

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012294.D
 Acq On : 11 Sep 2019 11:26
 Operator : SY/SP
 Sample : K4680-18RE
 Misc : 5.64g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-4(0)

Quant Time: Sep 12 05:37:22 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	163504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	276980	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	215680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	67930	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	112186	48.53	ug/l	0.00
Spiked Amount						
			Recovery	=	97.06%	
35) Dibromofluoromethane	5.48	113	85833	48.34	ug/l	0.00
Spiked Amount						
			Recovery	=	96.68%	
50) Toluene-d8	8.71	98	322919	51.85	ug/l	0.00
Spiked Amount						
			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.14	95	99556	34.48	ug/l	0.00
Spiked Amount						
			Recovery	=	68.96%	

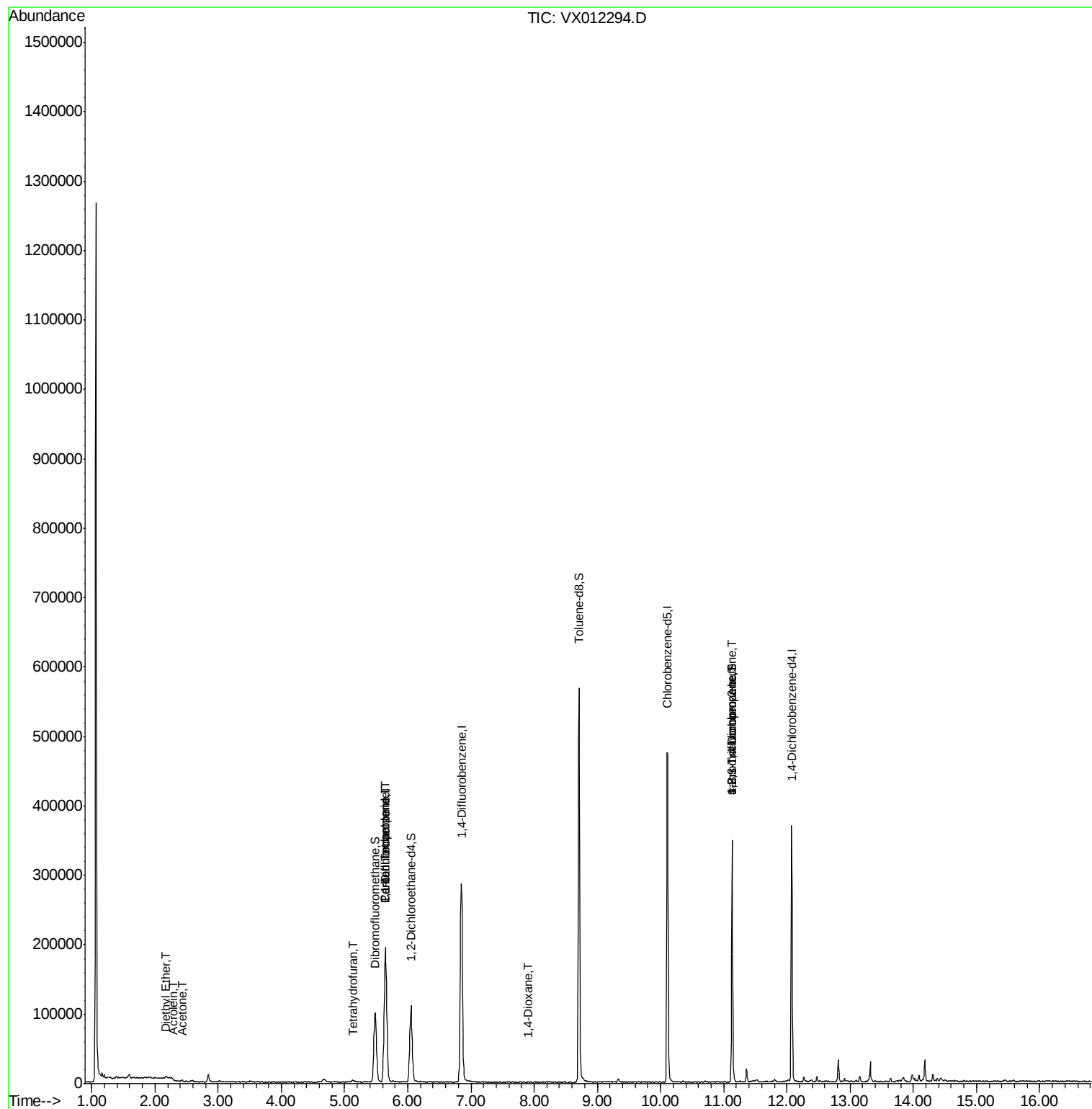
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	432	Below Cal	#	33
8) Diethyl Ether	2.17	74	1009	1.368	ug/l	99
11) Tert butyl alcohol	3.03	59	1561	Below Cal		97
13) Acrolein	2.29	56	252	2.085	ug/l	91
16) Acetone	2.43	43	2832	5.175	ug/l	99
20) Methylene Chloride	2.84	84	4353	Below Cal		87
29) Tetrahydrofuran	5.12	42	2830	7.498	ug/l	94
36) 1,1-Dichloropropene	5.65	75	15220	7.536	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19696	8.312	ug/l #	15
49) 1,4-Dioxane	7.92	88	20	1.176	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52868	60.582	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	52868	181.519	ug/l #	5

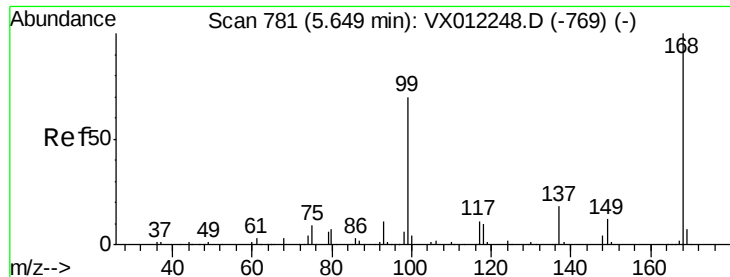
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Time: Sep 12 05:37:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
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: VX012294.D

Acq: 11 Sep 2019 11:26

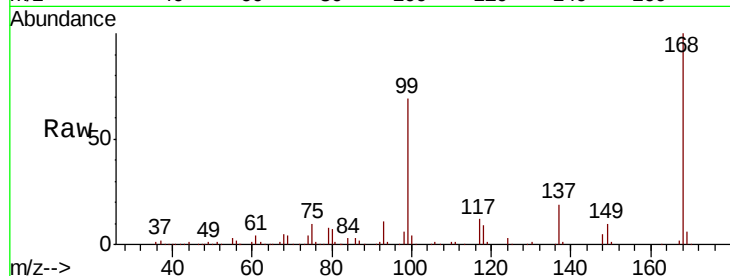
Instrument :
MSVOA_X
ClientSampleId :
T3-4-(0)

Tgt Ion: 168 Resp: 163504

Ion Ratio Lower Upper

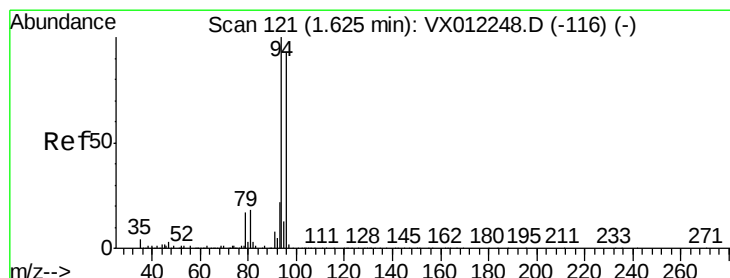
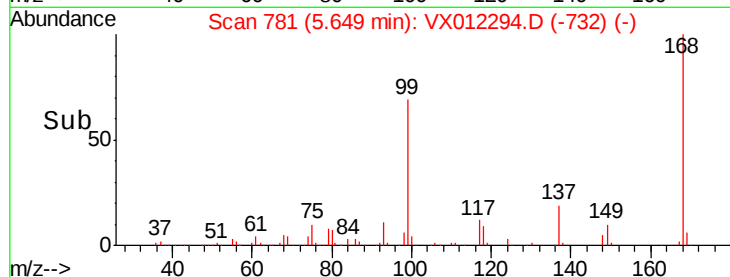
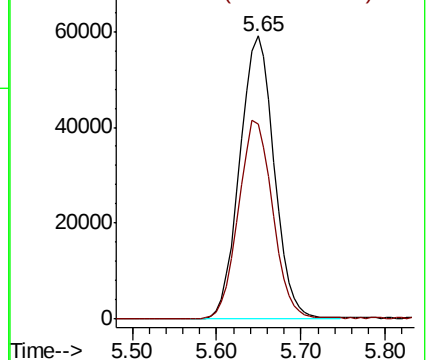
168 100

99 69.0 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012294.D

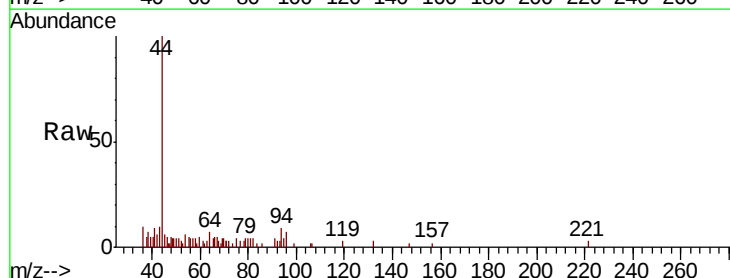
Acq: 11 Sep 2019 11:26

Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

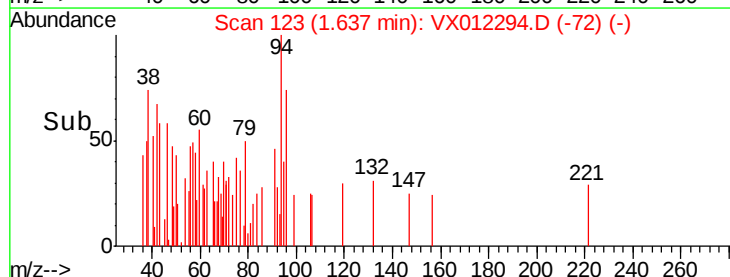
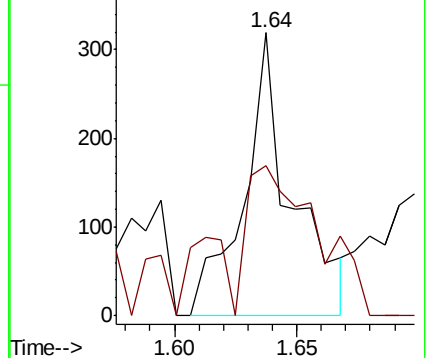
94 100

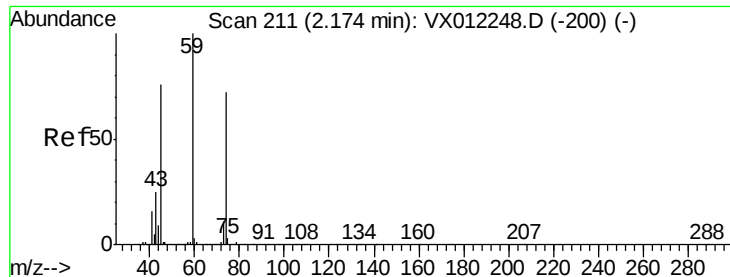
96 28.8 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

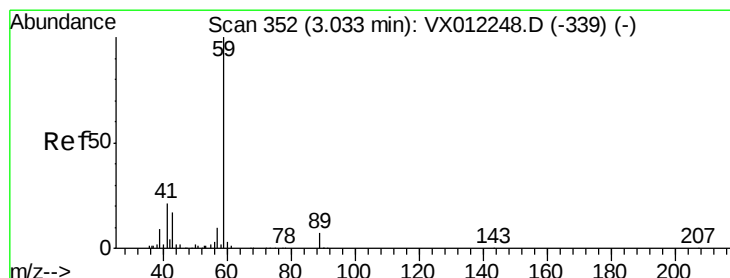
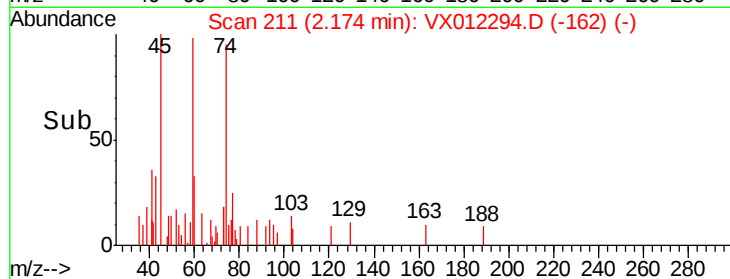
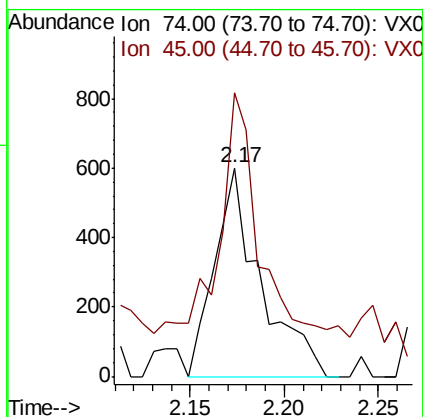
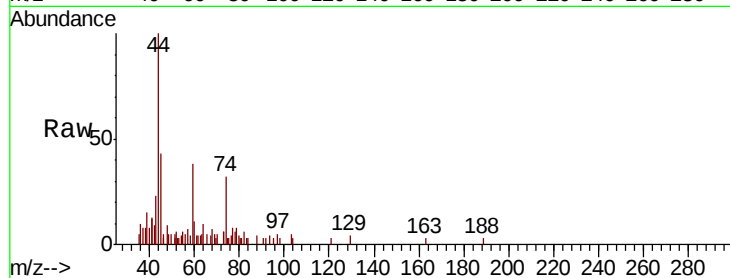




#8
Diethyl Ether
Concen: 1.368 ug/l
RT: 2.17 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX012294.D
Acq: 11 Sep 2019 11:26

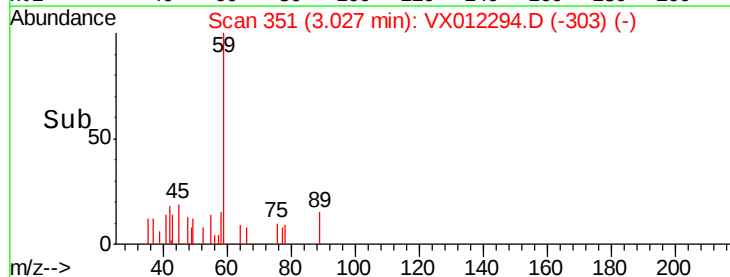
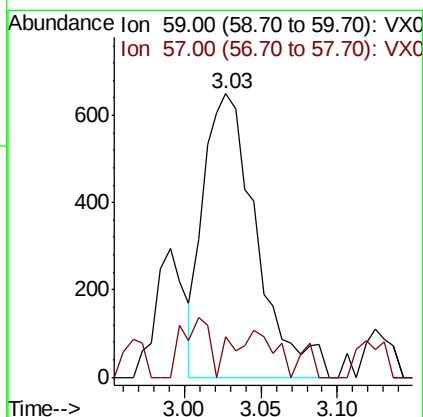
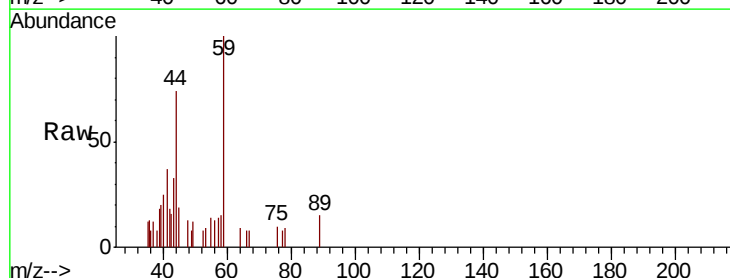
Instrument :
MSVOA_X
ClientSampled :
T3-4-(0)

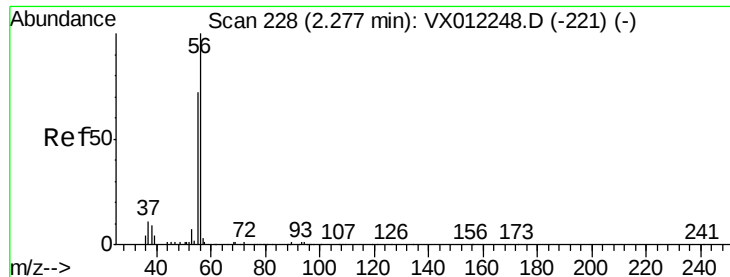
Tgt Ion: 74 Resp: 1009
Ion Ratio Lower Upper
74 100
45 103.7 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012294.D
Acq: 11 Sep 2019 11:26

Tgt Ion: 59 Resp: 1561
Ion Ratio Lower Upper
59 100
57 10.8 7.8 11.6





#13

Acrolein

Concen: 2.085 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

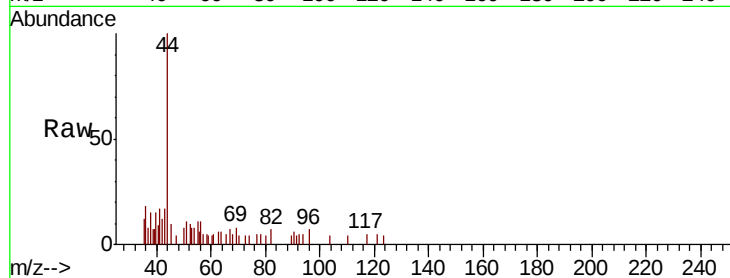
T3-4-(0)

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

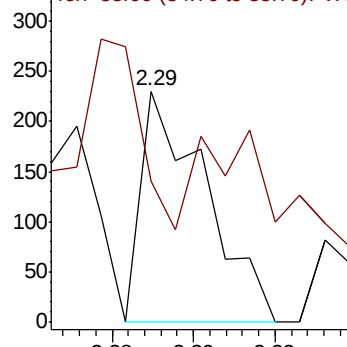
56 100

55 82.1 59.8 89.6

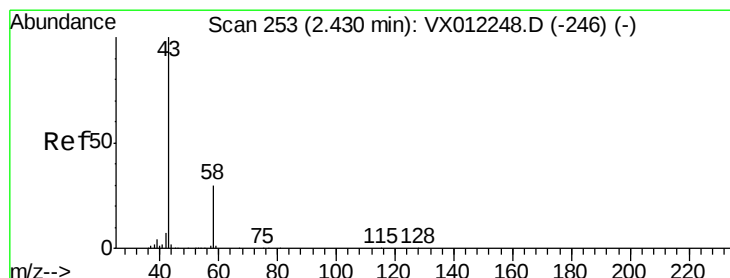
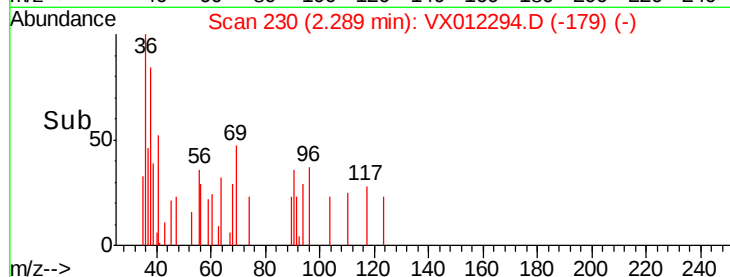


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 5.175 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012294.D

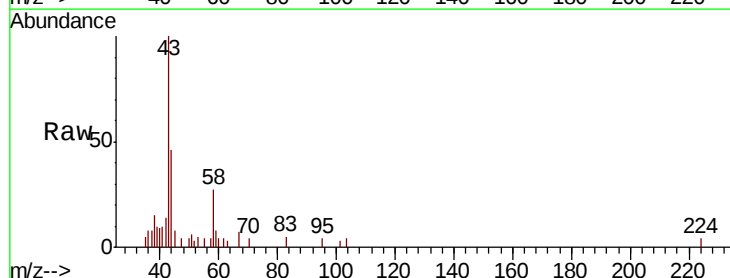
Acq: 11 Sep 2019 11:26

Tgt Ion: 43 Resp: 2832

Ion Ratio Lower Upper

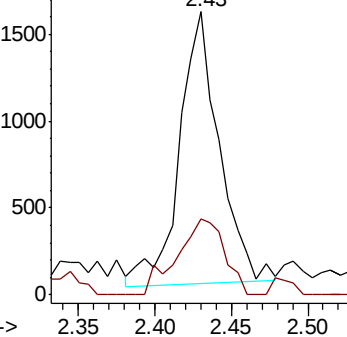
43 100

58 28.8 23.6 35.4

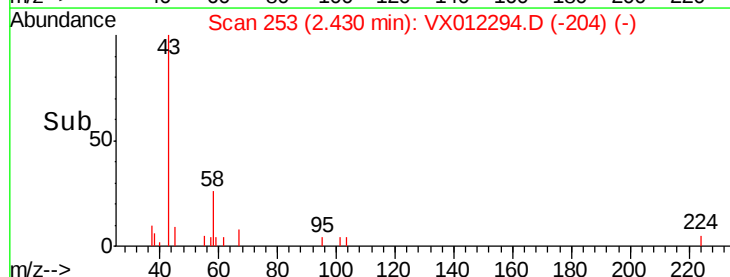


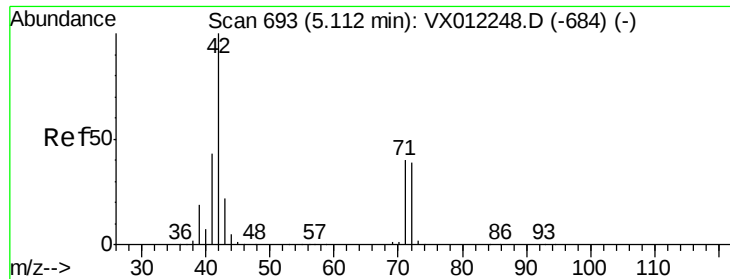
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#29

Tetrahydrofuran

Concen: 7.498 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

T3-4-(0)

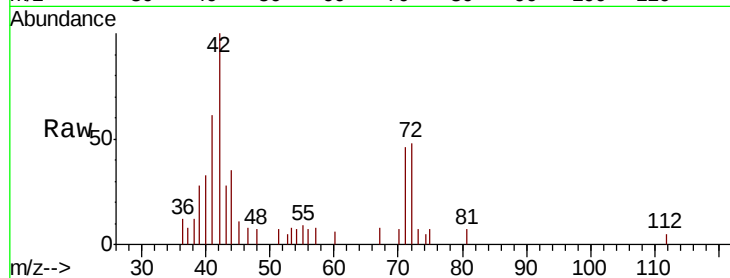
Tgt Ion: 42 Resp: 2830

Ion Ratio Lower Upper

42 100

72 47.1 35.2 52.8

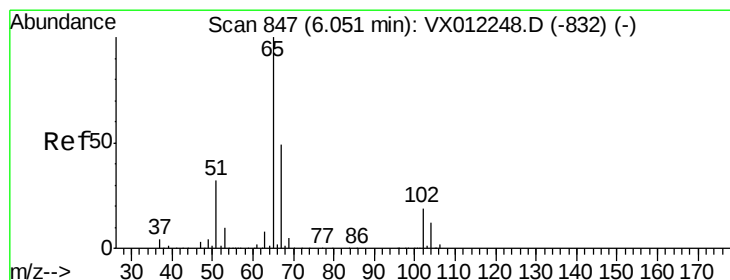
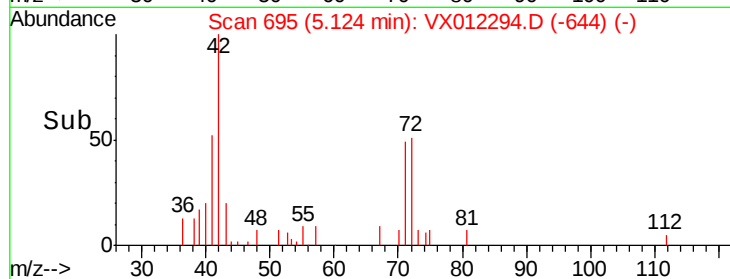
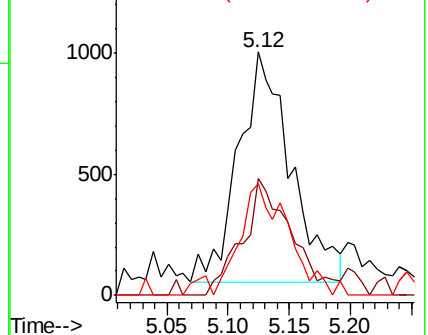
71 45.1 32.5 48.7



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: 48.531 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012294.D

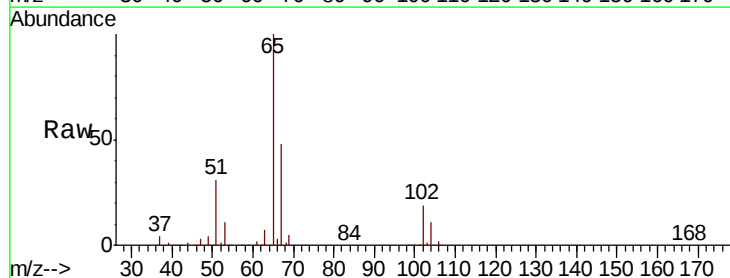
Acq: 11 Sep 2019 11:26

Tgt Ion: 65 Resp: 112186

Ion Ratio Lower Upper

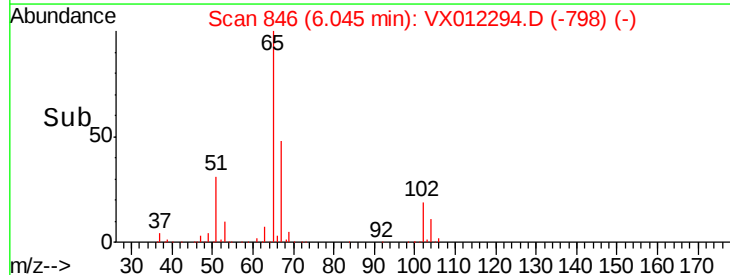
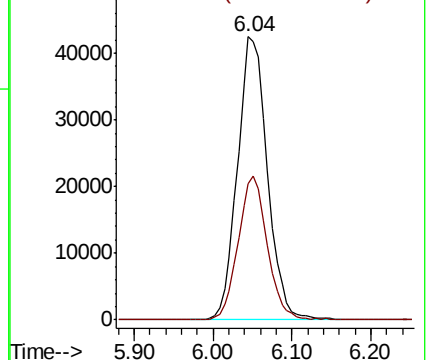
65 100

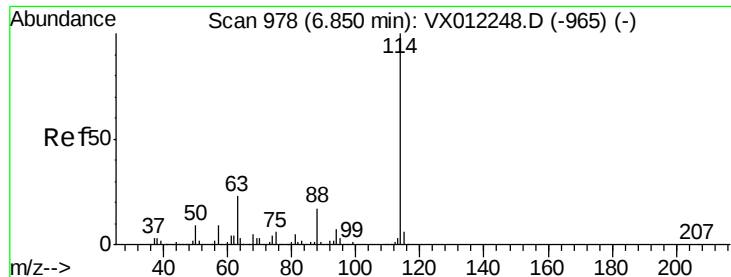
67 49.2 0.0 99.8



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: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

T3-4-(0)

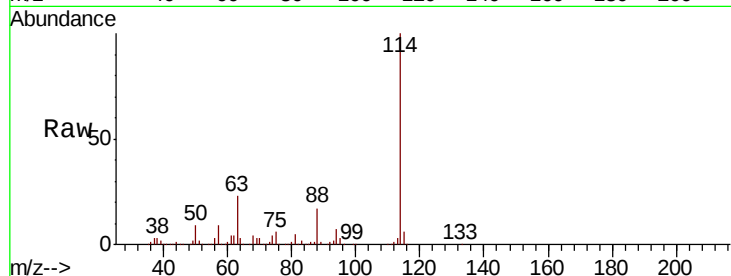
Tgt Ion:114 Resp: 276980

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

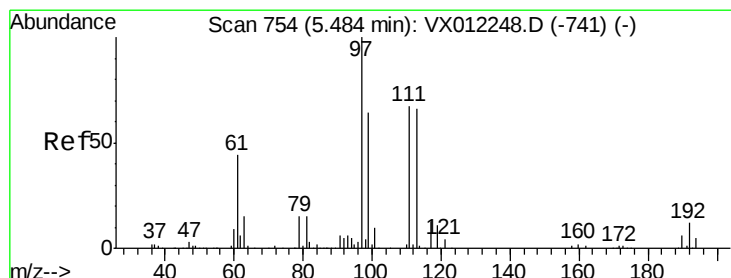
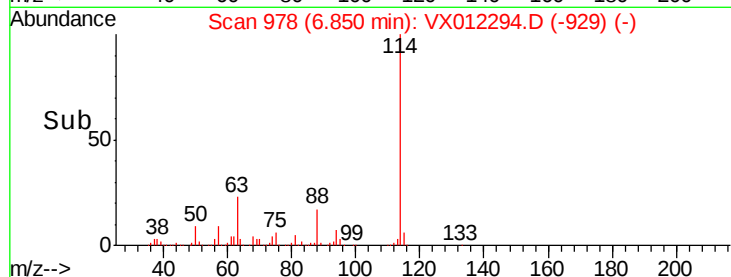
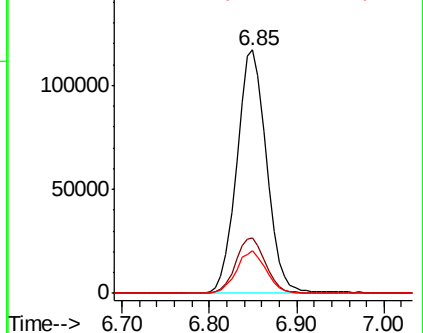
88 17.4 0.0 34.8



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: 48.341 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

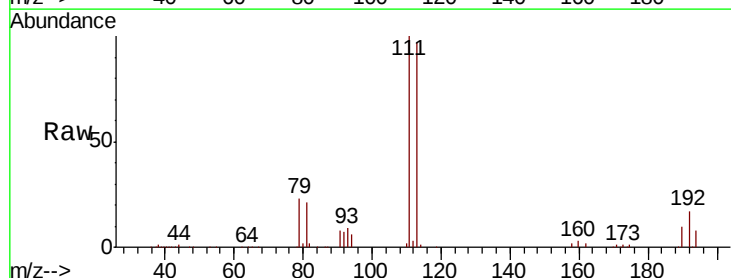
Tgt Ion:113 Resp: 85833

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

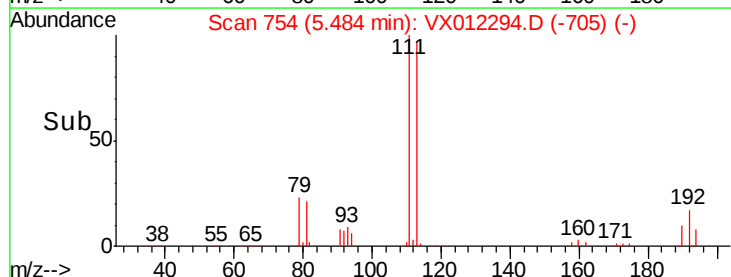
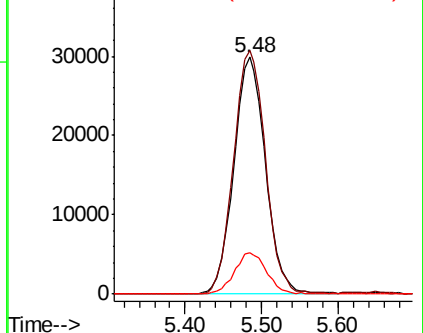
192 17.7 14.3 21.5

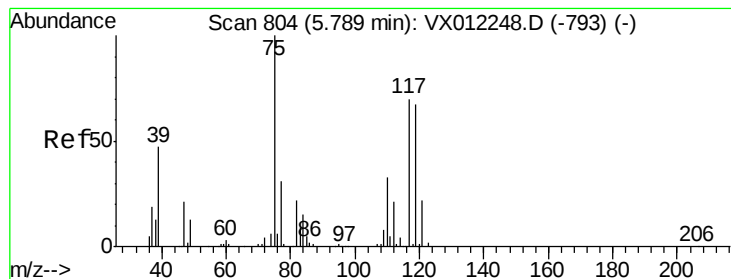


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.536 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

T3-4-(0)

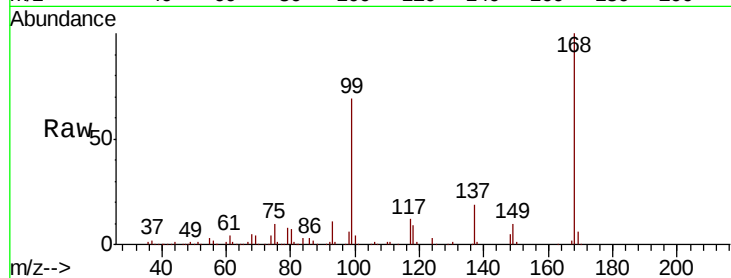
Tgt Ion: 75 Resp: 15220

Ion Ratio Lower Upper

75 100

110 11.2 16.8 50.4#

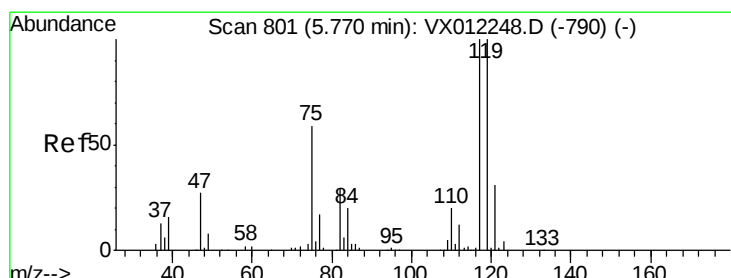
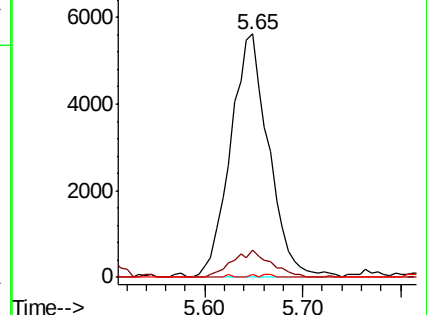
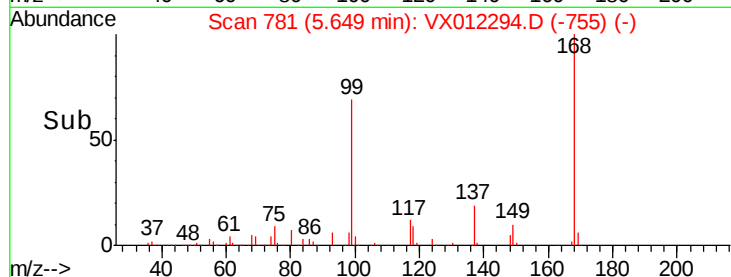
77 0.2 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX012294.D (-755) (-)

Ion 109.90 (109.60 to 110.60): VX012294.D (-755) (-)

Ion 76.90 (76.60 to 77.60): VX012294.D (-755) (-)



#38

Carbon Tetrachloride

Concen: 8.312 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

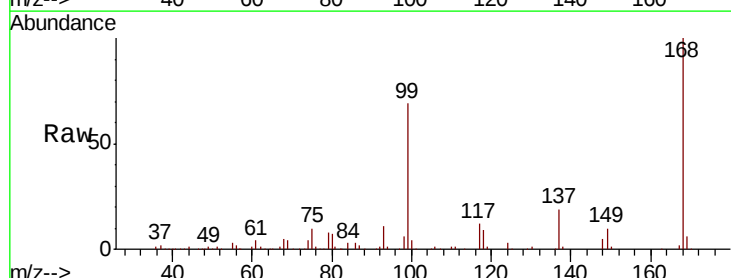
Tgt Ion: 117 Resp: 19696

Ion Ratio Lower Upper

117 100

119 5.3 79.6 119.4#

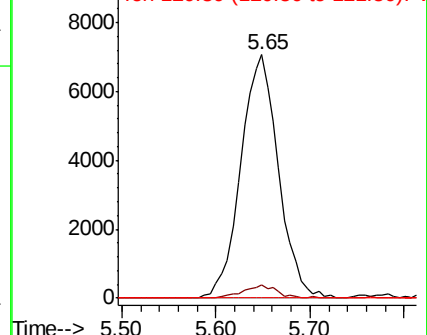
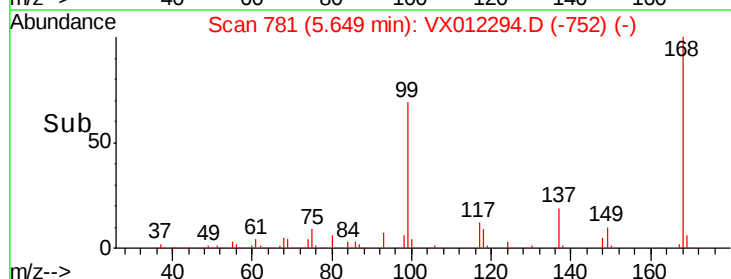
121 0.0 24.7 37.1#

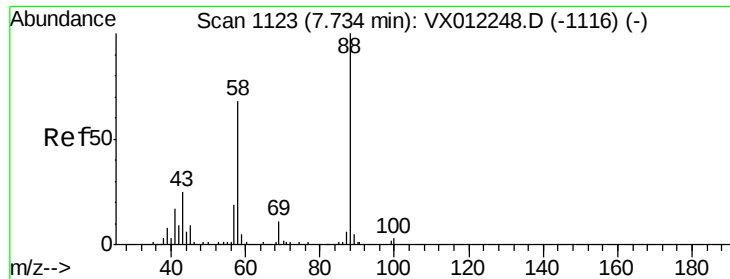


Abundance Ion 116.80 (116.50 to 117.50): VX012294.D (-752) (-)

Ion 118.80 (118.50 to 119.50): VX012294.D (-752) (-)

Ion 120.80 (120.50 to 121.50): VX012294.D (-752) (-)

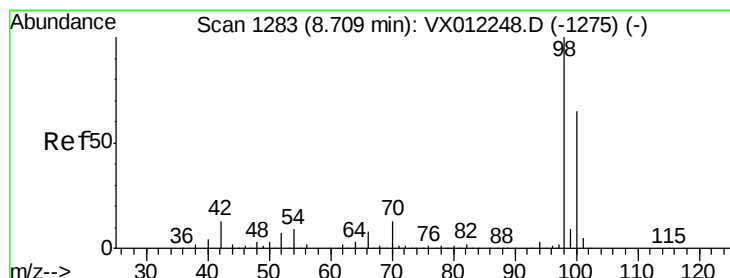
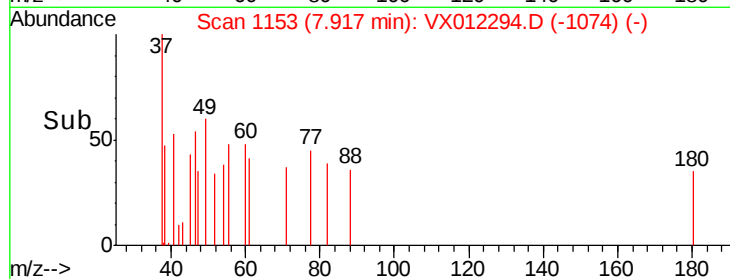
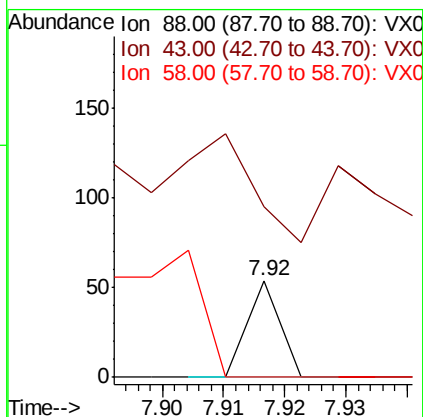
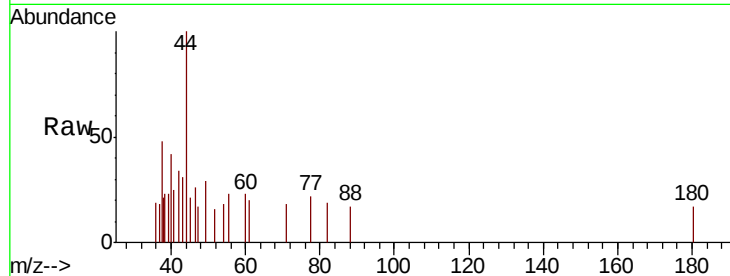




#49
 1,4-Dioxane
 Concen: 1.176 ug/l
 RT: 7.92 min Scan# 1153
 Delta R.T. 0.18 min
 Lab File: VX012294.D
 Acq: 11 Sep 2019 11:26

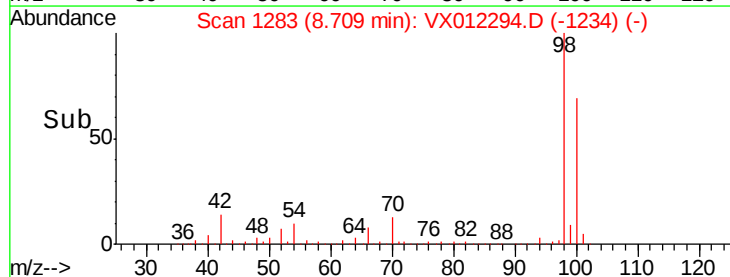
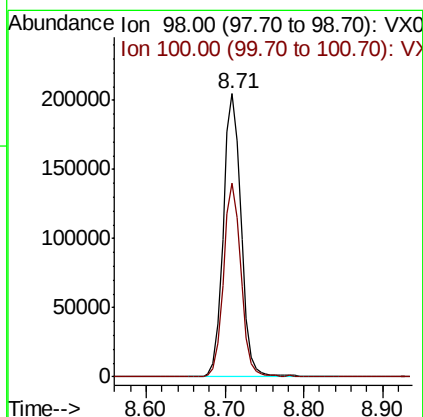
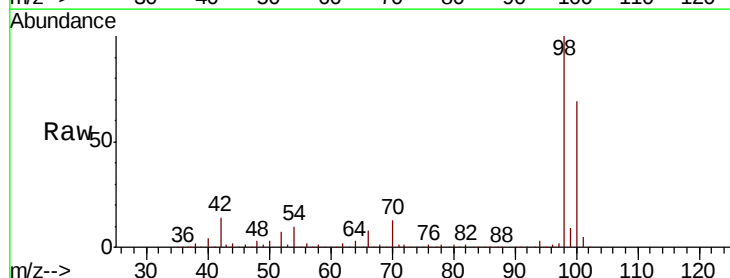
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-4(0)

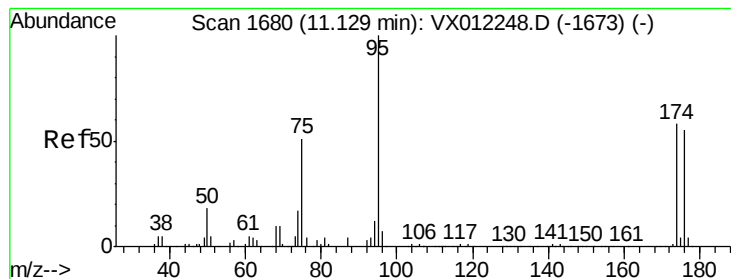
Tgt Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.4#
 58 335.0 61.5 92.3#



#50
 Toluene-d8
 Concen: 51.853 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012294.D
 Acq: 11 Sep 2019 11:26

Tgt Ion: 98 Resp: 322919
 Ion Ratio Lower Upper
 98 100
 100 66.9 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 34.483 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampled :

T3-4-(0)

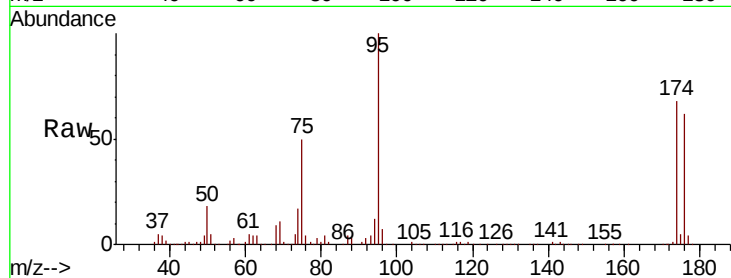
Tgt Ion: 95 Resp: 99556

Ion Ratio Lower Upper

95 100

174 66.1 0.0 127.0

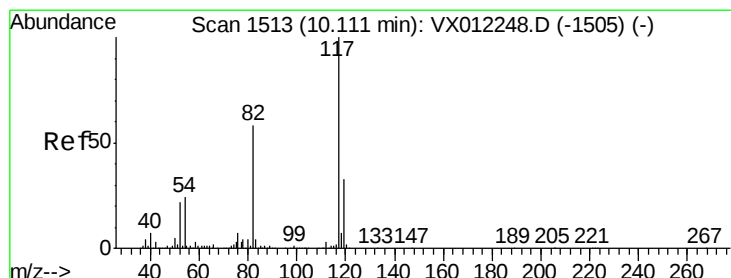
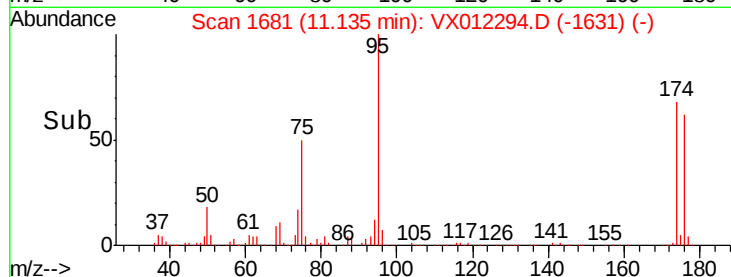
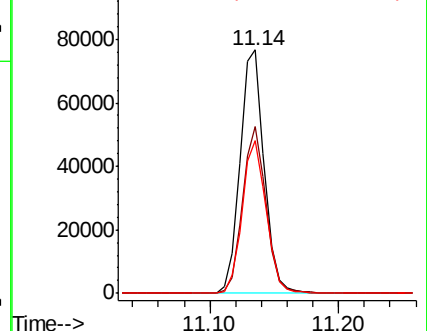
176 62.2 0.0 125.8



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: VX012294.D

Acq: 11 Sep 2019 11:26

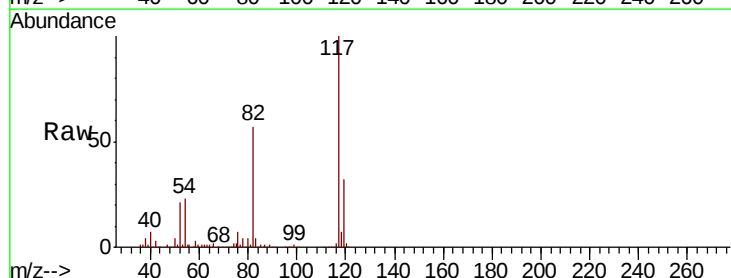
Tgt Ion: 117 Resp: 215680

Ion Ratio Lower Upper

117 100

82 57.4 46.4 69.6

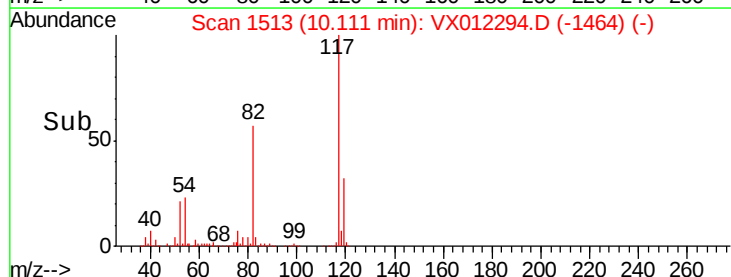
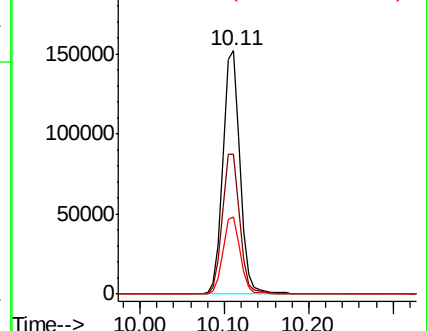
119 31.6 26.6 39.8

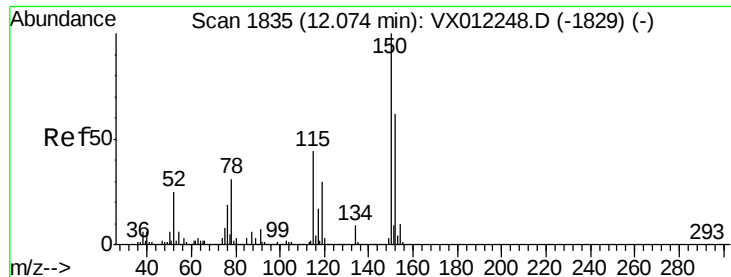


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

T3-4-(0)

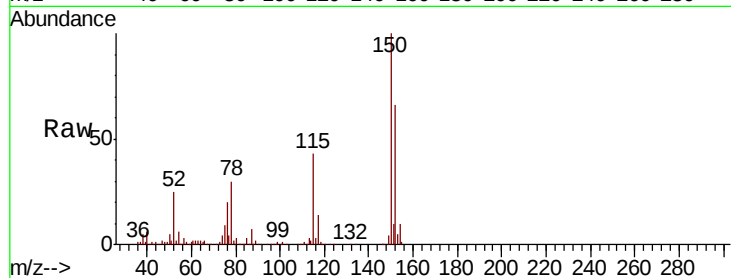
Tgt Ion:152 Resp: 67930

Ion Ratio Lower Upper

152 100

115 66.6 45.5 136.4

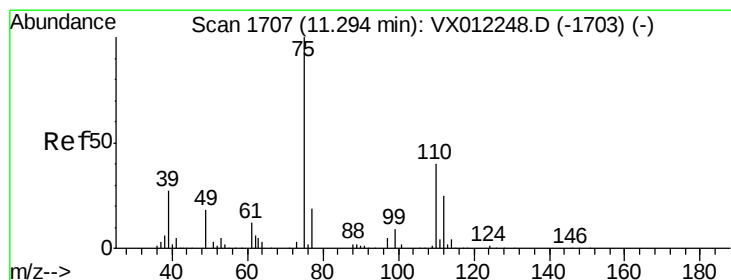
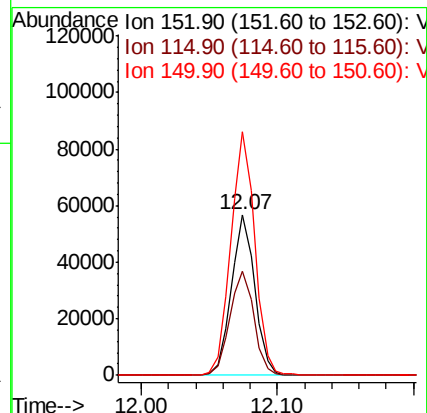
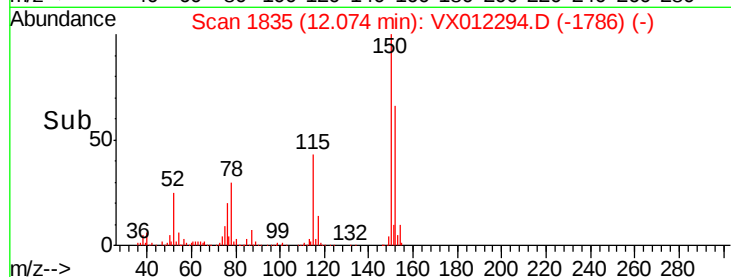
150 154.4 0.0 346.4



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: 60.582 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012294.D

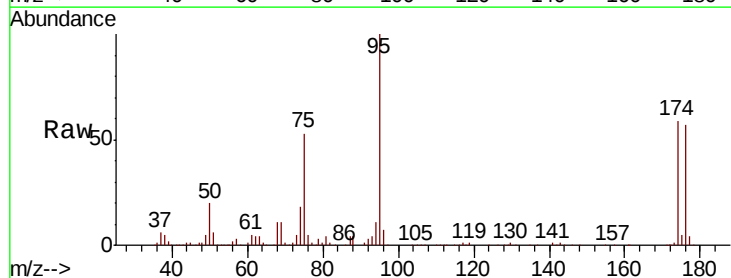
Acq: 11 Sep 2019 11:26

Tgt Ion: 75 Resp: 52868

Ion Ratio Lower Upper

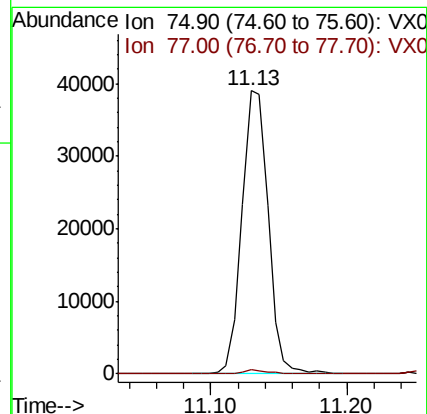
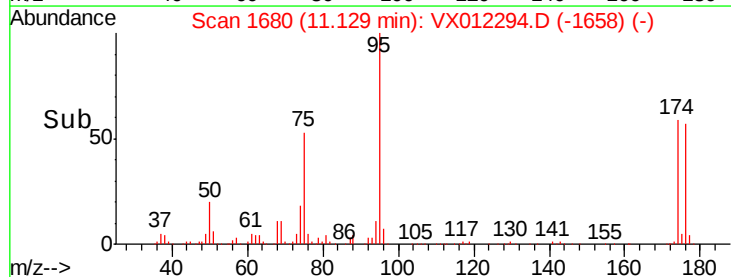
75 100

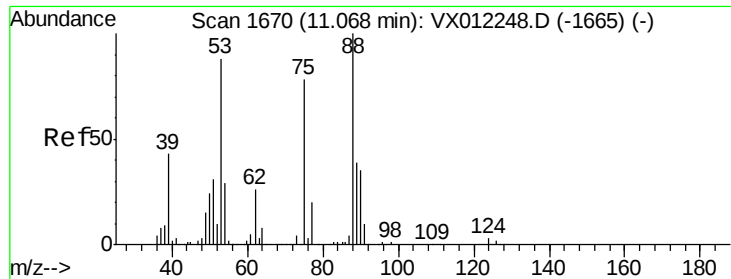
77 1.3 19.7 59.0#



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: 181.519 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012294.D

Acq: 11 Sep 2019 11:26

Instrument :

MSVOA_X

ClientSampleId :

T3-4-(0)

Tgt Ion: 75 Resp: 52868

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#

