

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052076.D
 Acq On : 31 Oct 2018 16:18
 Operator : MD\SY
 Sample : PB114328ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:42:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

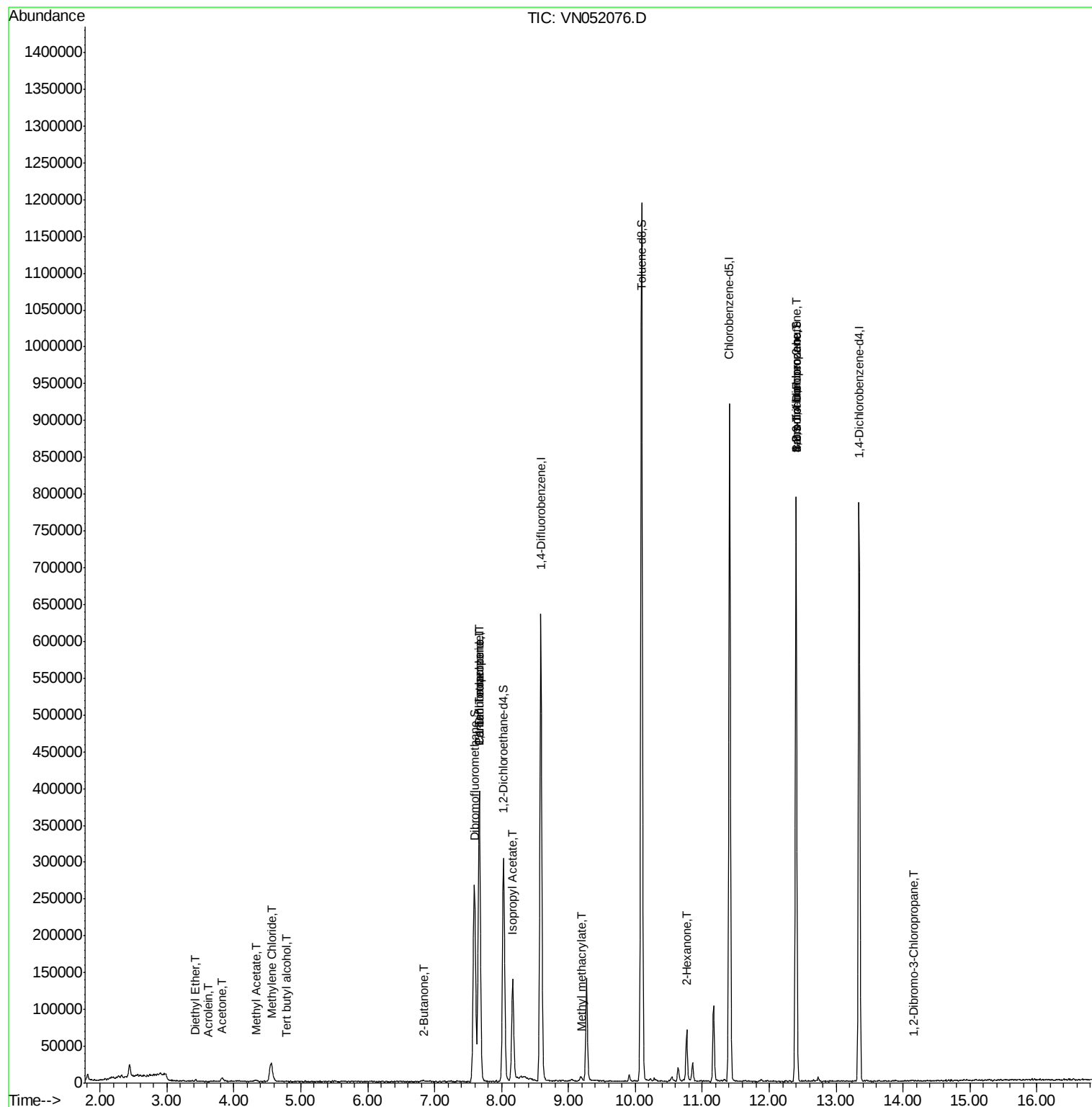
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	295238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	545963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196011	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	250383	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
35) Dibromofluoromethane	7.59	113	206713	60.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.04%	
50) Toluene-d8	10.09	98	815134	59.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.42%	
62) 4-Bromofluorobenzene	12.40	95	273276	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.42	74	464	0.224	ug/l	76
11) Tert butyl alcohol	4.80	59	127	0.535	ug/l #	54
13) Acrolein	3.60	56	159	24.640	ug/l #	12
16) Acetone	3.82	43	6016	5.949	ug/l #	83
18) Methyl Acetate	4.33	43	2838	0.882	ug/l	95
20) Methylene Chloride	4.56	84	18009	4.674	ug/l #	81
25) 2-Butanone	6.83	43	516	0.325	ug/l #	50
31) Cyclohexane	7.67	56	7356	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	26304	4.738	ug/l #	52
38) Carbon Tetrachloride	7.67	117	31306	6.540	ug/l #	16
43) Isopropyl Acetate	8.17	43	167458	25.339	ug/l	100
48) Methyl methacrylate	9.18	41	3938	1.175	ug/l #	18
59) 2-Hexanone	10.77	43	10699	4.180	ug/l #	56
71) Bromoform	12.39	173	314	2.317	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	144107	40.163	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	144107	133.307	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.16	75	31	0.971	ug/l #	11

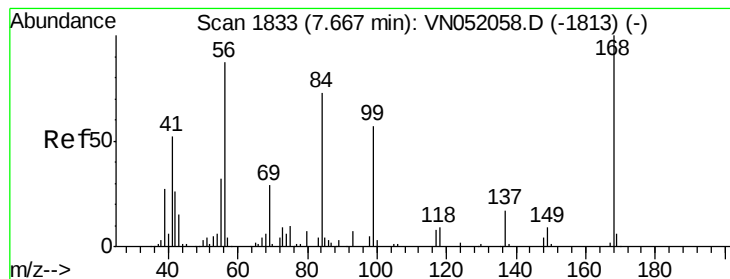
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 31 02:45:22 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

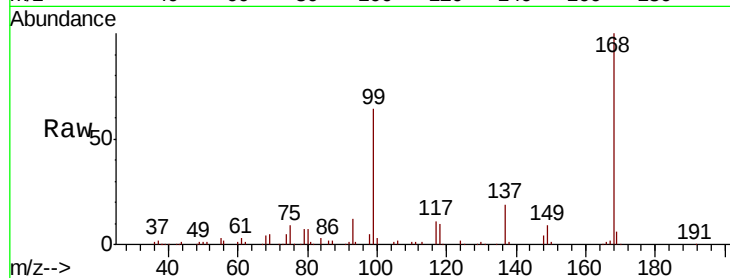
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 295238

Ion Ratio Lower Upper

168 100

99 63.6 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

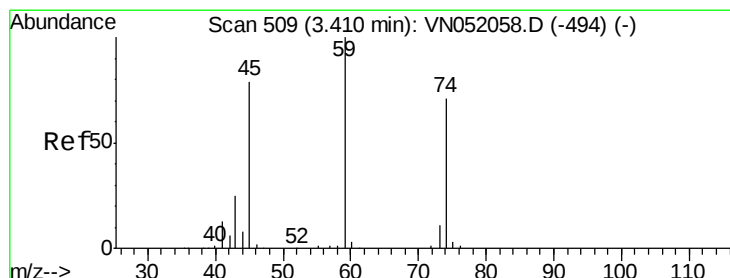
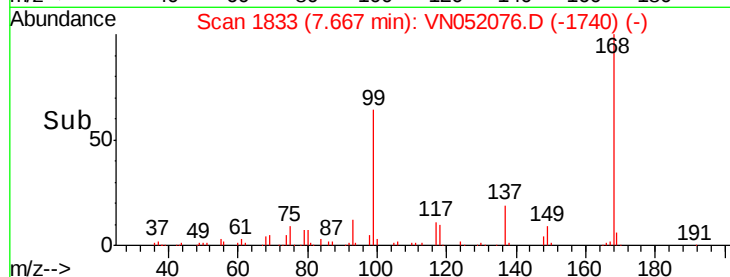
7.67

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.224 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN052076.D

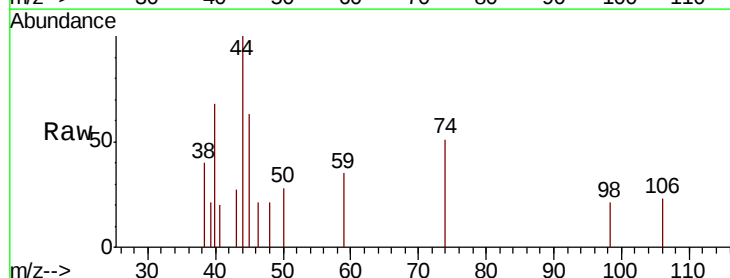
Acq: 31 Oct 2018 16:18

Tgt Ion: 74 Resp: 464

Ion Ratio Lower Upper

74 100

45 136.4 55.6 166.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

600

500

400

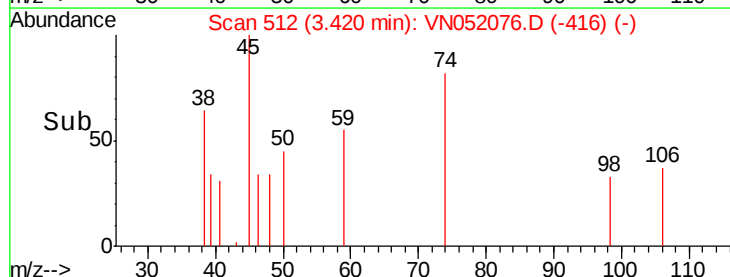
300

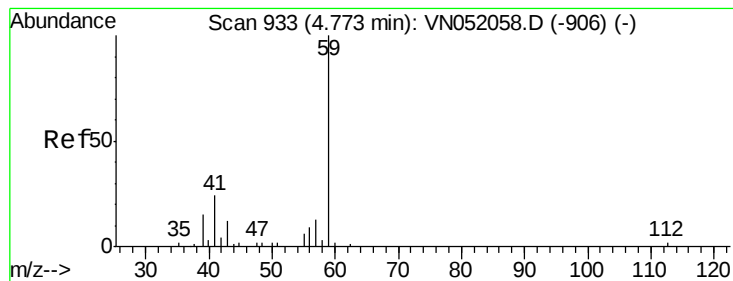
200

100

0

Time-->



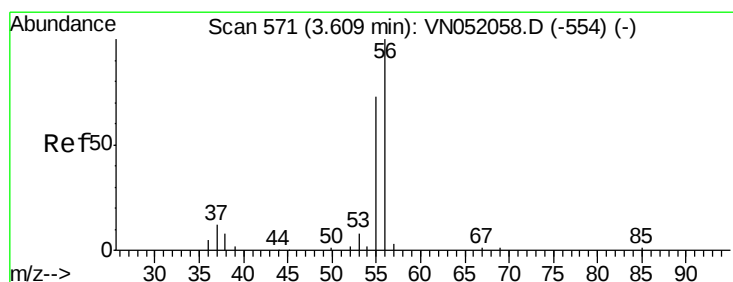
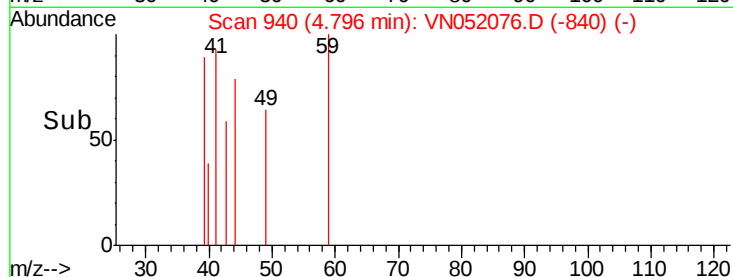
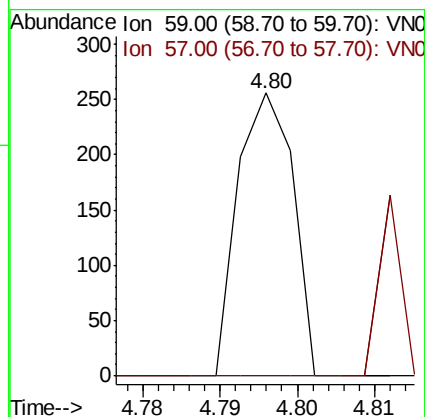
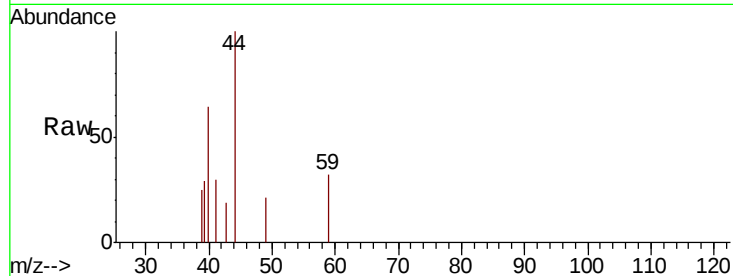


#11

Tert butyl alcohol
 Concen: 0.535 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.02 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Instrument :
 MSVOA_N
 ClientSampled :

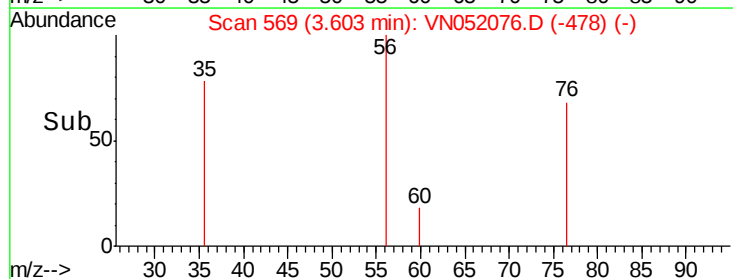
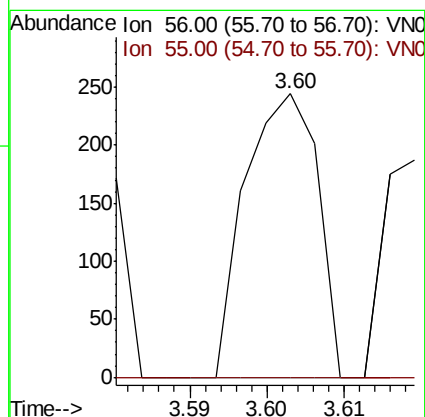
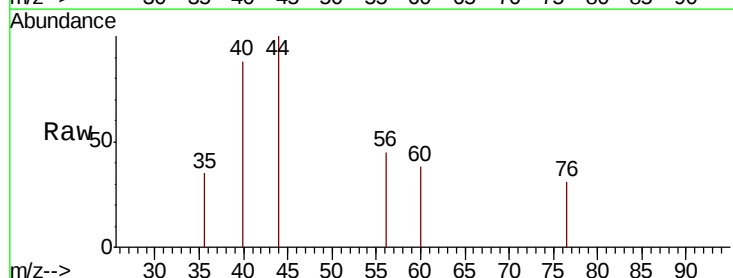
Tot Ion: 59 Resp: 127
 Ion Ratio Lower Upper
 59 100
 57 25.2 7.0 10.6#

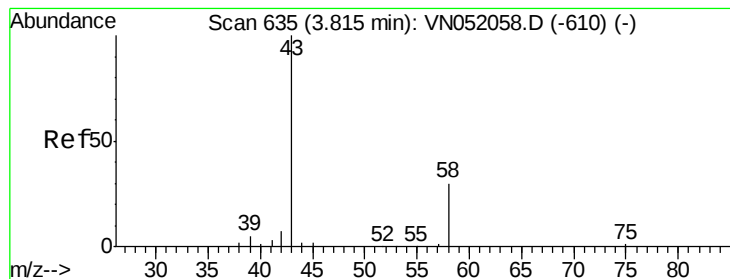


#13

Acrolein
 Concen: 24.640 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Tgt Ion: 56 Resp: 159
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.9 89.9#





#16

Acetone

Concen: 5.949 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :

MSVOA_N

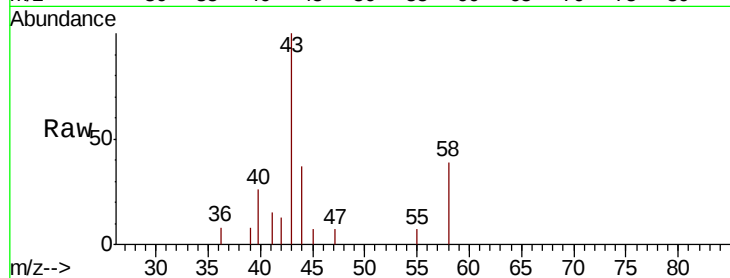
ClientSampleId :

Tot Ion: 43 Resp: 6016

Ion Ratio Lower Upper

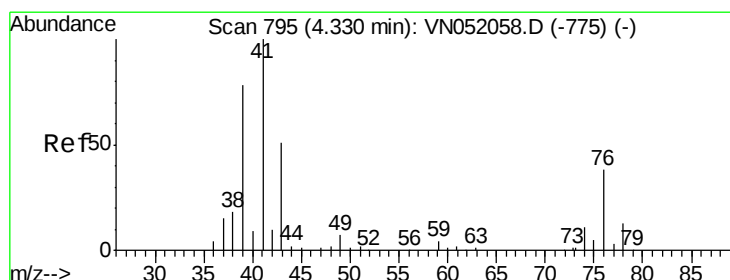
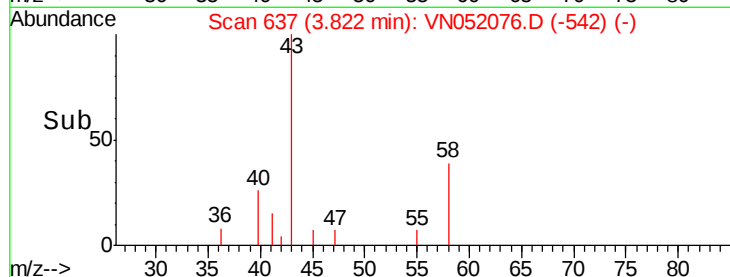
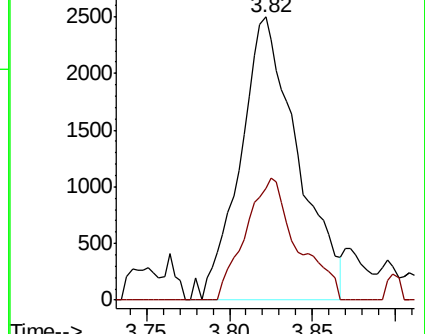
43 100

58 39.4 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)



#18

Methyl Acetate

Concen: 0.882 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052076.D

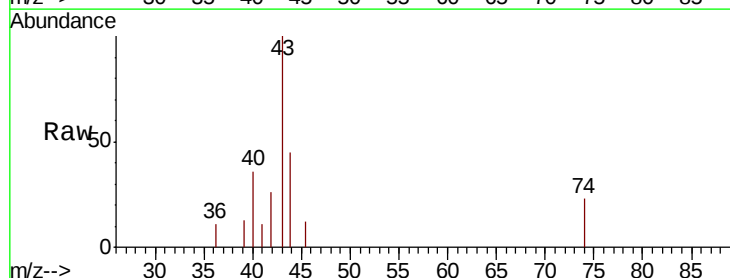
Acq: 31 Oct 2018 16:18

Tgt Ion: 43 Resp: 2838

Ion Ratio Lower Upper

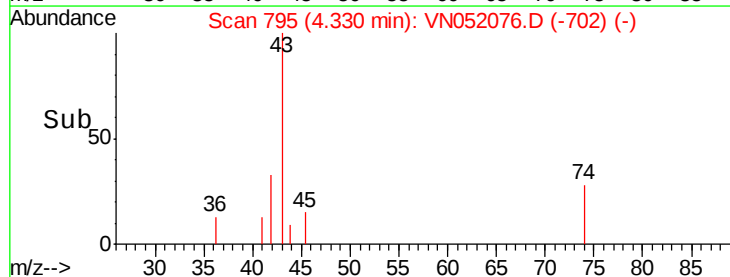
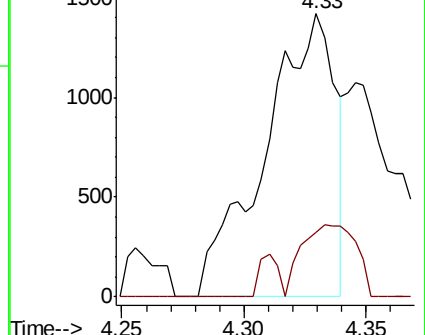
43 100

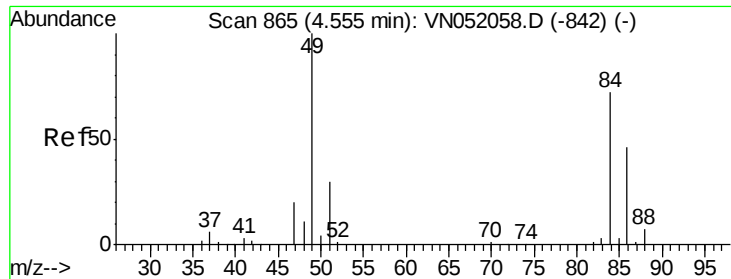
74 19.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-775) (-)

Ion 74.00 (73.70 to 74.70): VN052058.D (-775) (-)

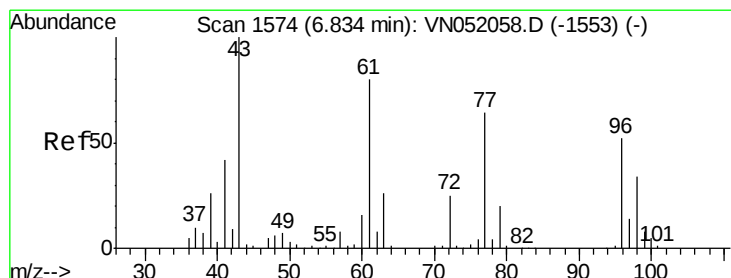
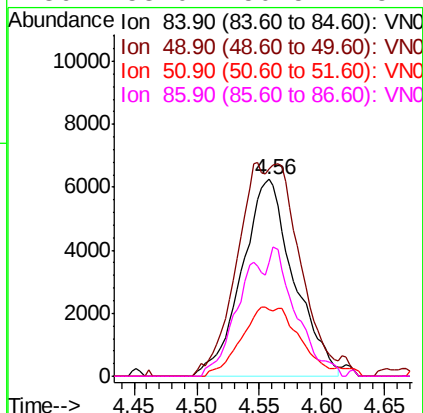
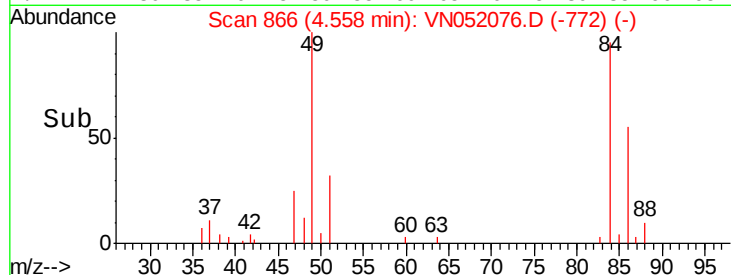
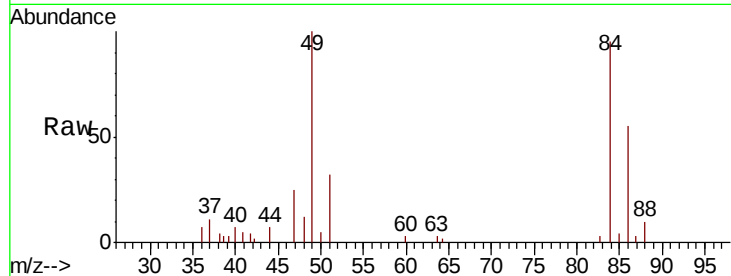




#20
Methvlene Chloride
Concen: 4.674 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052076.D
Acq: 31 Oct 2018 16:18

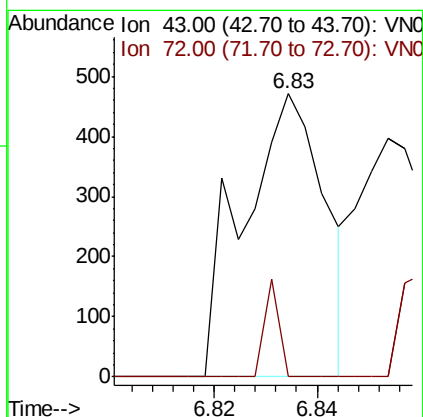
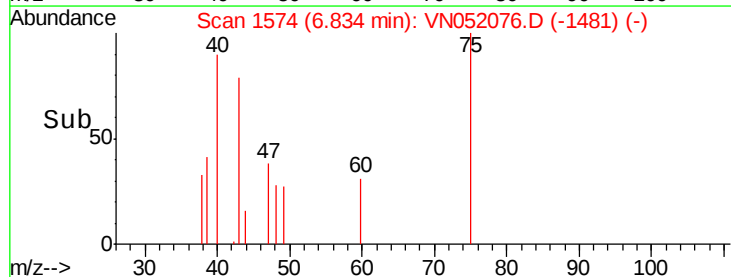
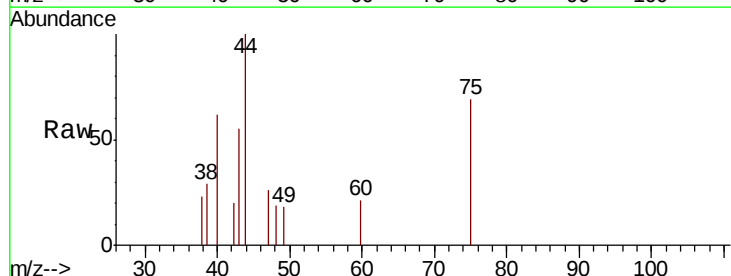
Instrument :
MSVOA_N
ClientSampled :

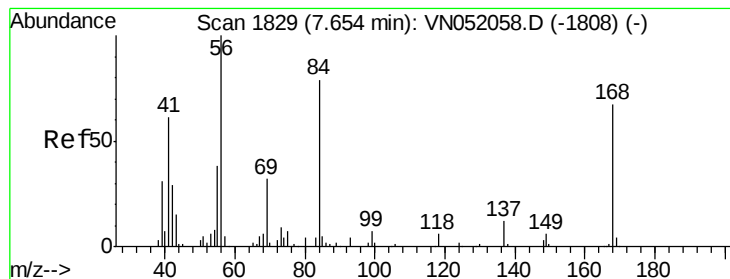
Tot Ion: 84 Resp: 18009
Ion Ratio Lower Upper
84 100
49 105.4 110.6 165.8#
51 33.7 33.7 50.5#
86 58.0 50.5 75.7



#25
2-Butanone
Concen: 0.325 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052076.D
Acq: 31 Oct 2018 16:18

Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :
MSVOA_N
ClientSampleId :

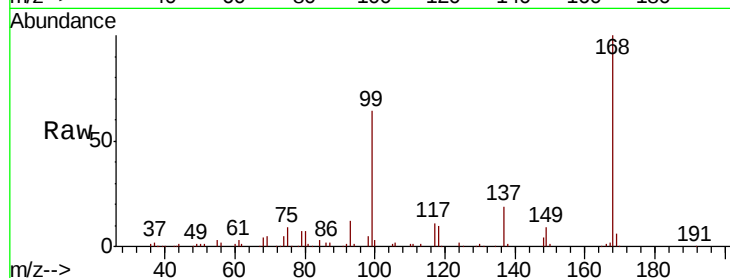
Tot Ion: 56 Resp: 7356

Ion Ratio Lower Upper

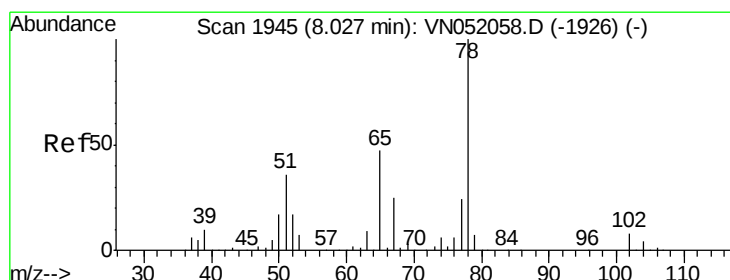
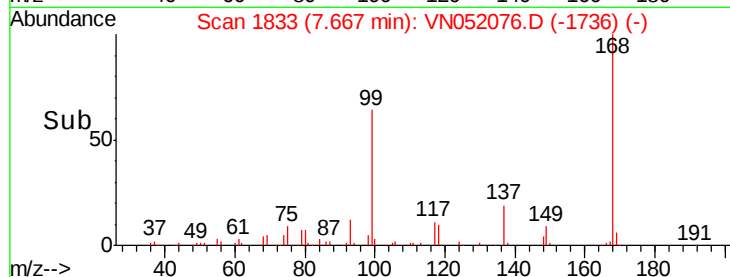
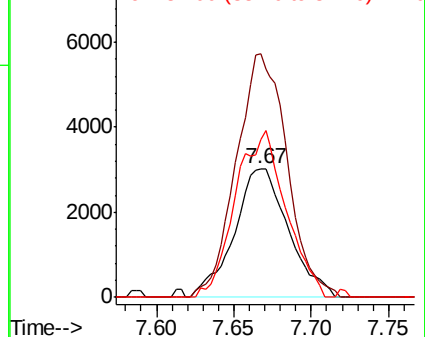
56 100

69 189.6 25.8 38.6#

84 122.5 63.5 95.3#



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052076.D

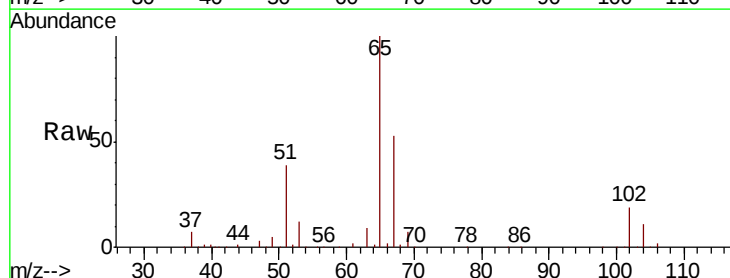
Acq: 31 Oct 2018 16:18

Tgt Ion: 65 Resp: 250383

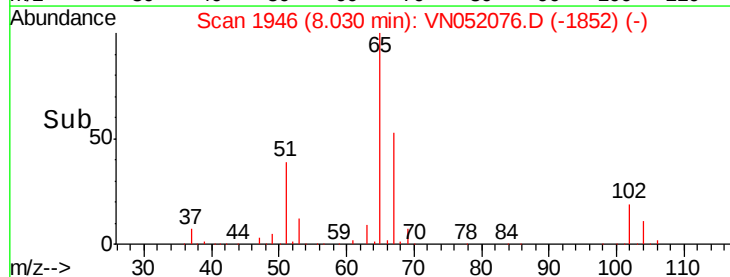
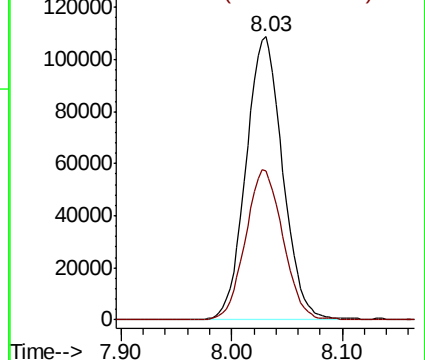
Ion Ratio Lower Upper

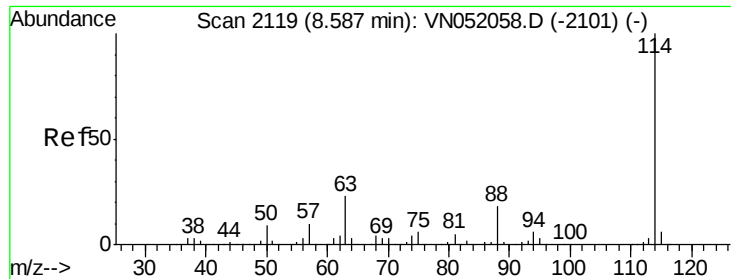
65 100

67 54.2 0.0 105.2



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

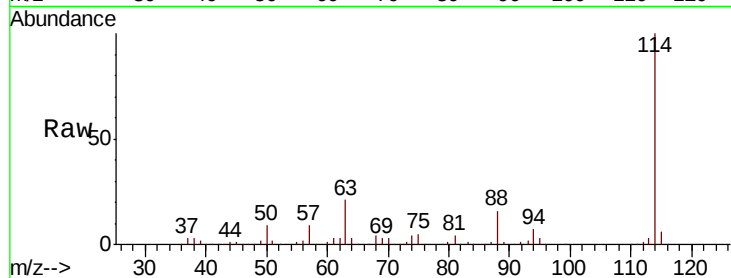




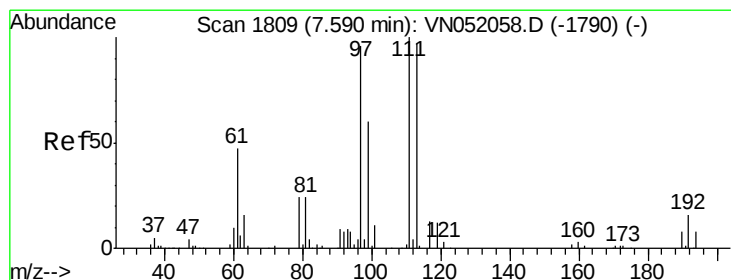
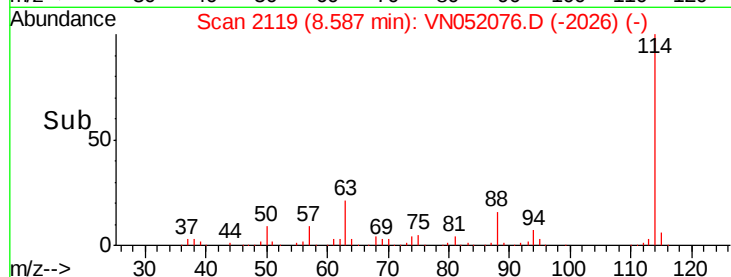
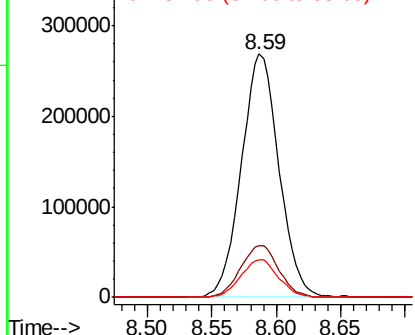
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 545963
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 46.0
 88 15.6 0.0 35.4

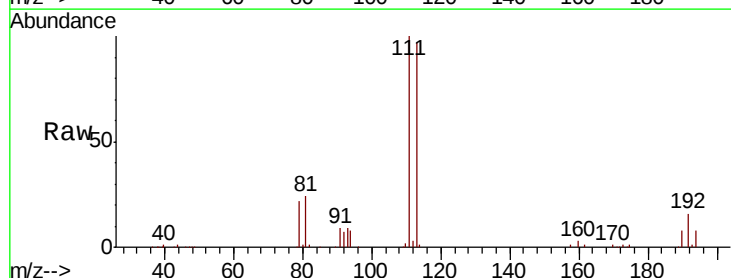


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

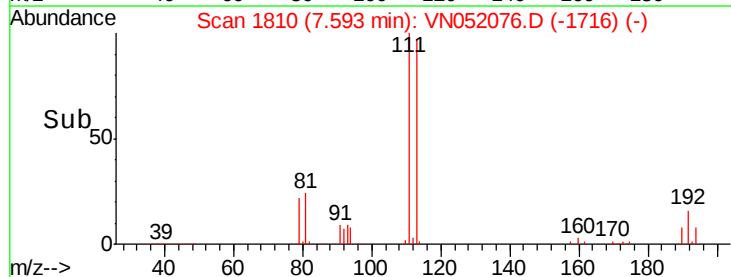
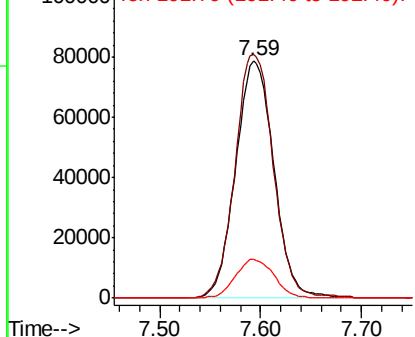


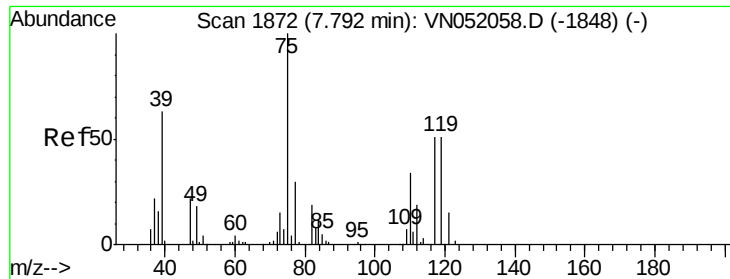
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Tgt Ion:113 Resp: 206713
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.1 124.7
 192 16.6 12.7 19.1



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

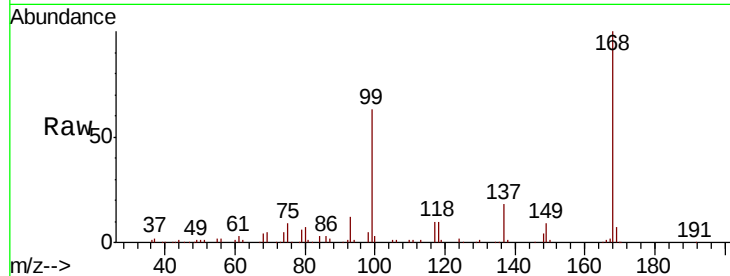




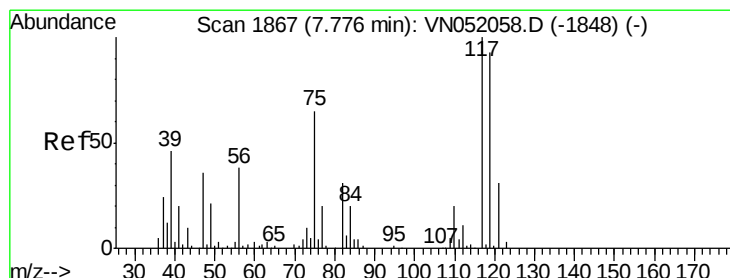
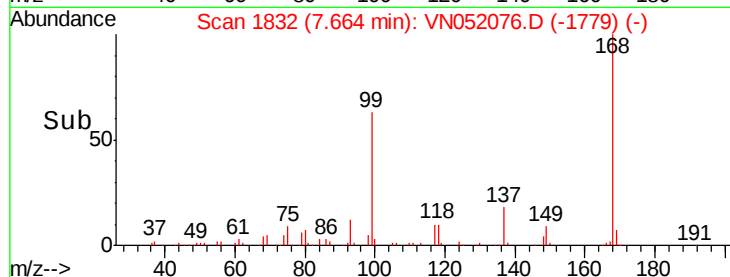
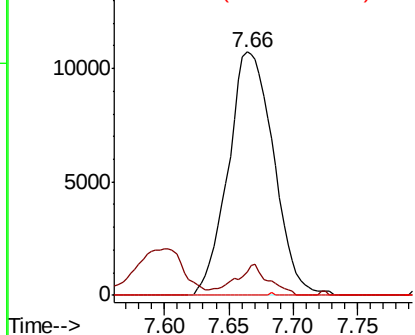
#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 26304
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.0 48.0#
 77 0.1 24.5 36.7#

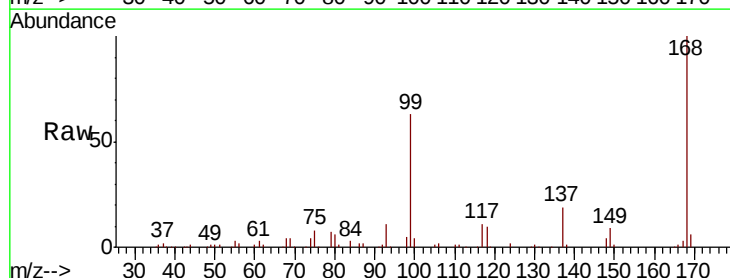


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

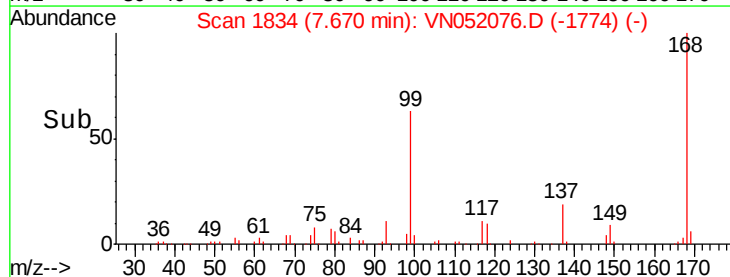
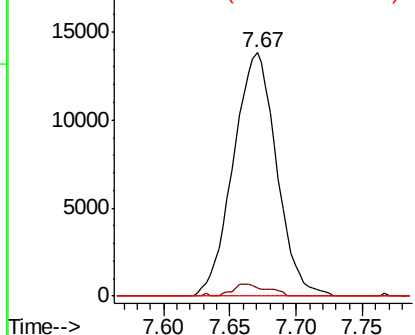


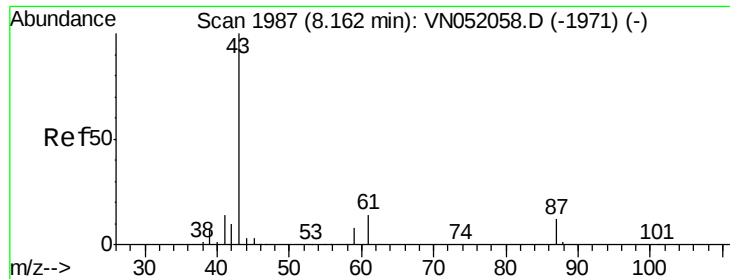
#38
 Carbon Tetrachloride
 Concen: 6.540 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Tgt Ion: 117 Resp: 31306
 Ion Ratio Lower Upper
 117 100
 119 3.6 74.8 112.2#
 121 0.0 25.1 37.7#



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



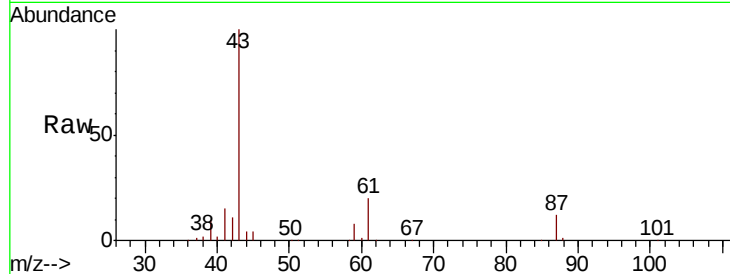


#43

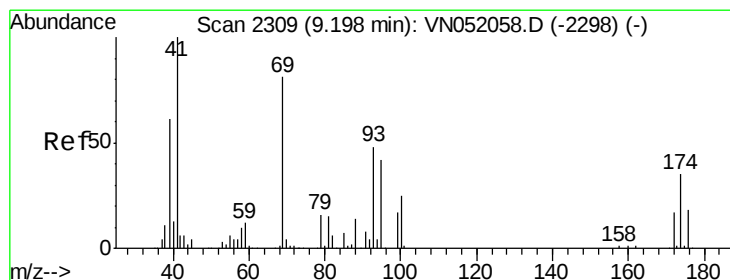
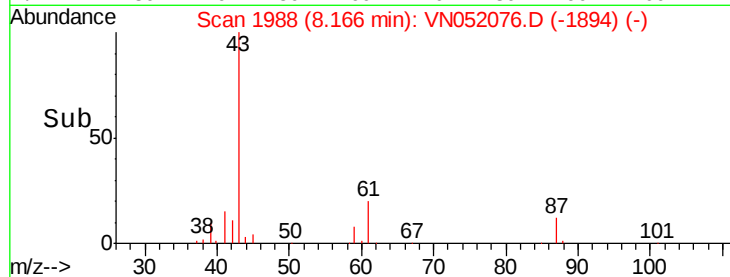
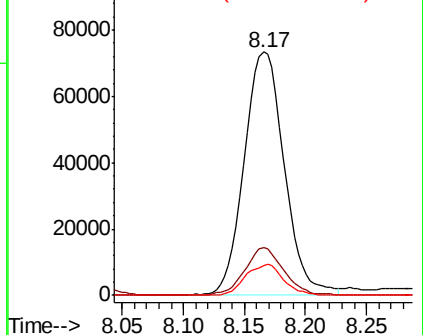
Isopropyl Acetate
 Concen: 25.339 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 167458
 Ion Ratio Lower Upper
 43 100
 61 19.1 15.4 23.0
 87 12.0 9.8 14.8



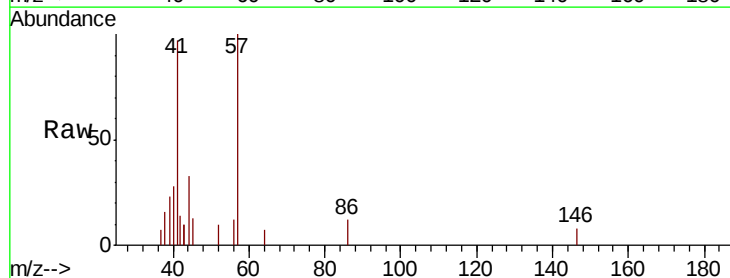
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



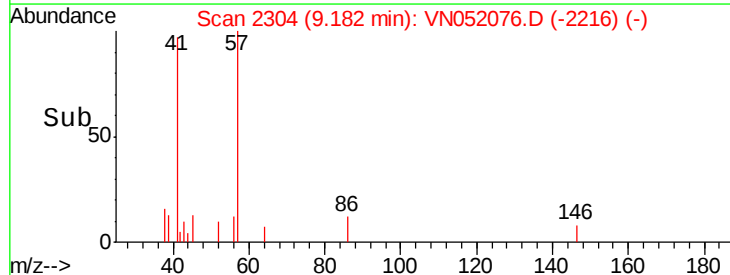
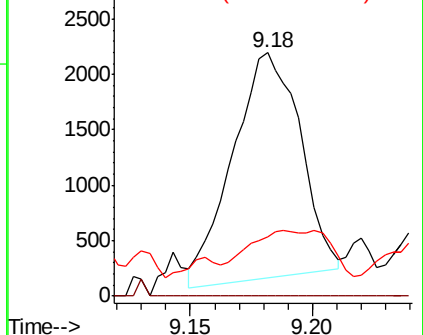
#48

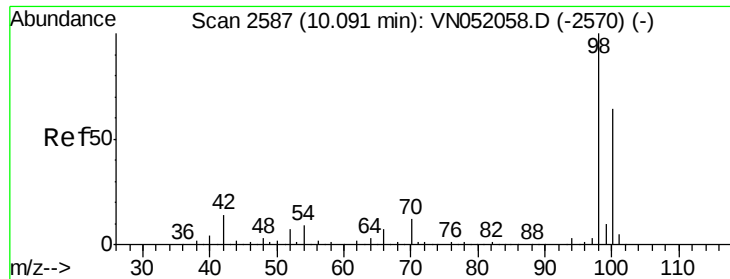
Methyl methacrylate
 Concen: 1.175 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052076.D
 Acq: 31 Oct 2018 16:18

Tgt Ion: 41 Resp: 3938
 Ion Ratio Lower Upper
 41 100
 69 0.0 67.1 100.7#
 39 10.5 50.5 75.7#



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: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :

MSVOA_N

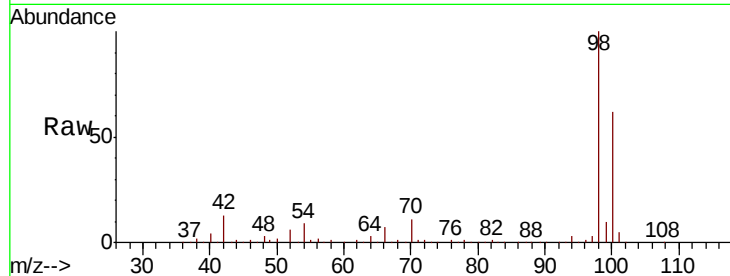
ClientSampled :

Tot Ion: 98 Resp: 815134

Ion Ratio Lower Upper

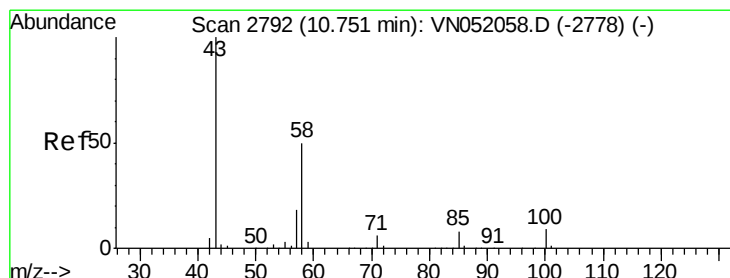
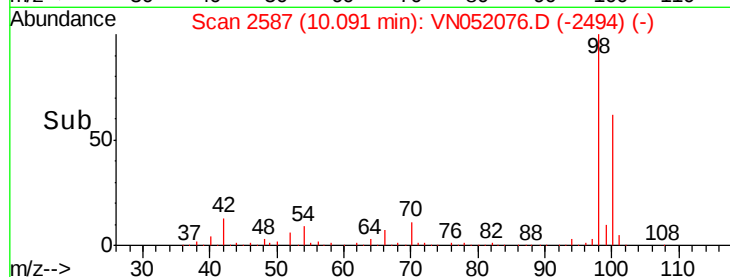
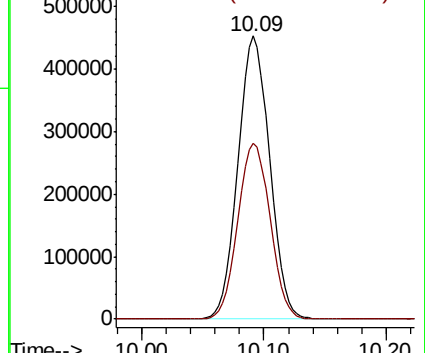
98 100

100 63.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 4.180 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.02 min

Lab File: VN052076.D

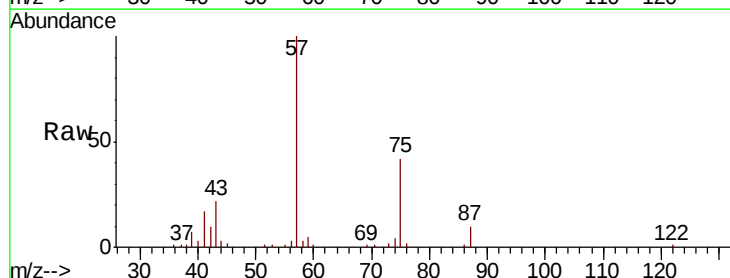
Acq: 31 Oct 2018 16:18

Tgt Ion: 43 Resp: 10699

Ion Ratio Lower Upper

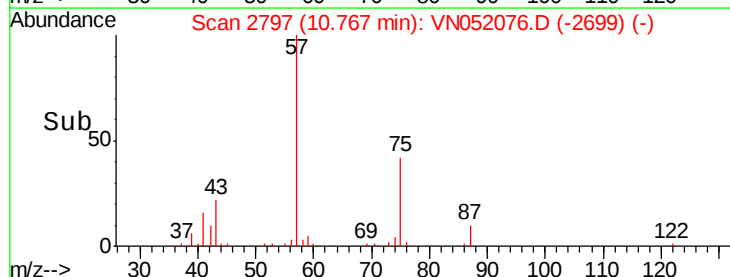
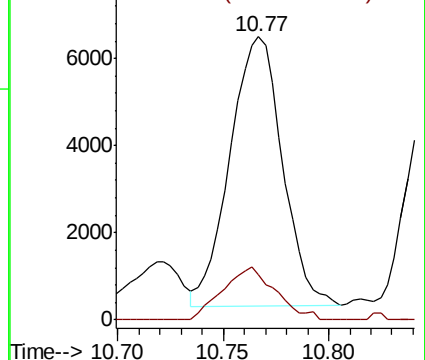
43 100

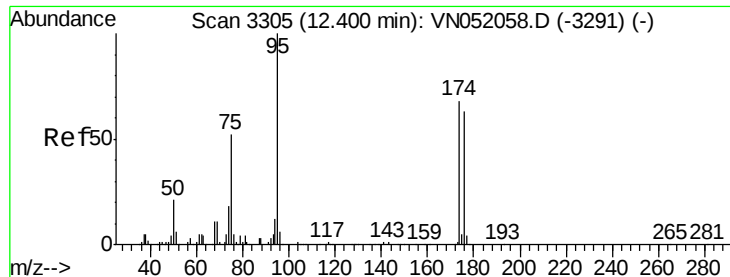
58 19.6 25.2 75.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

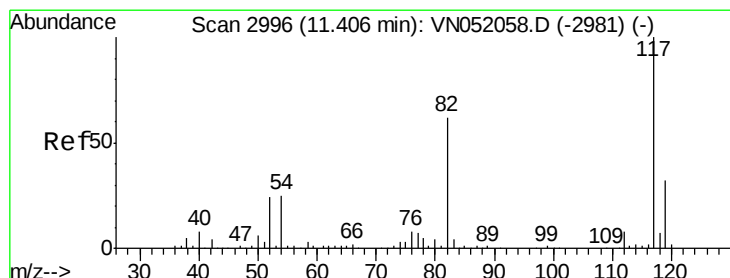
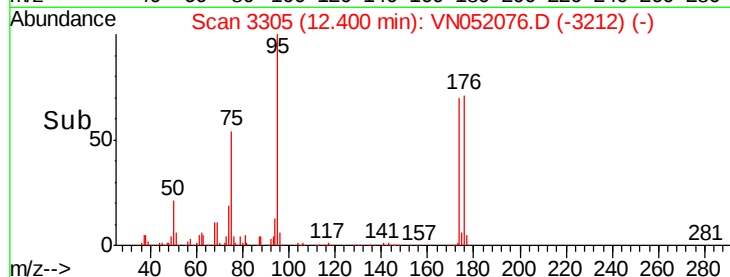
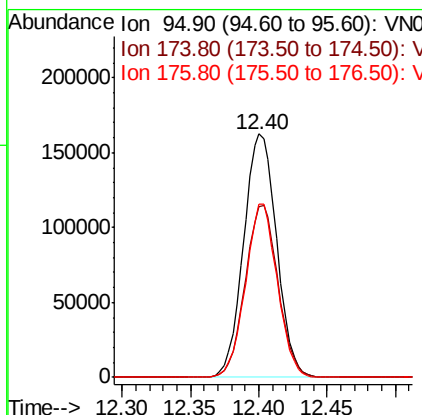
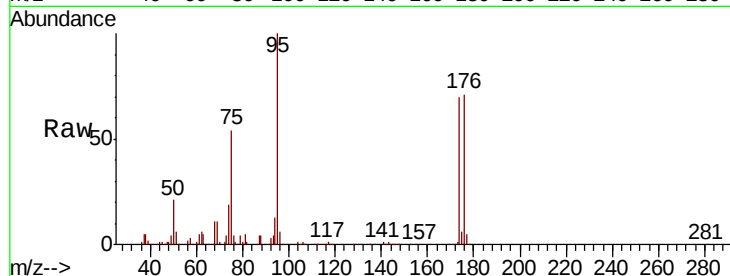




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052076.D
Acq: 31 Oct 2018 16:18

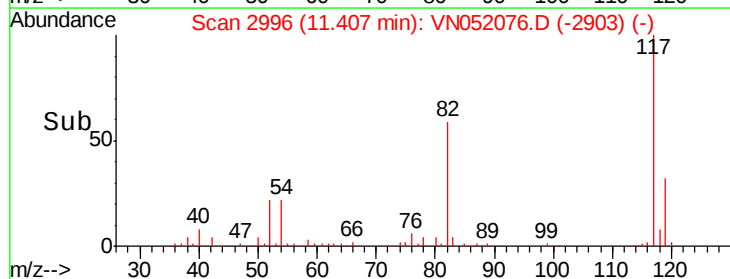
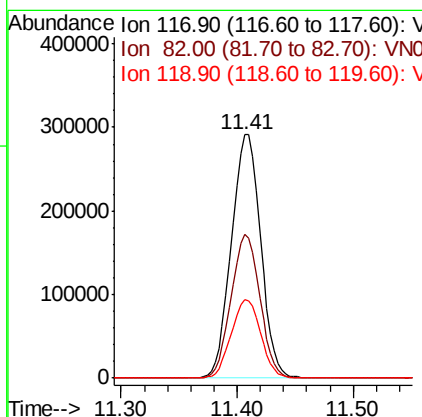
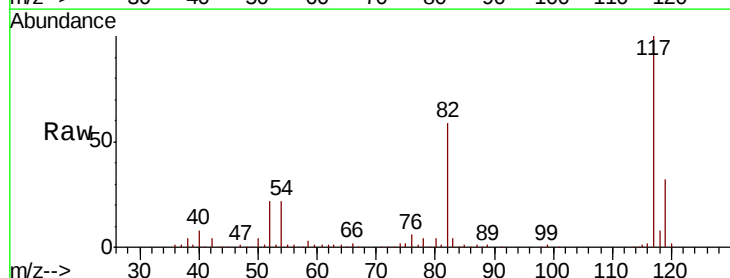
Instrument :
MSVOA_N
ClientSampleId :

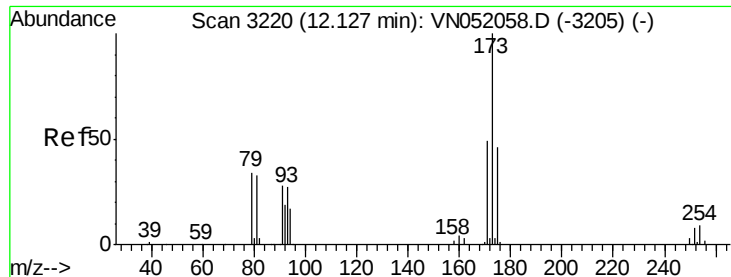
Tot Ion: 95 Resp: 273276
Ion Ratio Lower Upper
95 100
174 70.3 0.0 131.8
176 68.5 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052076.D
Acq: 31 Oct 2018 16:18

Tgt Ion: 117 Resp: 508793
Ion Ratio Lower Upper
117 100
82 58.9 49.9 74.9
119 32.2 25.7 38.5





#71

Bromoform

Concen: 2.317 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :

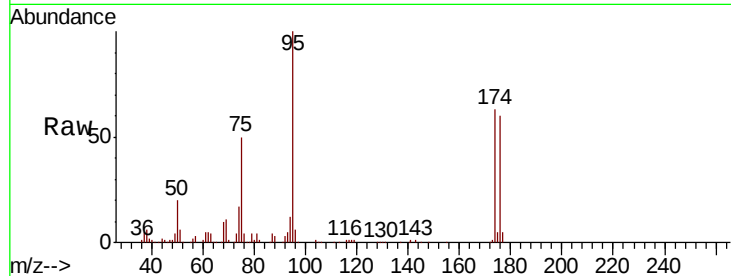
Tot Ion:173 Resp: 314

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

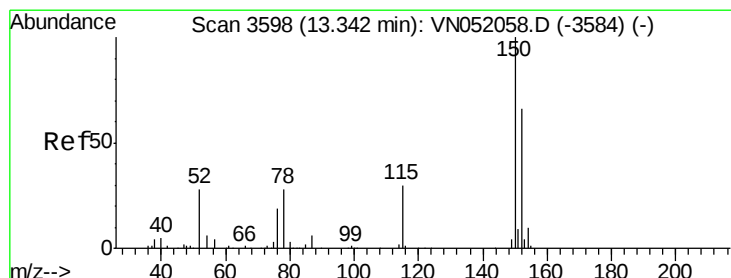
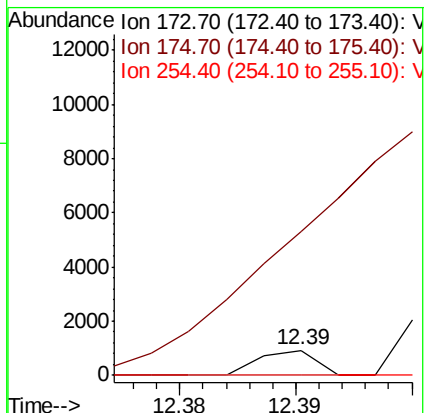
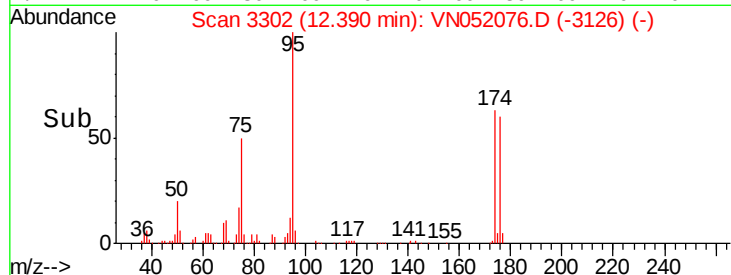
254 0.0 0.0 0.0



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: VN052076.D

Acq: 31 Oct 2018 16:18

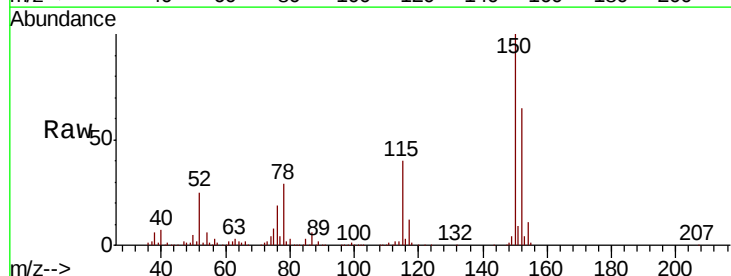
Tgt Ion:152 Resp: 196011

Ion Ratio Lower Upper

152 100

115 62.2 31.6 95.0

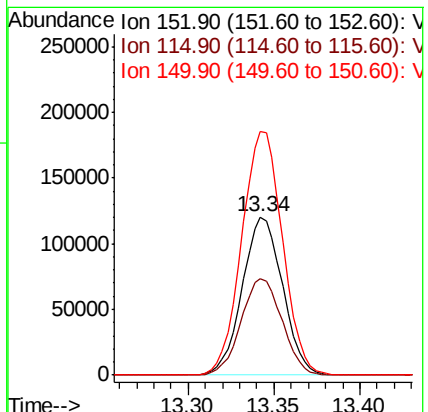
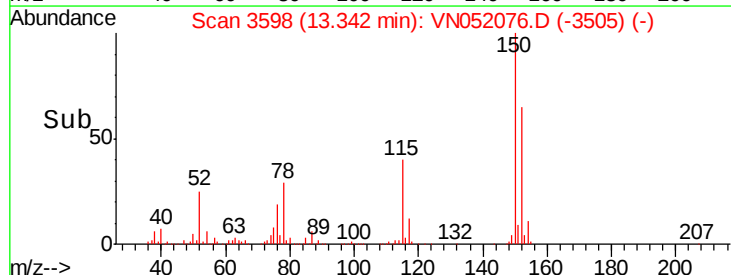
150 155.8 0.0 345.0

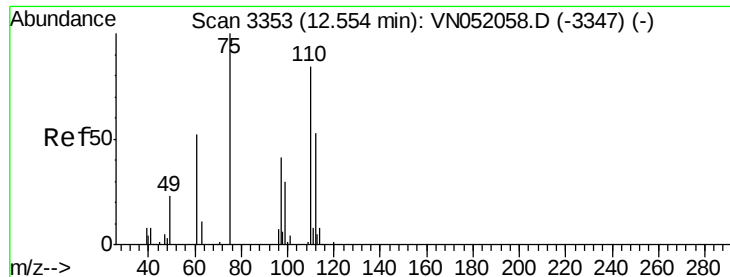


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.163 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :

MSVOA_N

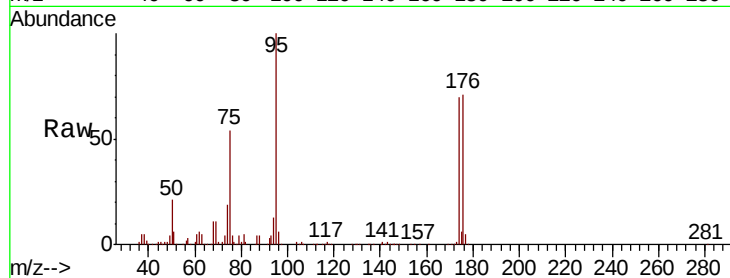
ClientSampleId :

Tot Ion: 75 Resp: 144107

Ion Ratio Lower Upper

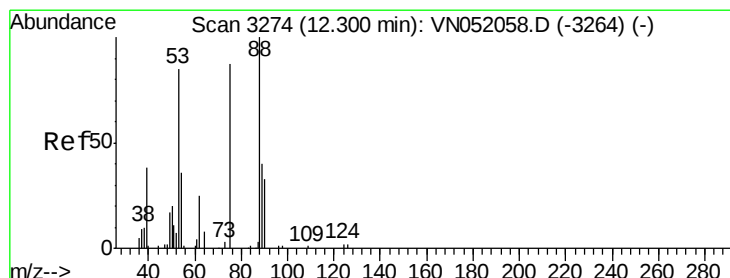
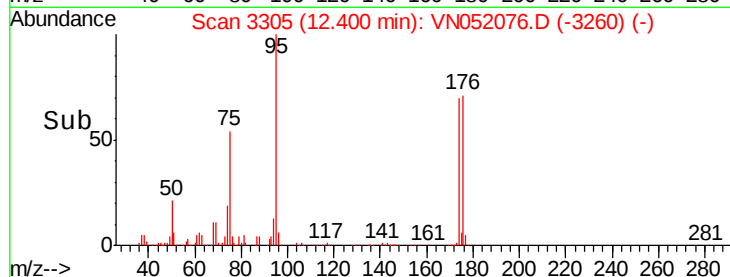
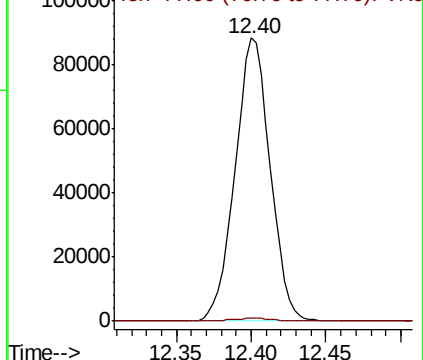
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 133.307 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

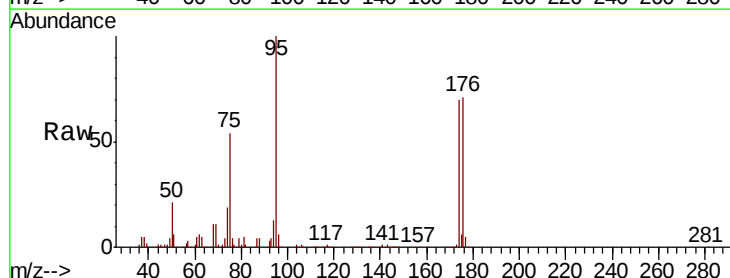
Tgt Ion: 75 Resp: 144107

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

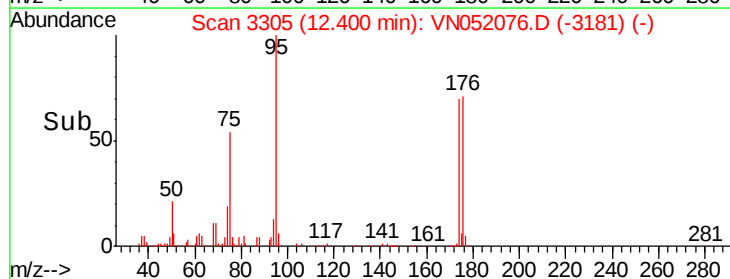
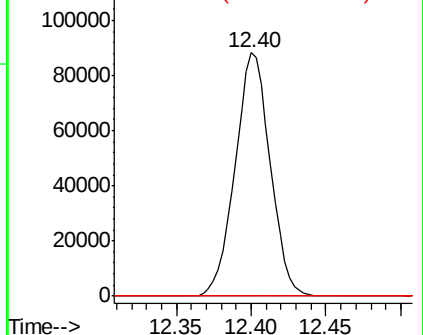
89 0.0 36.6 54.8#

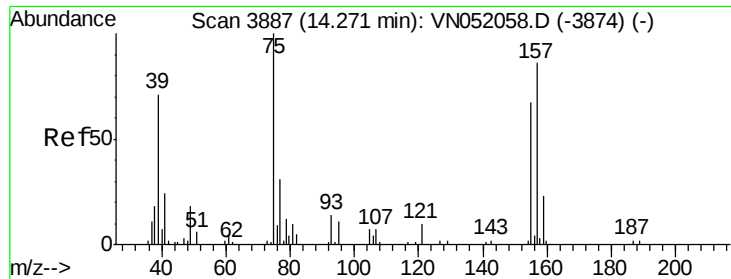


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.971 ug/l

RT: 14.16 min Scan# 3851

Delta R.T. -0.12 min

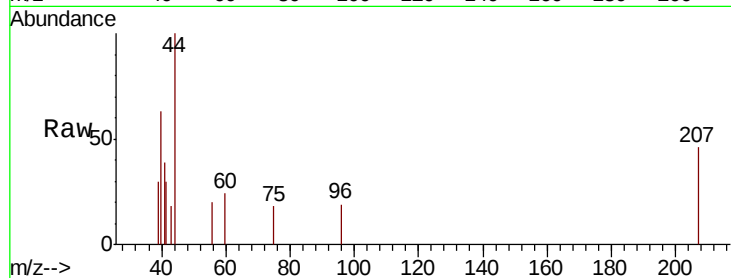
Lab File: VN052076.D

Acq: 31 Oct 2018 16:18

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	75	Resp:	31
Ion Ratio	Lower	Upper	
75	100		
155	0.0	34.0	102.0#
157	0.0	42.1	126.4#

