

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012325.D
 Acq On : 12 Sep 2019 02:46
 Operator : SY/SP
 Sample : K4694-08
 Misc : 5.92g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-4(0)

Quant Time: Sep 12 05:45:07 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	168638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98613	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	115788	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	
35) Dibromofluoromethane	5.48	113	86947	46.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	341875	52.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	126324	41.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.68%	

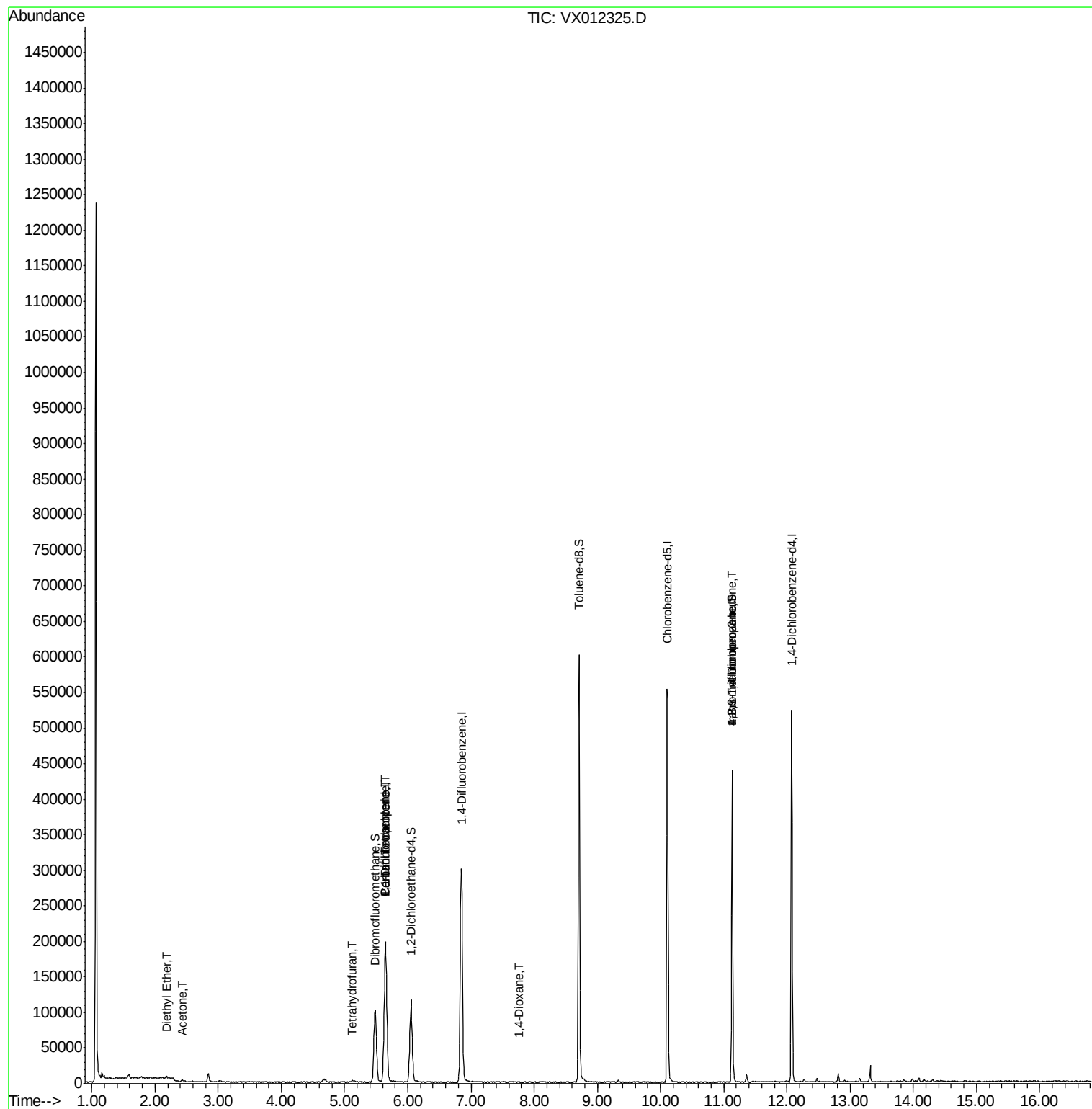
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	206	Below Cal	#	76
8) Diethyl Ether	2.17	74	1103	1.449	ug/l	85
16) Acetone	2.43	43	2015	3.570	ug/l	94
29) Tetrahydrofuran	5.12	42	2315	5.947	ug/l #	82
36) 1,1-Dichloropropene	5.64	75	14841	7.027	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19093	7.705	ug/l #	14
49) 1,4-Dioxane	7.76	88	19	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	65934	52.046	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	65934	155.943	ug/l #	5

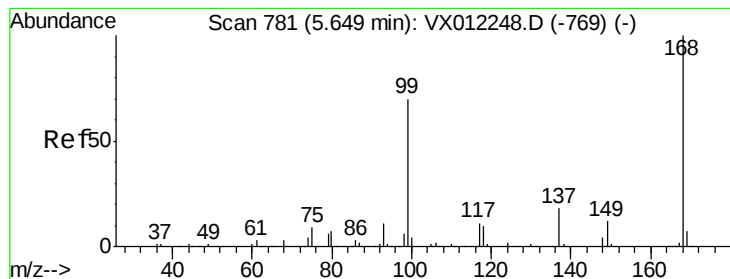
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 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: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

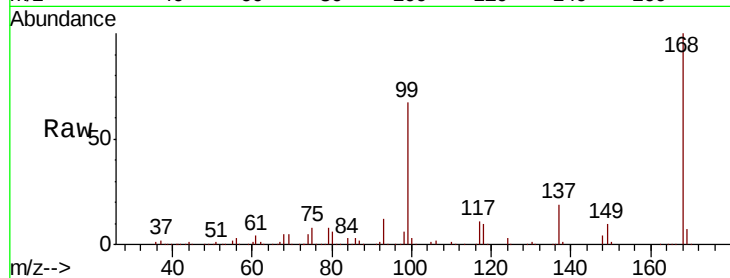
T1-4-(0)

Tgt Ion: 168 Resp: 168638

Ion Ratio Lower Upper

168 100

99 67.0 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

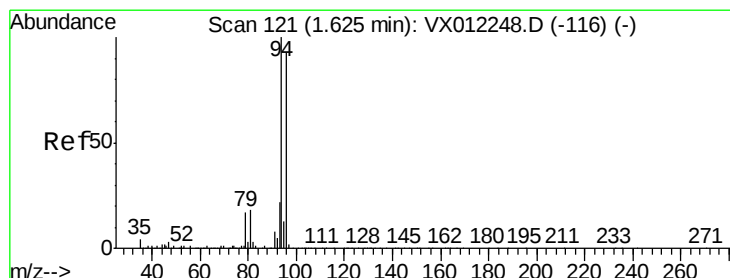
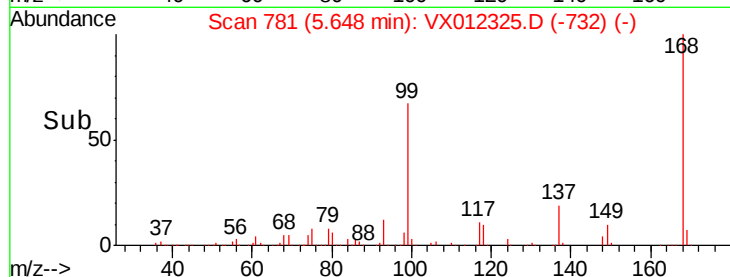
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012325.D

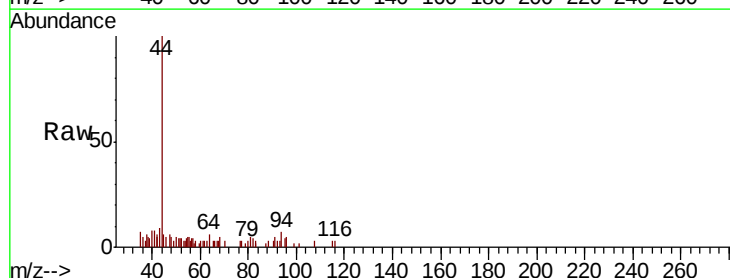
Acq: 12 Sep 2019 02:46

Tgt Ion: 94 Resp: 206

Ion Ratio Lower Upper

94 100

96 69.8 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

150

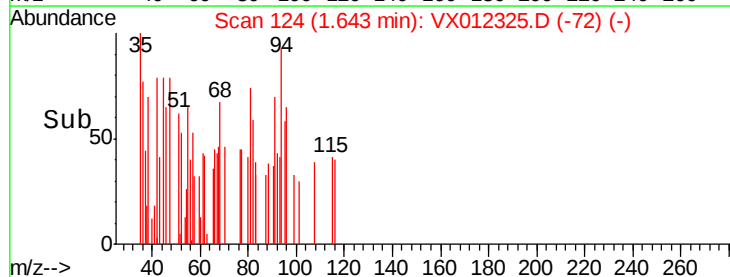
100

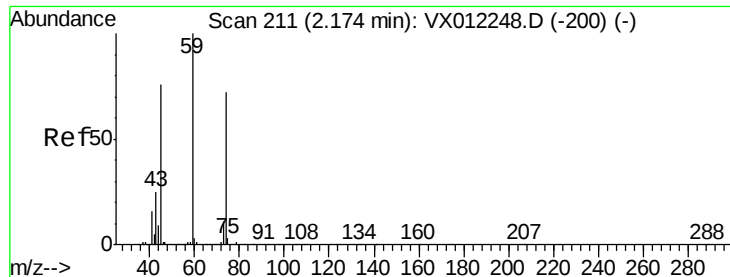
50

0

Time-->

1.60 1.62 1.64 1.66 1.68





#8

Diethyl Ether

Concen: 1.449 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

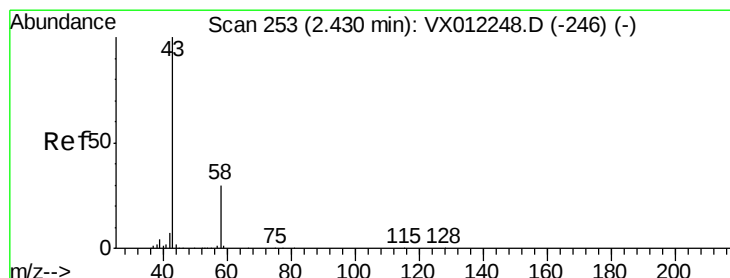
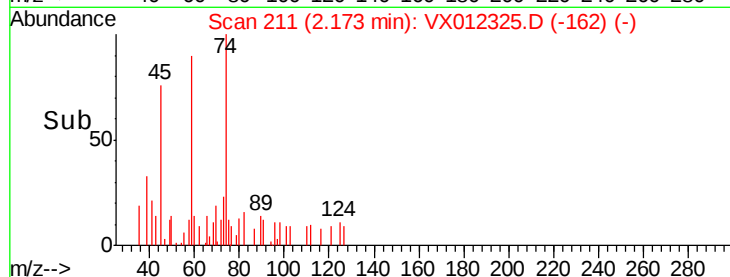
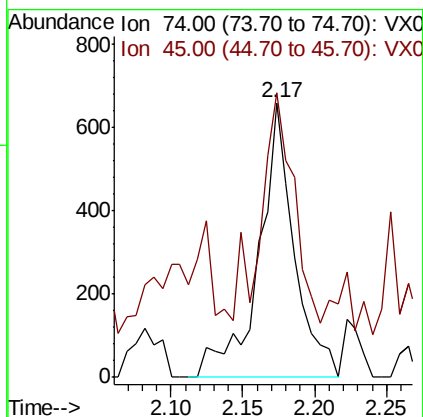
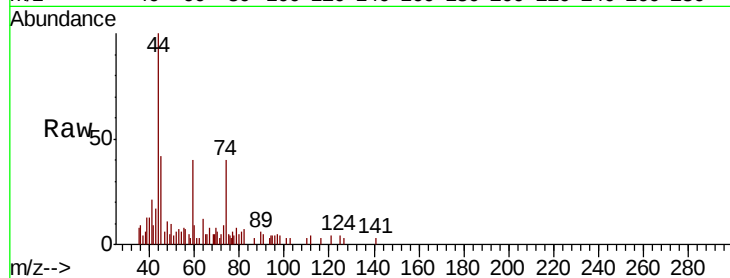
T1-4-(0)

Tgt Ion: 74 Resp: 1103

Ion Ratio Lower Upper

74 100

45 86.9 51.3 153.9



#16

Acetone

Concen: 3.570 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012325.D

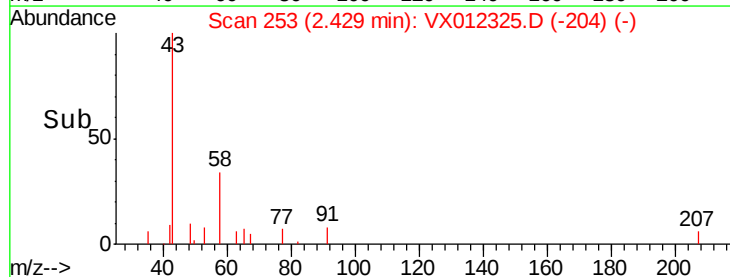
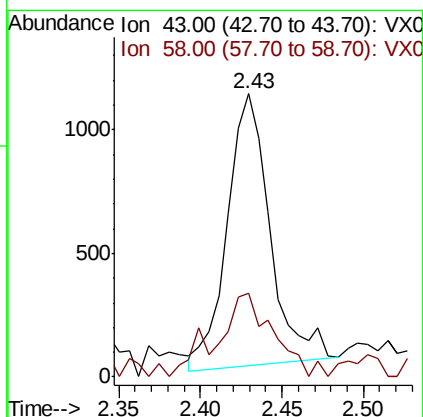
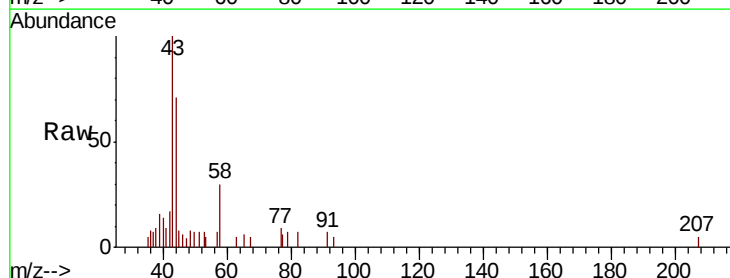
Acq: 12 Sep 2019 02:46

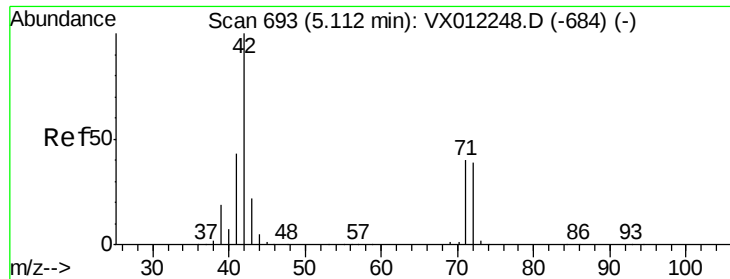
Tgt Ion: 43 Resp: 2015

Ion Ratio Lower Upper

43 100

58 26.5 23.6 35.4





#29

Tetrahydrofuran

Concen: 5.947 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :
MSVOA_X
ClientSampled :
T1-4-(0)

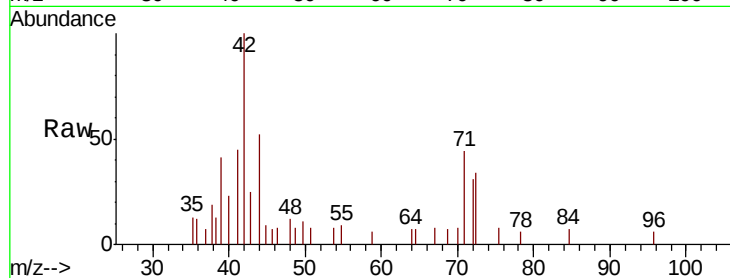
Tgt Ion: 42 Resp: 2315

Ion Ratio Lower Upper

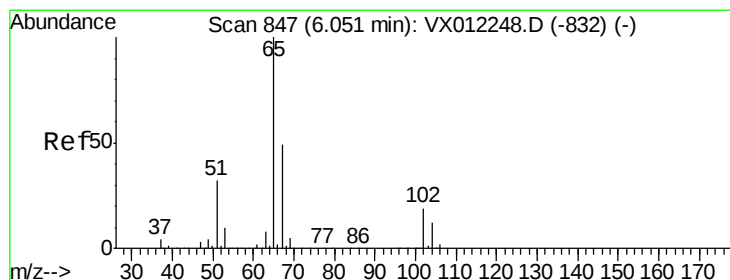
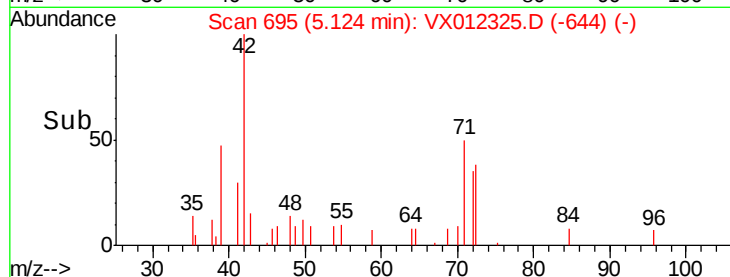
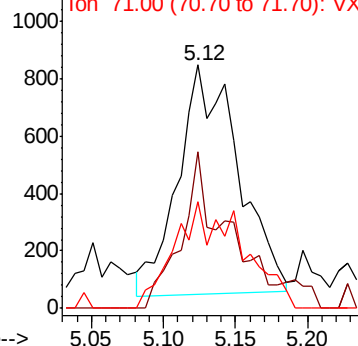
42 100

72 52.4 35.2 52.8

71 25.4 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: 48.564 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012325.D

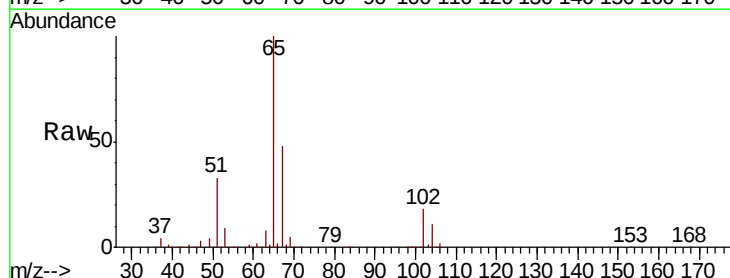
Acq: 12 Sep 2019 02:46

Tgt Ion: 65 Resp: 115788

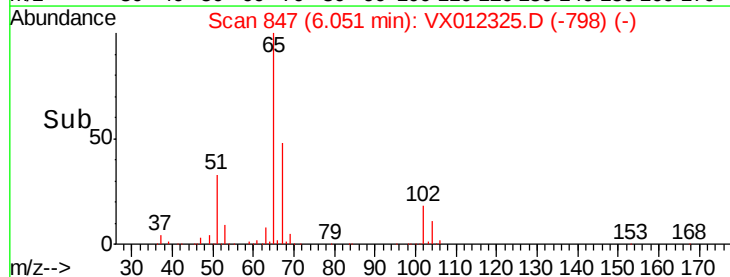
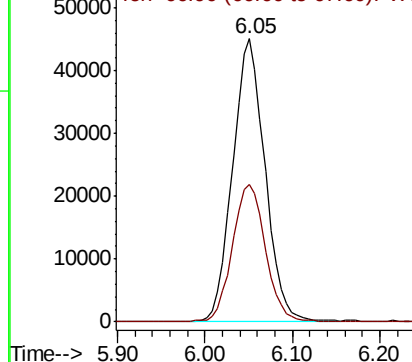
Ion Ratio Lower Upper

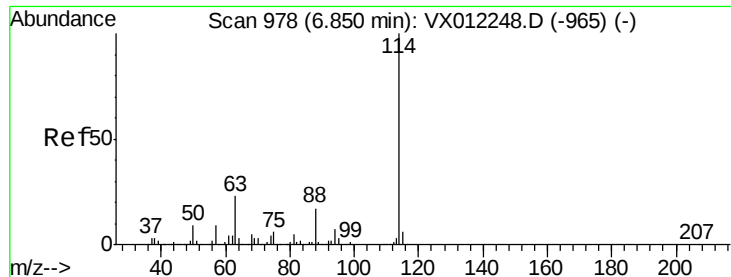
65 100

67 49.9 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: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

T1-4-(0)

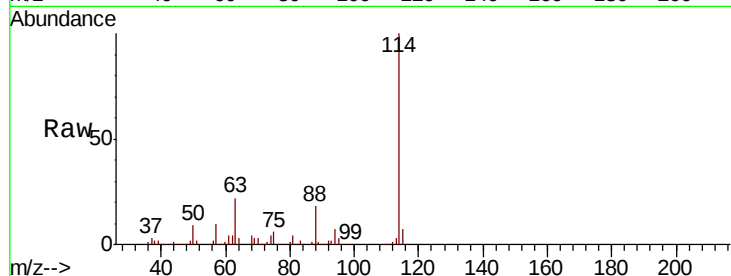
Tgt Ion:114 Resp: 289642

Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.2

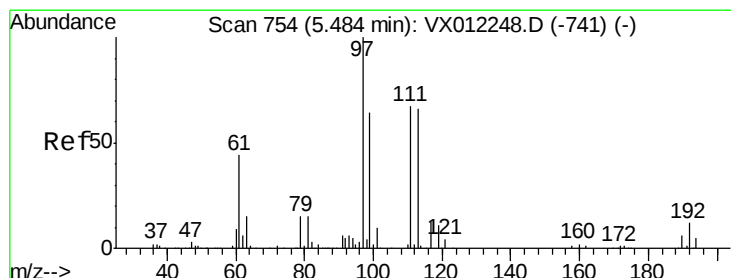
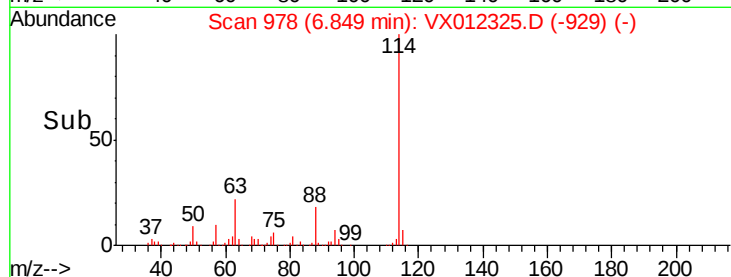
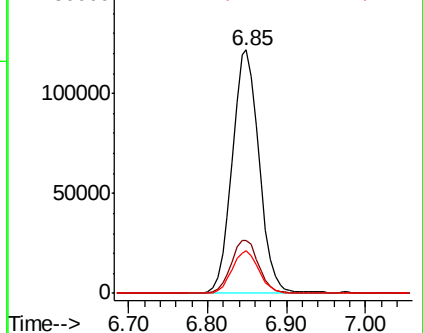
88 17.6 0.0 34.8



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: 46.828 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

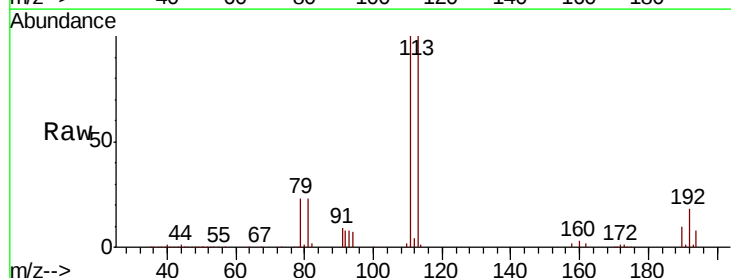
Tgt Ion:113 Resp: 86947

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.6

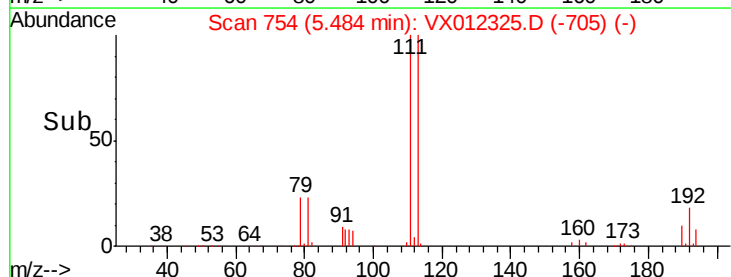
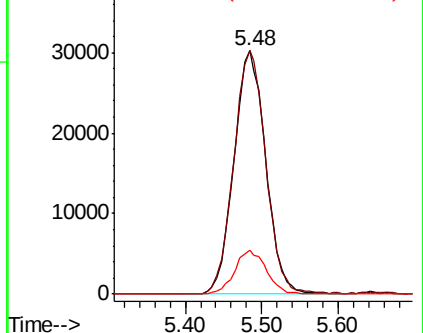
192 17.9 14.3 21.5

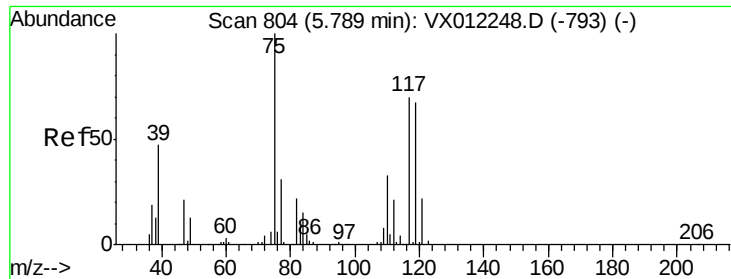


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

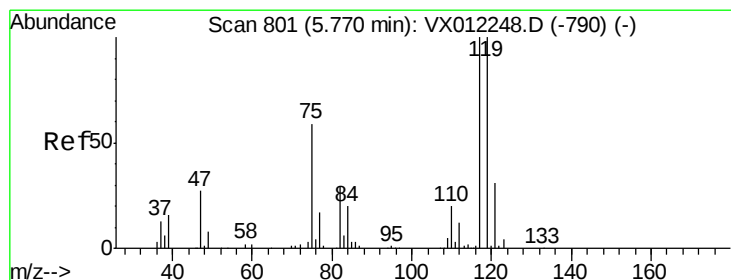
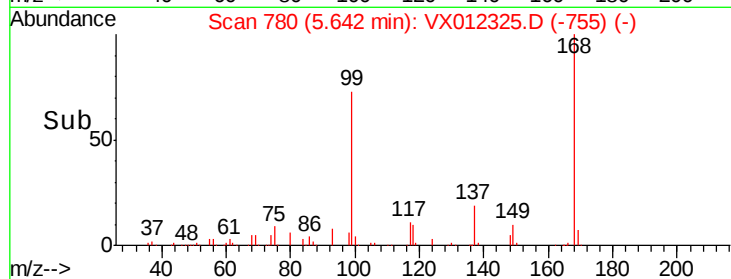
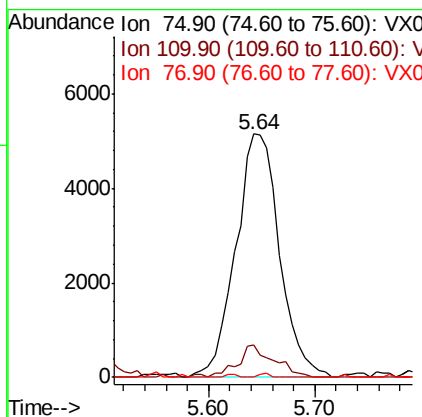
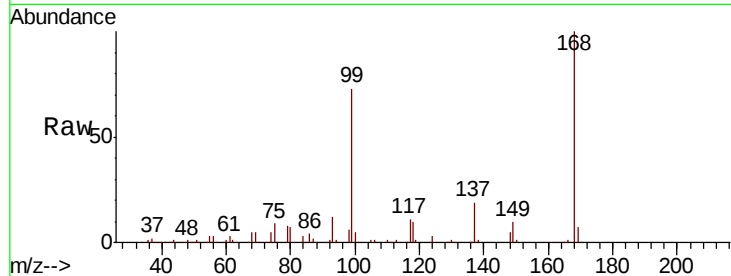




#36
 1,1-Dichloropropene
 Concen: 7.027 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012325.D
 Acq: 12 Sep 2019 02:46

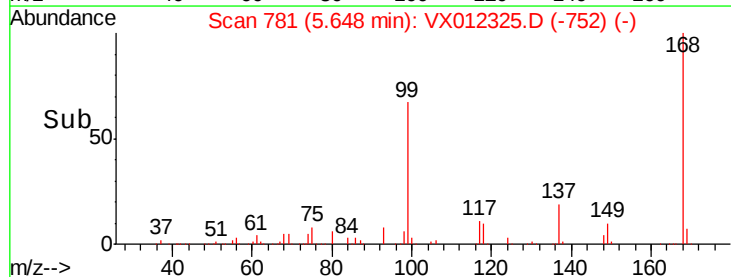
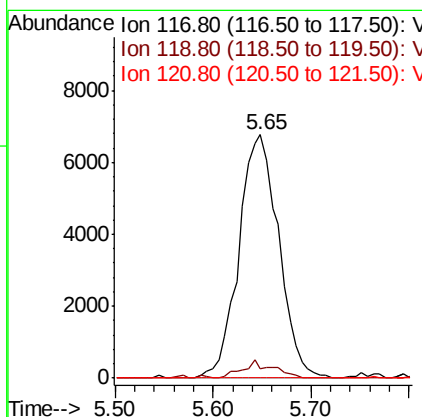
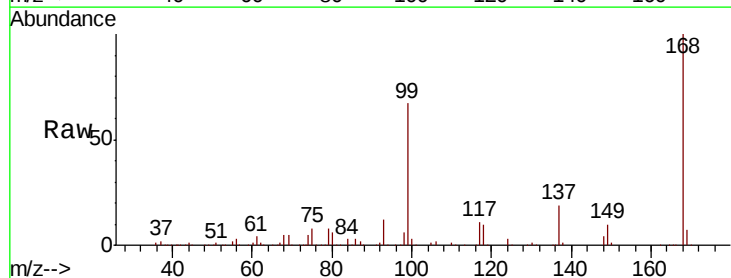
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-4-(0)

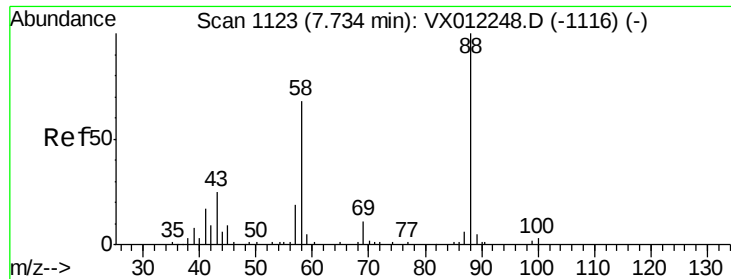
Tgt Ion: 75 Resp: 14841
 Ion Ratio Lower Upper
 75 100
 110 11.0 16.8 50.4#
 77 0.4 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.705 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012325.D
 Acq: 12 Sep 2019 02:46

Tgt Ion: 117 Resp: 19093
 Ion Ratio Lower Upper
 117 100
 119 4.0 79.6 119.4#
 121 0.0 24.7 37.1#

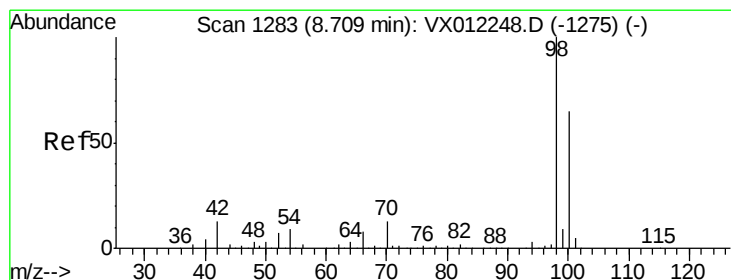
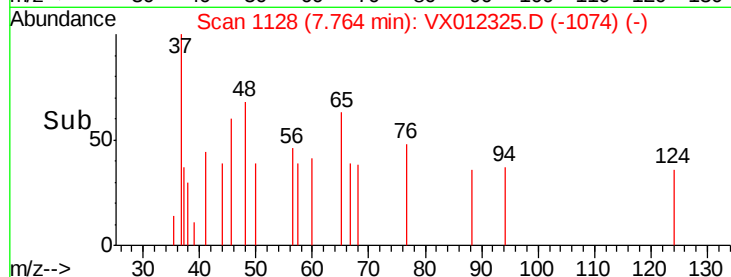
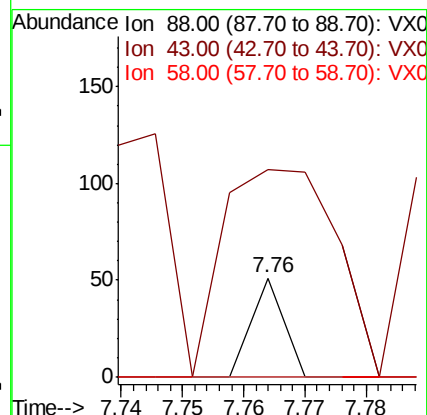
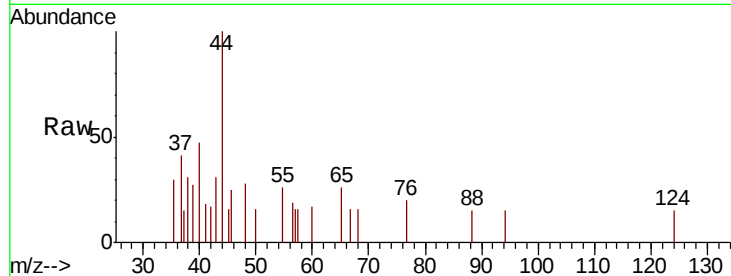




#49
1,4-Dioxane
Concen: 1.069 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.03 min
Lab File: VX012325.D
Acq: 12 Sep 2019 02:46

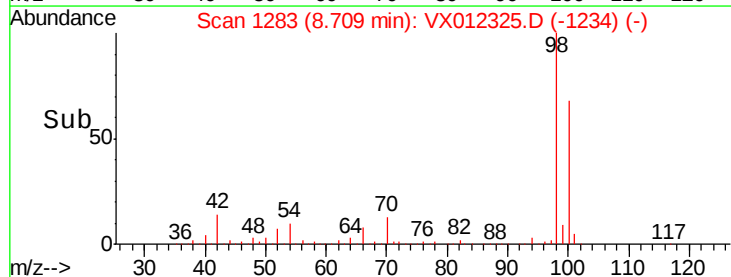
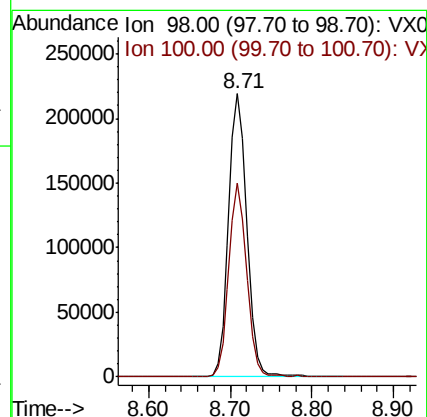
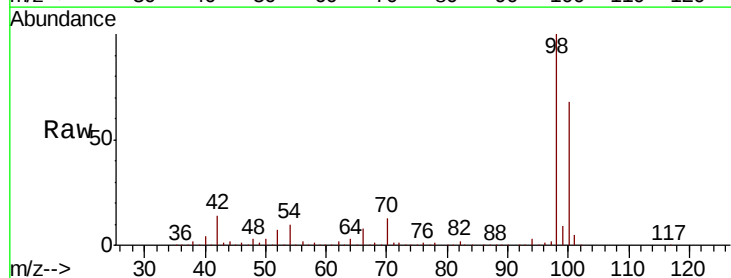
Instrument :
MSVOA_X
ClientSampleId :
T1-4(0)

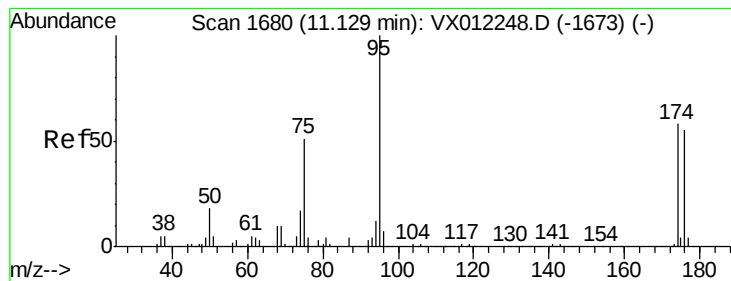
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 726.3 31.0 46.4#
58 0.0 61.5 92.3#



#50
Toluene-d8
Concen: 52.497 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012325.D
Acq: 12 Sep 2019 02:46

Tgt Ion: 98 Resp: 341875
Ion Ratio Lower Upper
98 100
100 66.9 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 41.842 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

T1-4-(0)

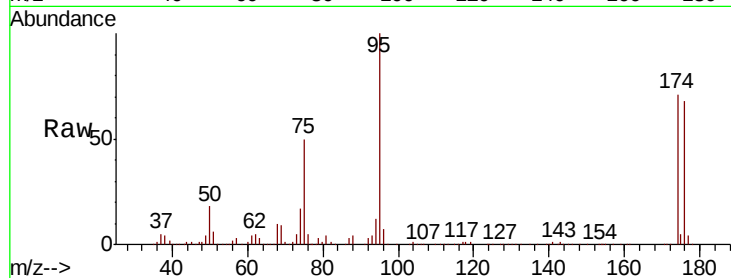
Tgt Ion: 95 Resp: 126324

Ion Ratio Lower Upper

95 100

174 66.5 0.0 127.0

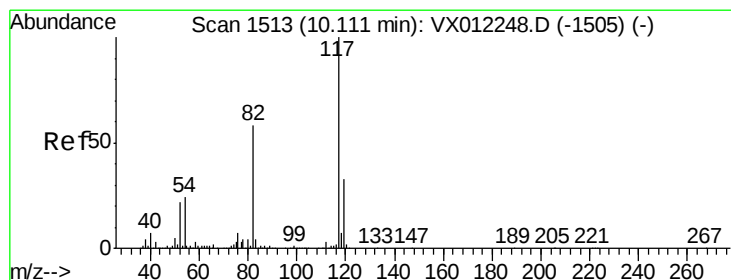
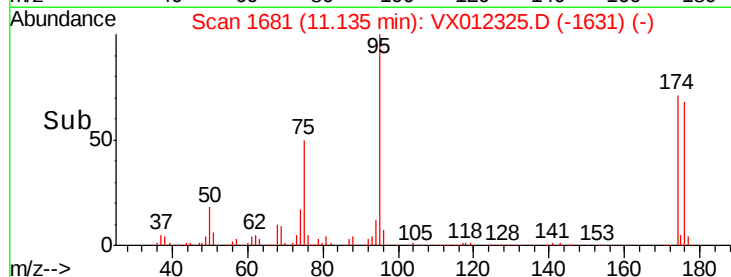
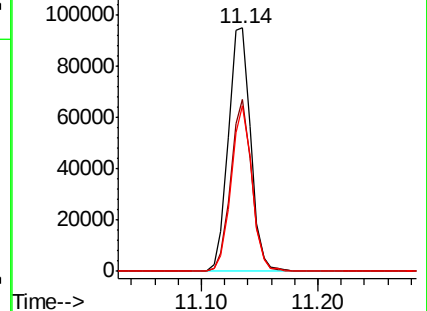
176 63.7 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

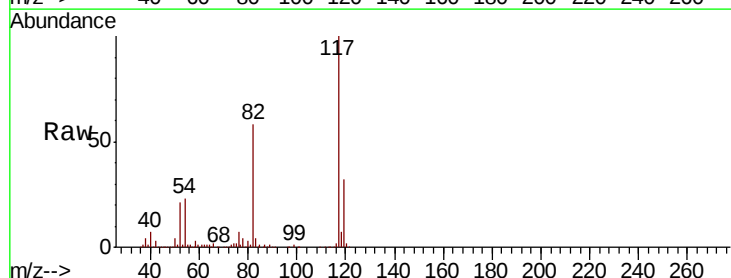
Tgt Ion: 117 Resp: 248709

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

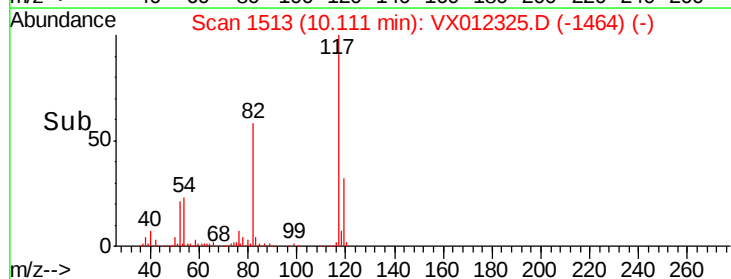
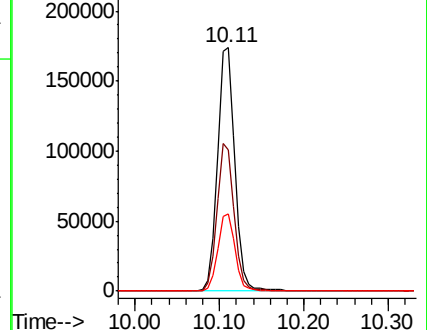
119 31.6 26.6 39.8

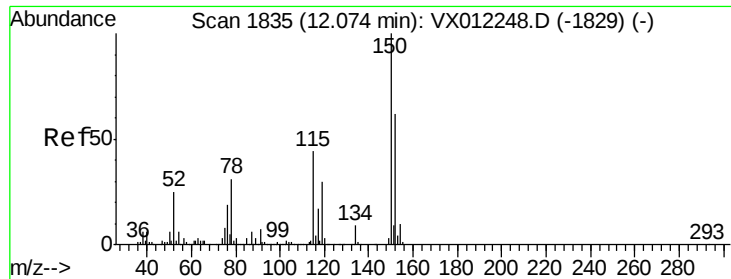


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

T1-4-(0)

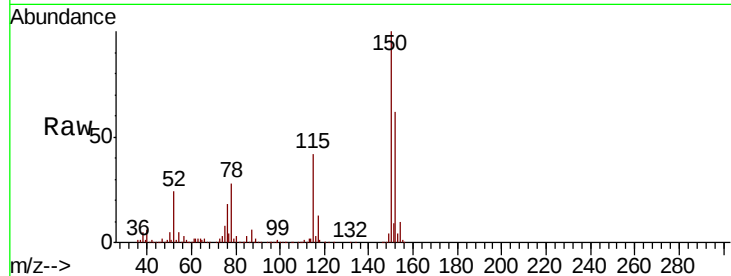
Tgt Ion:152 Resp: 98613

Ion Ratio Lower Upper

152 100

115 66.7 45.5 136.4

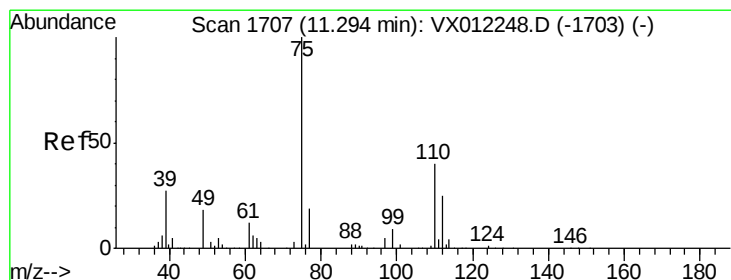
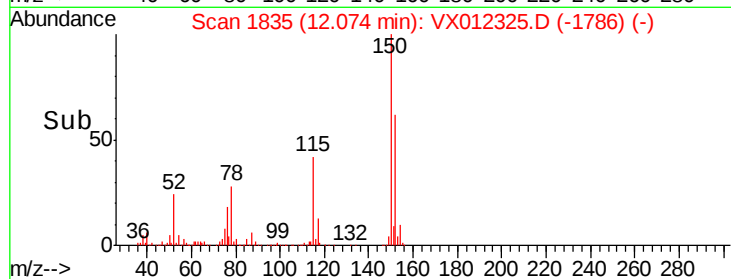
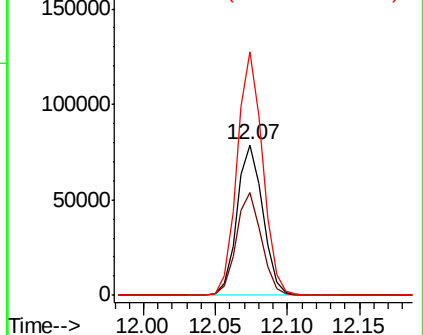
150 160.2 0.0 346.4



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: 52.046 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012325.D

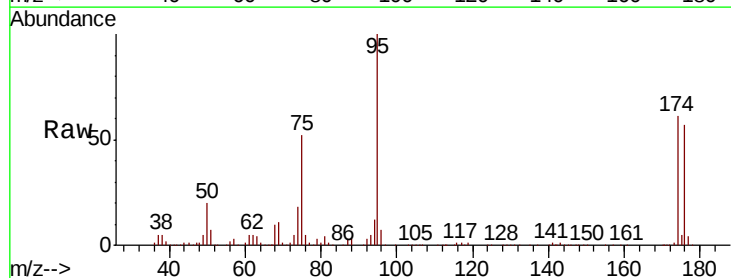
Acq: 12 Sep 2019 02:46

Tgt Ion: 75 Resp: 65934

Ion Ratio Lower Upper

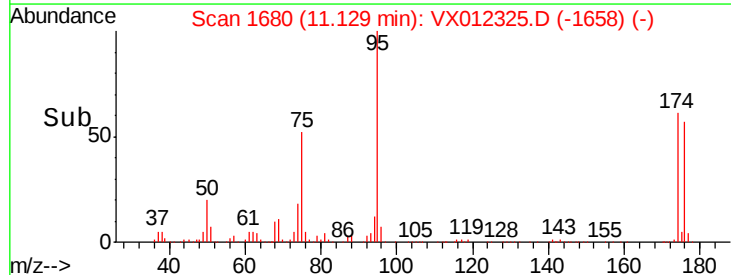
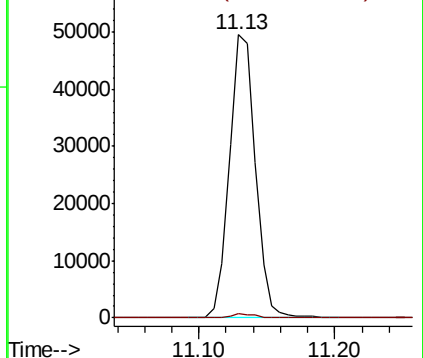
75 100

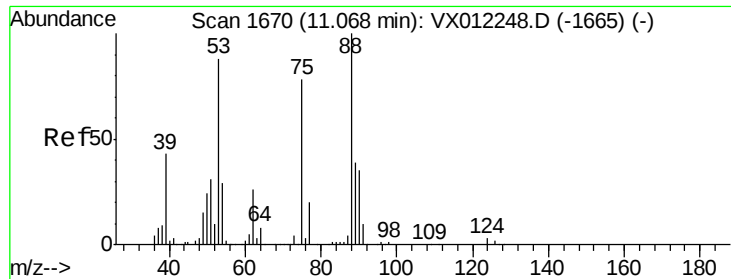
77 1.5 19.7 59.0#



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: 155.943 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012325.D

Acq: 12 Sep 2019 02:46

Instrument :

MSVOA_X

ClientSampleId :

T1-4(0)

Tgt Ion: 75 Resp: 65934

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

