

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
 Data File : VX012352.D
 Acq On : 12 Sep 2019 17:28
 Operator : SY/SP
 Sample : VX0912SBL02
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBL02

Quant Time: Sep 13 01:59:41 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	166985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119569	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	111510	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
35) Dibromofluoromethane	5.48	113	86072	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
50) Toluene-d8	8.71	98	340213	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
62) 4-Bromofluorobenzene	11.14	95	136454	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

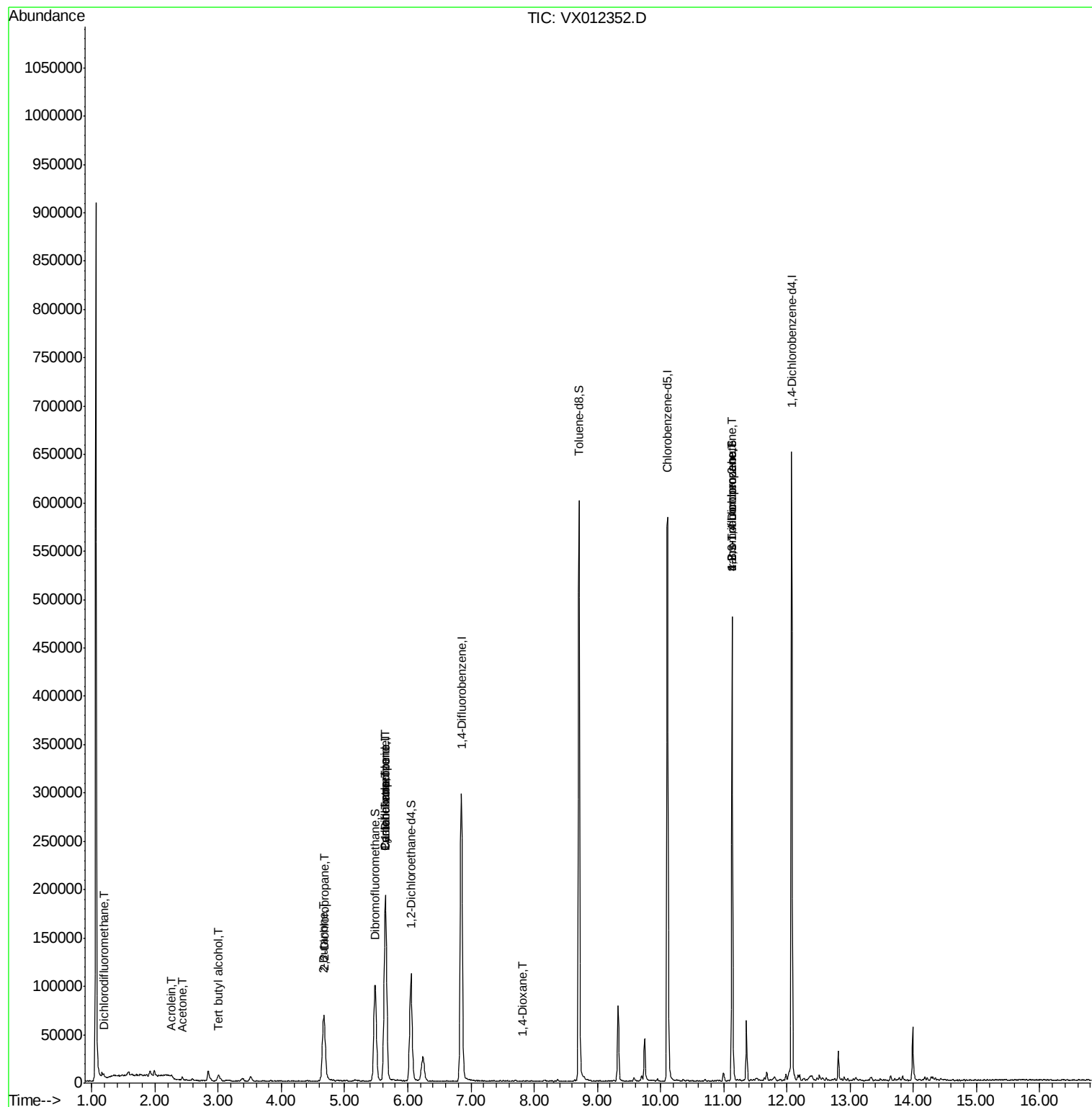
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1785	1.307	ug/l	93
5) Bromomethane	1.64	94	298	Below Cal	#	20
11) Tert butyl alcohol	3.01	59	4541	9.215	ug/l #	82
13) Acrolein	2.26	56	393	3.184	ug/l #	70
16) Acetone	2.43	43	3537	6.329	ug/l	95
20) Methylene Chloride	2.84	84	4511	Below Cal	#	88
25) 2-Butanone	4.66	43	4734	6.626	ug/l #	84
26) 2,2-Dichloropropane	4.67	77	5508	1.859	ug/l #	55
31) Cyclohexane	5.64	56	4456	2.033	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14440	6.924	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19384	7.922	ug/l #	14
49) 1,4-Dioxane	7.81	88	42	2.392	ug/l #	35
76) 1,2,3-Trichloropropane	11.13	75	72623	47.279	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	72623	141.660	ug/l #	5

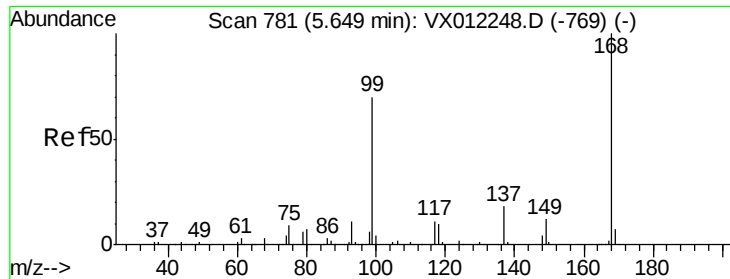
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091219\
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Quant Time: Sep 13 01:59:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
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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: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

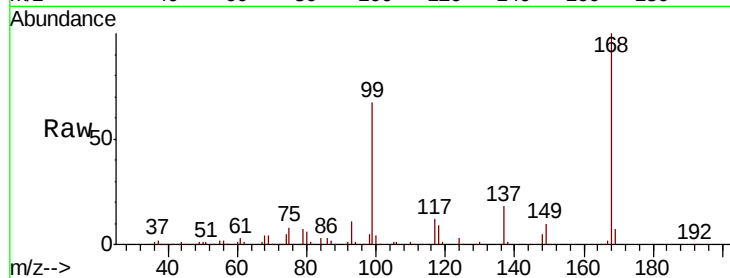
VX0912SBL02

Tgt Ion:168 Resp: 166985

Ion Ratio Lower Upper

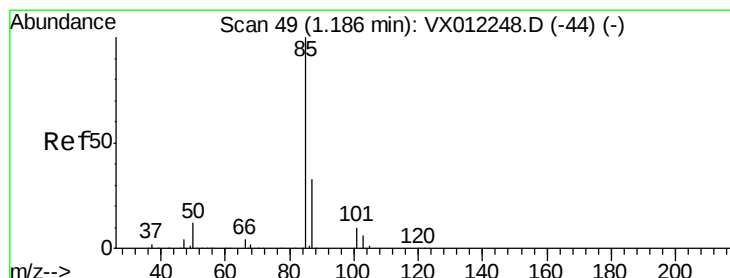
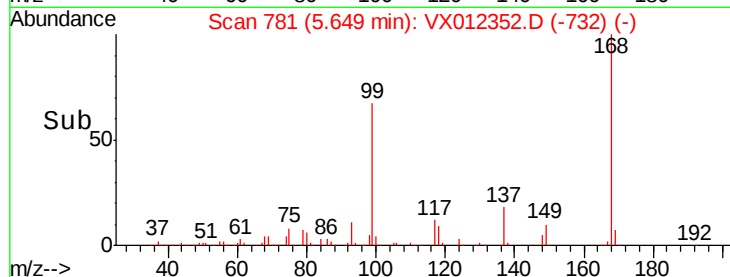
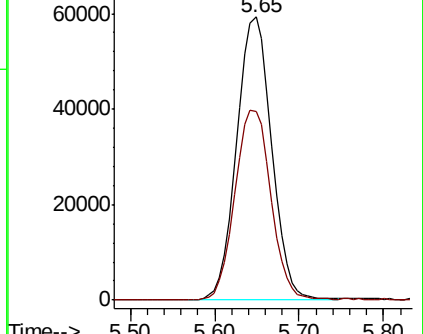
168 100

99 66.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.307 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012352.D

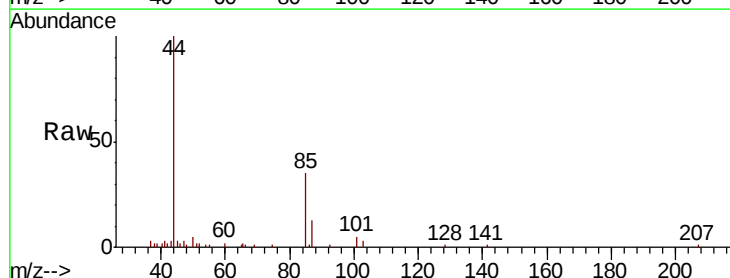
Acq: 12 Sep 2019 17:28

Tgt Ion: 85 Resp: 1785

Ion Ratio Lower Upper

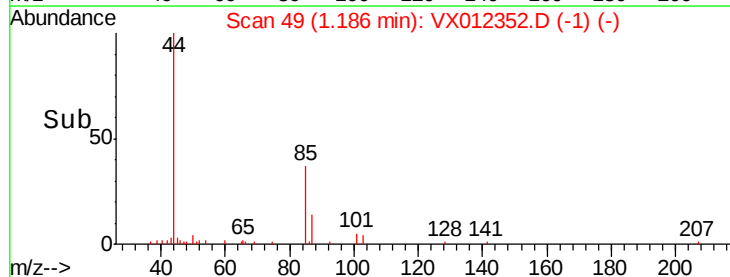
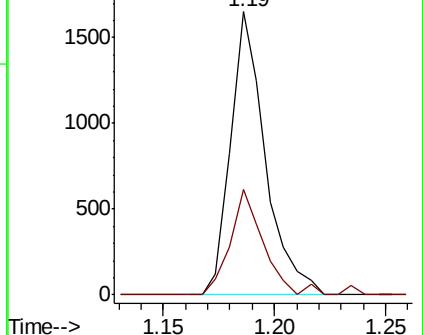
85 100

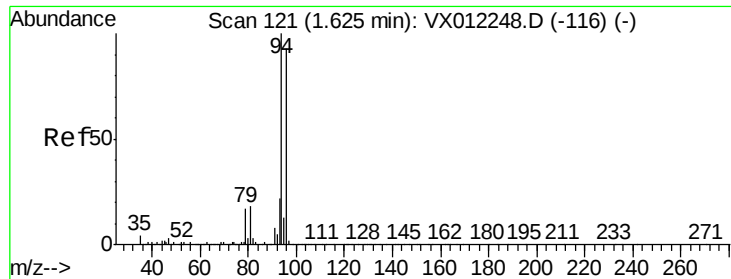
87 37.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

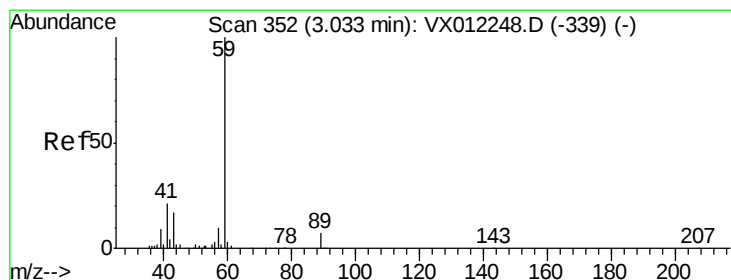
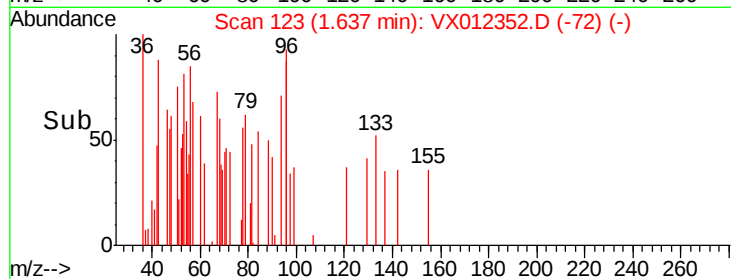
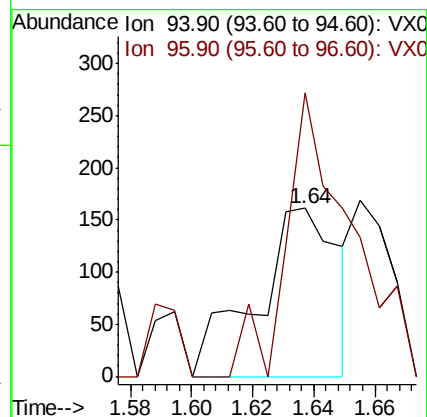
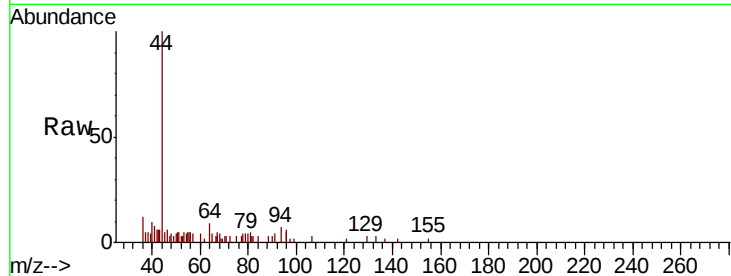
VX0912SBL02

Tgt Ion: 94 Resp: 298

Ion Ratio Lower Upper

94 100

96 168.9 74.0 111.0#



#11

Tert butyl alcohol

Concen: 9.215 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX012352.D

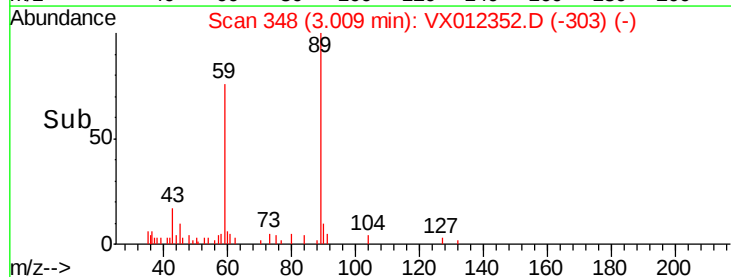
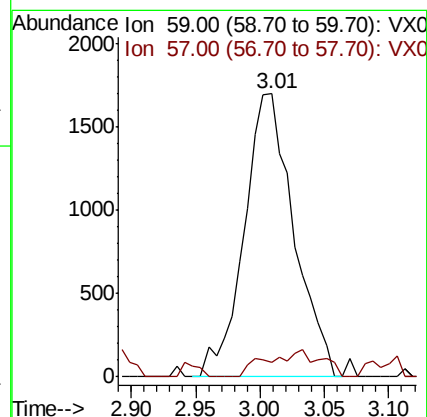
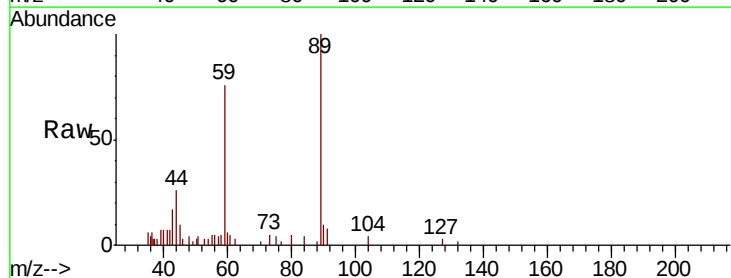
Acq: 12 Sep 2019 17:28

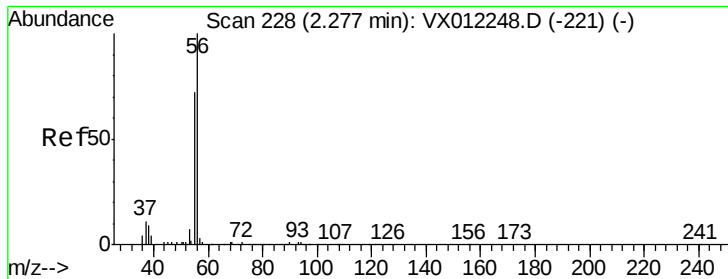
Tgt Ion: 59 Resp: 4541

Ion Ratio Lower Upper

59 100

57 3.0 7.8 11.6#





#13

Acrolein

Concen: 3.184 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

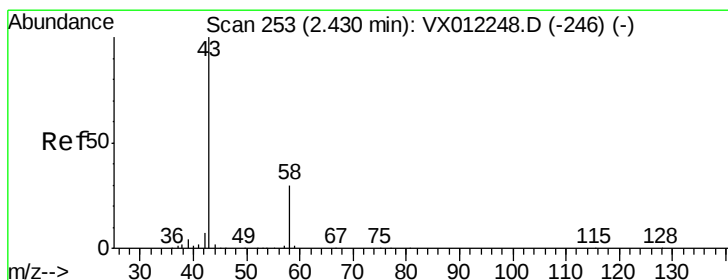
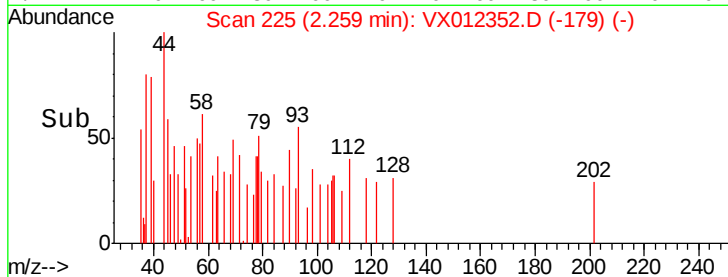
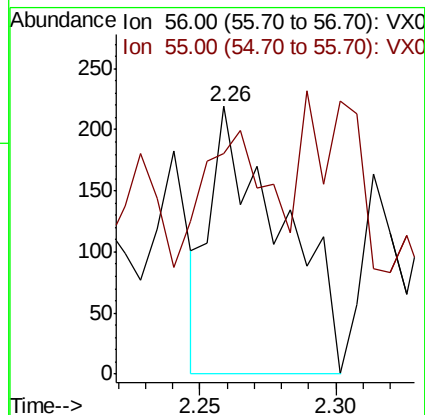
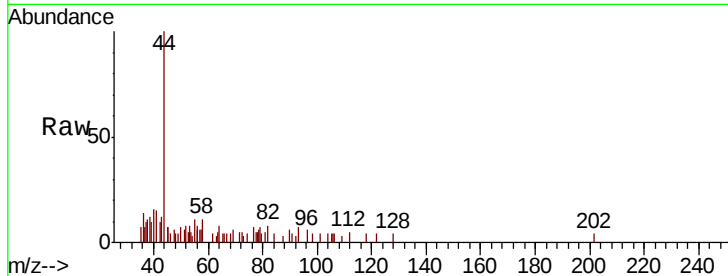
VX0912SBL02

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 49.6 59.8 89.6#



#16

Acetone

Concen: 6.329 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012352.D

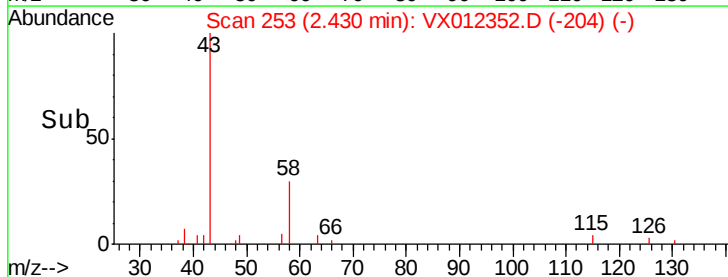
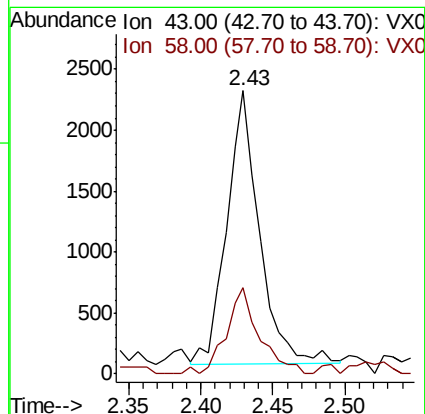
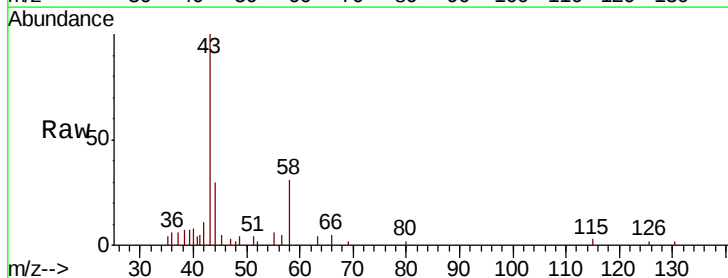
Acq: 12 Sep 2019 17:28

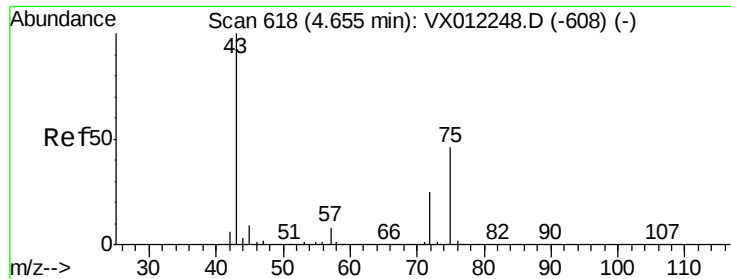
Tgt Ion: 43 Resp: 3537

Ion Ratio Lower Upper

43 100

58 32.1 23.6 35.4

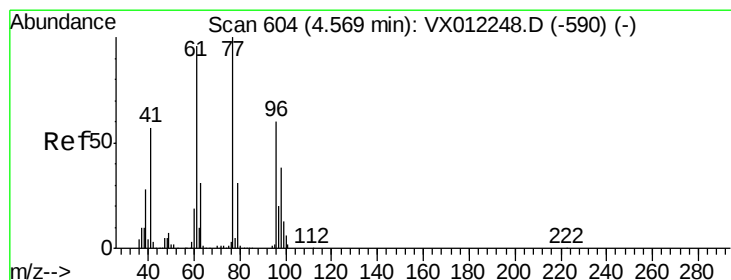
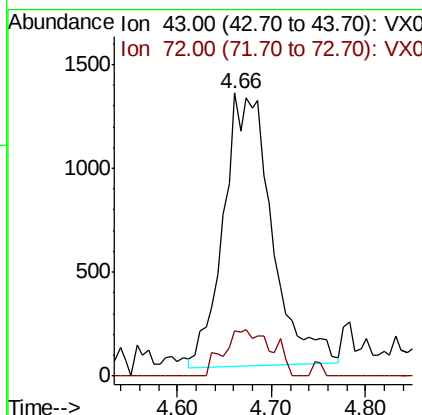
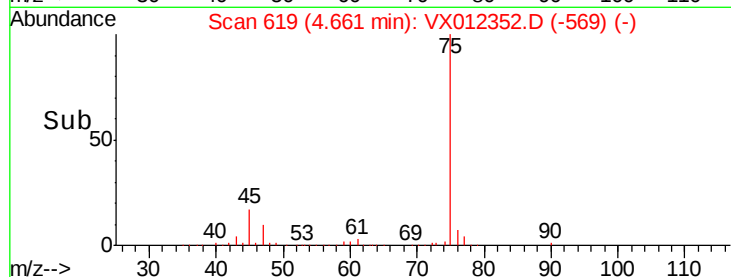
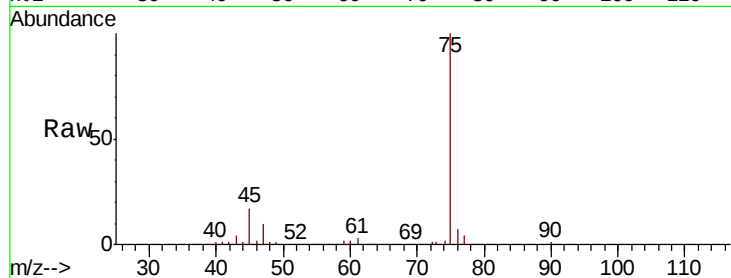




#25
 2-Butanone
 Concen: 6.626 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VX012352.D
 Acq: 12 Sep 2019 17:28

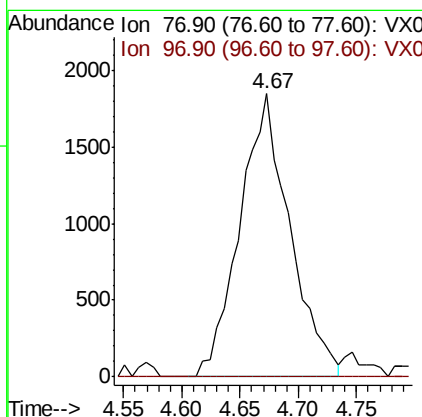
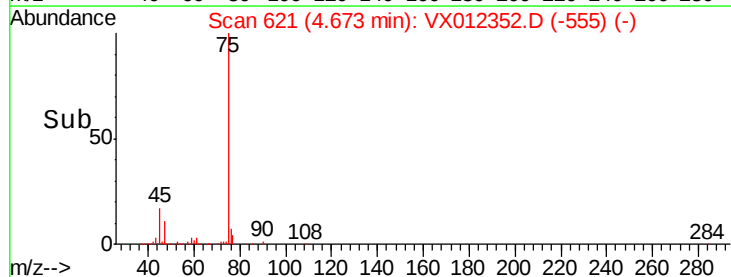
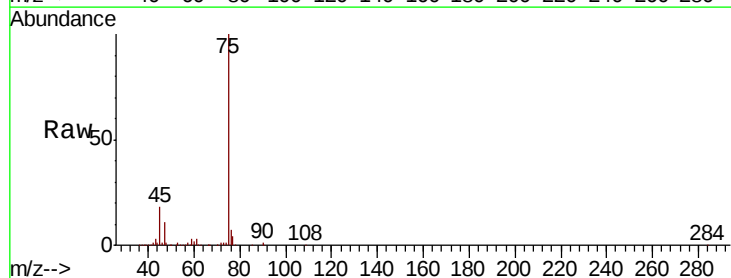
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBL02

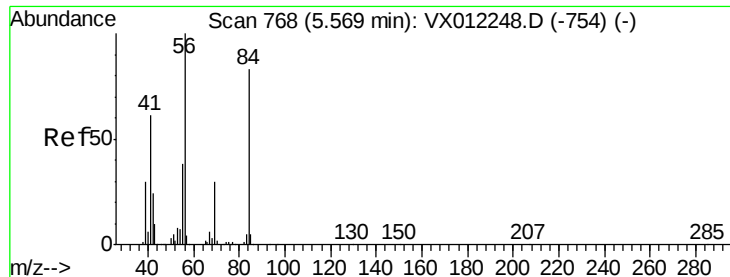
Tgt Ion: 43 Resp: 4734
 Ion Ratio Lower Upper
 43 100
 72 16.9 20.2 30.2#



#26
 2,2-Dichloropropane
 Concen: 1.859 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.10 min
 Lab File: VX012352.D
 Acq: 12 Sep 2019 17:28

Tgt Ion: 77 Resp: 5508
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.7 32.1#

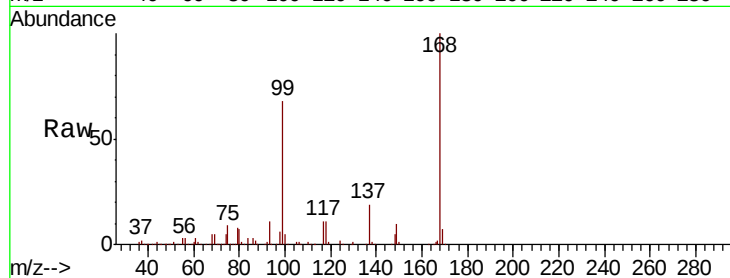




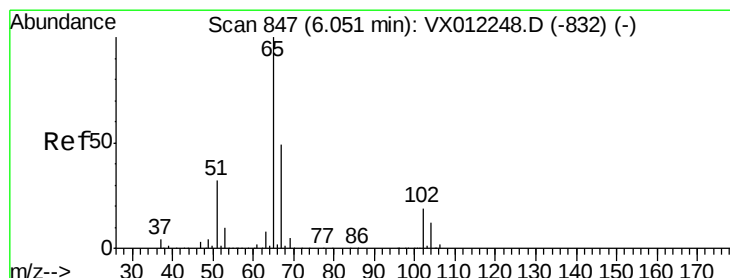
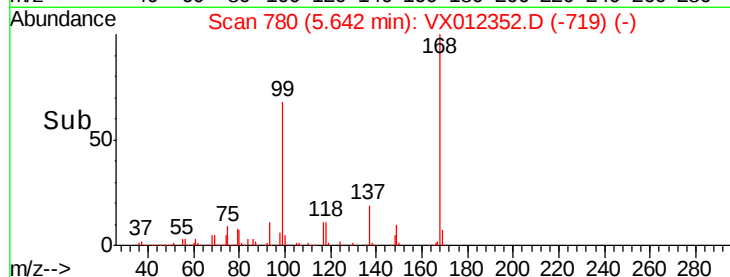
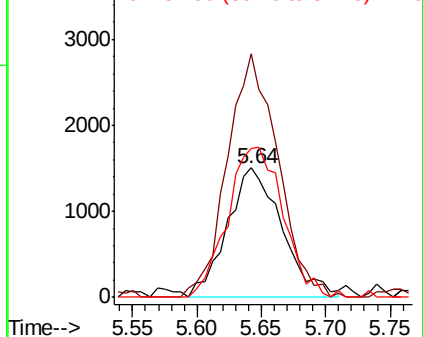
#31
Cyclohexane
Concen: 2.033 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012352.D
Acq: 12 Sep 2019 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBL02

Tgt Ion: 56 Resp: 4456
Ion Ratio Lower Upper
56 100
69 184.6 23.8 35.6#
84 115.4 66.6 100.0#

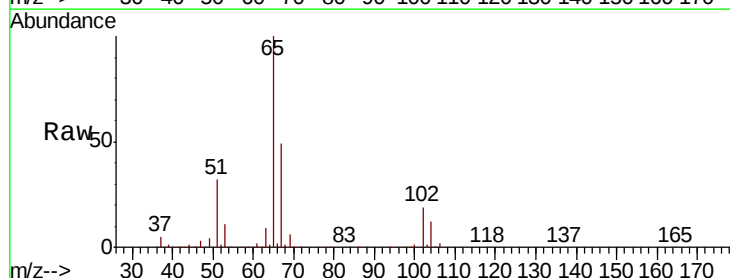


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

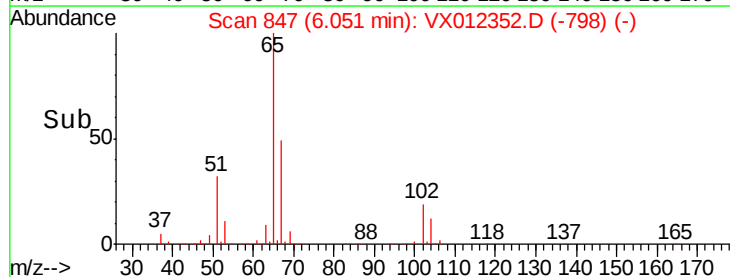
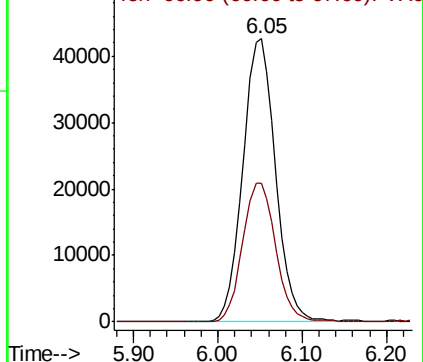


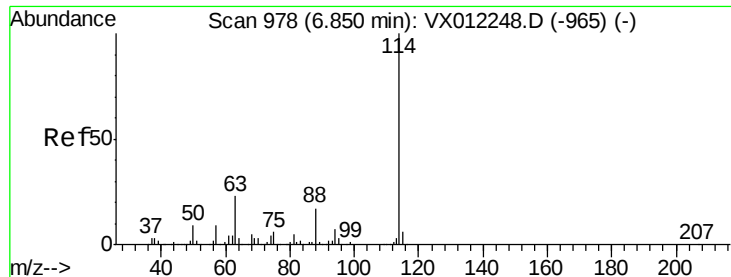
#33
1,2-Dichloroethane-d4
Concen: 47.233 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012352.D
Acq: 12 Sep 2019 17:28

Tgt Ion: 65 Resp: 111510
Ion Ratio Lower Upper
65 100
67 50.1 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: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBL02

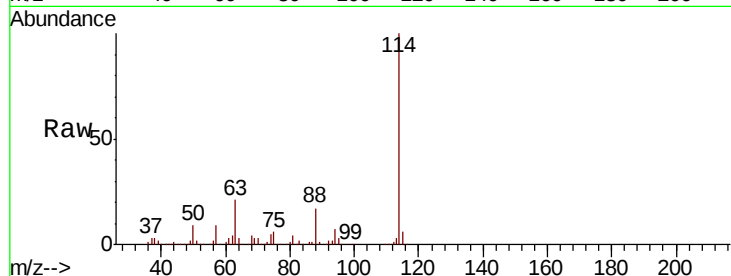
Tgt Ion:114 Resp: 286028

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.2

88 17.1 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

150000

100000

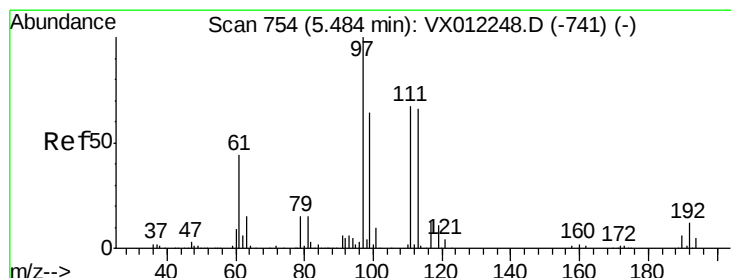
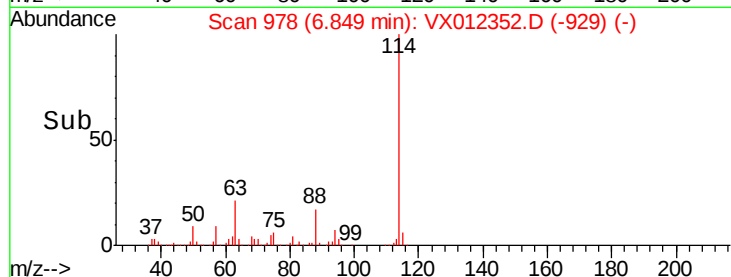
50000

0

6.85

6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 46.942 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012352.D

Acq: 12 Sep 2019 17:28

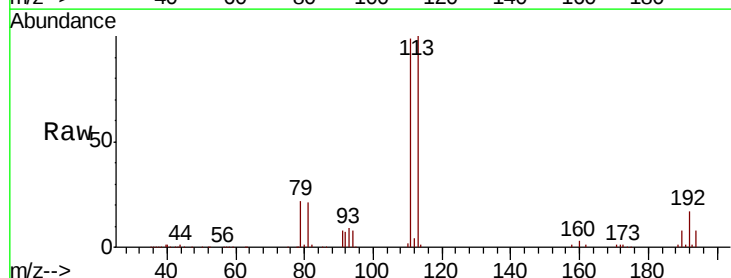
Tgt Ion:113 Resp: 86072

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

192 17.6 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

40000

30000

20000

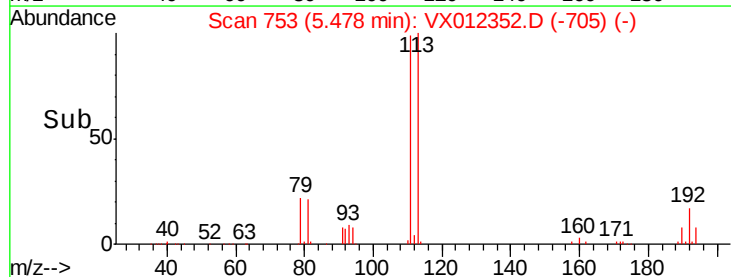
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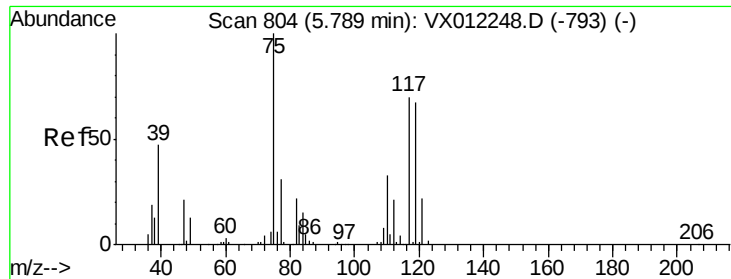
0

5.48

5.40 5.50 5.60

Time-->

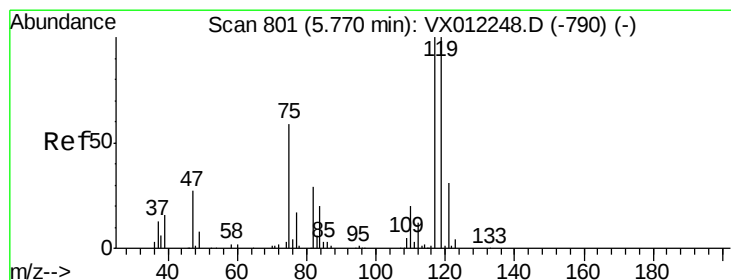
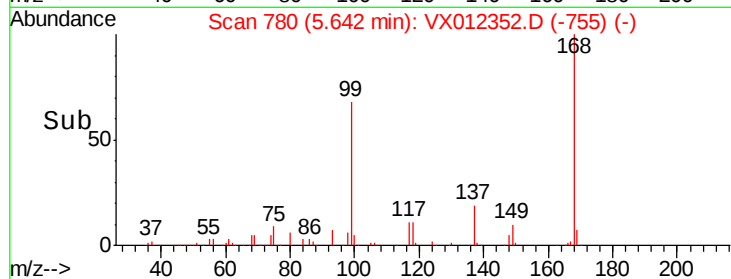
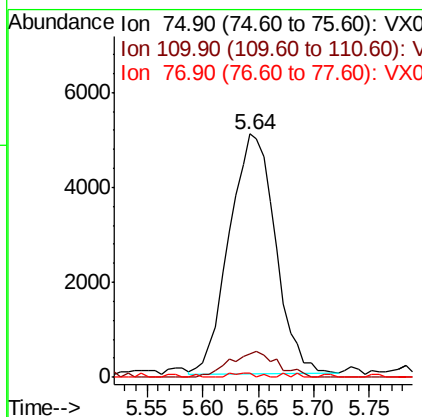
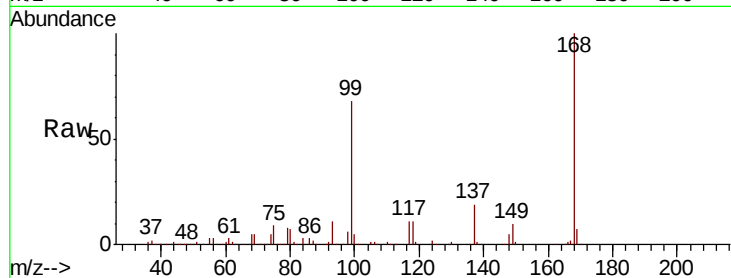




#36
 1,1-Dichloropropene
 Concen: 6.924 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012352.D
 Acq: 12 Sep 2019 17:28

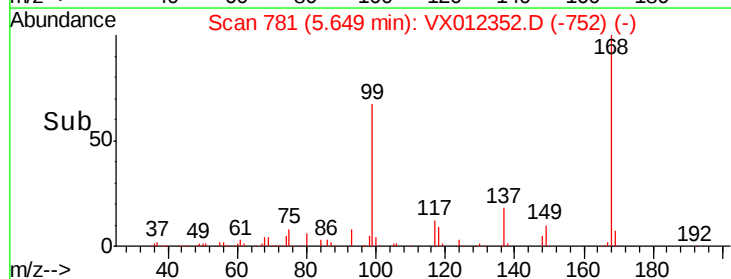
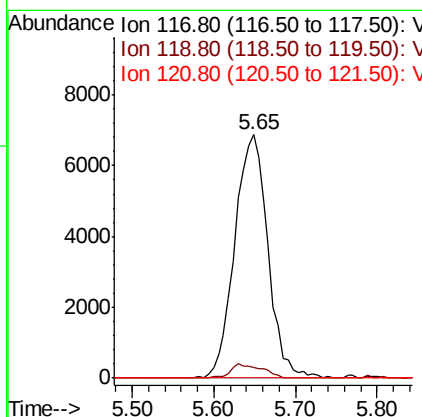
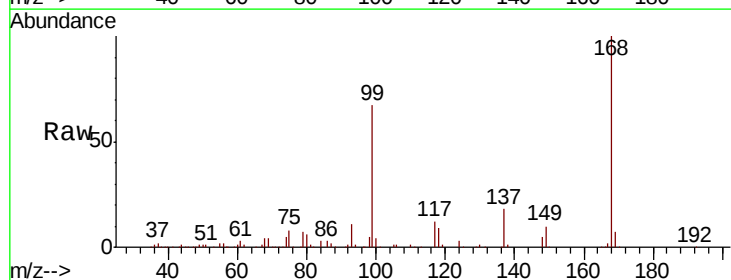
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912SBL02

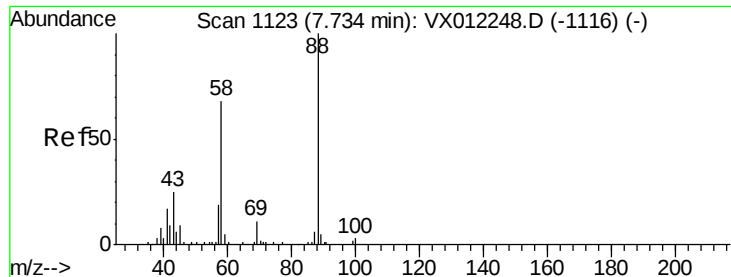
Tgt Ion: 75 Resp: 14440
 Ion Ratio Lower Upper
 75 100
 110 11.3 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.922 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012352.D
 Acq: 12 Sep 2019 17:28

Tgt Ion: 117 Resp: 19384
 Ion Ratio Lower Upper
 117 100
 119 4.4 79.6 119.4#
 121 0.0 24.7 37.1#

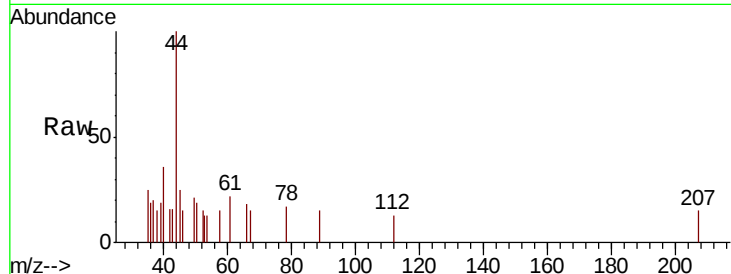




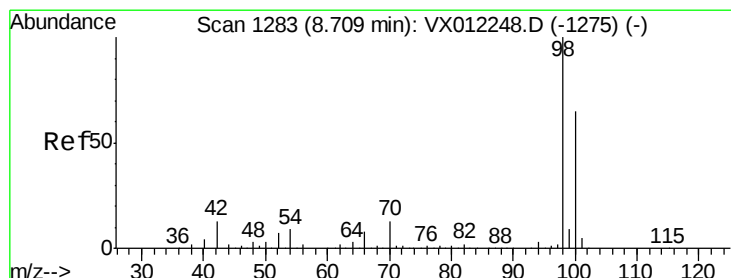
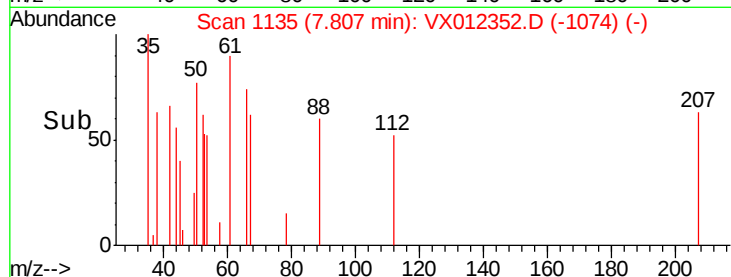
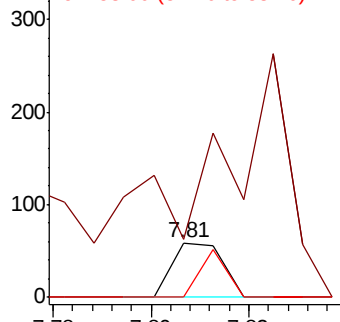
#49
1,4-Dioxane
Concen: 2.392 ug/l
RT: 7.81 min Scan# 1135
Delta R.T. 0.07 min
Lab File: VX012352.D
Acq: 12 Sep 2019 17:28

Instrument :
MSVOA_X
ClientSampleId :
VX0912SBL02

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 111.9 31.0 46.4#
58 45.2 61.5 92.3#

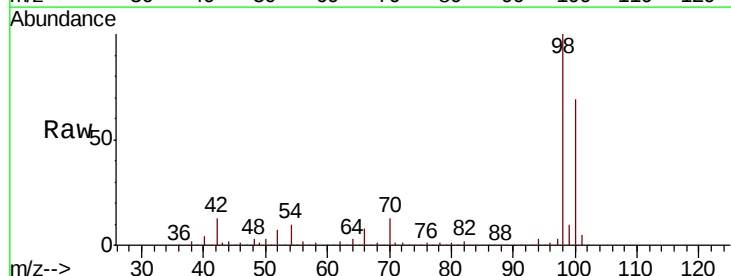


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

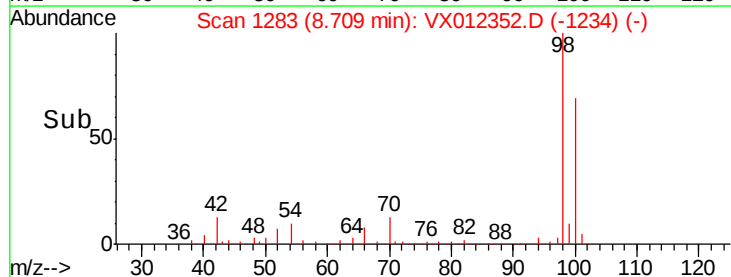
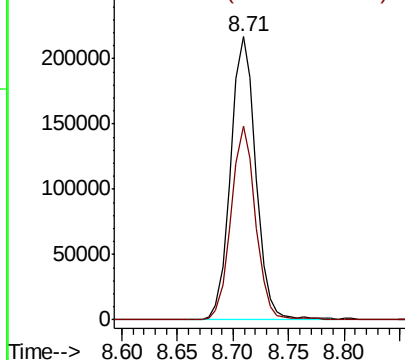


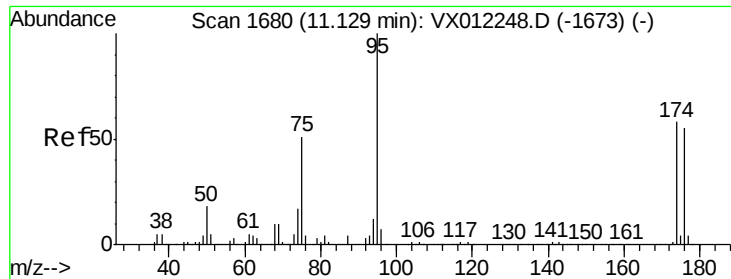
#50
Toluene-d8
Concen: 52.902 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012352.D
Acq: 12 Sep 2019 17:28

Tgt Ion: 98 Resp: 340213
Ion Ratio Lower Upper
98 100
100 67.3 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.768 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampled :

VX0912SBL02

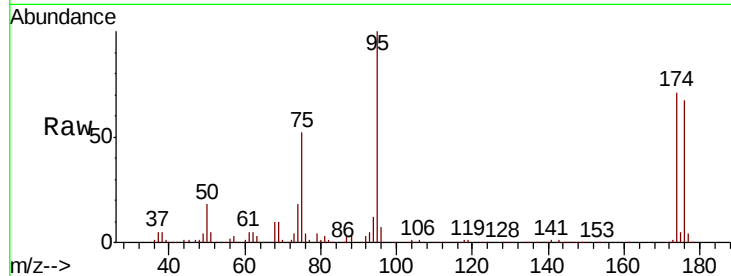
Tgt Ion: 95 Resp: 136454

Ion Ratio Lower Upper

95 100

174 67.3 0.0 127.0

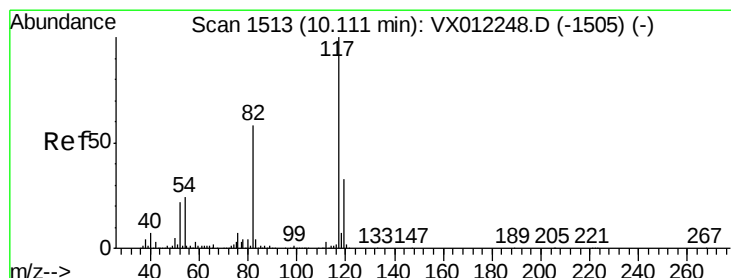
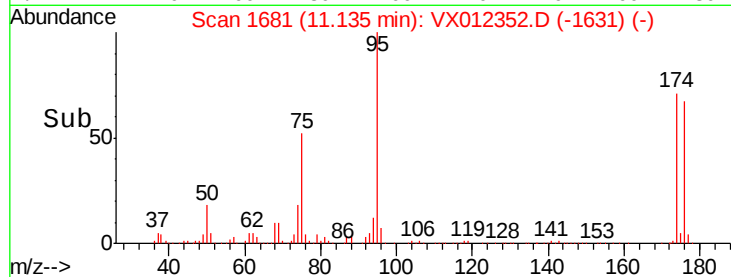
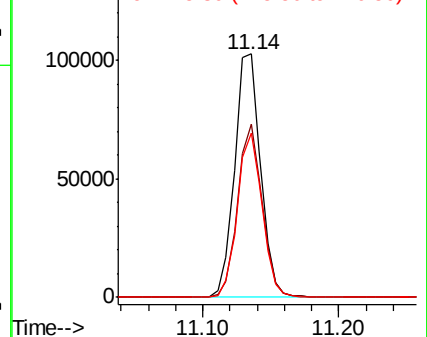
176 64.5 0.0 125.8



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: VX012352.D

Acq: 12 Sep 2019 17:28

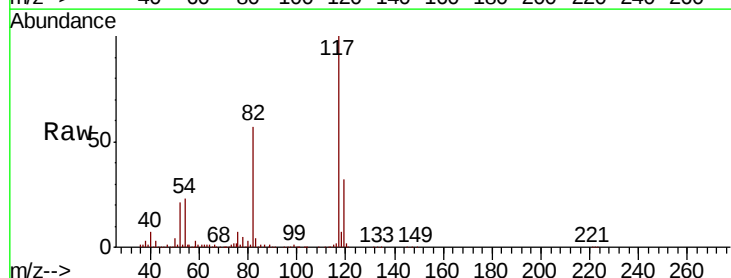
Tgt Ion: 117 Resp: 258765

Ion Ratio Lower Upper

117 100

82 57.2 46.4 69.6

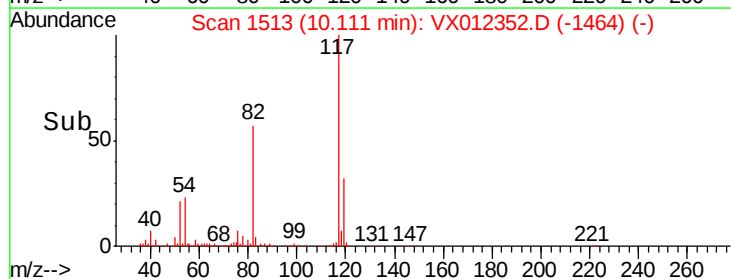
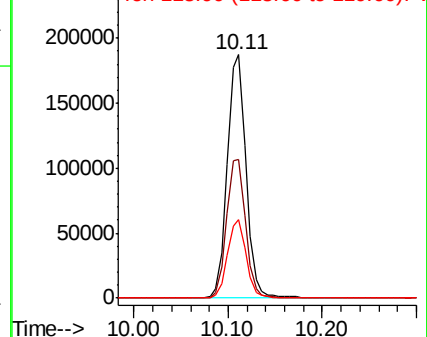
119 32.2 26.6 39.8

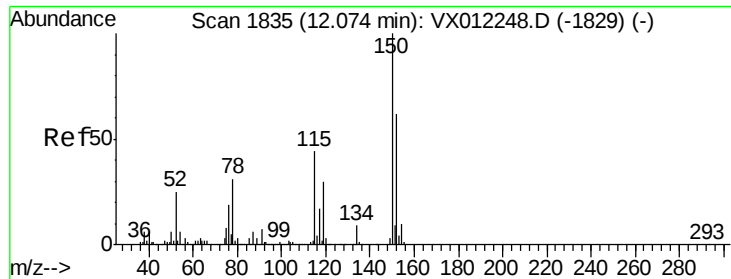


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

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: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBL02

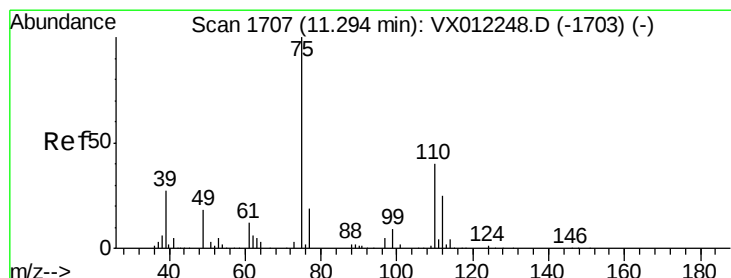
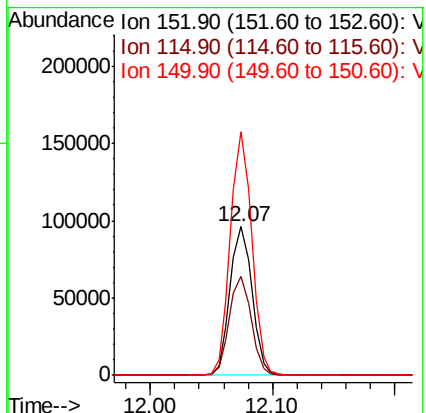
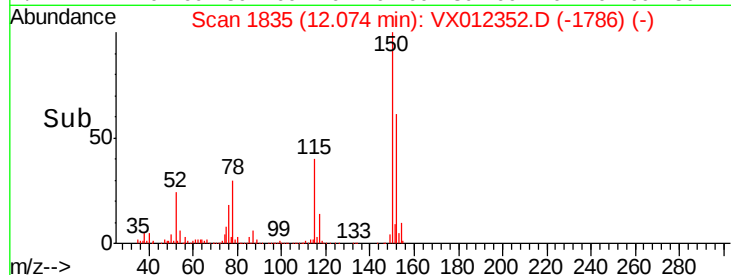
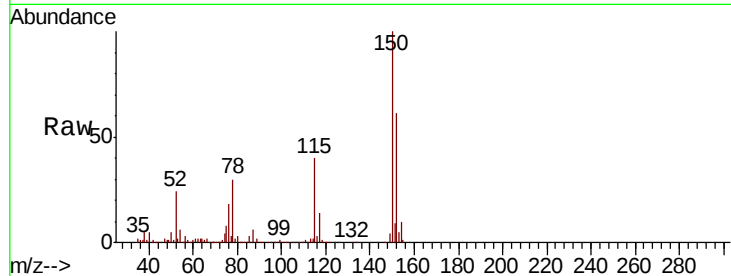
Tgt Ion:152 Resp: 119569

Ion Ratio Lower Upper

152 100

115 66.0 45.5 136.4

150 160.3 0.0 346.4



#76

1,2,3-Trichloropropane

Concen: 47.279 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012352.D

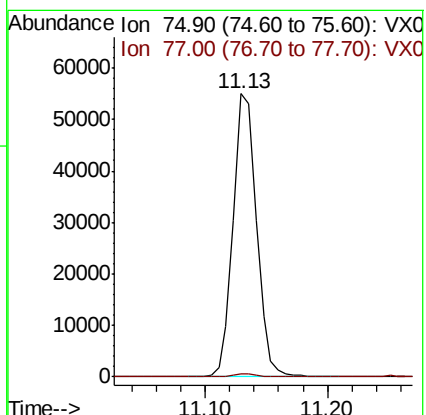
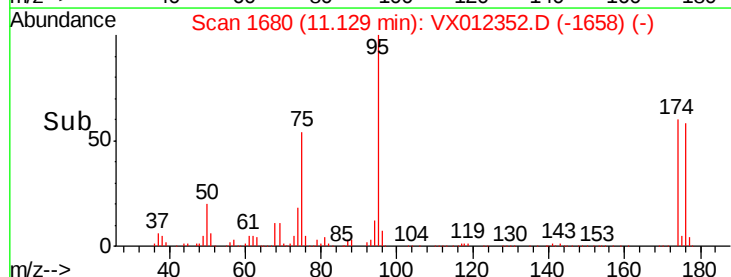
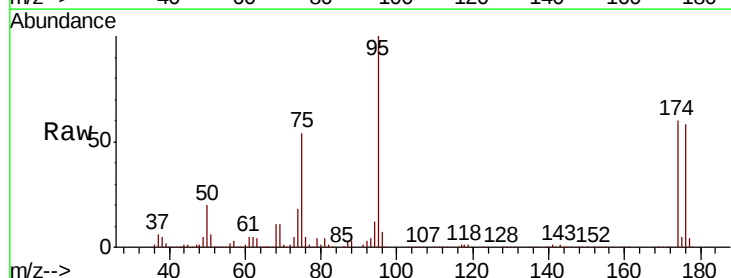
Acq: 12 Sep 2019 17:28

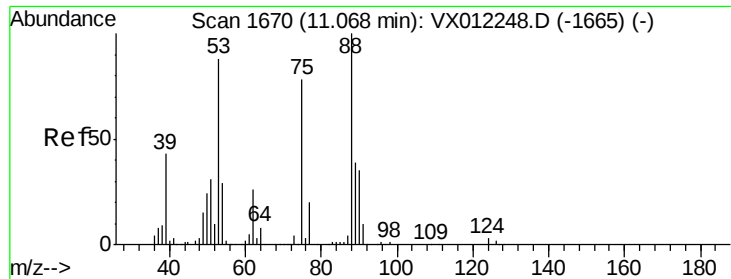
Tgt Ion: 75 Resp: 72623

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 141.660 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012352.D

Acq: 12 Sep 2019 17:28

Instrument :

MSVOA_X

ClientSampleId :

VX0912SBL02

Tgt Ion: 75 Resp: 72623

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

