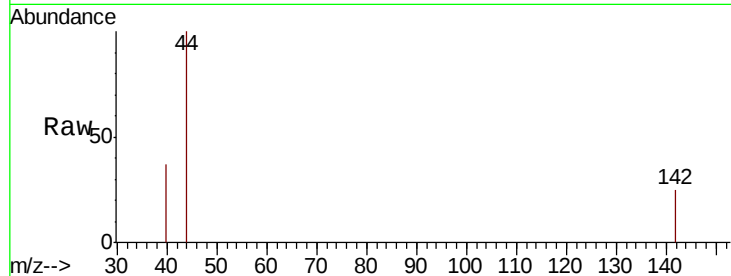




#10
Methvl Iodide
Concen: 5.66 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.01 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

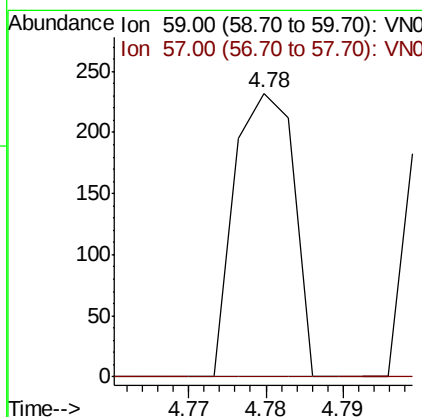
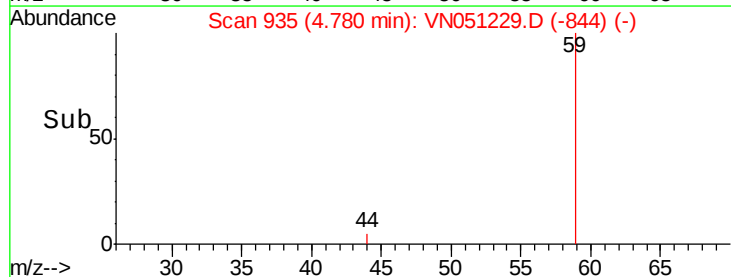
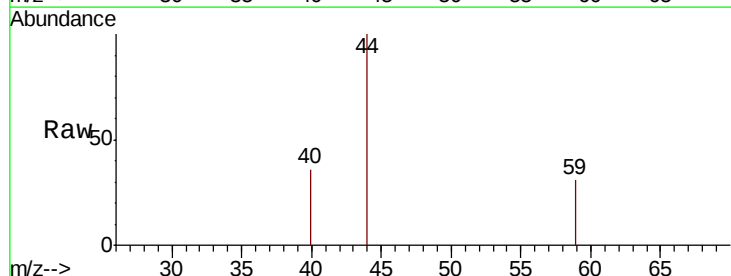
Instrument :
MSVOA_N
ClientSampled :

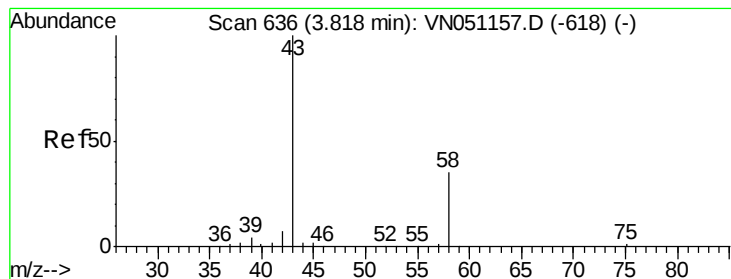
Tot Ion:142 Resp: 167
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.34 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 1.14 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

Instrument :

MSVOA_N

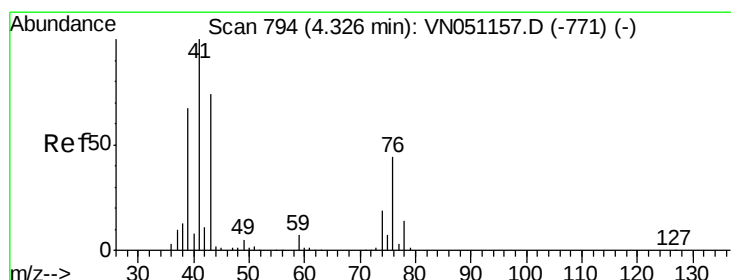
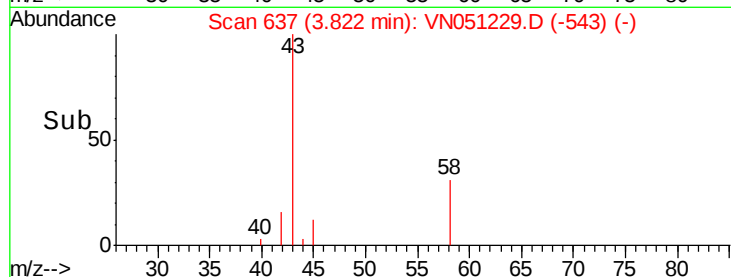
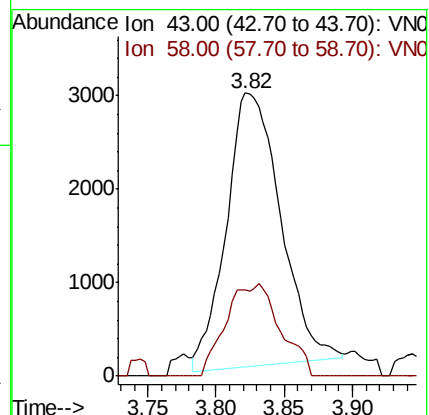
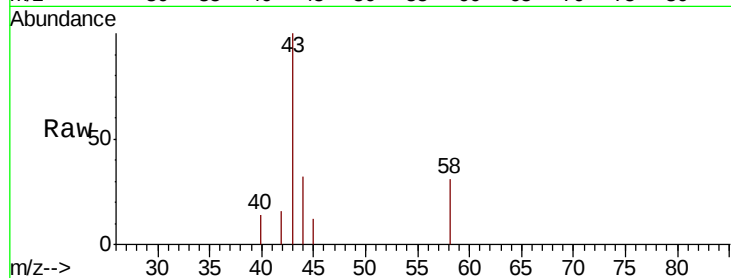
ClientSampled :

Tot Ion: 43 Resp: 8133

Ion Ratio Lower Upper

43 100

58 32.8 27.8 41.6



#18

Methyl Acetate

Concen: 3.91 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051229.D

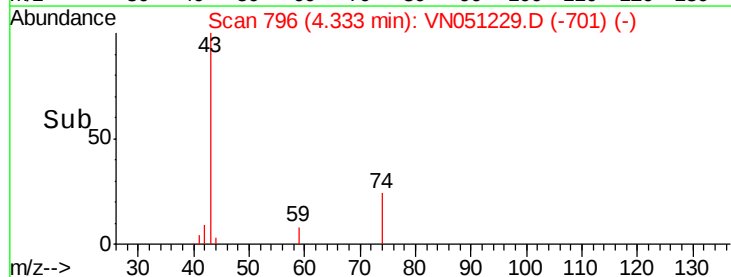
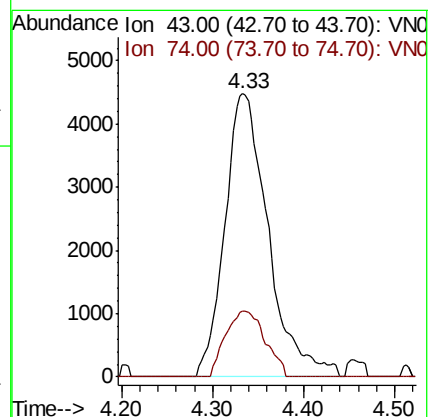
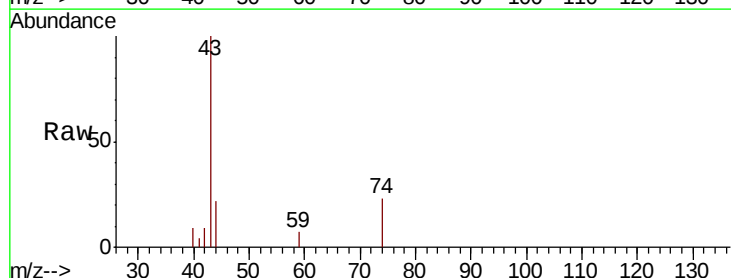
Acq: 15 Sep 2018 17:58

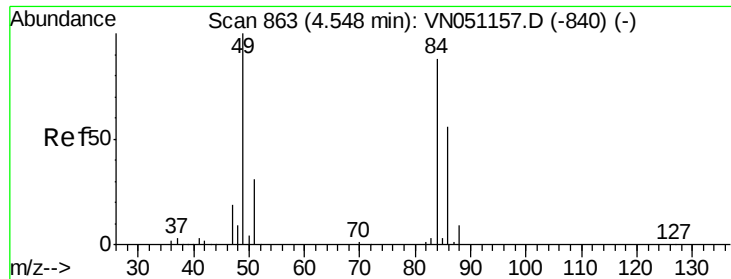
Tgt Ion: 43 Resp: 14826

Ion Ratio Lower Upper

43 100

74 21.3 20.7 31.1

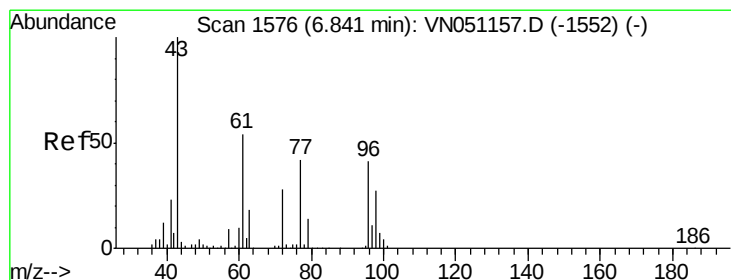
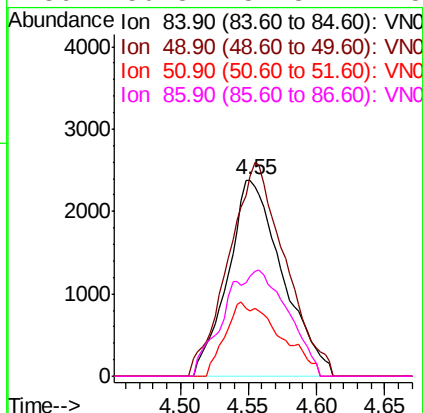
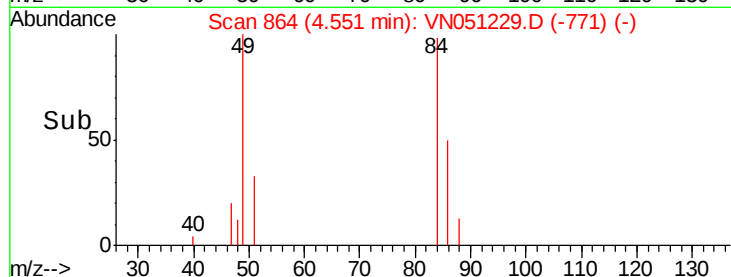
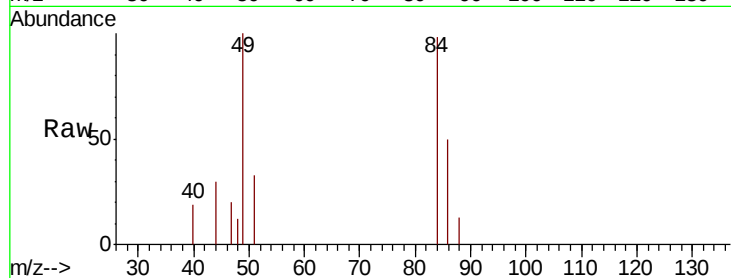




#20
Methylene Chloride
Concen: 1.27 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

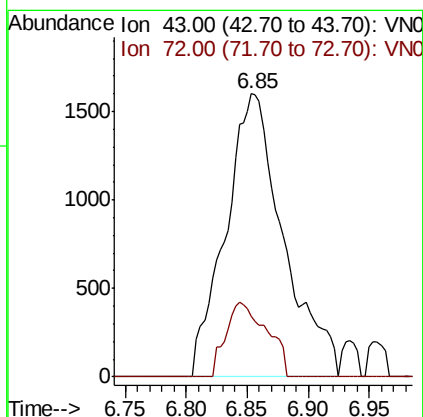
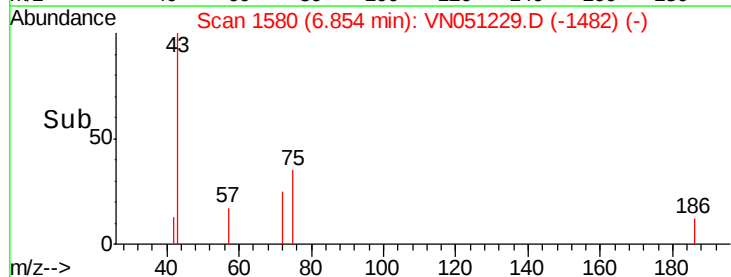
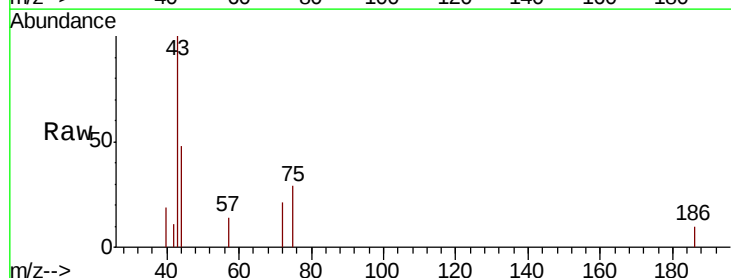
Instrument :
MSVOA_N
ClientSampleId :

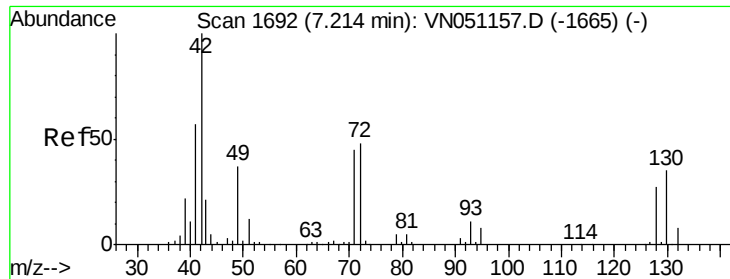
Tot Ion: 84 Resp: 6616
Ion Ratio Lower Upper
84 100
49 101.6 90.2 135.2
51 33.3 28.4 42.6
86 50.8 51.8 77.8#



#25
2-Butanone
Concen: 2.83 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 43 Resp: 5263
Ion Ratio Lower Upper
43 100
72 21.4 23.0 34.6#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampled :

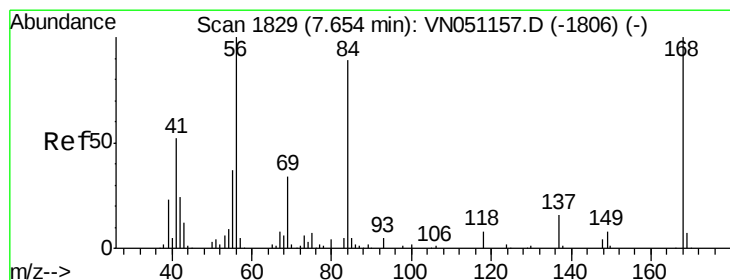
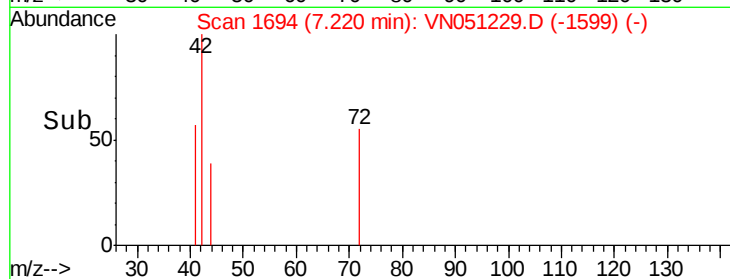
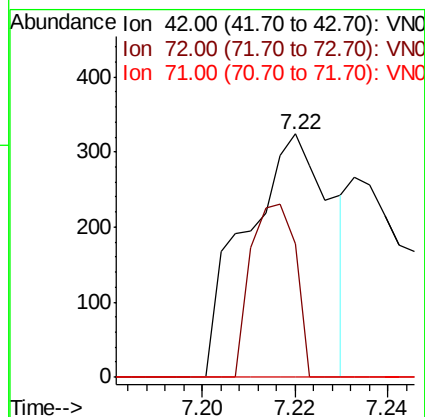
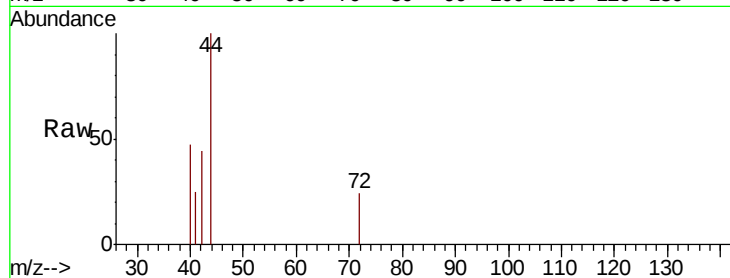
Tot Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

72 37.6 37.4 56.0

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.69 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

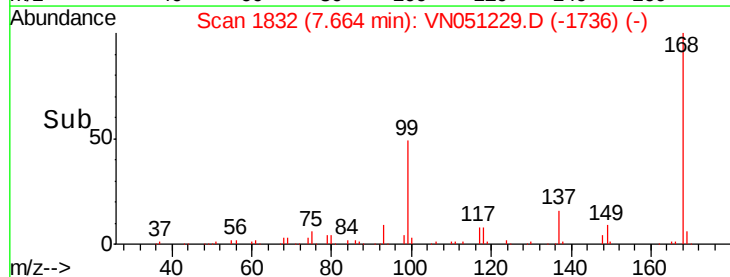
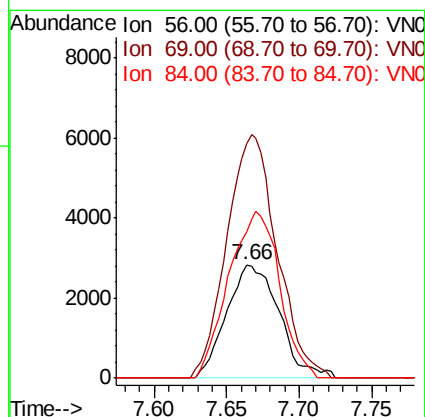
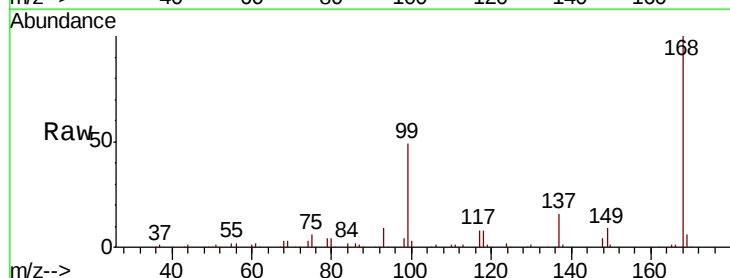
Tgt Ion: 56 Resp: 7118

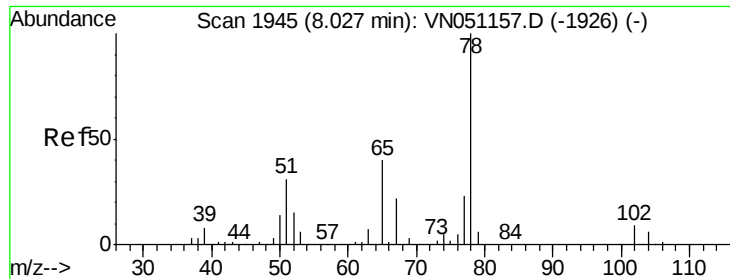
Ion Ratio Lower Upper

56 100

69 206.5 26.3 39.5#

84 129.5 69.4 104.0#

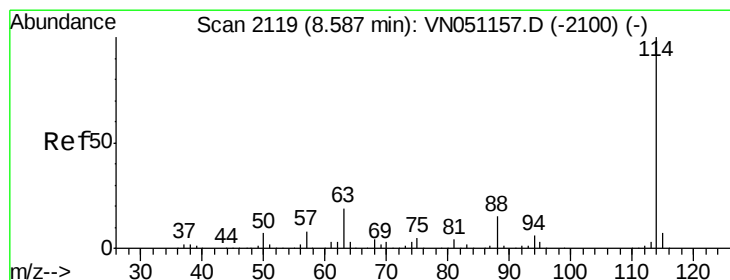
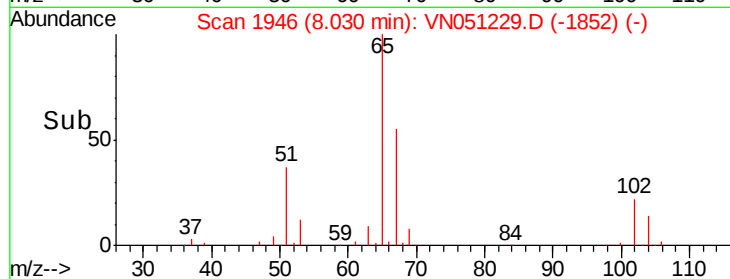
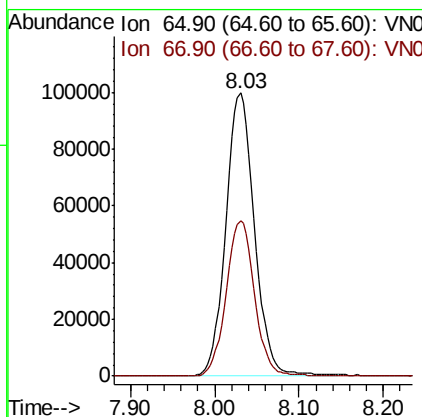
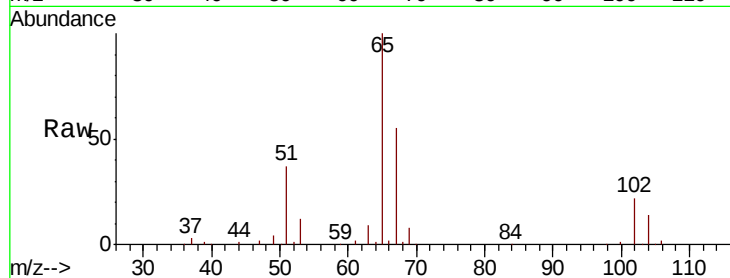




#33
 1,2-Dichloroethane-d4
 Concen: 49.82 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051229.D
 Acq: 15 Sep 2018 17:58

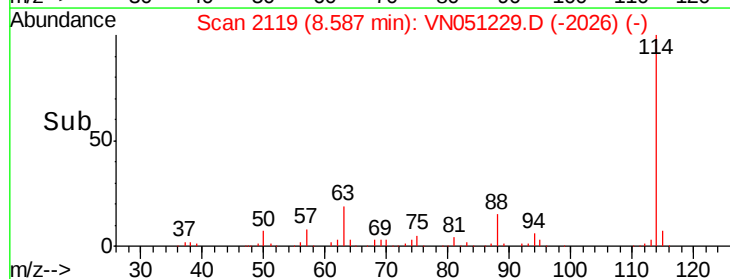
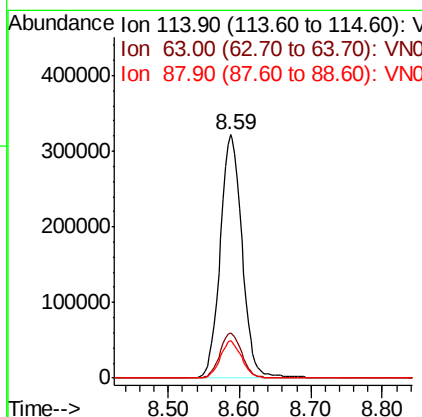
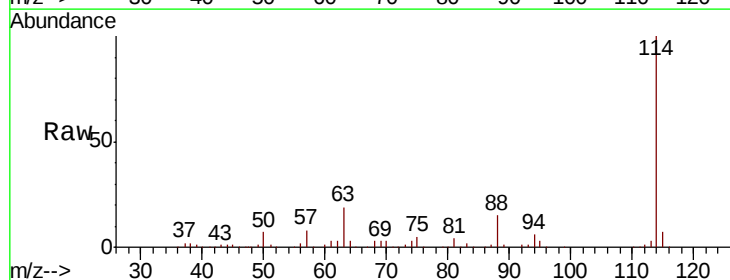
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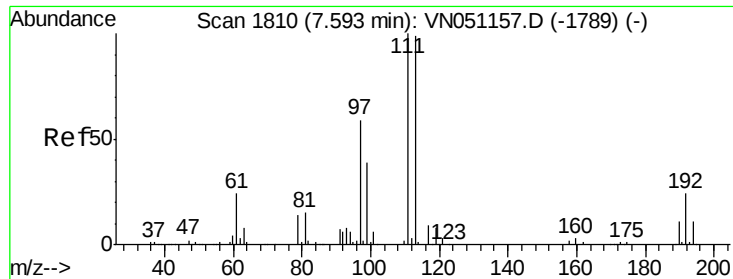
Tot Ion: 65 Resp: 235661
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051229.D
 Acq: 15 Sep 2018 17:58

Tgt Ion: 114 Resp: 683286
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.8
 88 15.3 0.0 30.8

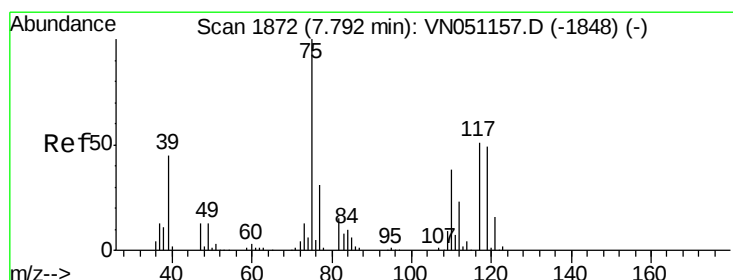
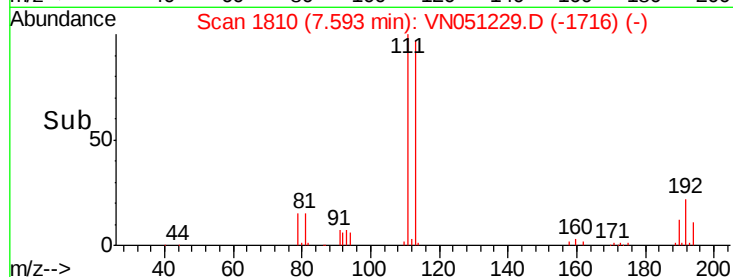
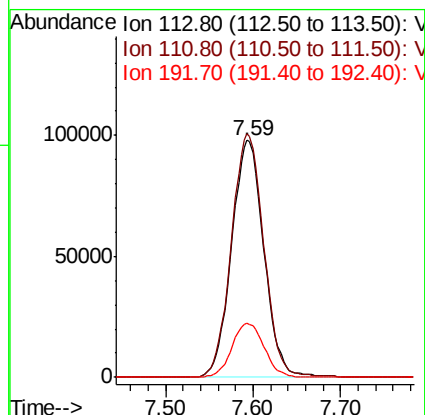
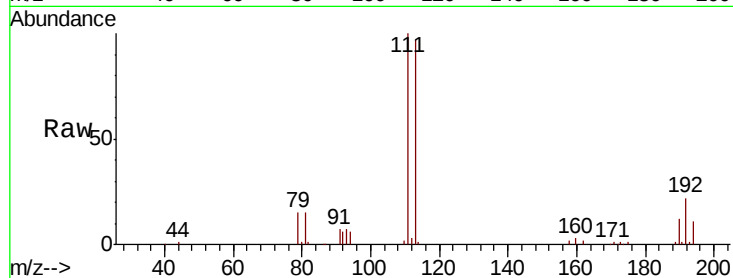




#35
 Dibromofluoromethane
 Concen: 48.93 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051229.D
 Acq: 15 Sep 2018 17:58

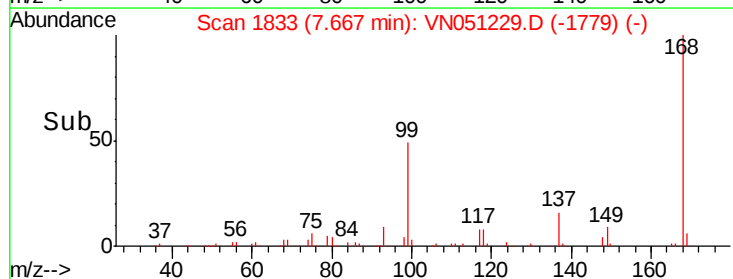
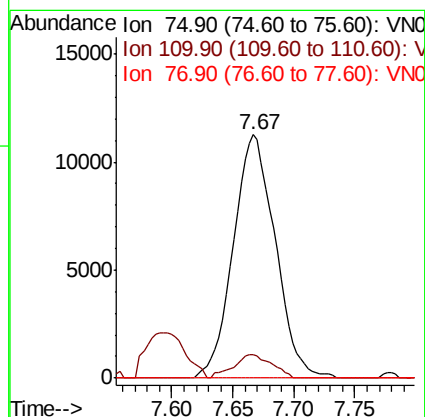
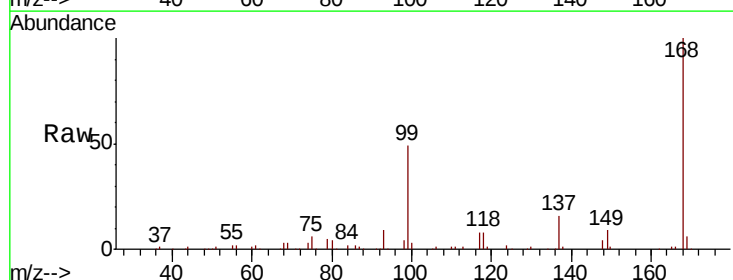
Instrument :
 MSVOA_N
 ClientSampled :

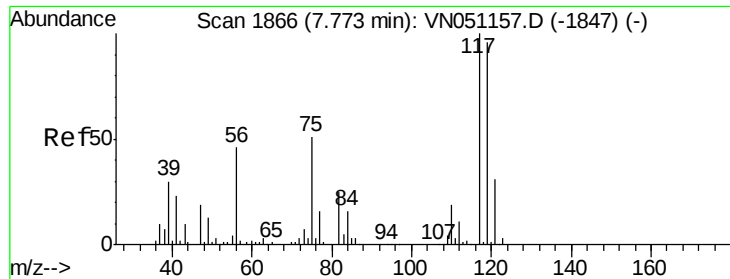
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	22.8	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051229.D
 Acq: 15 Sep 2018 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.6	55.8#
77	0.0	25.2	37.8#

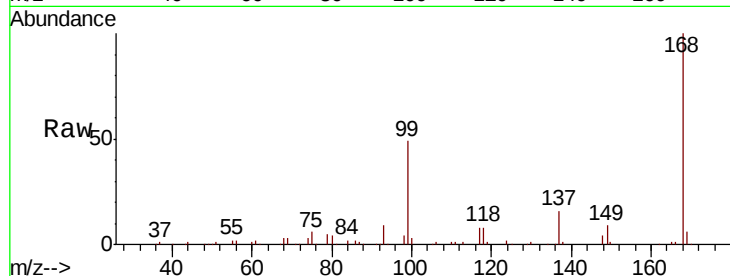




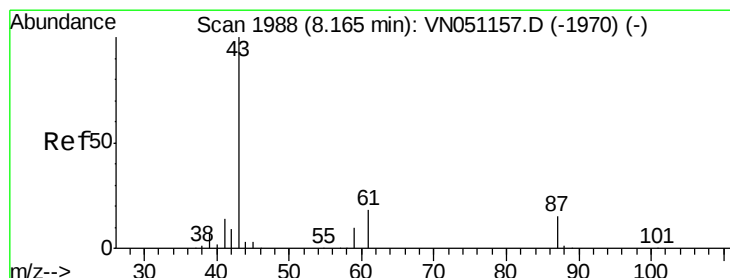
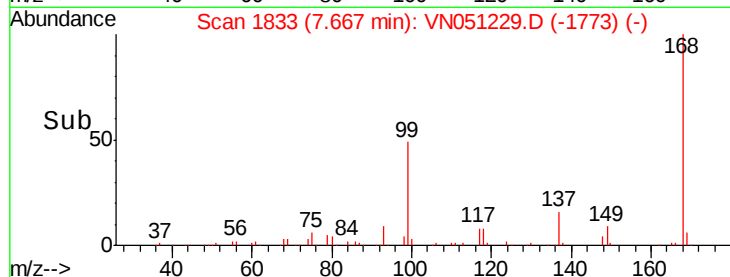
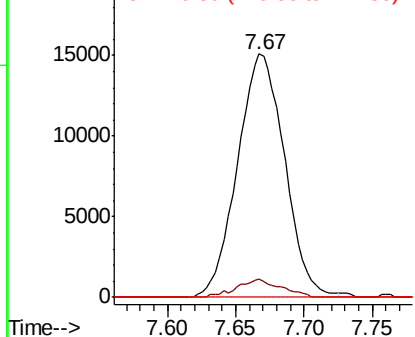
#38
Carbon Tetrachloride
Concen: 4.89 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 36125
Ion Ratio Lower Upper
117 100
119 7.6 76.8 115.2#
121 0.0 24.6 36.8#

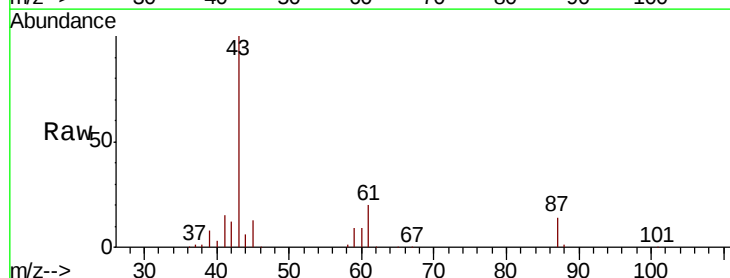


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

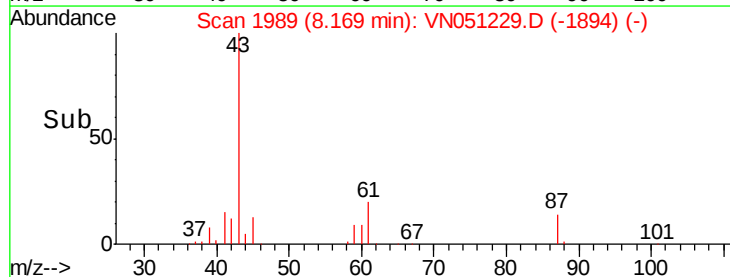
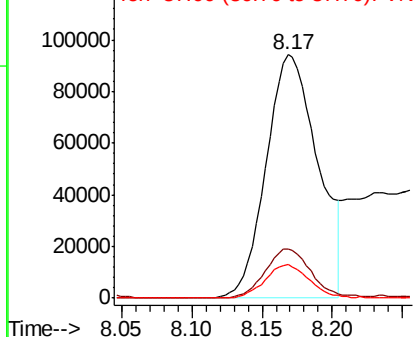


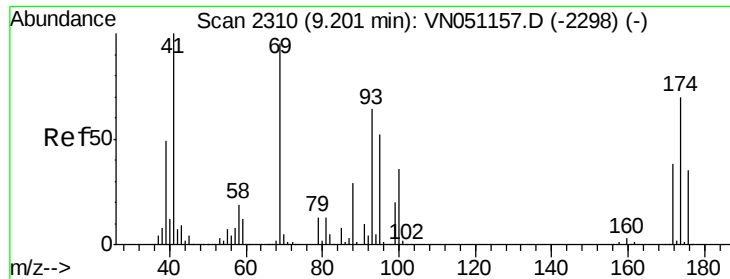
#43
Isopropyl Acetate
Concen: 31.38 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 43 Resp: 240549
Ion Ratio Lower Upper
43 100
61 18.0 25.0 37.6#
87 11.8 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

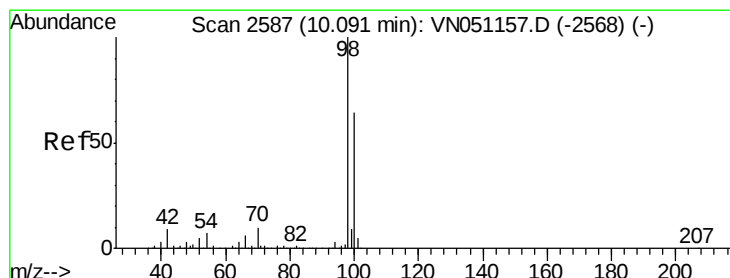
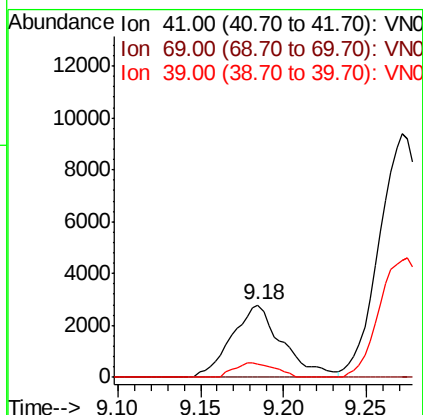
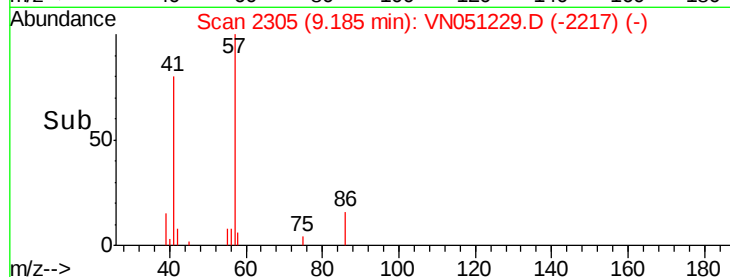
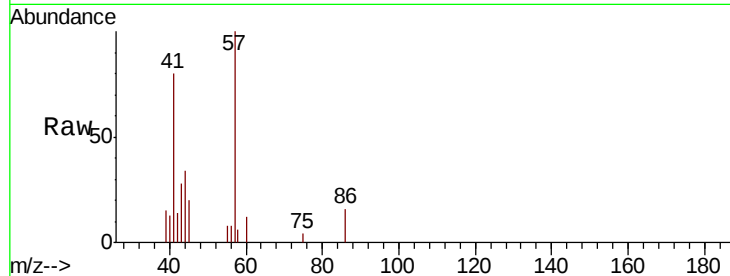




#48
Methvl methacrylate
Concen: 1.58 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

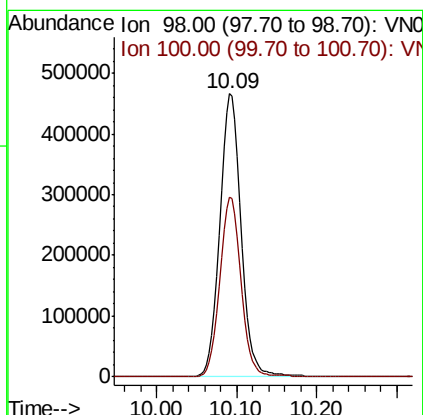
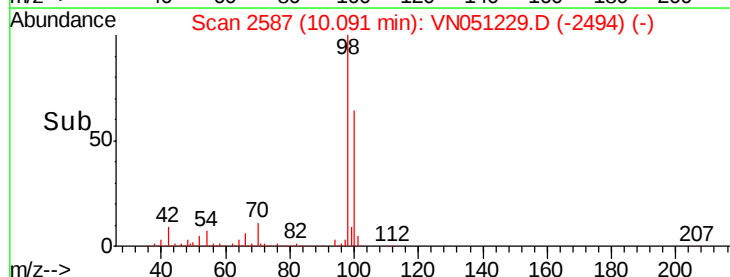
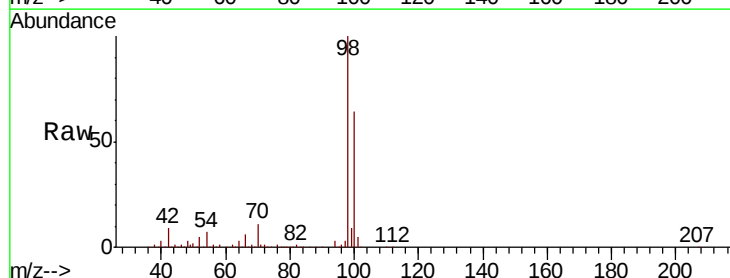
Instrument :
MSVOA_N
ClientSampleId :

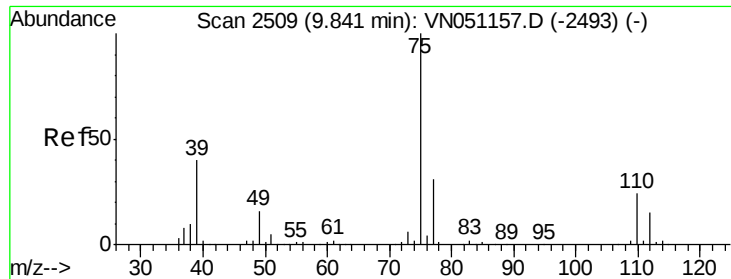
Tot Ion: 41 Resp: 5898
Ion Ratio Lower Upper
41 100
69 0.0 77.7 116.5#
39 16.4 41.6 62.4#



#50
Toluene-d8
Concen: 44.39 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 98 Resp: 864875
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0



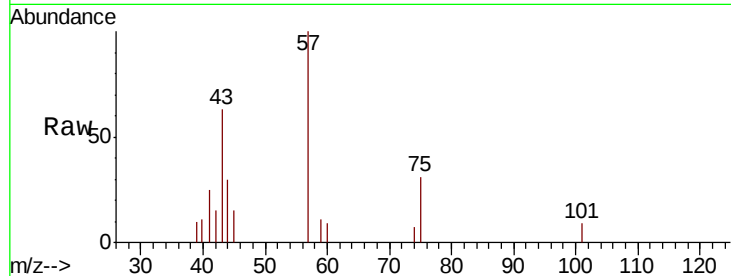


#54

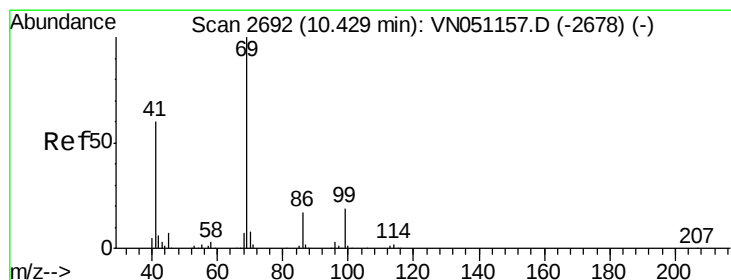
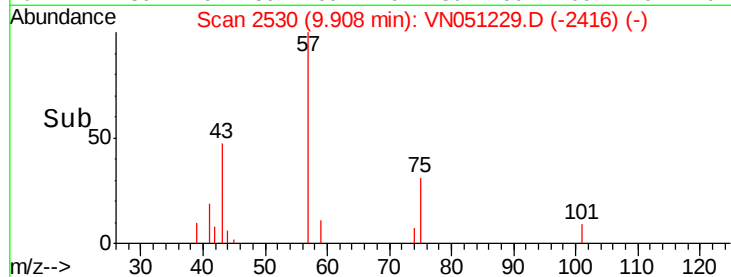
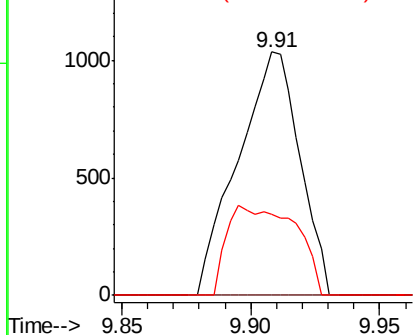
cis-1,3-Dichloropropene
Concen: 0.20 ug/l
RT: 9.91 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 1727
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 33.2 31.9 47.9



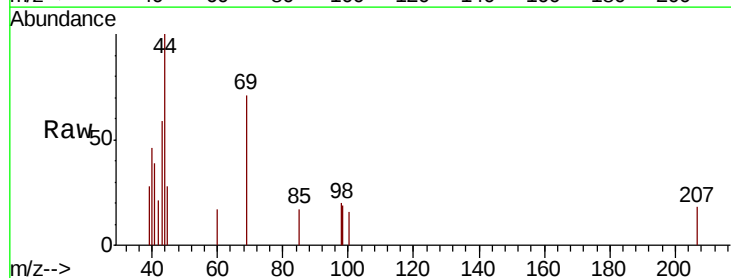
Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



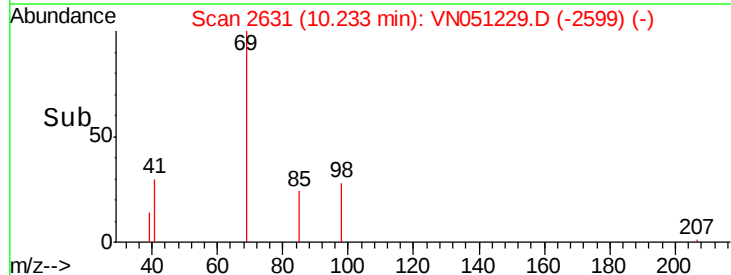
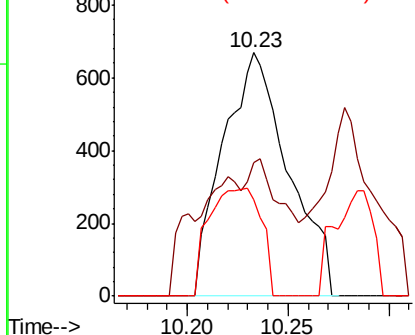
#56

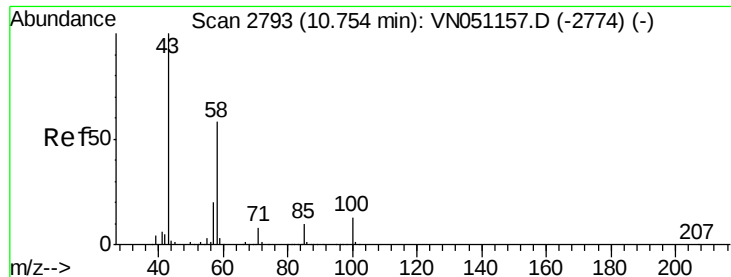
Ethyl methacrylate
Concen: 2.67 ug/l
RT: 10.23 min Scan# 2631
Delta R.T. -0.20 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 69 Resp: 1512
Ion Ratio Lower Upper
69 100
41 36.2 47.8 71.8#
39 35.1 23.0 34.4#



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

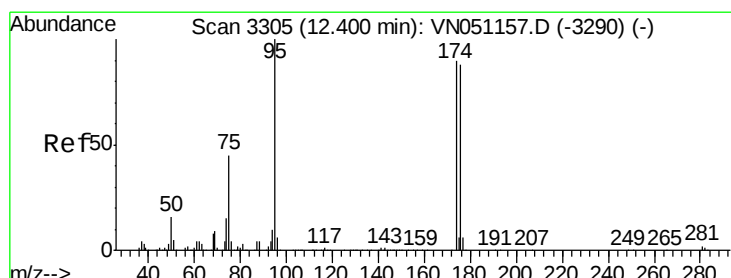
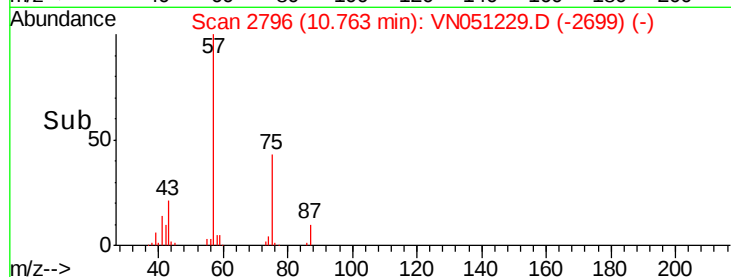
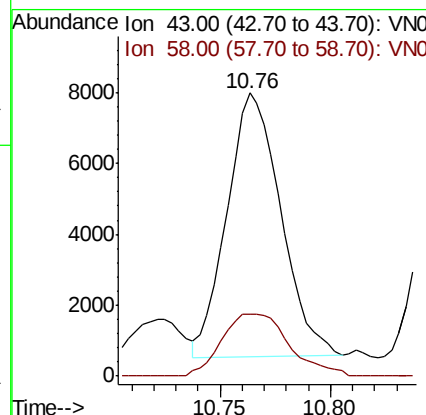
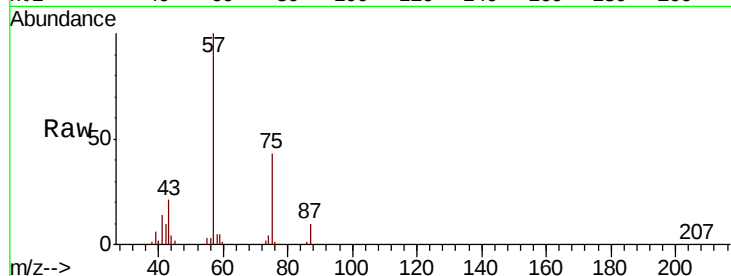




#59
2-Hexanone
Concen: 4.39 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

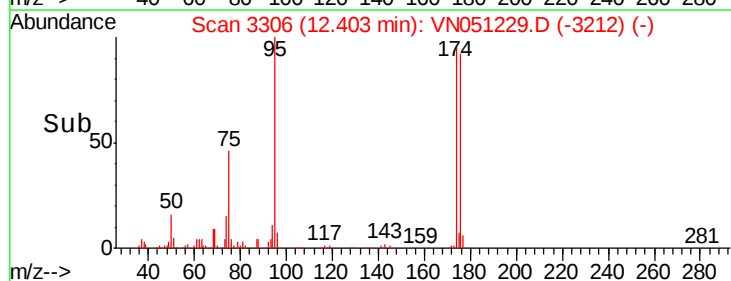
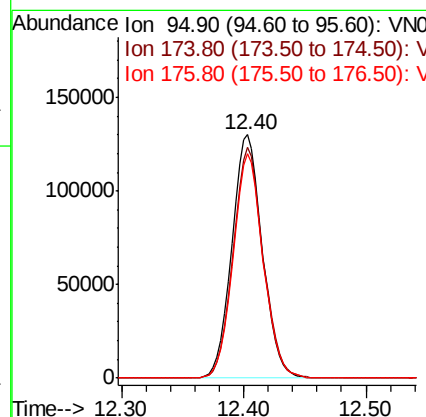
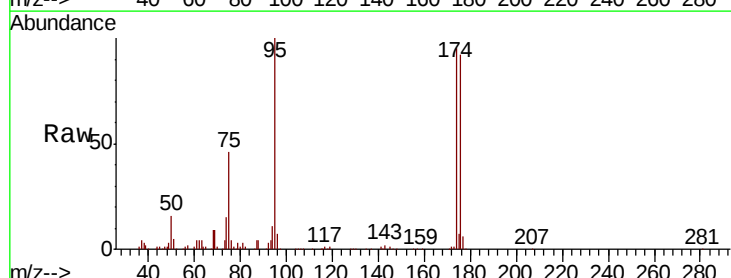
Instrument :
MSVOA_N
ClientSampleId :

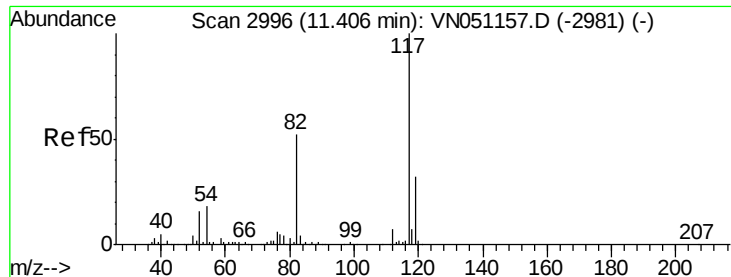
Tot Ion: 43 Resp: 12618
Ion Ratio Lower Upper
43 100
58 29.5 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 35.11 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion: 95 Resp: 226282
Ion Ratio Lower Upper
95 100
174 93.6 0.0 184.8
176 90.6 0.0 178.6

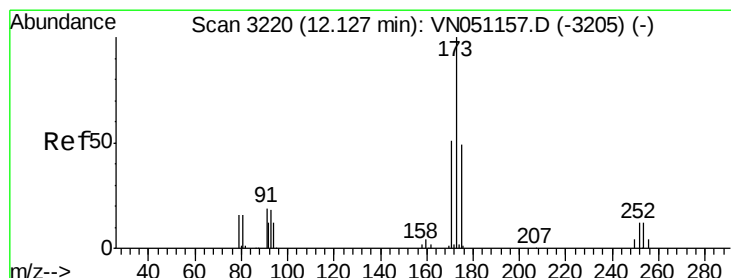
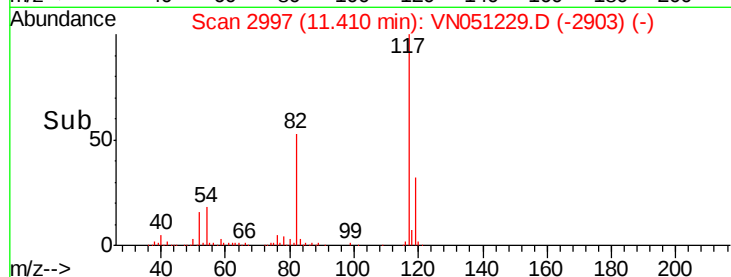
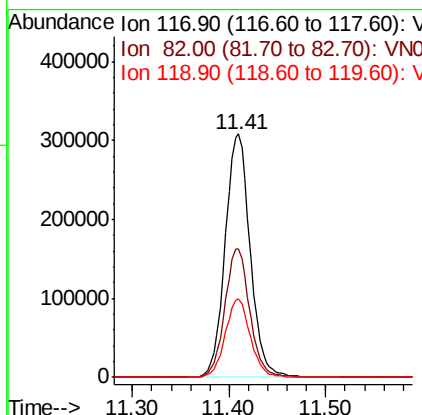
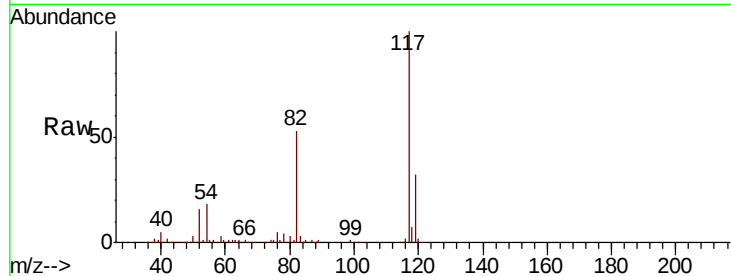




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

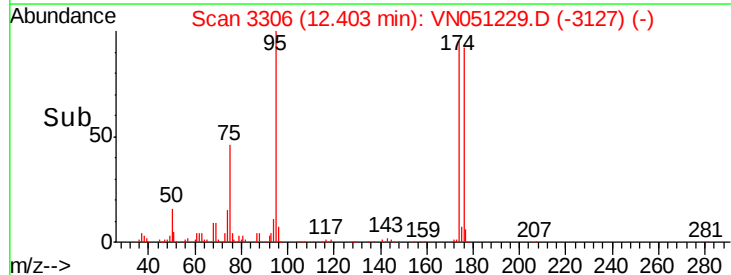
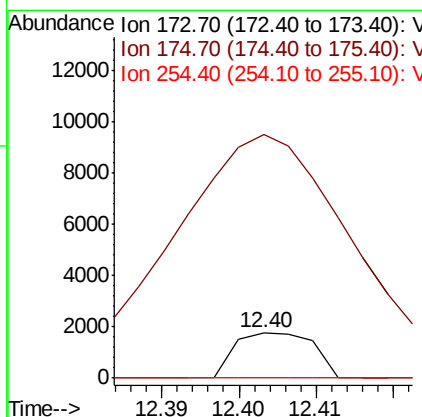
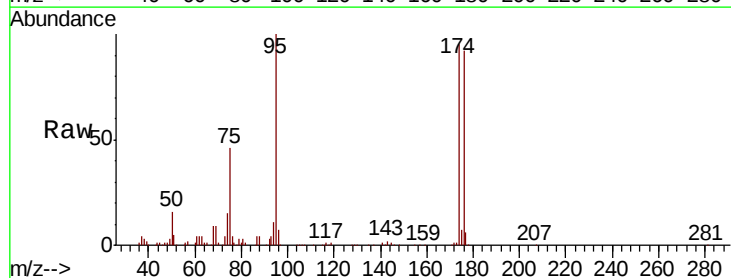
Instrument :
MSVOA_N
ClientSampleId :

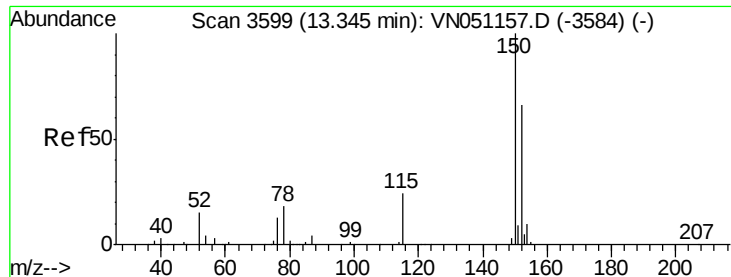
Tot Ion:117 Resp: 552266
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.6
119 32.0 26.2 39.2



#71
Bromoform
Concen: 0.36 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051229.D
Acq: 15 Sep 2018 17:58

Tgt Ion:173 Resp: 1255
Ion Ratio Lower Upper
173 100
175 1063.5 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: VN051229.D

Acq: 15 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

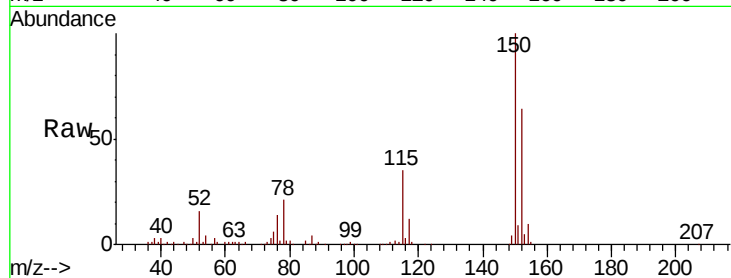
Tot Ion:152 Resp: 164055

Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.7

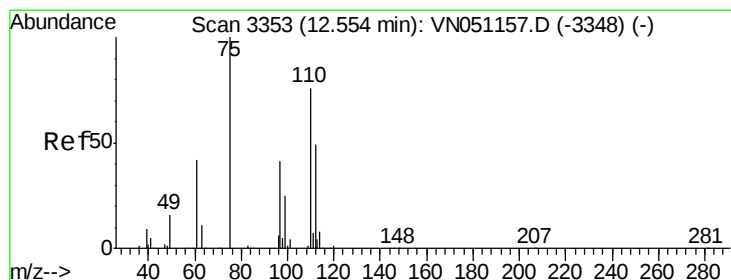
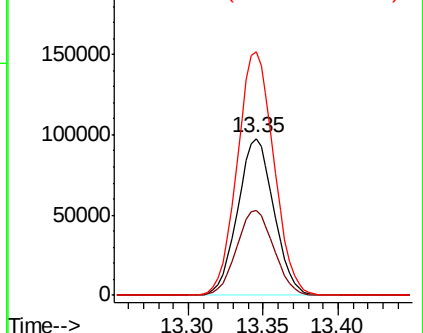
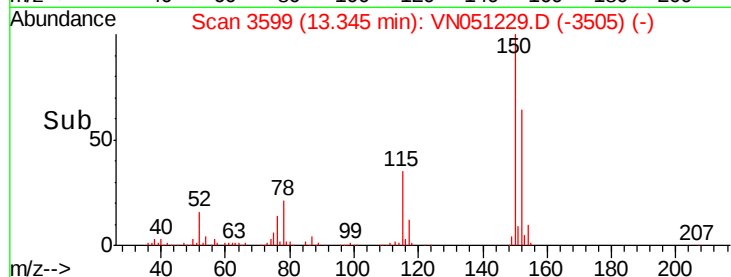
150 157.4 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 40.62 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051229.D

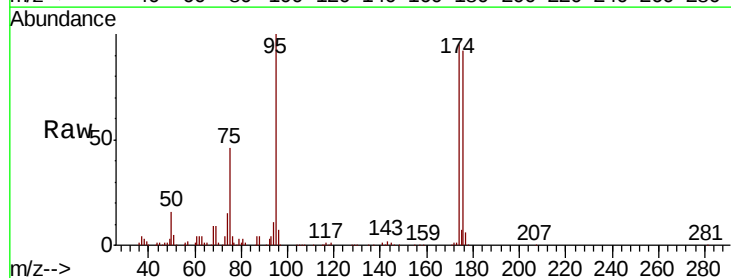
Acq: 15 Sep 2018 17:58

Tgt Ion: 75 Resp: 104035

Ion Ratio Lower Upper

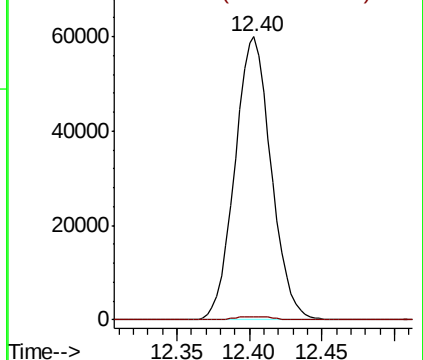
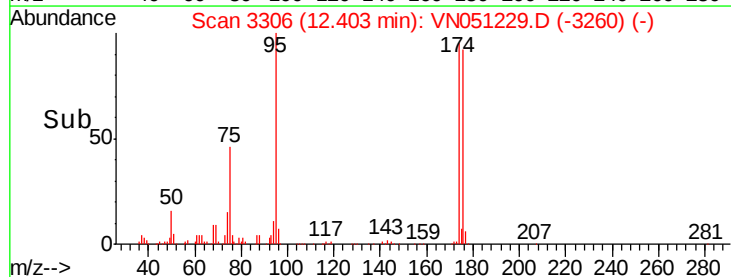
75 100

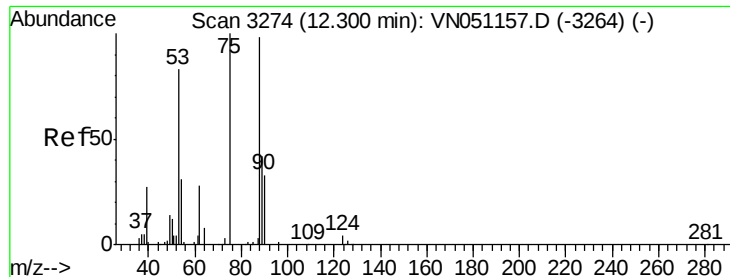
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.44 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

Instrument :

MSVOA_N

ClientSampleId :

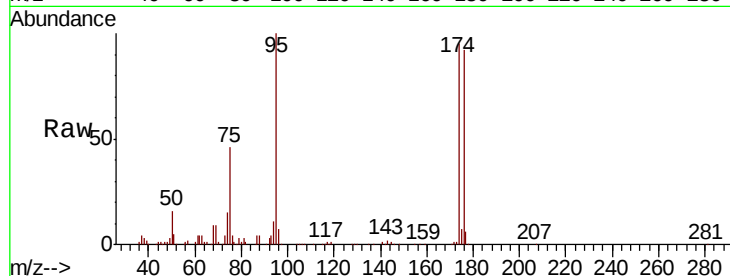
Tot Ion: 75 Resp: 104035

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

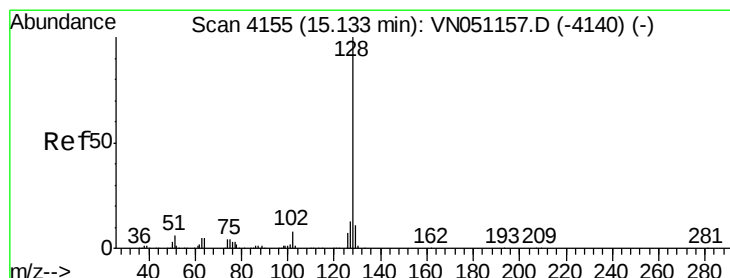
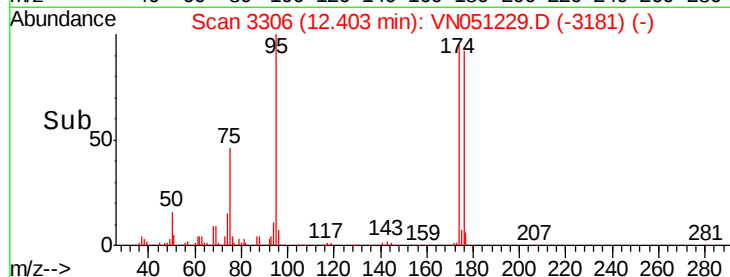
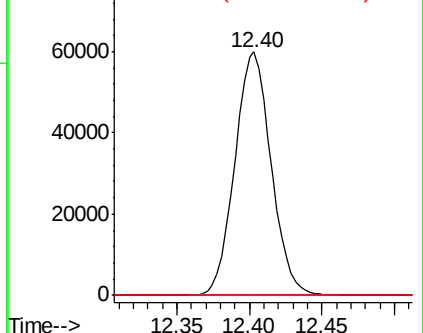
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 5.36 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051229.D

Acq: 15 Sep 2018 17:58

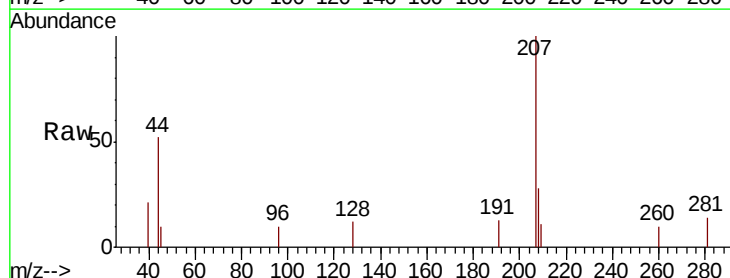
Tgt Ion: 128 Resp: 108

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 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

