

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012320.D
 Acq On : 12 Sep 2019 00:25
 Operator : SY/SP
 Sample : K4789-15
 Misc : 4.69g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200029

Quant Time: Sep 12 05:44:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	166796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284498	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119883	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	111531	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
35) Dibromofluoromethane	5.48	113	82380	45.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.34%	
50) Toluene-d8	8.71	98	333912	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	134936	45.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.00%	

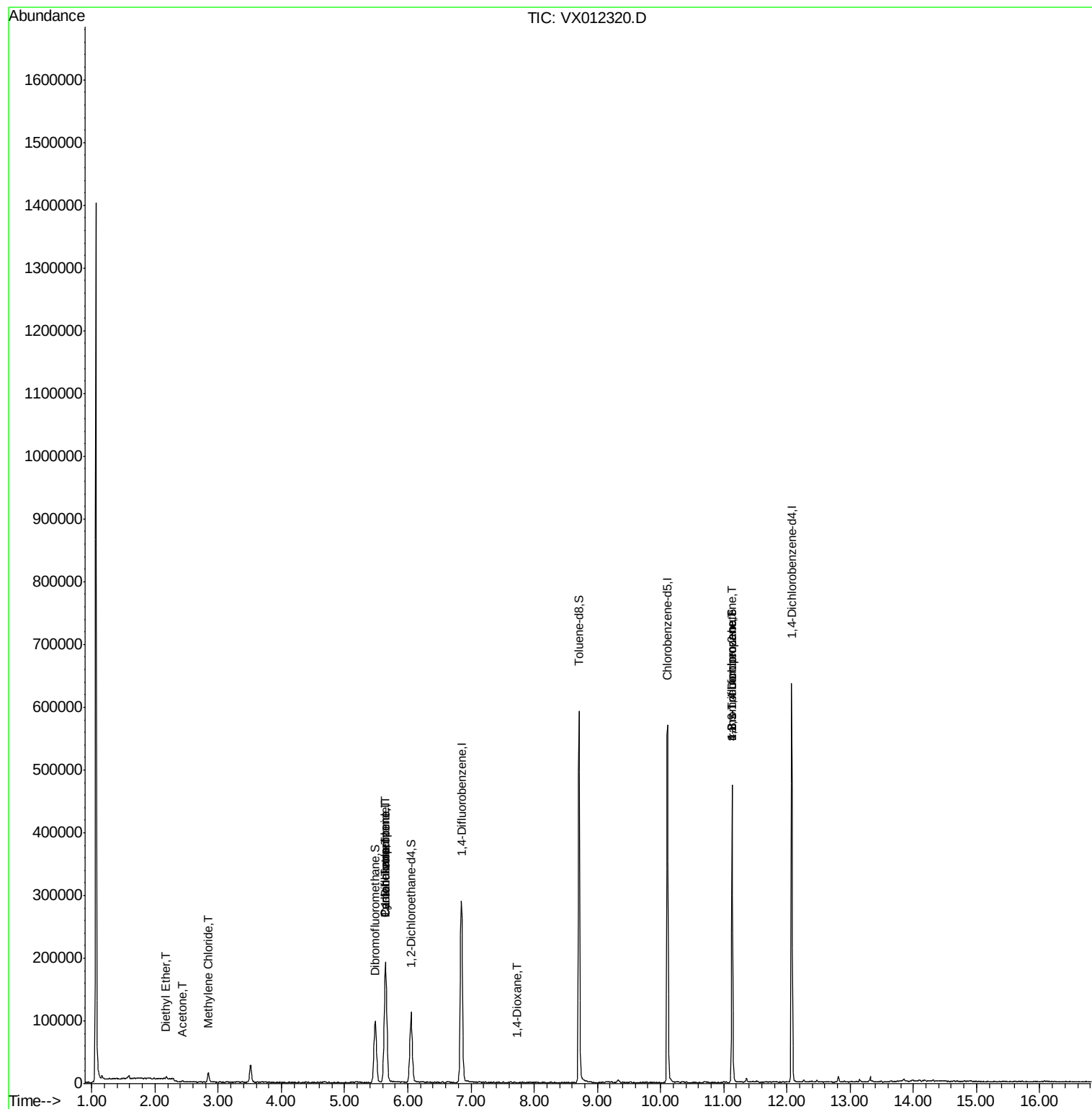
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	313	Below Cal	#	45
8) Diethyl Ether	2.17	74	1087	1.444	ug/l	94
11) Tert butyl alcohol	3.05	59	619	Below Cal	#	86
16) Acetone	2.43	43	1878	3.364	ug/l	94
20) Methylene Chloride	2.84	84	6337	1.059	ug/l	97
31) Cyclohexane	5.64	56	4598	2.100	ug/l #	5
36) 1,1-Dichloropropene	5.64	75	14999	7.230	ug/l #	53
38) Carbon Tetrachloride	5.64	117	18939	7.781	ug/l #	15
49) 1,4-Dioxane	7.73	88	44	2.520	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69750	45.290	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	69750	135.699	ug/l #	5

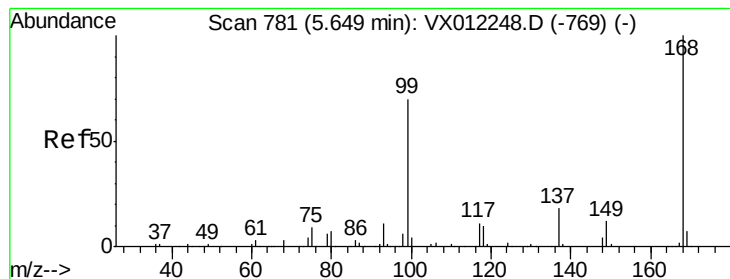
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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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: VX012320.D

Acq: 12 Sep 2019 00:25

Instrument :

MSVOA_X

ClientSampleId :

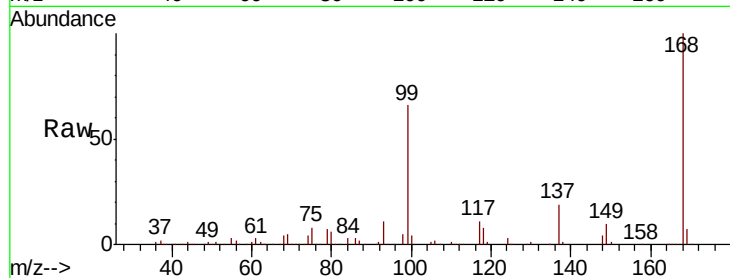
RBR200029

Tgt Ion: 168 Resp: 166796

Ion Ratio Lower Upper

168 100

99 66.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

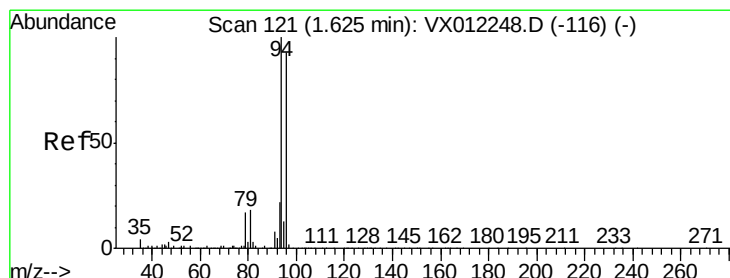
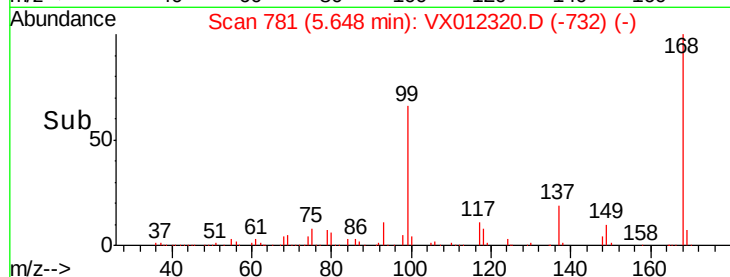
40000

20000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012320.D

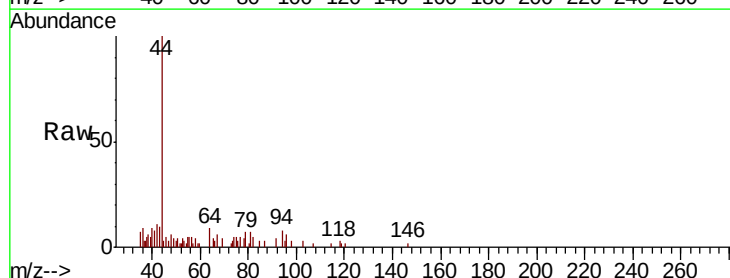
Acq: 12 Sep 2019 00:25

Tgt Ion: 94 Resp: 313

Ion Ratio Lower Upper

94 100

96 40.1 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

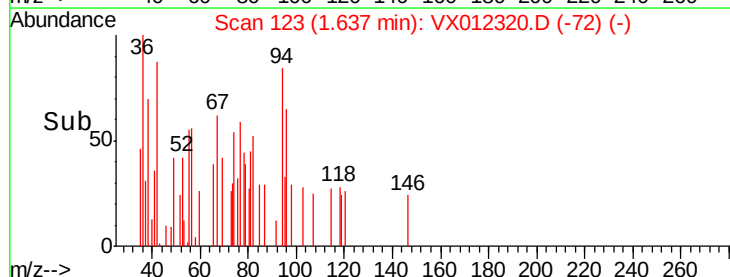
100

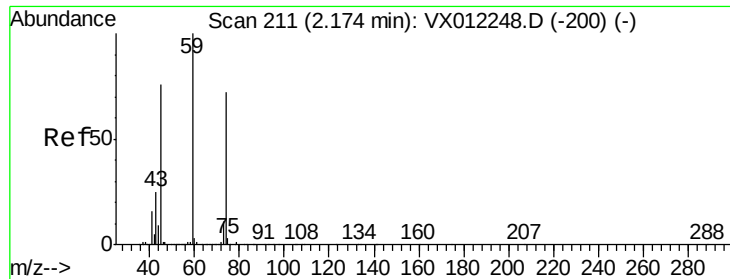
50

0

Time-->

1.60 1.65 1.70





#8

Diethyl Ether

Concen: 1.444 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

Instrument :

MSVOA_X

ClientSampled :

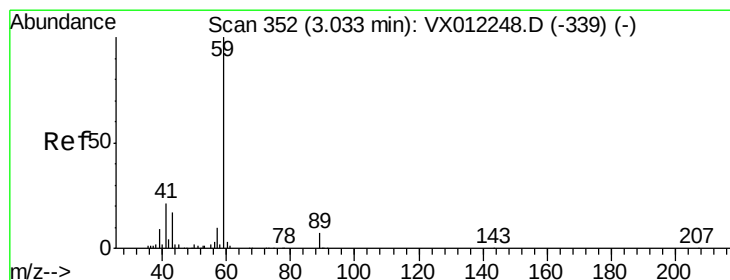
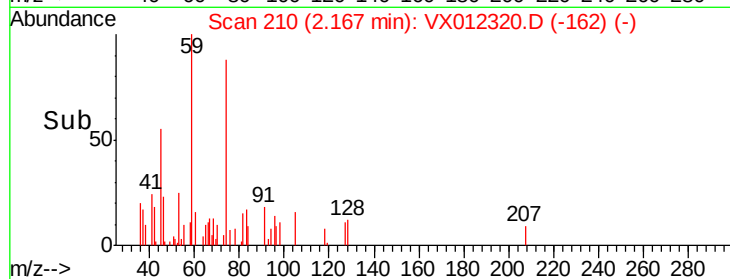
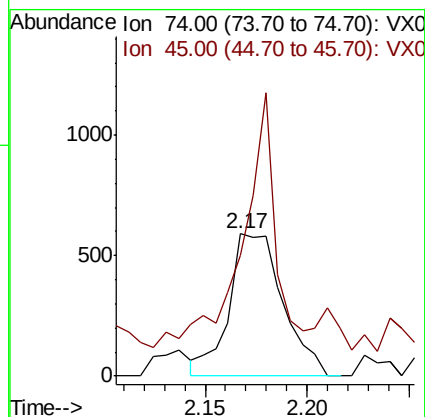
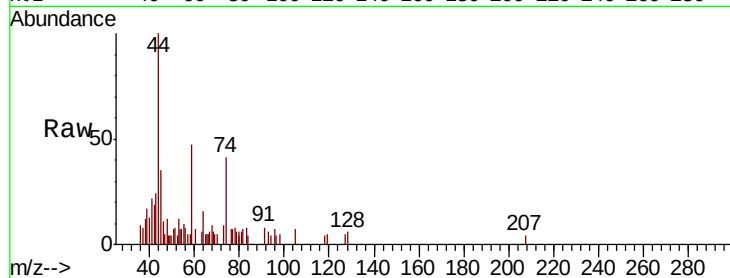
RBR200029

Tgt Ion: 74 Resp: 1087

Ion Ratio Lower Upper

74 100

45 108.2 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX012320.D

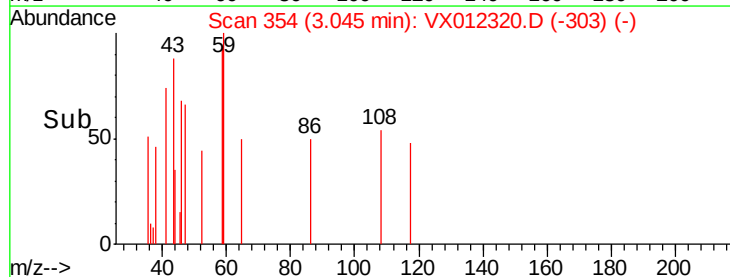
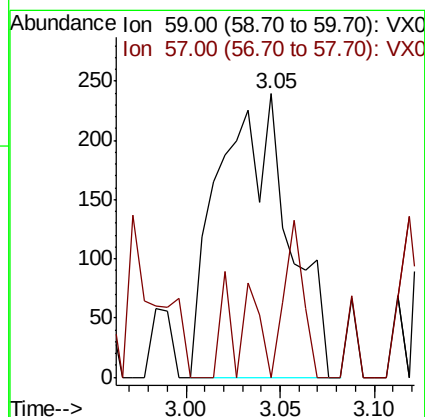
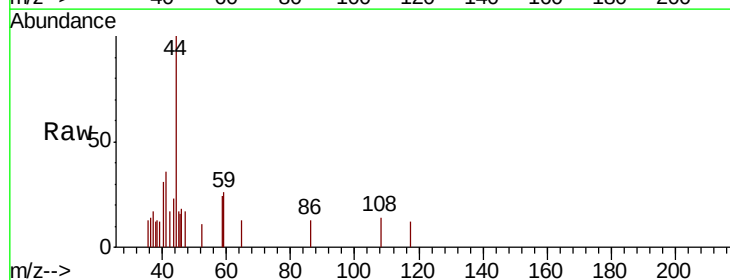
Acq: 12 Sep 2019 00:25

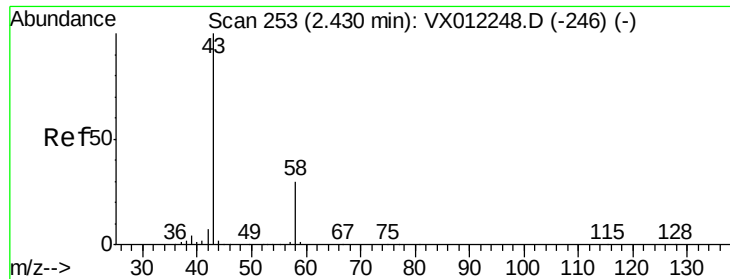
Tgt Ion: 59 Resp: 619

Ion Ratio Lower Upper

59 100

57 15.0 7.8 11.6#





#16

Acetone

Concen: 3.364 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

Instrument :

MSVOA_X

ClientSampled :

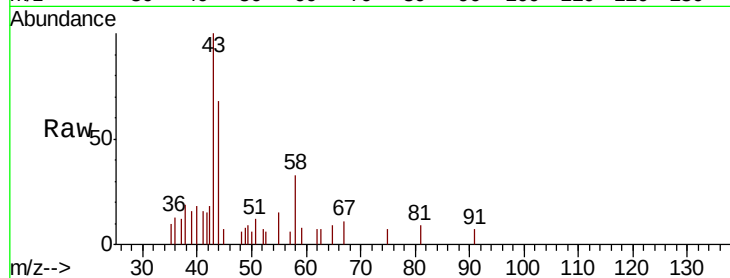
RBR200029

Tgt Ion: 43 Resp: 1878

Ion Ratio Lower Upper

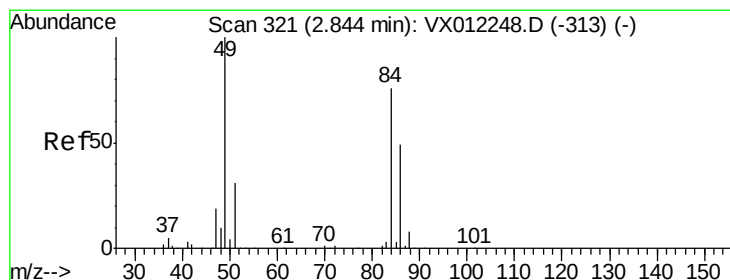
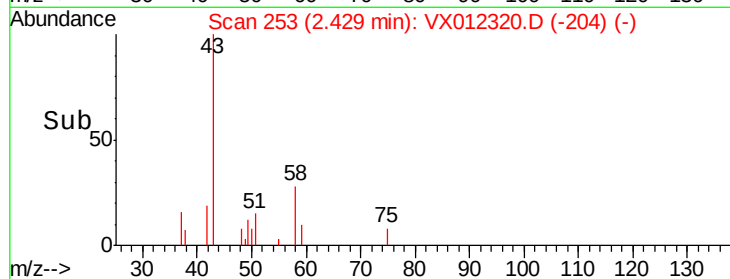
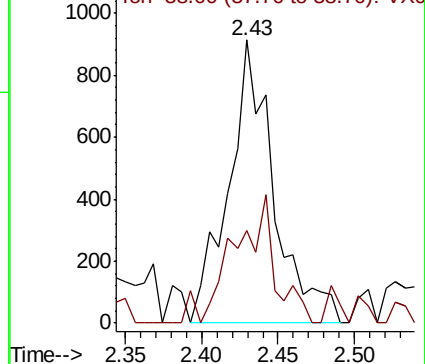
43 100

58 26.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.059 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

Tgt Ion: 84 Resp: 6337

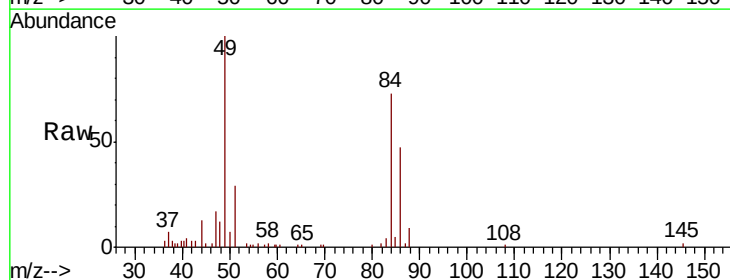
Ion Ratio Lower Upper

84 100

49 136.2 105.0 157.6

51 38.8 32.6 48.8

86 65.4 51.8 77.6

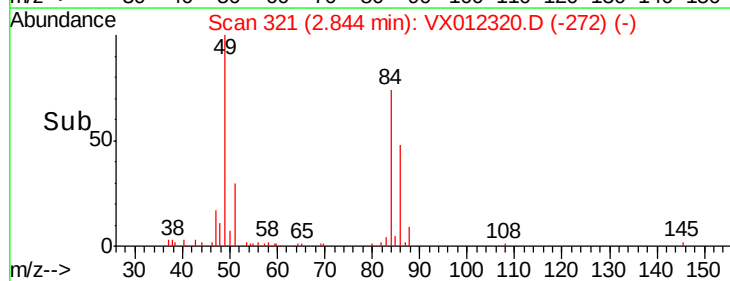
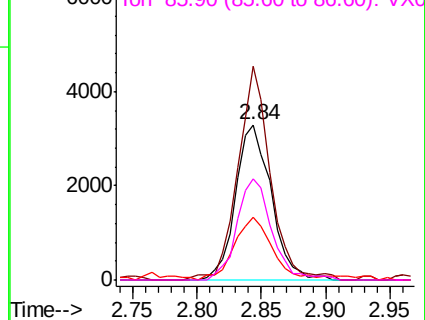


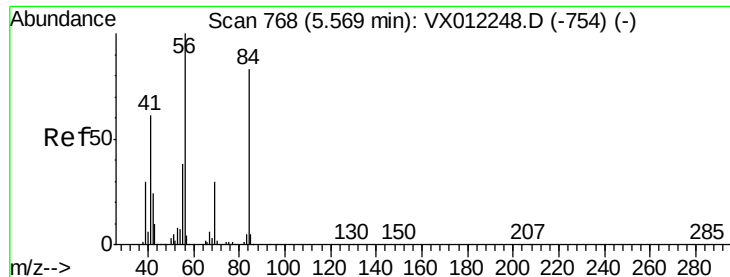
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

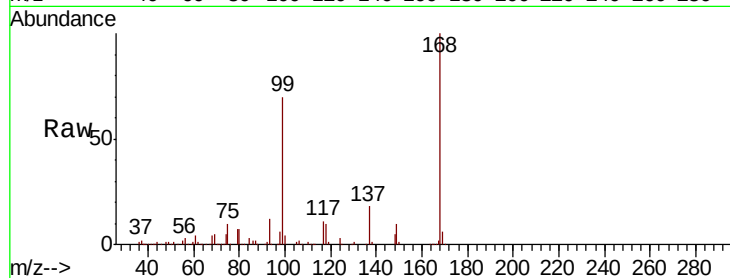




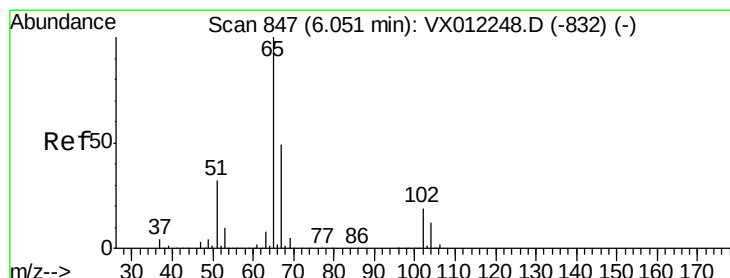
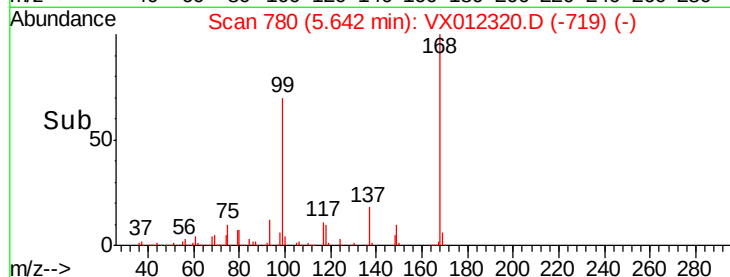
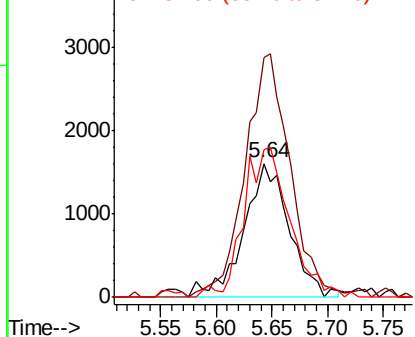
#31
Cyclohexane
Concen: 2.100 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012320.D
Acq: 12 Sep 2019 00:25

Instrument :
MSVOA_X
ClientSampleId :
RBR200029

Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 178.9 23.8 35.6#
84 110.3 66.6 100.0#

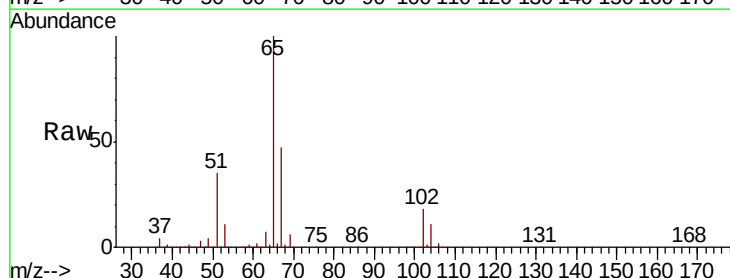


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

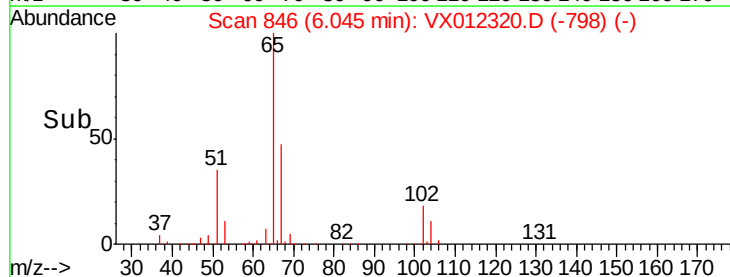
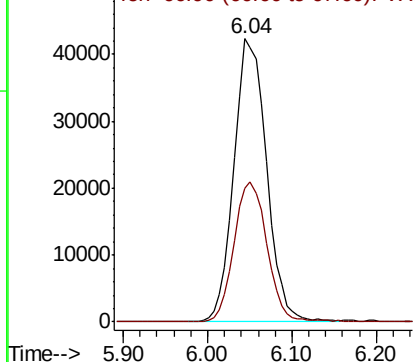


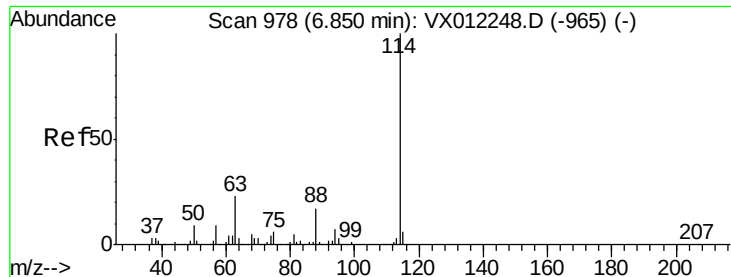
#33
1,2-Dichloroethane-d4
Concen: 47.296 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX012320.D
Acq: 12 Sep 2019 00:25

Tgt Ion: 65 Resp: 111531
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.8



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

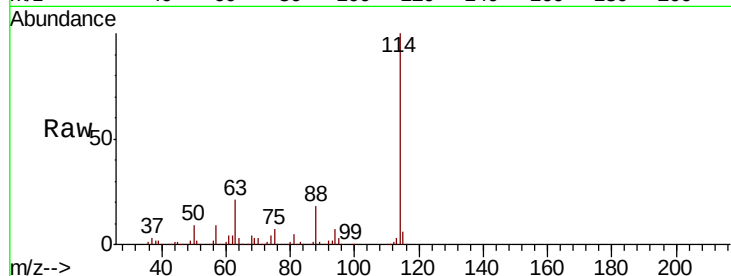




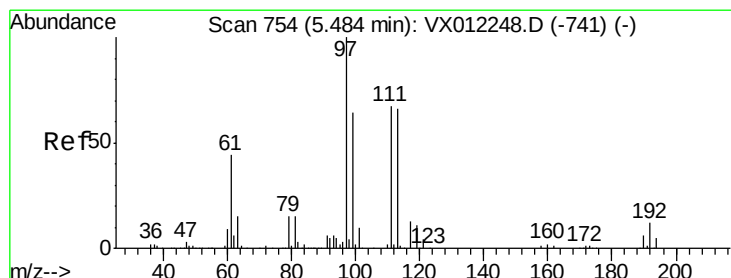
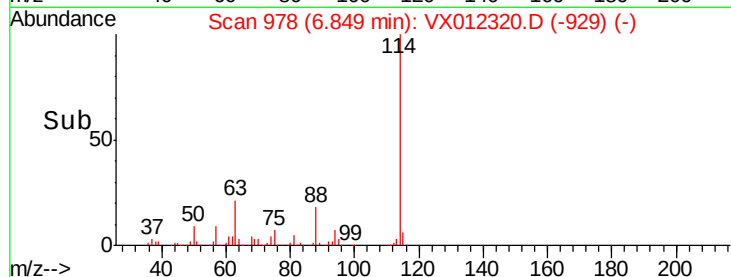
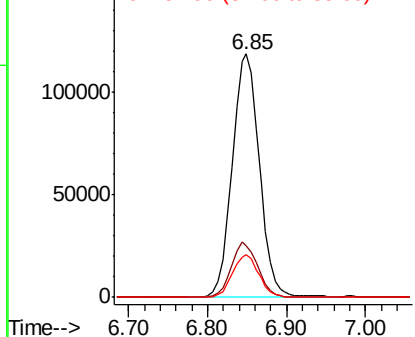
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200029

Tgt Ion:114 Resp: 284498
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 45.2
 88 17.6 0.0 34.8

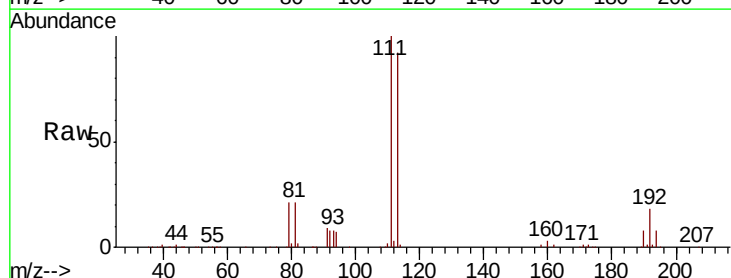


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

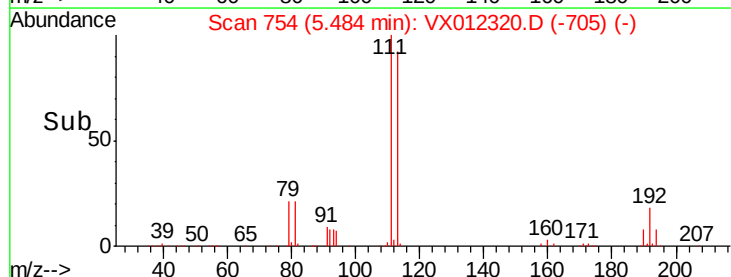
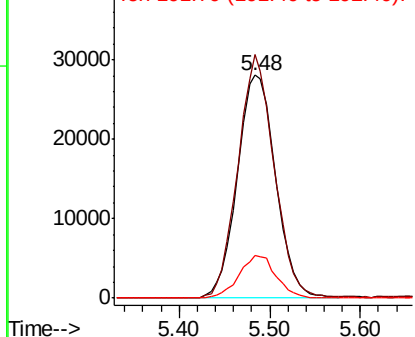


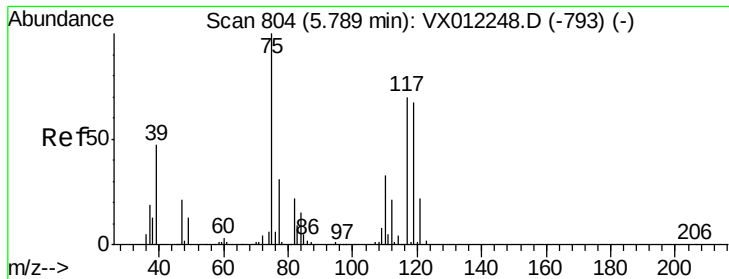
#35
 Dibromofluoromethane
 Concen: 45.170 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

Tgt Ion:113 Resp: 82380
 Ion Ratio Lower Upper
 113 100
 111 103.4 83.0 124.6
 192 18.4 14.3 21.5



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

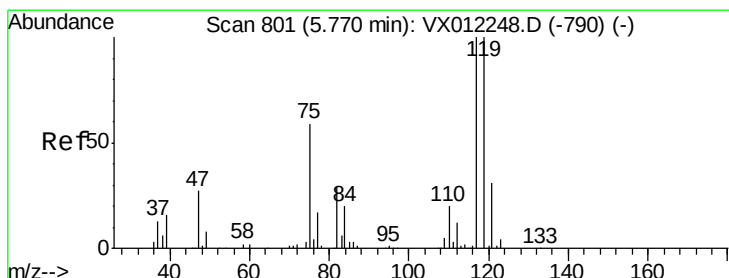
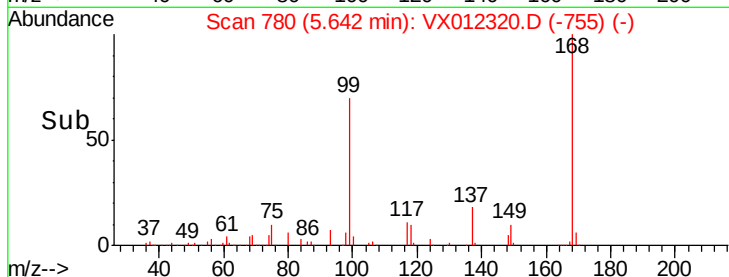
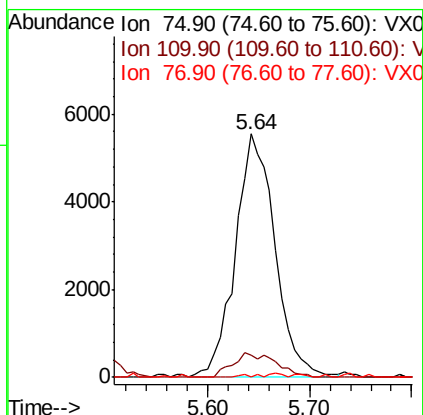
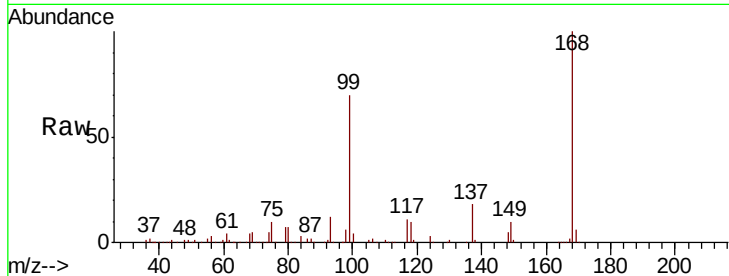




#36
 1,1-Dichloropropene
 Concen: 7.230 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

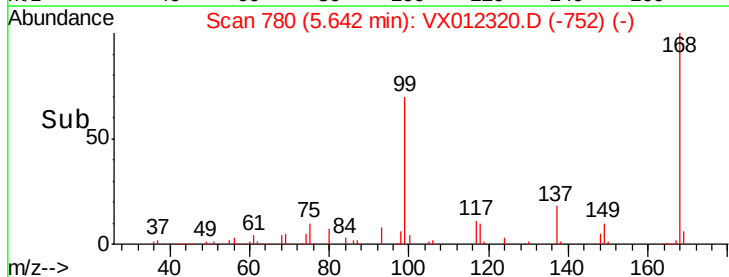
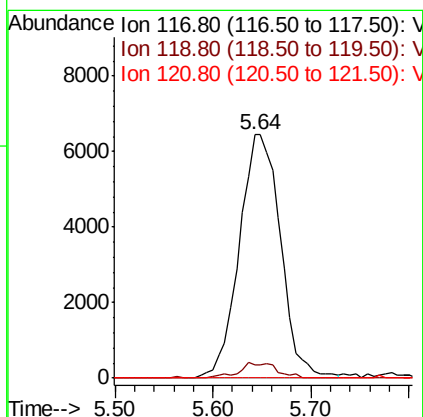
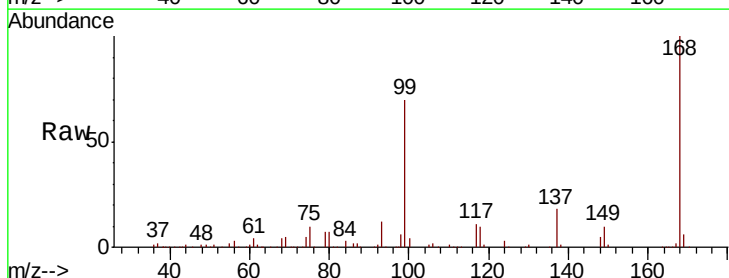
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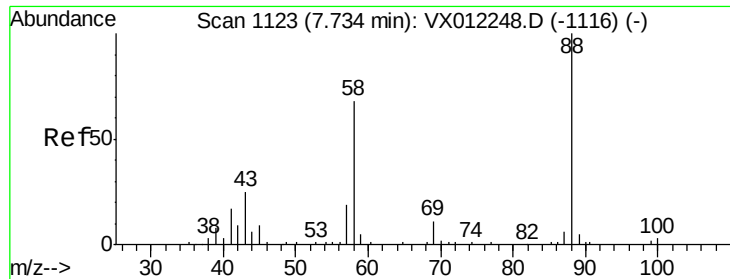
Tgt Ion: 75 Resp: 14999
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.3 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.781 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

Tgt Ion: 117 Resp: 18939
 Ion Ratio Lower Upper
 117 100
 119 5.4 79.6 119.4#
 121 0.0 24.7 37.1#

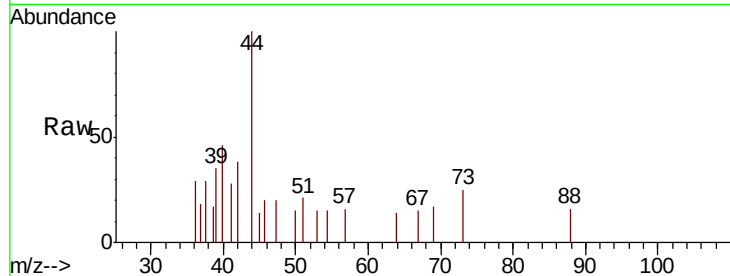




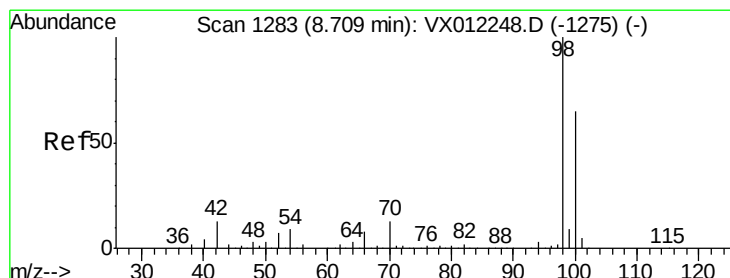
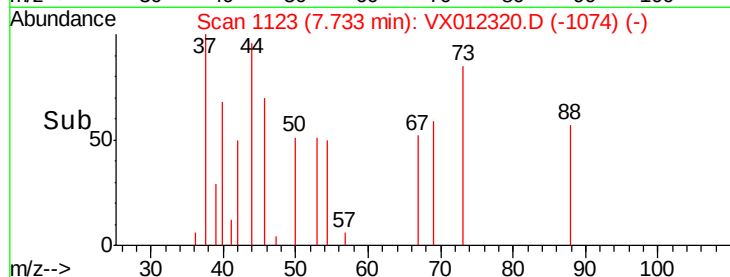
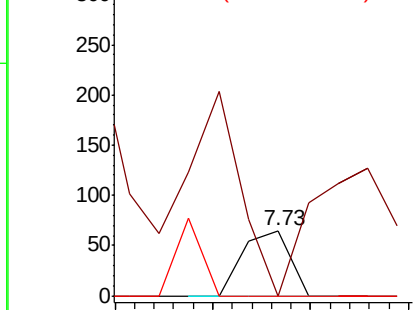
#49
1,4-Dioxane
Concen: 2.520 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012320.D
Acq: 12 Sep 2019 00:25

Instrument :
MSVOA_X
ClientSampled :
RBR200029

Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 545.5 31.0 46.4#
58 0.0 61.5 92.3#

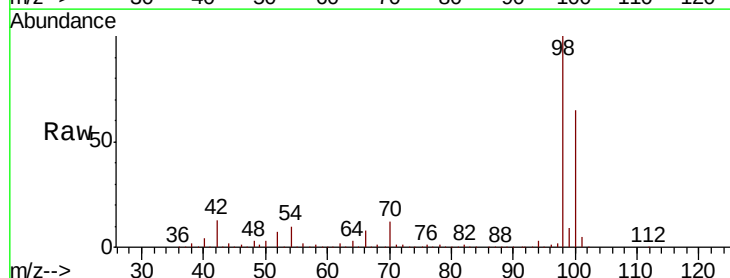


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

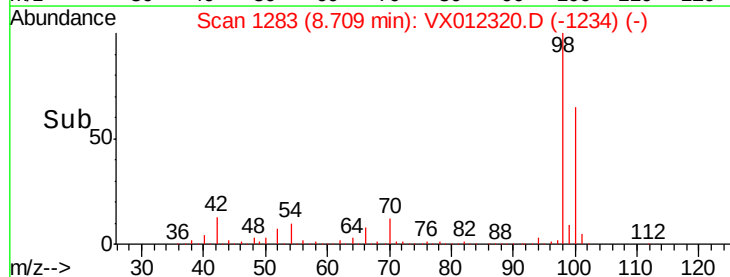
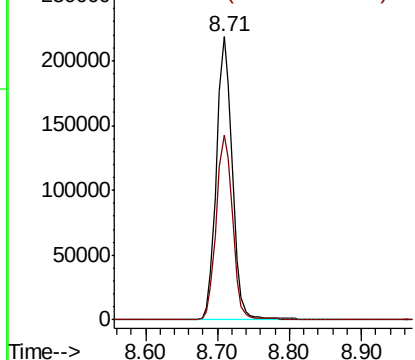


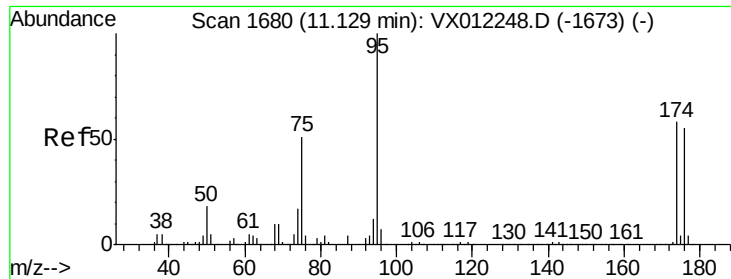
#50
Toluene-d8
Concen: 52.202 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012320.D
Acq: 12 Sep 2019 00:25

Tgt Ion: 98 Resp: 333912
Ion Ratio Lower Upper
98 100
100 67.3 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.503 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

Instrument :

MSVOA_X

ClientSampleId :

RBR200029

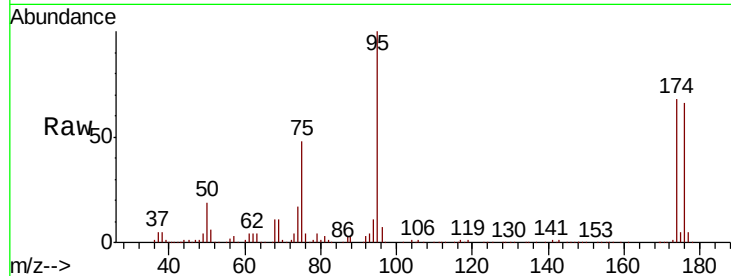
Tgt Ion: 95 Resp: 134936

Ion Ratio Lower Upper

95 100

174 66.2 0.0 127.0

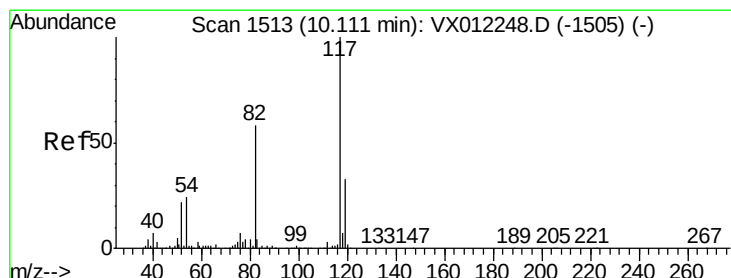
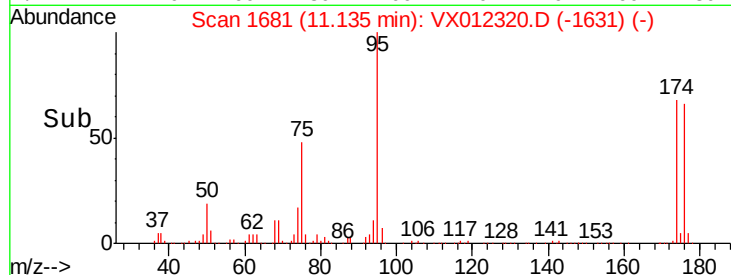
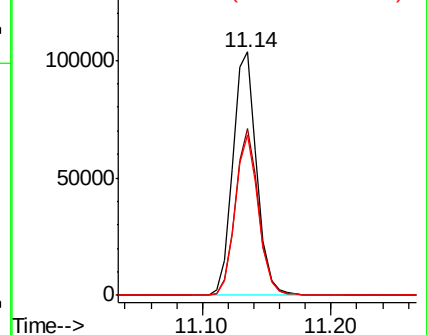
176 64.2 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012320.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012320.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012320.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

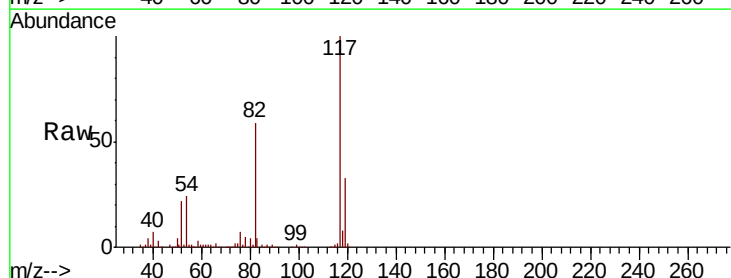
Tgt Ion: 117 Resp: 251393

Ion Ratio Lower Upper

117 100

82 59.1 46.4 69.6

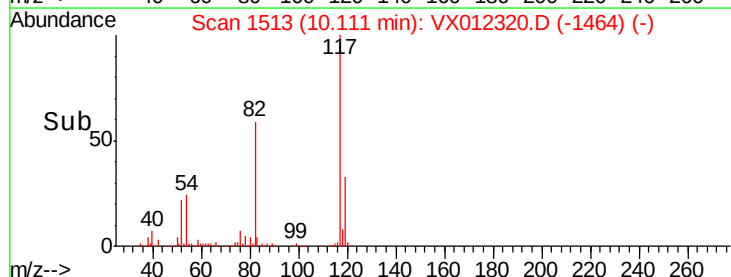
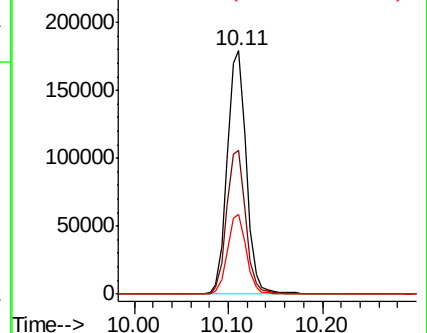
119 32.8 26.6 39.8

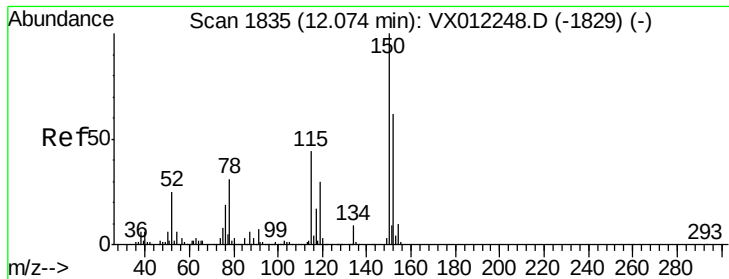


Abundance Ion 116.90 (116.60 to 117.60): VX012320.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012320.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012320.D (-1464) (-)

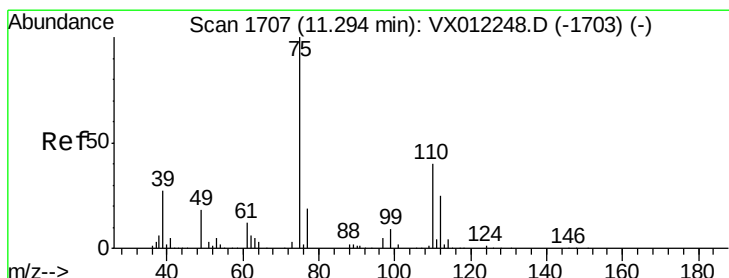
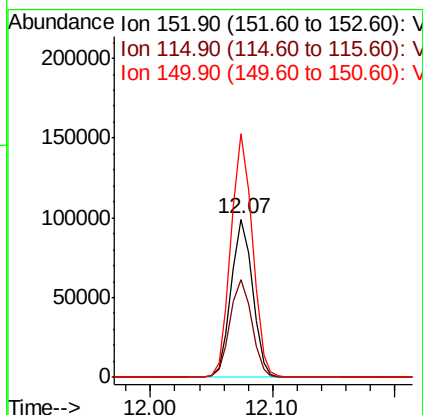
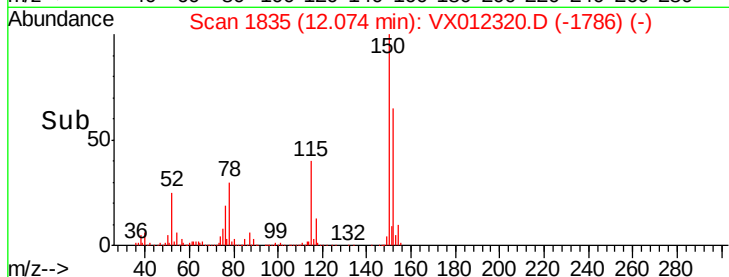
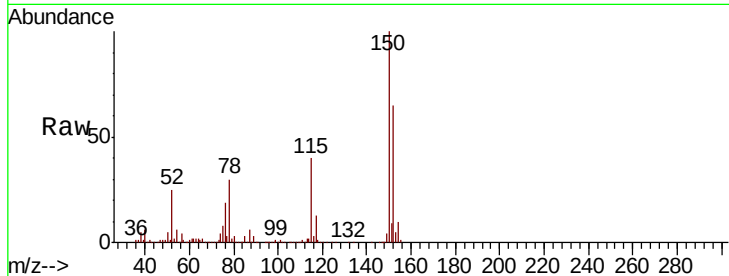




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

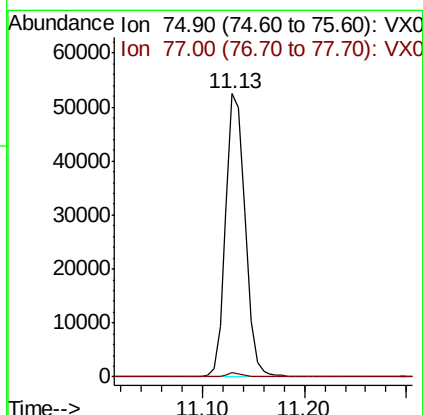
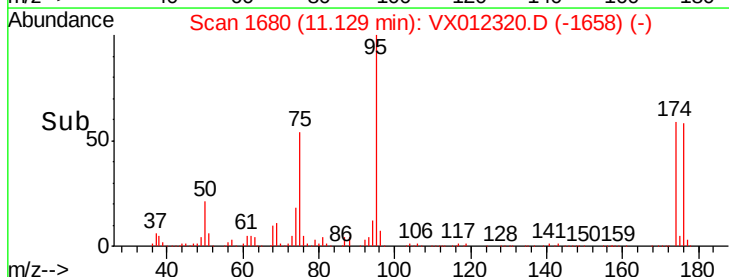
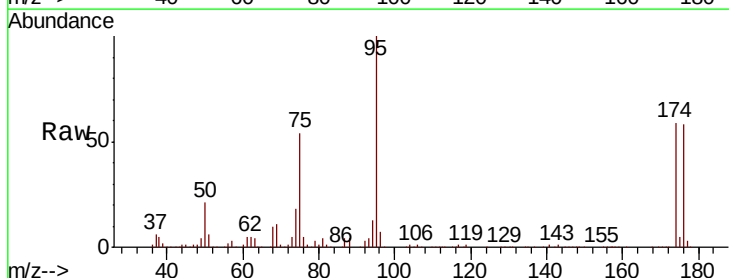
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200029

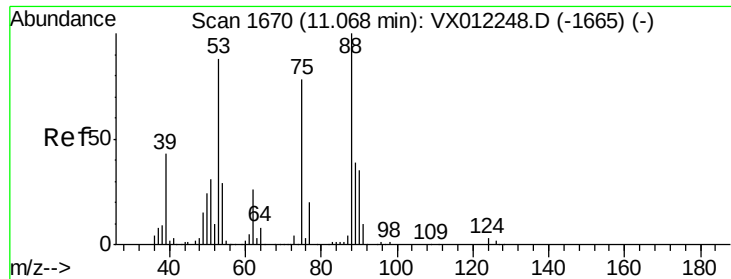
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	45.5	136.4
150	154.3	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 45.290 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX012320.D
 Acq: 12 Sep 2019 00:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	19.7	59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 135.699 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012320.D

Acq: 12 Sep 2019 00:25

Instrument :

MSVOA_X

ClientSampleId :

RBR200029

Tgt Ion: 75 Resp: 69750

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#

