

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN053003.D
 Acq On : 19 Dec 2018 11:43
 Operator : MD\SY
 Sample : J6379-09ME
 Misc : 4.51g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 20 05:18:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1205857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1825875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1617158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	651197	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	572046	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
35) Dibromofluoromethane	7.59	113	439224	52.66	ug/l	0.00
Spiked Amount			Recovery	=	105.32%	
50) Toluene-d8	10.09	98	2236587	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	706751	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

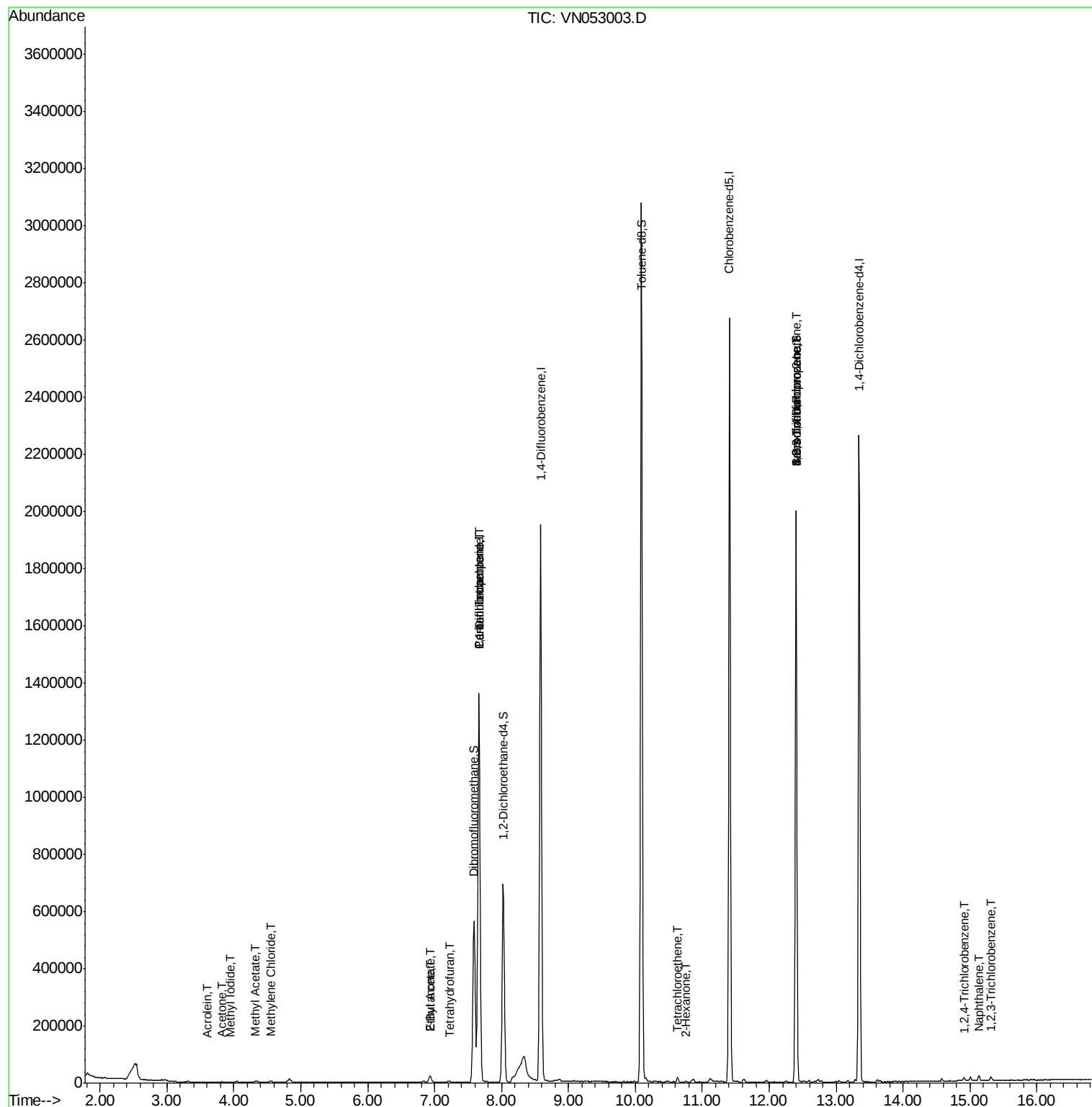
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	3426	0.205	ug/l #	86
13) Acrolein	3.60	56	460	0.679	ug/l #	62
16) Acetone	3.82	43	2529	1.054	ug/l	89
18) Methyl Acetate	4.32	43	4836	1.427	ug/l #	54
20) Methylene Chloride	4.55	84	3612	0.276	ug/l	93
25) 2-Butanone	6.93	43	37970	9.430	ug/l #	49
29) Tetrahydrofuran	7.22	42	2445	0.813	ug/l	99
31) Cyclohexane	7.66	56	20605	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	78052	4.454	ug/l #	48
37) Ethyl Acetate	6.93	43	37970	3.881	ug/l	97
38) Carbon Tetrachloride	7.66	117	103813	6.463	ug/l #	16
43) Isopropyl Acetate	8.18	43	14507	Below Cal	#	53
59) 2-Hexanone	10.76	43	1310	0.204	ug/l	96
64) Tetrachloroethene	10.63	164	4232	0.242	ug/l	81
71) Bromoform	12.40	173	4037	0.448	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	327593	29.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	327593	96.319	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4748	0.997	ug/l	94
94) Hexachlorobutadiene	15.01	225	1791	Below Cal		89
95) Naphthalene	15.13	128	16239	1.766	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	5480	1.023	ug/l	88

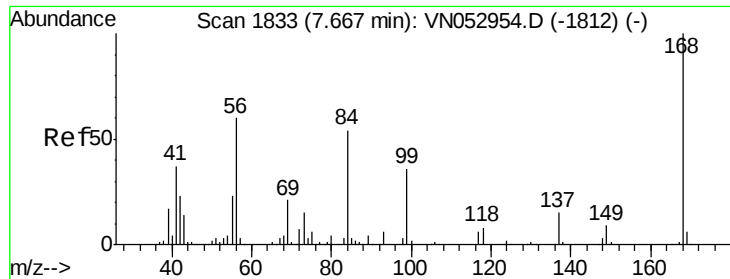
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_N

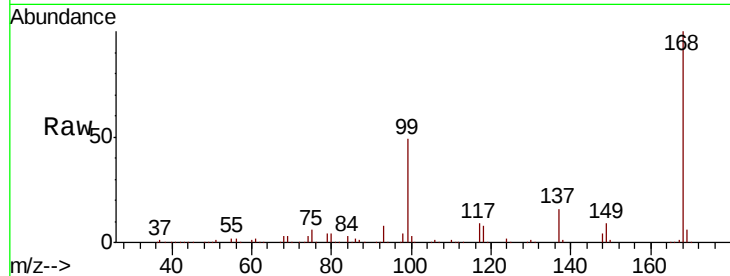
ClientSampleId :

Tot Ion:168 Resp: 1205857

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

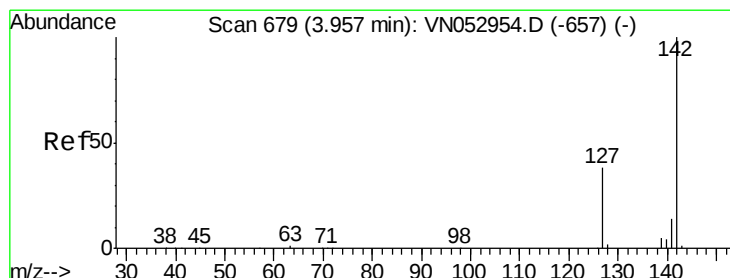
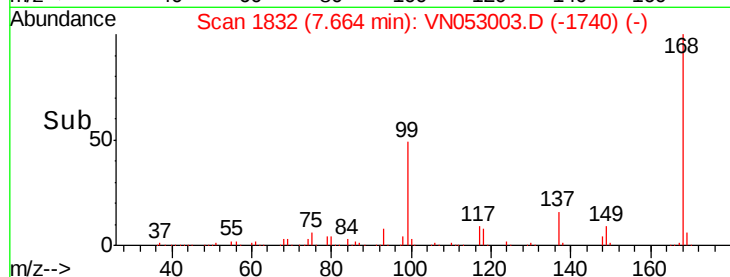
100000

0

7.66

7.60 7.70 7.80

Time-->



#10

Methyl Iodide

Concen: 0.205 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

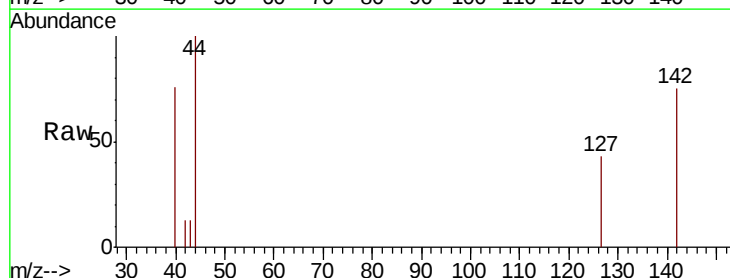
Tgt Ion:142 Resp: 3426

Ion Ratio Lower Upper

142 100

127 33.7 31.0 46.6

141 1.7 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1000

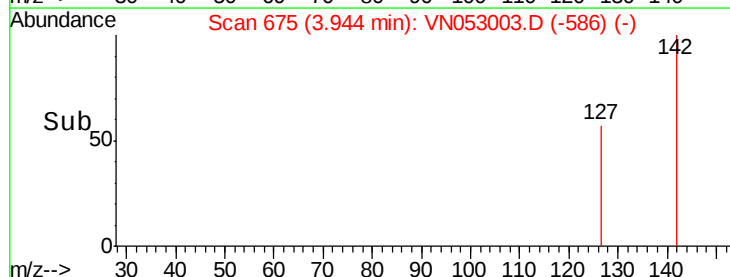
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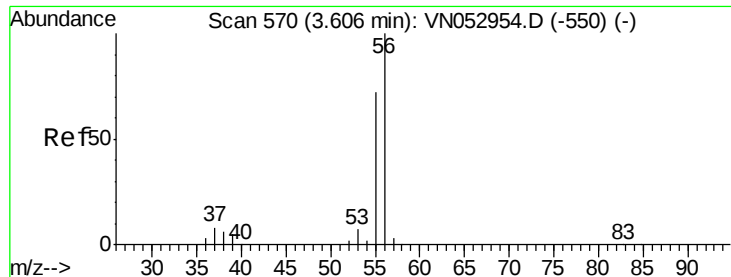
0

3.94

3.90 3.95 4.00

Time-->





#13

Acrolein

Concen: 0.679 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_N

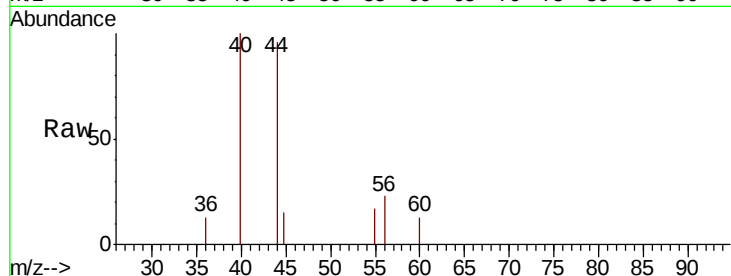
ClientSampled :

Tot Ion: 56 Resp: 460

Ion Ratio Lower Upper

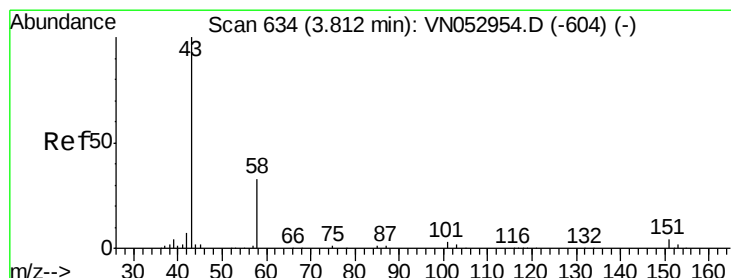
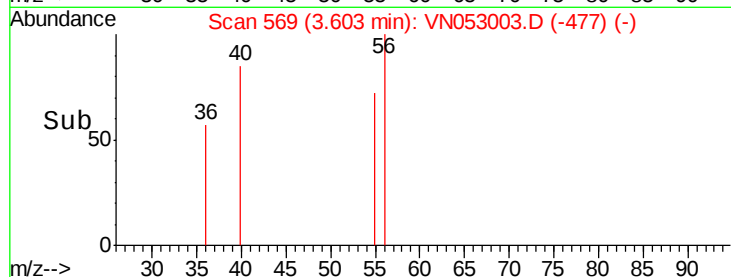
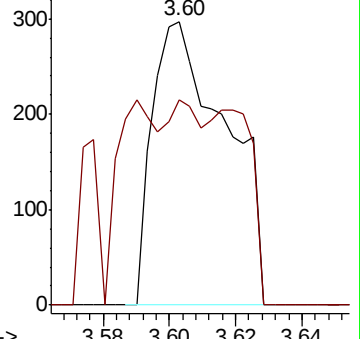
56 100

55 39.6 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.054 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053003.D

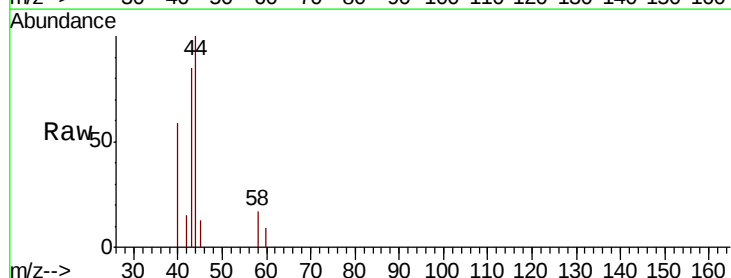
Acq: 19 Dec 2018 11:43

Tgt Ion: 43 Resp: 2529

Ion Ratio Lower Upper

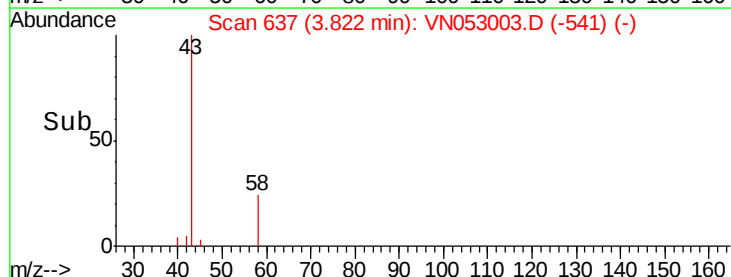
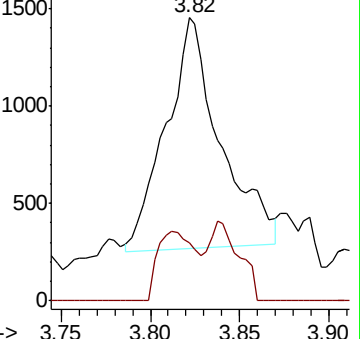
43 100

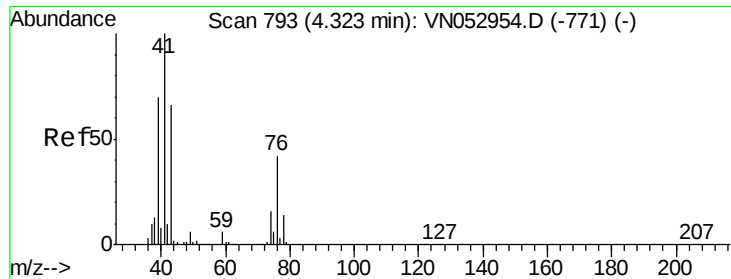
58 25.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

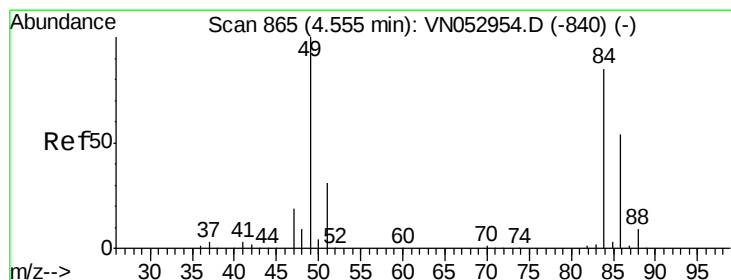
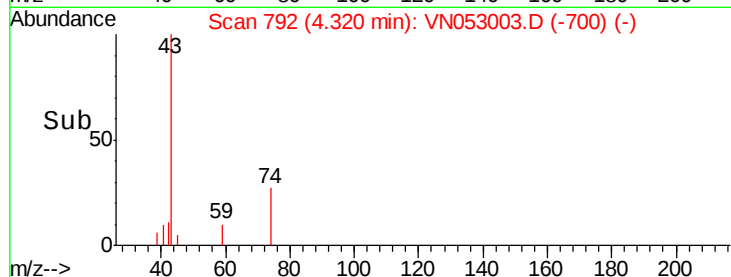
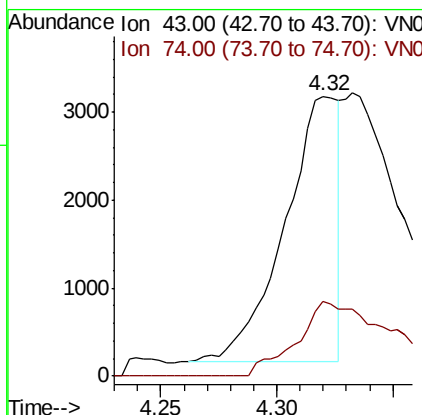
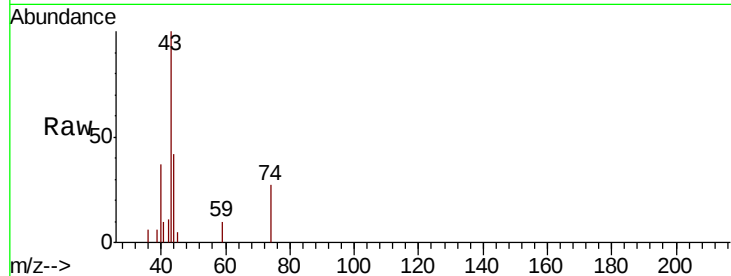




#18
Methyl Acetate
Concen: 1.427 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

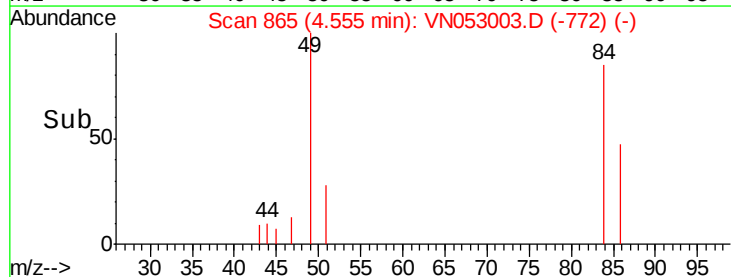
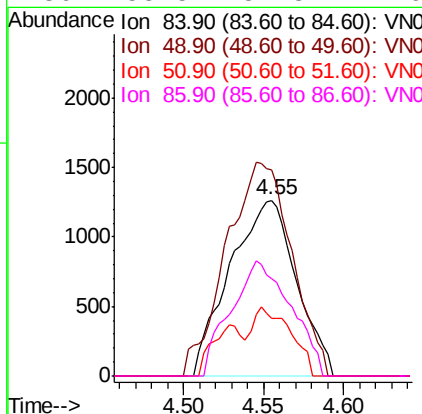
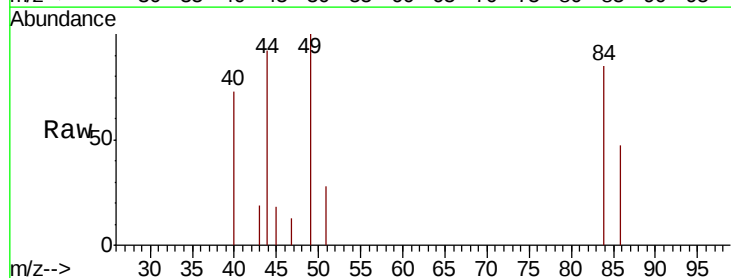
Instrument :
MSVOA_N
ClientSampled :

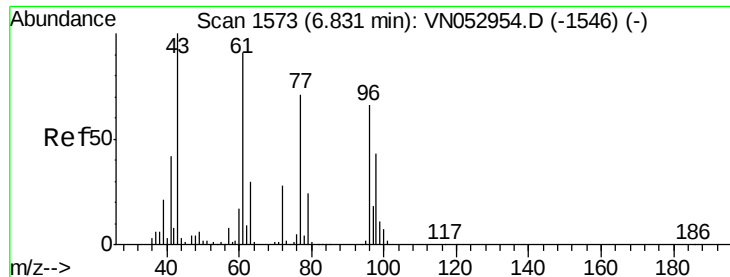
Tot Ion: 43 Resp: 4836
Ion Ratio Lower Upper
43 100
74 46.6 19.2 28.8#



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 84 Resp: 3612
Ion Ratio Lower Upper
84 100
49 117.3 96.8 145.2
51 32.4 29.9 44.9
86 55.5 51.8 77.6

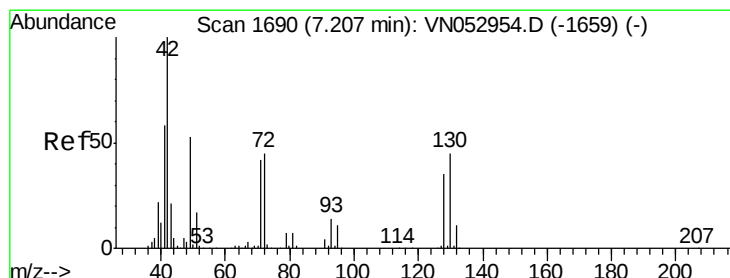
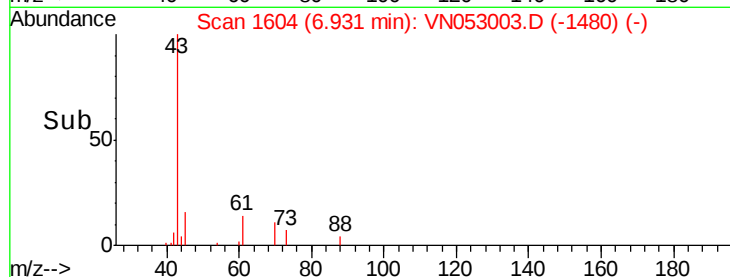
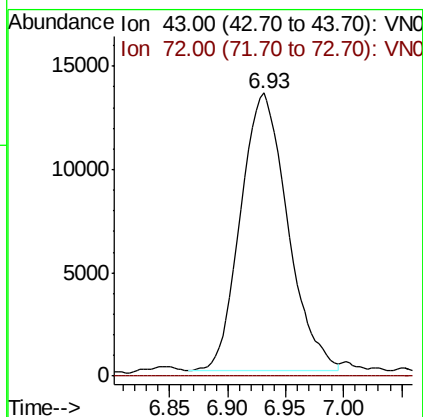
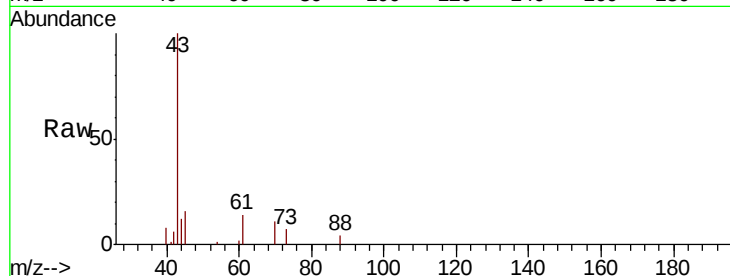




#25
2-Butanone
Concen: 9.430 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.10 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

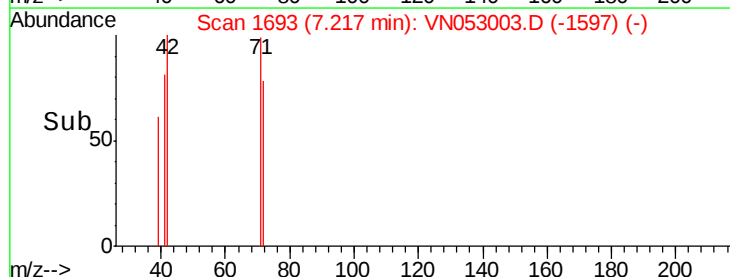
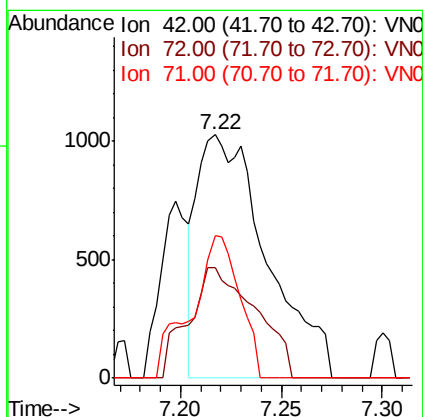
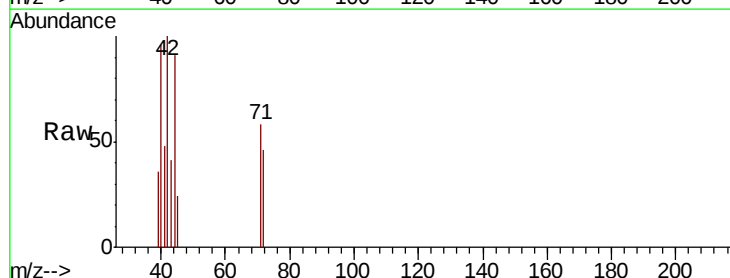
Instrument :
MSVOA_N
ClientSampled :

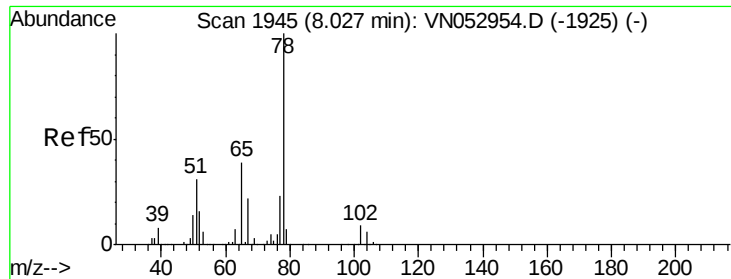
Tot Ion: 43 Resp: 37970
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#29
Tetrahydrofuran
Concen: 0.813 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 42 Resp: 2445
Ion Ratio Lower Upper
42 100
72 44.3 34.7 52.1
71 40.6 32.3 48.5

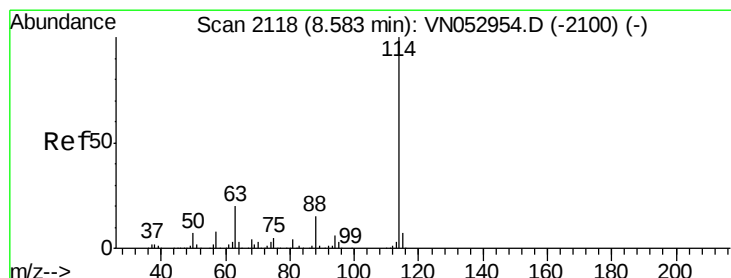
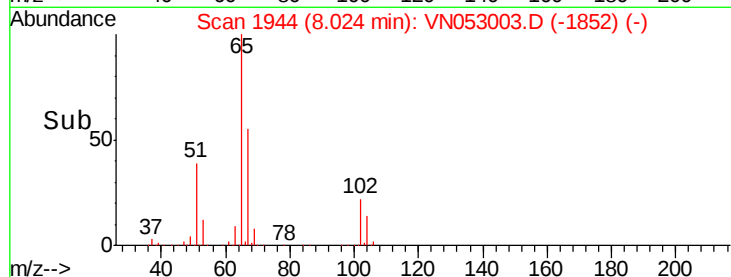
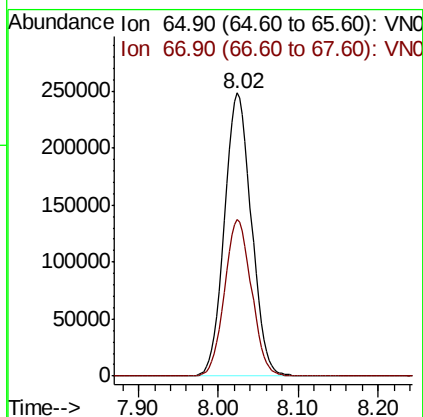
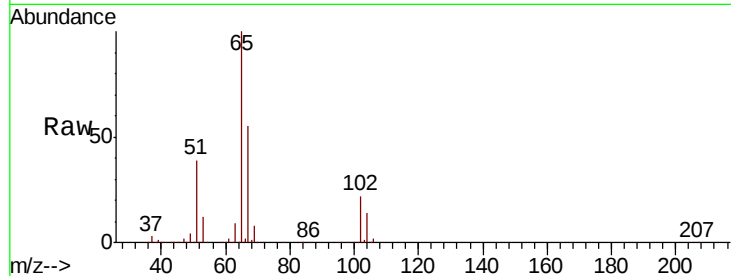




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

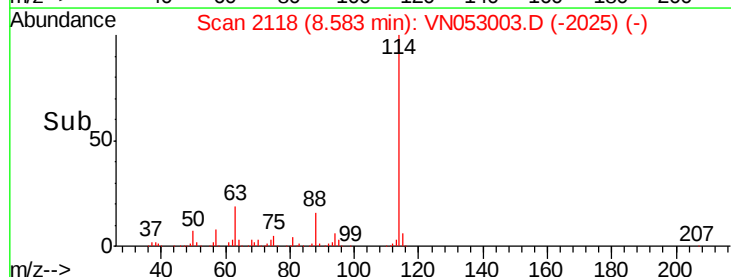
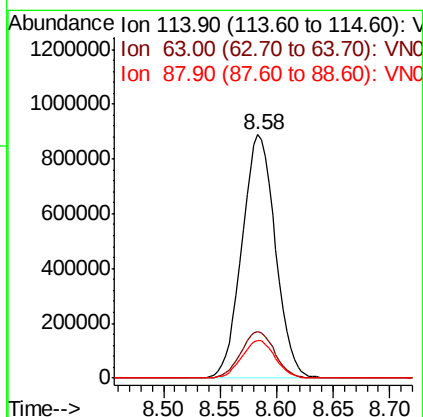
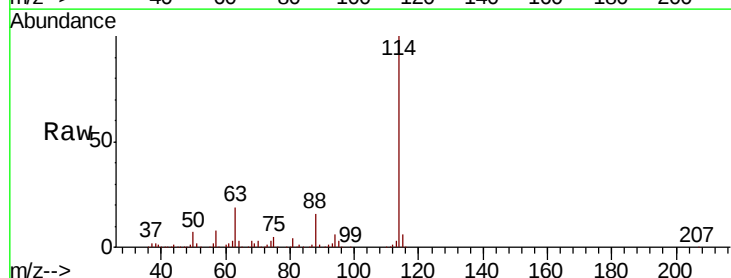
Instrument :
 MSVOA_N
 ClientSampled :

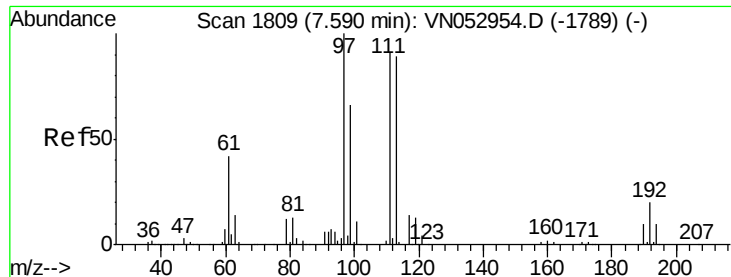
Tot Ion: 65 Resp: 572046
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Tgt Ion: 114 Resp: 1825875
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.5 0.0 31.0

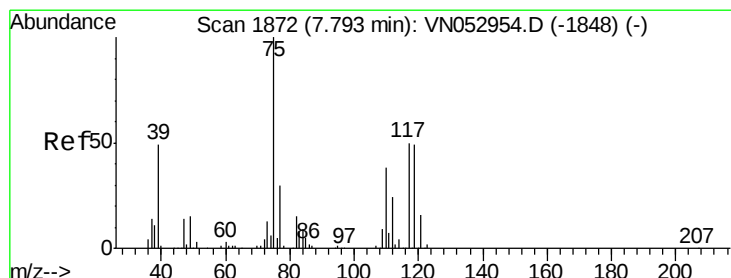
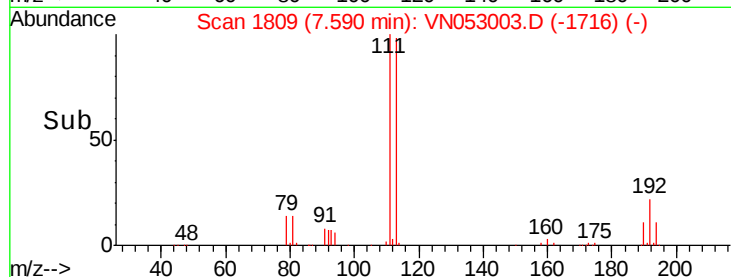
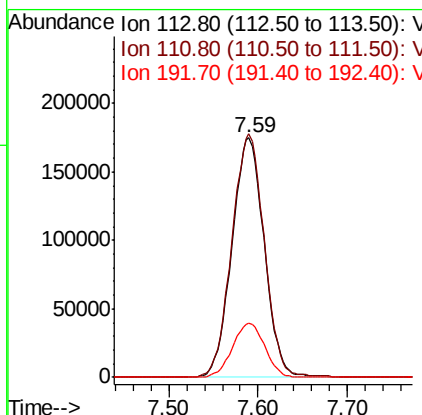
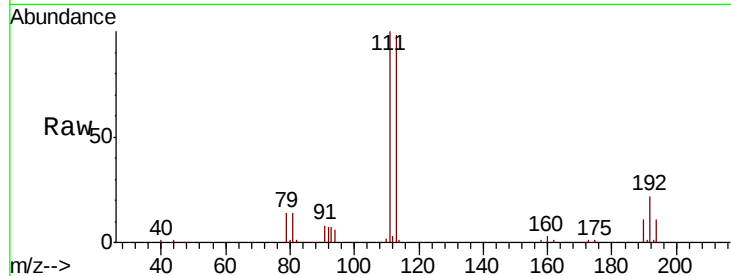




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

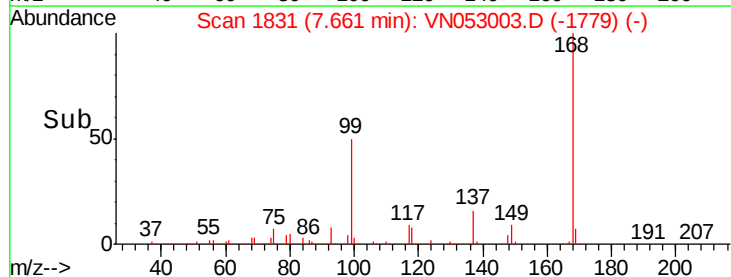
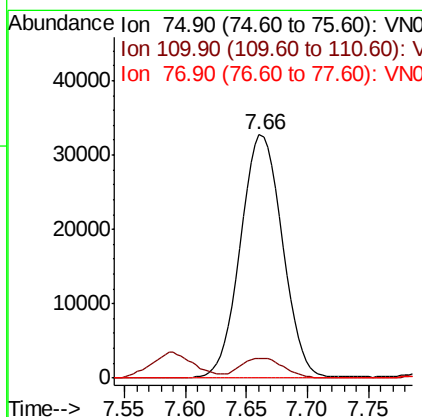
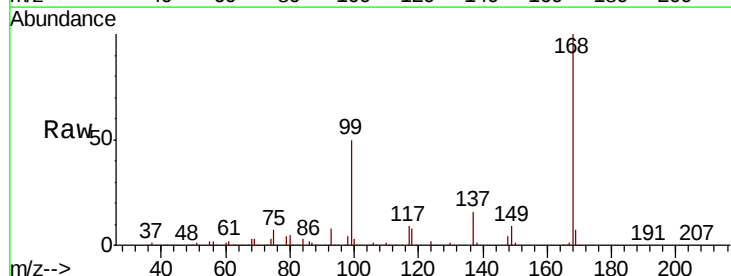
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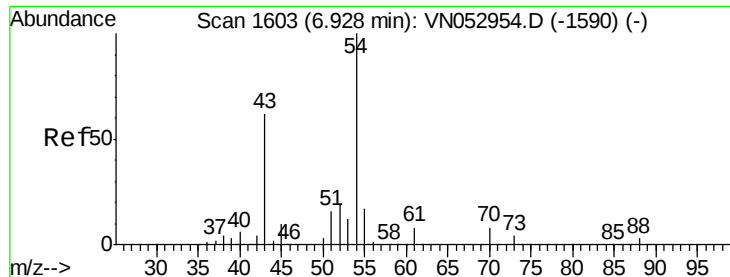
Tot Ion:113 Resp: 439224
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.4
 192 22.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Tgt Ion: 75 Resp: 78052
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.2 54.6#
 77 0.0 24.9 37.3#

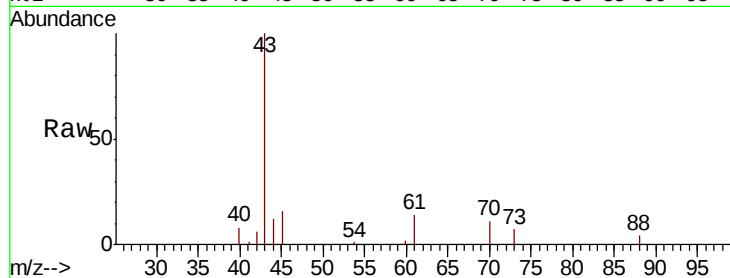




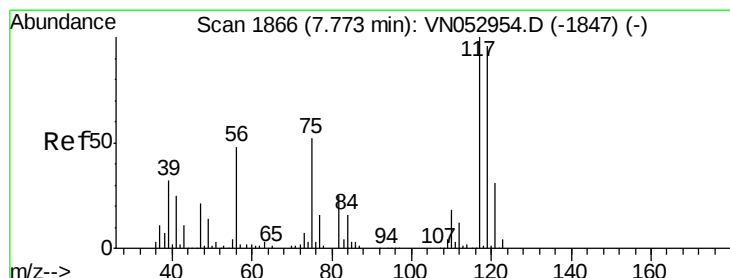
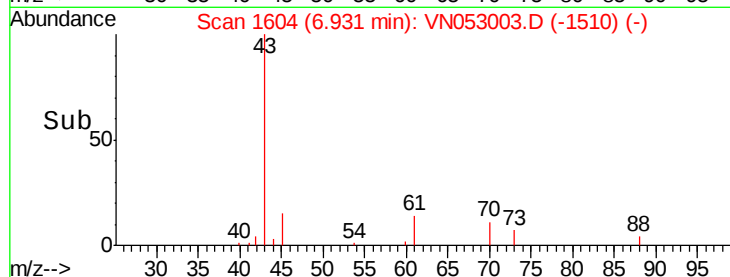
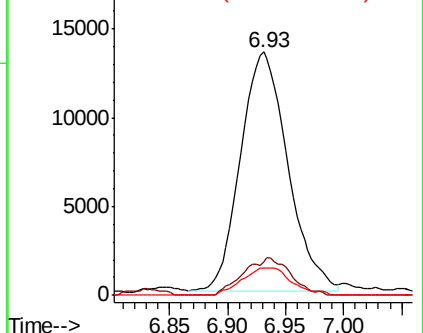
#37
Ethyl Acetate
Concen: 3.881 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 37970
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 11.6 8.4 12.6

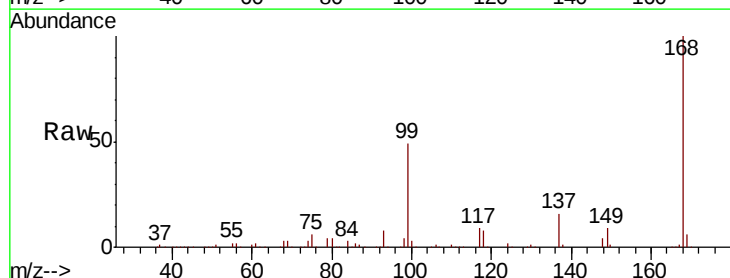


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

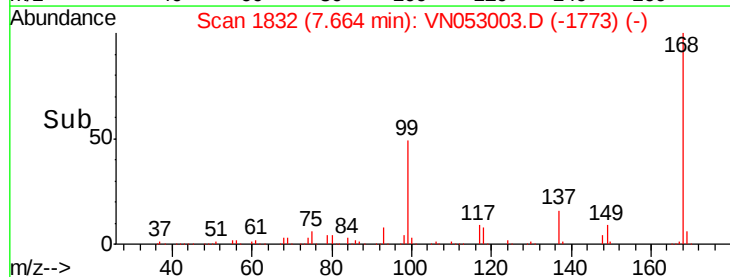
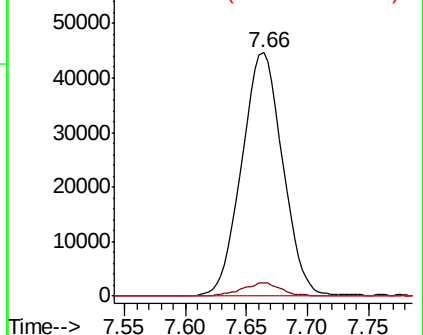


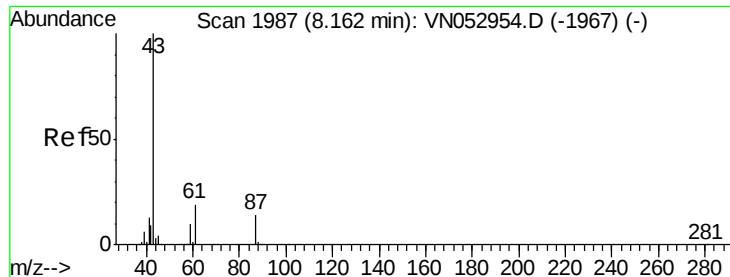
#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 117 Resp: 103813
Ion Ratio Lower Upper
117 100
119 5.6 77.1 115.7#
121 0.0 24.9 37.3#



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



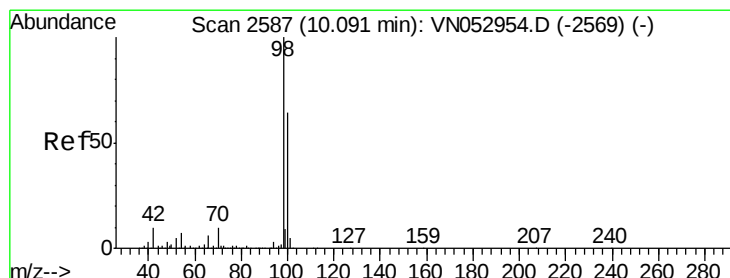
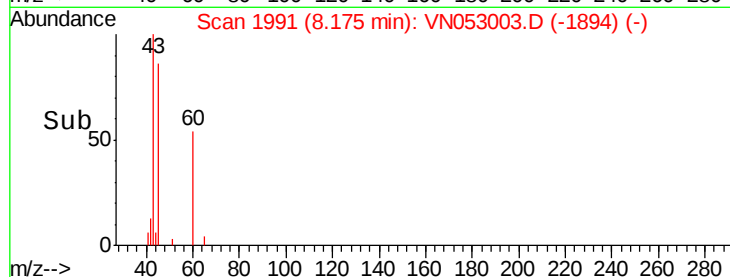
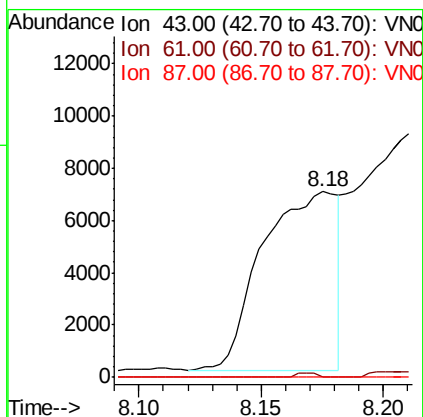
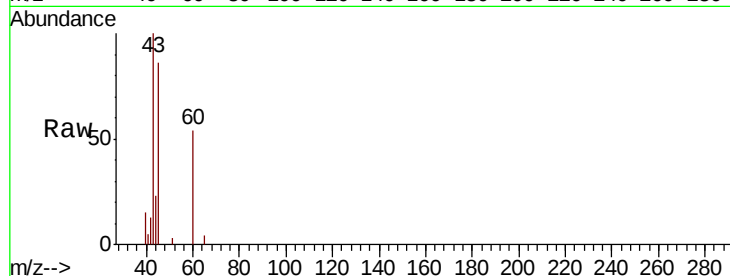


#43

Isopropyl Acetate
 Concen: Below Cal
 RT: 8.18 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_N
 ClientSampled :

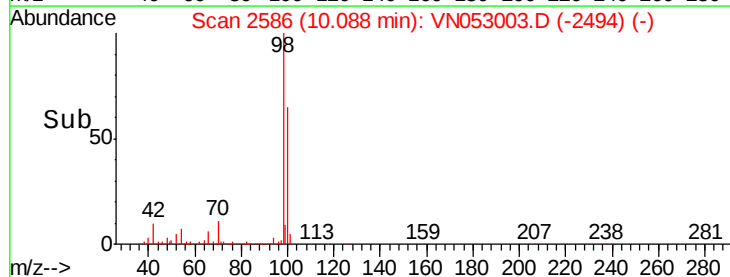
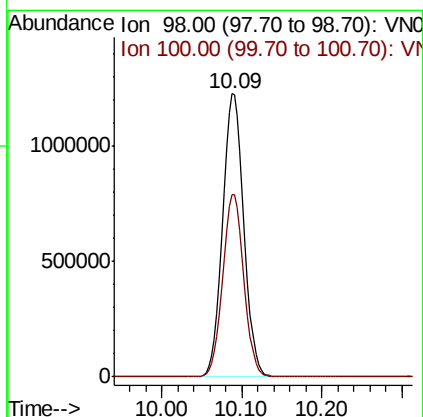
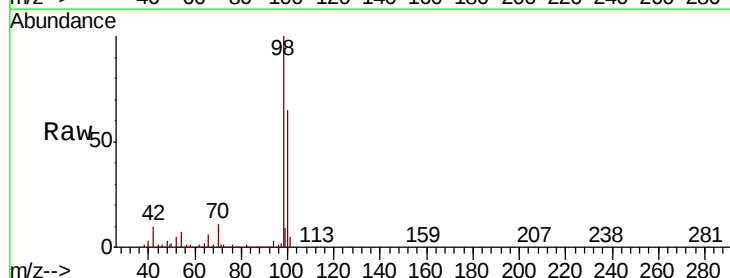
Tot Ion	43	Resp	14507
Ion Ratio	Lower	Upper	
43	100		
61	0.0	22.9	34.3#
87	0.0	10.6	15.8#

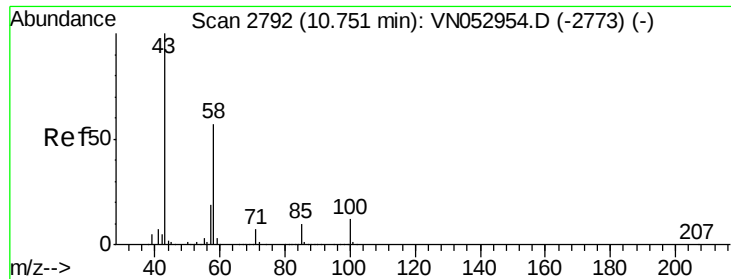


#50

Toluene-d8
 Concen: N.D. ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Tgt Ion	98	Resp	2236587
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.6	77.4

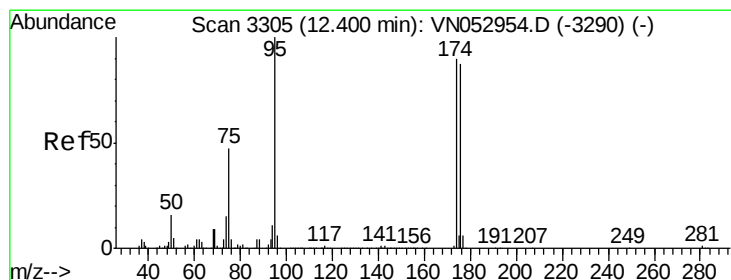
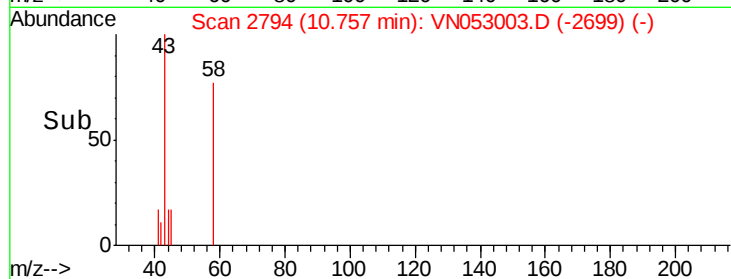
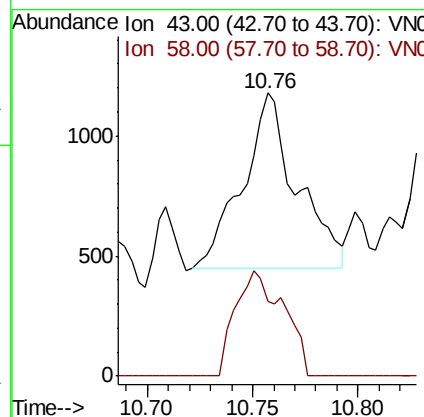
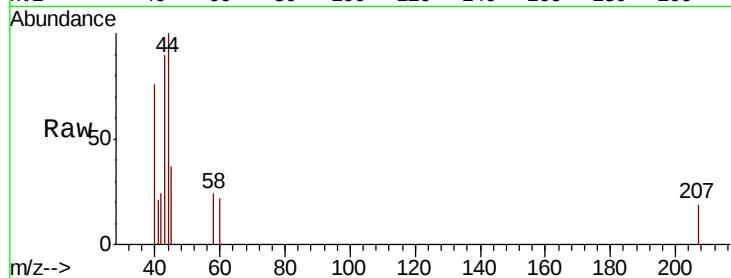




#59
2-Hexanone
Concen: 0.204 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

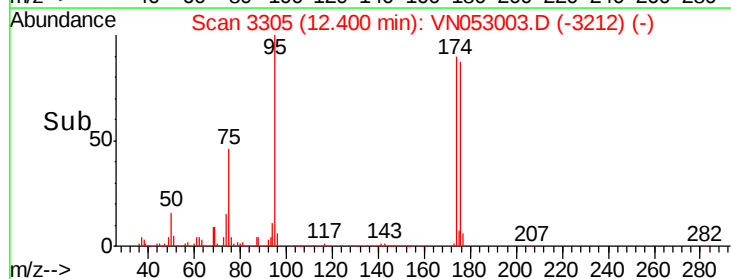
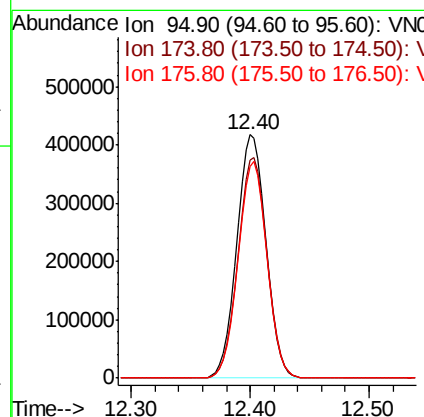
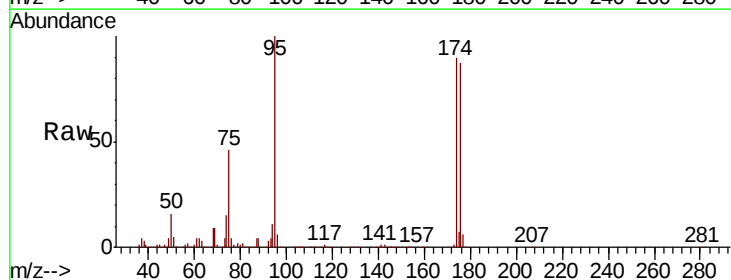
Instrument :
MSVOA_N
ClientSampleId :

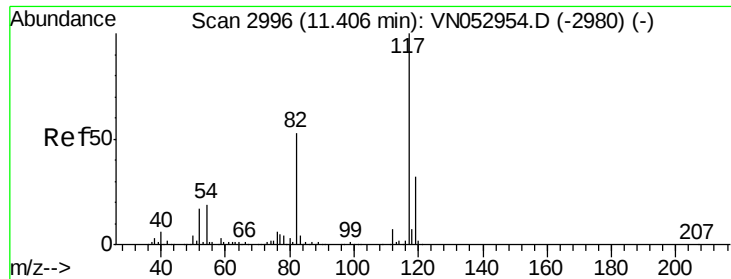
Tot Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 53.0 28.1 84.3



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Tgt Ion: 95 Resp: 706751
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.8
176 88.2 0.0 173.8

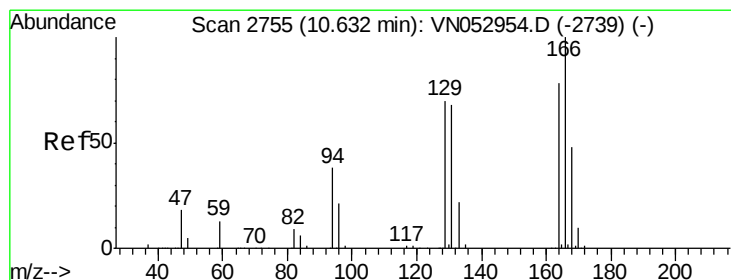
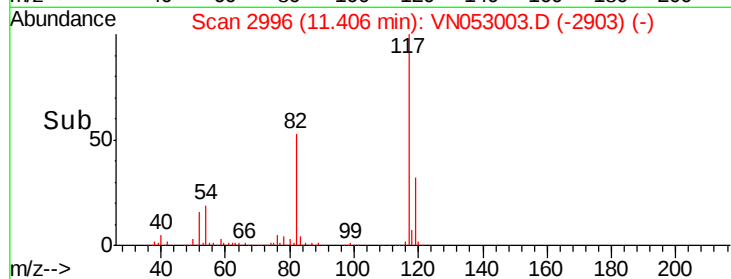
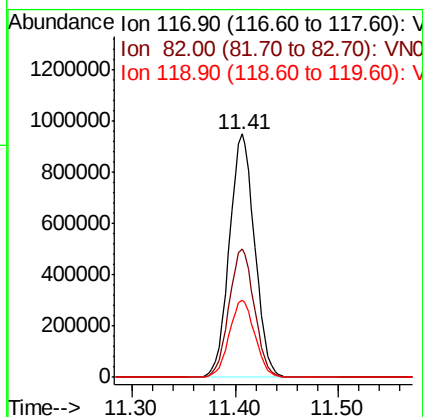
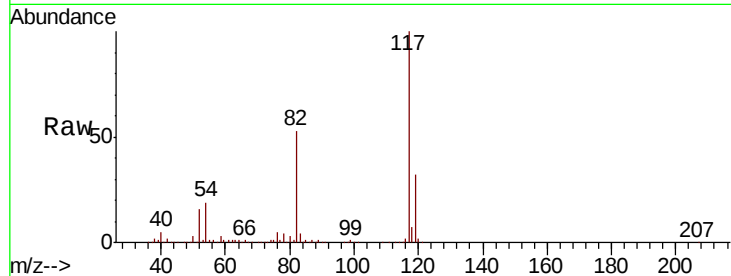




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

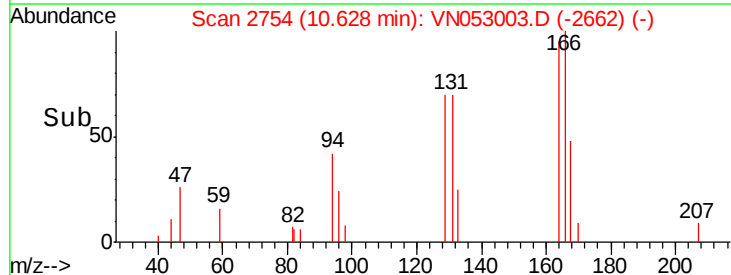
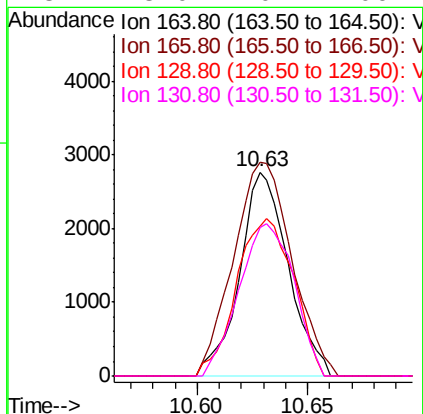
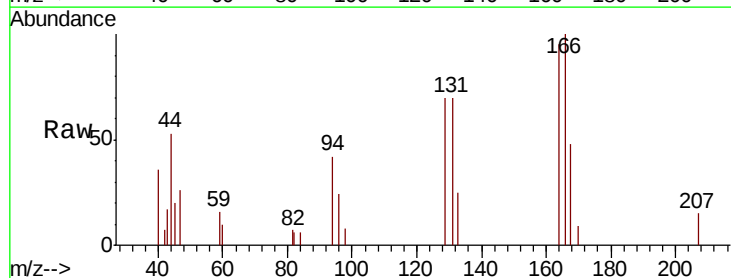
Instrument :
MSVOA_N
ClientSampleId :

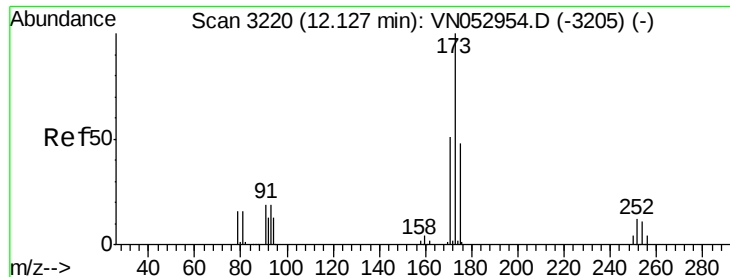
Tot Ion:117 Resp: 1617158
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 0.242 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053003.D
Acq: 19 Dec 2018 11:43

Tgt Ion:164 Resp: 4232
Ion Ratio Lower Upper
164 100
166 104.9 102.9 154.3
129 73.8 73.7 110.5
131 73.0 70.7 106.1





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

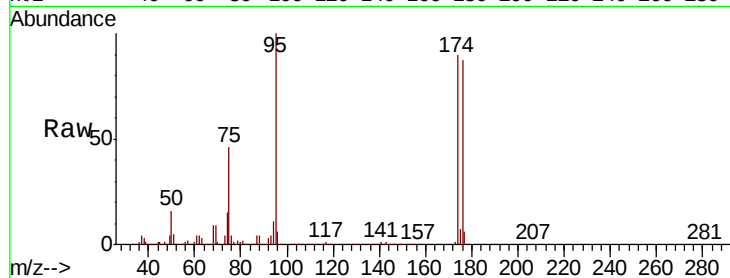
Tot Ion:173 Resp: 4037

Ion Ratio Lower Upper

173 100

175 993.9 24.3 72.9#

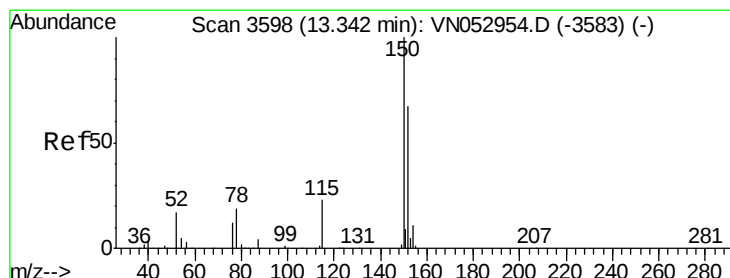
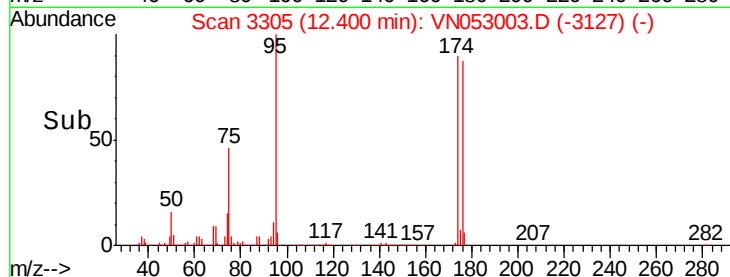
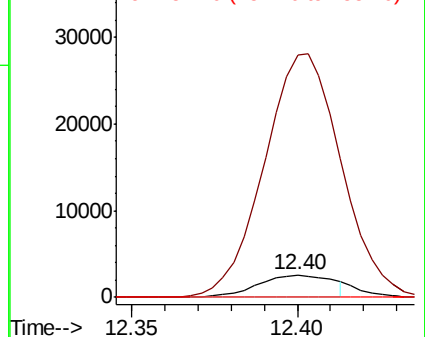
254 0.0 0.1 0.1#



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: VN053003.D

Acq: 19 Dec 2018 11:43

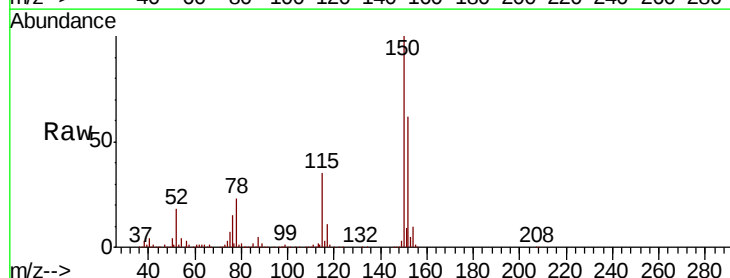
Tgt Ion:152 Resp: 651197

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

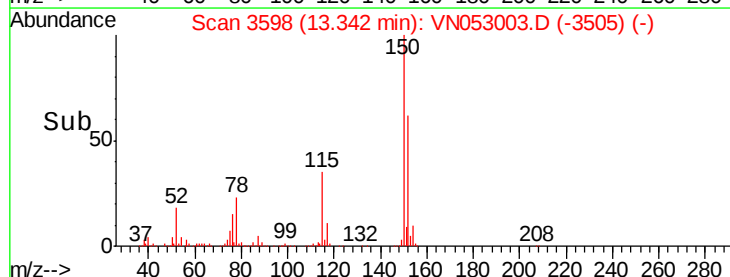
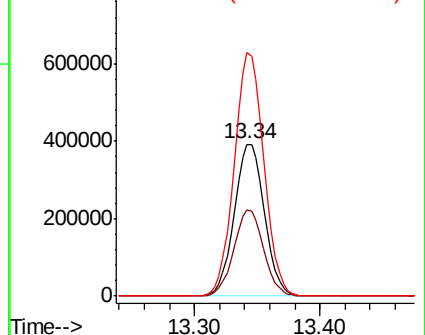
150 158.2 0.0 347.8

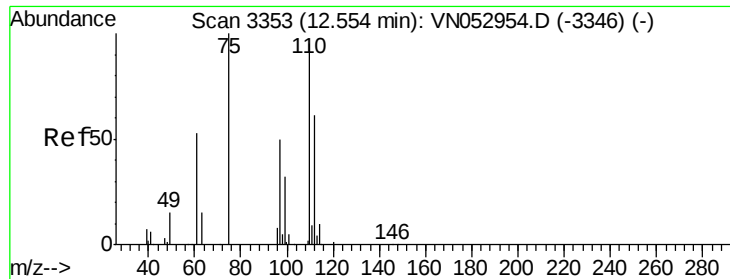


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

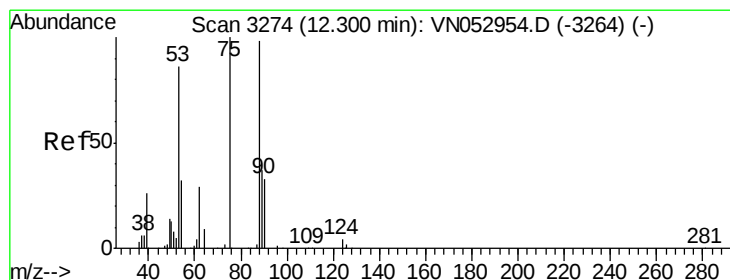
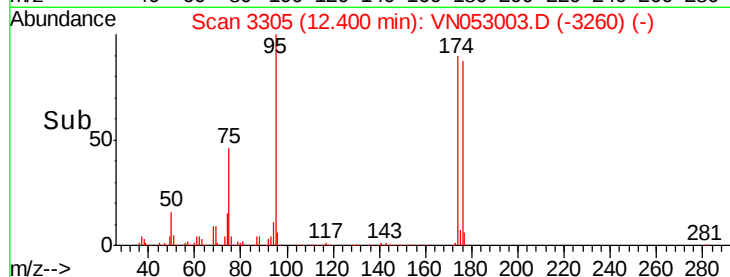
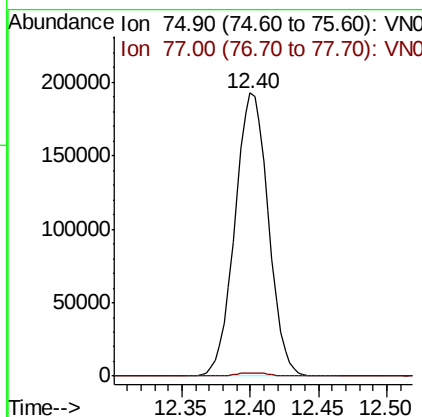
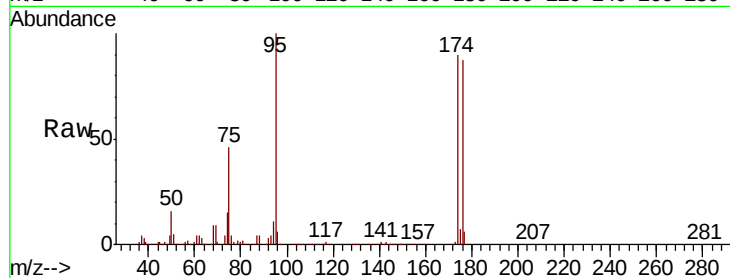




#76
 1,2,3-Trichloropropane
 Concen: 29.884 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

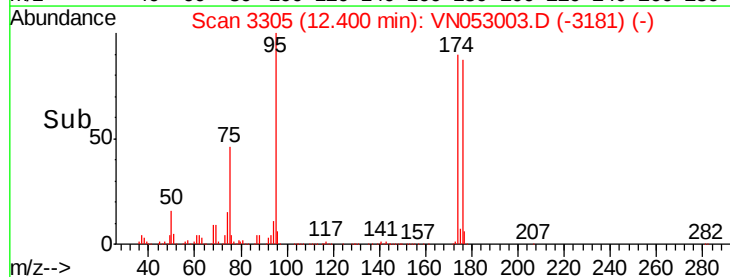
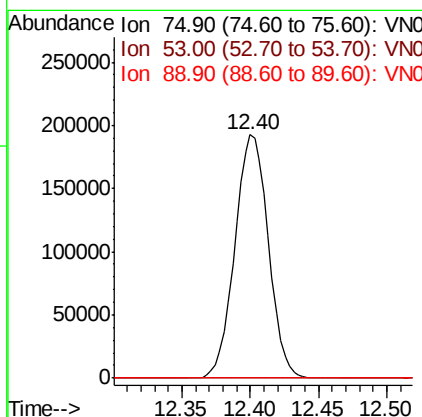
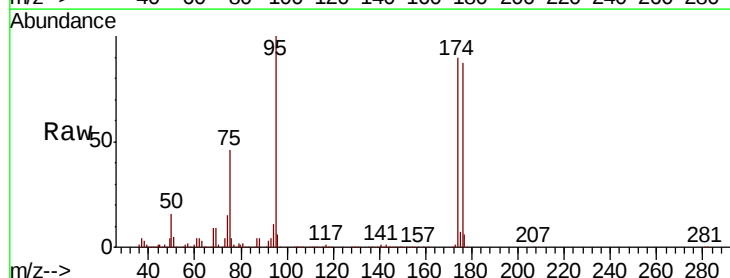
Instrument :
 MSVOA_N
 ClientSampled :

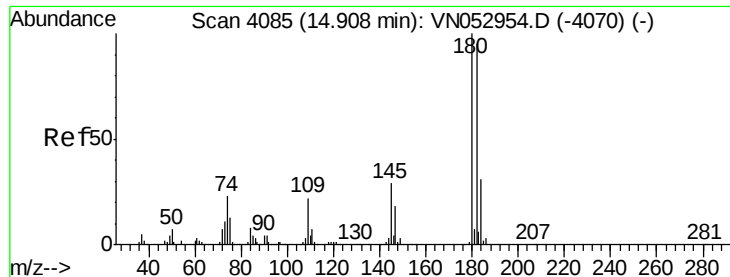
Tot Ion: 75 Resp: 327593
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.319 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Tgt Ion: 75 Resp: 327593
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#

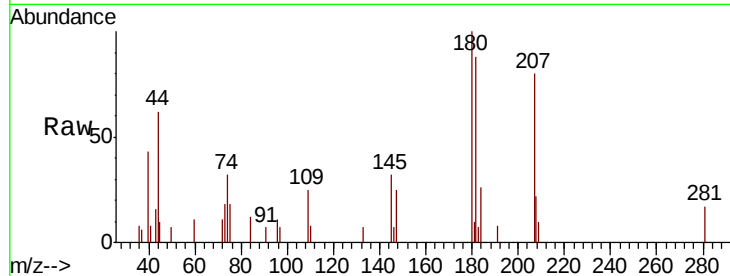




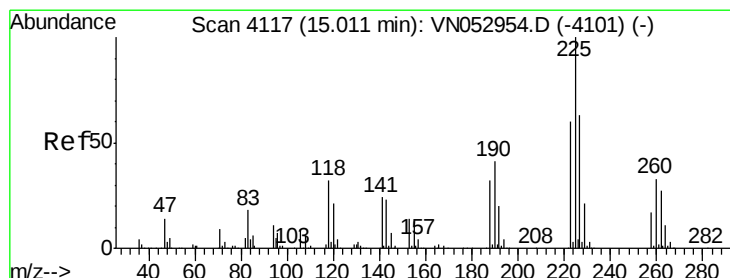
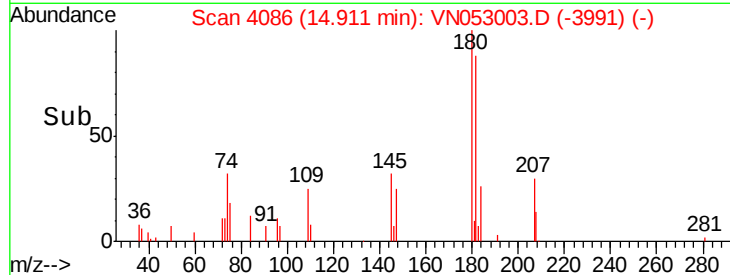
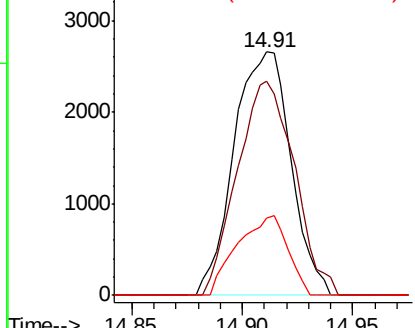
#93
 1,2,4-Trichlorobenzene
 Concen: 0.997 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 4748
 Ion Ratio Lower Upper
 180 100
 182 88.3 47.8 143.3
 145 28.8 14.2 42.6

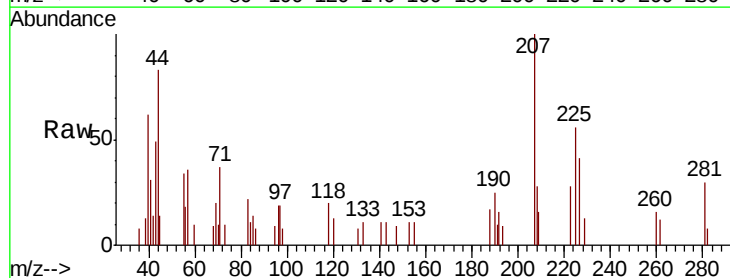


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

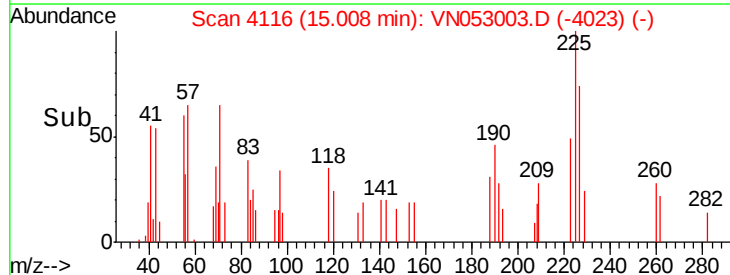
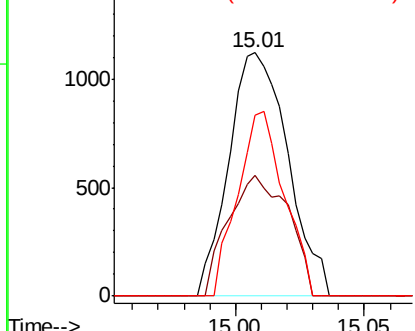


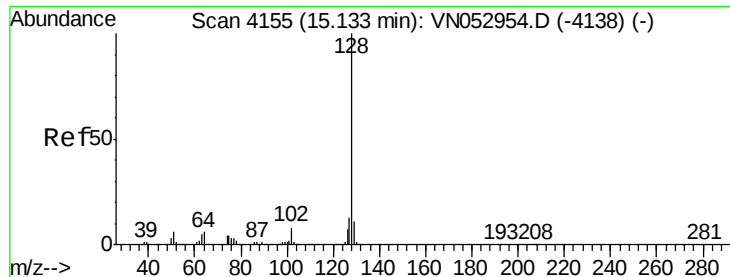
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053003.D
 Acq: 19 Dec 2018 11:43

Tgt Ion:225 Resp: 1791
 Ion Ratio Lower Upper
 225 100
 223 50.5 31.5 94.5
 227 59.8 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.766 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

Instrument :

MSVOA_N

ClientSampleId :

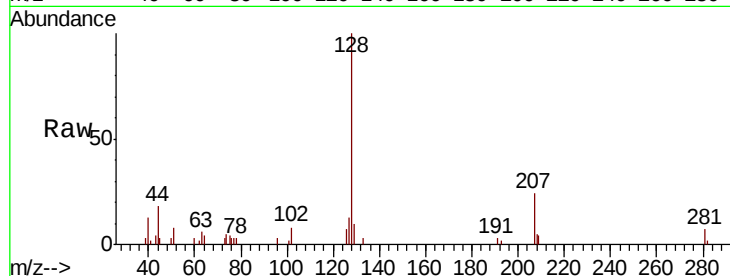
Tot Ion:128 Resp: 16239

Ion Ratio Lower Upper

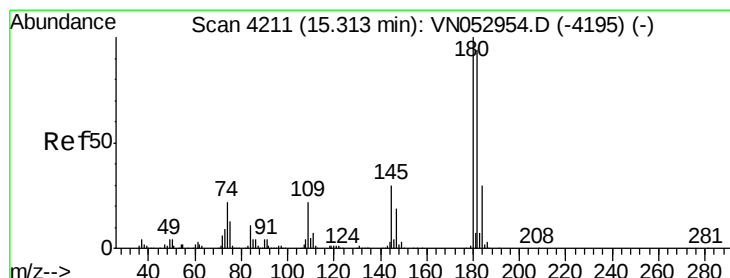
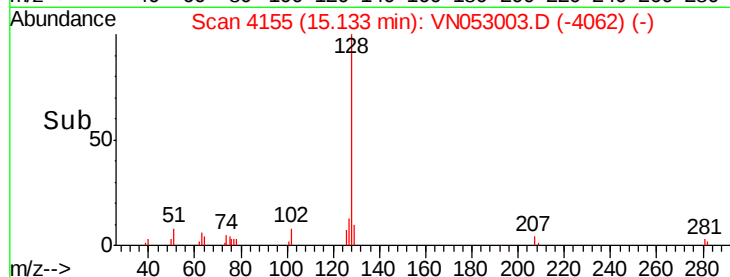
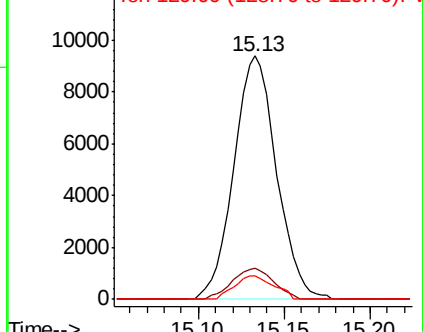
128 100

127 12.4 10.2 15.4

129 8.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.023 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053003.D

Acq: 19 Dec 2018 11:43

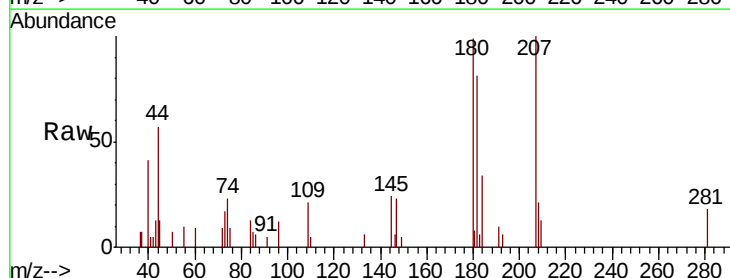
Tgt Ion:180 Resp: 5480

Ion Ratio Lower Upper

180 100

182 83.2 47.9 143.7

145 24.5 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

