

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012349.D
 Acq On : 12 Sep 2019 15:58
 Operator : SY/SP
 Sample : K4694-12RE
 Misc : 7.95g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(1.5)

Quant Time: Sep 13 01:58:51 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	157324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106140	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	106778	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	5.49	113	80276	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	8.71	98	317705	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.14	95	121845	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

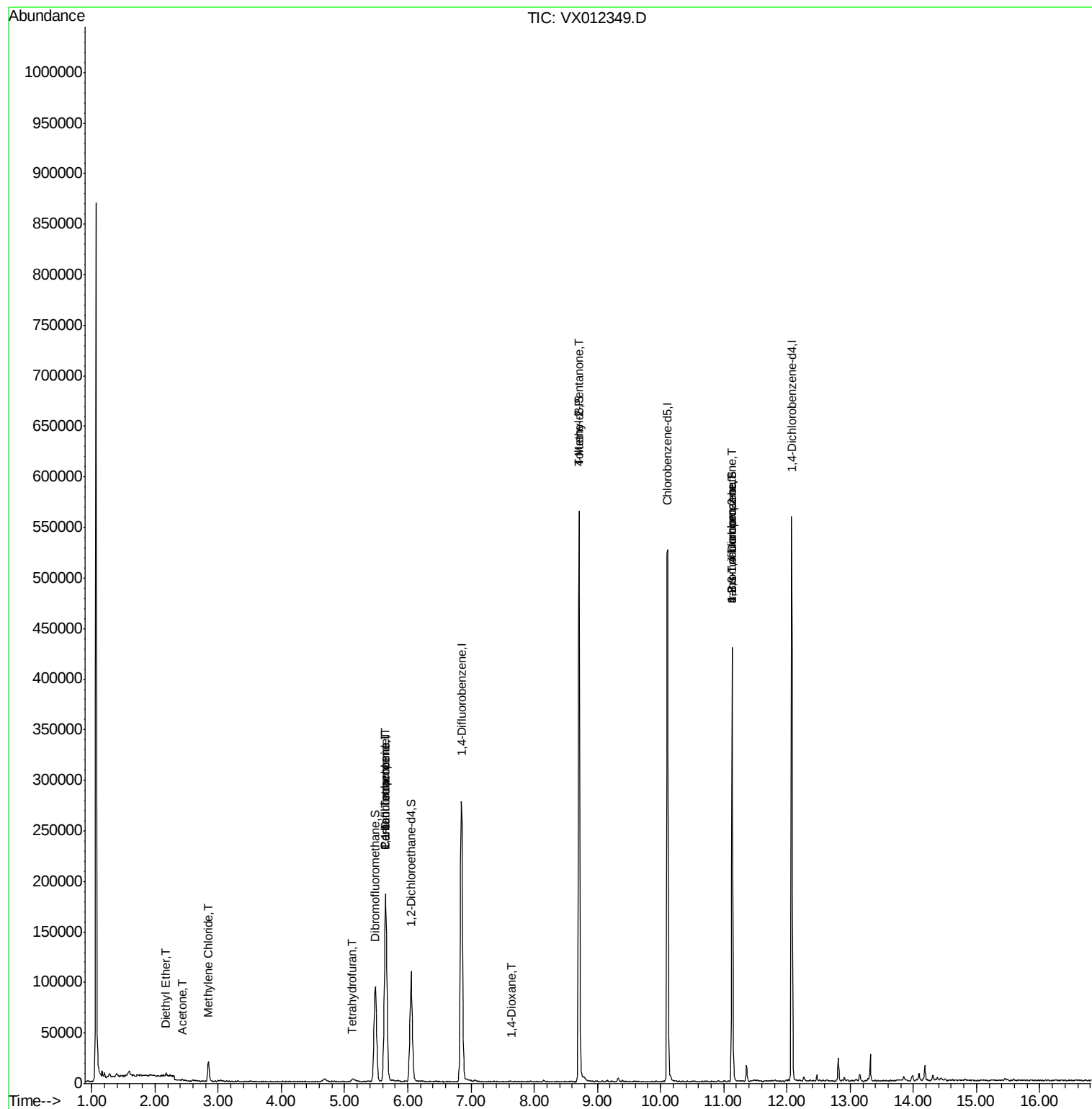
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	137	Below Cal	#	60
8) Diethyl Ether	2.18	74	846	1.192	ug/l	84
11) Tert butyl alcohol	3.04	59	1194	Below Cal	#	59
16) Acetone	2.44	43	1784	3.388	ug/l	90
20) Methylene Chloride	2.84	84	8542	2.708	ug/l	91
29) Tetrahydrofuran	5.12	42	3511	9.668	ug/l	90
36) 1,1-Dichloropropene	5.65	75	14240	7.298	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17744	7.751	ug/l #	16
49) 1,4-Dioxane	7.65	88	28	1.705	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2031	1.513	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	64705	47.454	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	64705	142.184	ug/l #	5

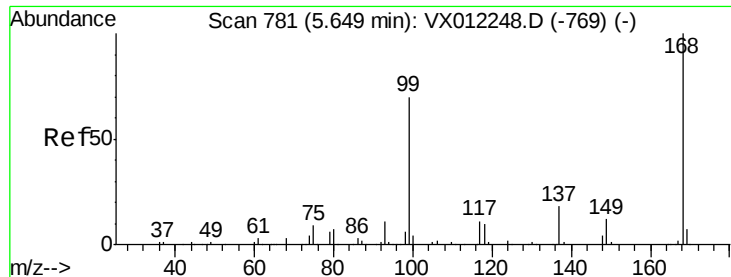
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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Quant Time: Sep 13 01:58:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

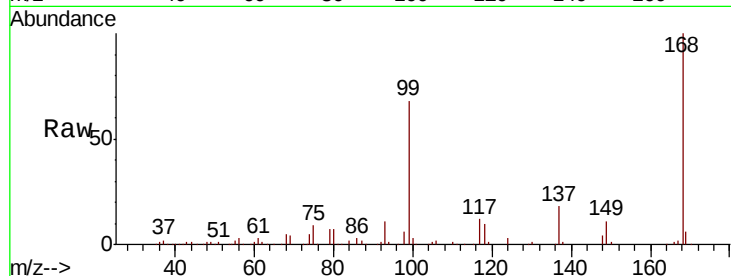
T2-1-(1.5)

Tgt Ion:168 Resp: 157324

Ion Ratio Lower Upper

168 100

99 68.4 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

50000

40000

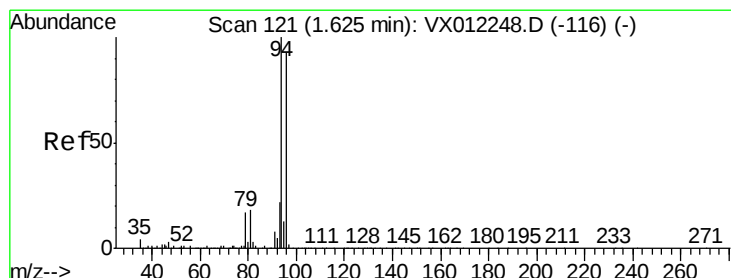
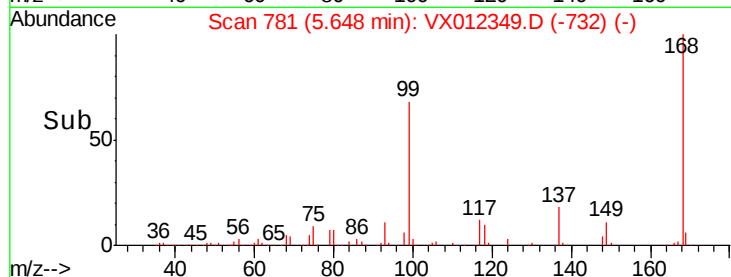
30000

20000

10000

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: VX012349.D

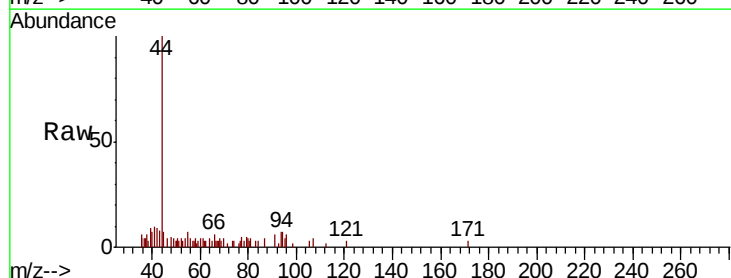
Acq: 12 Sep 2019 15:58

Tgt Ion: 94 Resp: 137

Ion Ratio Lower Upper

94 100

96 54.3 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

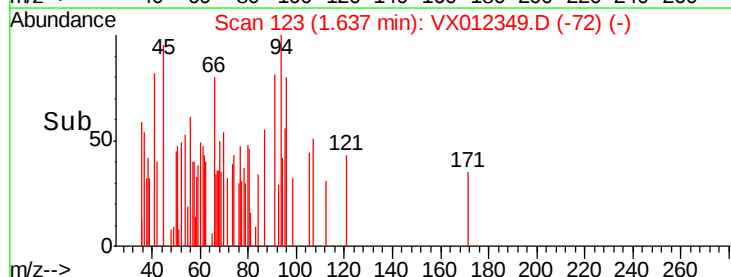
300

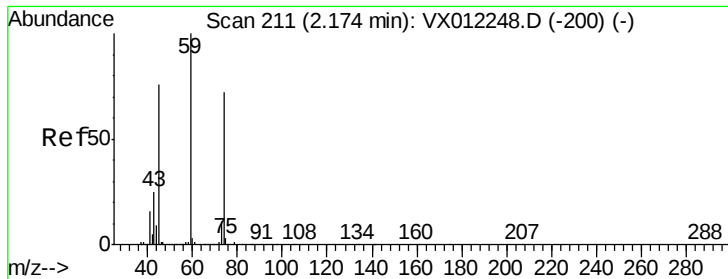
200

100

0

Time--> 1.62 1.64 1.66





#8

Diethyl Ether

Concen: 1.192 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

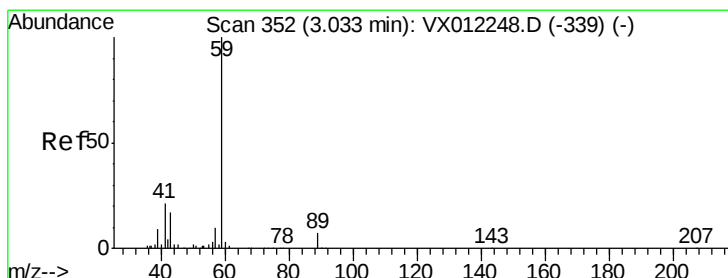
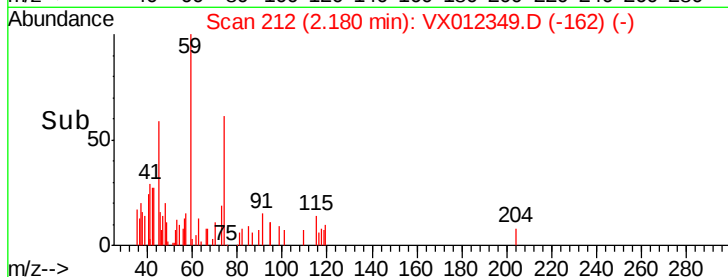
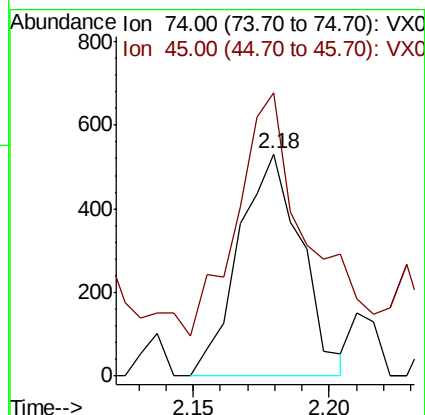
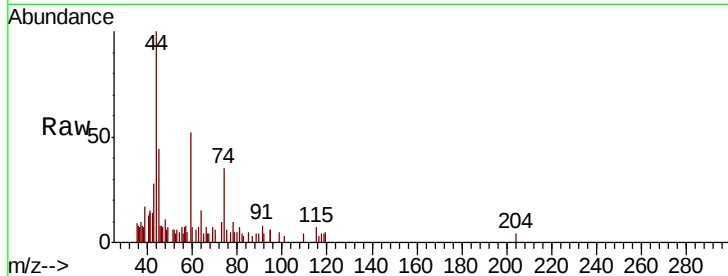
T2-1-(1.5)

Tgt Ion: 74 Resp: 846

Ion Ratio Lower Upper

74 100

45 118.8 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.04 min Scan# 353

Delta R.T. 0.01 min

Lab File: VX012349.D

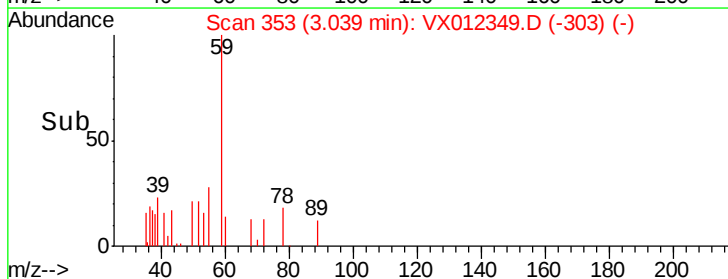
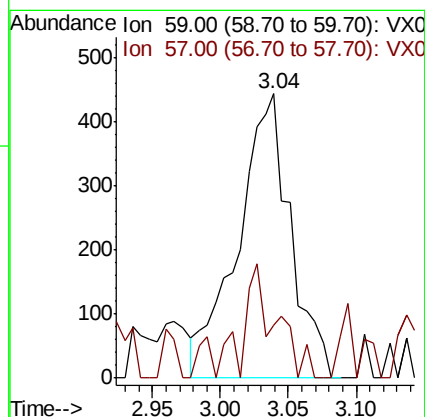
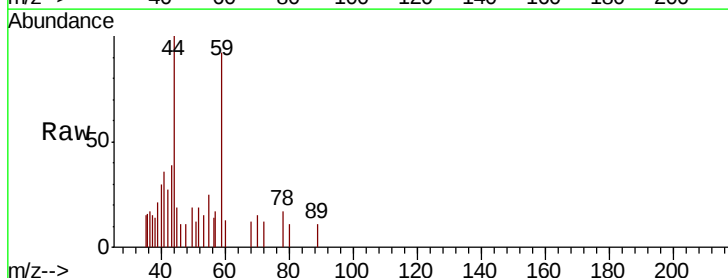
Acq: 12 Sep 2019 15:58

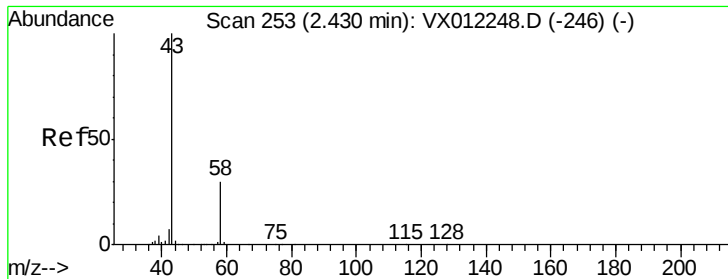
Tgt Ion: 59 Resp: 1194

Ion Ratio Lower Upper

59 100

57 24.9 7.8 11.6#





#16

Acetone

Concen: 3.388 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

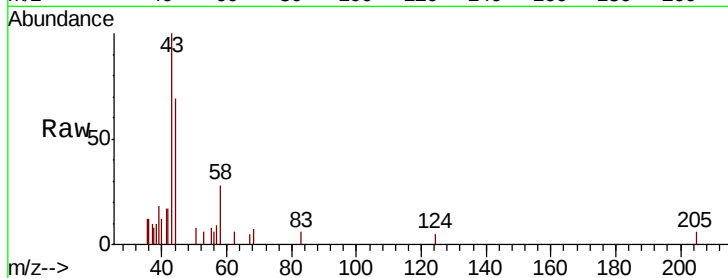
T2-1-(1.5)

Tgt Ion: 43 Resp: 1784

Ion Ratio Lower Upper

43 100

58 24.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

1200

1000

800

600

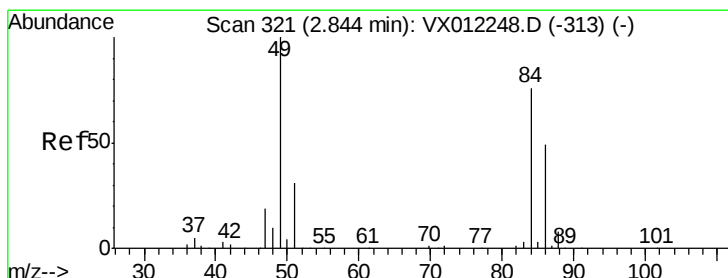
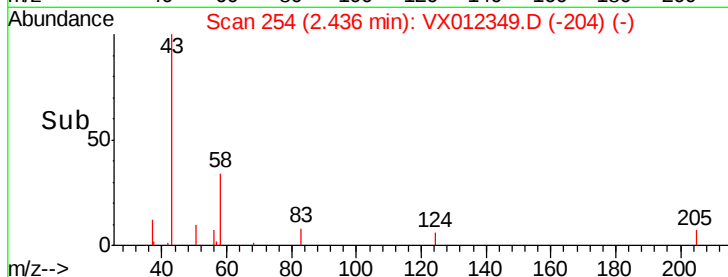
400

200

0

2.35 2.40 2.45 2.50

Time-->



#20

Methylene Chloride

Concen: 2.708 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Tgt Ion: 84 Resp: 8542

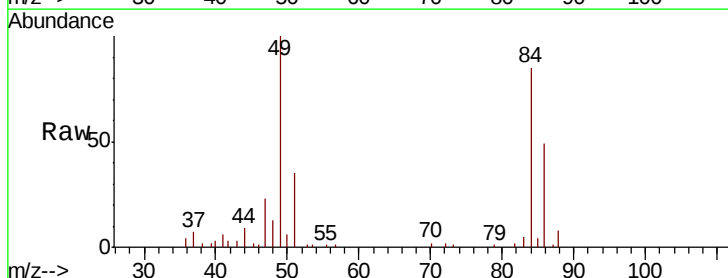
Ion Ratio Lower Upper

84 100

49 117.7 105.0 157.6

51 39.6 32.6 48.8

86 57.4 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

8000

6000

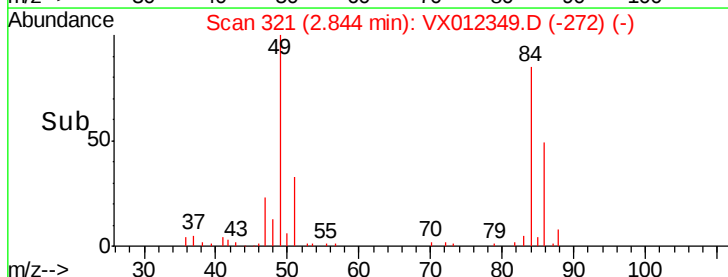
4000

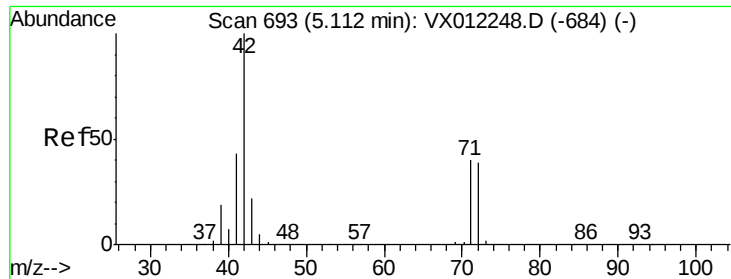
2000

0

2.75 2.80 2.85 2.90 2.95

Time-->





#29

Tetrahydrofuran

Concen: 9.668 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

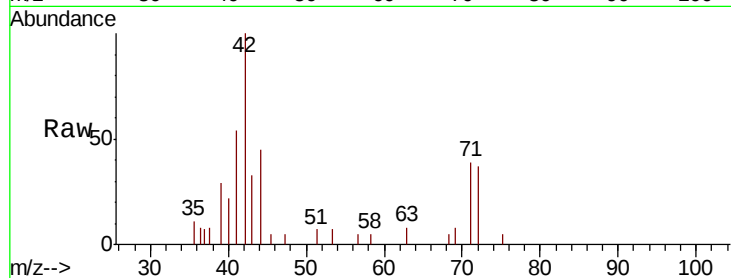
Tgt Ion: 42 Resp: 3511

Ion Ratio Lower Upper

42 100

72 37.2 35.2 52.8

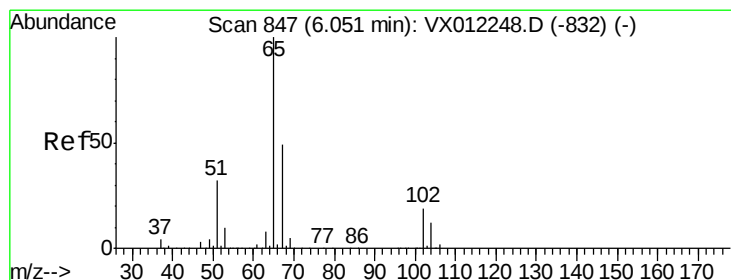
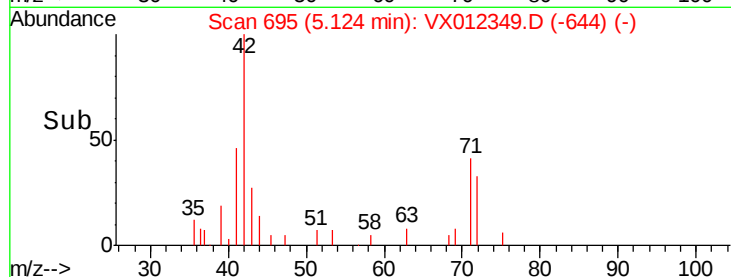
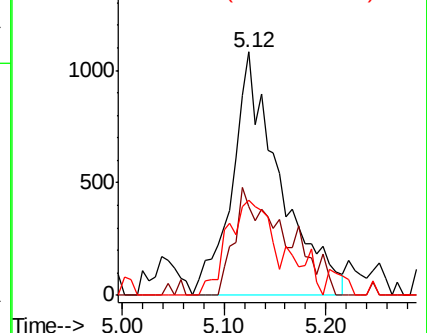
71 35.1 32.5 48.7



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: 48.006 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012349.D

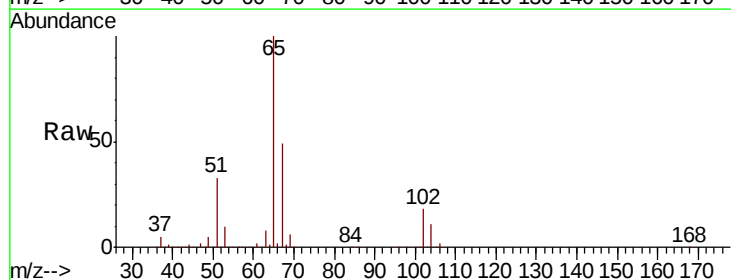
Acq: 12 Sep 2019 15:58

Tgt Ion: 65 Resp: 106778

Ion Ratio Lower Upper

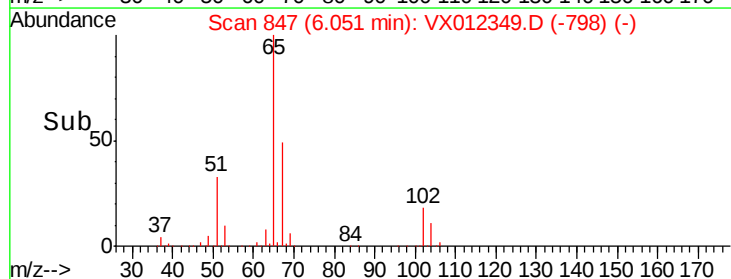
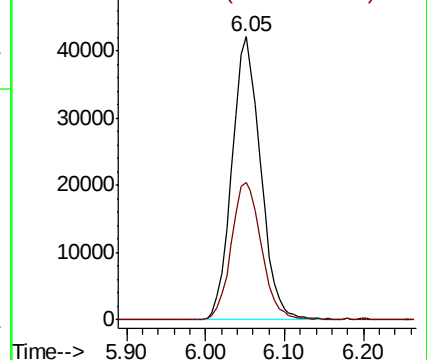
65 100

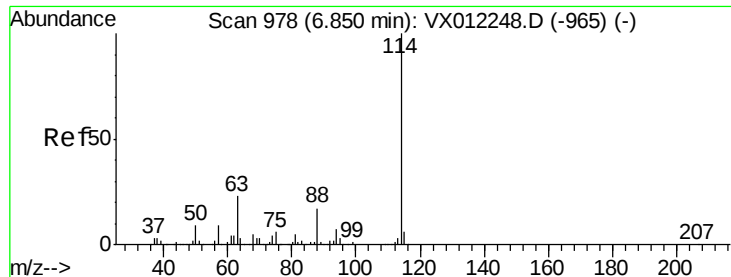
67 51.1 0.0 99.8



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: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

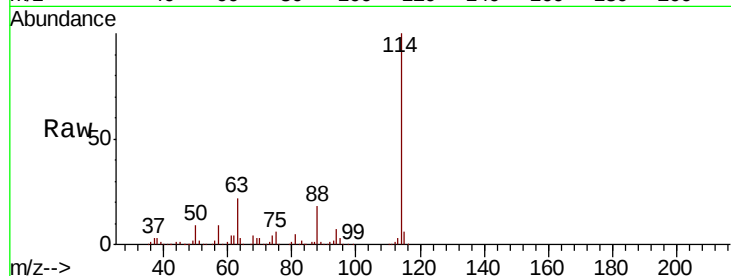
Tgt Ion:114 Resp: 267594

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

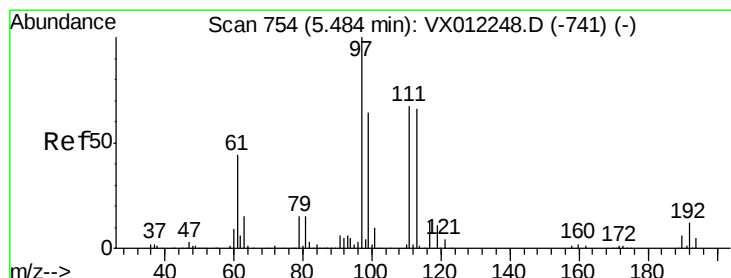
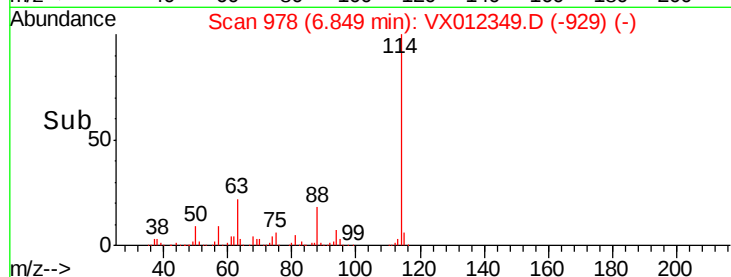
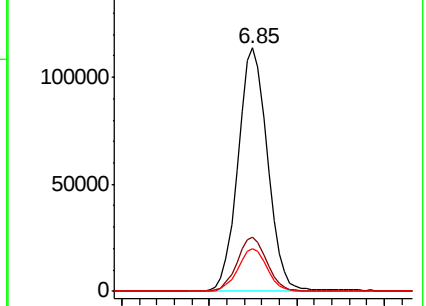
88 17.5 0.0 34.8



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: 46.797 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

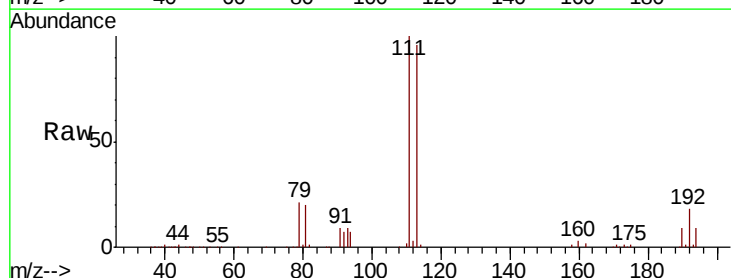
Tgt Ion:113 Resp: 80276

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.6

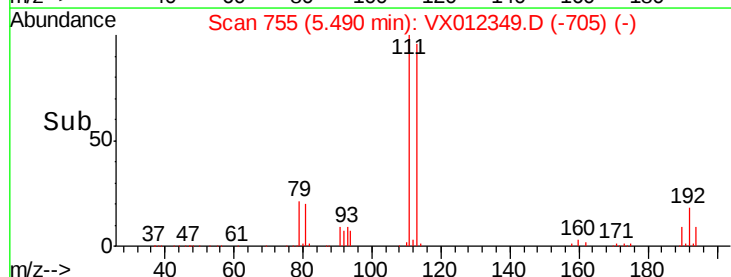
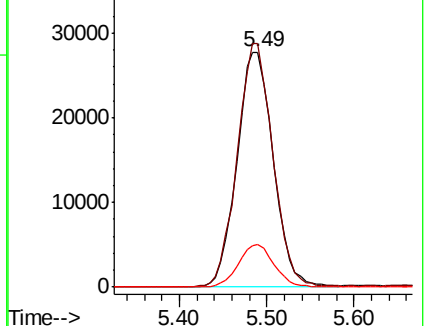
192 17.9 14.3 21.5

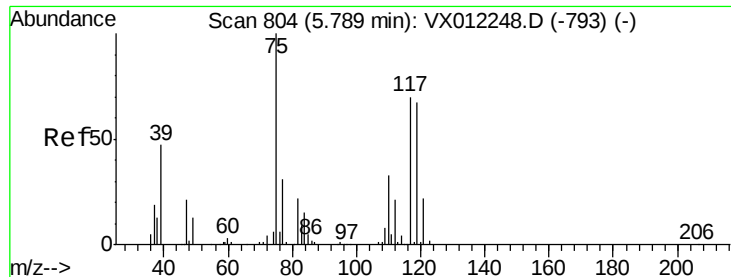


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

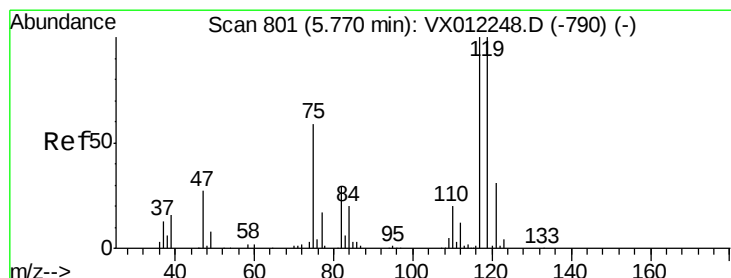
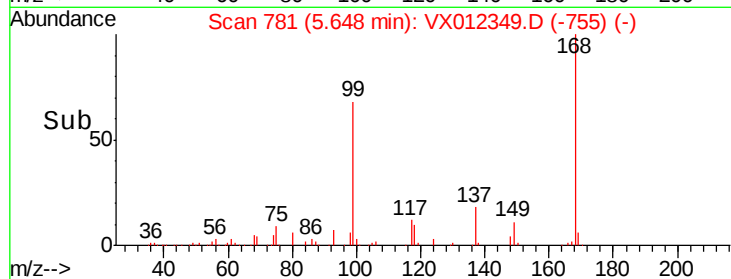
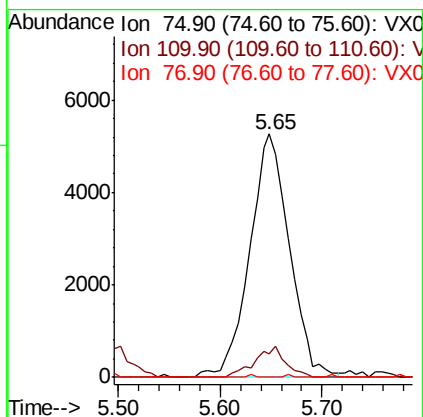
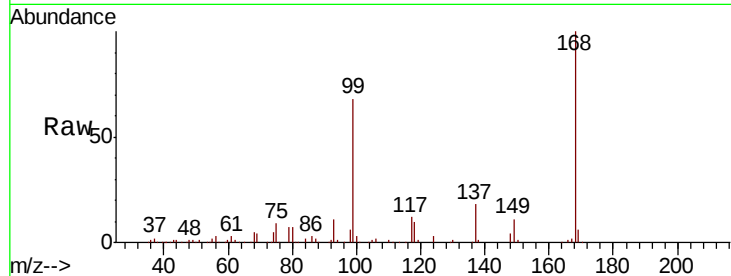




#36
 1,1-Dichloropropene
 Concen: 7.298 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012349.D
 Acq: 12 Sep 2019 15:58

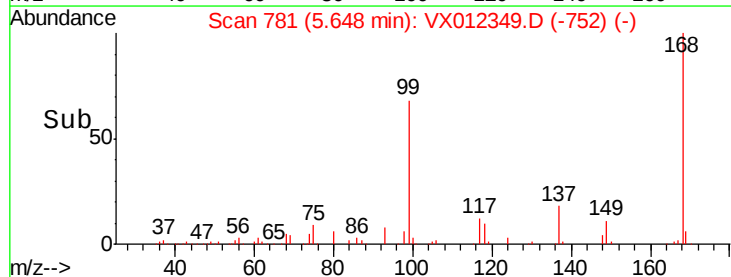
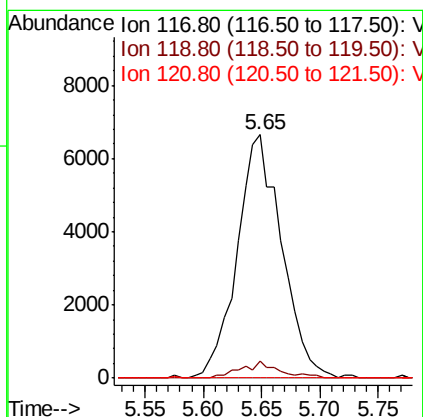
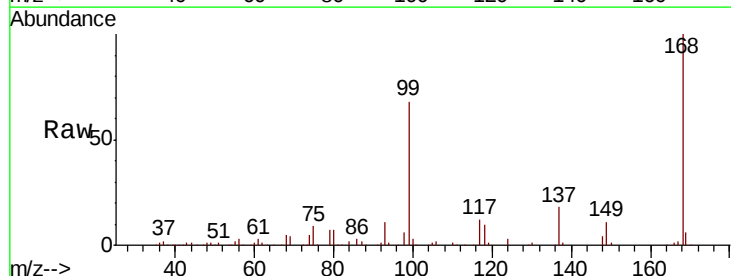
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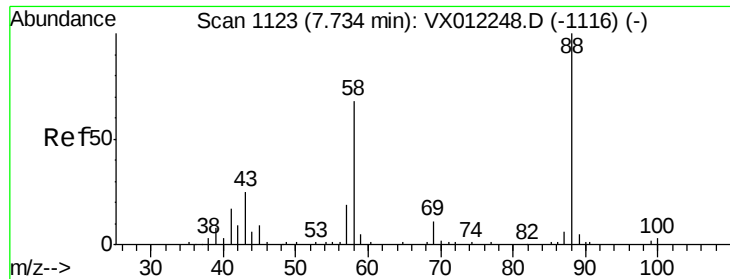
Tgt Ion: 75 Resp: 14240
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.751 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012349.D
 Acq: 12 Sep 2019 15:58

Tgt Ion: 117 Resp: 17744
 Ion Ratio Lower Upper
 117 100
 119 7.0 79.6 119.4#
 121 0.0 24.7 37.1#

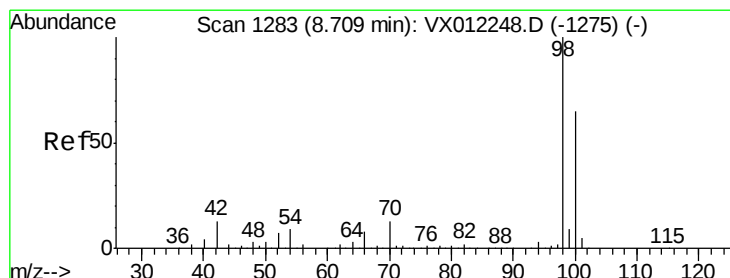
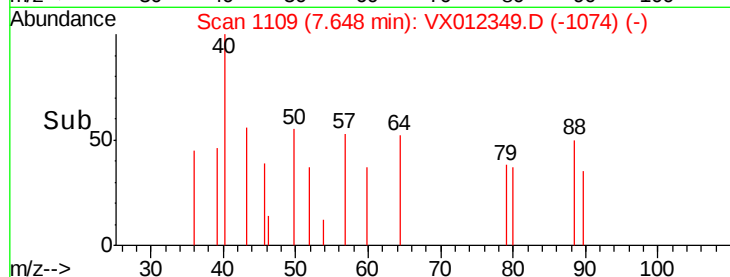
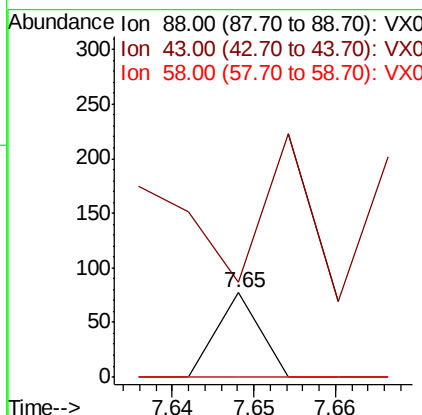
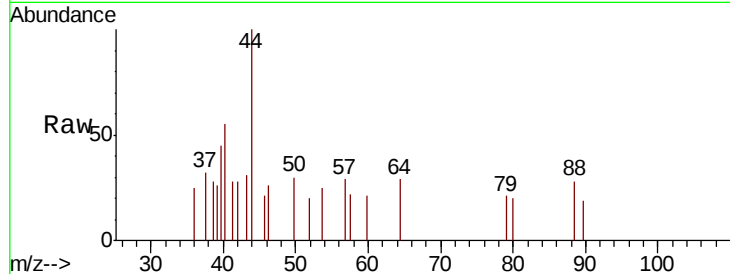




#49
 1,4-Dioxane
 Concen: 1.705 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.09 min
 Lab File: VX012349.D
 Acq: 12 Sep 2019 15:58

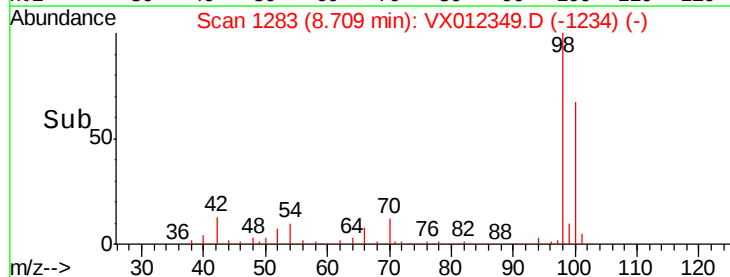
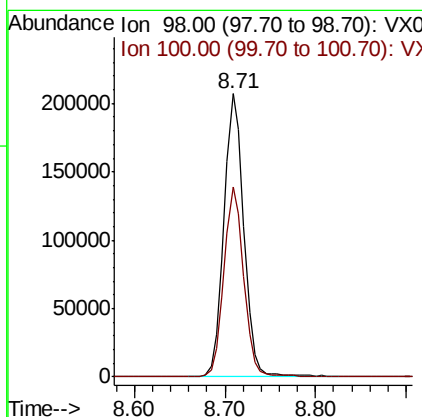
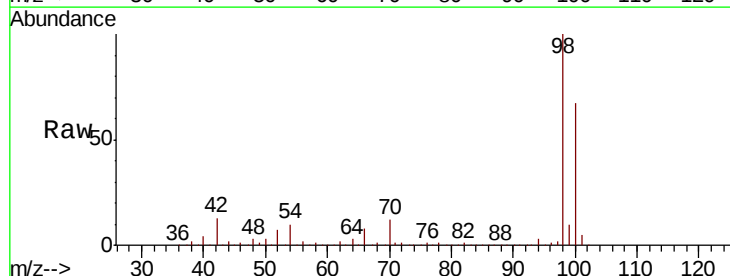
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-1-(1.5)

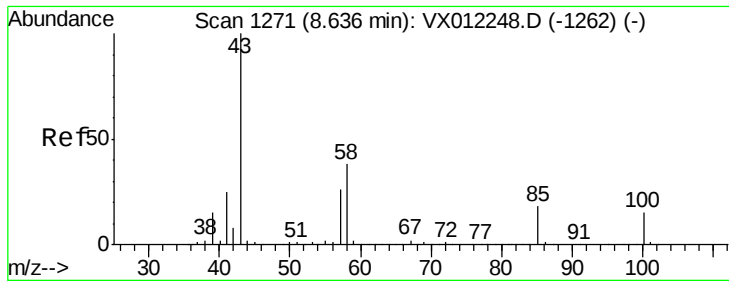
Tgt Ion: 88 Resp: 28
 Ion Ratio Lower Upper
 88 100
 43 910.7 31.0 46.4#
 58 0.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 52.806 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX012349.D
 Acq: 12 Sep 2019 15:58

Tgt Ion: 98 Resp: 317705
 Ion Ratio Lower Upper
 98 100
 100 66.7 54.1 81.1





#51

4-Methyl-2-Pentanone

Concen: 1.513 ug/l

RT: 8.71 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

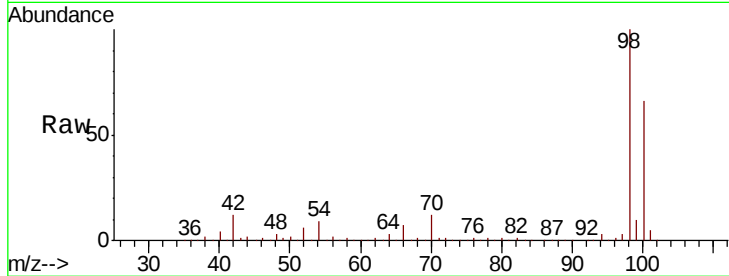
T2-1-(1.5)

Tgt Ion: 43 Resp: 2031

Ion Ratio Lower Upper

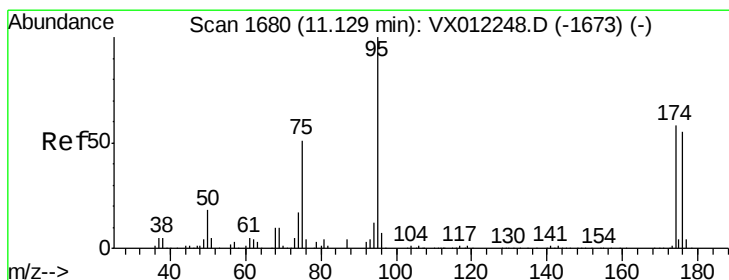
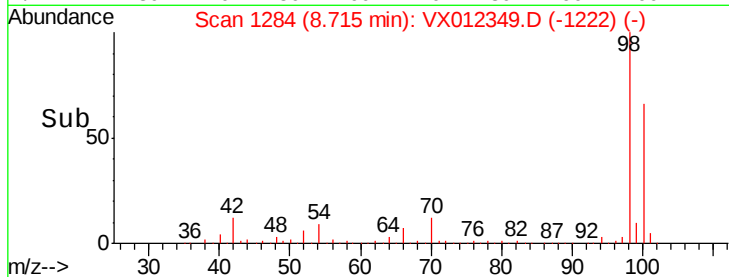
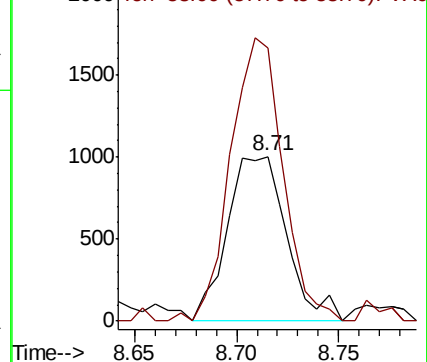
43 100

58 151.2 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.684 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

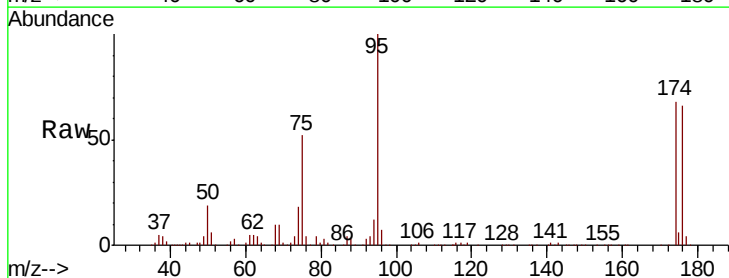
Tgt Ion: 95 Resp: 121845

Ion Ratio Lower Upper

95 100

174 68.0 0.0 127.0

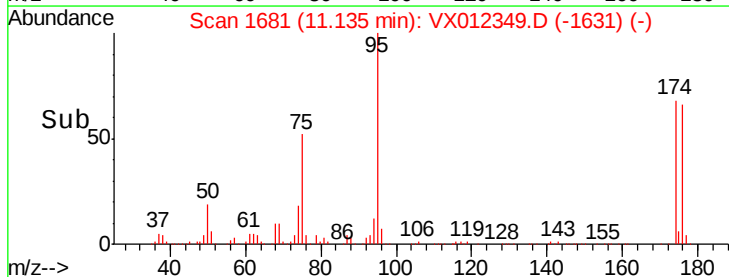
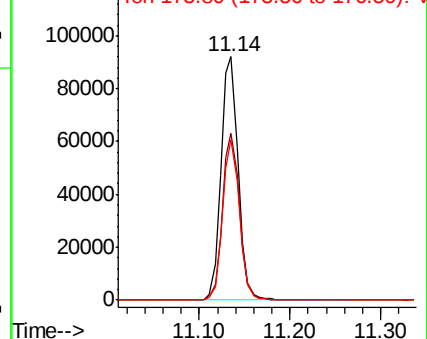
176 64.5 0.0 125.8

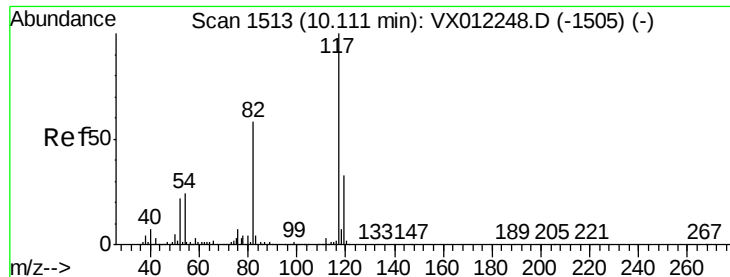


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

T2-1-(1.5)

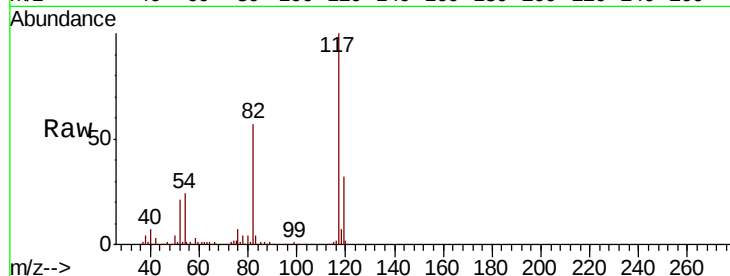
Tgt Ion:117 Resp: 237846

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

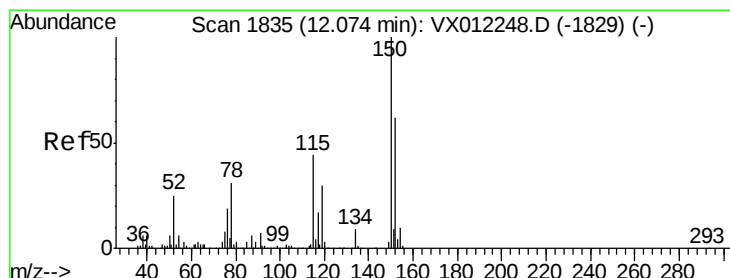
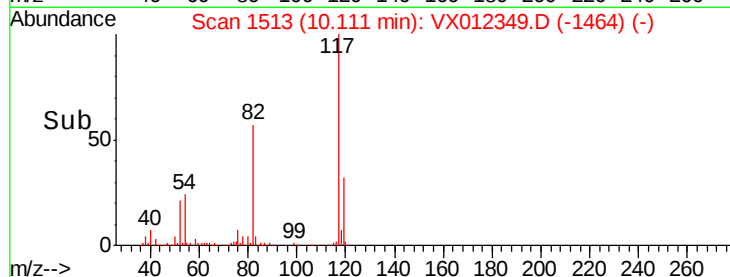
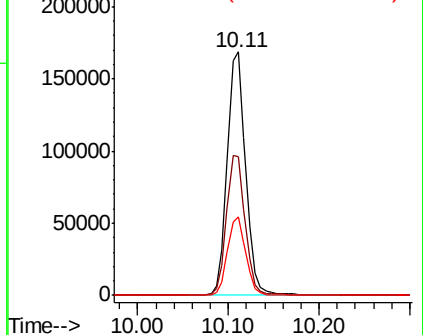
119 32.1 26.6 39.8



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: VX012349.D

Acq: 12 Sep 2019 15:58

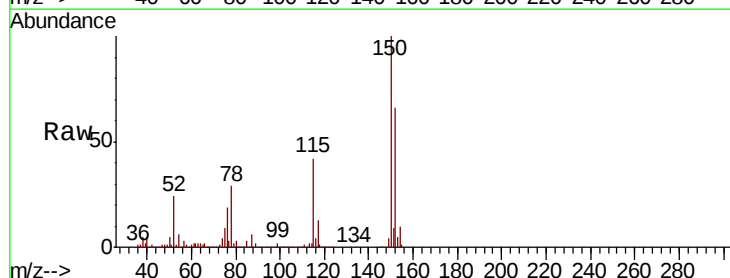
Tgt Ion:152 Resp: 106140

Ion Ratio Lower Upper

152 100

115 63.1 45.5 136.4

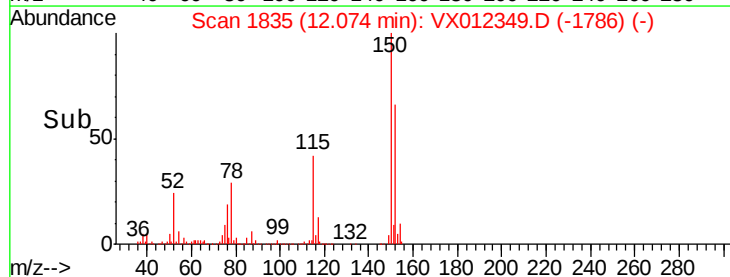
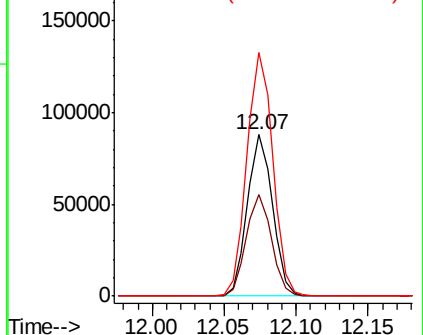
150 155.5 0.0 346.4

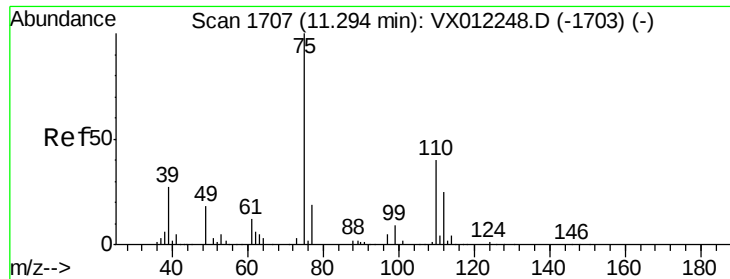


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 47.454 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampled :

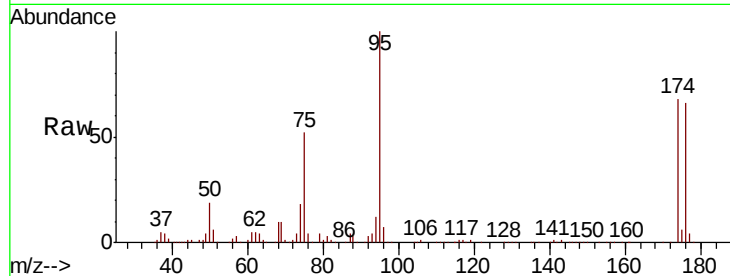
T2-1-(1.5)

Tgt Ion: 75 Resp: 64705

Ion Ratio Lower Upper

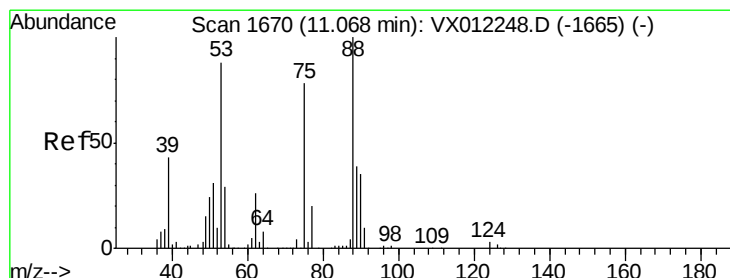
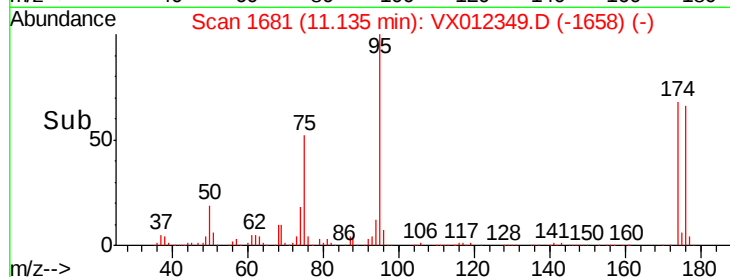
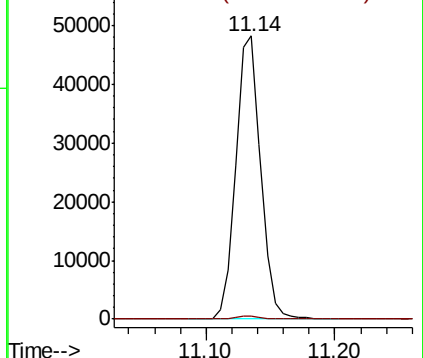
75 100

77 1.0 19.7 59.0#



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: 142.184 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012349.D

Acq: 12 Sep 2019 15:58

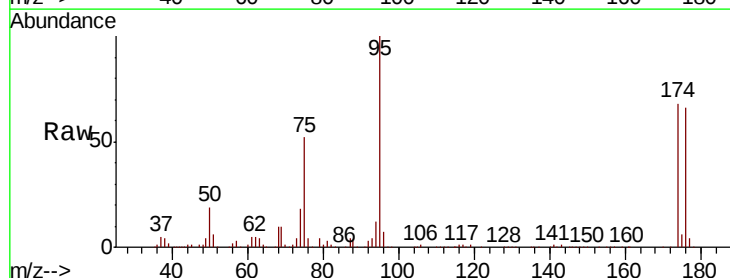
Tgt Ion: 75 Resp: 64705

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.2 43.5 65.3#



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

