

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012274.D
 Acq On : 11 Sep 2019 00:47
 Operator : SY/SP
 Sample : K4624-13
 Misc : 3.84g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A3-(4)

Quant Time: Sep 11 02:29:31 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	169375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	300234	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100341	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	118340	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
35) Dibromofluoromethane	5.48	113	91381	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	8.71	98	353191	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	11.14	95	131408	41.99	ug/l	0.00
Spiked Amount			Recovery	=	83.98%	

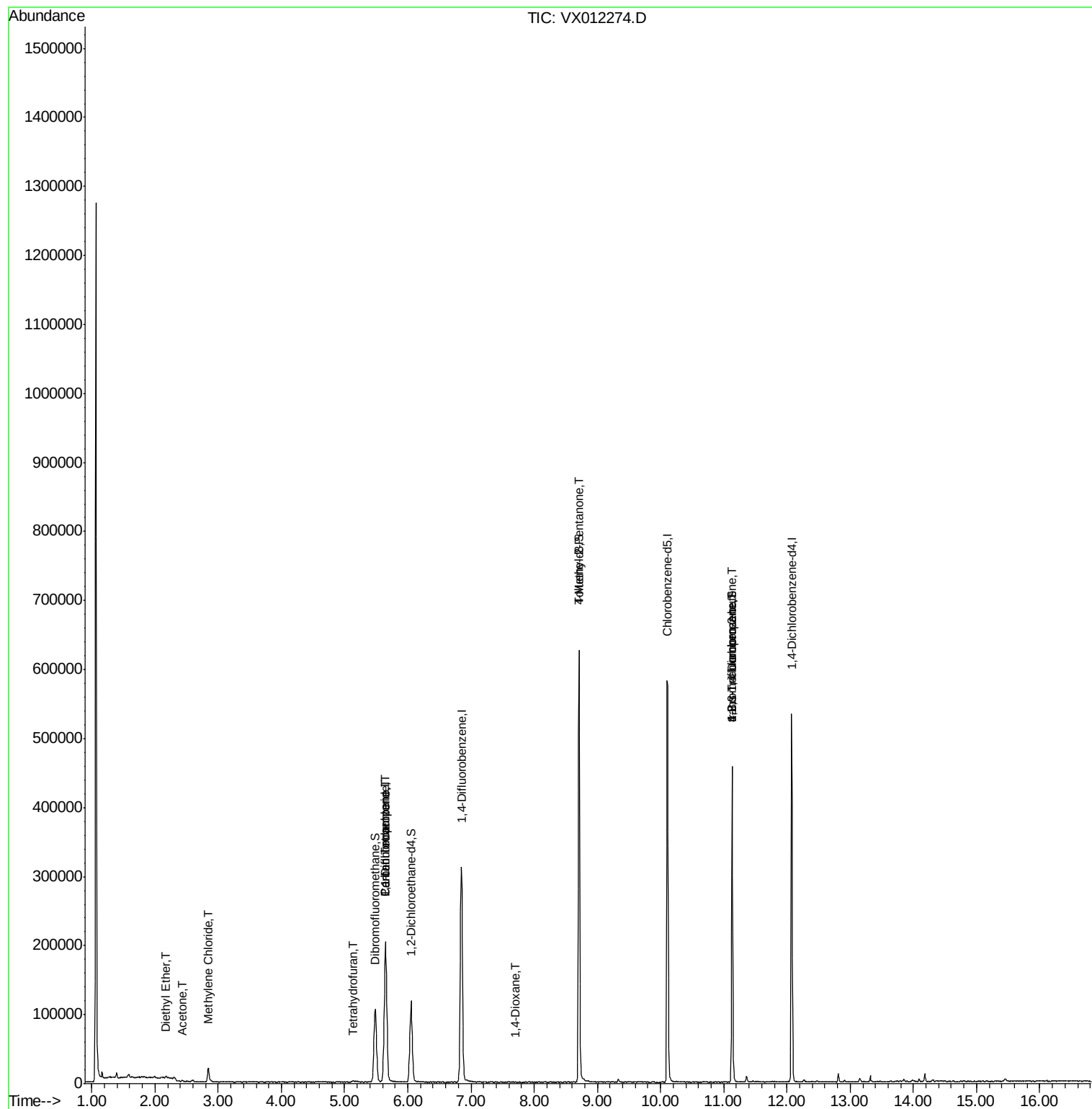
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	304	Below Cal	#	45
8) Diethyl Ether	2.17	74	977	1.278	ug/l	51
11) Tert butyl alcohol	3.04	59	436	Below Cal	#	47
16) Acetone	2.44	43	1637	2.888	ug/l	94
20) Methylene Chloride	2.84	84	8564	2.330	ug/l	94
29) Tetrahydrofuran	5.14	42	2468	6.312	ug/l #	92
36) 1,1-Dichloropropene	5.65	75	16236	7.416	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19718	7.677	ug/l #	15
49) 1,4-Dioxane	7.70	88	22	1.194	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2251	1.495	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	68132	52.855	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	68132	158.366	ug/l #	5

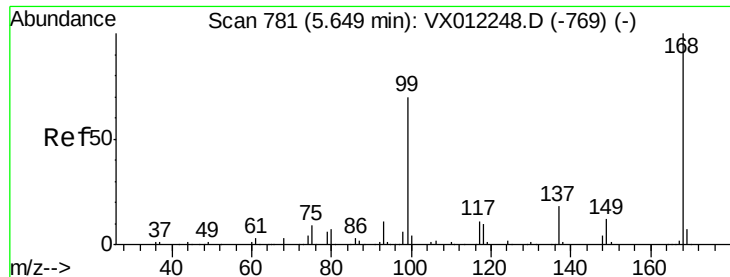
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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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: VX012274.D

Acq: 11 Sep 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

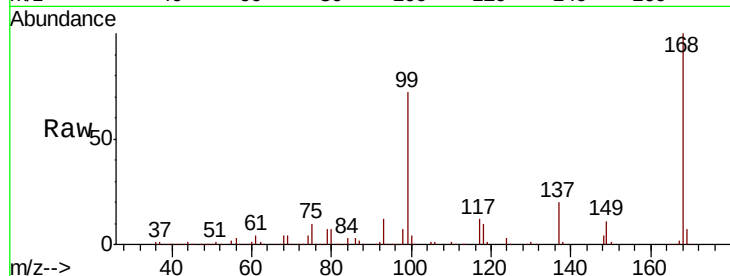
T-11-A3-(4)

Tgt Ion:168 Resp: 169375

Ion Ratio Lower Upper

168 100

99 72.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

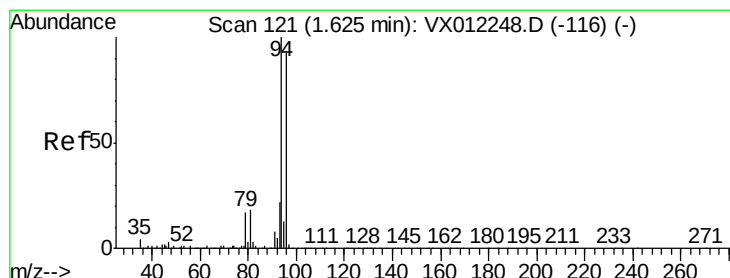
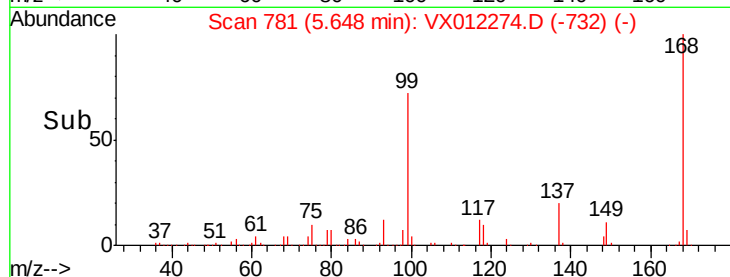
40000

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: VX012274.D

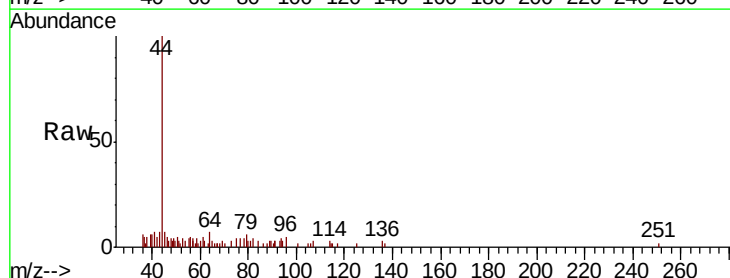
Acq: 11 Sep 2019 00:47

Tgt Ion: 94 Resp: 304

Ion Ratio Lower Upper

94 100

96 39.7 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

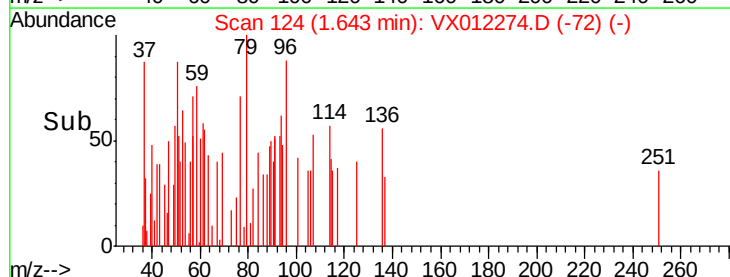
100

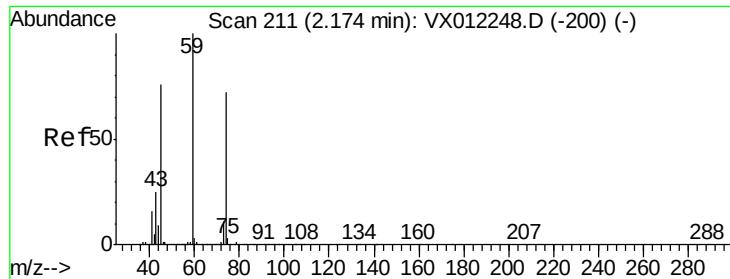
50

0

Time-->

1.60 1.62 1.64 1.66

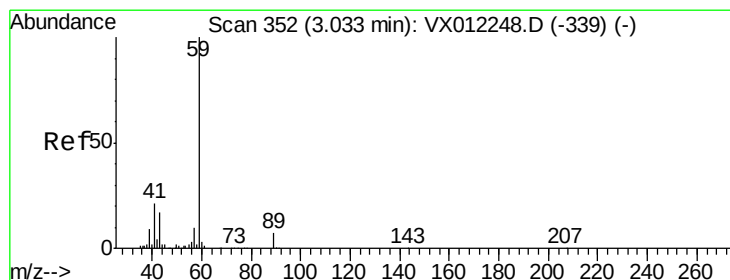
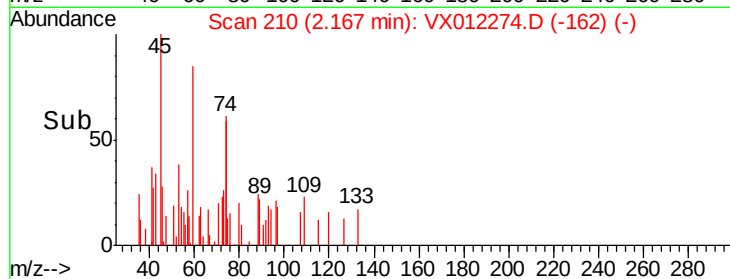
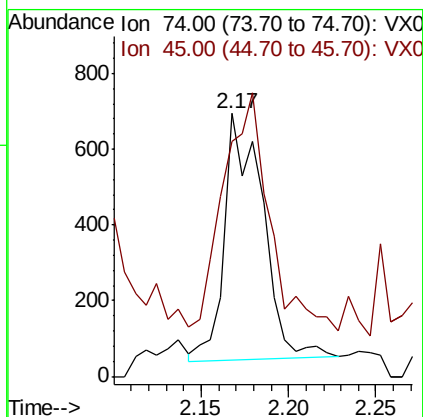
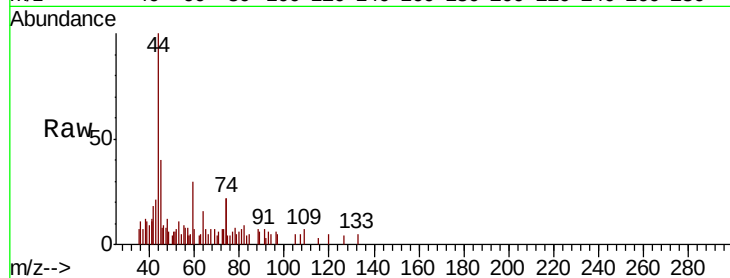




#8
Diethyl Ether
Concen: 1.278 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX012274.D
Acq: 11 Sep 2019 00:47

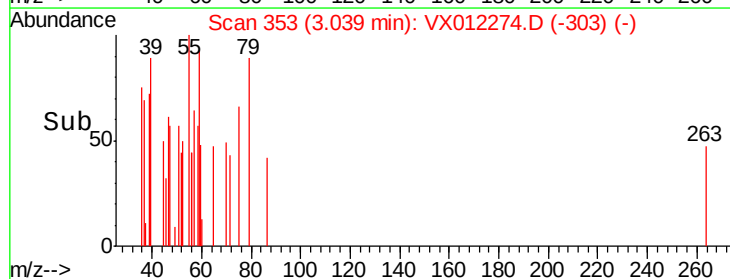
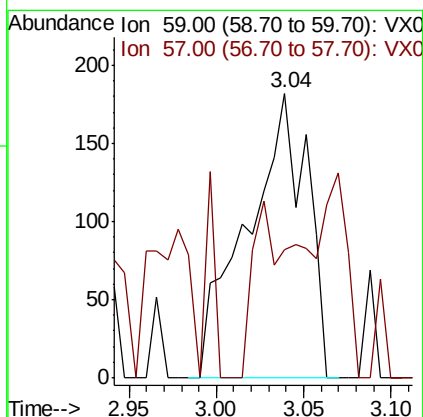
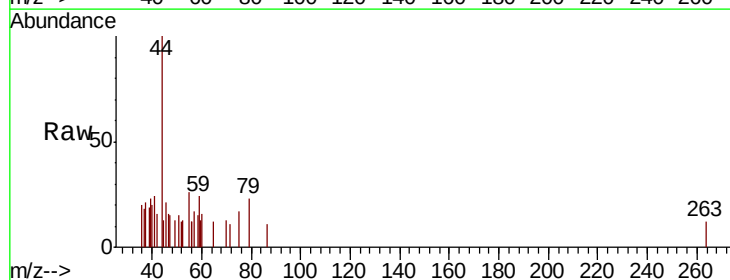
Instrument :
MSVOA_X
ClientSampleId :
T-11-A3-(4)

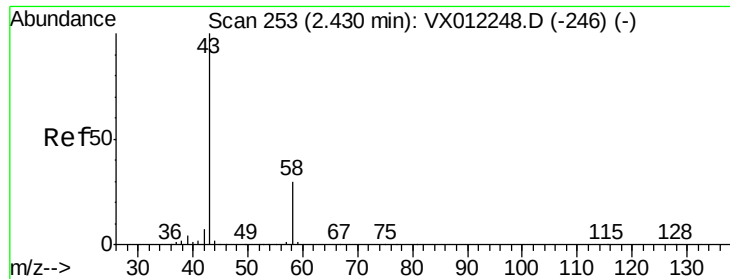
Tgt Ion: 74 Resp: 977
Ion Ratio Lower Upper
74 100
45 152.3 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX012274.D
Acq: 11 Sep 2019 00:47

Tgt Ion: 59 Resp: 436
Ion Ratio Lower Upper
59 100
57 29.4 7.8 11.6#





#16

Acetone

Concen: 2.888 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX012274.D

Acq: 11 Sep 2019 00:47

Instrument :

MSVOA_X

ClientSampled :

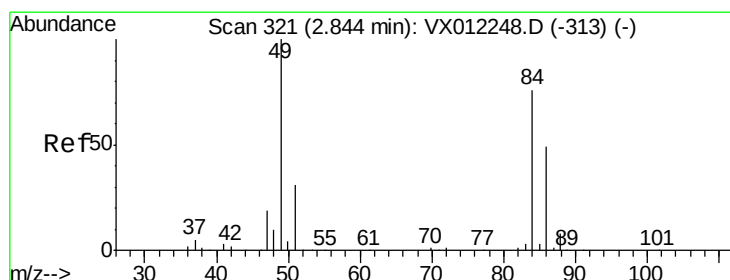
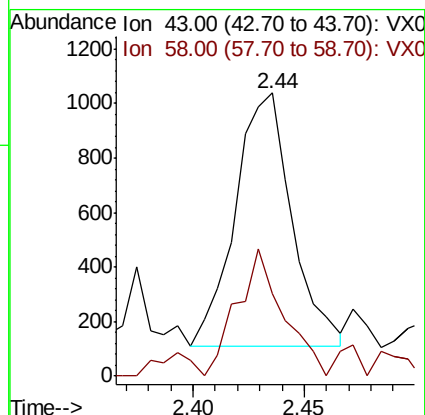
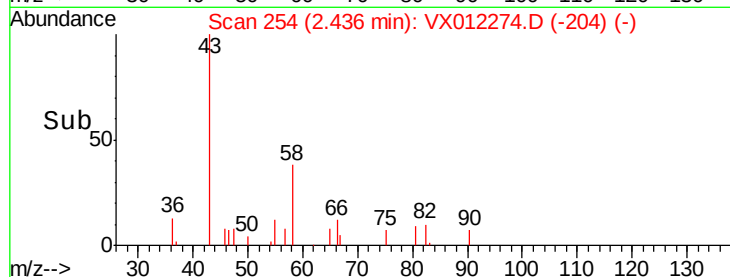
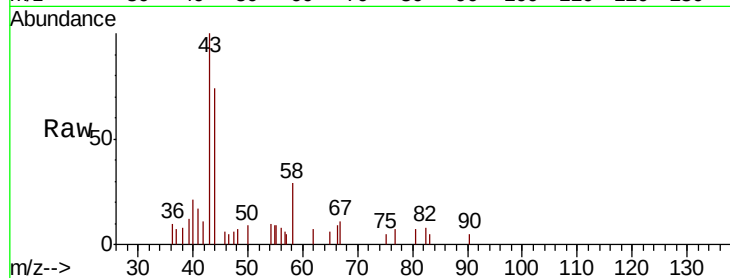
T-11-A3-(4)

Tgt Ion: 43 Resp: 1637

Ion Ratio Lower Upper

43 100

58 26.2 23.6 35.4



#20

Methylene Chloride

Concen: 2.330 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX012274.D

Acq: 11 Sep 2019 00:47

Tgt Ion: 84 Resp: 8564

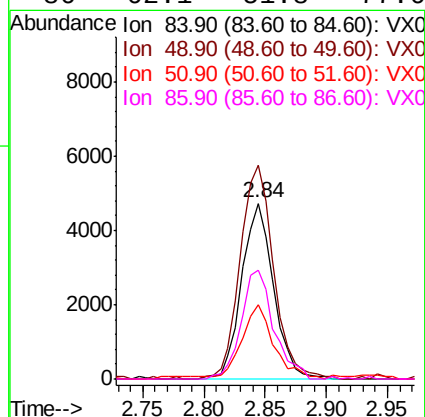
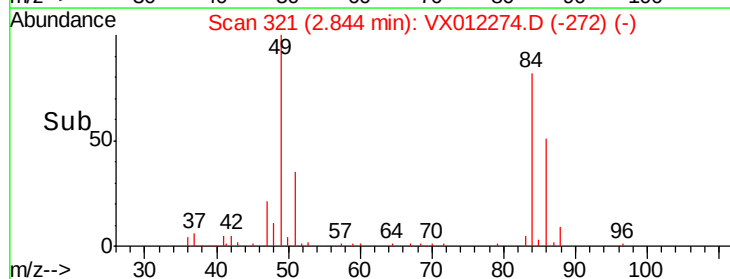
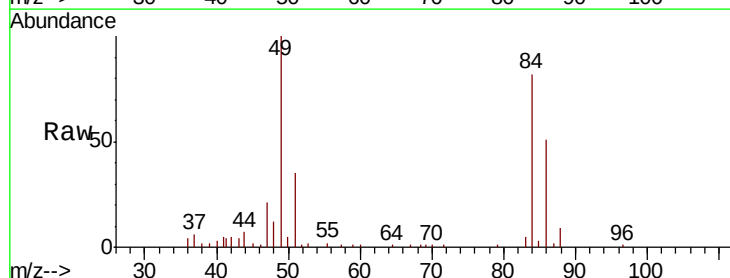
Ion Ratio Lower Upper

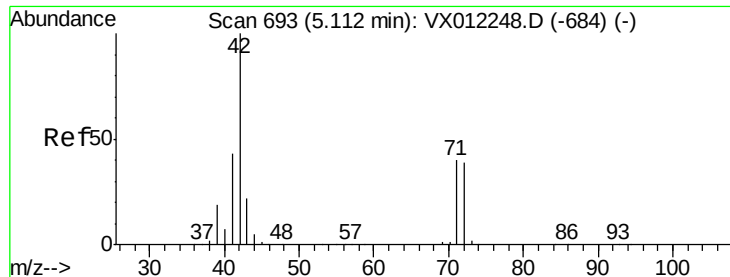
84 100

49 121.4 105.0 157.6

51 40.7 32.6 48.8

86 62.1 51.8 77.6





#29

Tetrahydrofuran

Concen: 6.312 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012274.D

Acq: 11 Sep 2019 00:47

Instrument :

MSVOA_X

ClientSampled :

T-11-A3-(4)

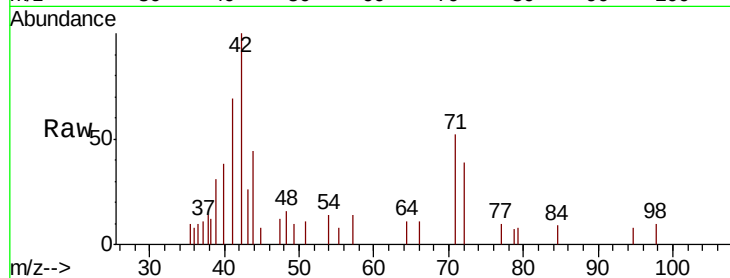
Tgt Ion: 42 Resp: 2468

Ion Ratio Lower Upper

42 100

72 33.9 35.2 52.8#

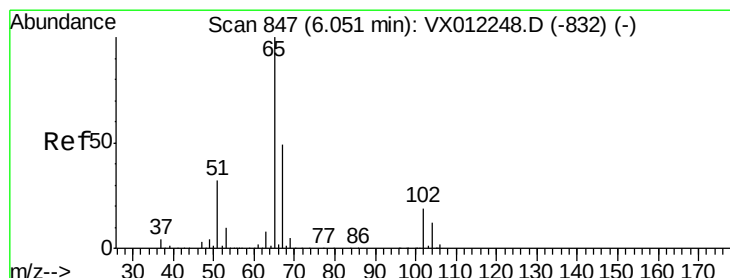
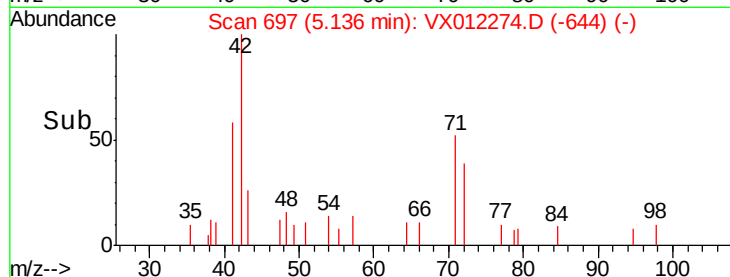
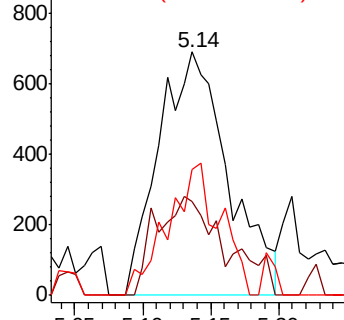
71 40.4 32.5 48.7



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: 49.419 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012274.D

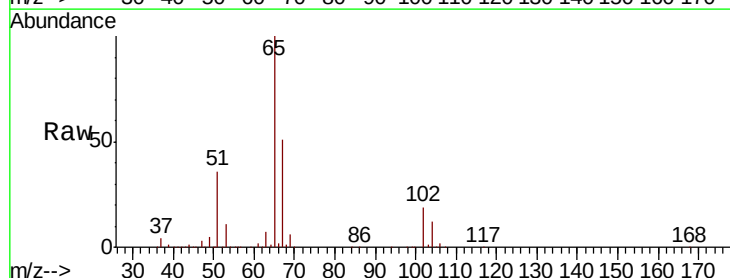
Acq: 11 Sep 2019 00:47

Tgt Ion: 65 Resp: 118340

Ion Ratio Lower Upper

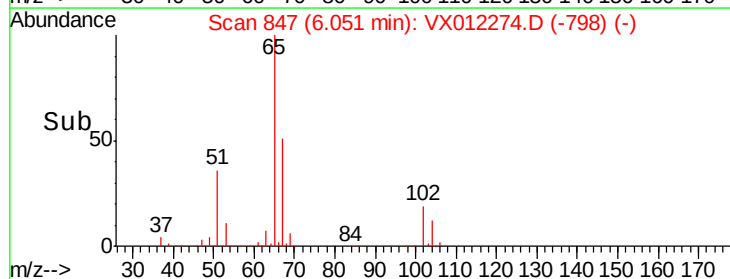
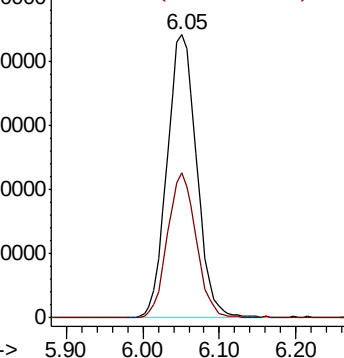
65 100

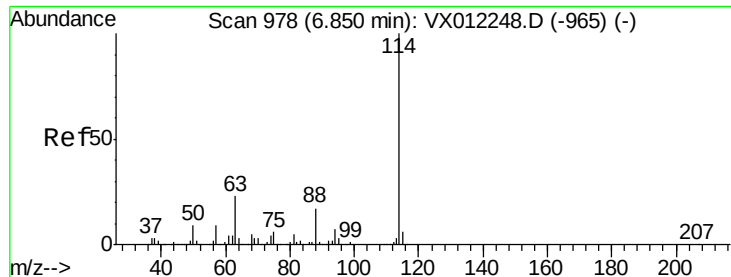
67 49.6 0.0 99.8



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: VX012274.D

Acq: 11 Sep 2019 00:47

Instrument :

MSVOA_X

ClientSampleId :

T-11-A3-(4)

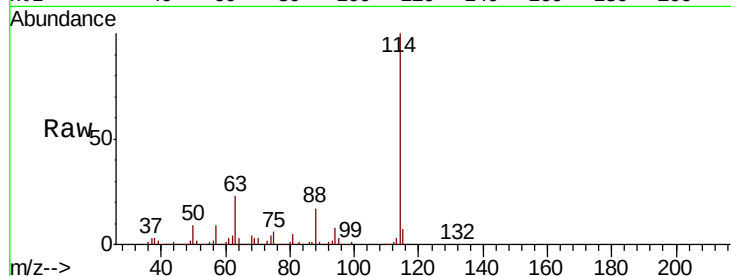
Tgt Ion:114 Resp: 300234

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

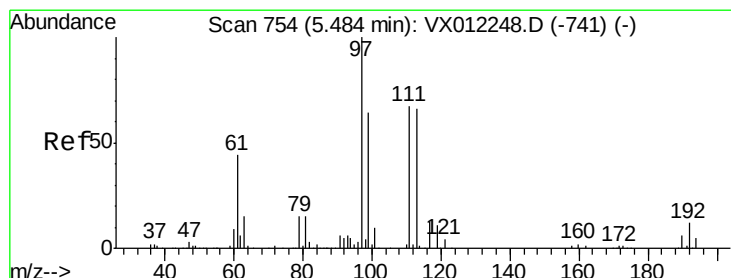
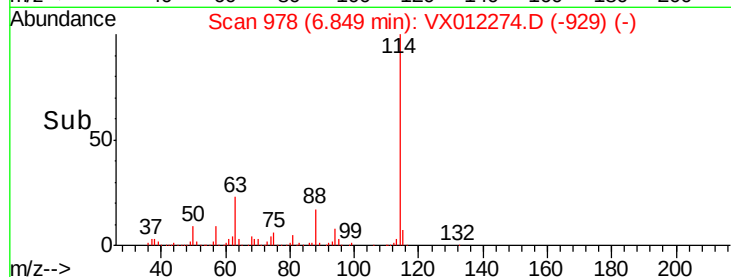
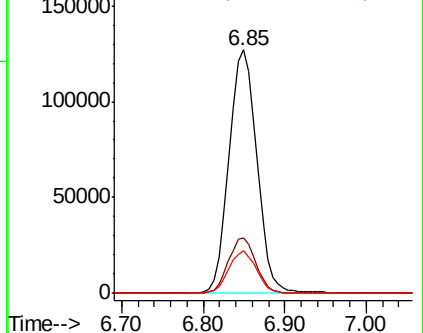
88 17.3 0.0 34.8



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: 47.480 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012274.D

Acq: 11 Sep 2019 00:47

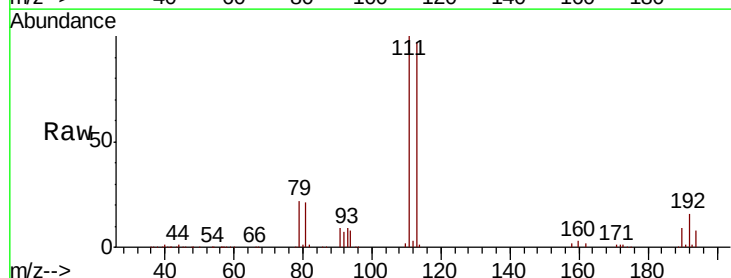
Tgt Ion:113 Resp: 91381

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.6

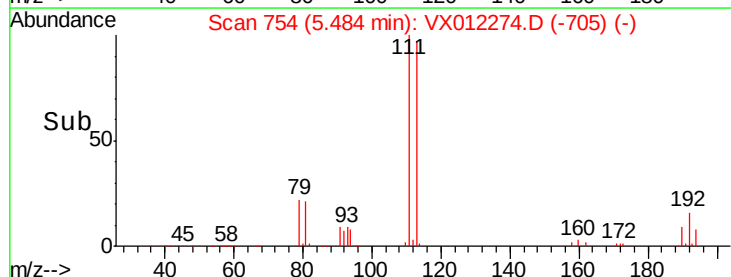
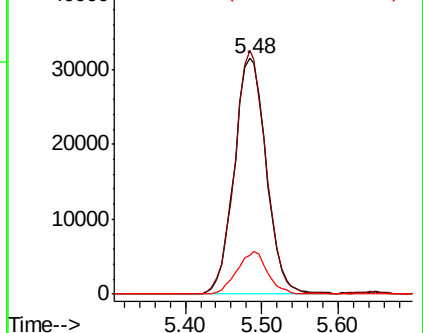
192 17.2 14.3 21.5

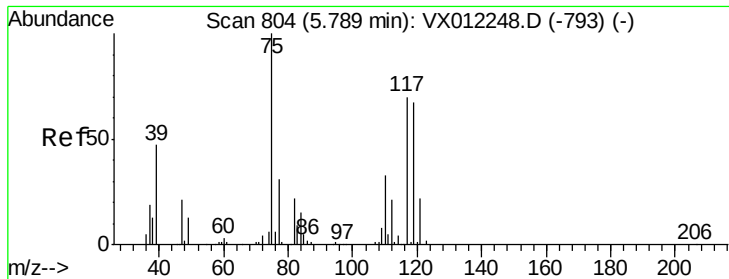


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

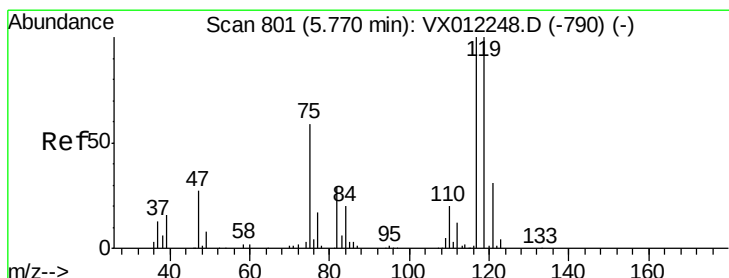
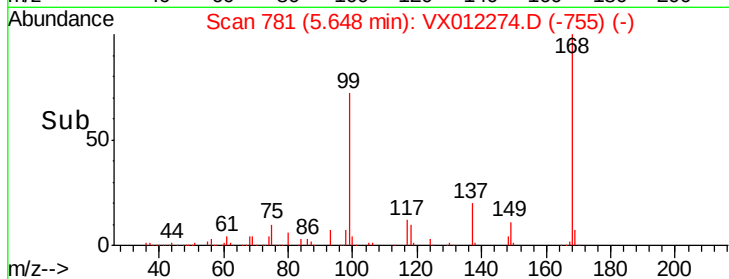
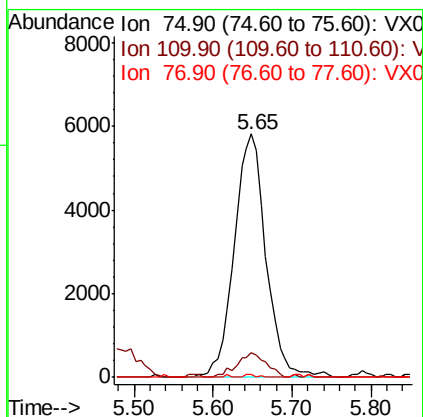
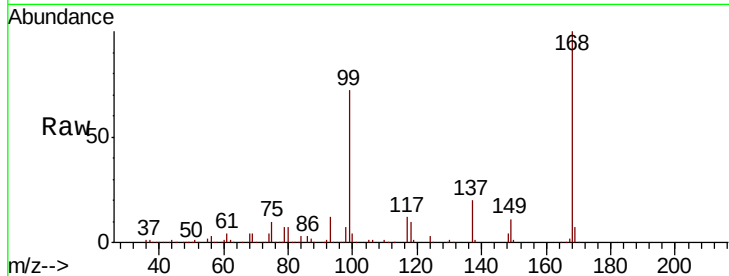




#36
 1,1-Dichloropropene
 Concen: 7.416 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

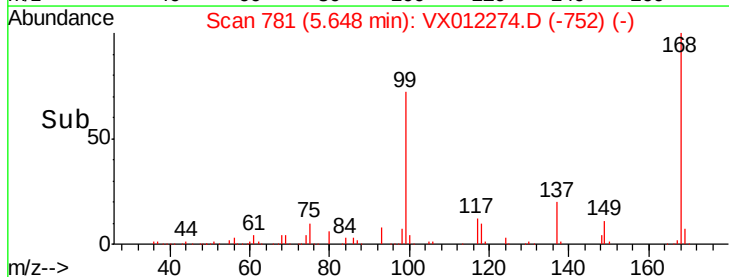
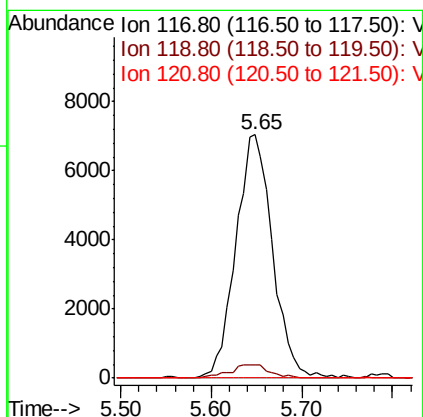
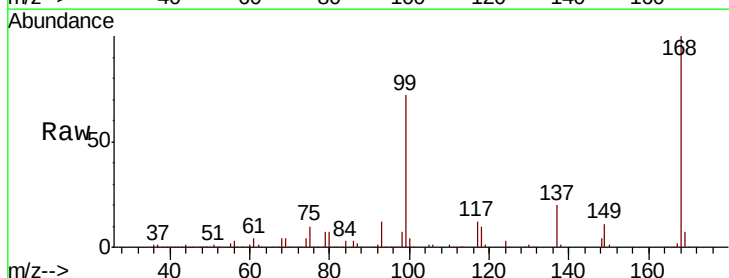
Instrument :
 MSVOA_X
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 T-11-A3-(4)

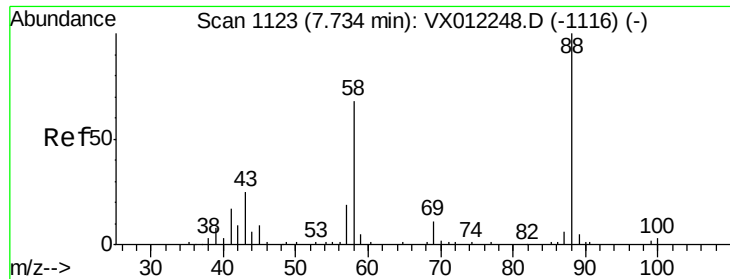
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.8	50.4#
77	0.4	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 7.677 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	79.6	119.4#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 1.194 ug/l

RT: 7.70 min Scan# 1117

Delta R.T. -0.04 min

Lab File: VX012274.D

Acq: 11 Sep 2019 00:47

Instrument :

MSVOA_X

ClientSampled :

T-11-A3-(4)

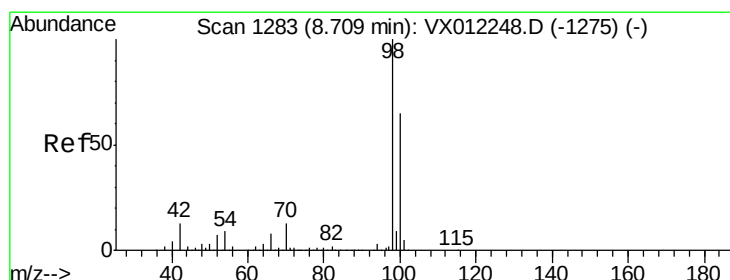
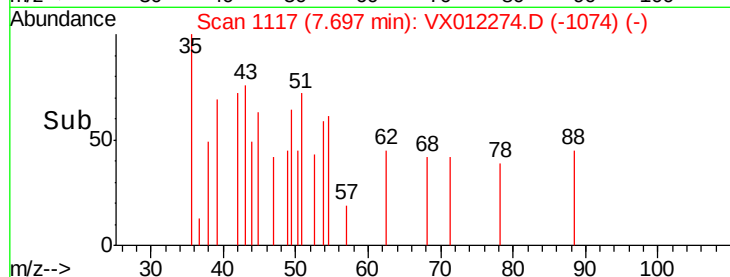
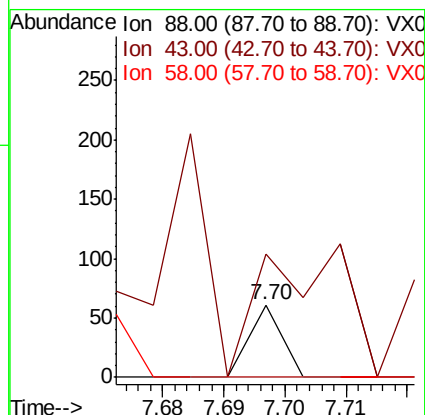
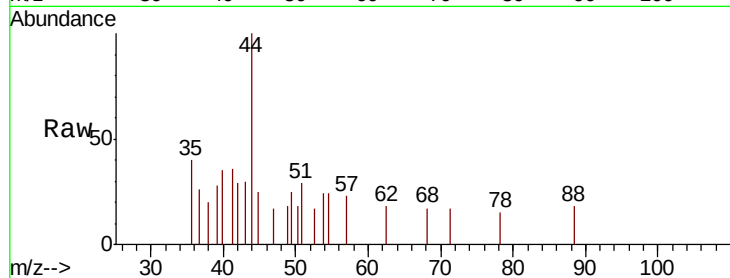
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 340.9 31.0 46.4#

58 0.0 61.5 92.3#



#50

Toluene-d8

Concen: 52.322 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012274.D

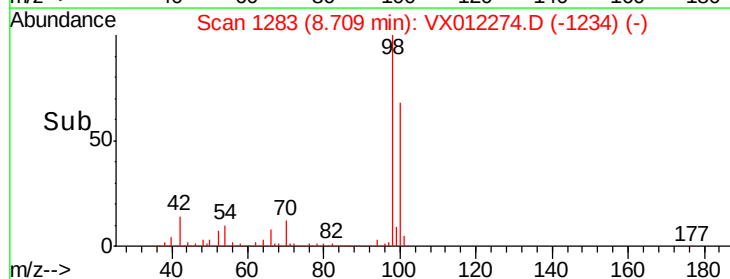
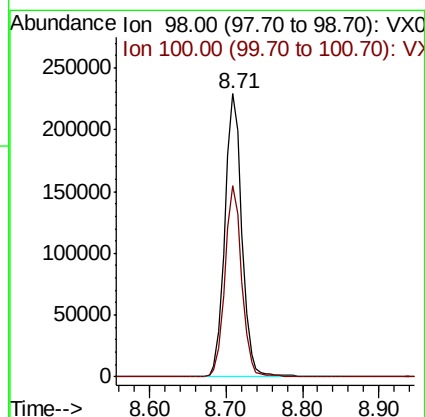
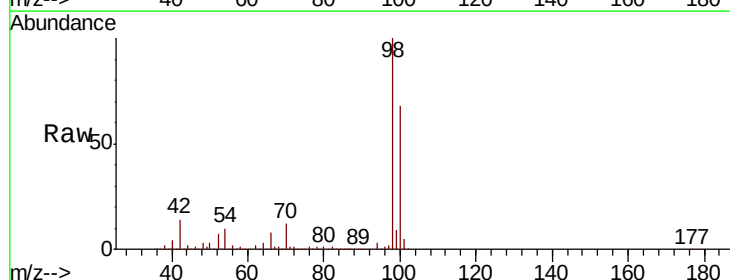
Acq: 11 Sep 2019 00:47

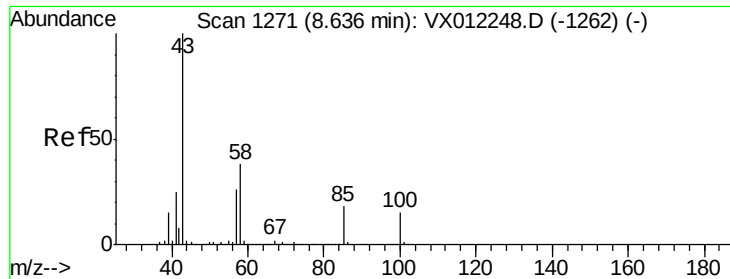
Tgt Ion: 98 Resp: 353191

Ion Ratio Lower Upper

98 100

100 66.9 54.1 81.1

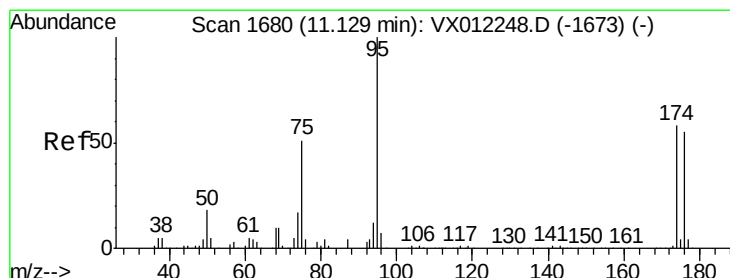
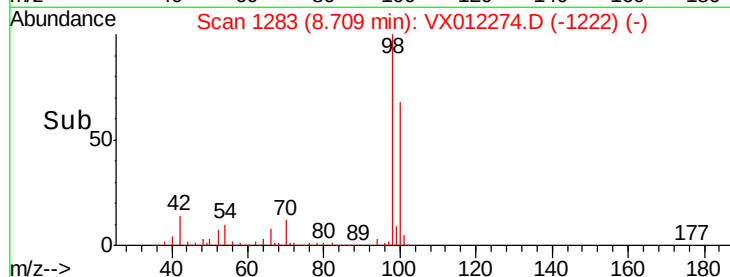
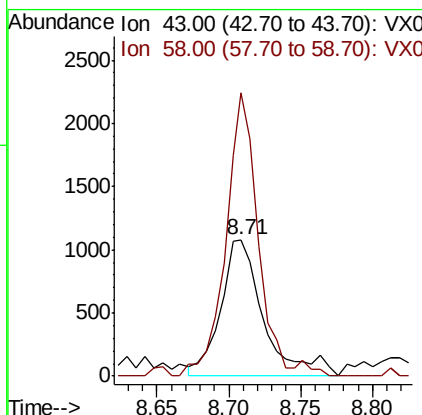
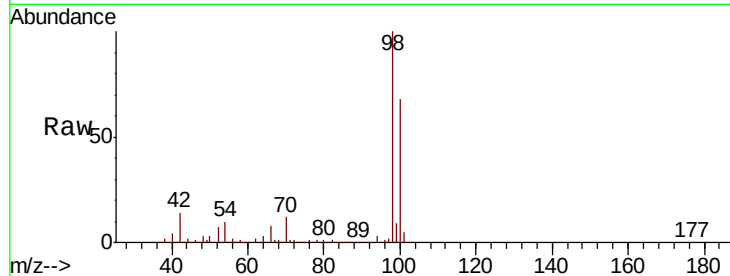




#51
 4-Methyl-2-Pentanone
 Concen: 1.495 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

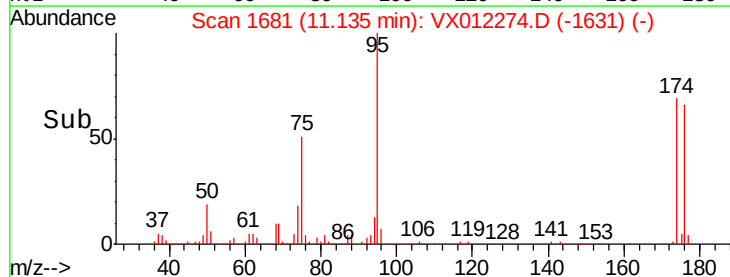
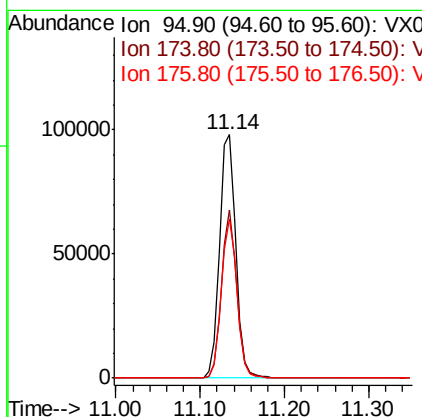
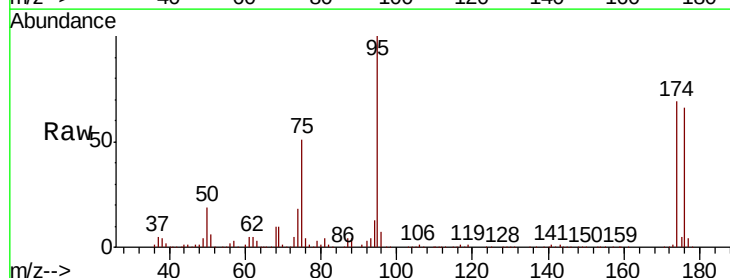
Instrument :
 MSVOA_X
 ClientSampled :
 T-11-A3-(4)

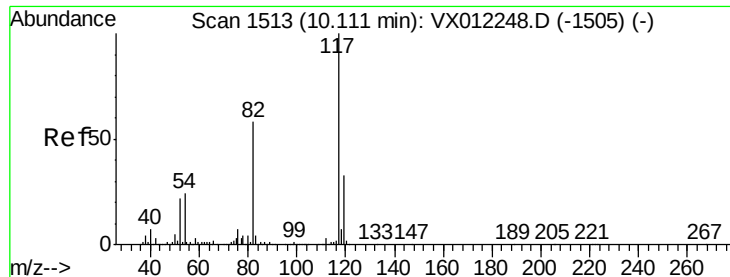
Tgt Ion: 43 Resp: 2251
 Ion Ratio Lower Upper
 43 100
 58 154.1 30.1 45.1#



#62
 4-Bromofluorobenzene
 Concen: 41.990 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

Tgt Ion: 95 Resp: 131408
 Ion Ratio Lower Upper
 95 100
 174 64.6 0.0 127.0
 176 62.8 0.0 125.8

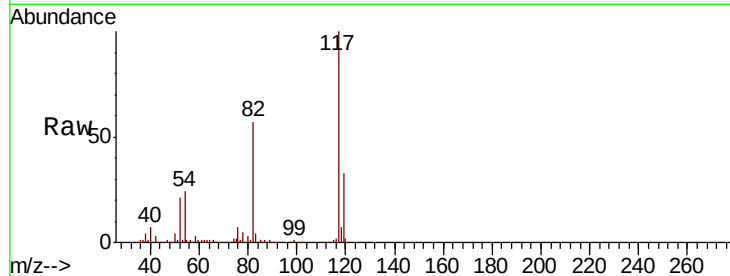




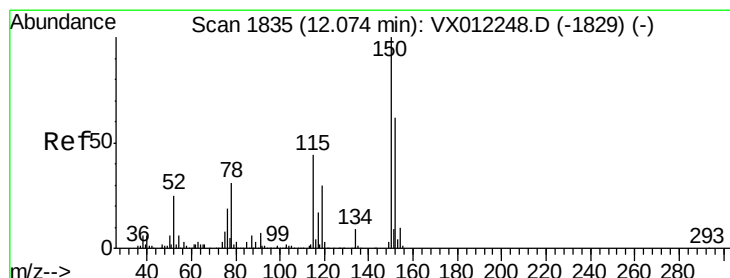
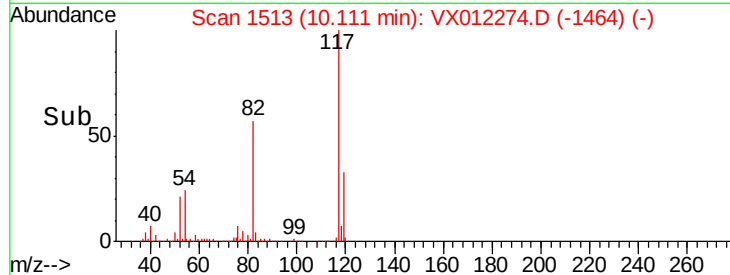
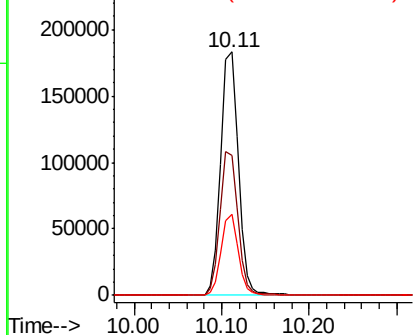
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012274.D
Acq: 11 Sep 2019 00:47

Instrument :
MSVOA_X
ClientSampleId :
T-11-A3-(4)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.4	69.6
119	33.1	26.6	39.8

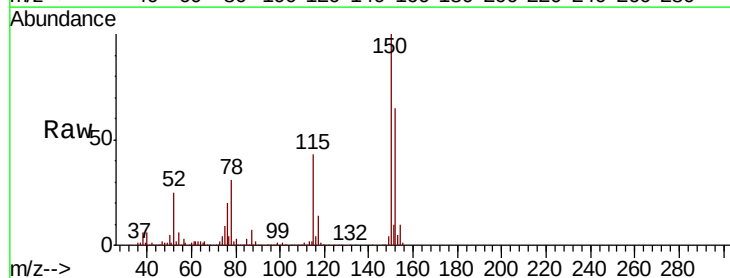


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

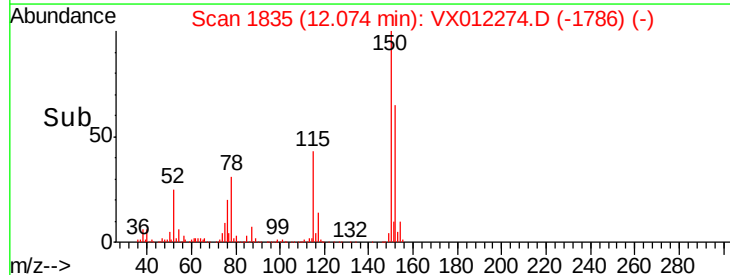
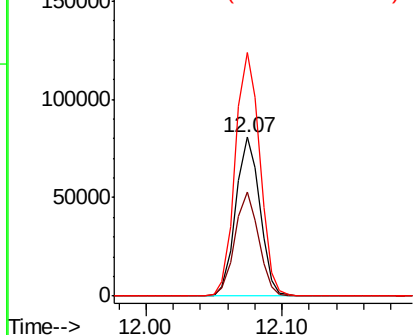


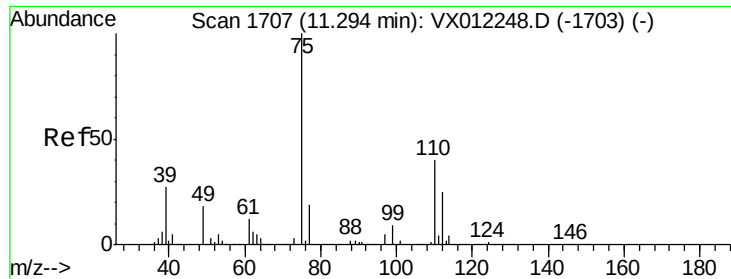
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012274.D
Acq: 11 Sep 2019 00:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.8	45.5	136.4
150	155.6	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

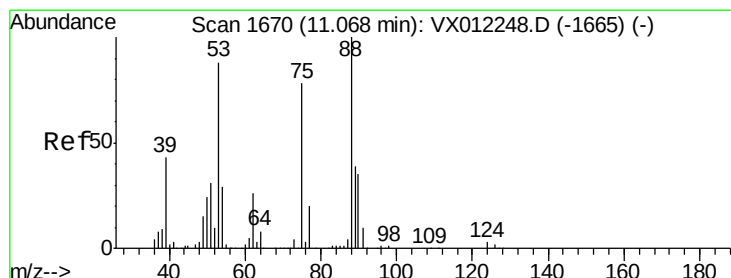
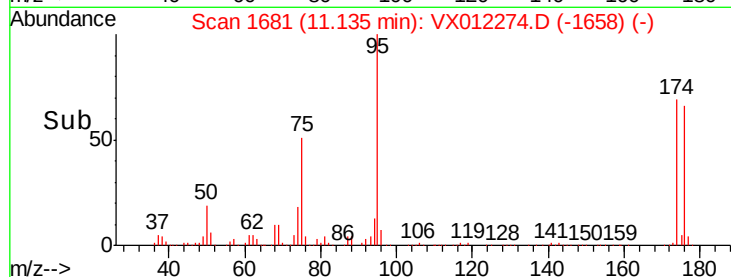
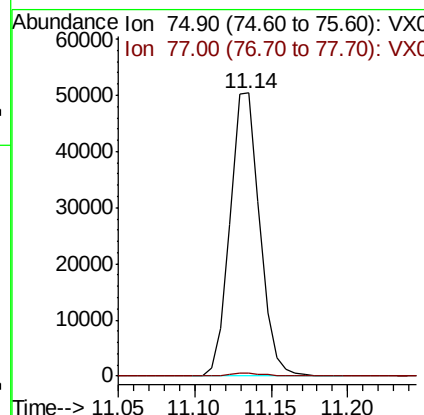
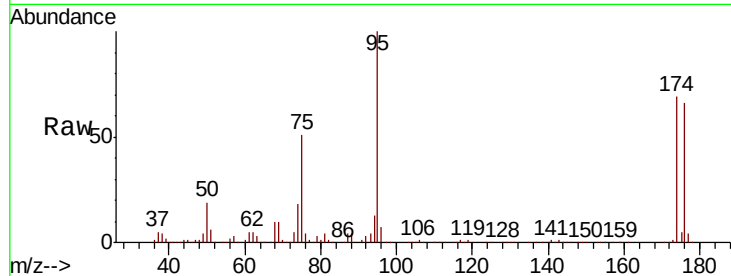




#76
 1,2,3-Trichloropropane
 Concen: 52.855 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

Instrument :
 MSVOA_X
 ClientSampleId :
 T-11-A3-(4)

Tgt Ion: 75 Resp: 68132
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.366 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012274.D
 Acq: 11 Sep 2019 00:47

Tgt Ion: 75 Resp: 68132
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.1 132.1#
 89 0.1 43.5 65.3#

