

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052296.D
 Acq On : 13 Nov 2018 19:30
 Operator : MD\SY
 Sample : PB114744ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:11:16 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	307214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	521347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153565	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	211916	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	164773	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	10.09	98	644337	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	184791	43.24	ug/l	0.00
Spiked Amount			Recovery	=	86.48%	

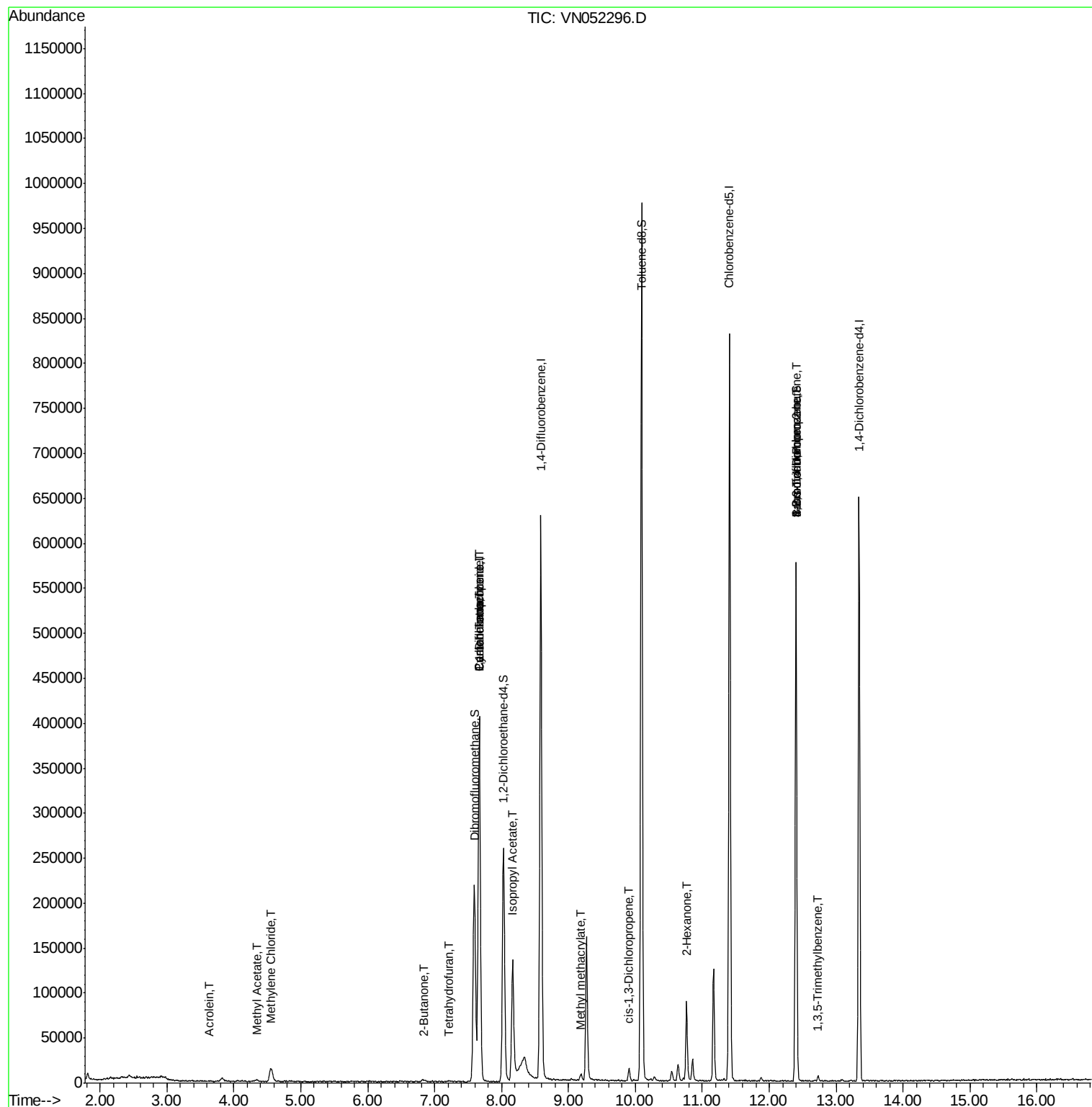
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	66	34.270	ug/l #	12
16) Acetone	3.82	43	5117	Below Cal		90
18) Methyl Acetate	4.34	43	4436	1.264	ug/l #	74
20) Methylene Chloride	4.55	84	10166	2.654	ug/l	92
25) 2-Butanone	6.84	43	567	0.316	ug/l #	52
29) Tetrahydrofuran	7.22	42	300	0.257	ug/l #	58
31) Cyclohexane	7.66	56	8277	0.593	ug/l #	20
36) 1,1-Dichloropropene	7.67	75	27235	5.176	ug/l #	51
38) Carbon Tetrachloride	7.66	117	32549	6.825	ug/l #	17
43) Isopropyl Acetate	8.17	43	171257	24.824	ug/l	97
48) Methyl methacrylate	9.18	41	5323	1.464	ug/l #	29
54) cis-1,3-Dichloropropene	9.90	75	2273	0.390	ug/l #	79
59) 2-Hexanone	10.76	43	14524	5.431	ug/l #	55
71) Bromoform	12.40	173	1145	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	103491	38.091	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2401	0.241	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	103491	130.020	ug/l #	8

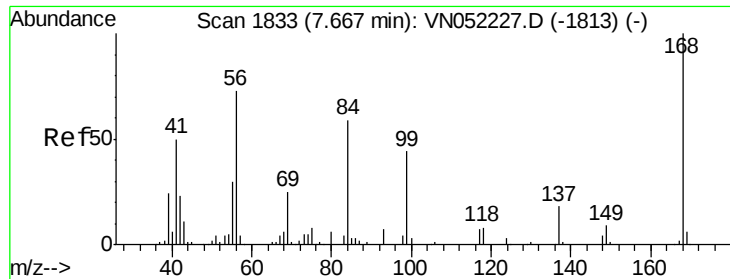
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
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: VN052296.D

Acq: 13 Nov 2018 19:30

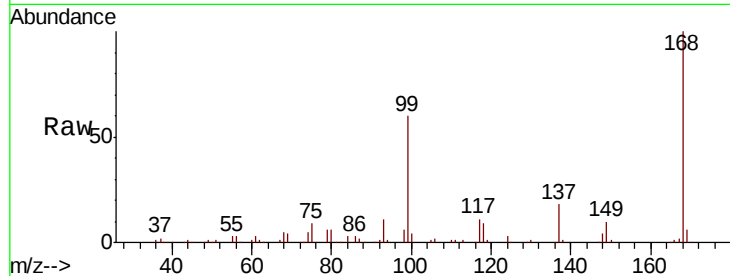
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 307214

Ion Ratio Lower Upper

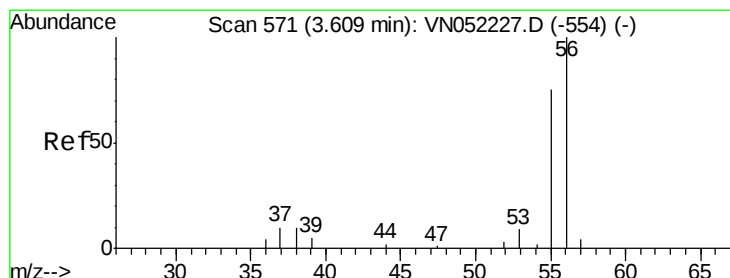
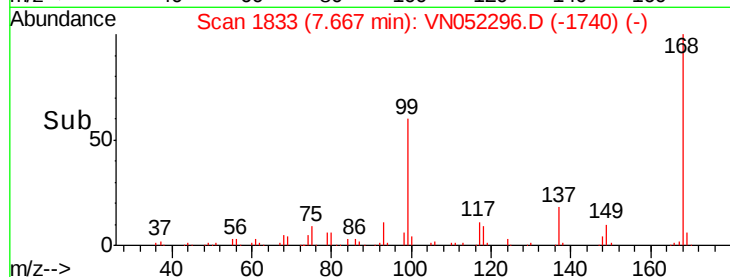
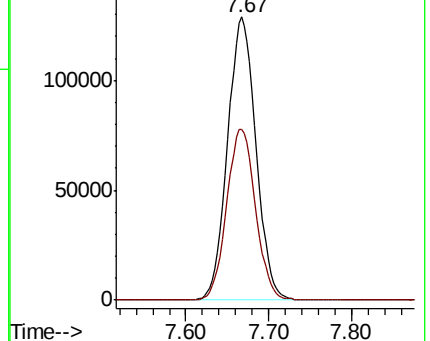
168 100

99 60.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 34.270 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052296.D

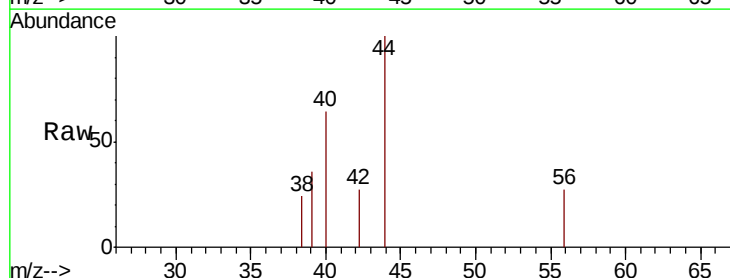
Acq: 13 Nov 2018 19:30

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

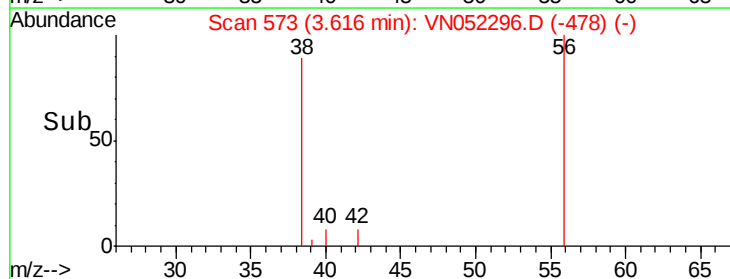
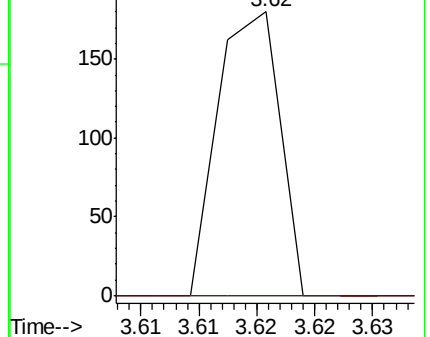
56 100

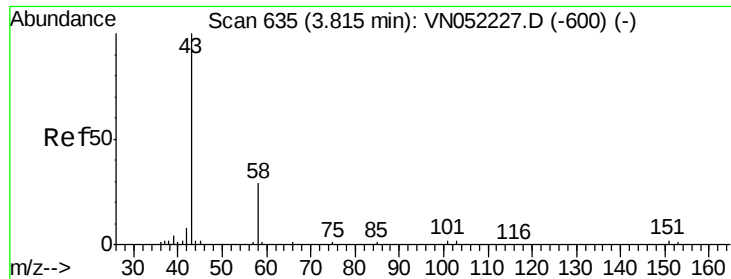
55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

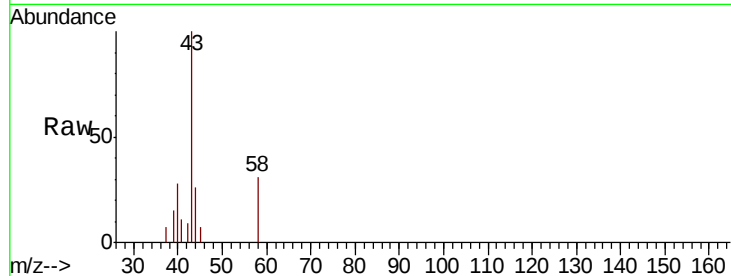
ClientSampled :

Tot Ion: 43 Resp: 5117

Ion Ratio Lower Upper

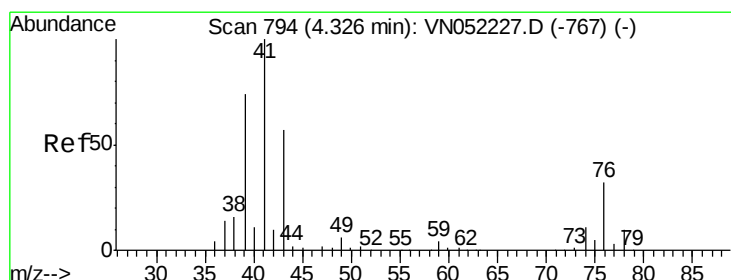
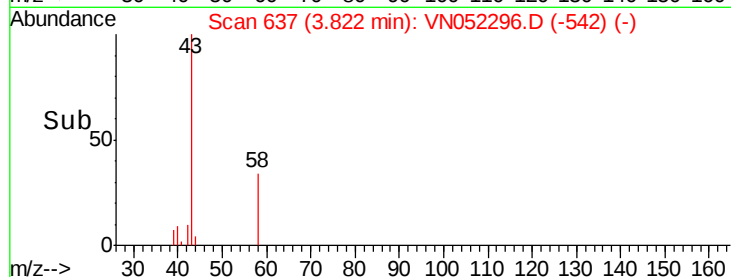
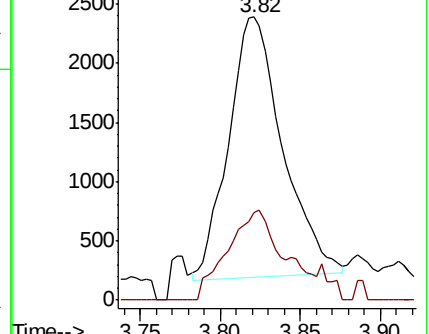
43 100

58 34.1 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: 1.264 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052296.D

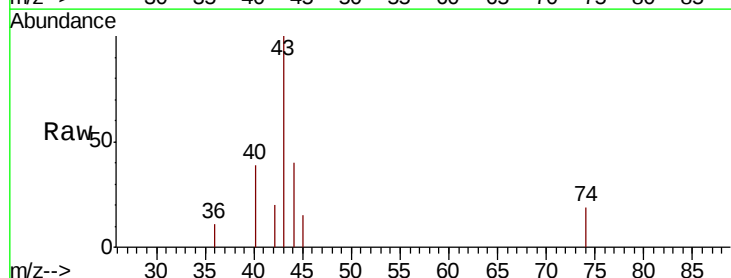
Acq: 13 Nov 2018 19:30

Tgt Ion: 43 Resp: 4436

Ion Ratio Lower Upper

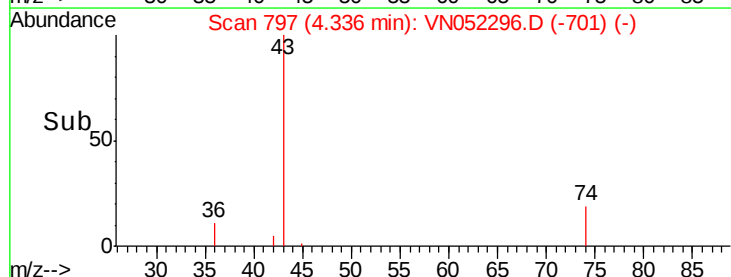
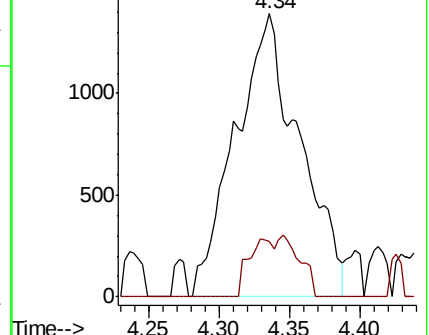
43 100

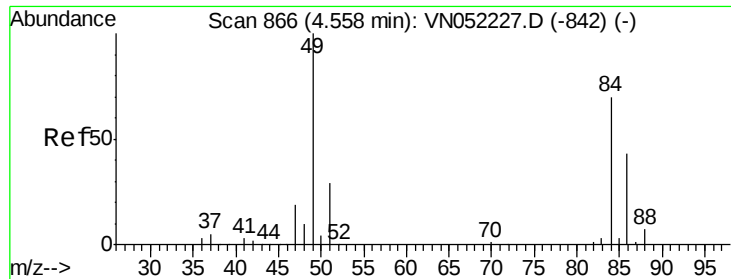
74 8.1 16.2 24.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

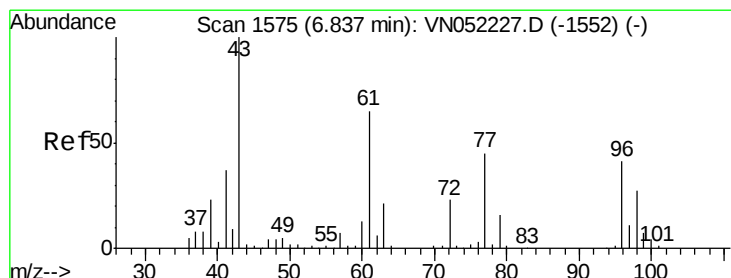
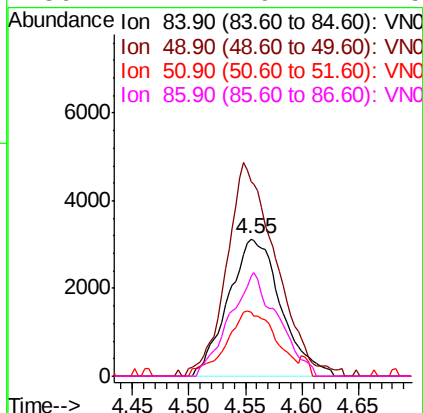
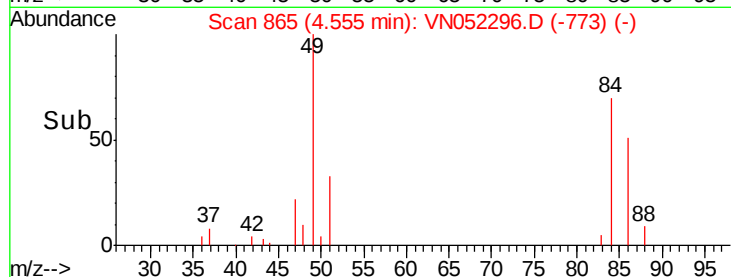
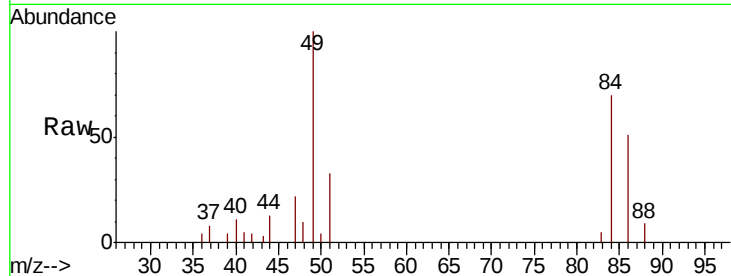




#20
Methvlene Chloride
Concen: 2.654 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

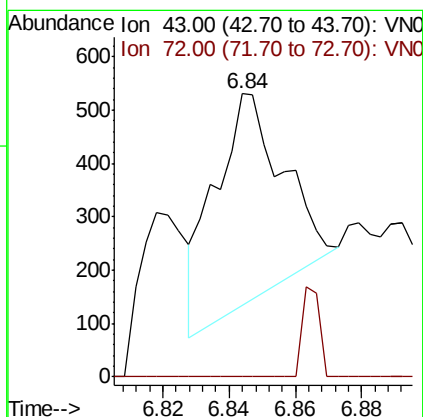
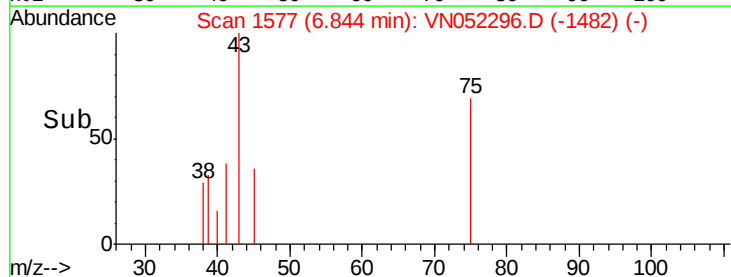
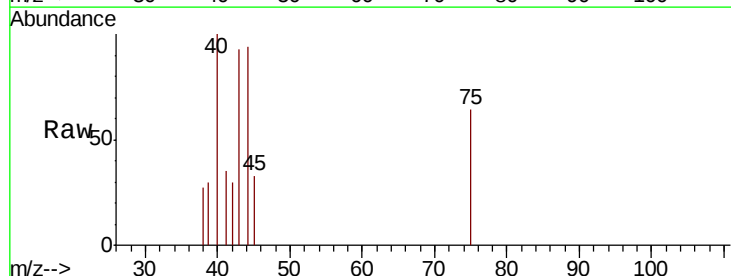
Instrument :
MSVOA_N
ClientSampled :

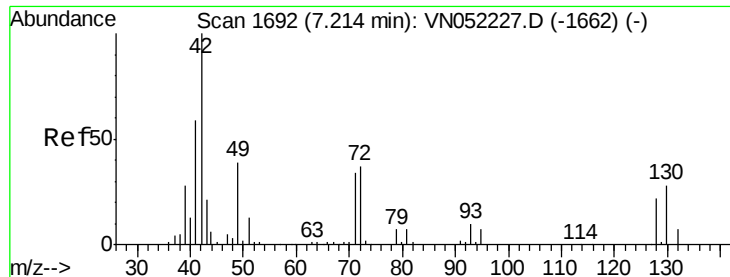
Tot Ion: 84 Resp: 10166
Ion Ratio Lower Upper
84 100
49 137.2 114.8 172.2
51 46.5 33.1 49.7
86 72.4 49.7 74.5



#25
2-Butanone
Concen: 0.316 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

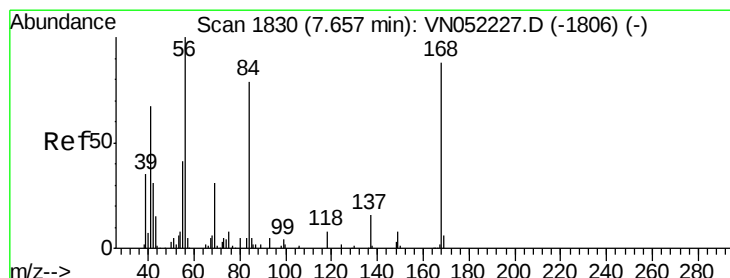
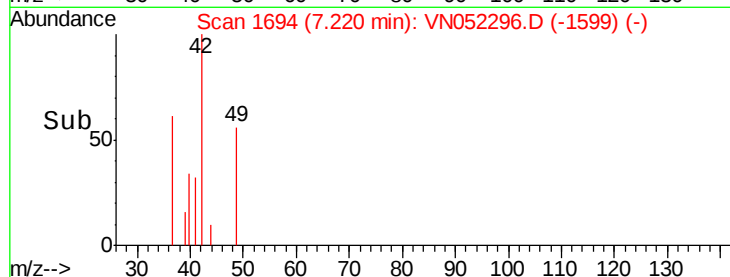
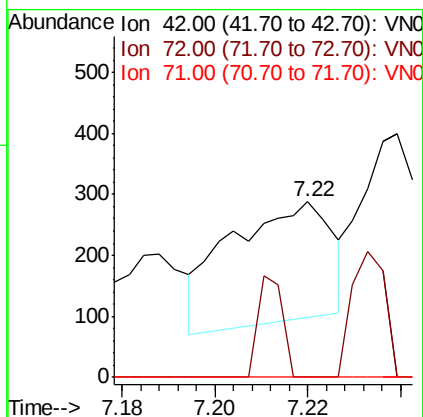
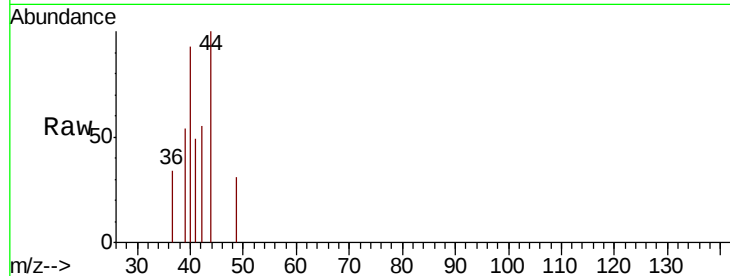




#29
Tetrahydrofuran
Concen: 0.257 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

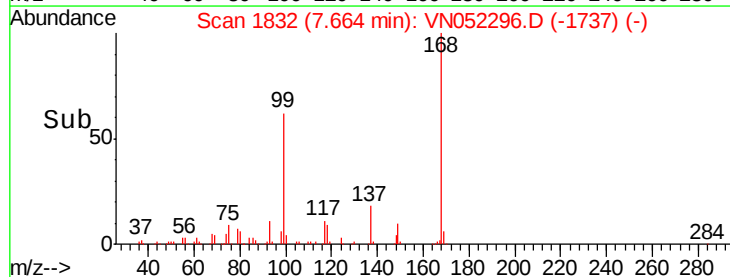
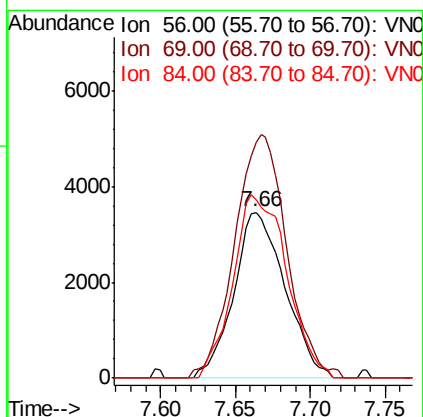
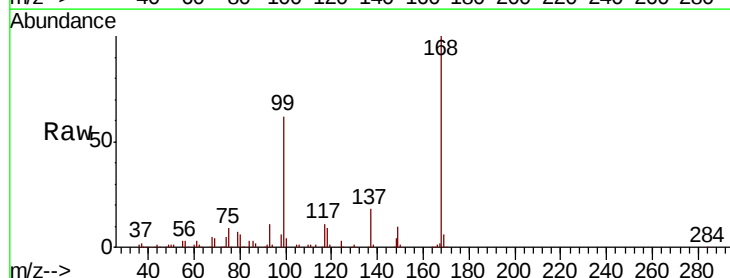
Instrument :
MSVOA_N
ClientSampled :

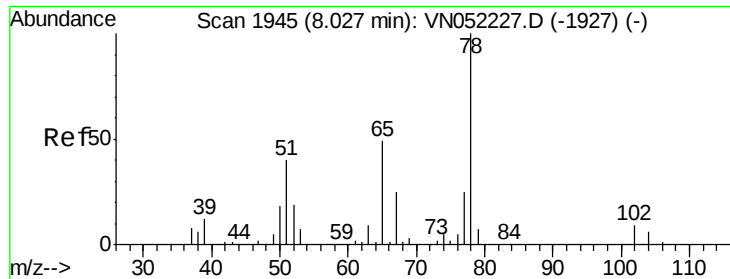
Tot Ion: 42 Resp: 300
Ion Ratio Lower Upper
42 100
72 20.3 28.6 43.0#
71 0.0 27.1 40.7#



#31
Cyclohexane
Concen: 0.593 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

Tgt Ion: 56 Resp: 8277
Ion Ratio Lower Upper
56 100
69 142.2 24.8 37.2#
84 107.2 63.1 94.7#

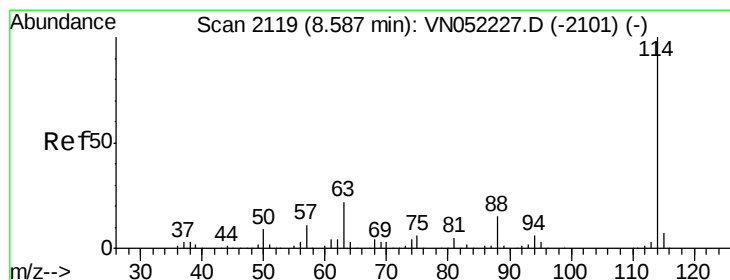
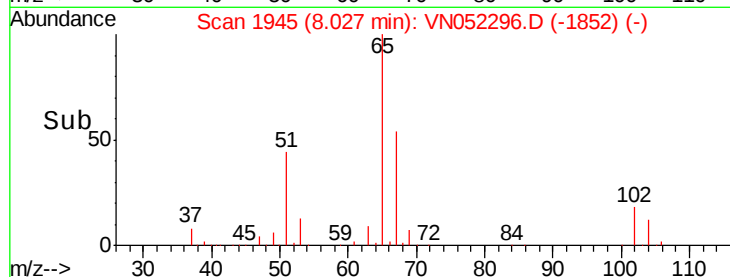
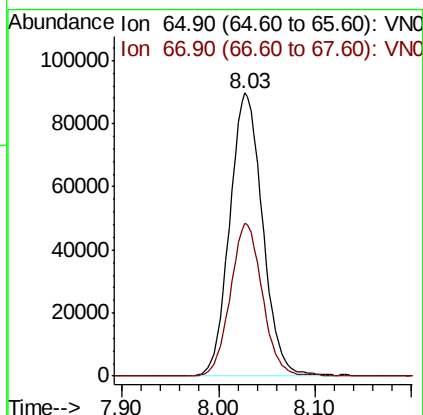
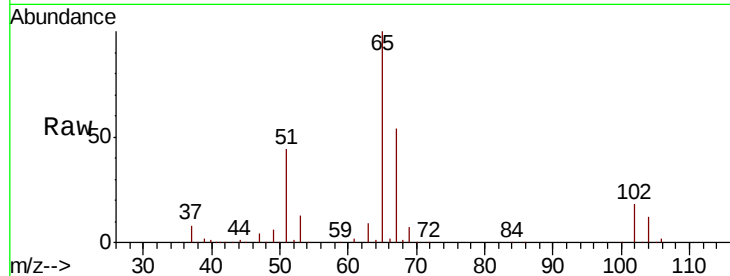




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

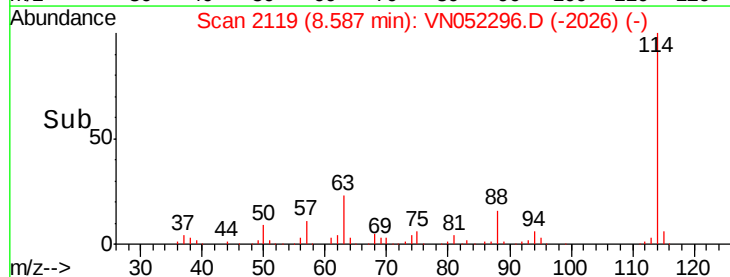
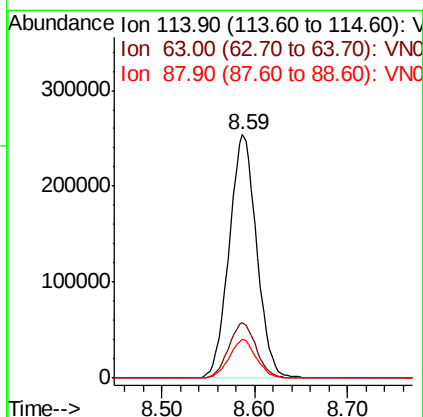
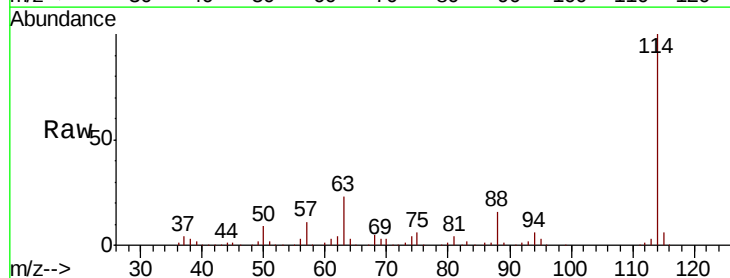
Instrument :
 MSVOA_N
 ClientSampleId :

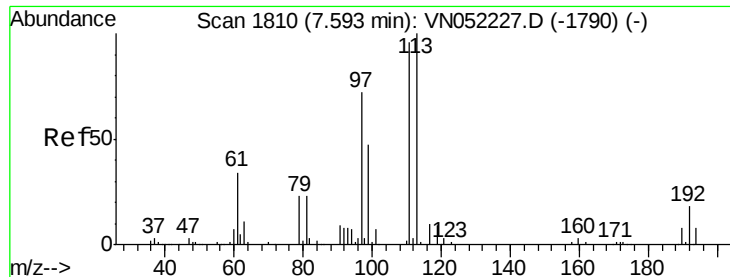
Tot Ion: 65 Resp: 211916
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

Tgt Ion: 114 Resp: 521347
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.4
 88 15.7 0.0 30.2

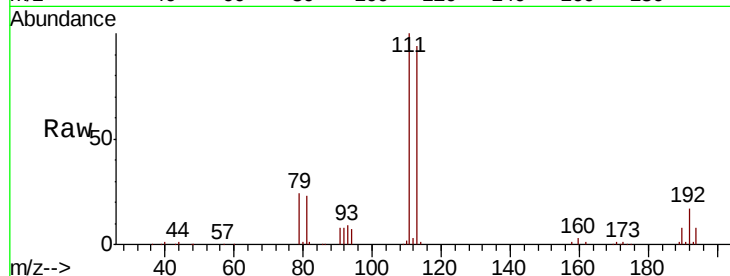




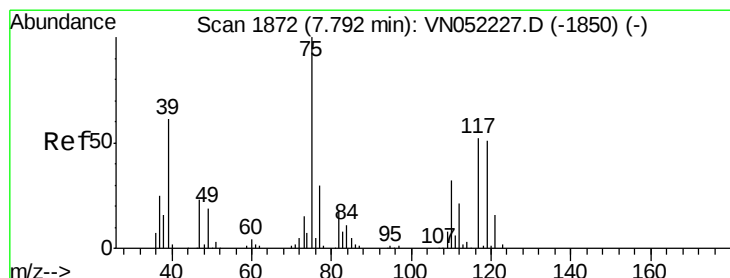
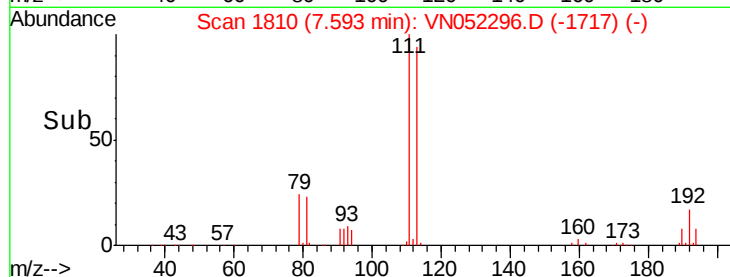
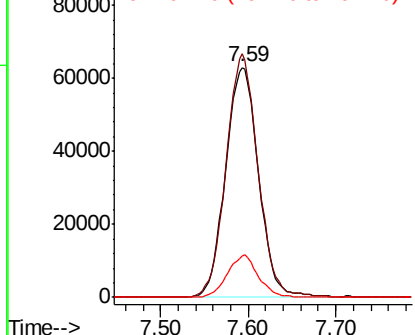
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 164773
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.2 120.4
 192 17.1 14.1 21.1

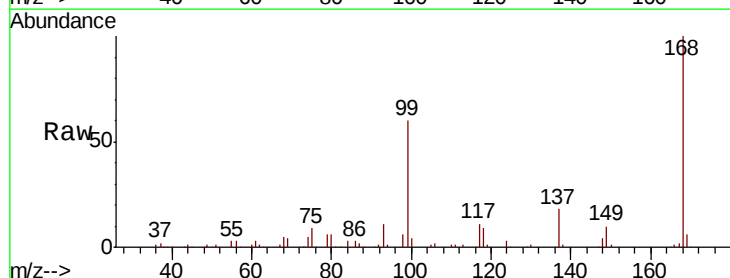


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

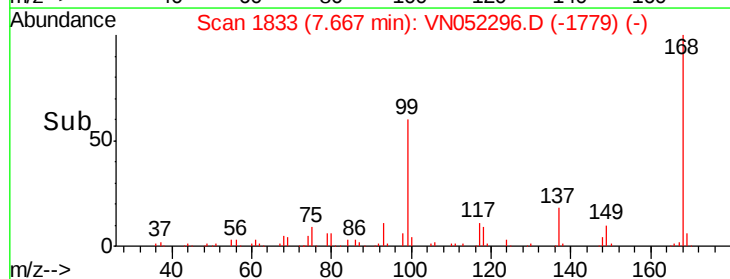
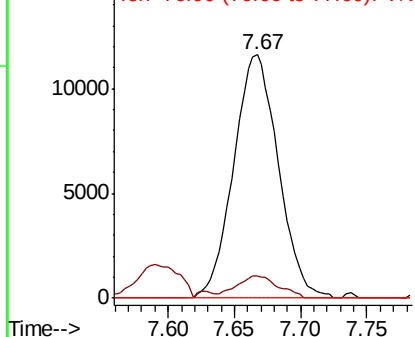


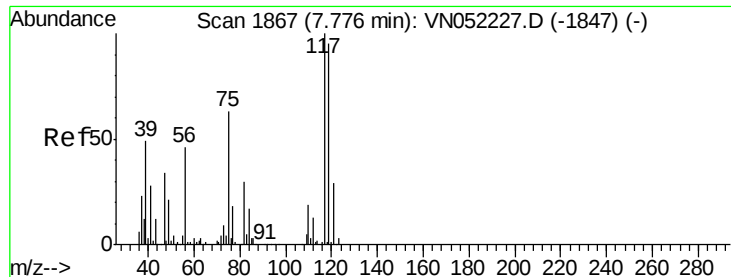
#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

Tgt Ion: 75 Resp: 27235
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.4#
 77 0.0 23.9 35.9#



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





#38

Carbon Tetrachloride

Concen: 6.825 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

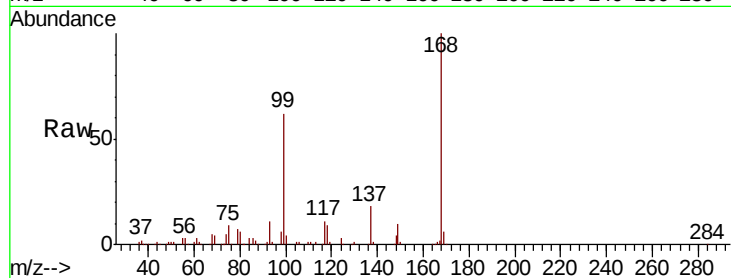
Tot Ion:117 Resp: 32549

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.8#

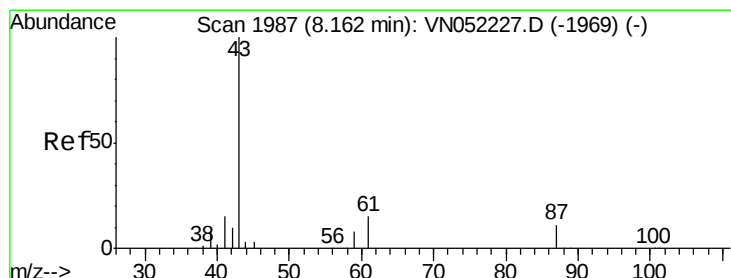
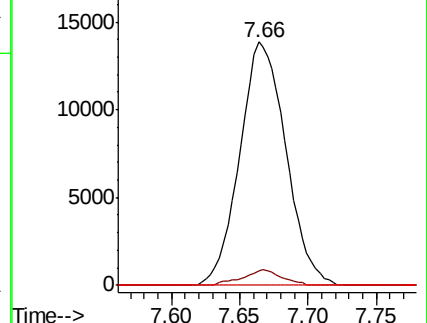
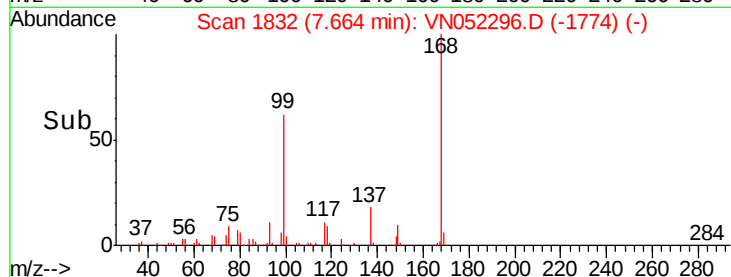
121 0.0 23.4 35.2#



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: 24.824 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

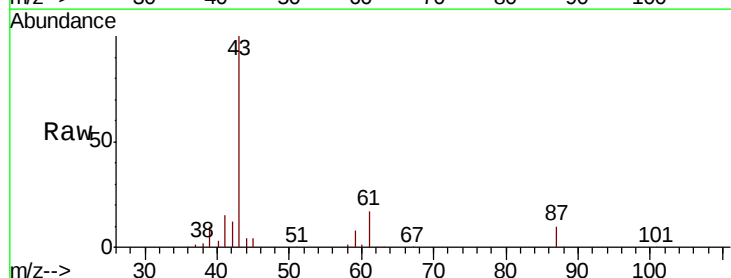
Tgt Ion: 43 Resp: 171257

Ion Ratio Lower Upper

43 100

61 16.2 14.2 21.4

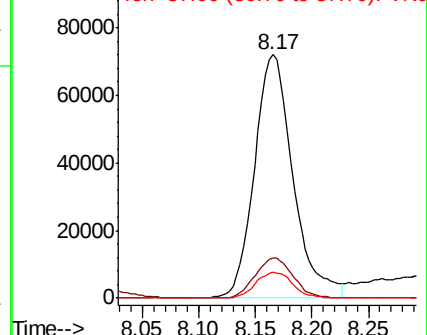
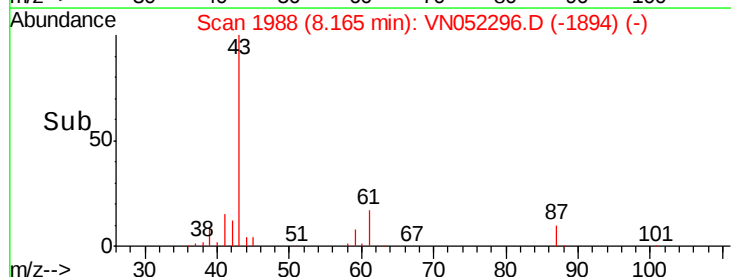
87 10.1 8.4 12.6

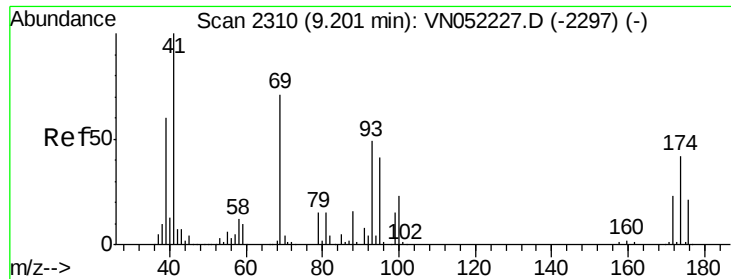


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

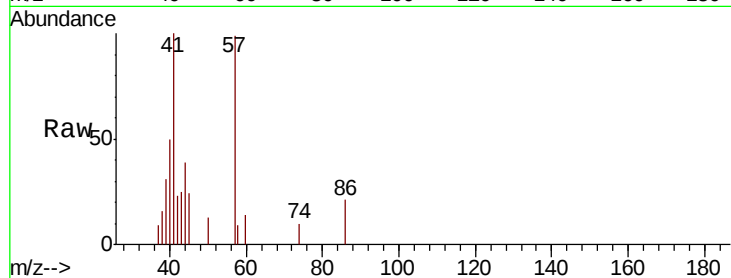




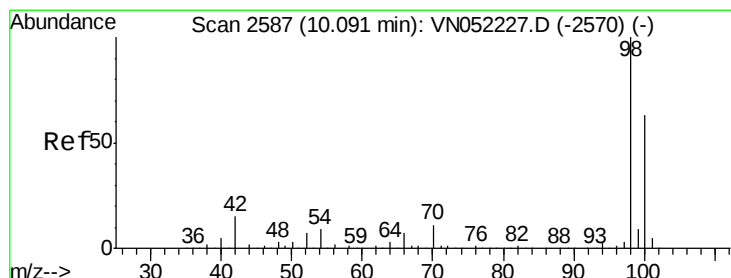
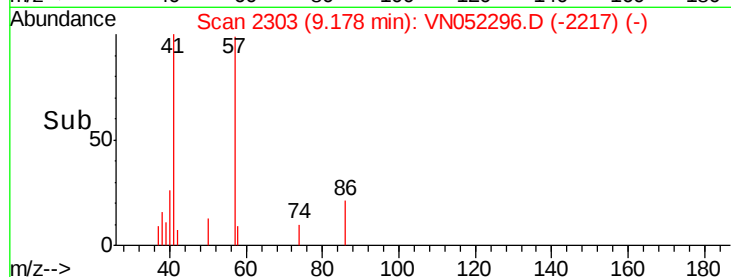
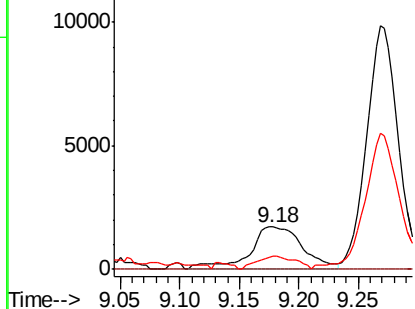
#48
Methvl methacrylate
Concen: 1.464 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 5323
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 22.4 50.7 76.1#

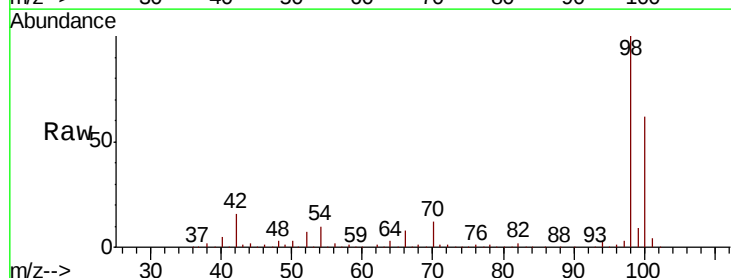


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

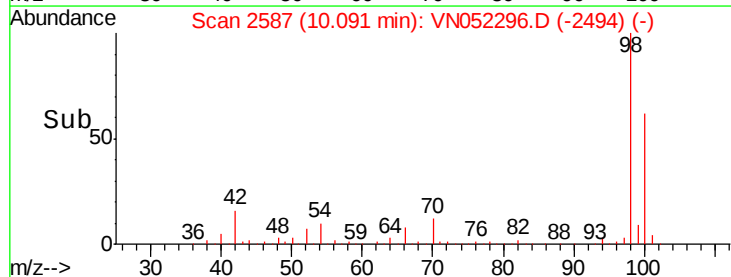
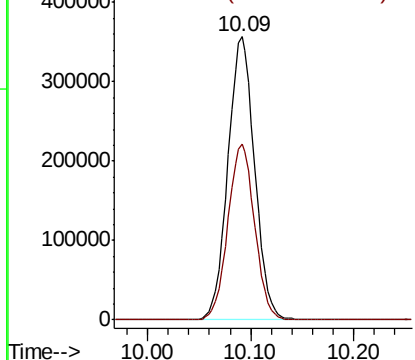


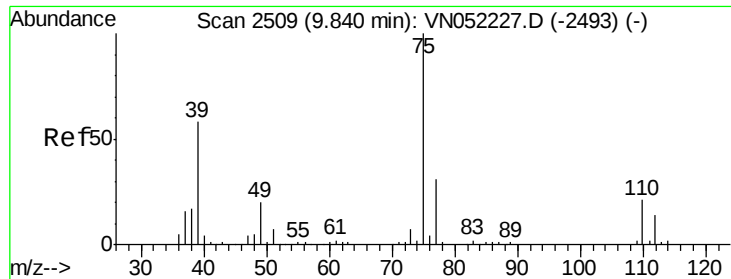
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052296.D
Acq: 13 Nov 2018 19:30

Tgt Ion: 98 Resp: 644337
Ion Ratio Lower Upper
98 100
100 61.9 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

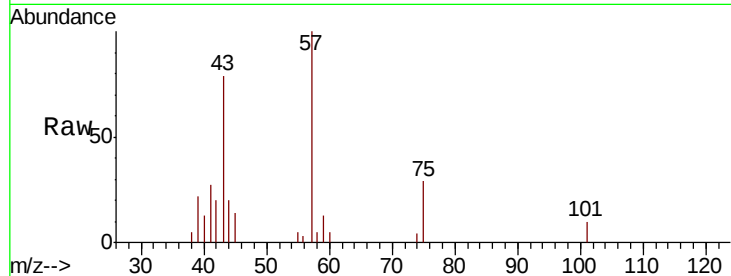




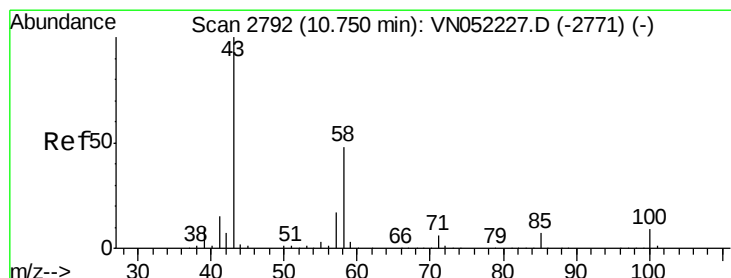
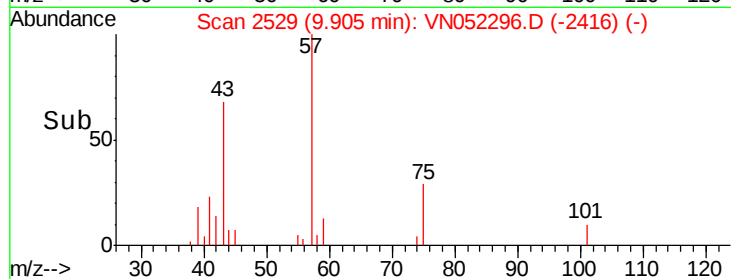
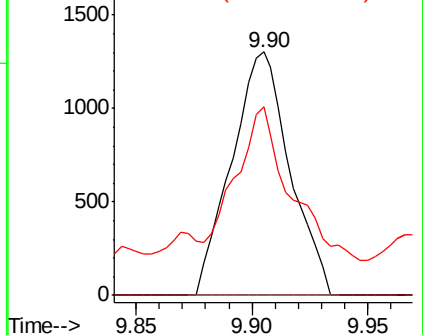
#54
 cis-1,3-Dichloropropene
 Concen: 0.390 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 2273
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 56.6 46.6 70.0

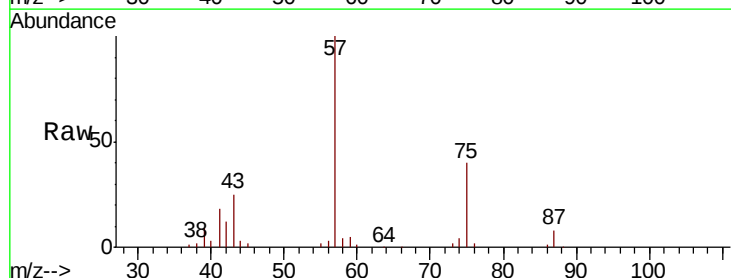


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

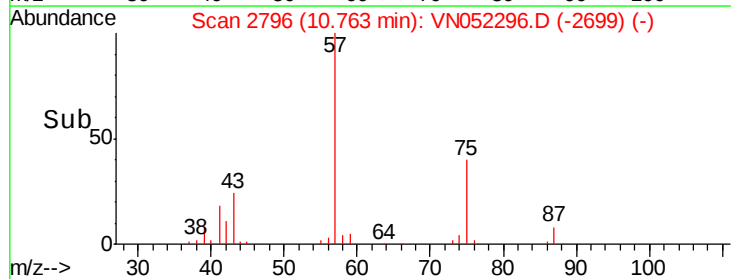
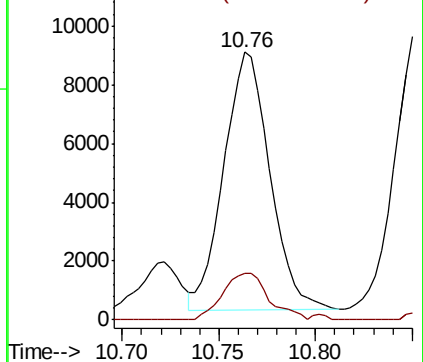


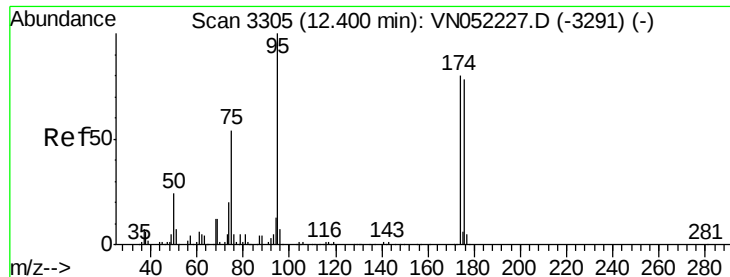
#59
 2-Hexanone
 Concen: 5.431 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052296.D
 Acq: 13 Nov 2018 19:30

Tgt Ion: 43 Resp: 14524
 Ion Ratio Lower Upper
 43 100
 58 18.1 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

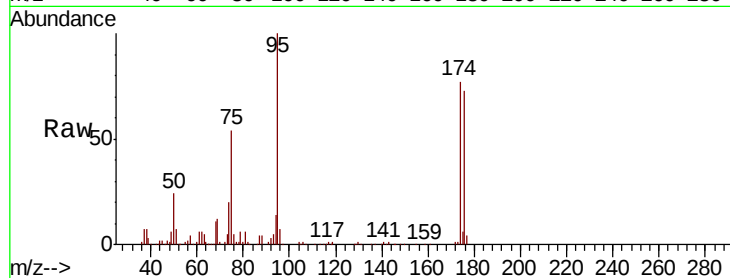
Tot Ion: 95 Resp: 184791

Ion Ratio Lower Upper

95 100

174 77.9 0.0 159.4

176 74.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN052227.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052227.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052227.D (-3291) (-)

12.40

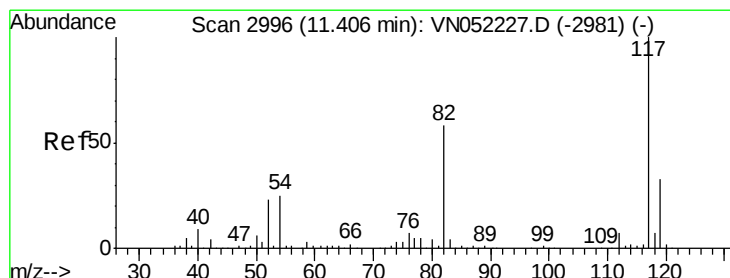
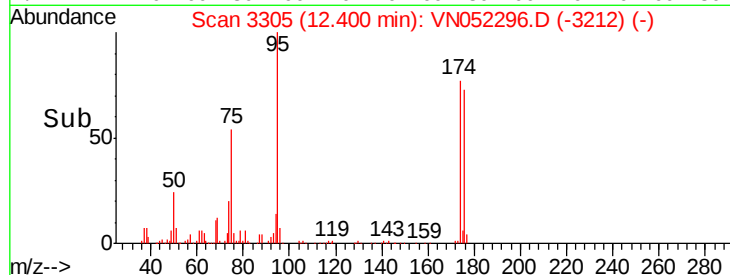
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

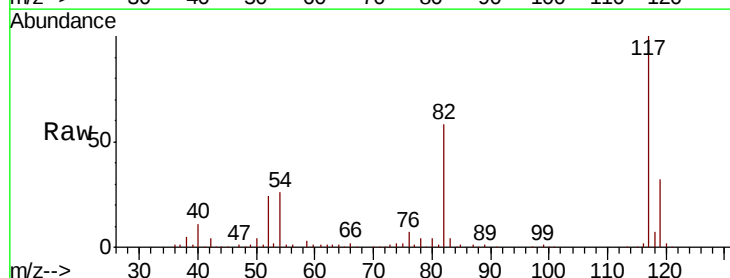
Tgt Ion: 117 Resp: 436780

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

119 32.4 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VN052227.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052227.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052227.D (-2981) (-)

11.41

300000

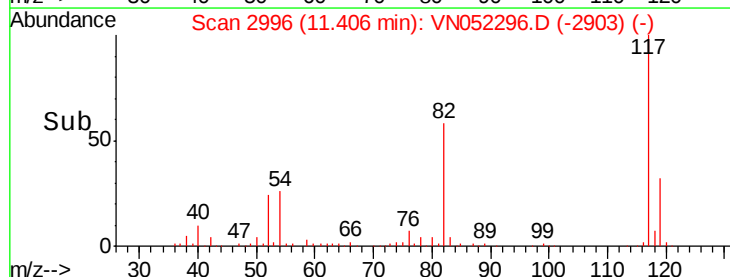
200000

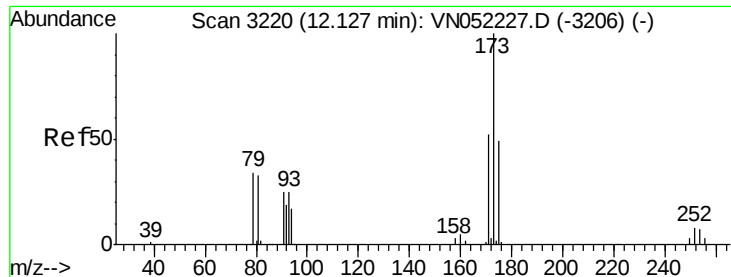
100000

0

11.30 11.40 11.50

Time-->





#71

Bromoform

Concen: 0.612 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

ClientSampled :

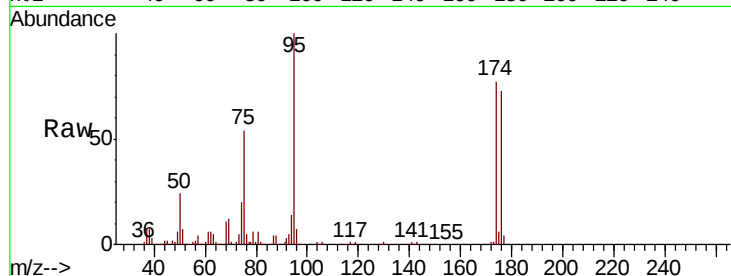
Tot Ion:173 Resp: 1145

Ion Ratio Lower Upper

173 100

175 867.7 24.5 73.5#

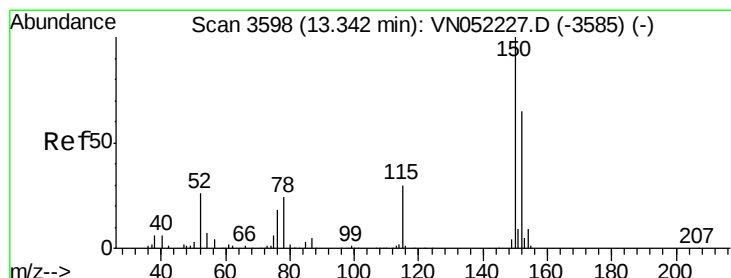
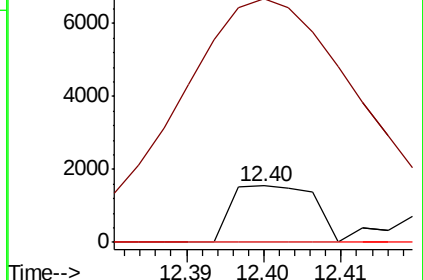
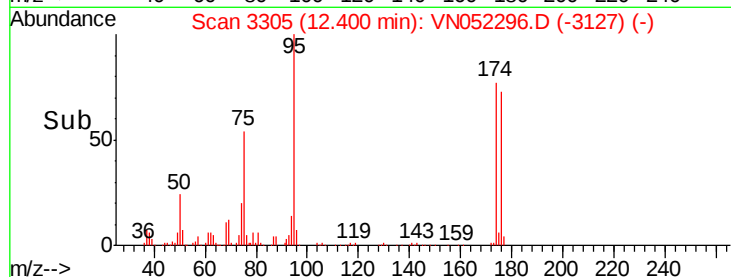
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

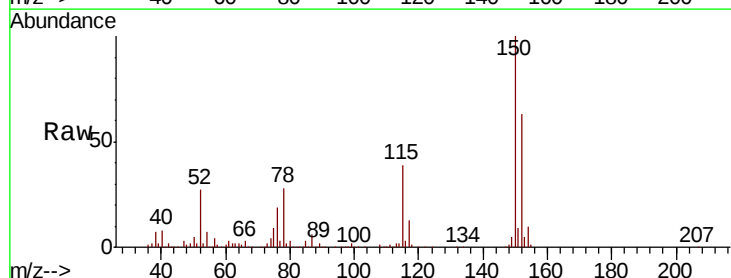
Tgt Ion:152 Resp: 153565

Ion Ratio Lower Upper

152 100

115 61.1 29.8 89.5

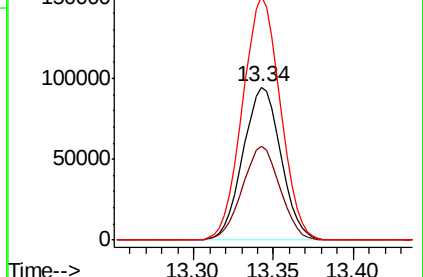
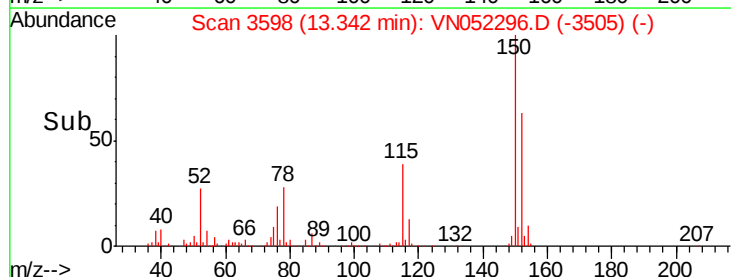
150 158.5 0.0 350.2

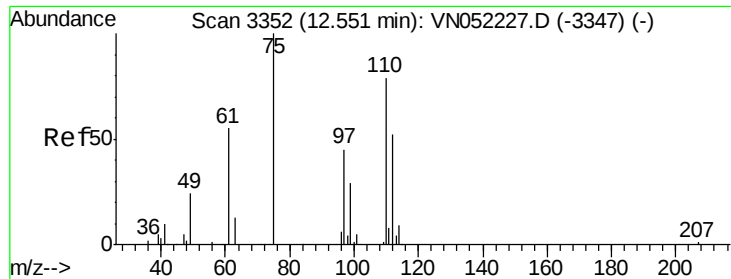


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 38.091 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

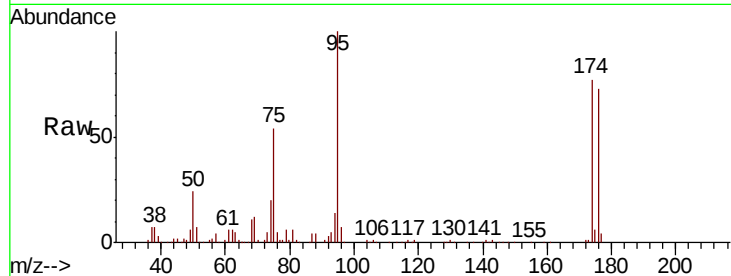
ClientSampled :

Tot Ion: 75 Resp: 103491

Ion Ratio Lower Upper

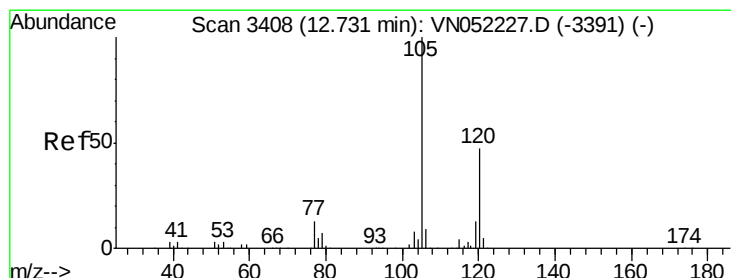
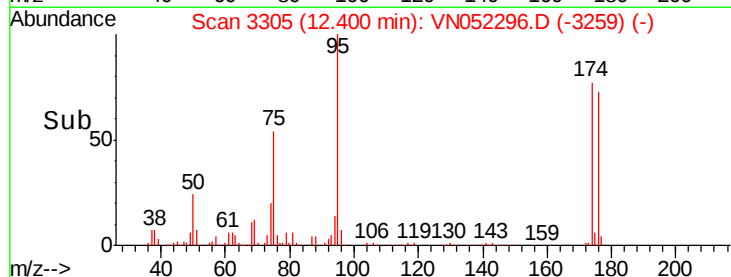
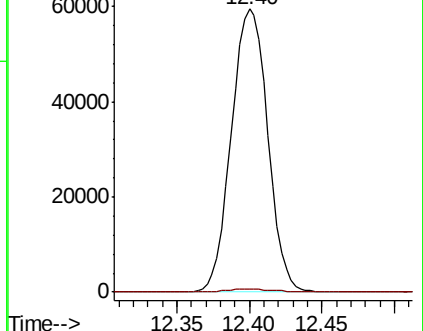
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052227.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052227.D (-3347) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.241 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052296.D

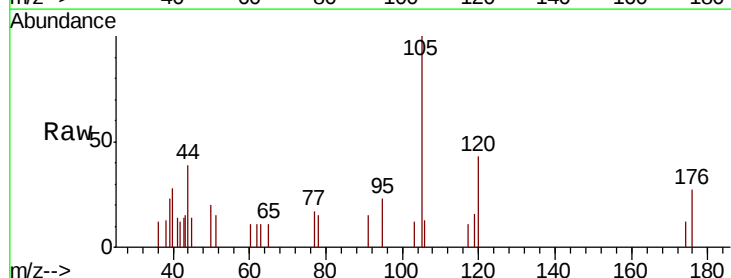
Acq: 13 Nov 2018 19:30

Tgt Ion: 105 Resp: 2401

Ion Ratio Lower Upper

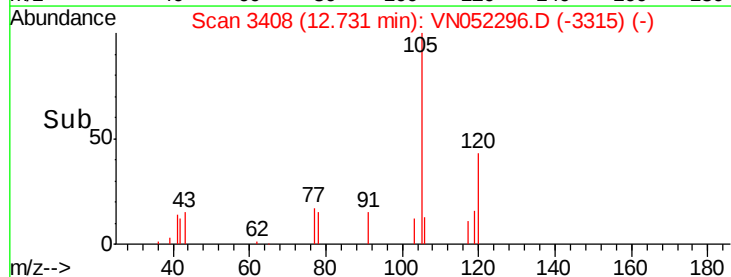
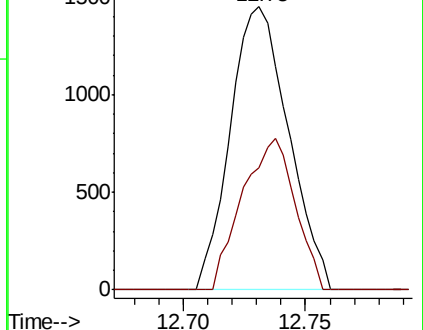
105 100

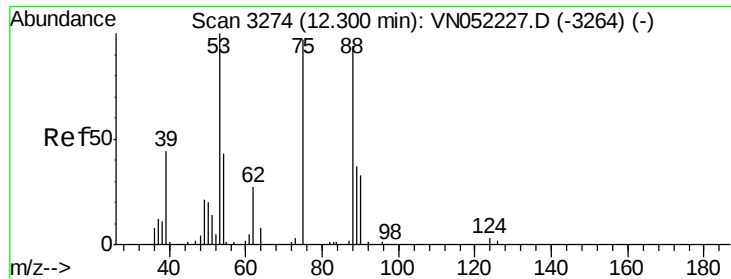
120 48.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): VN052227.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052227.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 130.020 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052296.D

Acq: 13 Nov 2018 19:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 103491

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 33.7 50.5#

