

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055023.D
 Acq On : 13 Apr 2019 12:16
 Operator : JC/SP
 Sample : VN0414WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

Quant Time: Apr 14 03:23:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	563624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	883465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	743131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235063	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	351047	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	7.59	113	281305	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.09	98	1054763	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	310277	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	

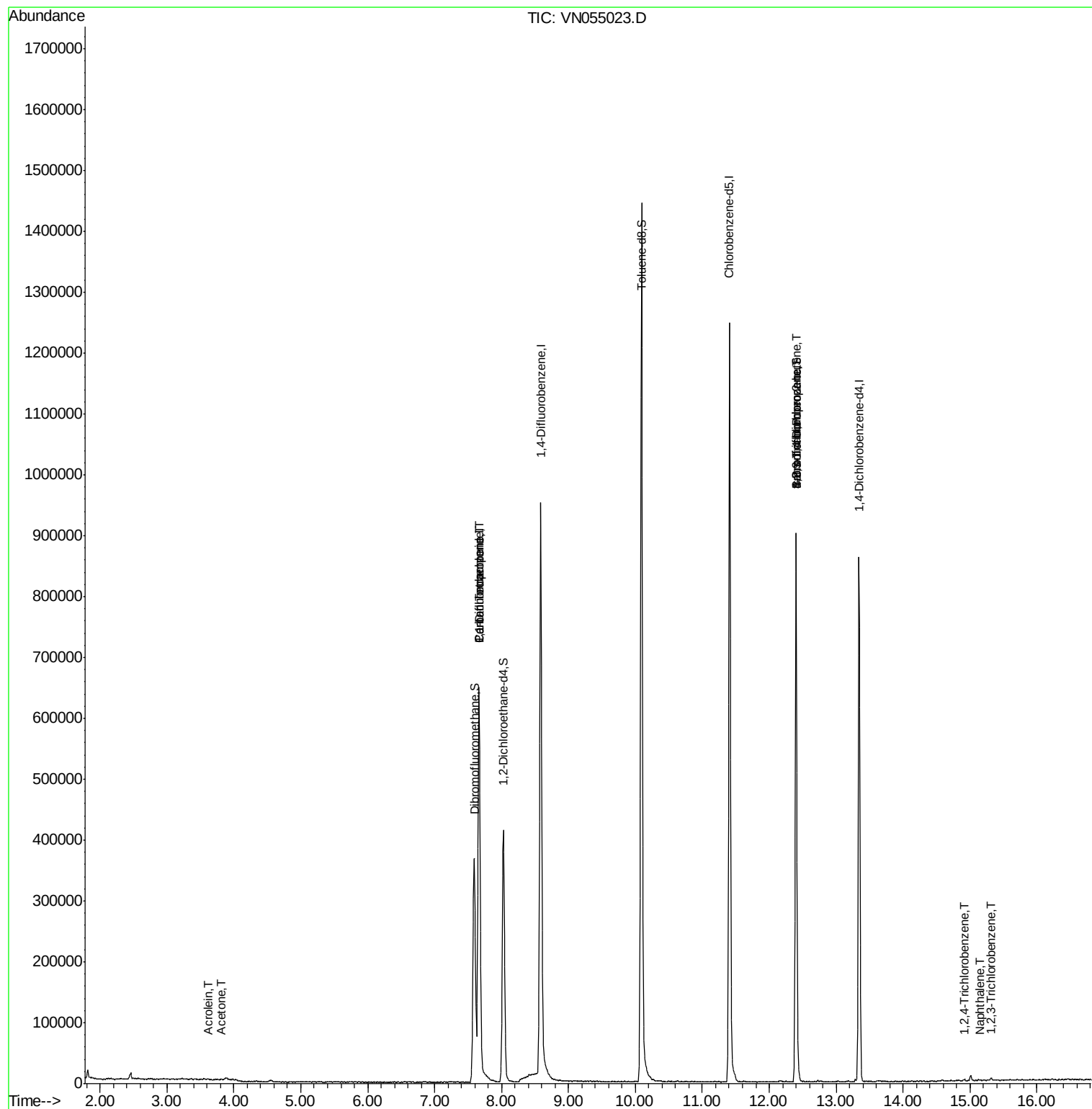
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	159	0.303	ug/l #	12
16) Acetone	3.81	43	676	0.348	ug/l #	49
20) Methylene Chloride	4.54	84	326	Below Cal	#	75
31) Cyclohexane	7.66	56	12030	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	41046	5.027	ug/l #	49
38) Carbon Tetrachloride	7.66	117	52360	6.813	ug/l #	16
71) Bromoform	12.40	173	1973	3.102	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	157140	36.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	157140	149.978	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.90	180	261	3.594	ug/l #	23
94) Hexachlorobutadiene	15.01	225	1609	Below Cal		94
95) Naphthalene	15.14	128	2487	4.926	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	1192	0.341	ug/l	61

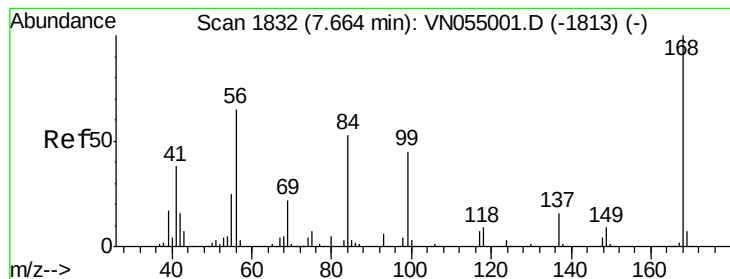
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041419\
Data File : VN055023.D
Acq On : 13 Apr 2019 12:16
Operator : JC/SP
Sample : VN0414WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

Quant Time: Apr 14 03:23:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
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: VN055023.D

Acq: 13 Apr 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

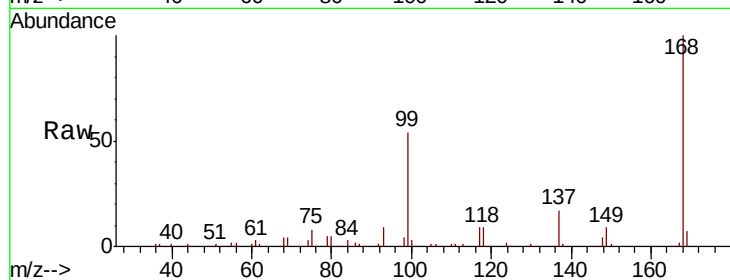
VN0414WBL01

Tot Ion:168 Resp: 563624

Ion Ratio Lower Upper

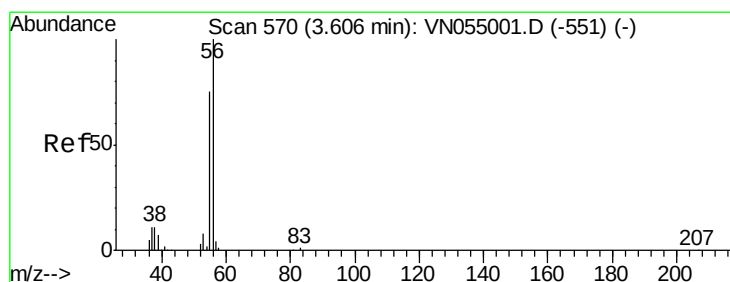
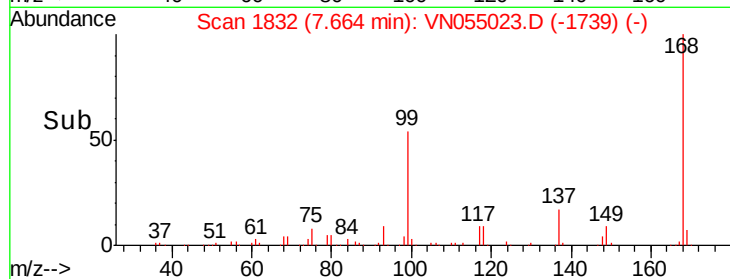
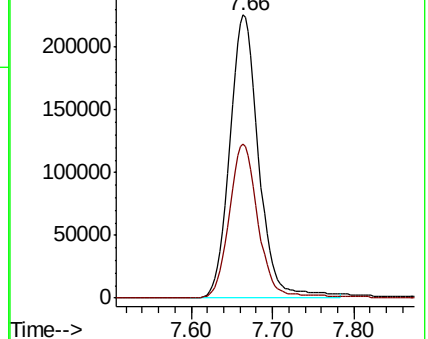
168 100

99 54.3 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055001.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055001.D (-1813) (-)



#13

Acrolein

Concen: 0.303 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055023.D

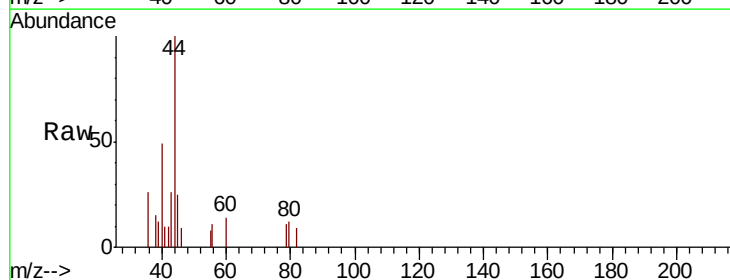
Acq: 13 Apr 2019 12:16

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

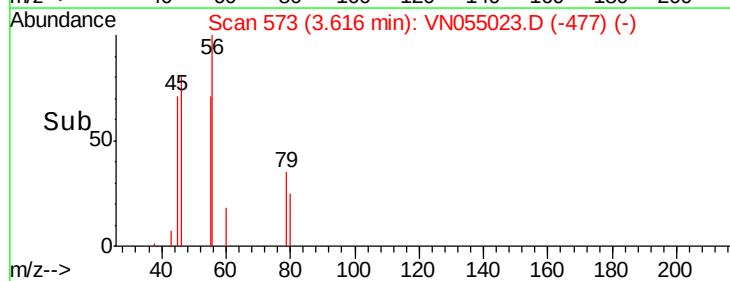
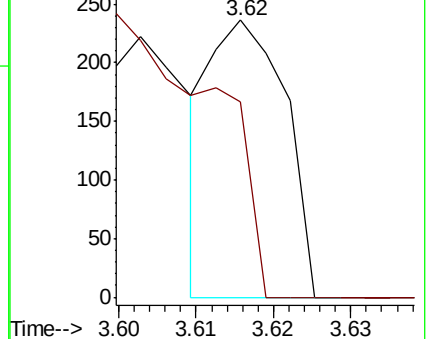
56 100

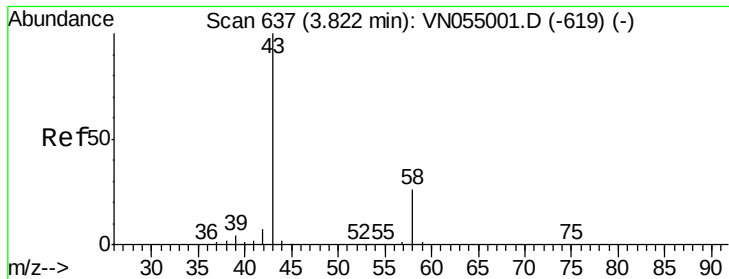
55 0.0 59.5 89.3#



Abundance Ion 56.00 (55.70 to 56.70): VN055001.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN055001.D (-551) (-)

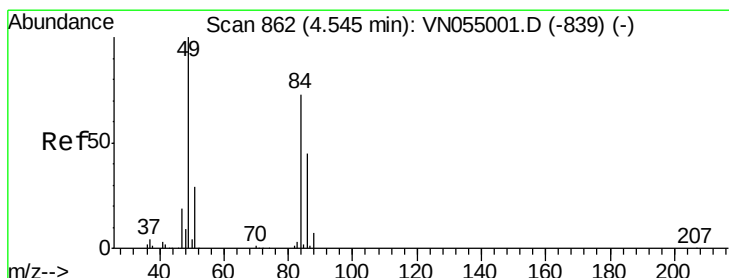
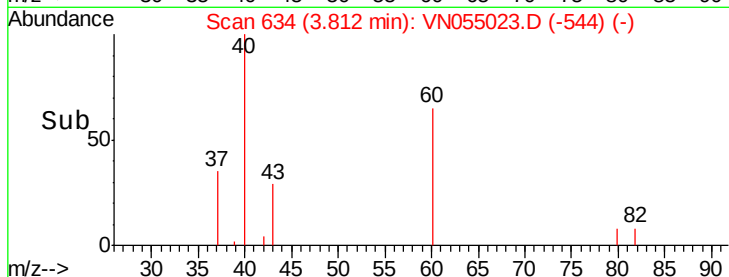
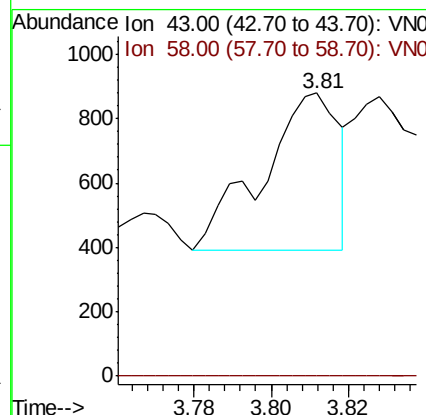
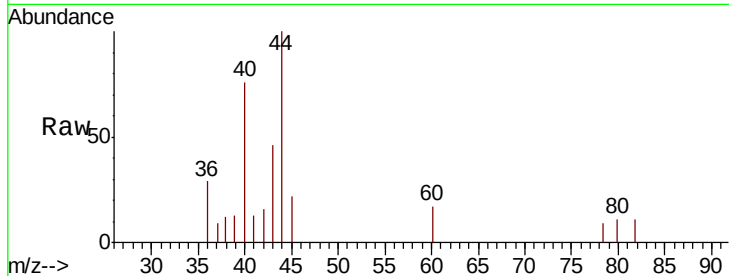




#16
Acetone
Concen: 0.348 ug/l
RT: 3.81 min Scan# 634
Delta R.T. -0.01 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

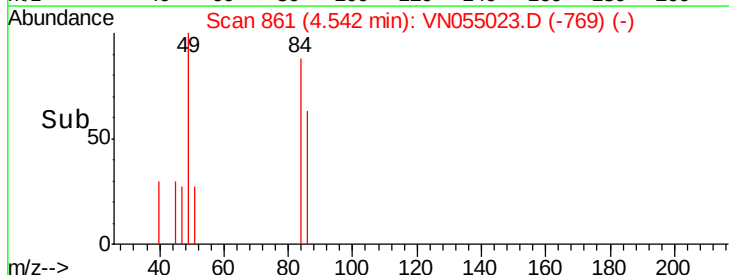
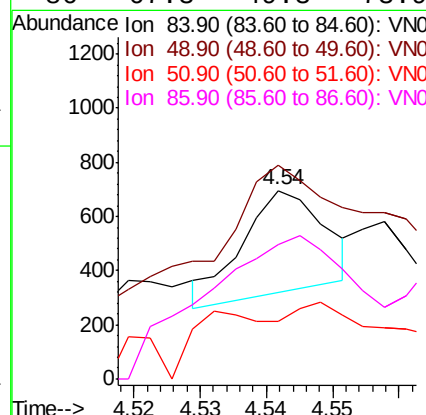
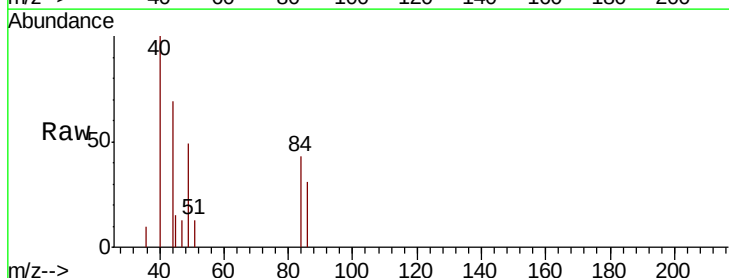
Instrument :
MSVOA_N
ClientSampled :
VN0414WBL01

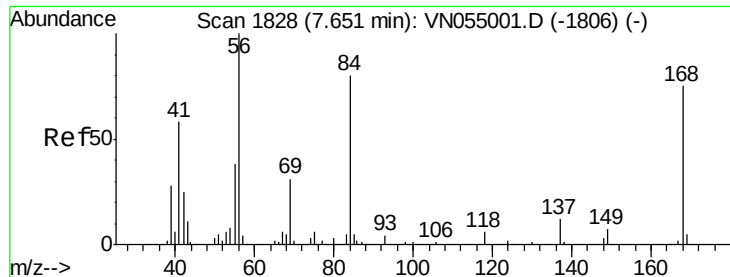
Tot Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Tgt Ion: 84 Resp: 326
Ion Ratio Lower Upper
84 100
49 106.9 109.4 164.2#
51 8.4 32.2 48.4#
86 67.3 49.3 73.9

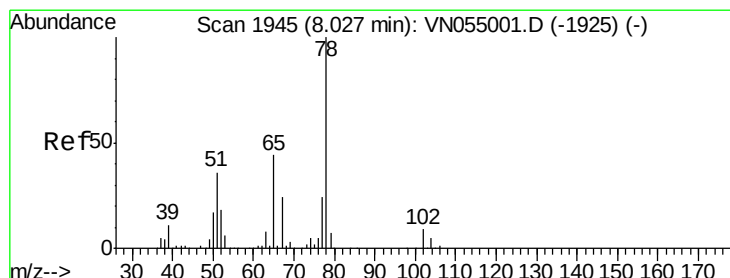
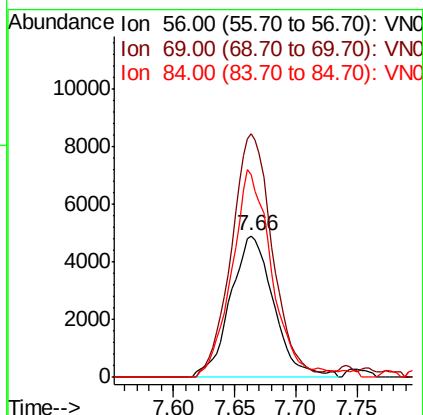
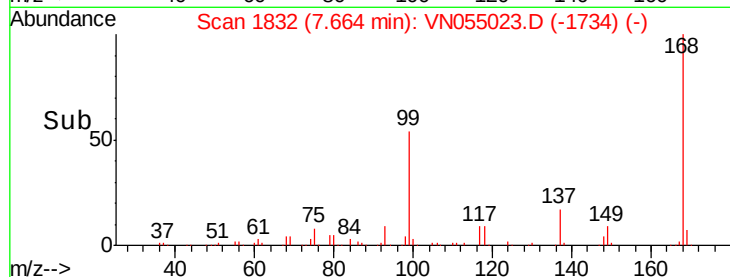
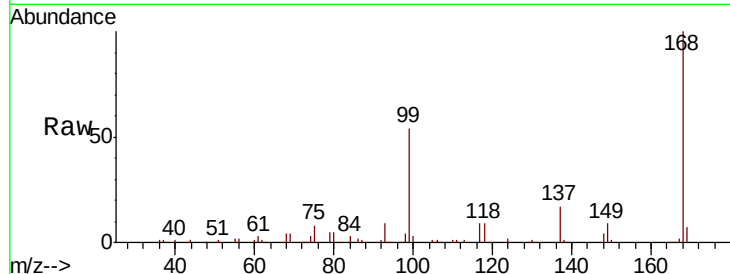




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

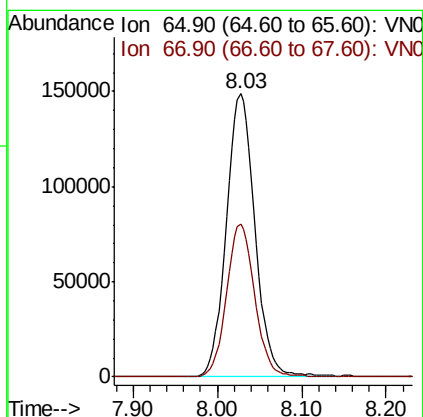
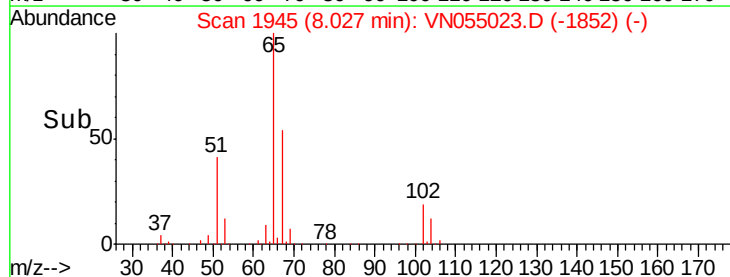
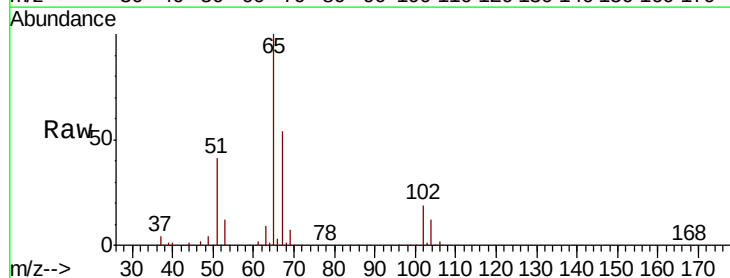
Instrument :
MSVOA_N
ClientSampled :
VN0414WBL01

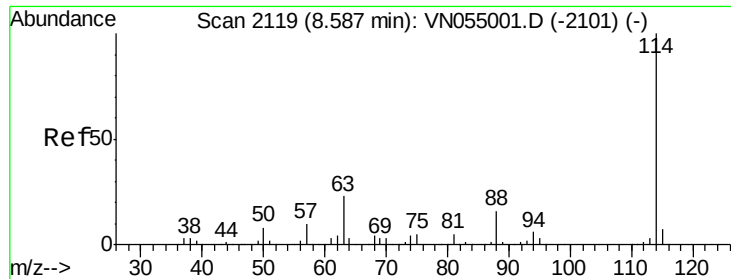
Tot Ion: 56 Resp: 12030
Ion Ratio Lower Upper
56 100
69 171.9 24.5 36.7#
84 142.7 62.9 94.3#



#33
1,2-Dichloroethane-d4
Concen: 49.631 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Tgt Ion: 65 Resp: 351047
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4

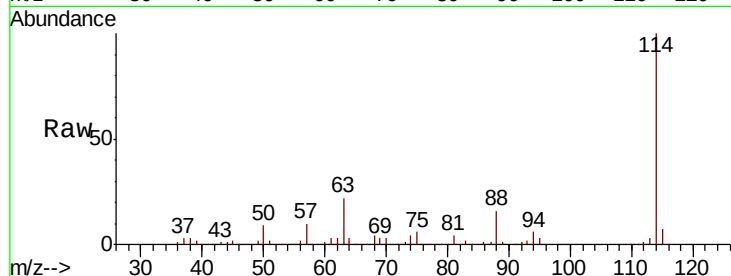




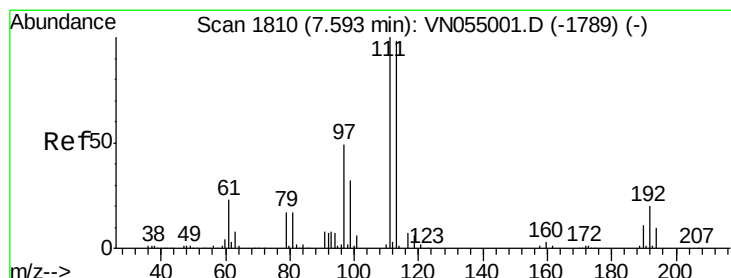
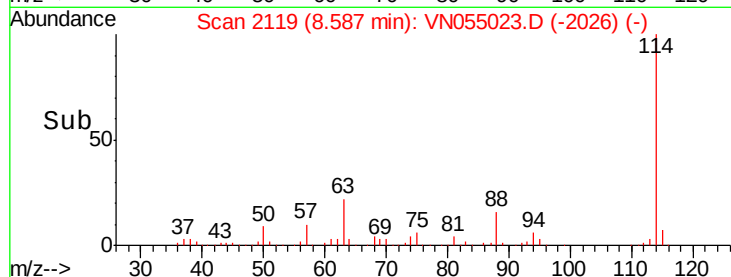
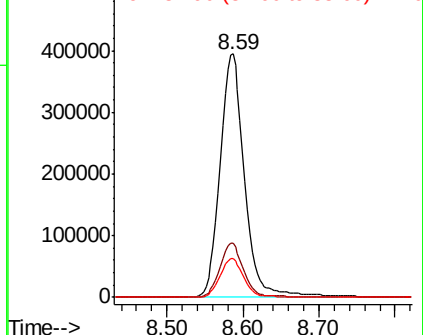
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055023.D
 Acq: 13 Apr 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

Tot Ion:114 Resp: 883465
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 45.2
 88 15.7 0.0 31.8

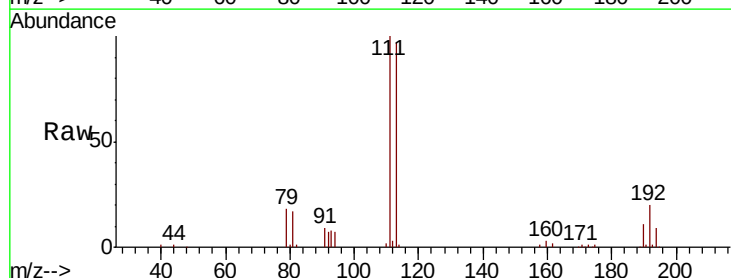


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

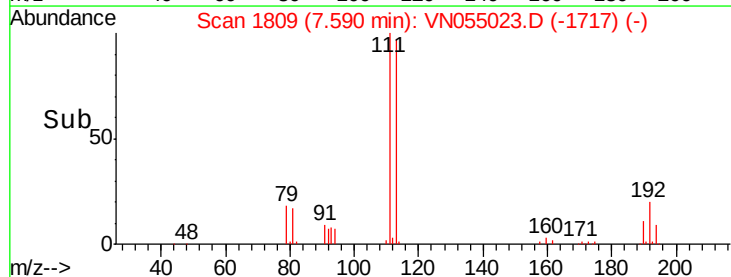
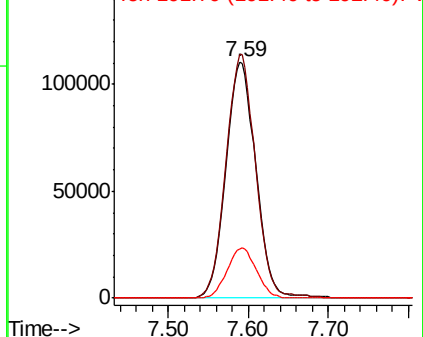


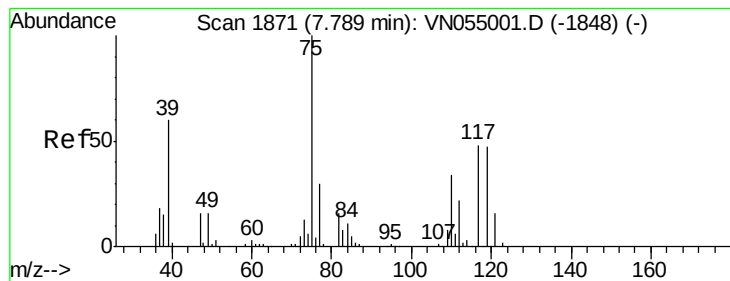
#35
 Dibromofluoromethane
 Concen: 49.949 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055023.D
 Acq: 13 Apr 2019 12:16

Tgt Ion:113 Resp: 281305
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.1 123.1
 192 20.9 16.5 24.7



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: 5.027 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBL01

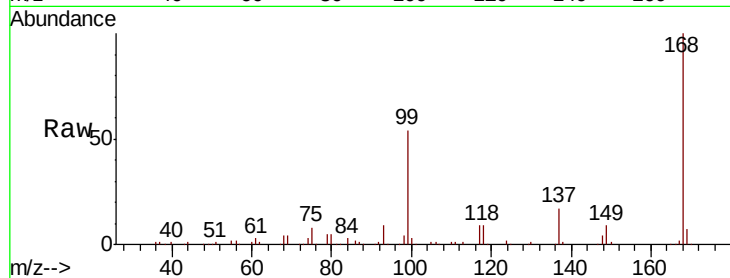
Tot Ion: 75 Resp: 41046

Ion Ratio Lower Upper

75 100

110 8.6 17.5 52.5#

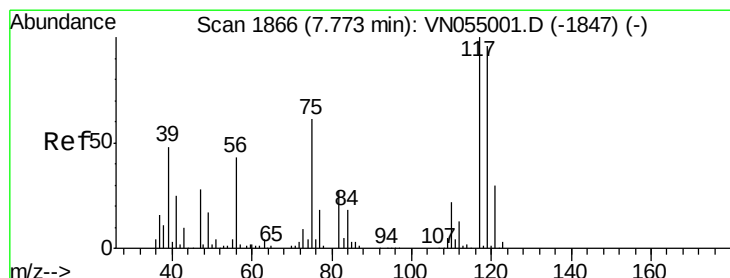
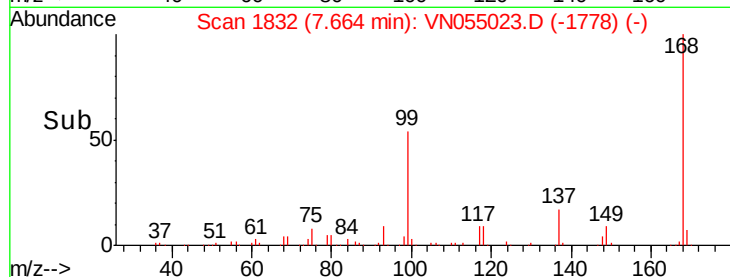
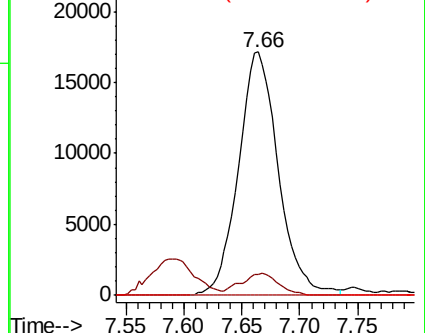
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055001.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN055001.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN055001.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 6.813 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

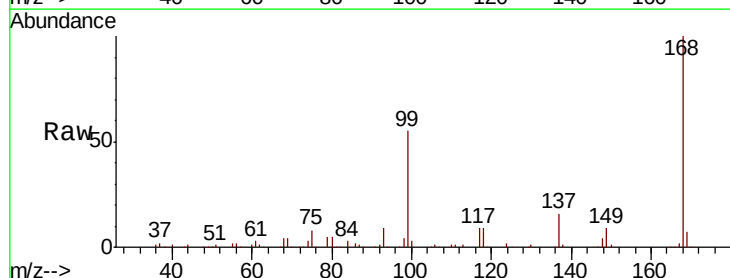
Tgt Ion: 117 Resp: 52360

Ion Ratio Lower Upper

117 100

119 4.9 76.3 114.5#

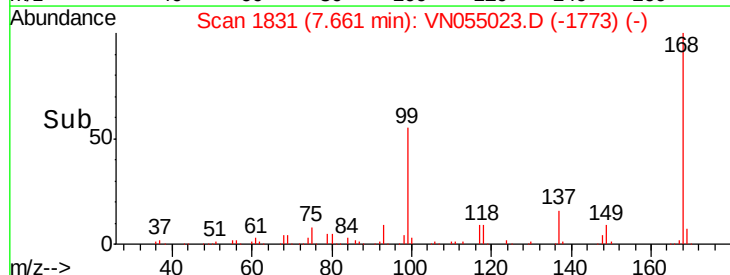
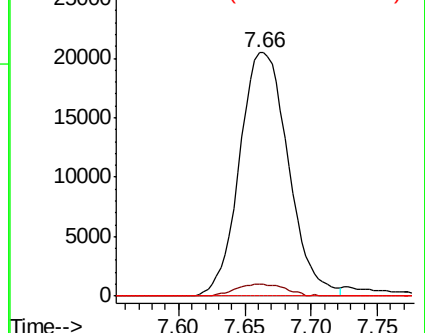
121 0.0 23.9 35.9#

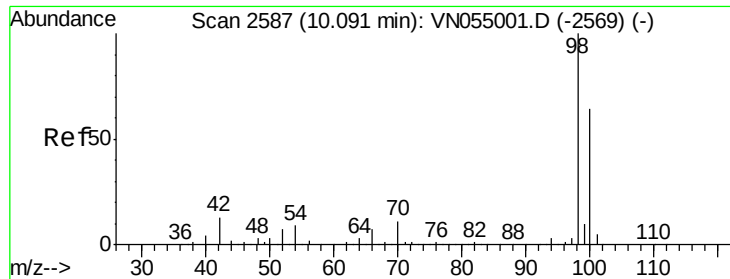


Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055001.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055001.D (-1847) (-)





#50

Toluene-d8

Concen: 50.991 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

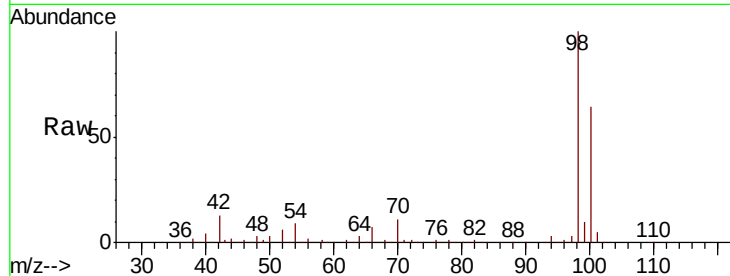
VN0414WBL01

Tot Ion: 98 Resp: 1054763

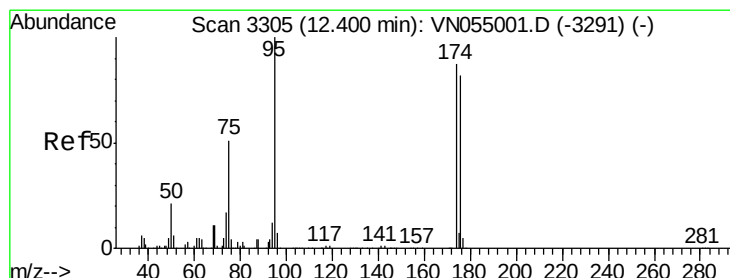
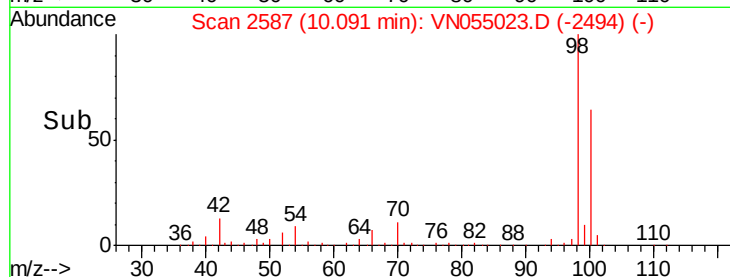
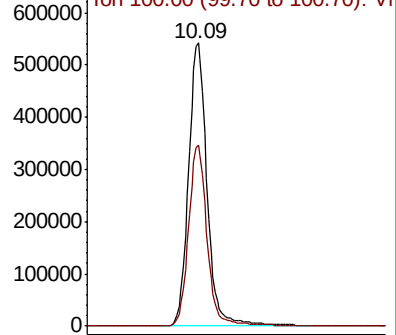
Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 44.531 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

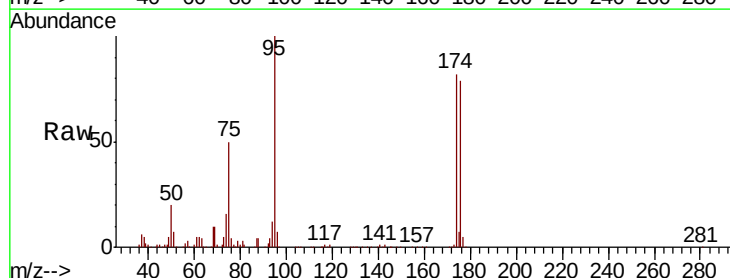
Tgt Ion: 95 Resp: 310277

Ion Ratio Lower Upper

95 100

174 84.5 0.0 174.4

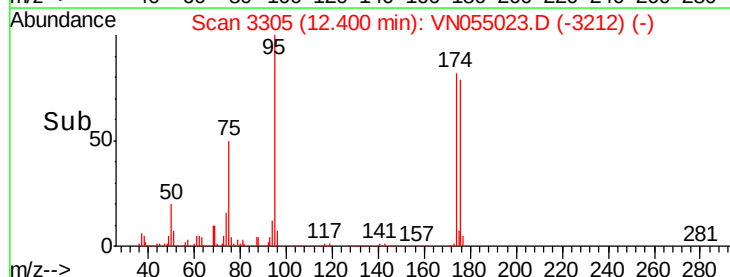
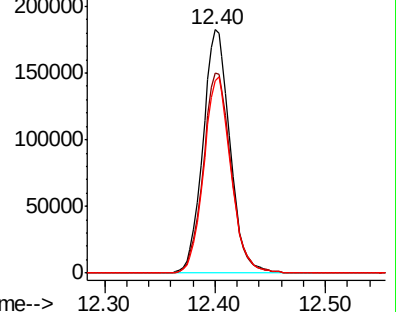
176 80.9 0.0 166.8

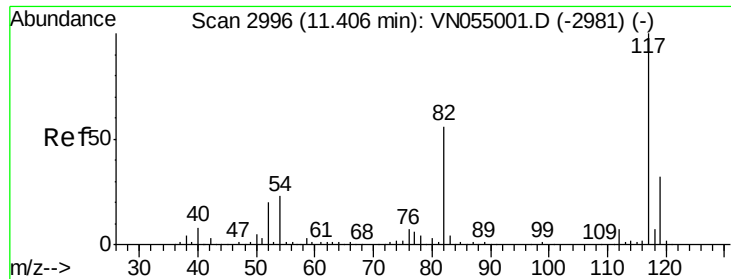


Abundance Ion 94.90 (94.60 to 95.60): VN055001.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055001.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055001.D (-3291) (-)

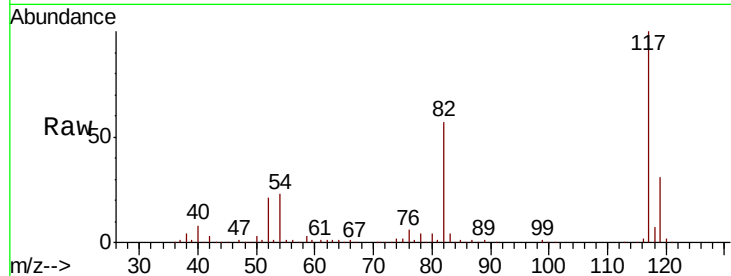




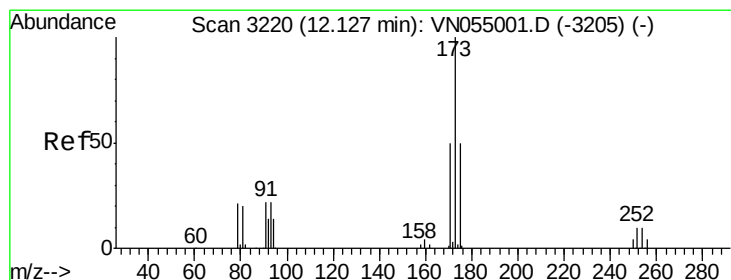
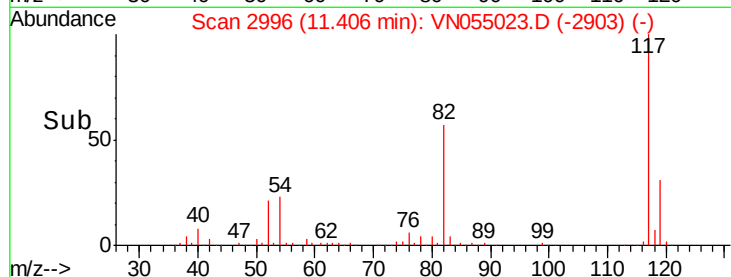
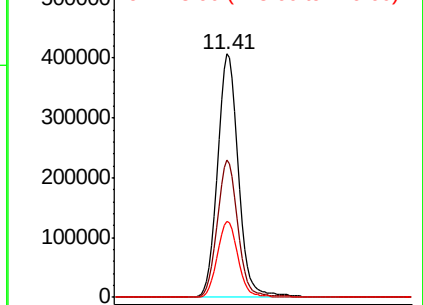
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0414WBL01

Tot Ion:117 Resp: 743131
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 31.3 25.5 38.3

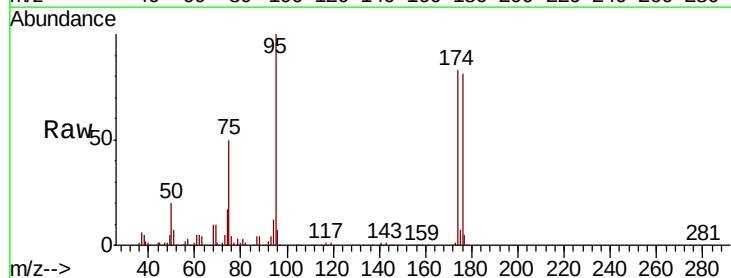


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

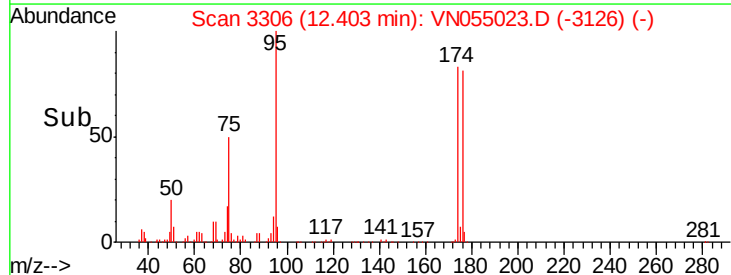
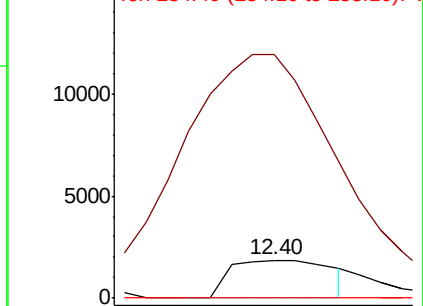


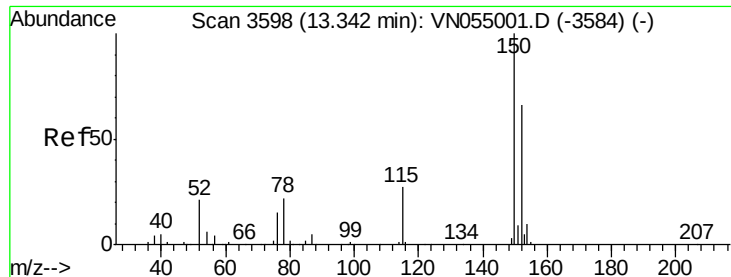
#71
Bromoform
Concen: 3.102 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Tgt Ion:173 Resp: 1973
Ion Ratio Lower Upper
173 100
175 914.2 24.3 73.0#
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



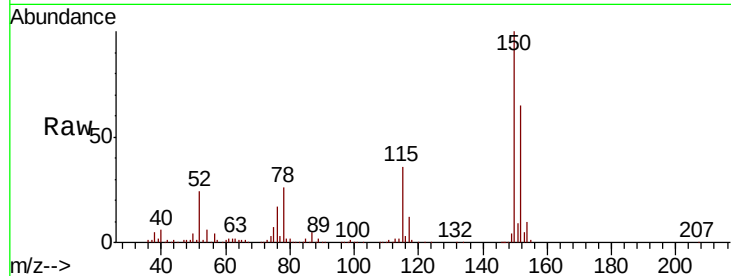


#72

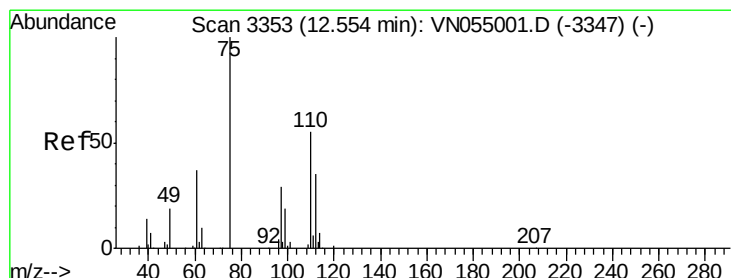
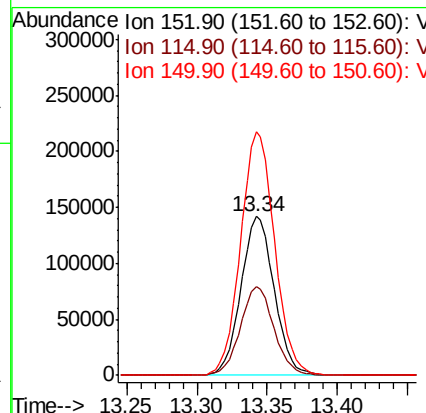
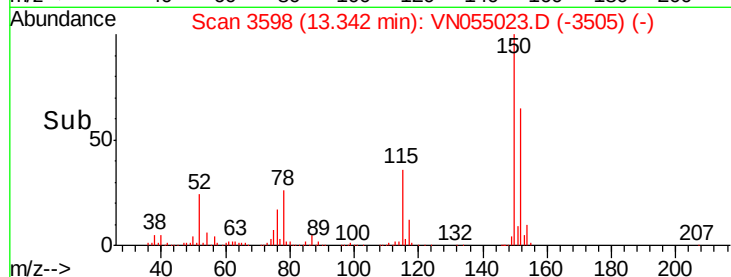
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0414WBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.5	85.6
150	156.2	0.0	347.2



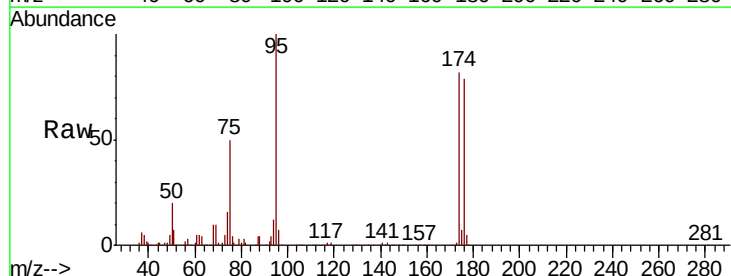
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



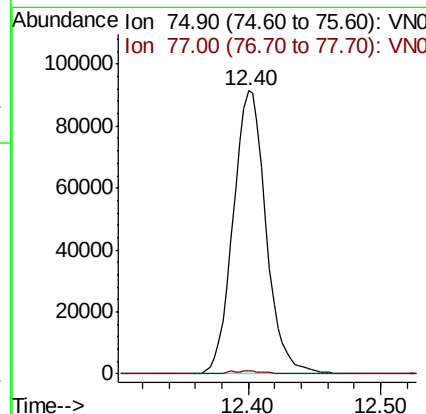
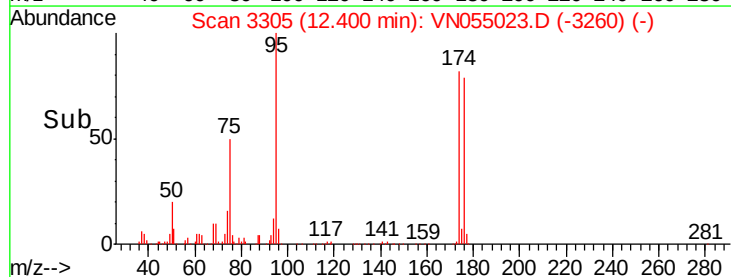
#76

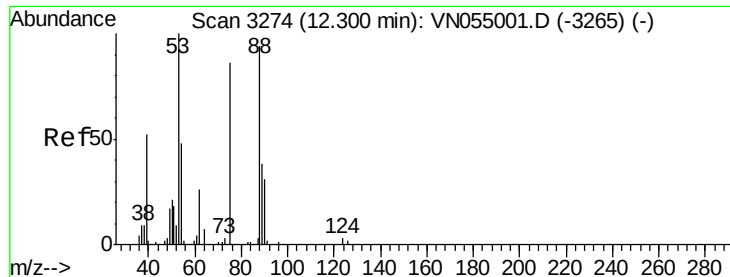
1,2,3-Trichloropropane
Concen: 36.337 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

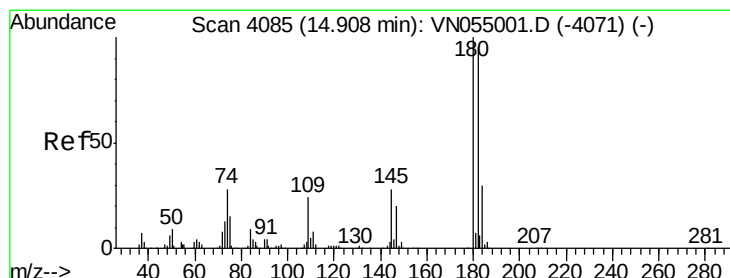
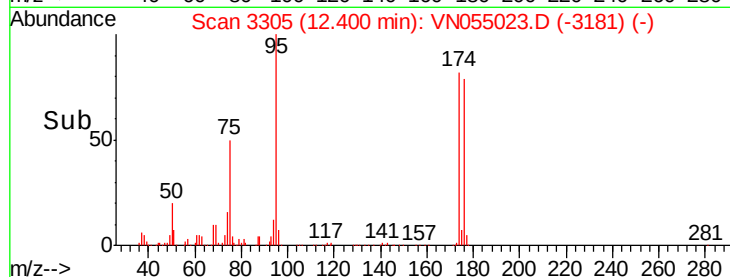
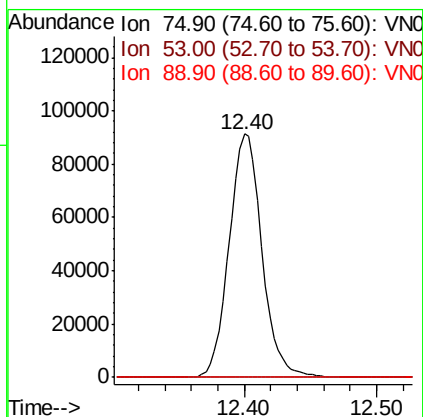
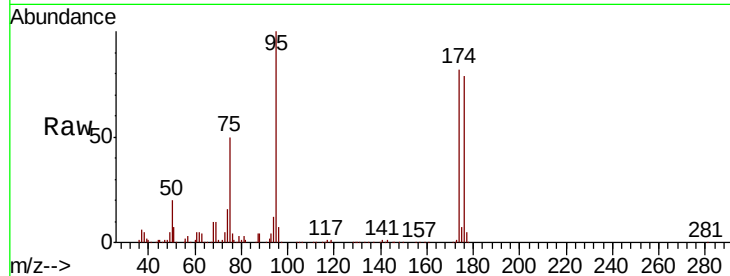




#81
trans-1,4-Dichloro-2-butene
Concen: 149.978 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

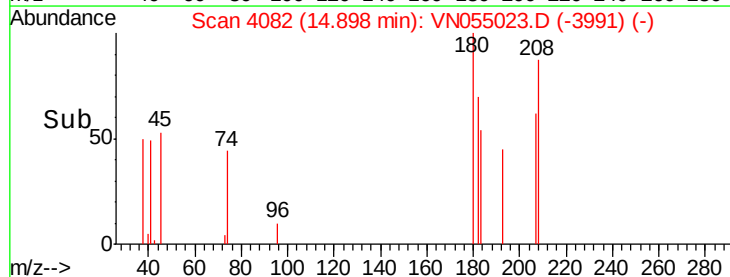
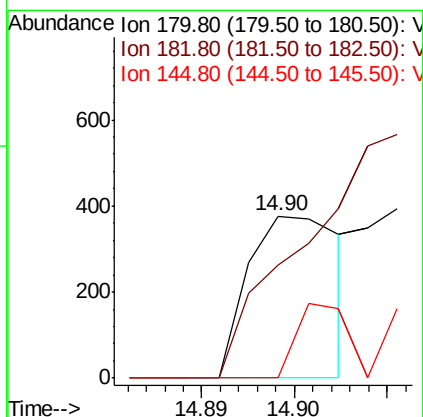
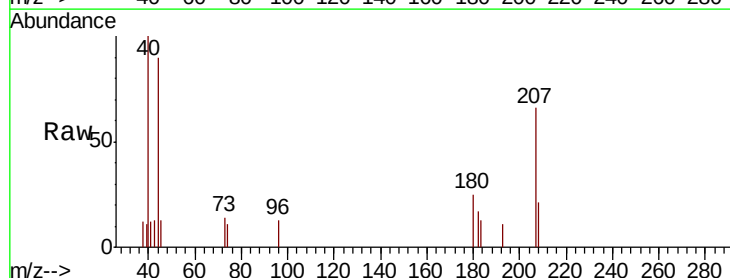
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

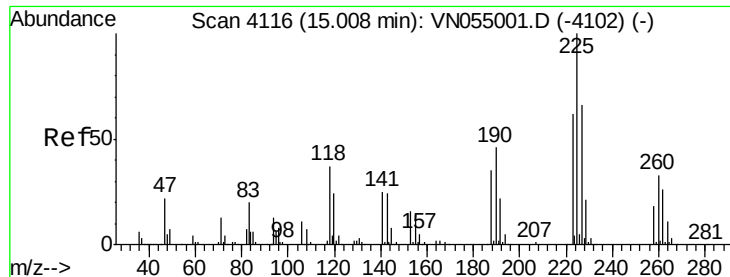
Tot Ion: 75 Resp: 157140
Ion Ratio Lower Upper
75 100
53 0.0 96.3 144.5#
89 0.0 38.6 57.8#



#93
1,2,4-Trichlorobenzene
Concen: 3.594 ug/l
RT: 14.90 min Scan# 4082
Delta R.T. -0.01 min
Lab File: VN055023.D
Acq: 13 Apr 2019 12:16

Tgt Ion:180 Resp: 261
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.6#
145 24.5 14.2 42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0414WBL01

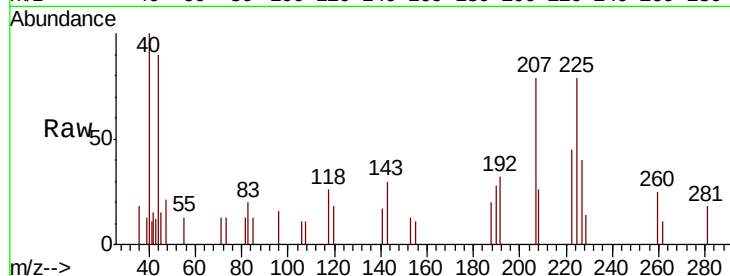
Tot Ion:225 Resp: 1609

Ion Ratio Lower Upper

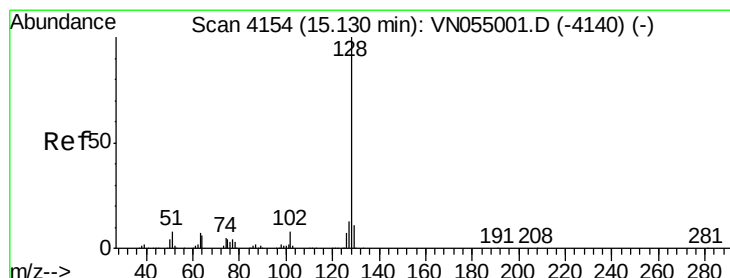
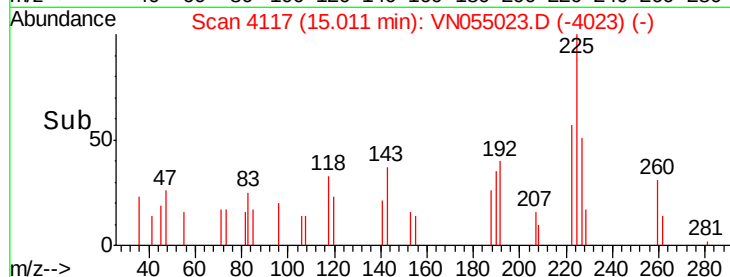
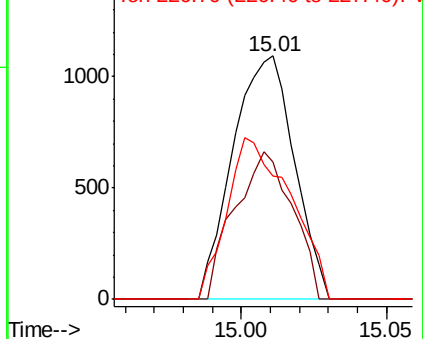
225 100

223 57.3 31.4 94.0

227 69.0 32.6 97.7



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: 4.926 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055023.D

Acq: 13 Apr 2019 12:16

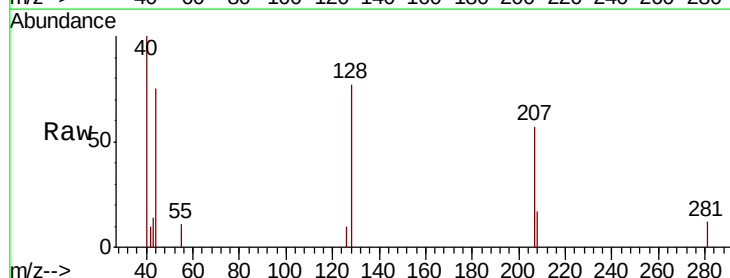
Tgt Ion:128 Resp: 2487

Ion Ratio Lower Upper

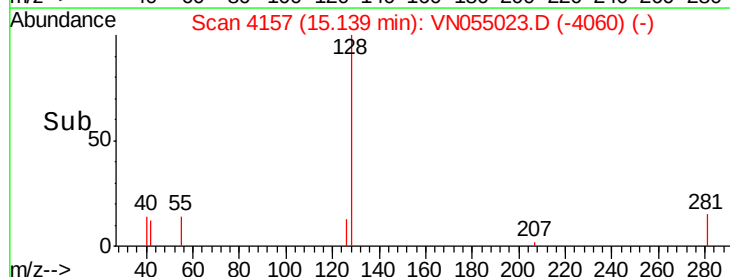
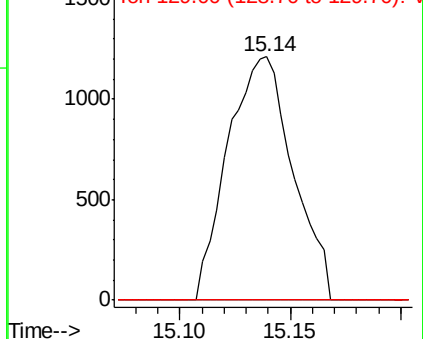
128 100

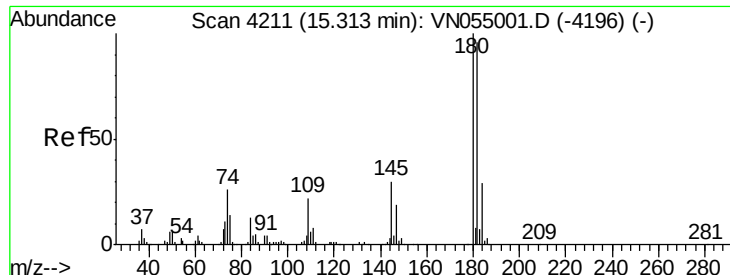
127 0.0 10.1 15.1#

129 0.0 8.8 13.2#



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: 0.341 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055023.D
 Acq: 13 Apr 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	48.4	48.0	144.0
145	35.0	15.3	45.9

