

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052293.D
 Acq On : 13 Nov 2018 18:10
 Operator : MD\SY
 Sample : PB114744ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:10:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	314539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	532234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	158762	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	216606	50.35	ug/l	0.00
Spiked Amount						
			Recovery	=	100.70%	
35) Dibromofluoromethane	7.59	113	166937	48.42	ug/l	0.00
Spiked Amount						
			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	666904	49.42	ug/l	0.00
Spiked Amount						
			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	194915	44.67	ug/l	0.00
Spiked Amount						
			Recovery	=	89.34%	

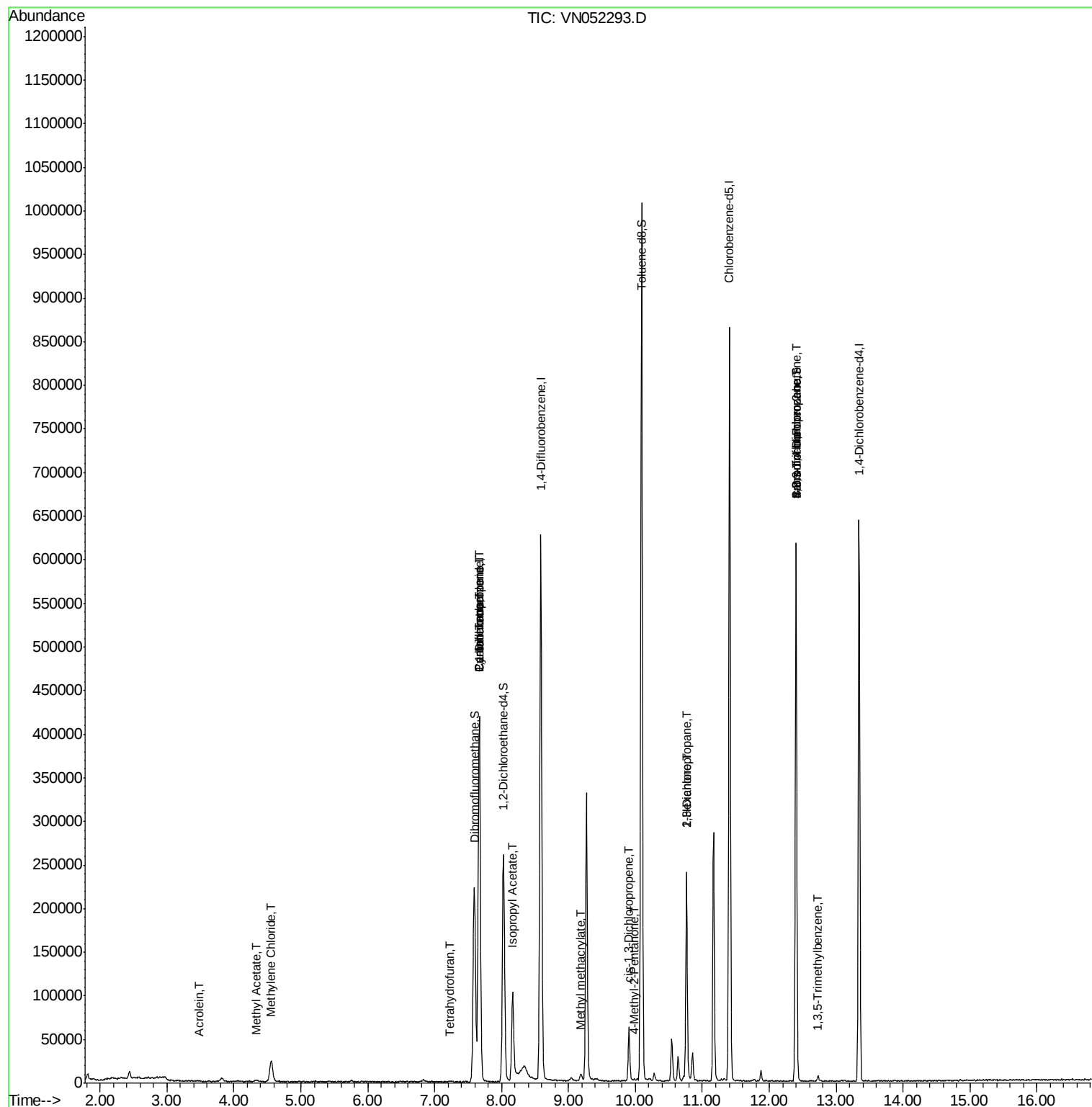
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.48	56	63	34.258	ug/l #	12
16) Acetone	3.81	43	6970	Below Cal	#	89
18) Methyl Acetate	4.33	43	1117	0.311	ug/l	93
20) Methylene Chloride	4.56	84	15974	4.074	ug/l	91
29) Tetrahydrofuran	7.22	42	824	0.690	ug/l #	40
31) Cyclohexane	7.67	56	9835	0.797	ug/l #	33
36) 1,1-Dichloropropene	7.66	75	27890	5.192	ug/l #	50
38) Carbon Tetrachloride	7.67	117	34718	7.131	ug/l #	16
43) Isopropyl Acetate	8.17	43	127875	18.157	ug/l	96
48) Methyl methacrylate	9.18	41	4641	1.251	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	848	0.218	ug/l #	58
54) cis-1,3-Dichloropropene	9.90	75	10070	1.690	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	2144	0.357	ug/l #	43
59) 2-Hexanone	10.76	43	37929	13.892	ug/l #	57
71) Bromoform	12.39	173	764	0.396	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	109463	38.970	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2661	0.258	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	109463	133.022	ug/l #	8

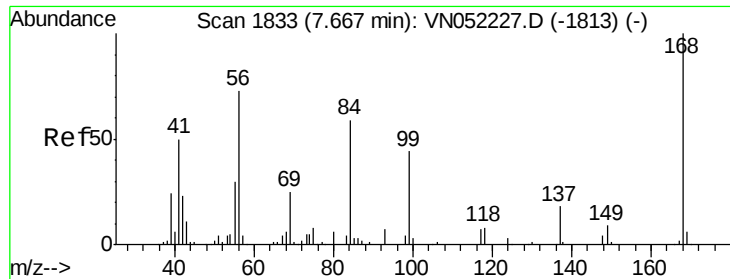
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111318\
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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 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: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

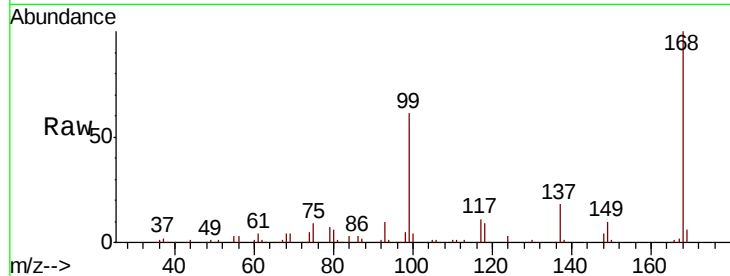
ClientSampleId :

Tot Ion:168 Resp: 314539

Ion Ratio Lower Upper

168 100

99 60.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

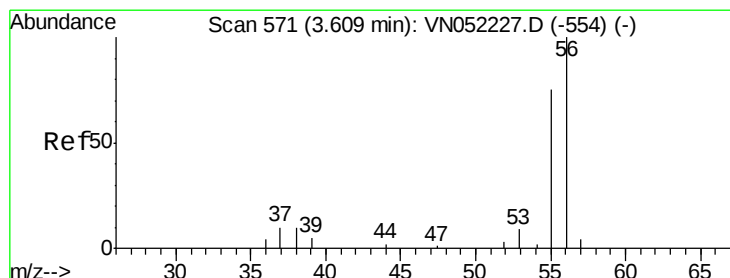
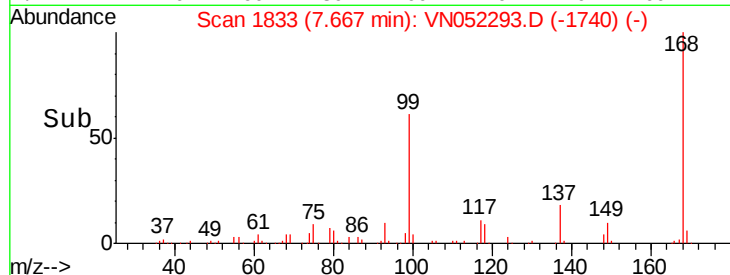
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 34.258 ug/l

RT: 3.48 min Scan# 531

Delta R.T. -0.13 min

Lab File: VN052293.D

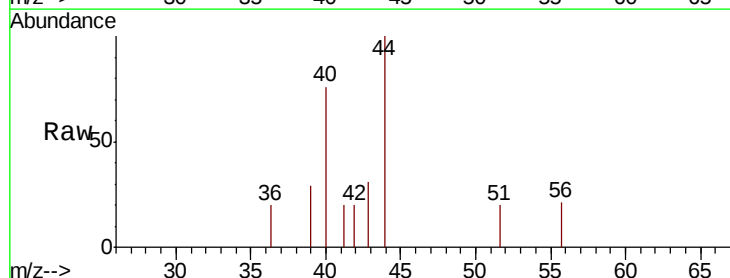
Acq: 13 Nov 2018 18:10

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

3.48

200

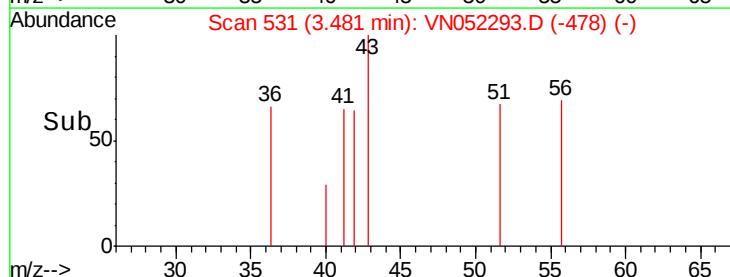
150

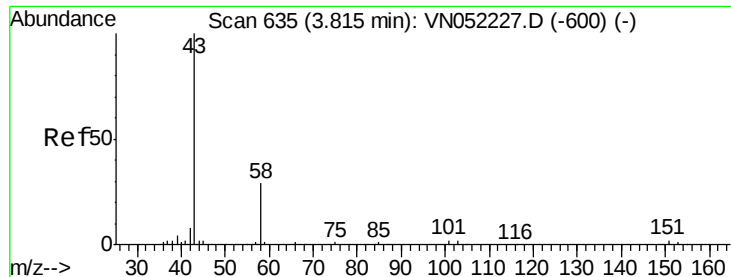
100

50

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

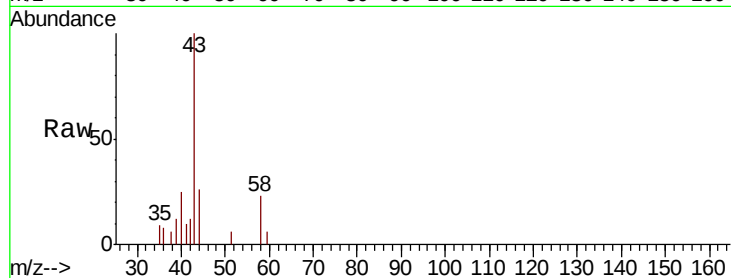
ClientSampled :

Tot Ion: 43 Resp: 6970

Ion Ratio Lower Upper

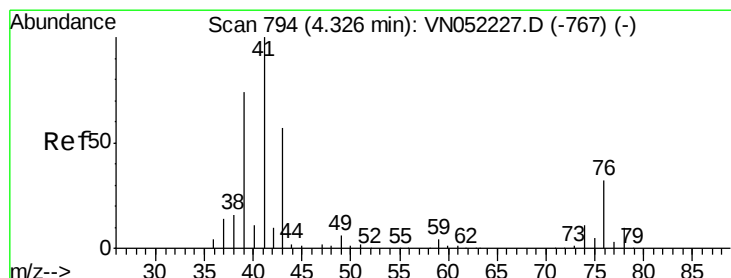
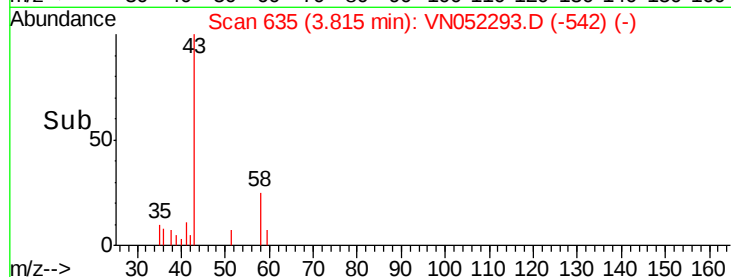
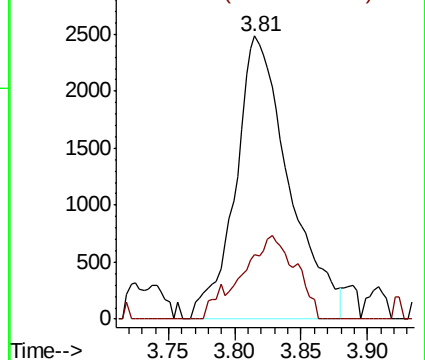
43 100

58 22.8 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.311 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052293.D

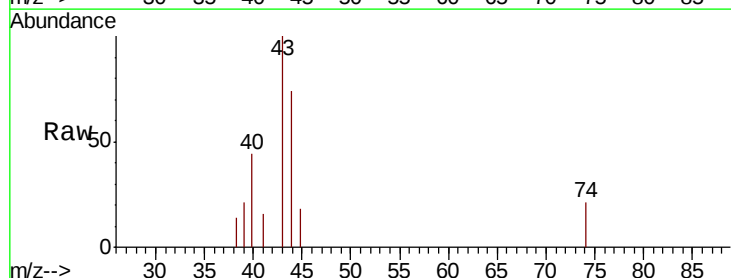
Acq: 13 Nov 2018 18:10

Tgt Ion: 43 Resp: 1117

Ion Ratio Lower Upper

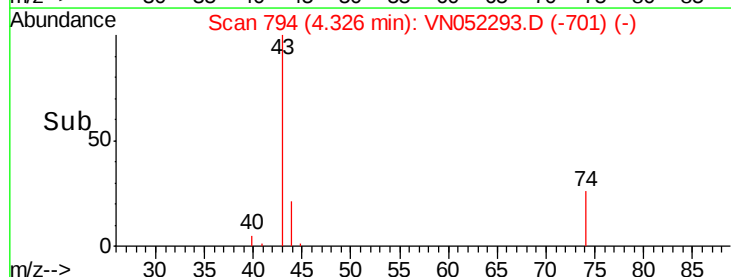
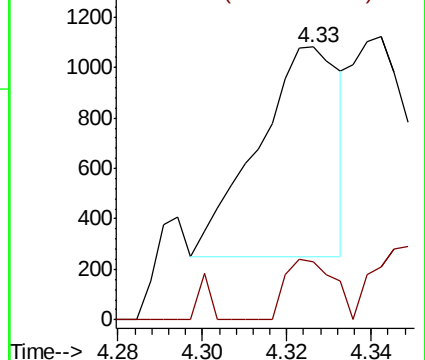
43 100

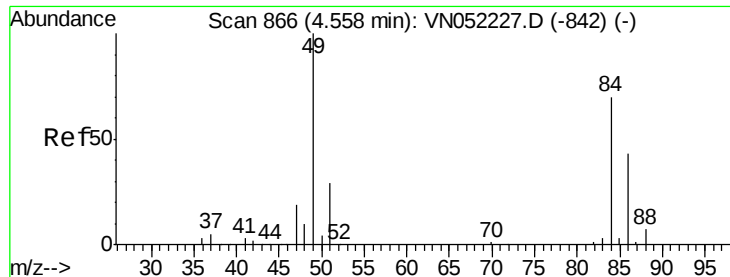
74 16.9 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

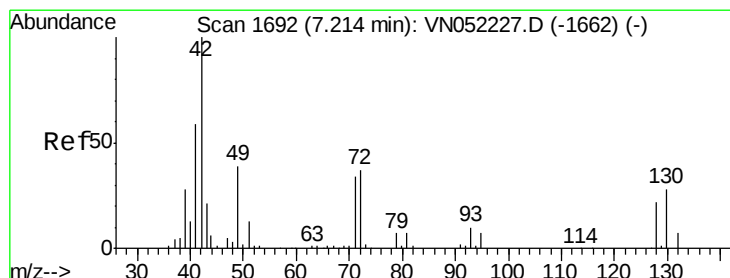
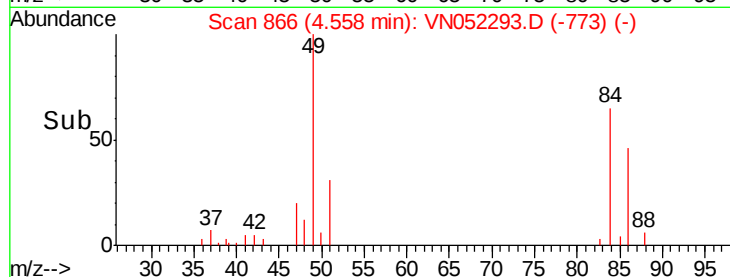
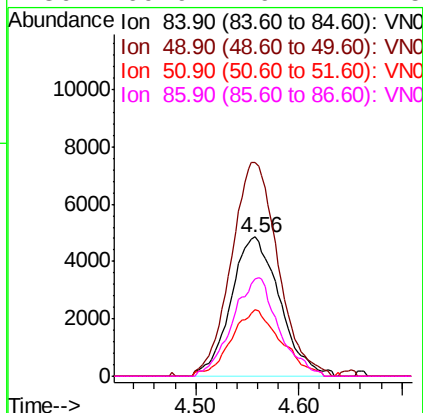
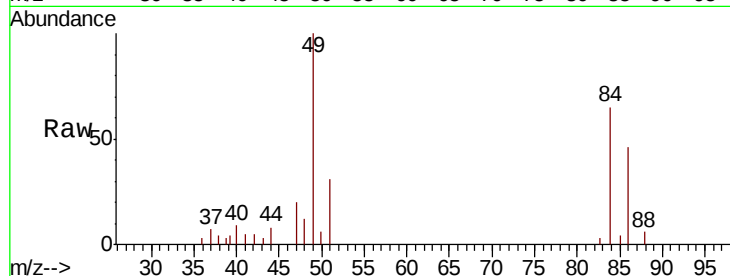




#20
Methvlene Chloride
Concen: 4.074 ug/l
RT: 4.56 min Scan# 866
Delta R.T. -0.00 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

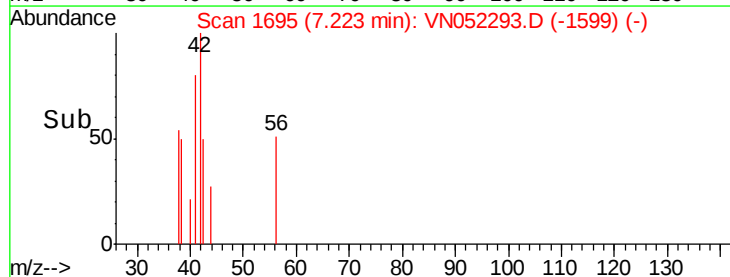
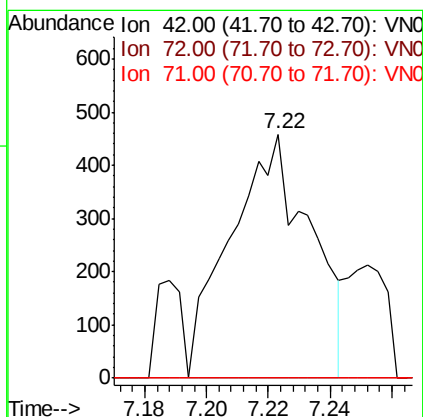
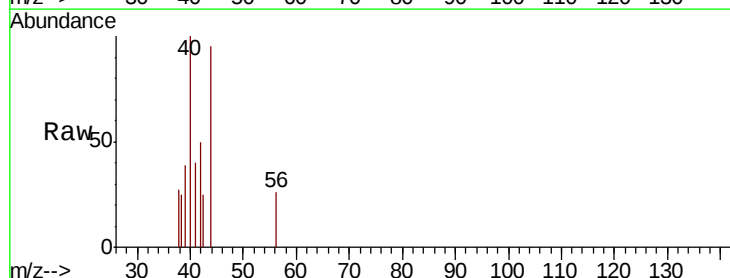
Instrument :
MSVOA_N
ClientSampled :

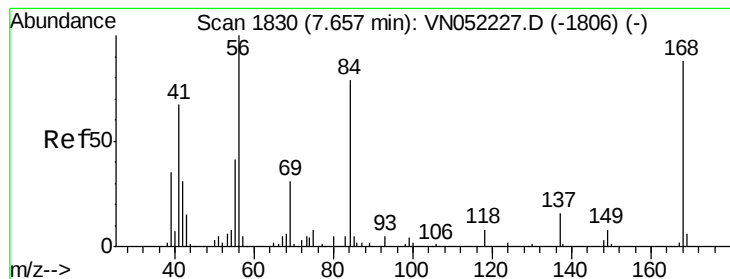
Tot Ion: 84 Resp: 15974
Ion Ratio Lower Upper
84 100
49 153.2 114.8 172.2
51 47.7 33.1 49.7
86 69.9 49.7 74.5



#29
Tetrahydrofuran
Concen: 0.690 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

Tgt Ion: 42 Resp: 824
Ion Ratio Lower Upper
42 100
72 0.0 28.6 43.0#
71 0.0 27.1 40.7#





#31

Cyclohexane

Concen: 0.797 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

ClientSampled :

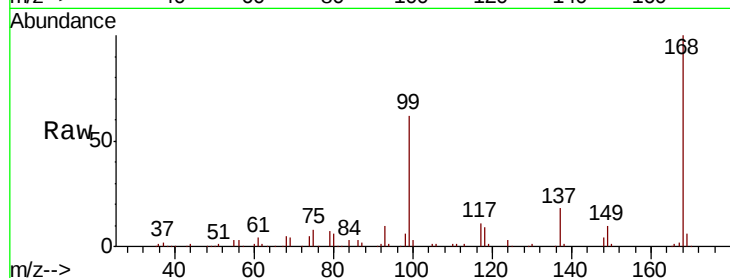
Tot Ion: 56 Resp: 9835

Ion Ratio Lower Upper

56 100

69 136.0 24.8 37.2#

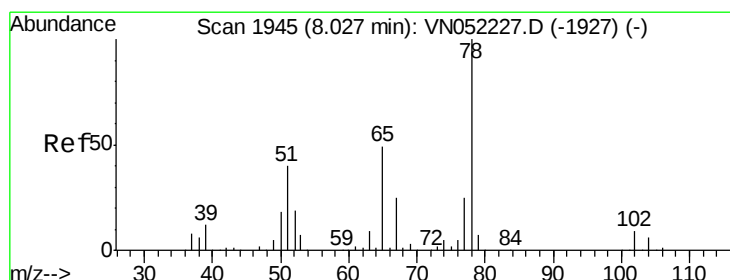
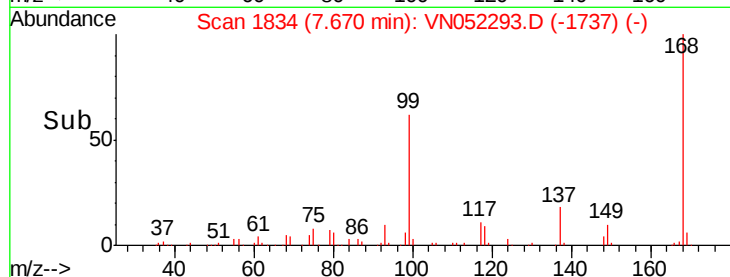
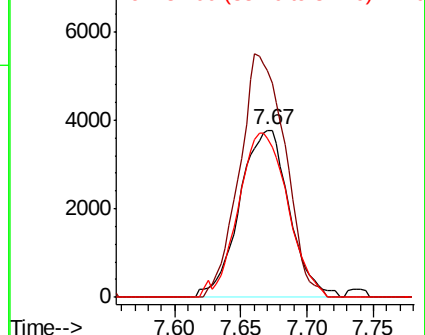
84 94.8 63.1 94.7#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN052227.D (-1806) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052293.D

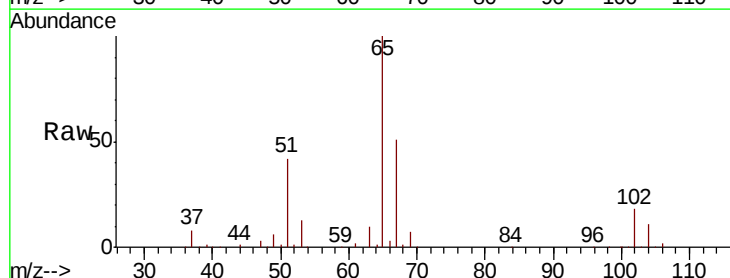
Acq: 13 Nov 2018 18:10

Tgt Ion: 65 Resp: 216606

Ion Ratio Lower Upper

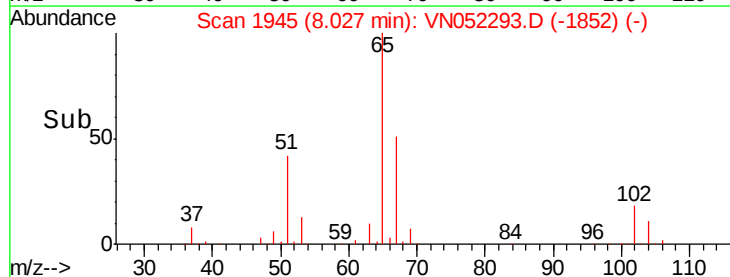
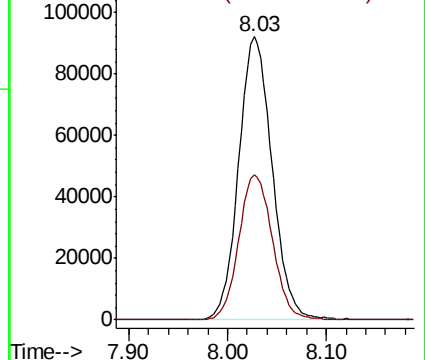
65 100

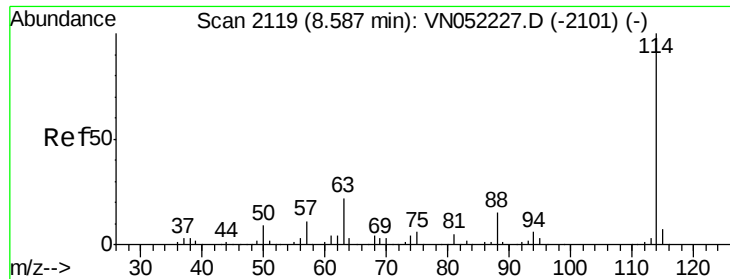
67 51.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN052227.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN052227.D (-1927) (-)

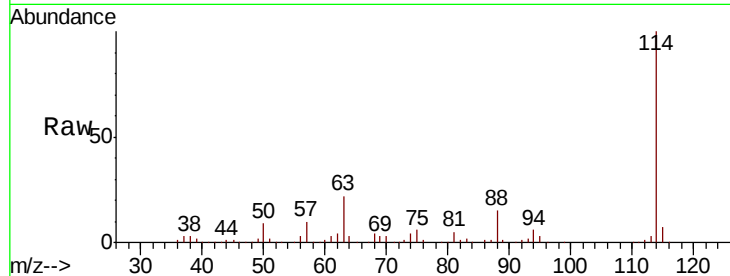




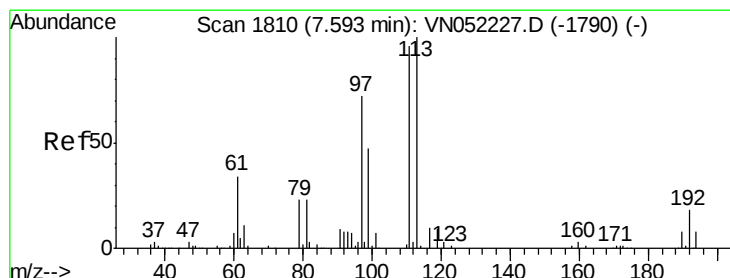
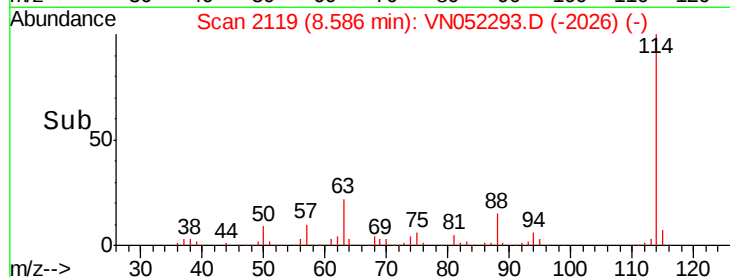
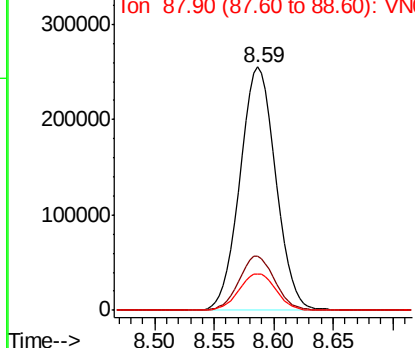
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 532234
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.4
88 15.0 0.0 30.2

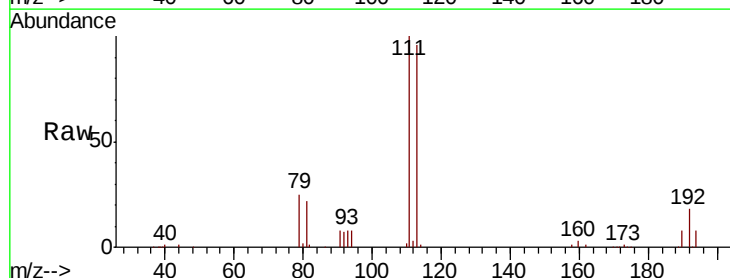


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

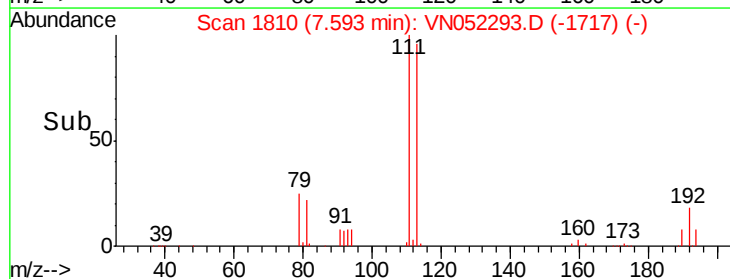
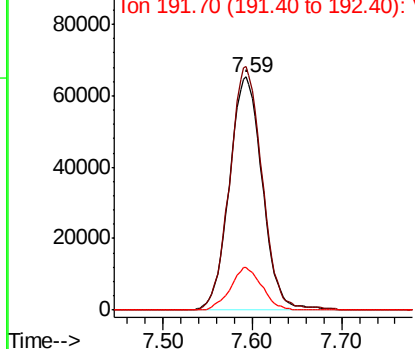


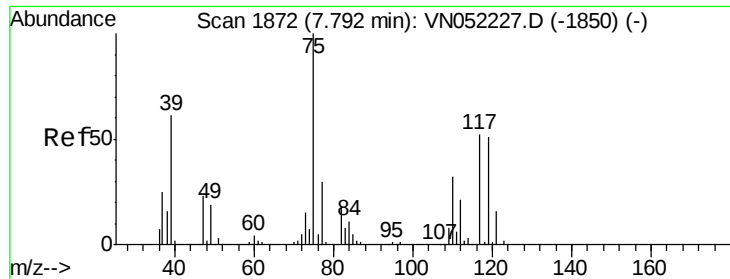
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

Tgt Ion:113 Resp: 166937
Ion Ratio Lower Upper
113 100
111 103.2 80.2 120.4
192 17.5 14.1 21.1



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

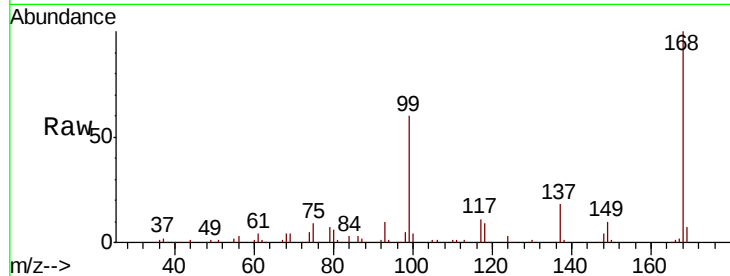




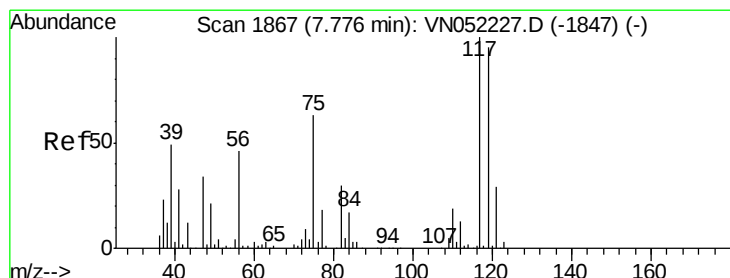
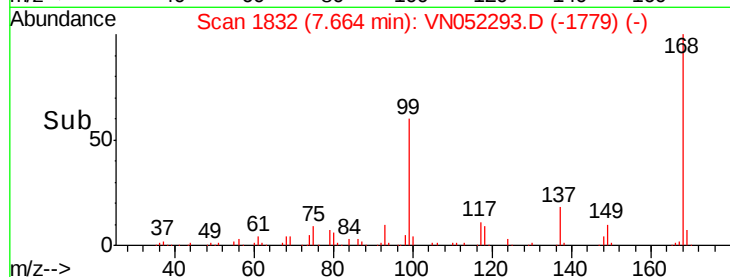
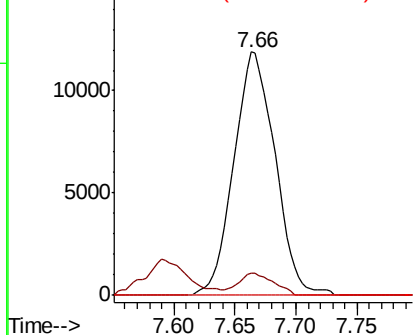
#36
 1,1-Dichloropropene
 Concen: 5.192 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052293.D
 Acq: 13 Nov 2018 18:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 27890
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.4 49.4#
 77 0.0 23.9 35.9#

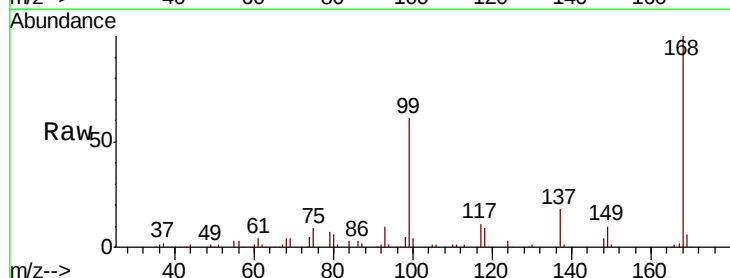


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

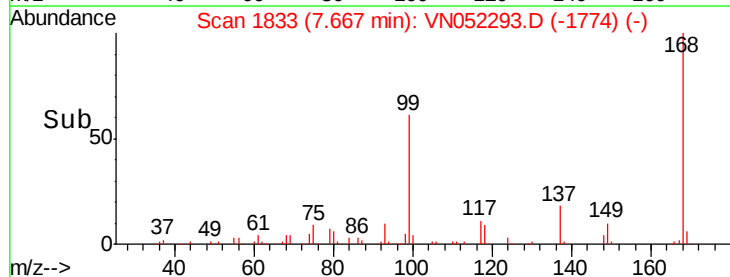
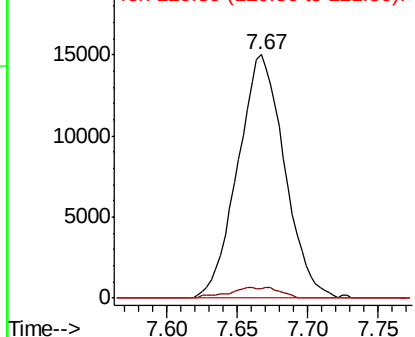


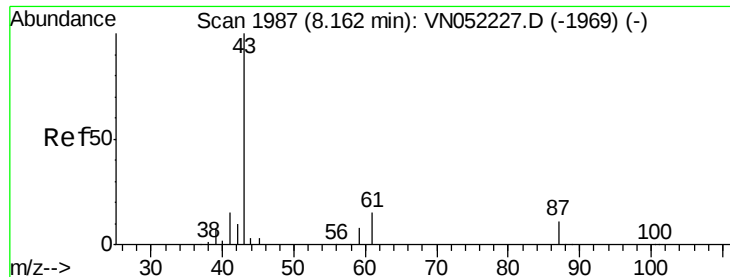
#38
 Carbon Tetrachloride
 Concen: 7.131 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052293.D
 Acq: 13 Nov 2018 18:10

Tgt Ion: 117 Resp: 34718
 Ion Ratio Lower Upper
 117 100
 119 4.0 75.8 113.8#
 121 0.0 23.4 35.2#



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: 18.157 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

ClientSampleId :

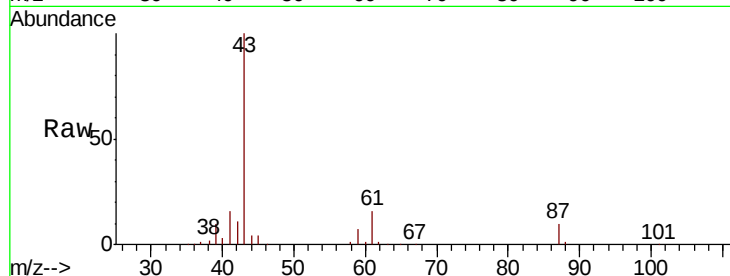
Tot Ion: 43 Resp: 127875

Ion Ratio Lower Upper

43 100

61 15.7 14.2 21.4

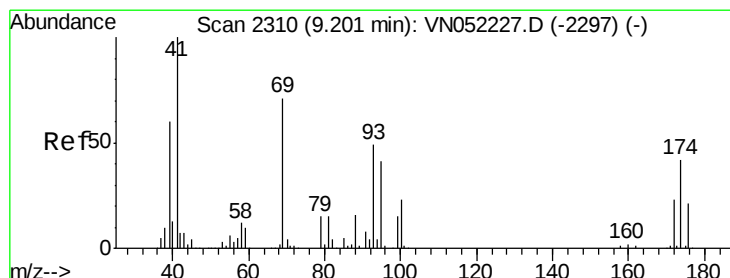
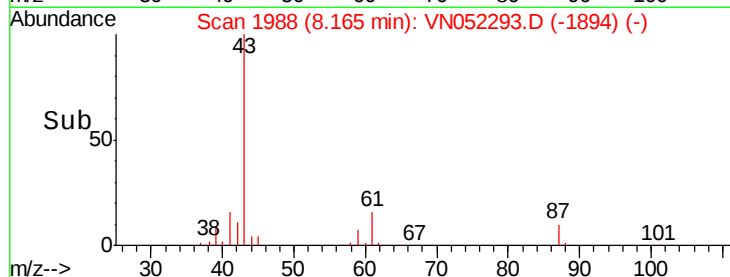
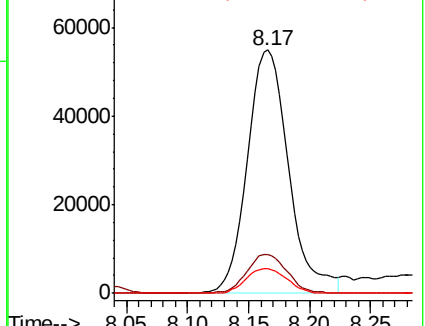
87 10.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN052227.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN052227.D (-1969) (-)



#48

Methyl methacrylate

Concen: 1.251 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

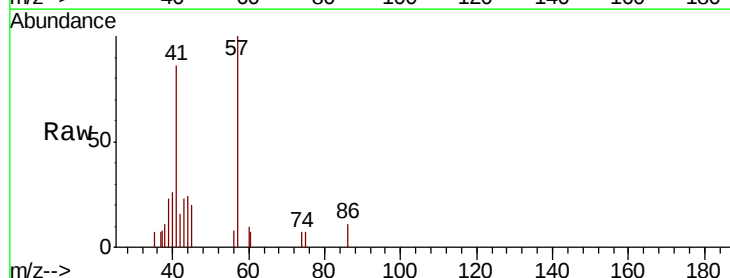
Tgt Ion: 41 Resp: 4641

Ion Ratio Lower Upper

41 100

69 0.0 58.8 88.2#

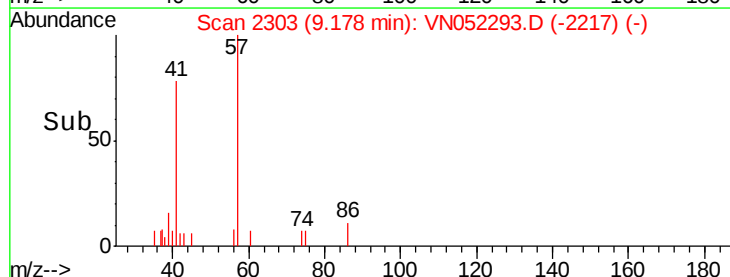
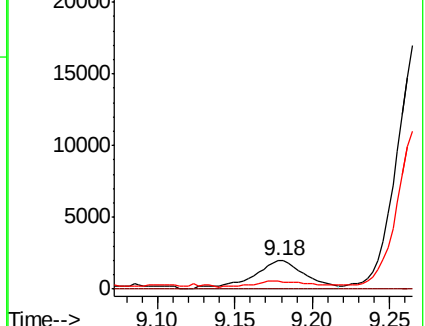
39 15.2 50.7 76.1#

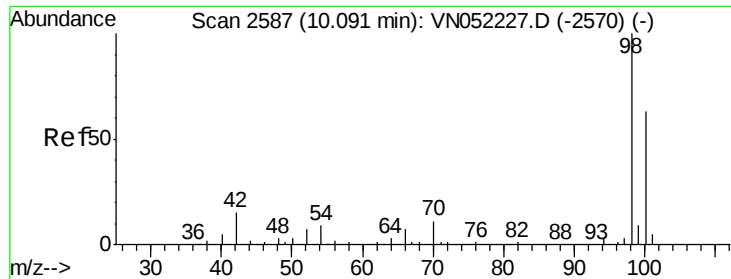


Abundance Ion 41.00 (40.70 to 41.70): VN052227.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN052227.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN052227.D (-2297) (-)





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

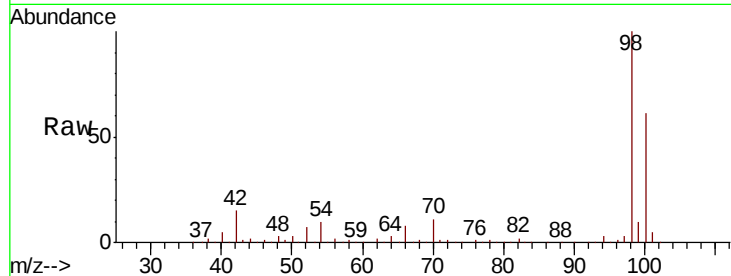
ClientSampled :

Tot Ion: 98 Resp: 666904

Ion Ratio Lower Upper

98 100

100 61.7 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

400000

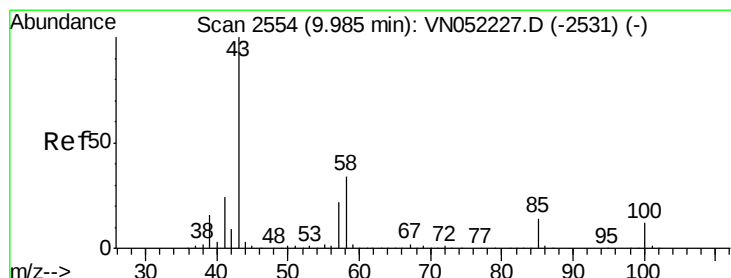
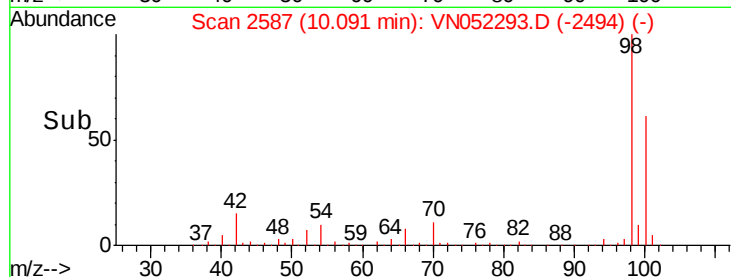
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052293.D

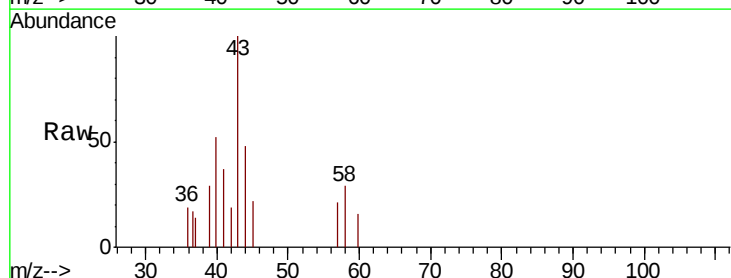
Acq: 13 Nov 2018 18:10

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

58 58.4 27.4 41.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

1200

1000

800

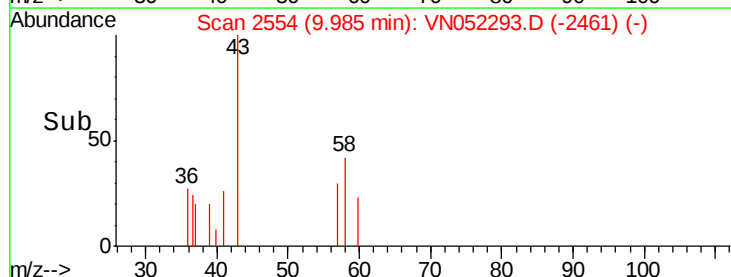
600

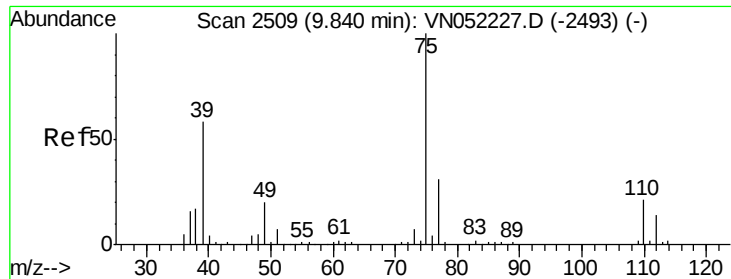
400

200

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 1.690 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

ClientSampled :

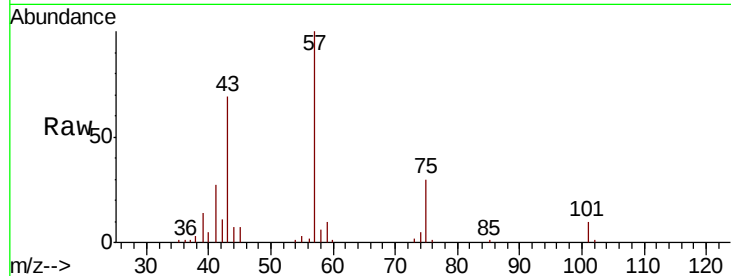
Tot Ion: 75 Resp: 10070

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

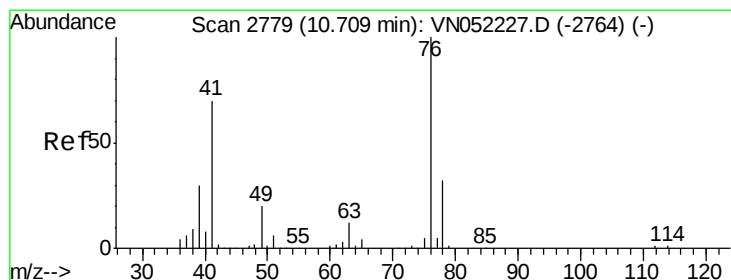
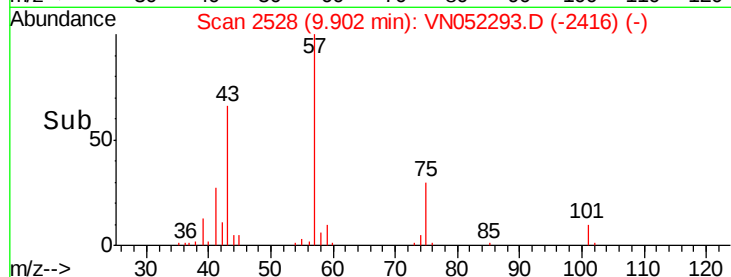
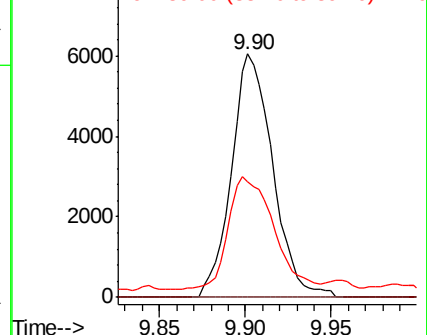
39 43.6 46.6 70.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.357 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052293.D

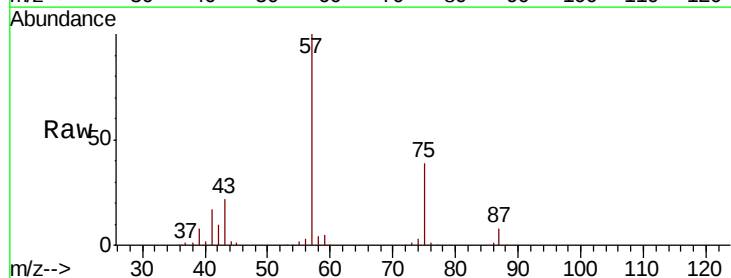
Acq: 13 Nov 2018 18:10

Tgt Ion: 76 Resp: 2144

Ion Ratio Lower Upper

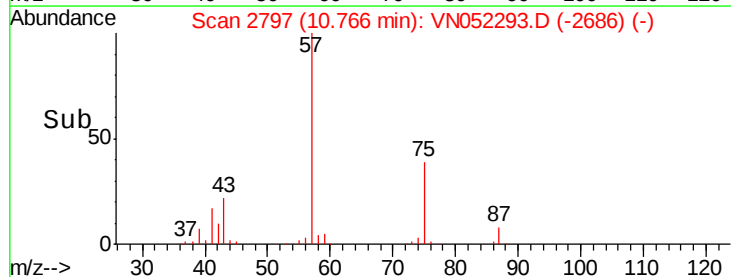
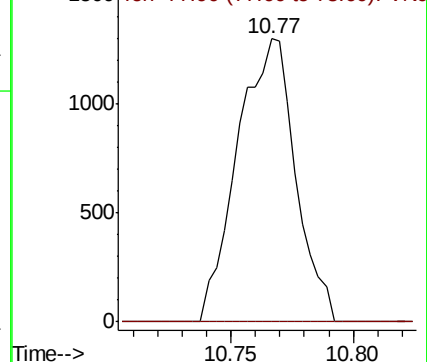
76 100

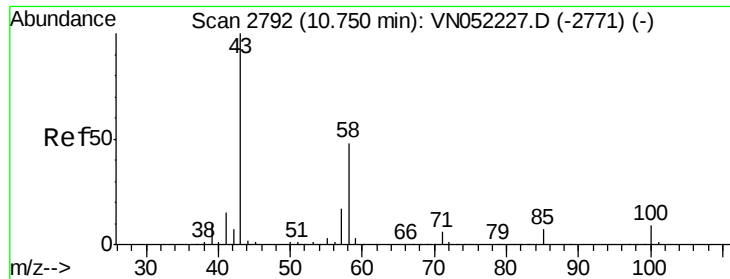
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 13.892 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

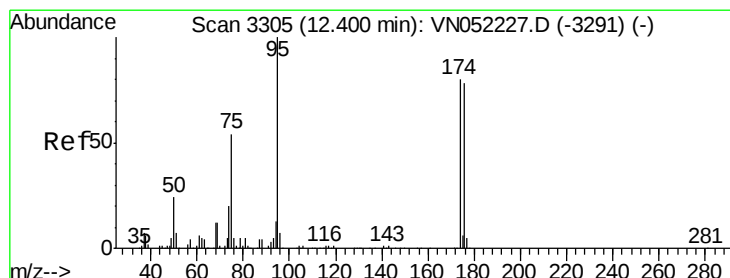
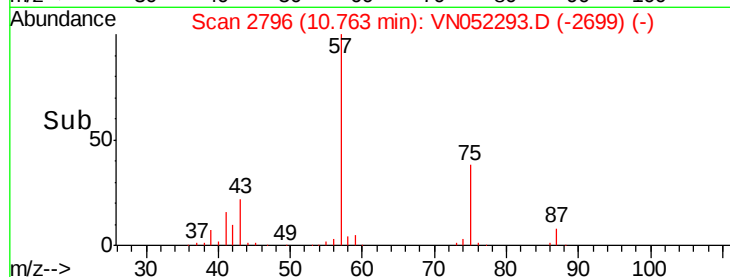
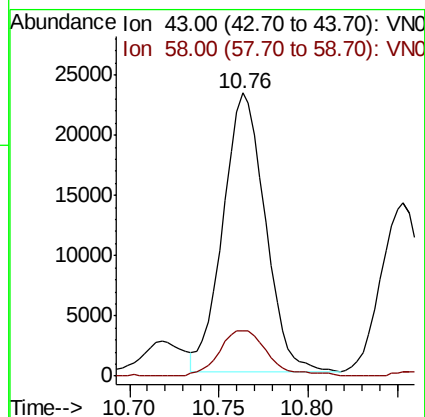
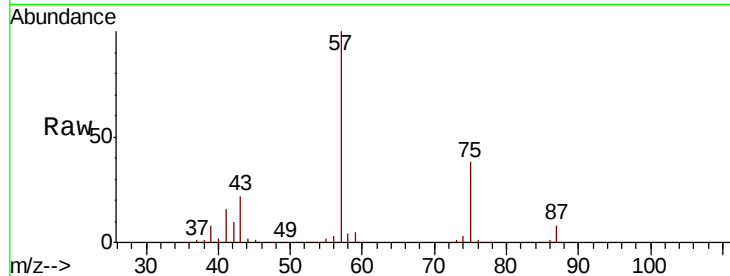
ClientSampled :

Tot Ion: 43 Resp: 37929

Ion Ratio Lower Upper

43 100

58 19.0 24.1 72.3#



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

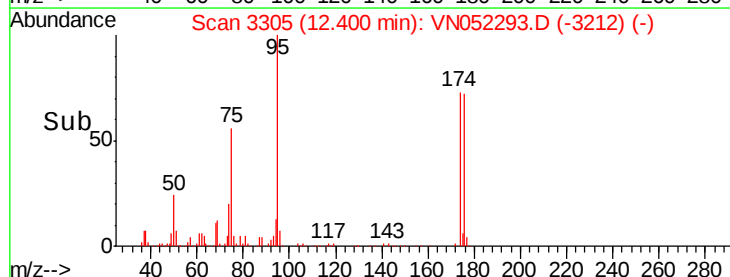
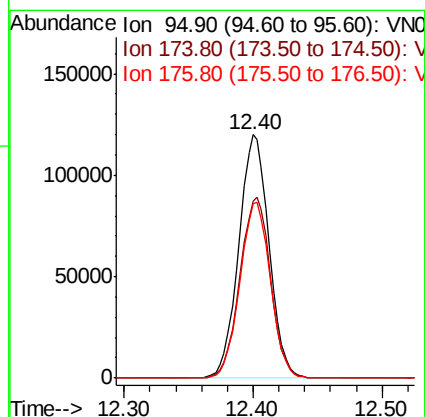
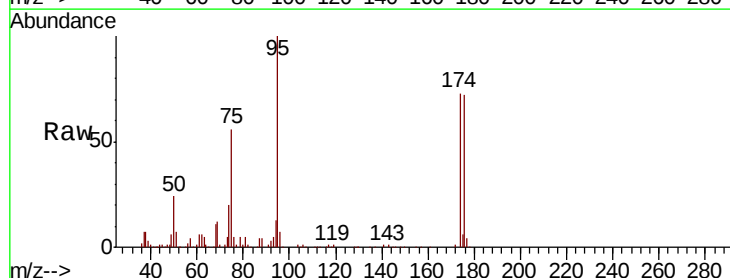
Tgt Ion: 95 Resp: 194915

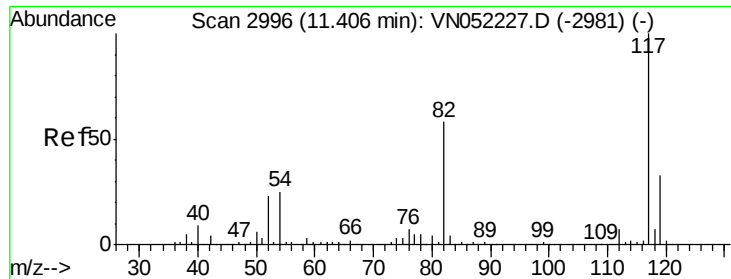
Ion Ratio Lower Upper

95 100

174 75.8 0.0 159.4

176 72.8 0.0 157.8

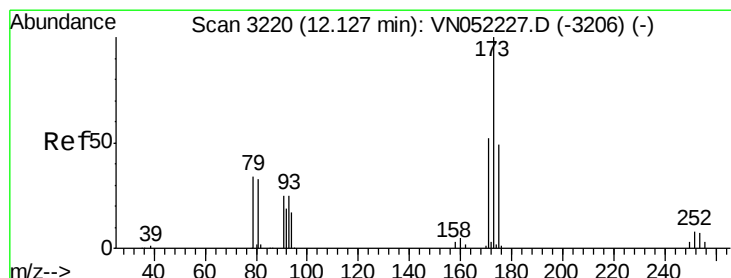
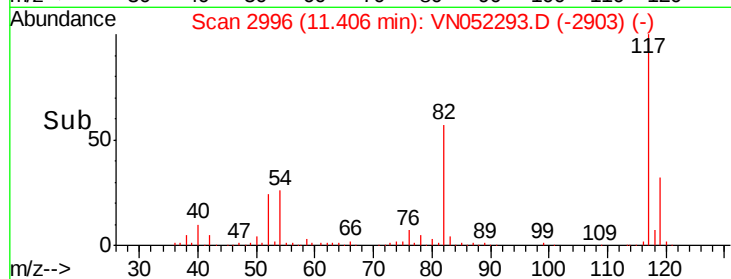
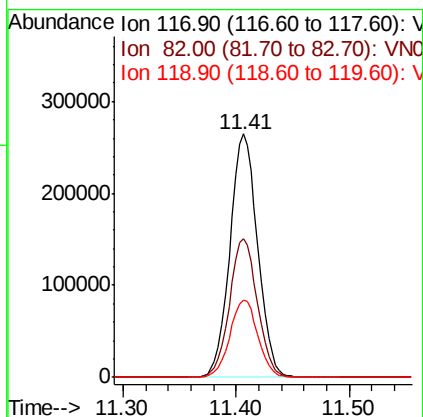
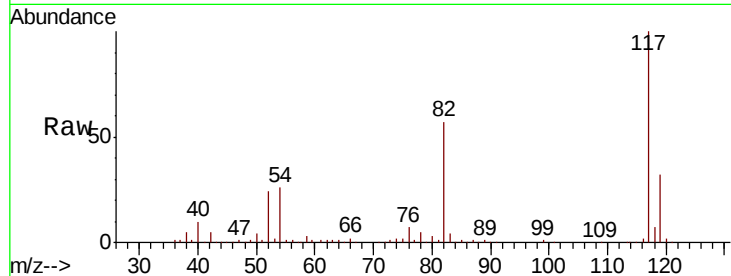




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

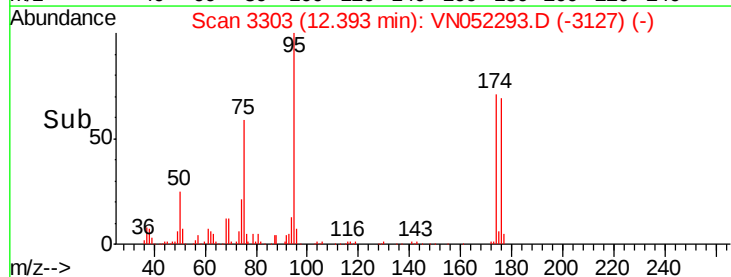
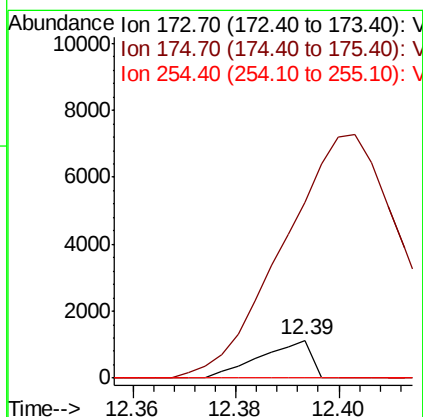
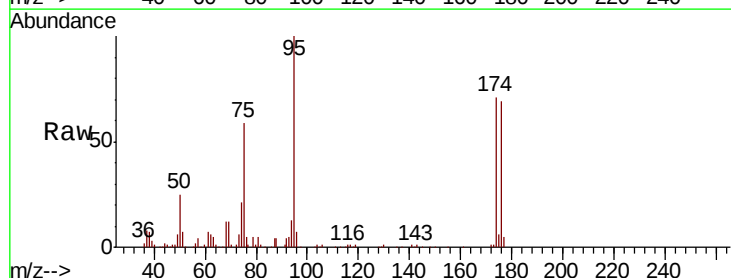
Instrument :
MSVOA_N
ClientSampleId :

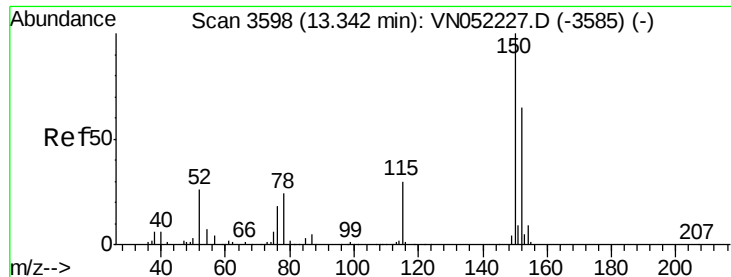
Tot Ion:117 Resp: 450235
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.2
119 31.9 26.2 39.4



#71
Bromoform
Concen: 0.396 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN052293.D
Acq: 13 Nov 2018 18:10

Tgt Ion:173 Resp: 764
Ion Ratio Lower Upper
173 100
175 1364.9 24.5 73.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

ClientSampleId :

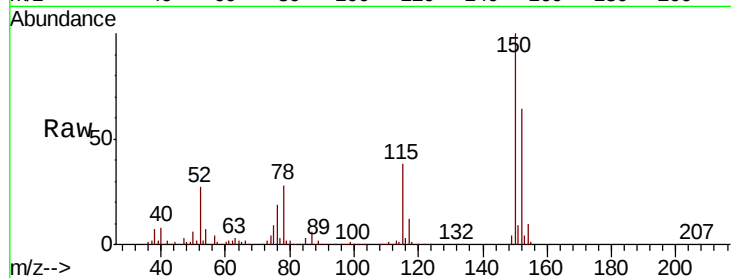
Tot Ion:152 Resp: 158762

Ion Ratio Lower Upper

152 100

115 60.0 29.8 89.5

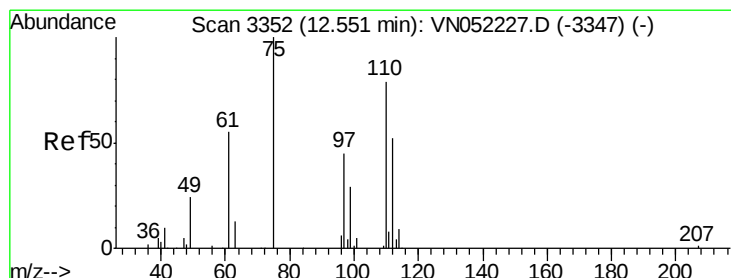
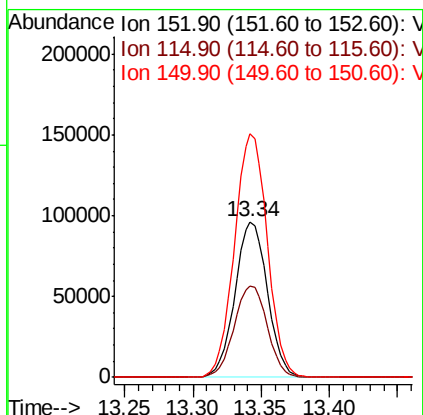
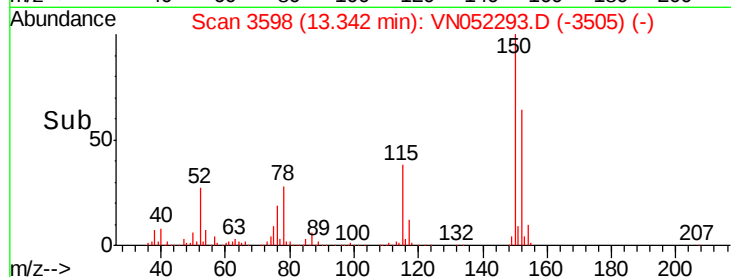
150 158.0 0.0 350.2



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: 38.970 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052293.D

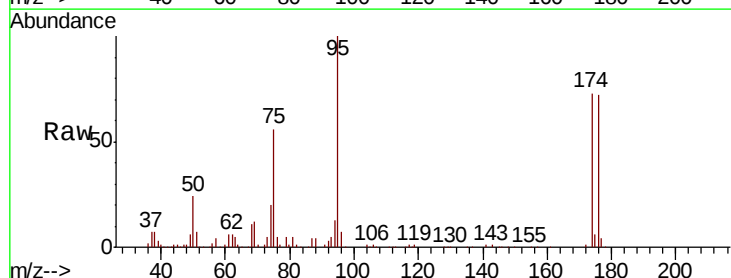
Acq: 13 Nov 2018 18:10

Tgt Ion: 75 Resp: 109463

Ion Ratio Lower Upper

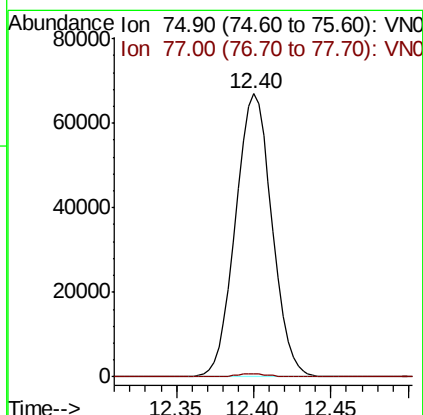
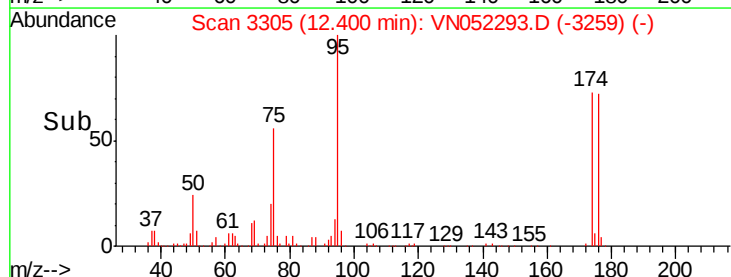
75 100

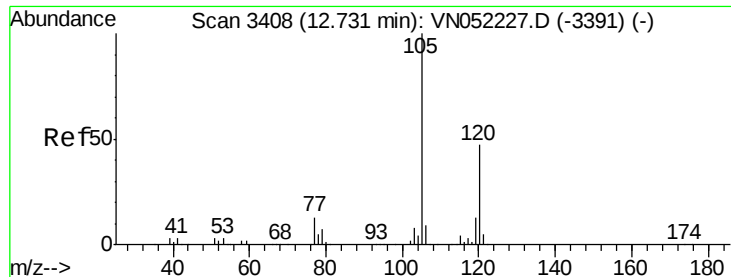
77 1.0 0.0 0.0#



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: 0.258 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

Instrument :

MSVOA_N

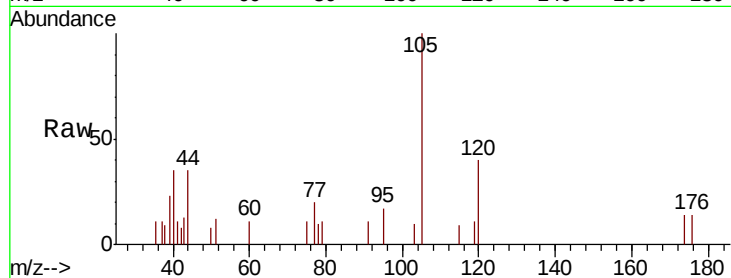
ClientSampleId :

Tot Ion:105 Resp: 2661

Ion Ratio Lower Upper

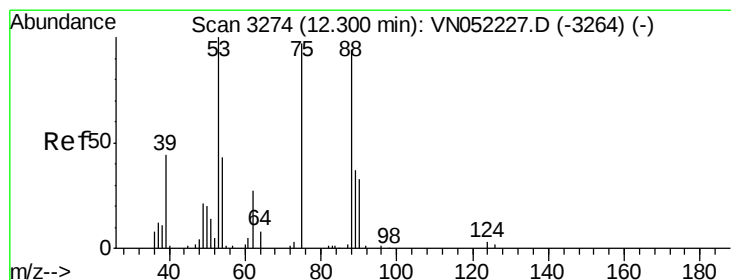
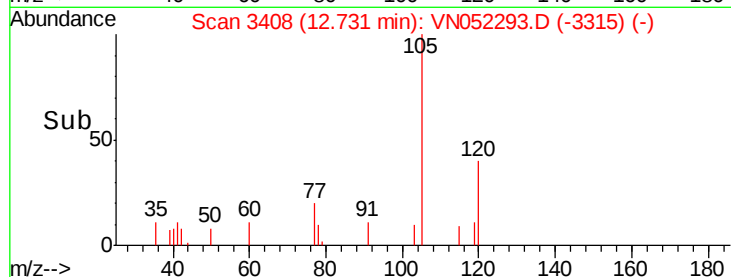
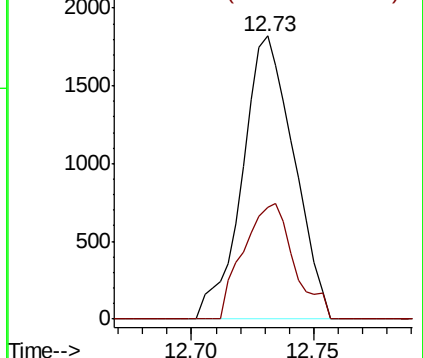
105 100

120 40.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 133.022 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052293.D

Acq: 13 Nov 2018 18:10

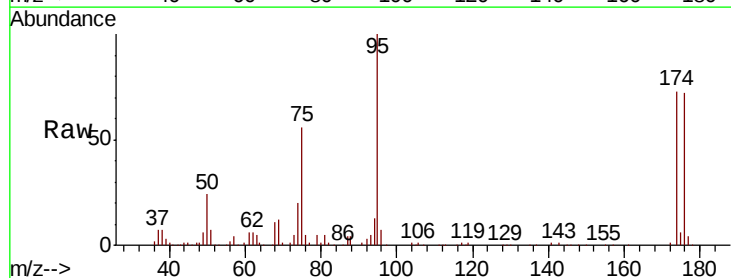
Tgt Ion: 75 Resp: 109463

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#



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

