

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
 Data File : VX012031.D
 Acq On : 03 Sep 2019 19:26
 Operator : SY/SP
 Sample : K4525-20
 Misc : 5.14g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-C-(0)

Quant Time: Sep 04 04:04:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

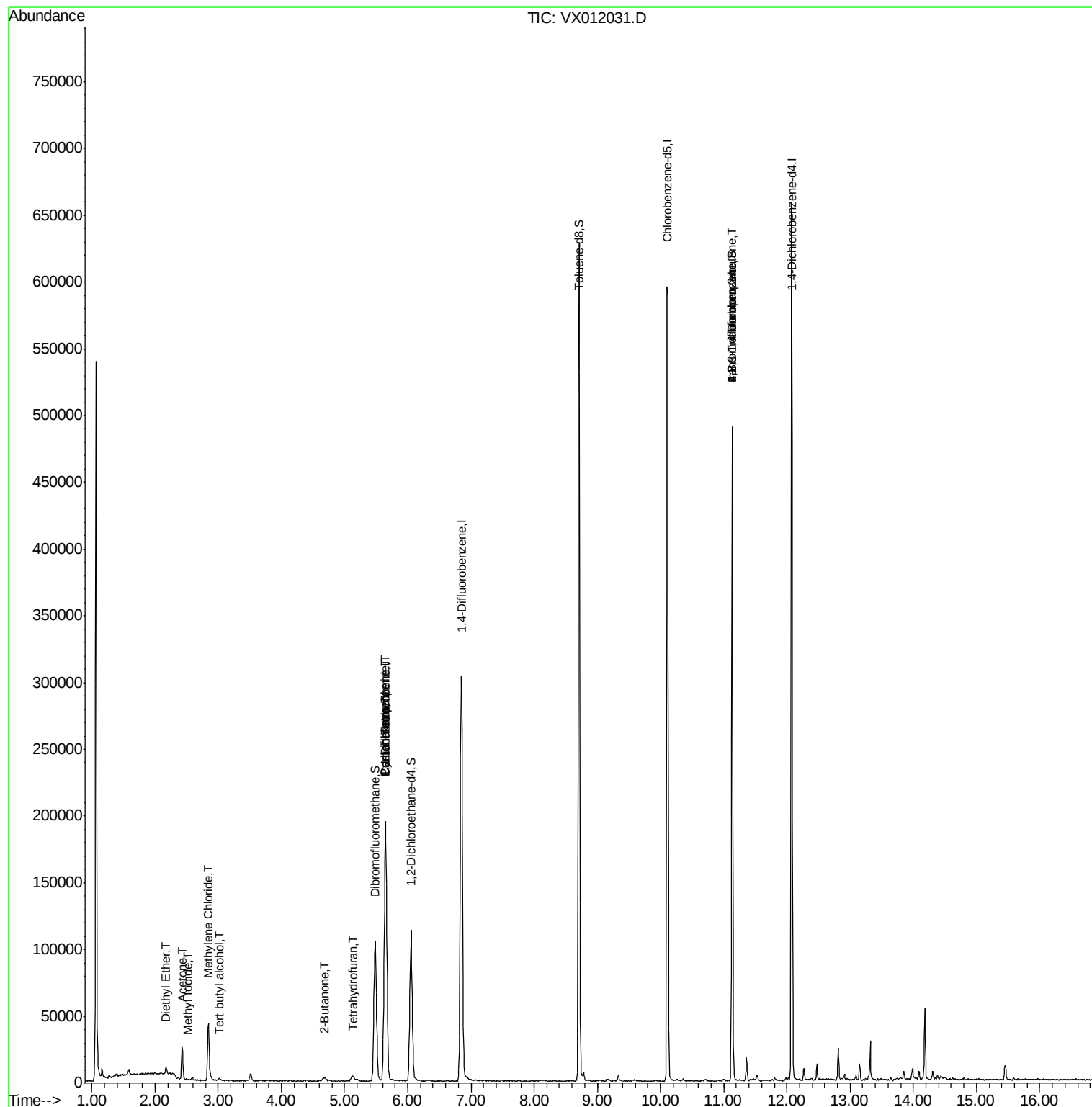
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	123310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	111253	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
35) Dibromofluoromethane	5.48	113	88256	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	355533	53.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.14	95	144723	46.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.80%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1883	2.379	ug/l	91
10) Methyl Iodide	2.51	142	125	7.051	ug/l #	31
11) Tert butyl alcohol	3.02	59	1602	7.284	ug/l #	60
13) Acrolein	2.26	56	56	Below Cal	#	12
16) Acetone	2.43	43	26009	47.519	ug/l	99
20) Methylene Chloride	2.84	84	20769	9.449	ug/l	99
25) 2-Butanone	4.68	43	819	1.176	ug/l #	48
29) Tetrahydrofuran	5.13	42	3687	8.783	ug/l #	86
31) Cyclohexane	5.64	56	4535	1.615	ug/l #	9
36) 1,1-Dichloropropene	5.65	75	15282	5.901	ug/l #	48
38) Carbon Tetrachloride	5.65	117	19052	6.982	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	73120	48.531	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	73120	114.735	ug/l #	10

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090319\
Data File : VX012031.D
Acq On : 03 Sep 2019 19:26
Operator : SY/SP
Sample : K4525-20
Misc : 5.14g/5.0mL/MSVOA_X/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-C-(0)

Quant Time: Sep 04 04:04:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 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: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

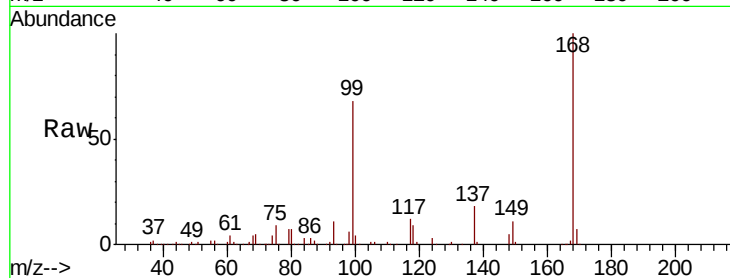
T9-12-13-C-(0)

Tgt Ion:168 Resp: 165960

Ion Ratio Lower Upper

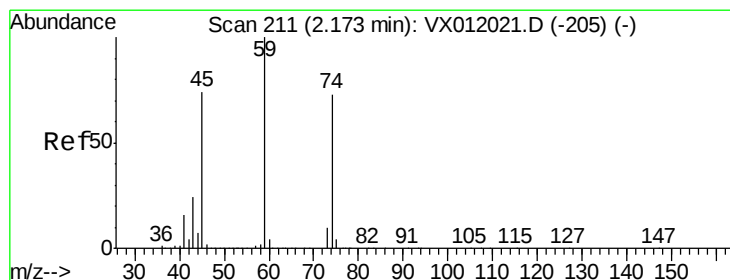
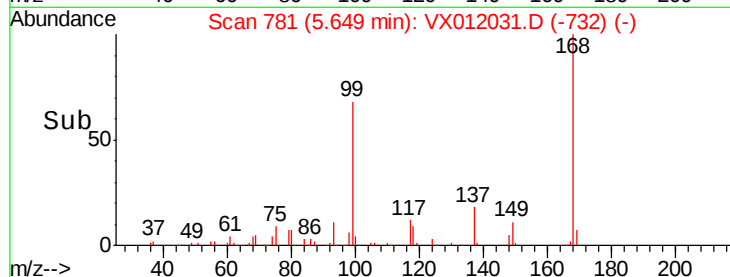
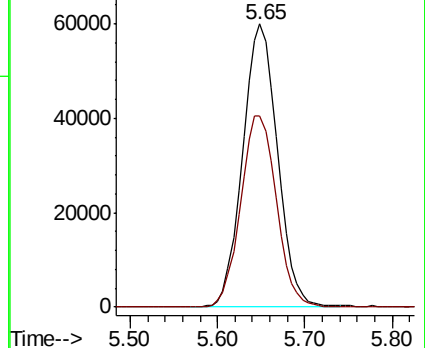
168 100

99 67.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 2.379 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012031.D

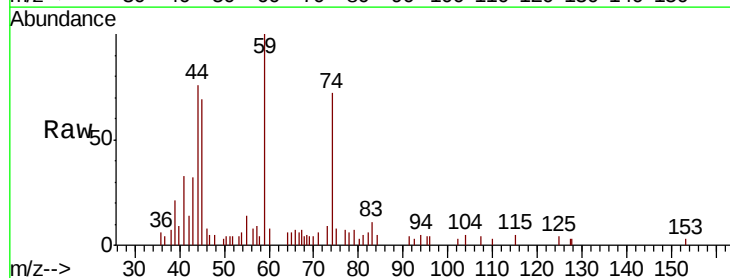
Acq: 03 Sep 2019 19:26

Tgt Ion: 74 Resp: 1883

Ion Ratio Lower Upper

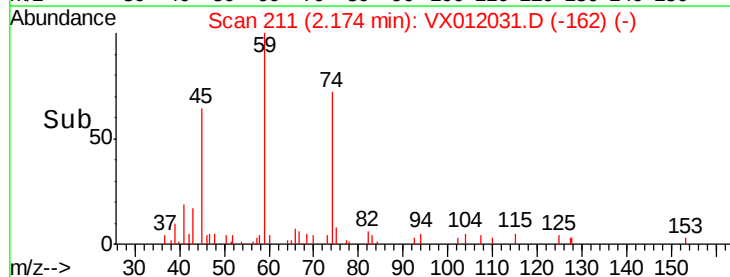
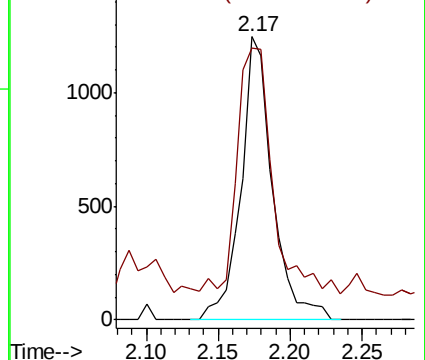
74 100

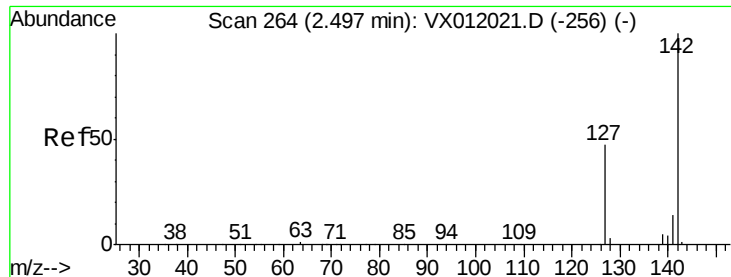
45 100.3 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

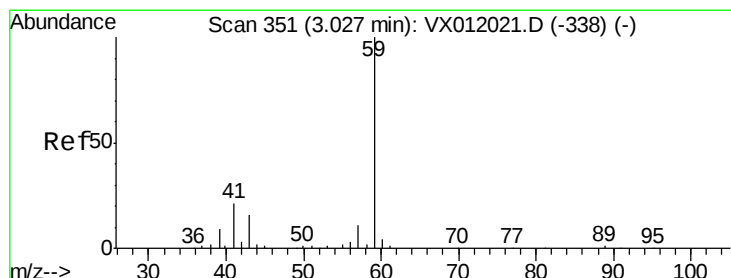
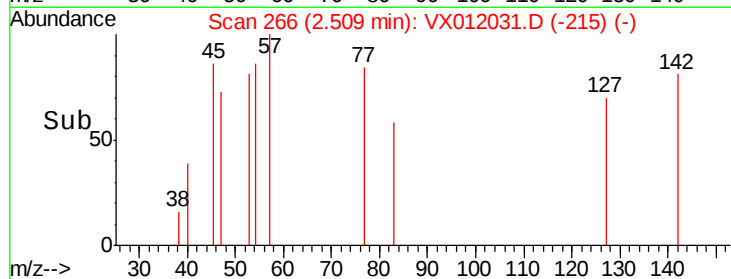
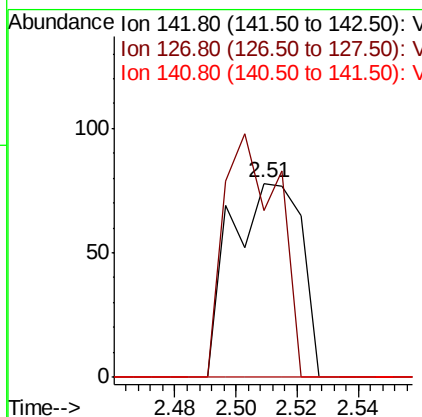
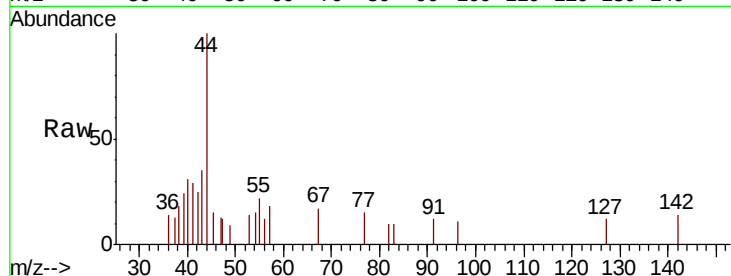




#10
Methyl Iodide
Concen: 7.051 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

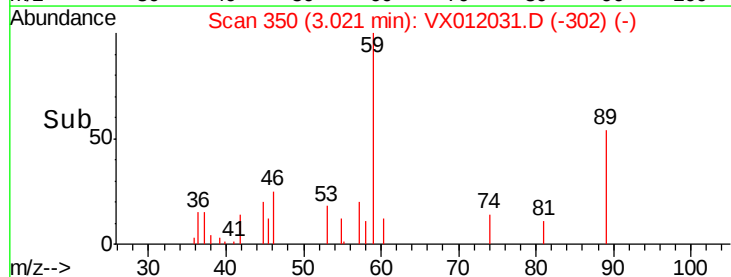
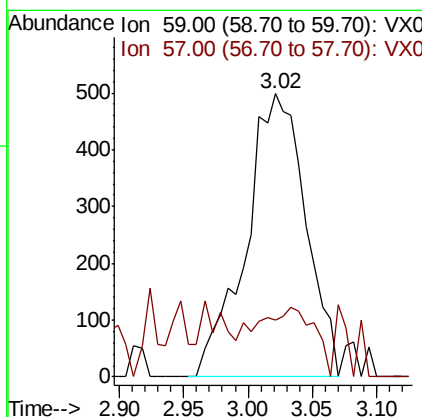
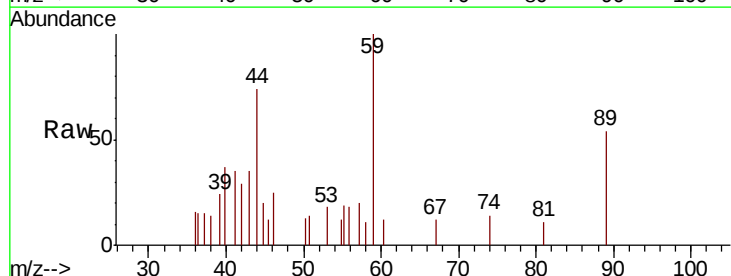
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-C-(0)

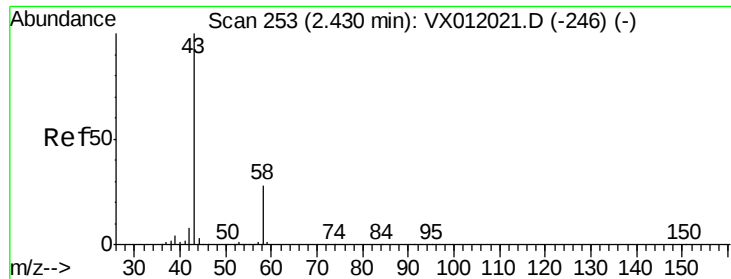
Tgt Ion: 142 Resp: 125
Ion Ratio Lower Upper
142 100
127 96.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 7.284 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

Tgt Ion: 59 Resp: 1602
Ion Ratio Lower Upper
59 100
57 24.5 7.9 11.9#





#16

Acetone

Concen: 47.519 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

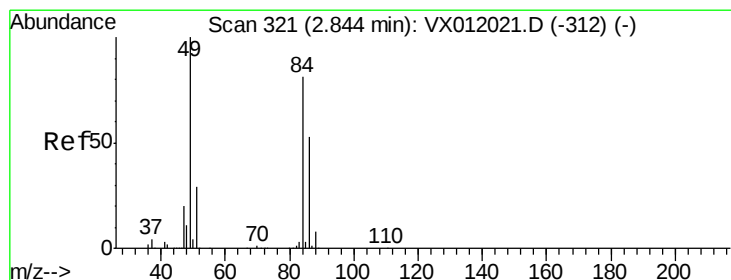
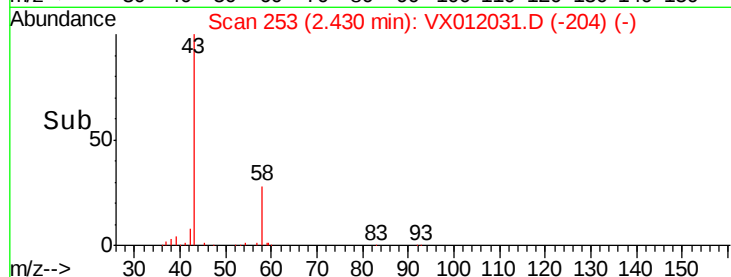
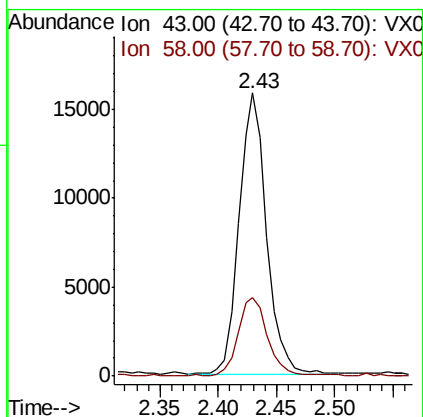
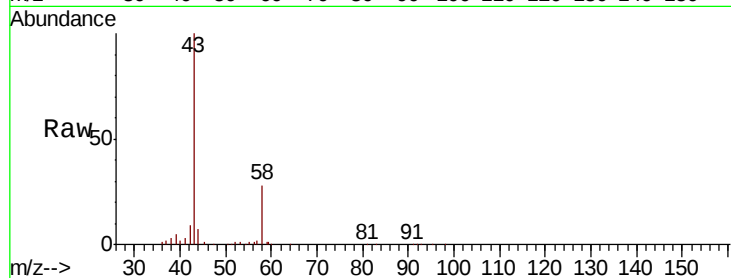
T9-12-13-C-(0)

Tgt Ion: 43 Resp: 26009

Ion Ratio Lower Upper

43 100

58 27.8 22.8 34.2



#20

Methylene Chloride

Concen: 9.449 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Tgt Ion: 84 Resp: 20769

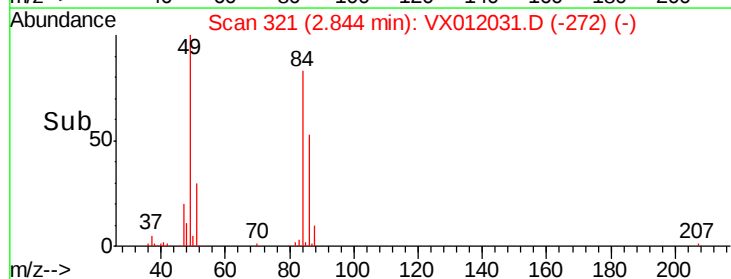
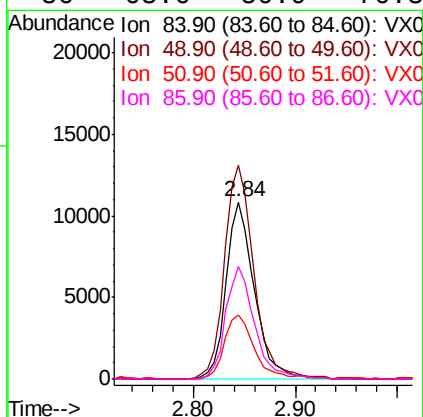
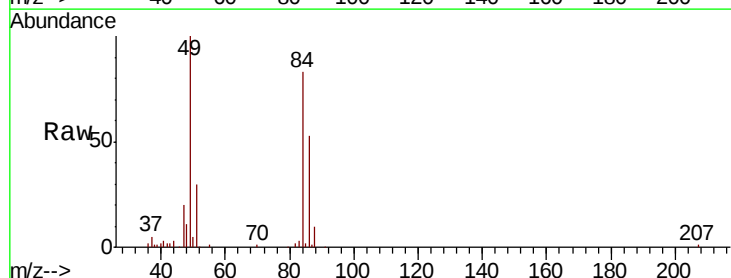
Ion Ratio Lower Upper

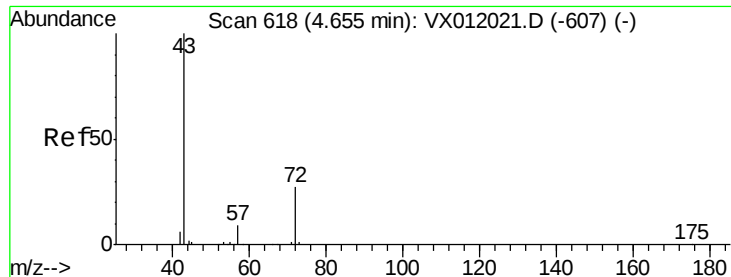
84 100

49 120.6 95.8 143.8

51 36.3 28.6 43.0

86 63.6 50.9 76.3





#25

2-Butanone

Concen: 1.176 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

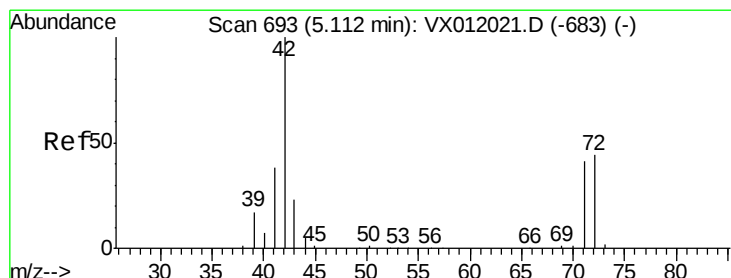
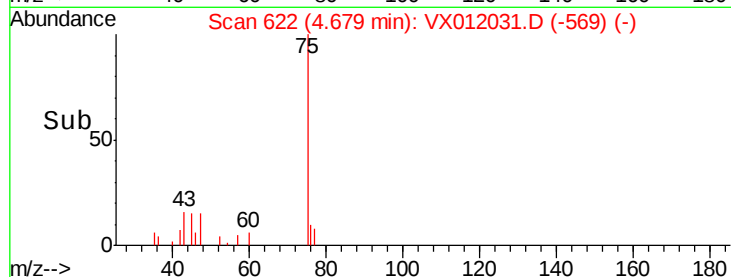
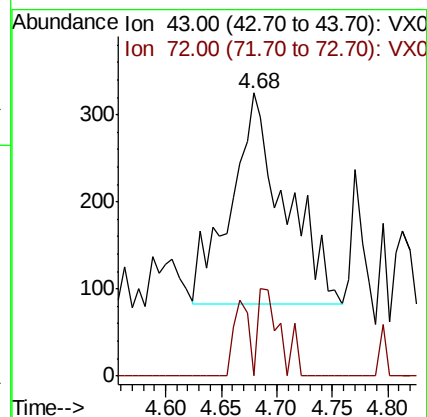
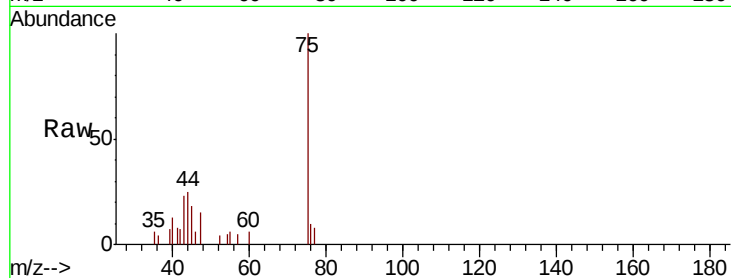
T9-12-13-C-(0)

Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#29

Tetrahydrofuran

Concen: 8.783 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

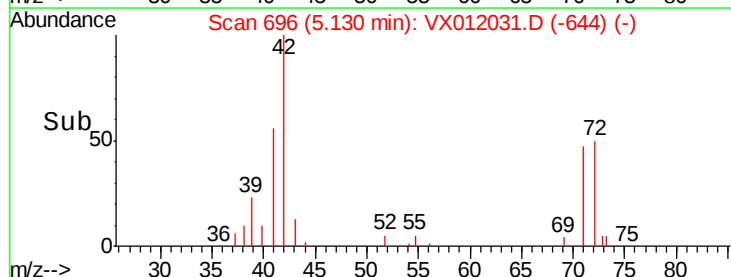
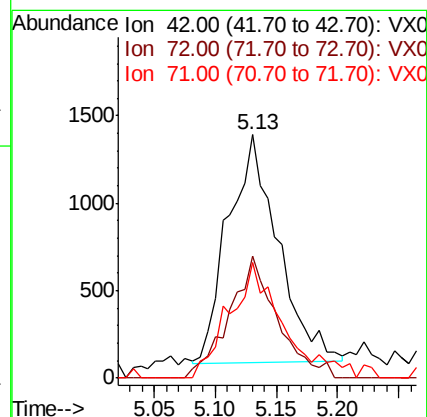
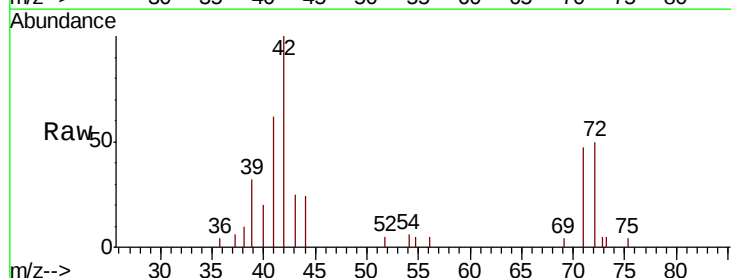
Tgt Ion: 42 Resp: 3687

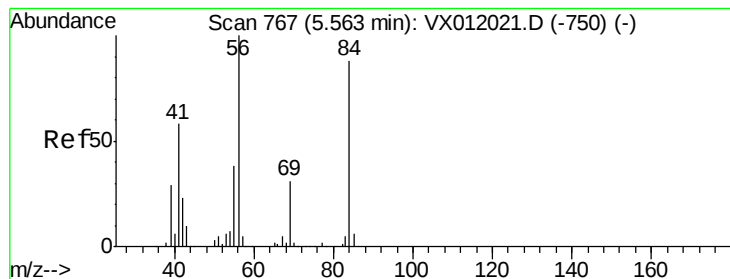
Ion Ratio Lower Upper

42 100

72 51.6 37.0 55.4

71 54.7 33.8 50.8#





#31

Cyclohexane

Concen: 1.615 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-C-(0)

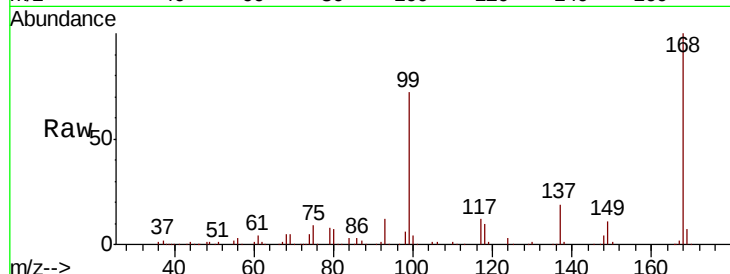
Tgt Ion: 56 Resp: 4535

Ion Ratio Lower Upper

56 100

69 192.0 25.7 38.5#

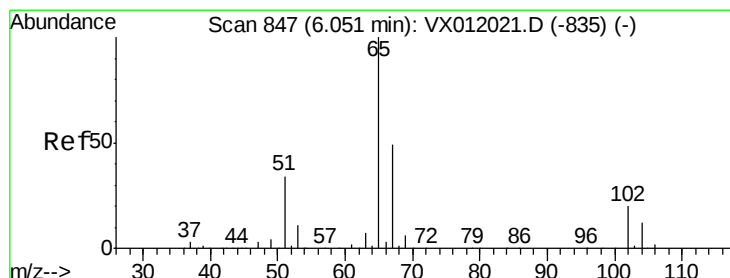
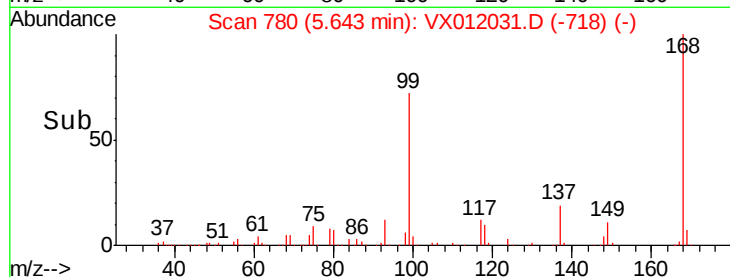
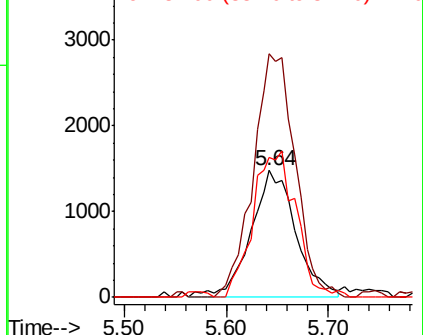
84 106.2 70.3 105.5#



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: 48.584 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012031.D

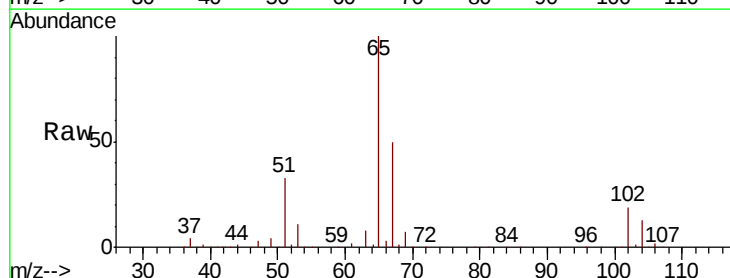
Acq: 03 Sep 2019 19:26

Tgt Ion: 65 Resp: 111253

Ion Ratio Lower Upper

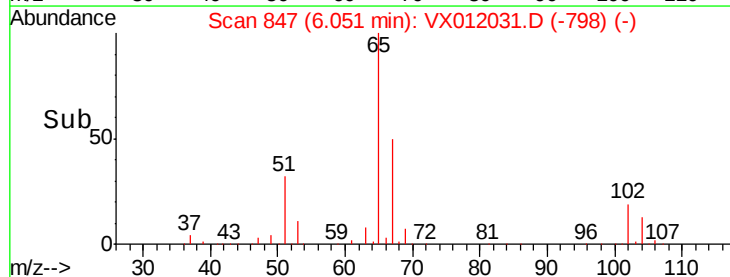
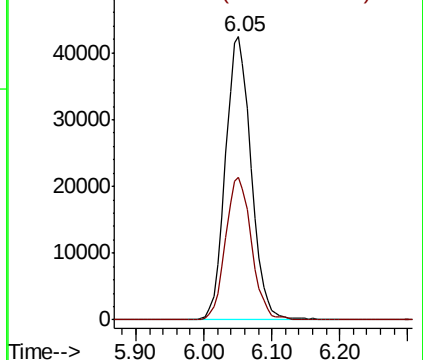
65 100

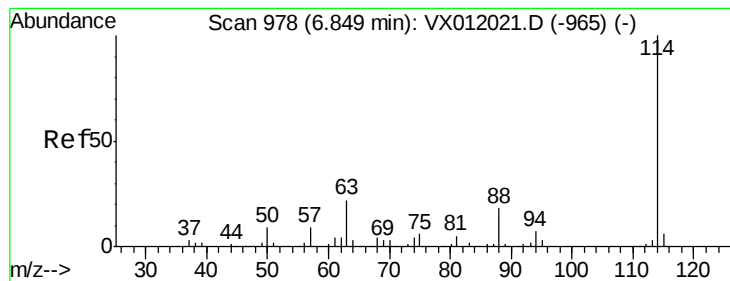
67 50.9 0.0 102.0



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: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-C-(0)

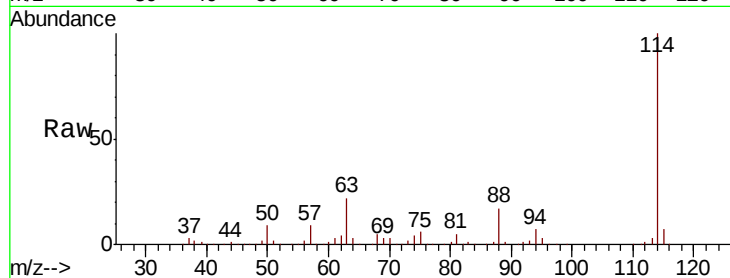
Tgt Ion:114 Resp: 294014

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

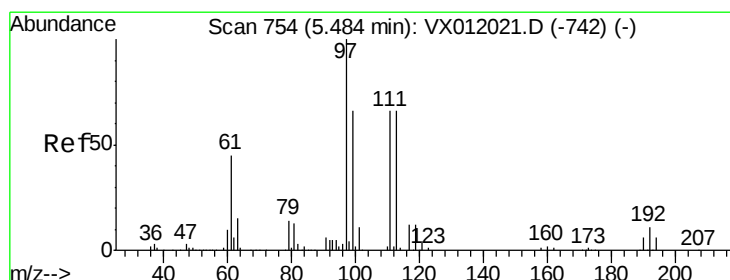
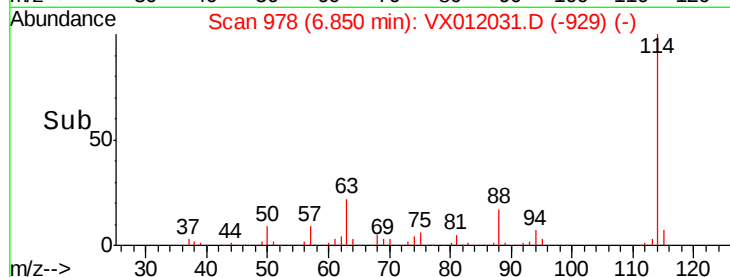
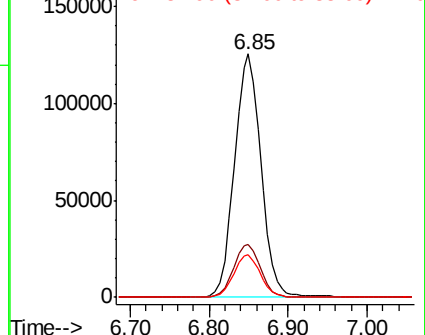
88 17.3 0.0 29.6



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: 48.811 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

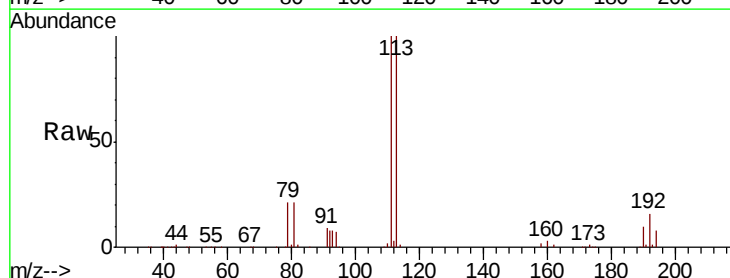
Tgt Ion:113 Resp: 88256

Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

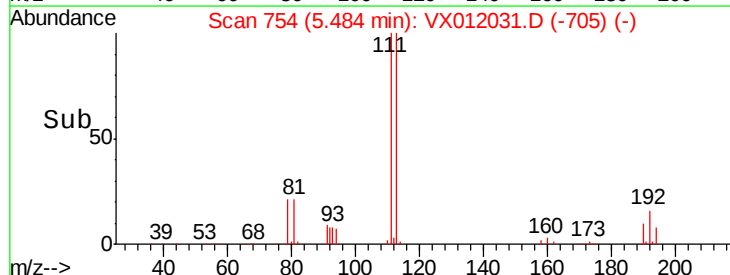
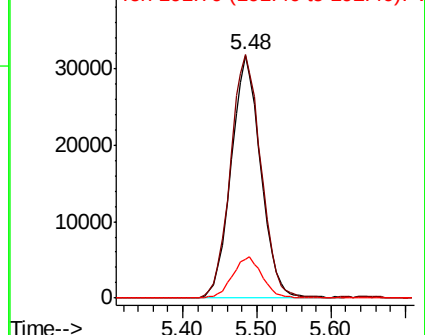
192 16.9 22.5 33.7#

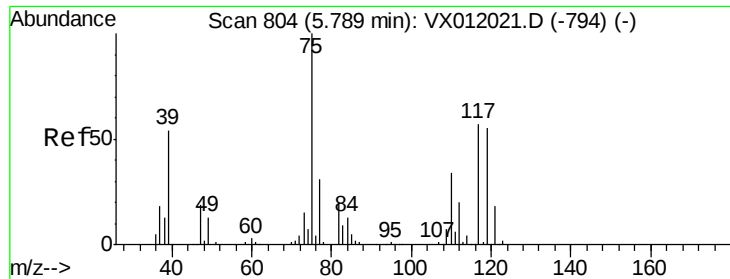


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

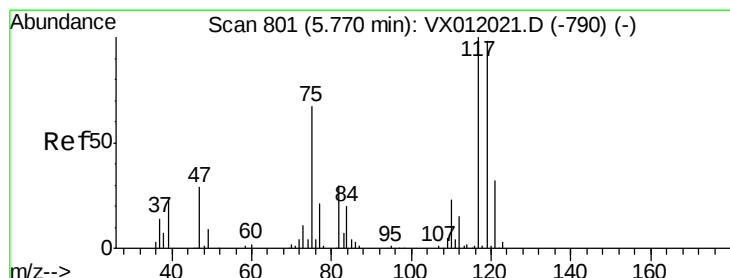
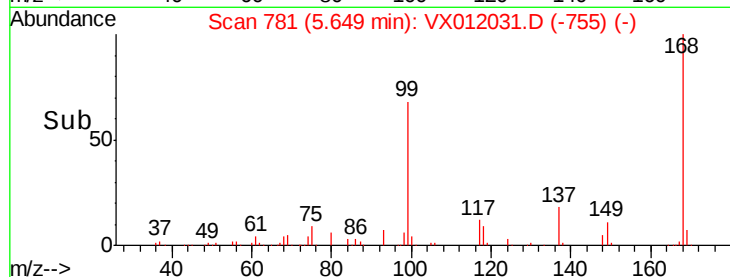
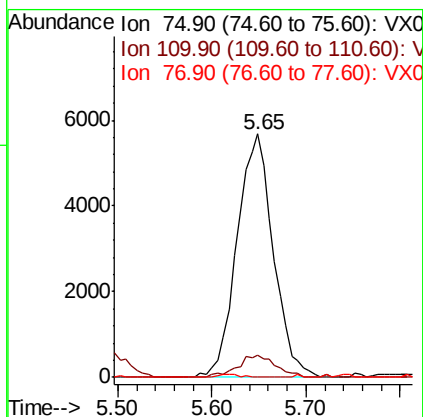
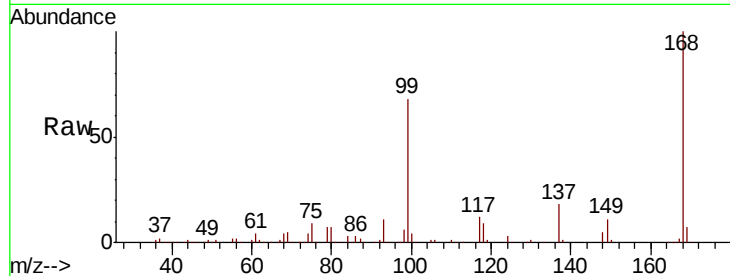




#36
 1,1-Dichloropropene
 Concen: 5.901 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012031.D
 Acq: 03 Sep 2019 19:26

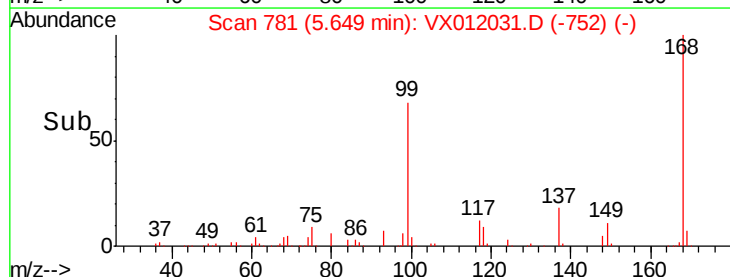
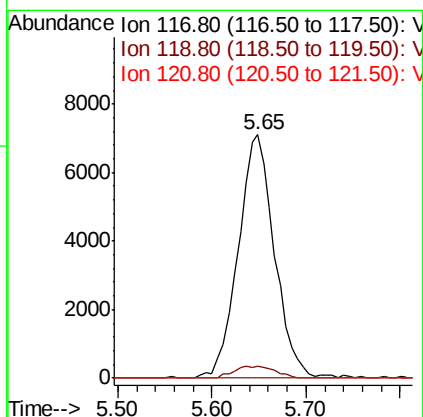
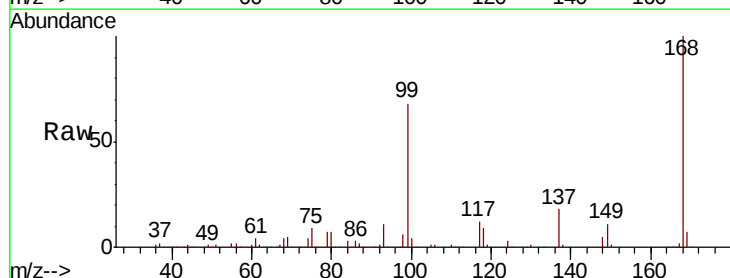
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-C-(0)

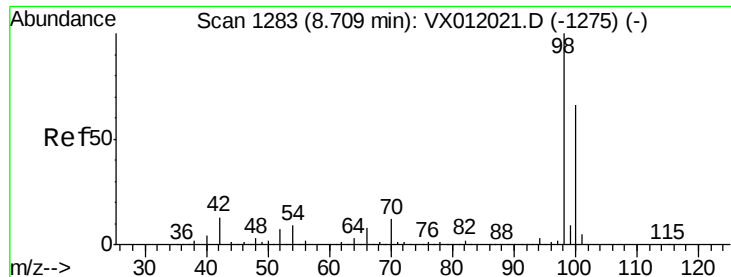
Tgt Ion: 75 Resp: 15282
 Ion Ratio Lower Upper
 75 100
 110 9.8 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.982 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012031.D
 Acq: 03 Sep 2019 19:26

Tgt Ion: 117 Resp: 19052
 Ion Ratio Lower Upper
 117 100
 119 5.0 78.3 117.5#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 53.585 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

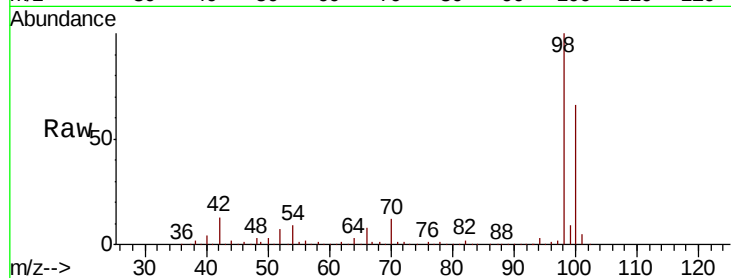
T9-12-13-C-(0)

Tgt Ion: 98 Resp: 355533

Ion Ratio Lower Upper

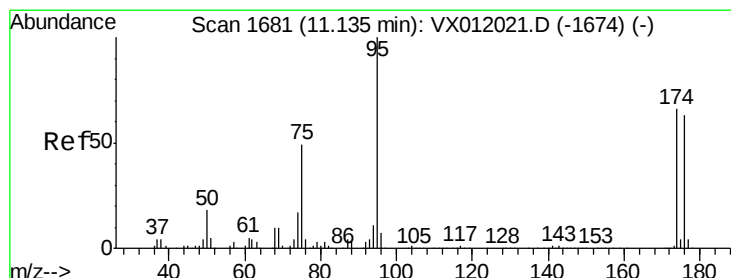
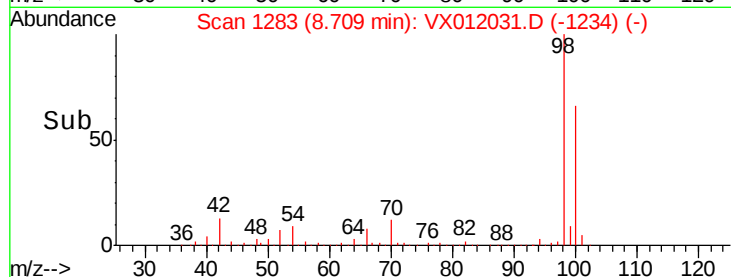
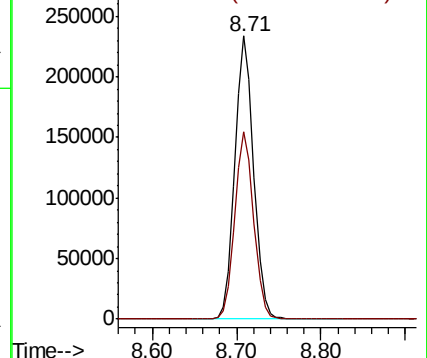
98 100

100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.902 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

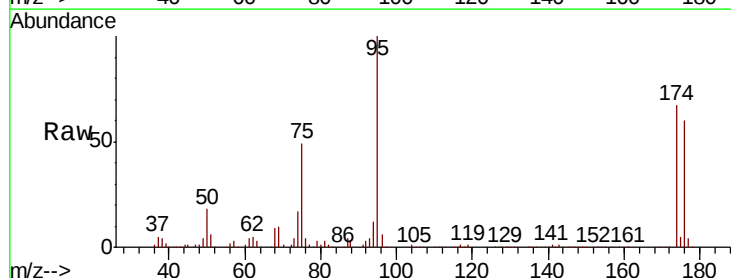
Tgt Ion: 95 Resp: 144723

Ion Ratio Lower Upper

95 100

174 64.0 0.0 205.4

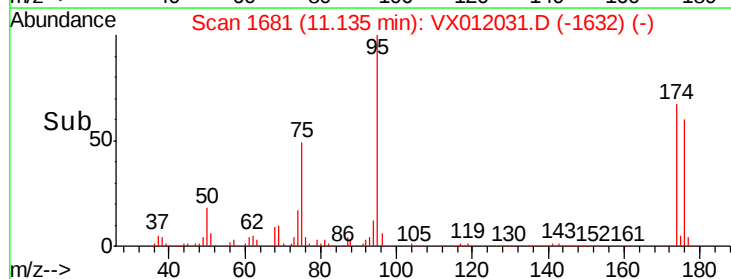
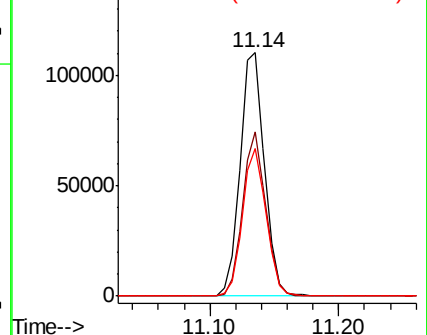
176 58.8 0.0 201.8

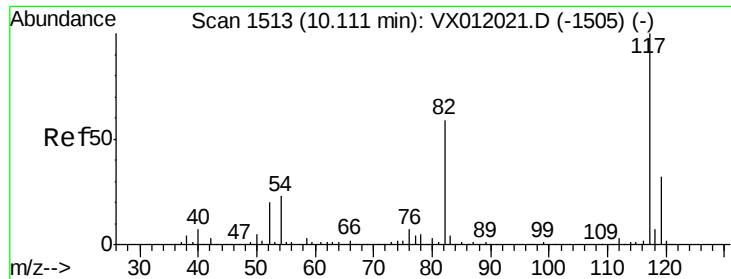


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

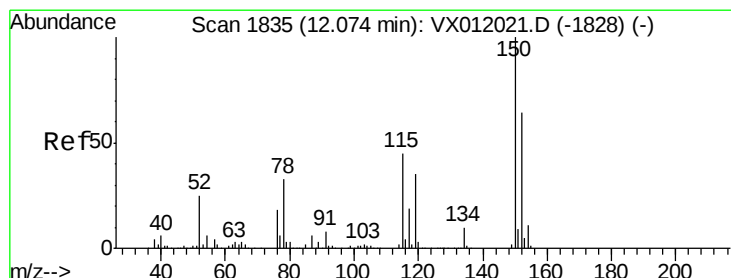
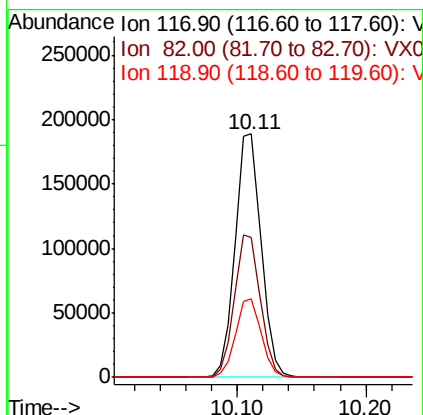
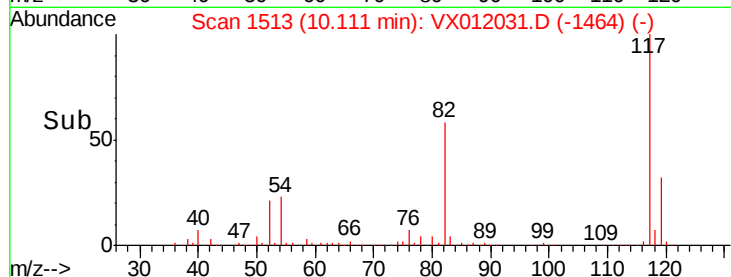
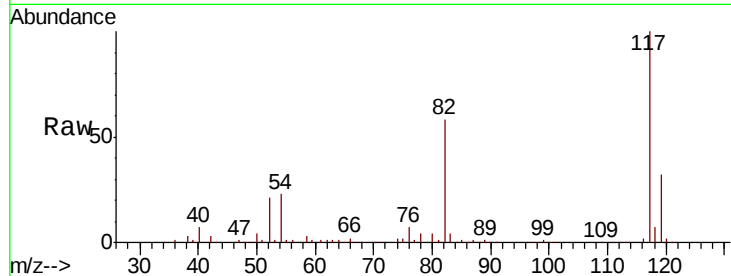




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

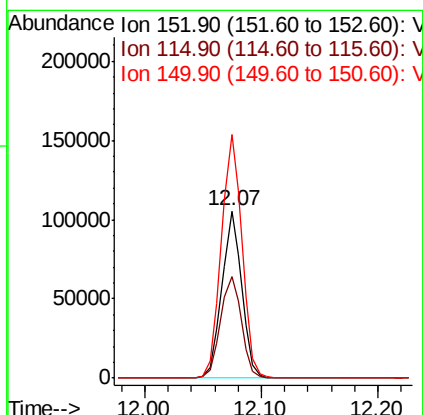
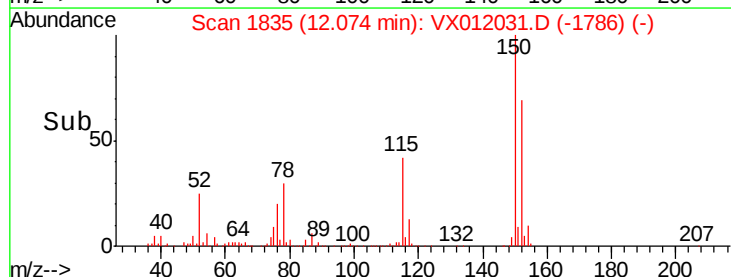
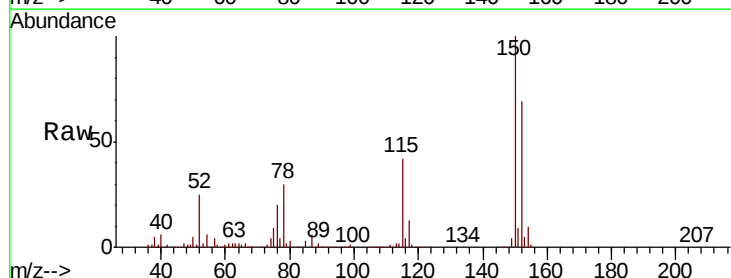
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-C-(0)

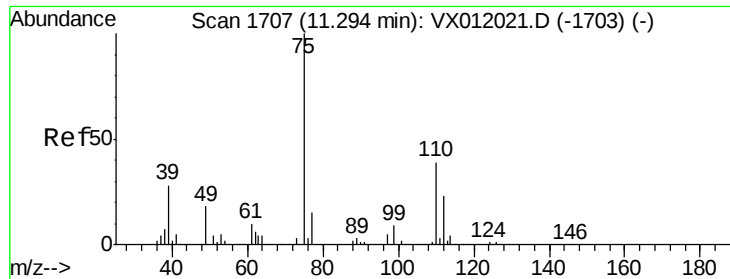
Tgt Ion:117 Resp: 266393
Ion Ratio Lower Upper
117 100
82 57.6 39.4 59.0
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012031.D
Acq: 03 Sep 2019 19:26

Tgt Ion:152 Resp: 123310
Ion Ratio Lower Upper
152 100
115 64.4 36.4 109.3
150 152.1 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 48.531 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

Instrument :

MSVOA_X

ClientSampleId :

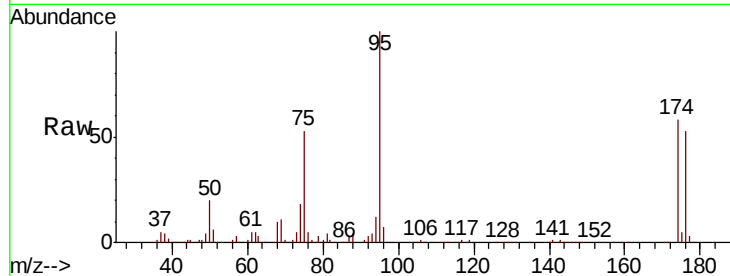
T9-12-13-C-(0)

Tgt Ion: 75 Resp: 73120

Ion Ratio Lower Upper

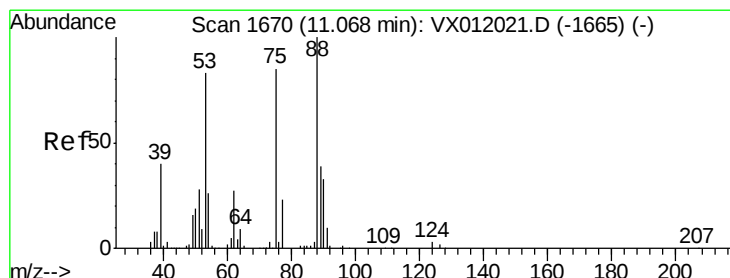
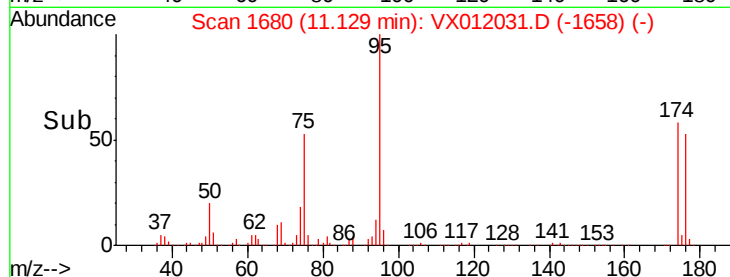
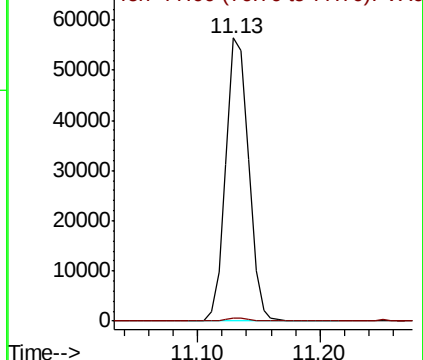
75 100

77 1.2 23.5 70.5#



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: 114.735 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012031.D

Acq: 03 Sep 2019 19:26

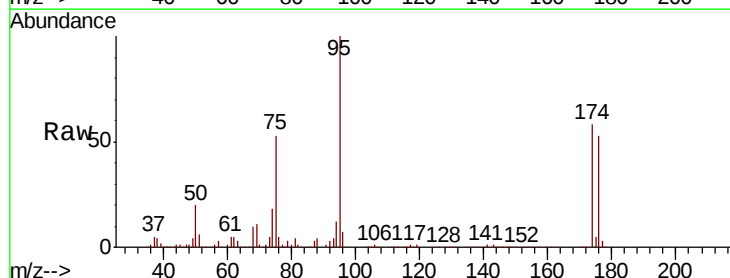
Tgt Ion: 75 Resp: 73120

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#



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

