

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012051.D
 Acq On : 04 Sep 2019 14:52
 Operator : SY/SP
 Sample : K4546-15
 Misc : 5.10g/5.0mL/MSVOA X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:40:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	287810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111058	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.48	113	85976	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	336944	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.14	95	127543	42.23	ug/l	0.00
Spiked Amount			Recovery	=	84.46%	

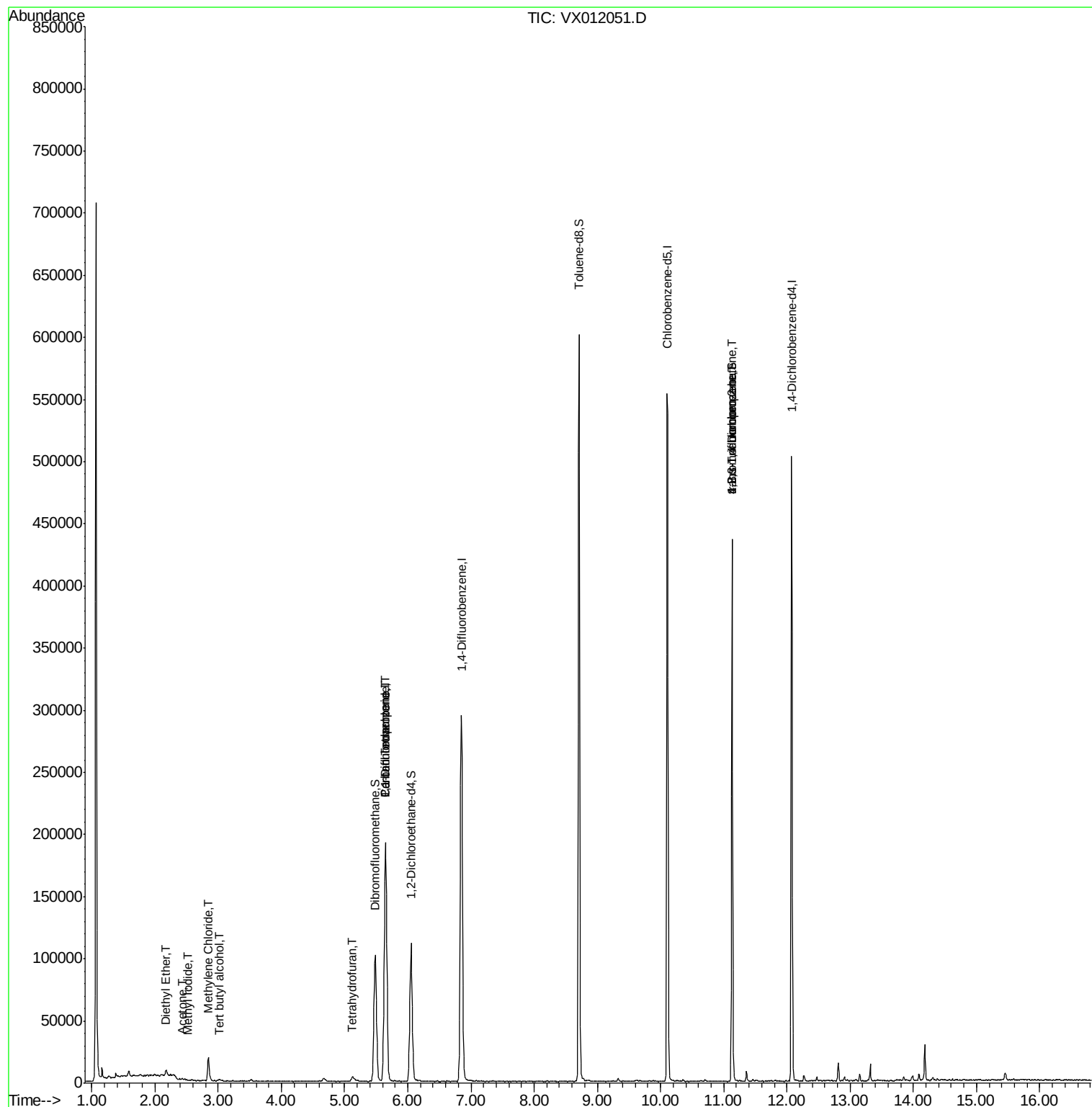
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1300	1.670	ug/l	83
10) Methyl Iodide	2.52	142	41	7.009	ug/l #	40
11) Tert butyl alcohol	3.01	59	1577	7.291	ug/l #	93
13) Acrolein	2.27	56	78	Below Cal	#	12
16) Acetone	2.44	43	1980	3.678	ug/l	97
20) Methylene Chloride	2.84	84	8900	4.118	ug/l #	94
29) Tetrahydrofuran	5.12	42	3880	9.399	ug/l	96
36) 1,1-Dichloropropene	5.65	75	14700	5.799	ug/l #	49
38) Carbon Tetrachloride	5.64	117	19246	7.205	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	64132	57.787	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	64132	136.617	ug/l #	10

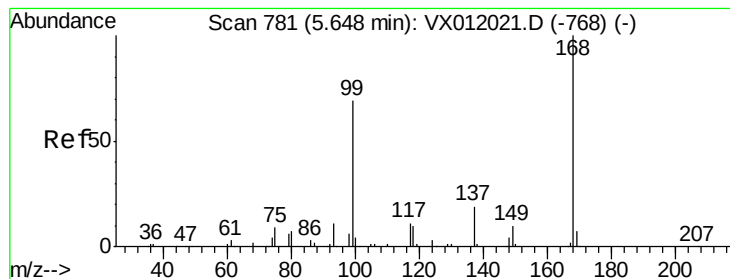
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012051.D

Acq: 04 Sep 2019 14:52

Instrument :

BNA_G

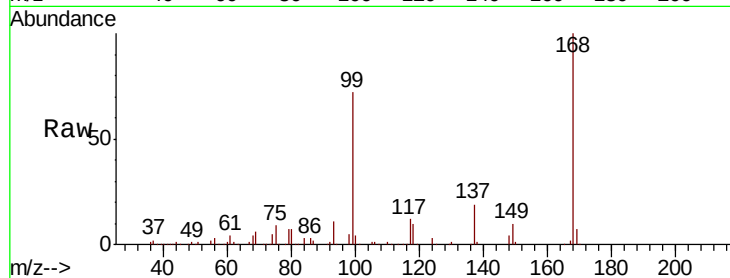
ClientSampled :

Tot Ion:168 Resp: 163208

Ion Ratio Lower Upper

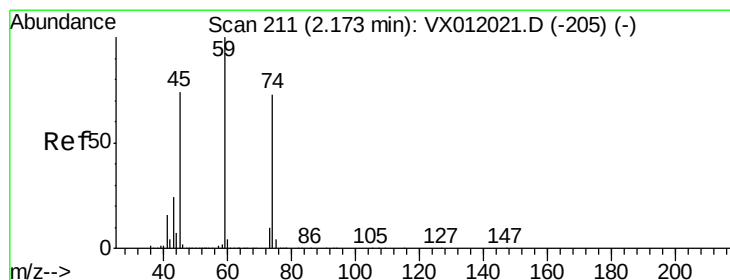
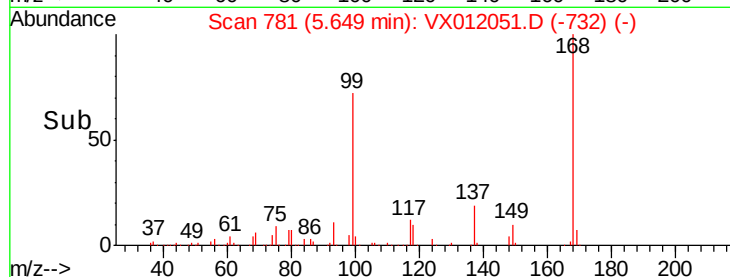
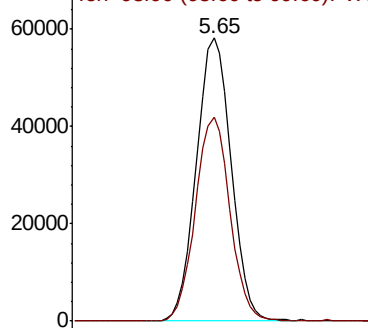
168 100

99 72.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.670 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012051.D

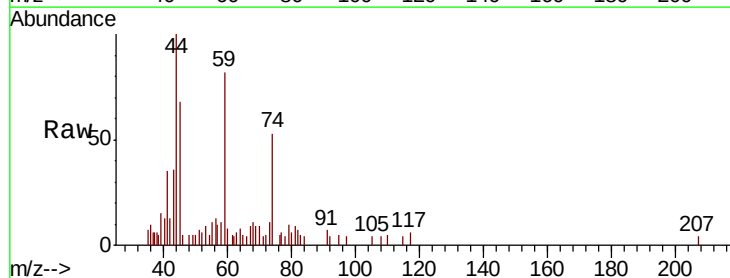
Acq: 04 Sep 2019 14:52

Tgt Ion: 74 Resp: 1300

Ion Ratio Lower Upper

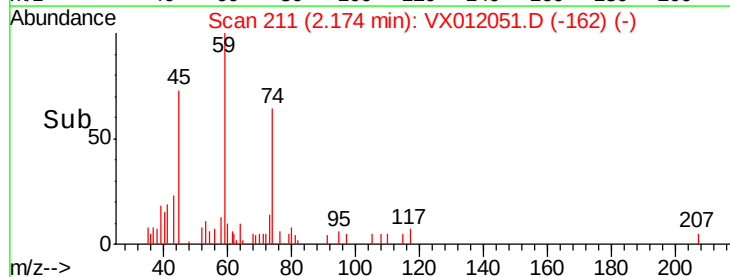
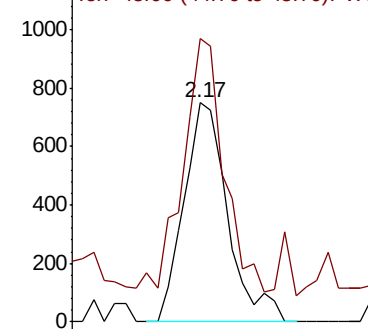
74 100

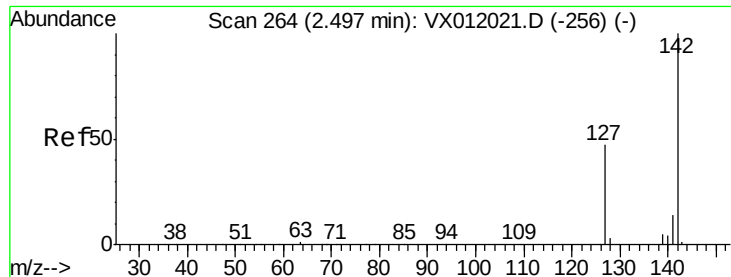
45 107.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

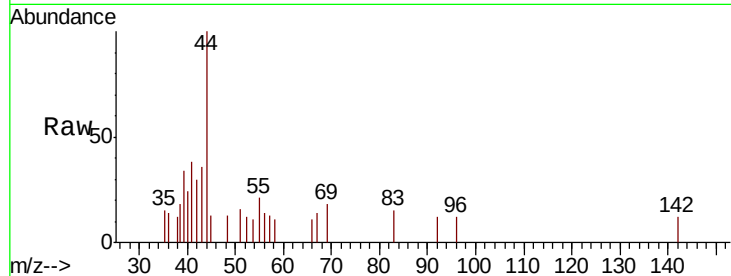




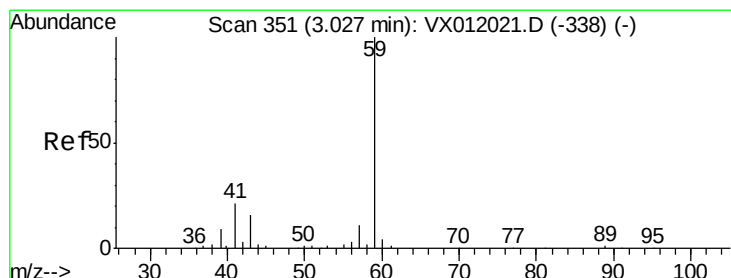
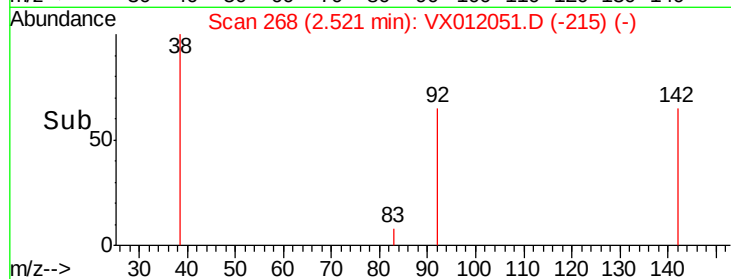
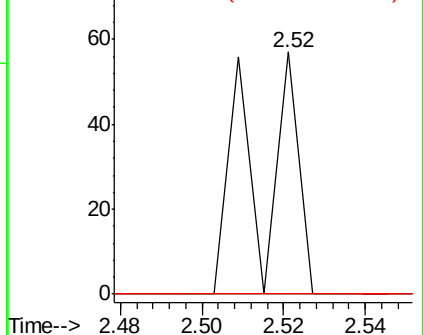
#10
Methyl Iodide
Concen: 7.009 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.03 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 41
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

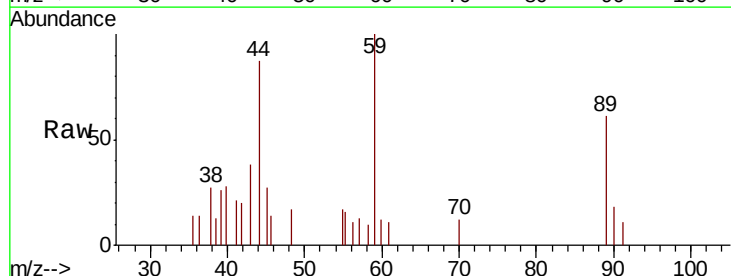


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

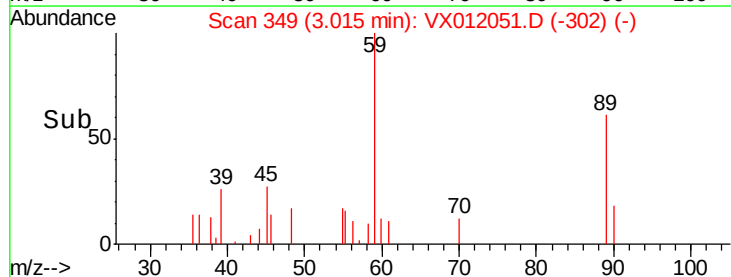
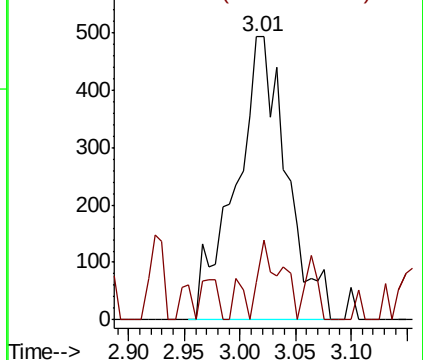


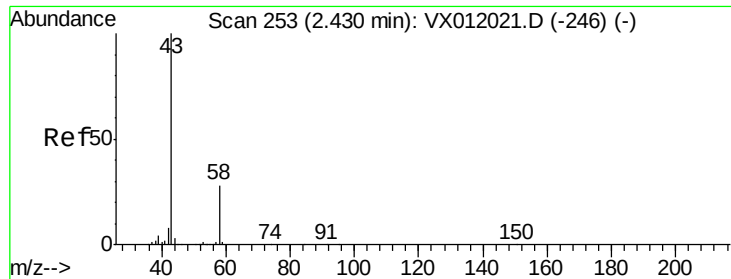
#11
Tert butyl alcohol
Concen: 7.291 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Tgt Ion: 59 Resp: 1577
Ion Ratio Lower Upper
59 100
57 12.4 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.678 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012051.D

Acq: 04 Sep 2019 14:52

Instrument :

BNA_G

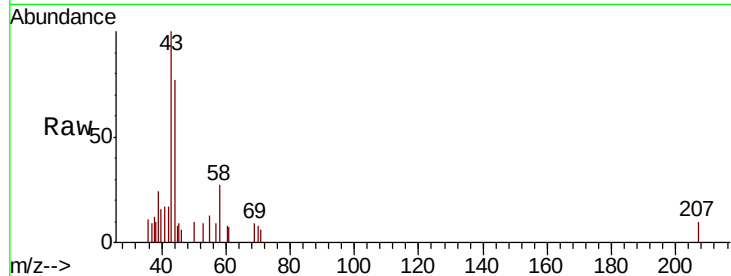
ClientSampleId :

Tot Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

58 26.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

800

600

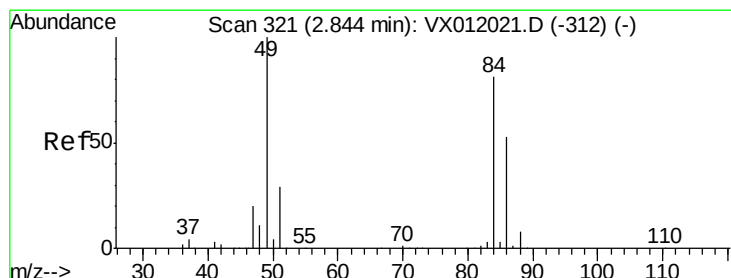
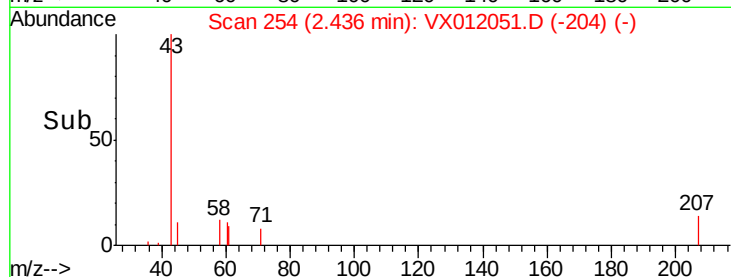
400

200

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 4.118 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012051.D

Acq: 04 Sep 2019 14:52

Tgt Ion: 84 Resp: 8900

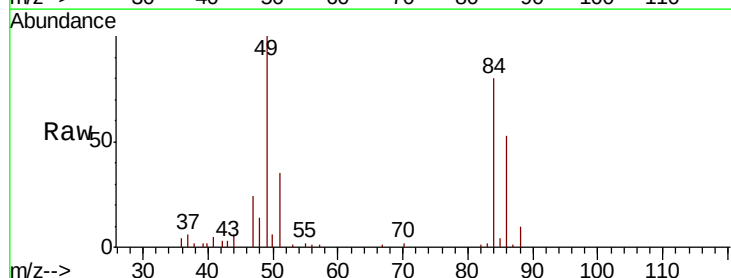
Ion Ratio Lower Upper

84 100

49 124.8 95.8 143.8

51 44.3 28.6 43.0#

86 66.2 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

8000

6000

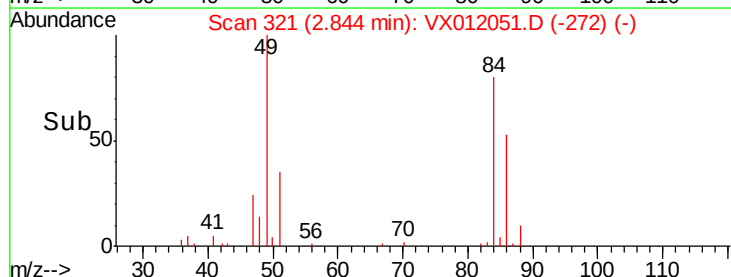
4000

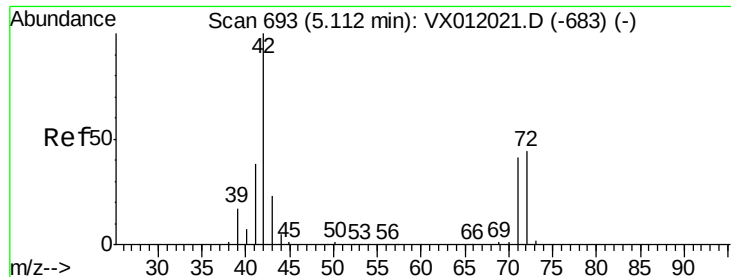
2000

0

2.75 2.80 2.85 2.90 2.95

Time-->

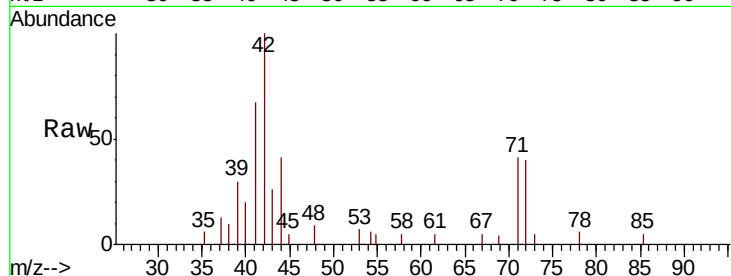




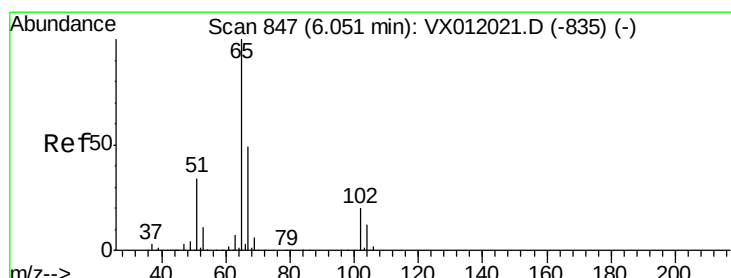
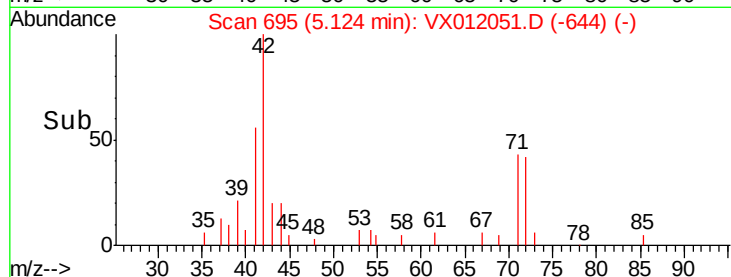
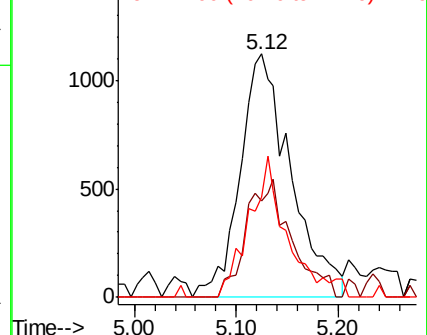
#29
Tetrahydrofuran
Concen: 9.399 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Instrument :
BNA_G
ClientSampled :

Tot Ion: 42 Resp: 3880
Ion Ratio Lower Upper
42 100
72 42.9 37.0 55.4
71 44.0 33.8 50.8

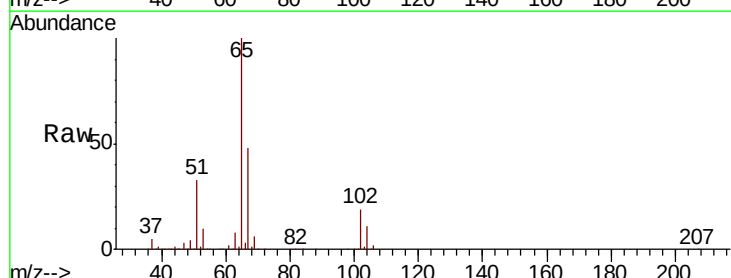


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

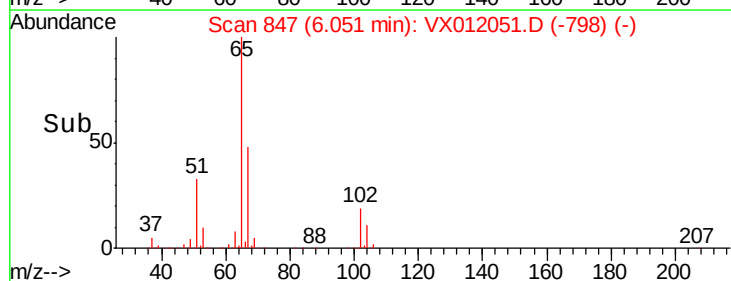
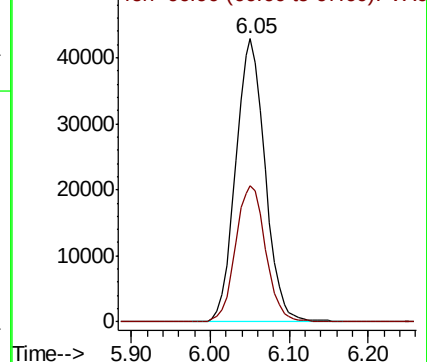


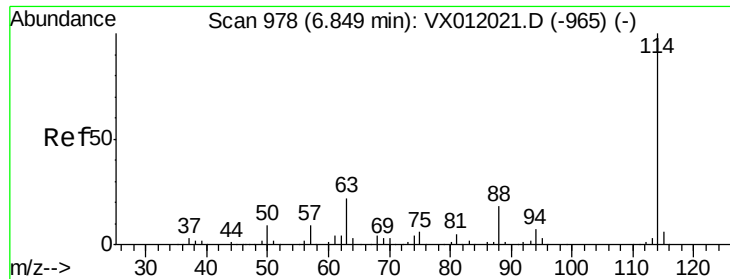
#33
1,2-Dichloroethane-d4
Concen: 49.316 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Tgt Ion: 65 Resp: 111058
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

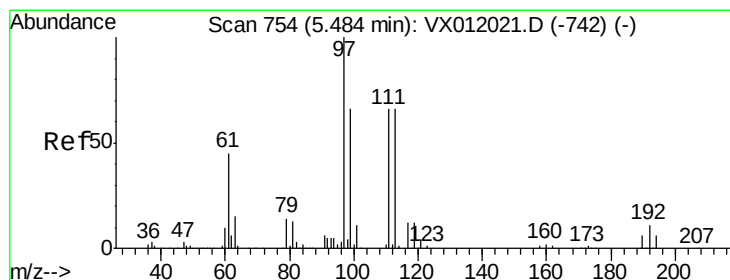
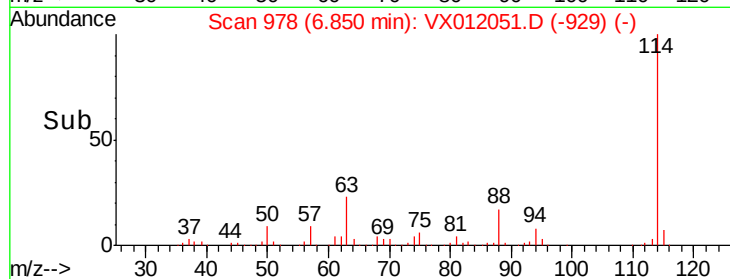
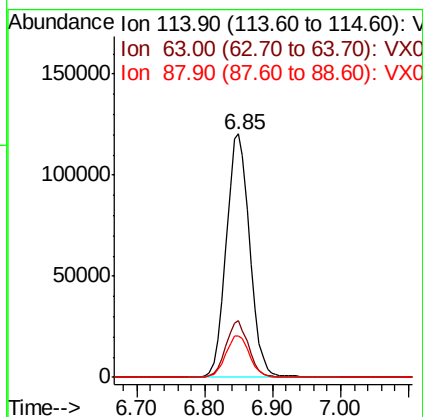
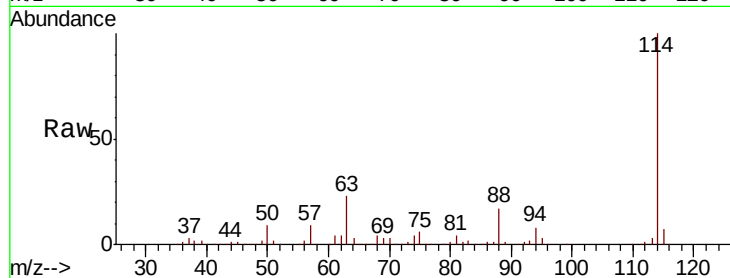




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012051.D
 Acq: 04 Sep 2019 14:52

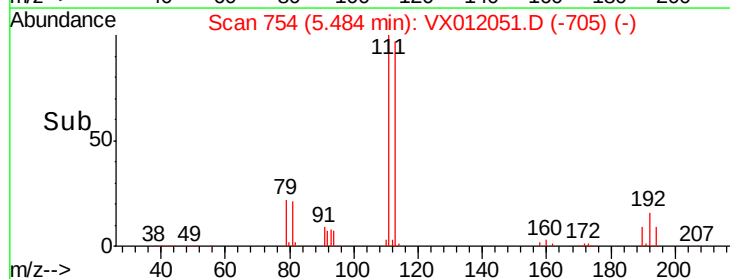
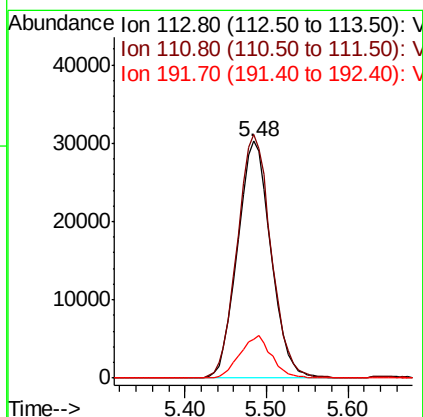
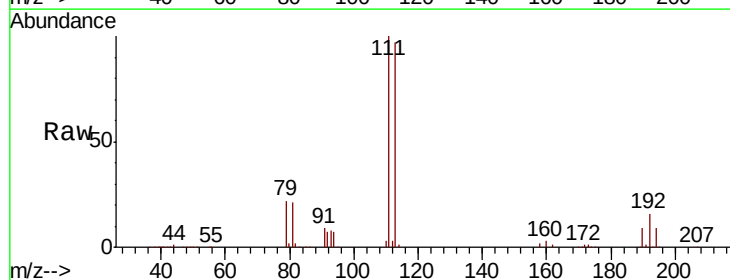
Instrument :
 BNA_G
 ClientSampleId :

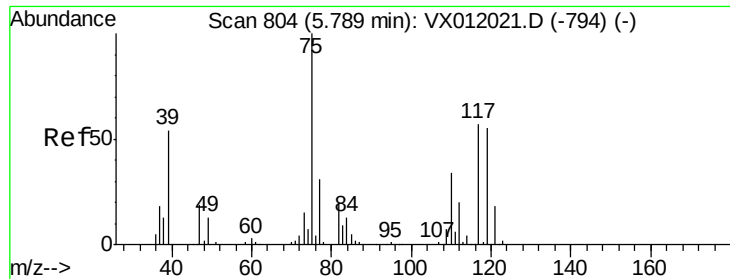
Tot Ion:114 Resp: 287810
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 37.4
 88 17.2 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 48.575 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012051.D
 Acq: 04 Sep 2019 14:52

Tgt Ion:113 Resp: 85976
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.7 122.5
 192 17.1 22.5 33.7#

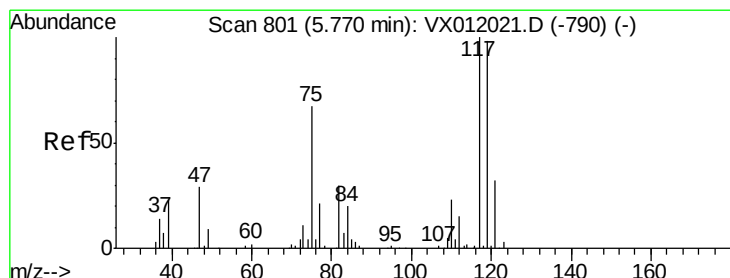
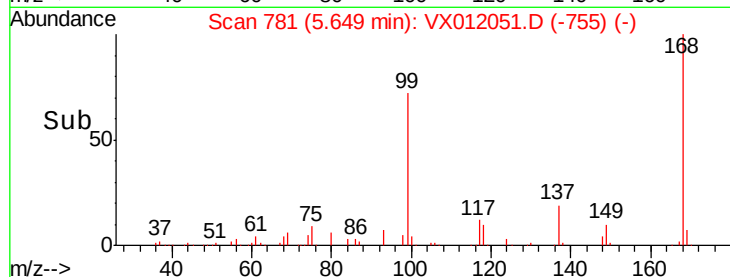
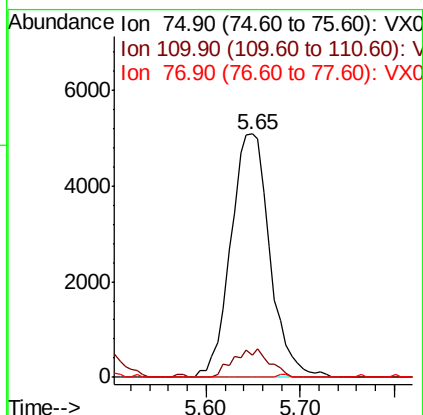
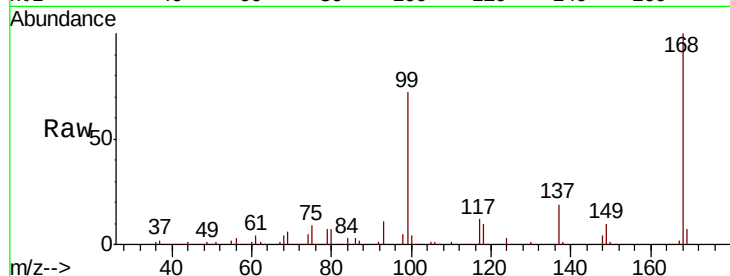




#36
 1,1-Dichloropropene
 Concen: 5.799 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012051.D
 Acq: 04 Sep 2019 14:52

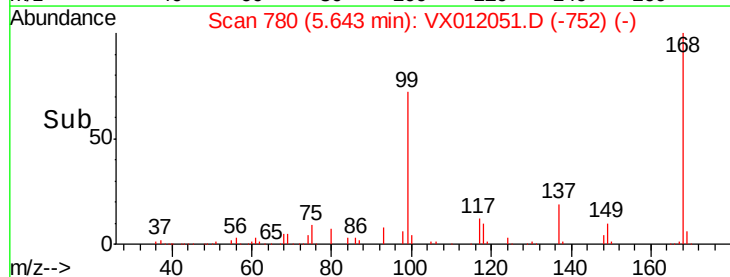
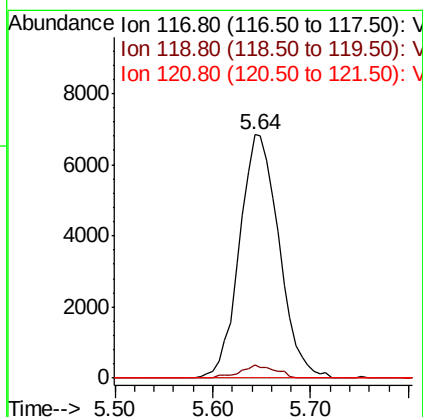
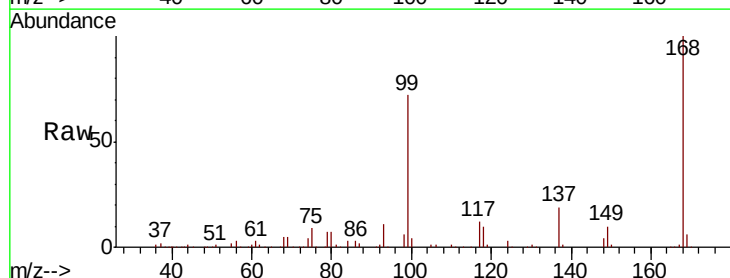
Instrument :
 BNA_G
 ClientSampleId :

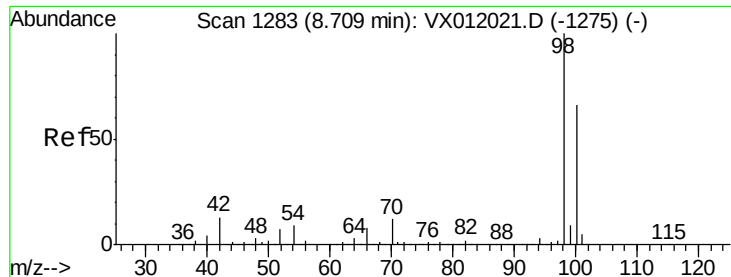
Tot Ion	75	Resp	14700
Ion Ratio	Lower	Upper	
75	100		
110	10.8	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 7.205 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012051.D
 Acq: 04 Sep 2019 14:52

Tgt Ion	117	Resp	19246
Ion Ratio	Lower	Upper	
117	100		
119	5.4	78.3	117.5#
121	0.0	24.2	36.2#

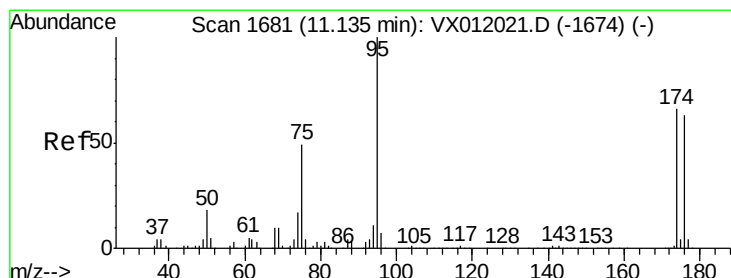
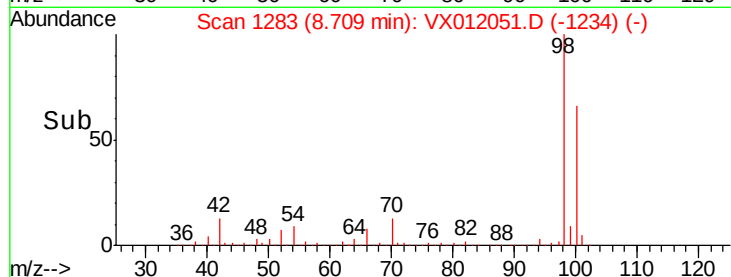
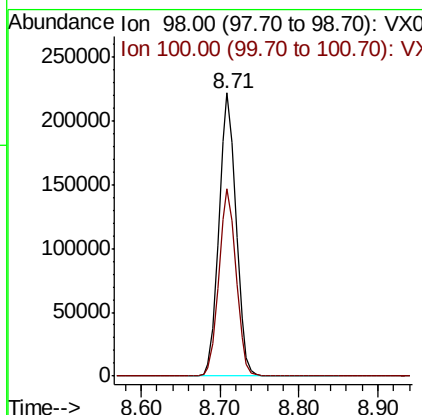
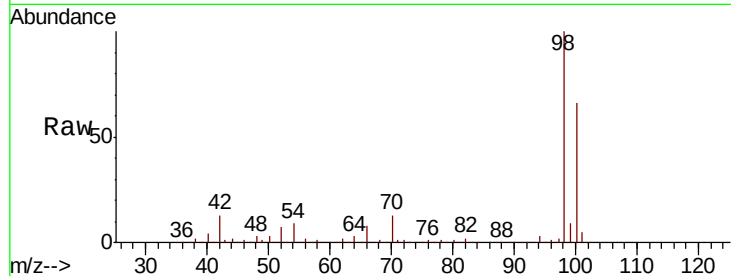




#50
Toluene-d8
Concen: 51.878 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

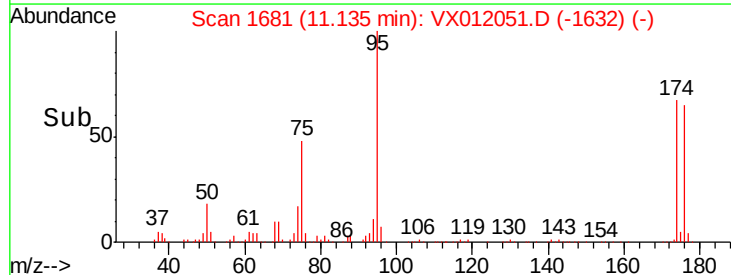
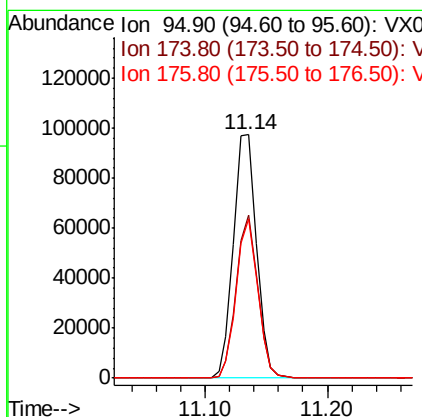
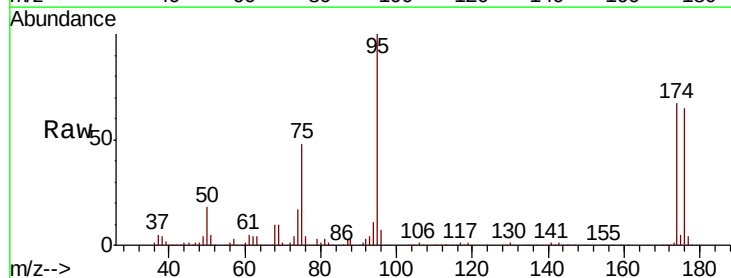
Instrument :
BNA_G
ClientSampled :

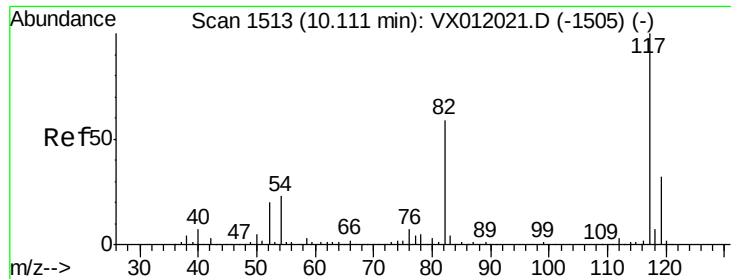
Tot Ion: 98 Resp: 336944
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.226 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Tgt Ion: 95 Resp: 127543
Ion Ratio Lower Upper
95 100
174 62.5 0.0 205.4
176 60.9 0.0 201.8

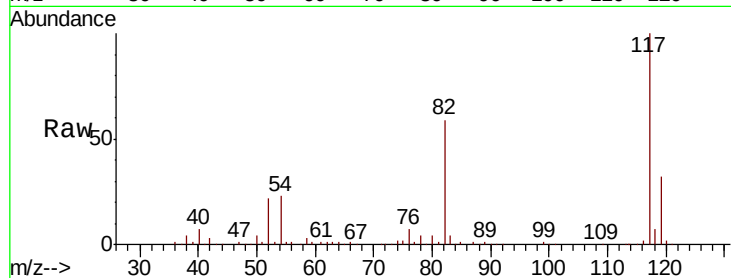




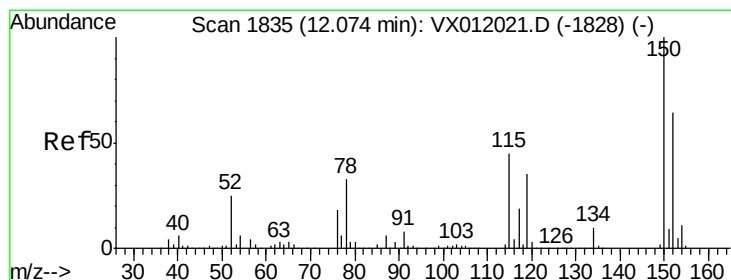
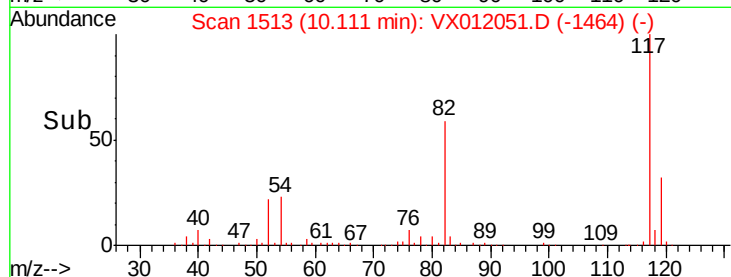
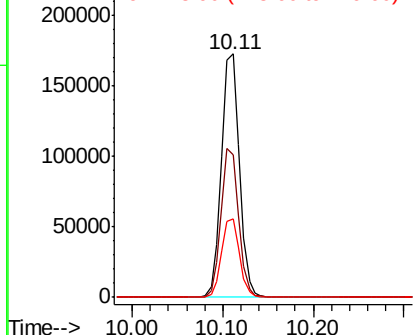
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:117 Resp: 240737
Ion Ratio Lower Upper
117 100
82 58.7 39.4 59.0
119 32.1 26.1 39.1

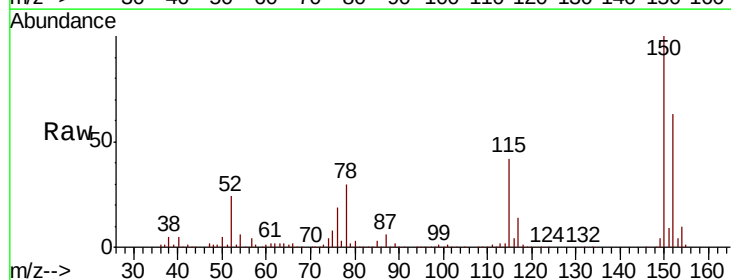


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

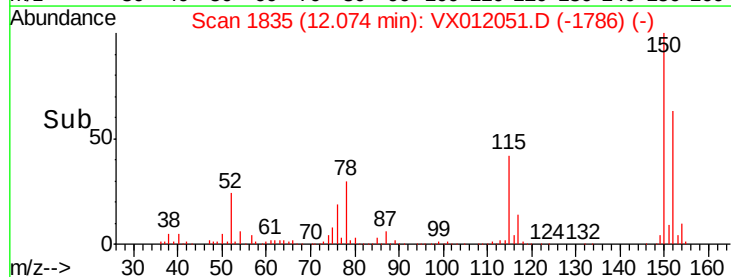
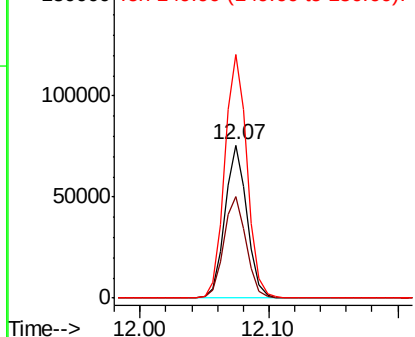


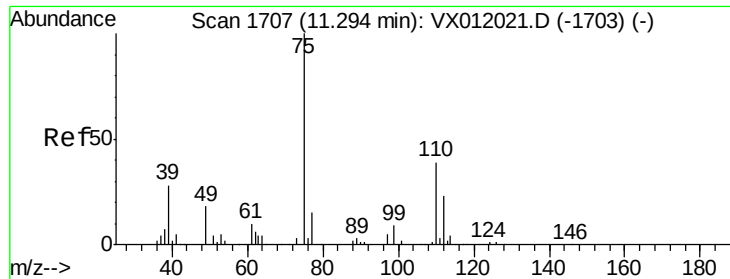
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012051.D
Acq: 04 Sep 2019 14:52

Tgt Ion:152 Resp: 90830
Ion Ratio Lower Upper
152 100
115 67.8 36.4 109.3
150 162.7 0.0 341.2



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: 57.787 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012051.D

Acq: 04 Sep 2019 14:52

Instrument :

BNA_G

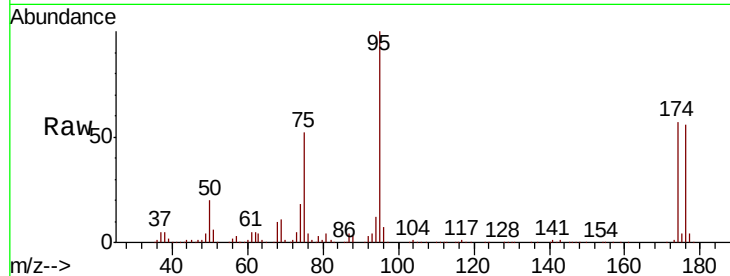
ClientSampleId :

Tot Ion: 75 Resp: 64132

Ion Ratio Lower Upper

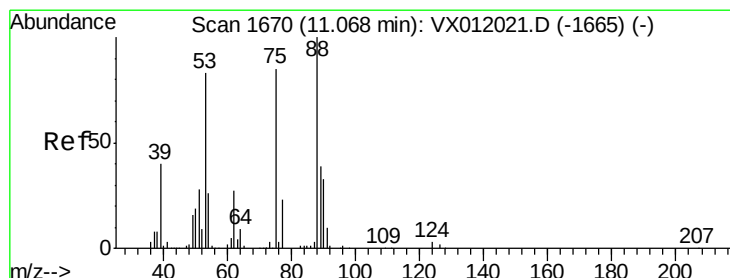
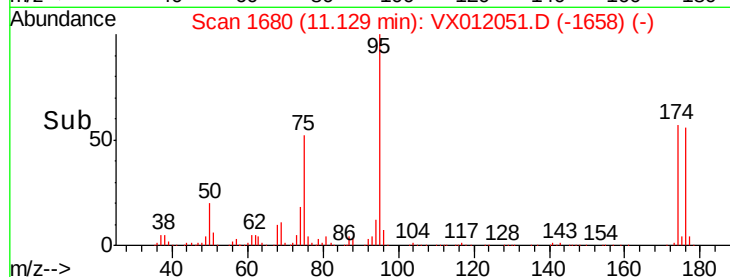
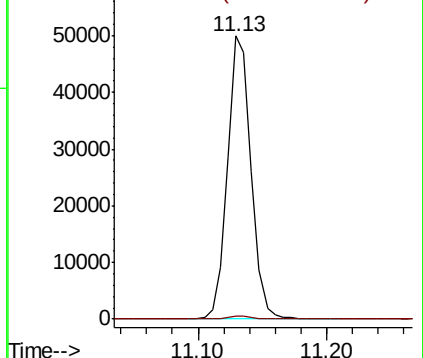
75 100

77 1.3 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 136.617 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012051.D

Acq: 04 Sep 2019 14:52

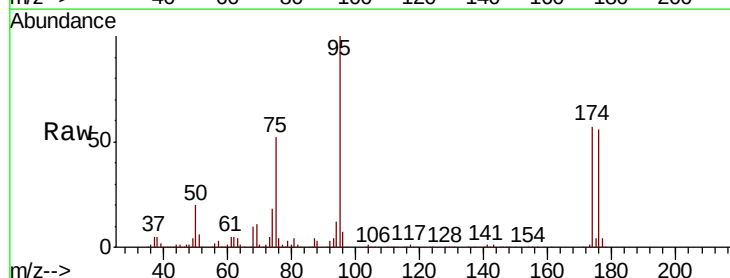
Tgt Ion: 75 Resp: 64132

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

