

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012736.D
 Acq On : 01 Oct 2019 16:25
 Operator : JC/SP
 Sample : K5082-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP05-20190926

Quant Time: Oct 02 01:47:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	158088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275890	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	81337	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	113557	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	5.49	113	84331	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
50) Toluene-d8	8.71	98	322706	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.13	95	100626	40.44	ug/l	0.00
Spiked Amount			Recovery	=	80.88%	

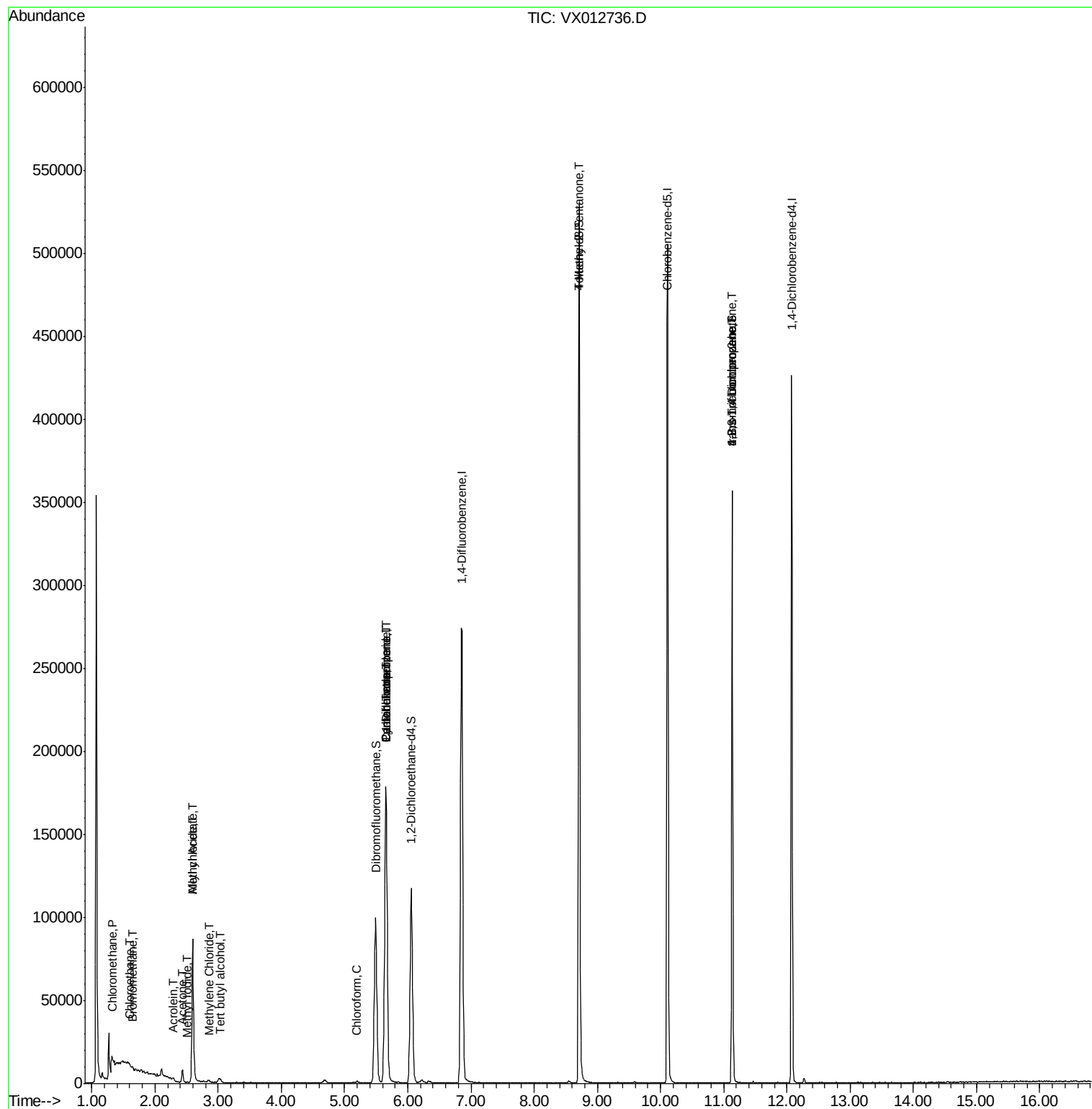
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1087	0.532	ug/l	91
5) Bromomethane	1.64	94	275	0.345	ug/l #	61
6) Chloroethane	1.60	64	3131	2.288	ug/l #	49
10) Methyl Iodide	2.51	142	19	4.962	ug/l #	35
11) Tert butyl alcohol	3.03	59	3253	5.657	ug/l #	94
13) Acrolein	2.30	56	81	10.475	ug/l #	1
14) Allyl chloride	2.60	41	8226	2.439	ug/l #	63
16) Acetone	2.43	43	8146	6.681	ug/l	96
18) Methyl Acetate	2.59	43	23059	8.031	ug/l #	54
20) Methylene Chloride	2.86	84	475	0.230	ug/l #	61
30) Chloroform	5.20	83	1348	0.372	ug/l	93
31) Cyclohexane	5.65	56	3778	1.179	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13128	4.937	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17583	6.509	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1534	0.478	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	51753	24.054	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	51753	68.932	ug/l #	8

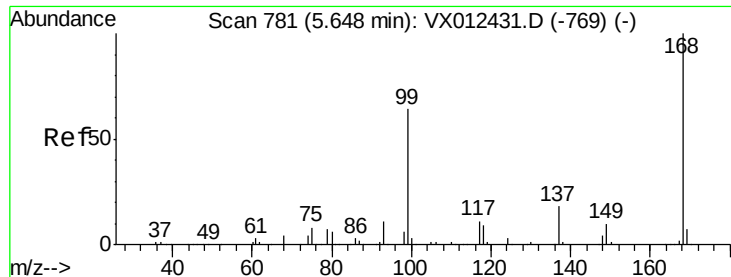
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

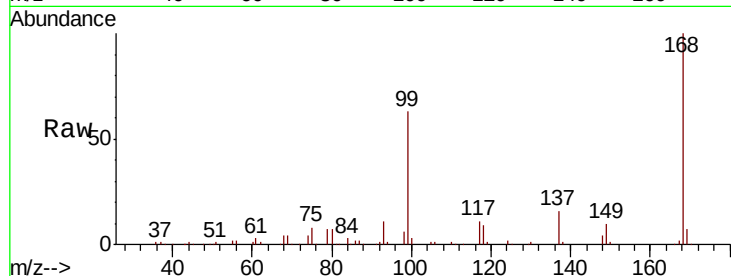
SA-DUP05-20190926

Tot Ion:168 Resp: 158088

Ion Ratio Lower Upper

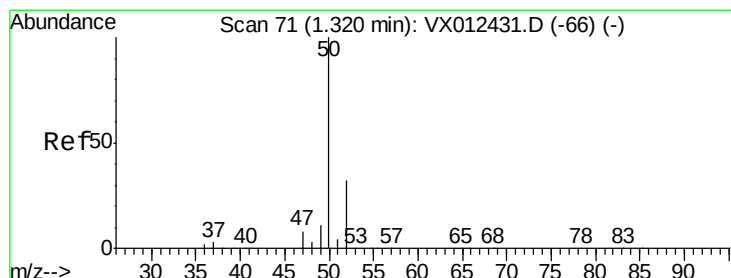
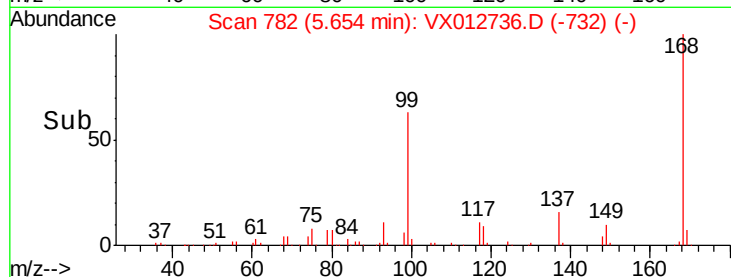
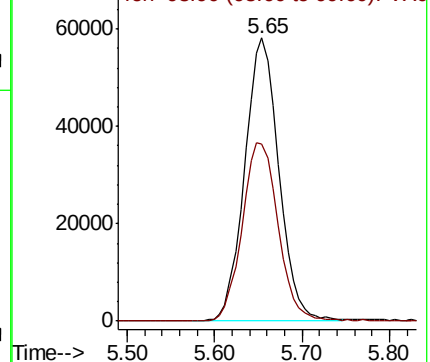
168 100

99 62.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.532 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012736.D

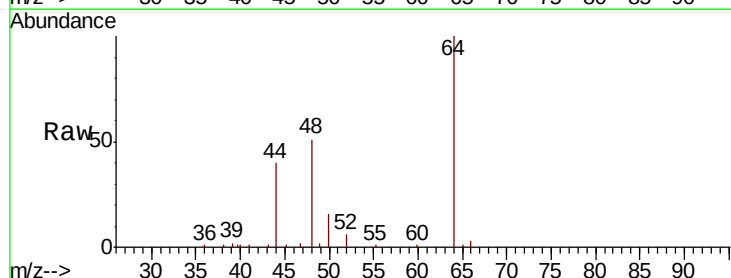
Acq: 01 Oct 2019 16:25

Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

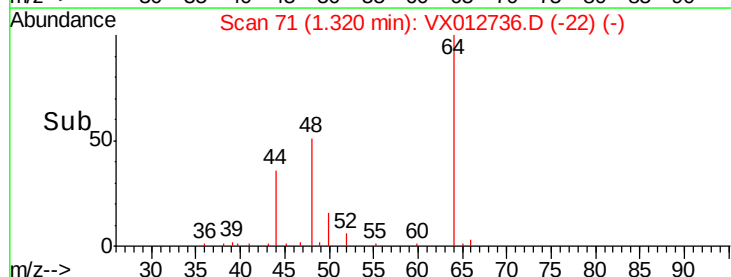
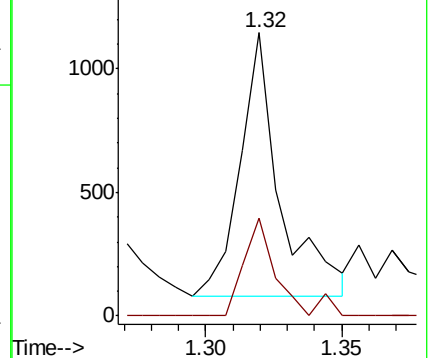
50 100

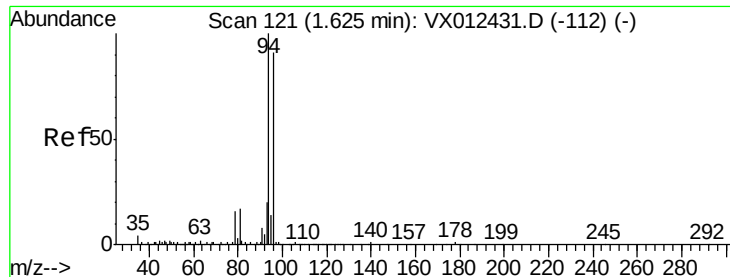
52 37.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

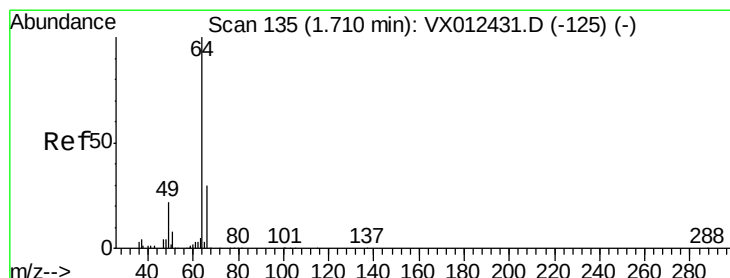
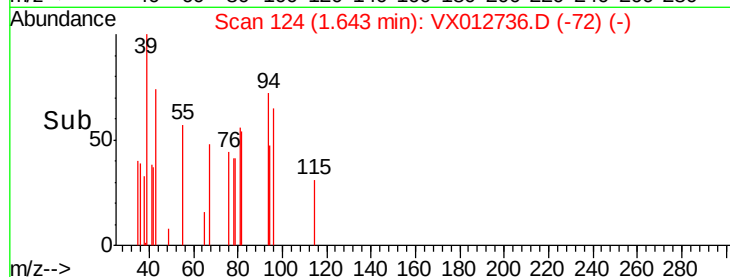
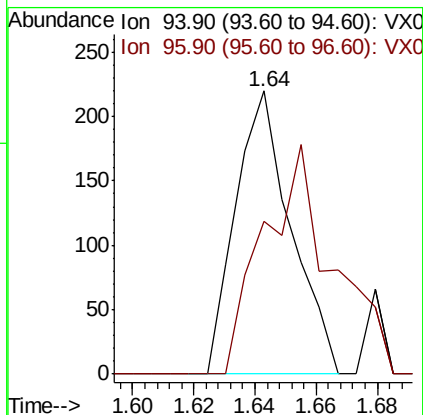
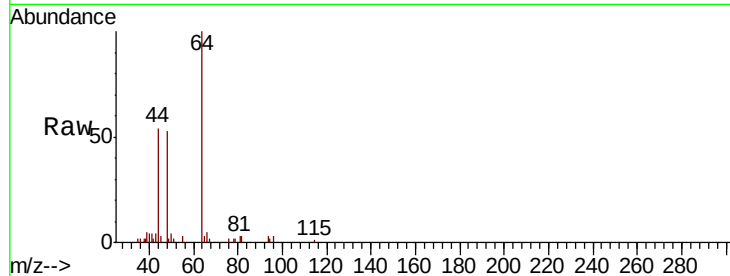
SA-DUP05-20190926

Tot Ion: 94 Resp: 275

Ion Ratio Lower Upper

94 100

96 54.1 72.8 109.2#



#6

Chloroethane

Concen: 2.288 ug/l

RT: 1.60 min Scan# 117

Delta R.T. -0.11 min

Lab File: VX012736.D

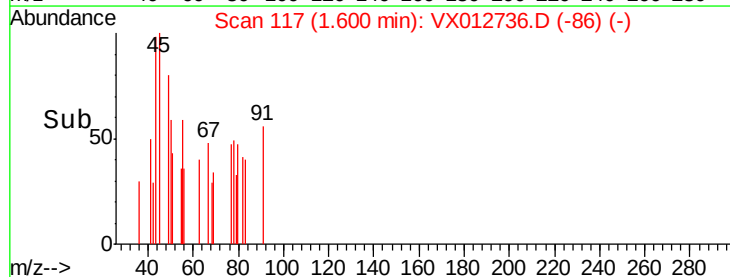
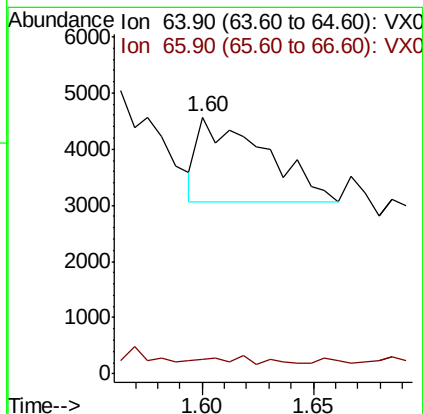
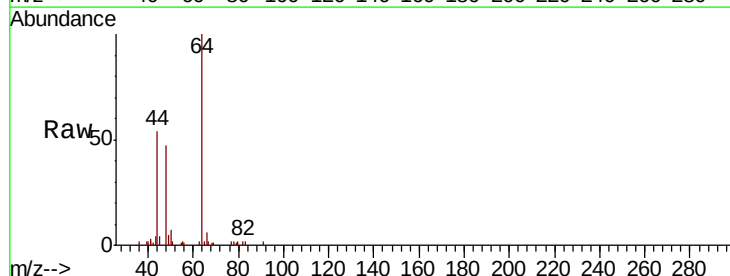
Acq: 01 Oct 2019 16:25

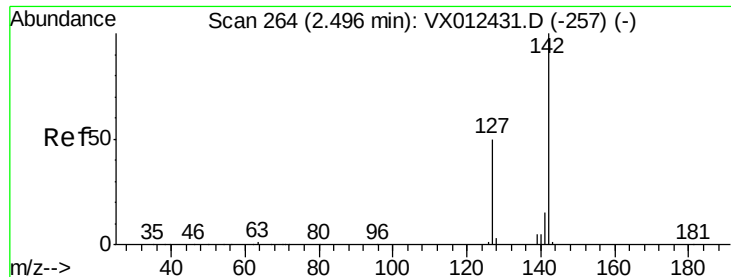
Tgt Ion: 64 Resp: 3131

Ion Ratio Lower Upper

64 100

66 2.4 24.0 36.0#





#10

Methyl Iodide

Concen: 4.962 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP05-20190926

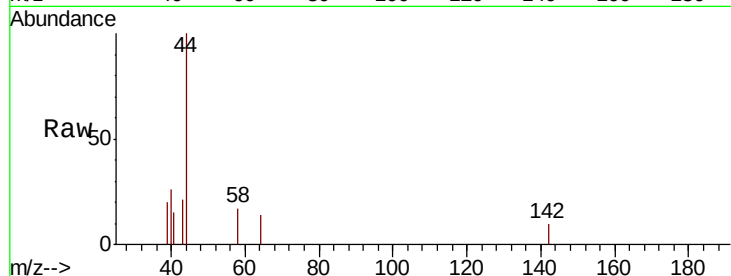
Tot Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

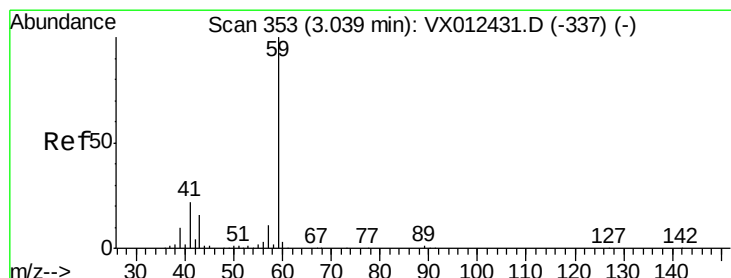
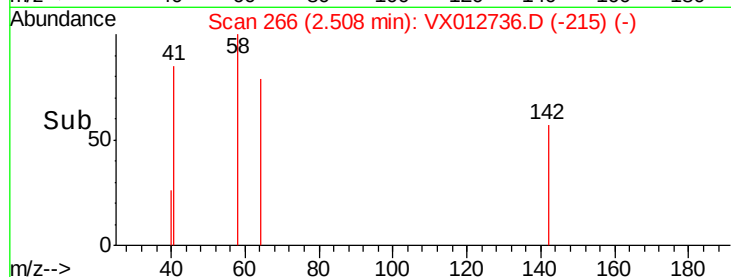
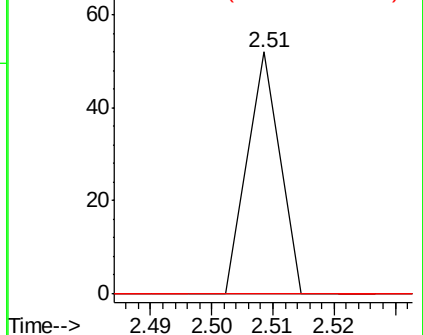
141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 5.657 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012736.D

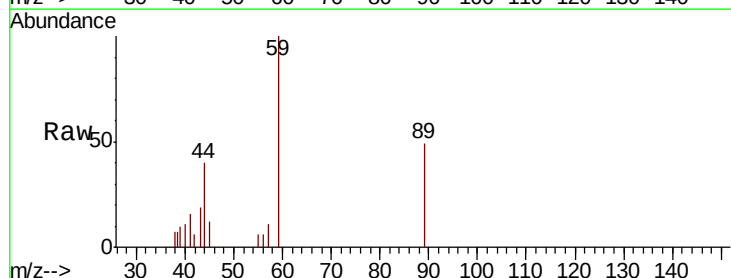
Acq: 01 Oct 2019 16:25

Tgt Ion: 59 Resp: 3253

Ion Ratio Lower Upper

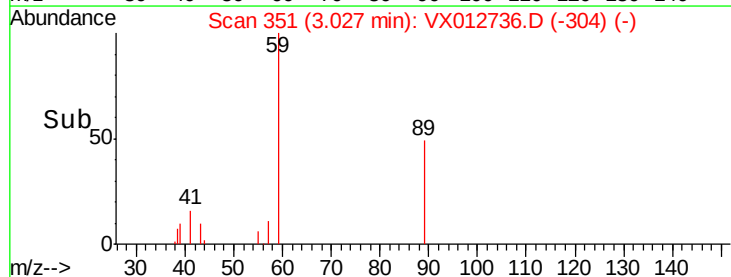
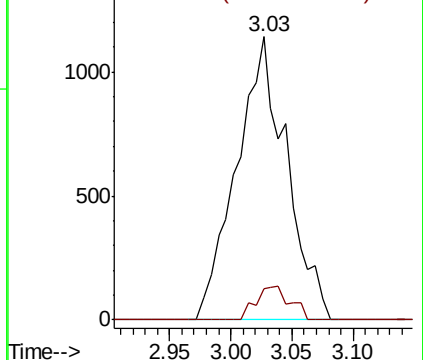
59 100

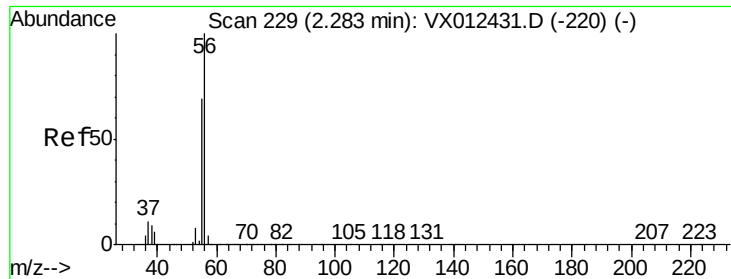
57 8.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 10.475 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

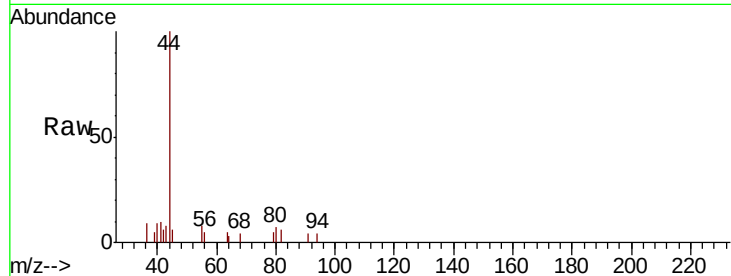
SA-DUP05-20190926

Tot Ion: 56 Resp: 81

Ion Ratio Lower Upper

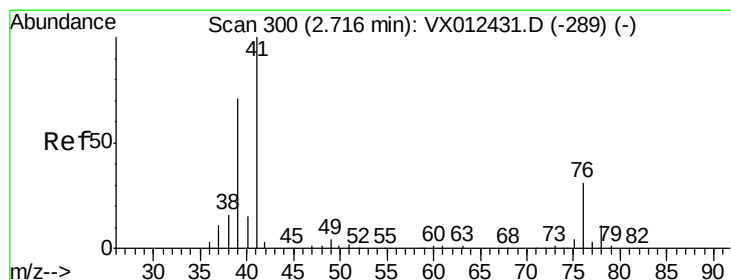
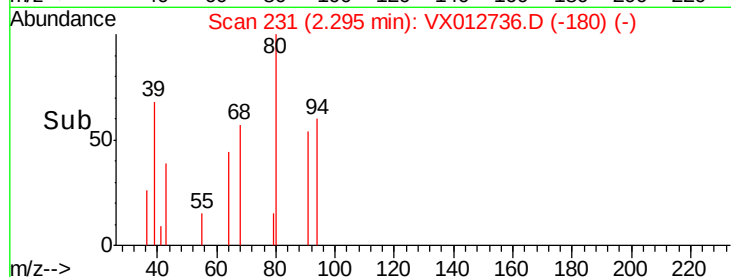
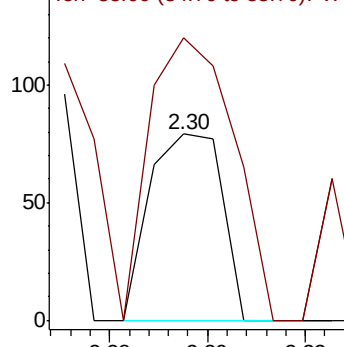
56 100

55 177.8 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.439 ug/l

RT: 2.60 min Scan# 281

Delta R.T. -0.12 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

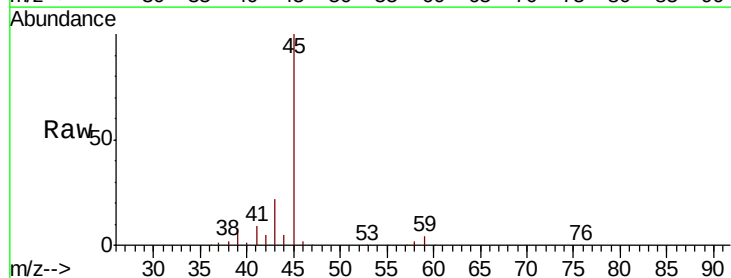
Tgt Ion: 41 Resp: 8226

Ion Ratio Lower Upper

41 100

39 88.5 51.3 76.9#

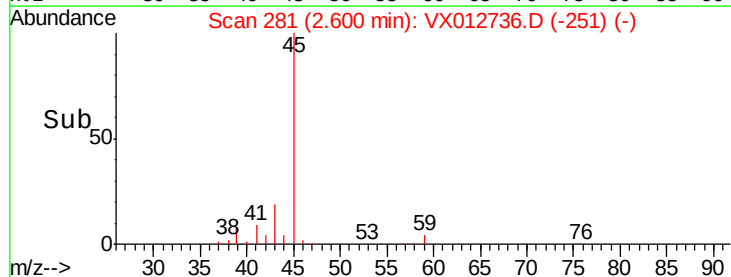
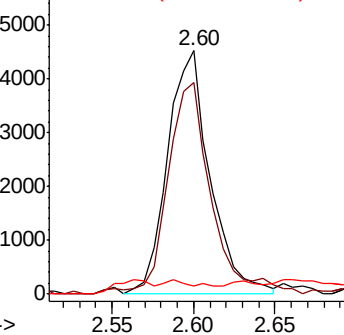
76 2.5 22.6 33.8#

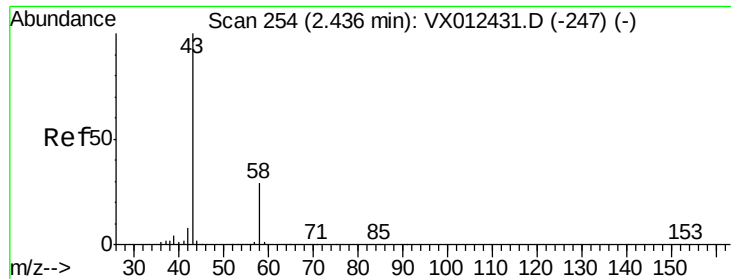


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 6.681 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

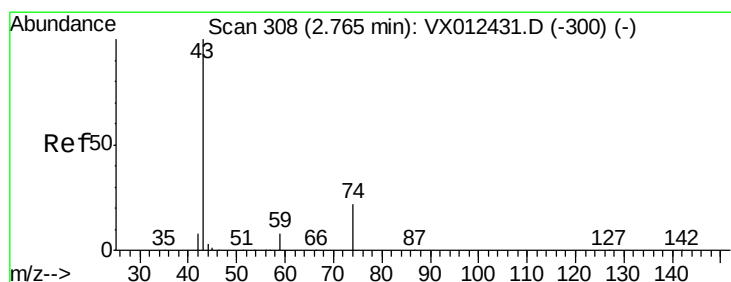
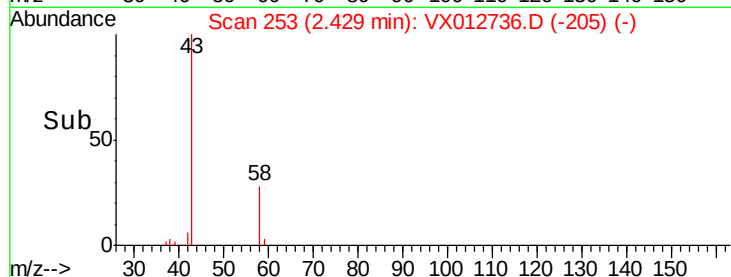
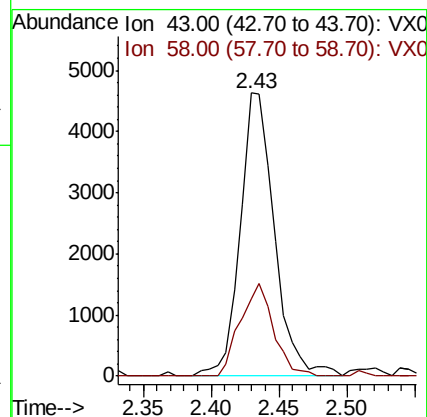
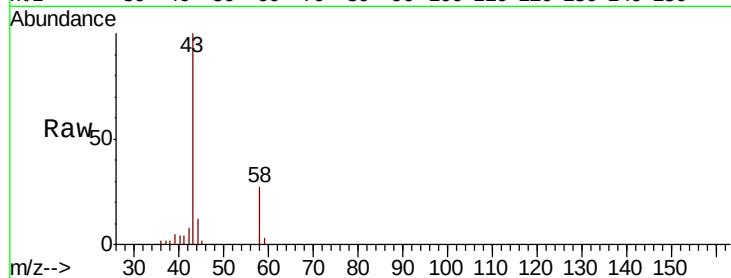
SA-DUP05-20190926

Tot Ion: 43 Resp: 8146

Ion Ratio Lower Upper

43 100

58 27.1 23.3 34.9



#18

Methyl Acetate

Concen: 8.031 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012736.D

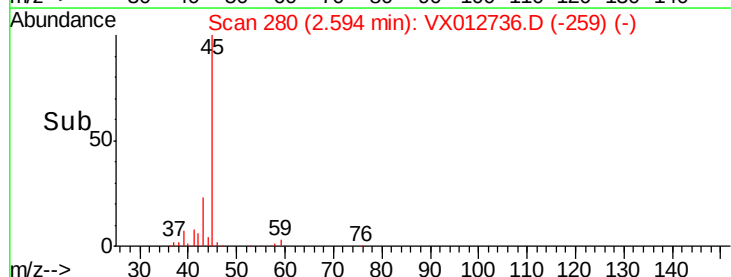
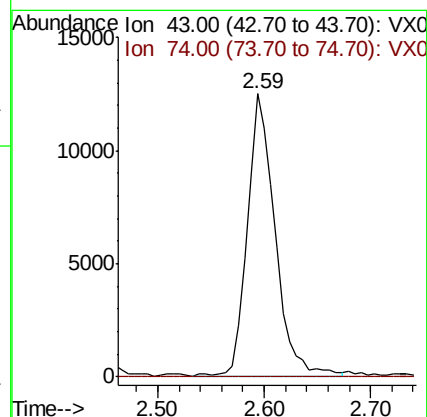
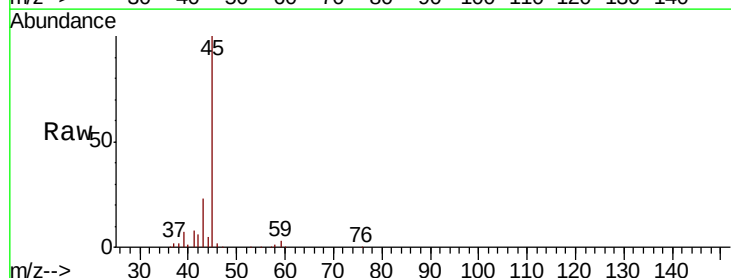
Acq: 01 Oct 2019 16:25

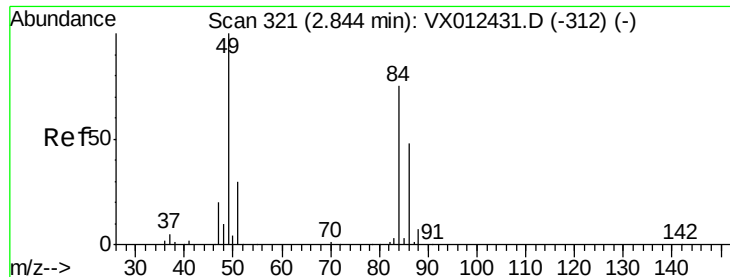
Tgt Ion: 43 Resp: 23059

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

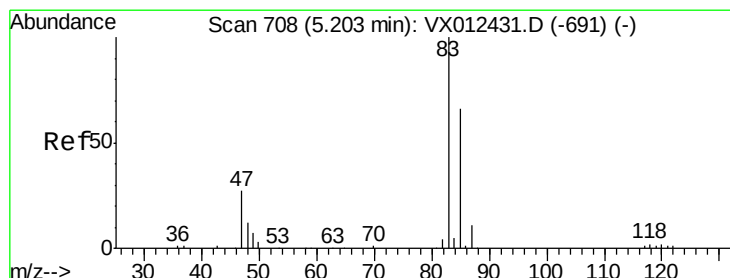
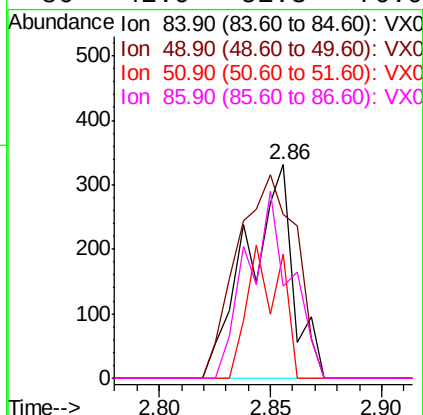
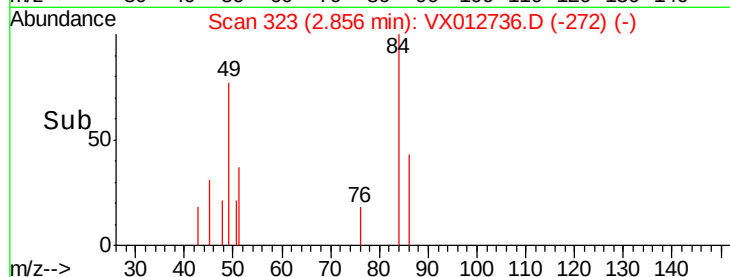
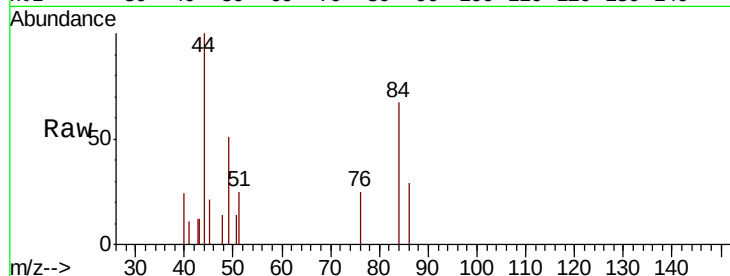




#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX012736.D
Acq: 01 Oct 2019 16:25

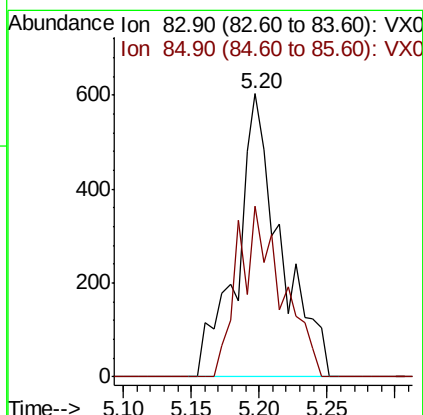
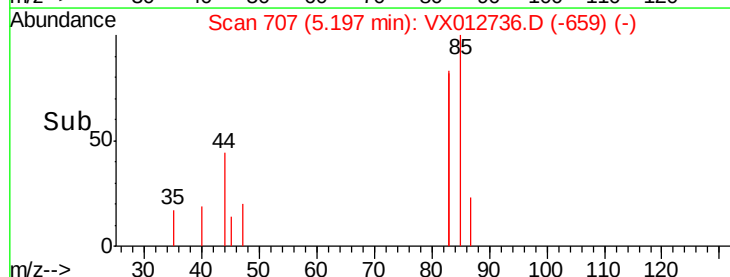
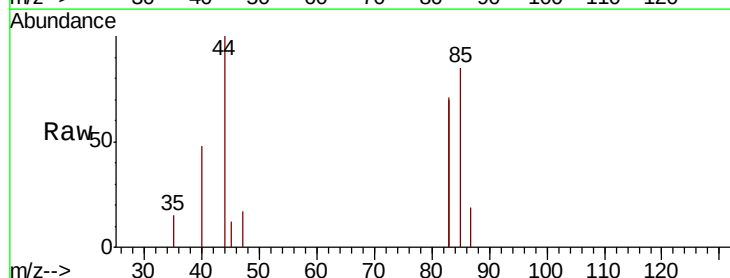
Instrument :
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ClientSampleId :
SA-DUP05-20190926

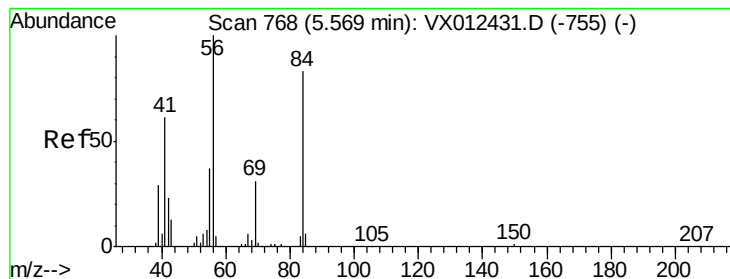
Tot Ion: 84 Resp: 475
Ion Ratio Lower Upper
84 100
49 76.7 106.8 160.2#
51 58.0 32.3 48.5#
86 42.9 51.3 76.9#



#30
Chloroform
Concen: 0.372 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX012736.D
Acq: 01 Oct 2019 16:25

Tgt Ion: 83 Resp: 1348
Ion Ratio Lower Upper
83 100
85 60.4 53.0 79.4





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP05-20190926

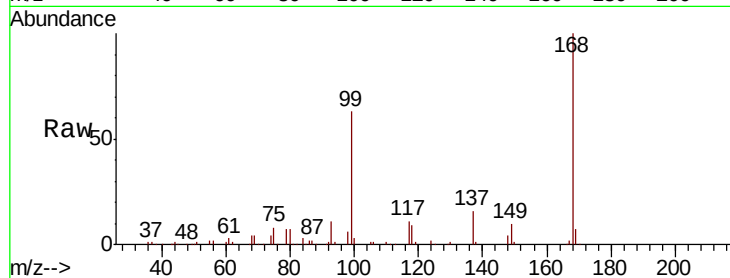
Tot Ion: 56 Resp: 3778

Ion Ratio Lower Upper

56 100

69 177.3 25.0 37.6#

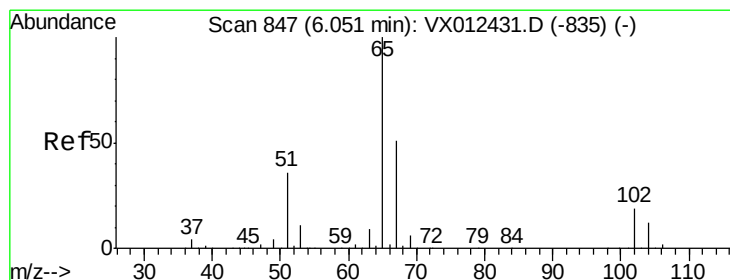
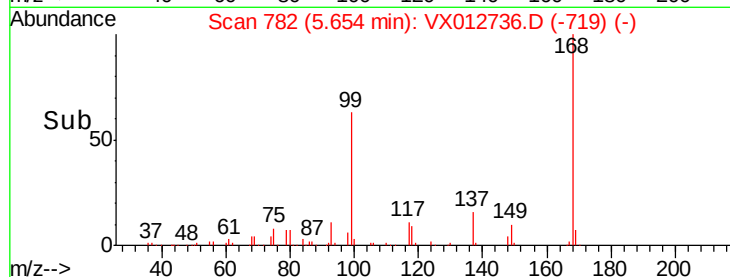
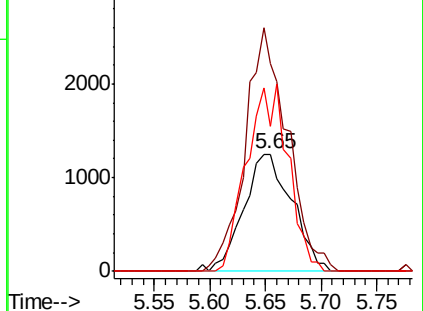
84 123.2 66.4 99.6#



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: 49.328 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012736.D

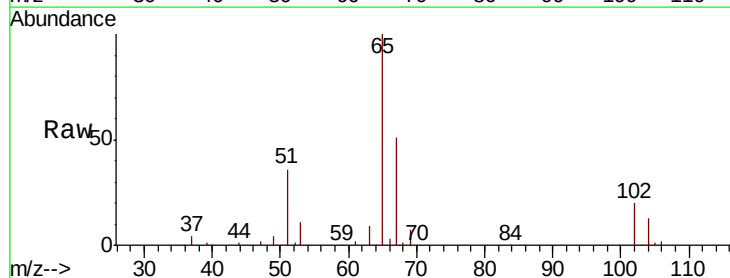
Acq: 01 Oct 2019 16:25

Tgt Ion: 65 Resp: 113557

Ion Ratio Lower Upper

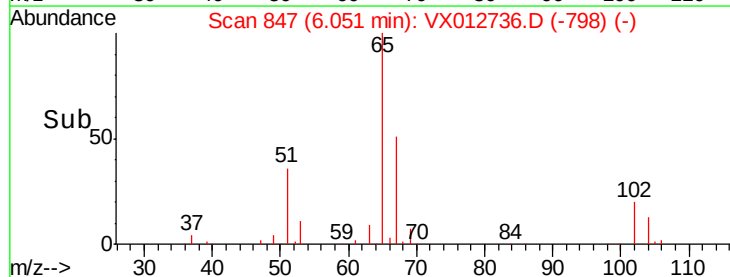
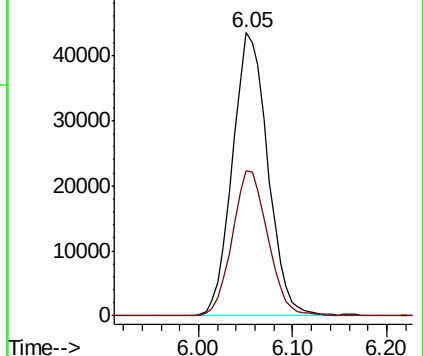
65 100

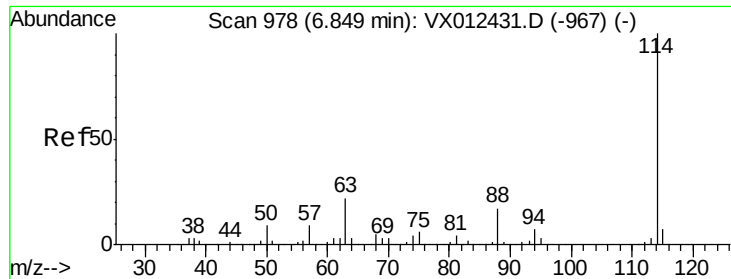
67 51.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

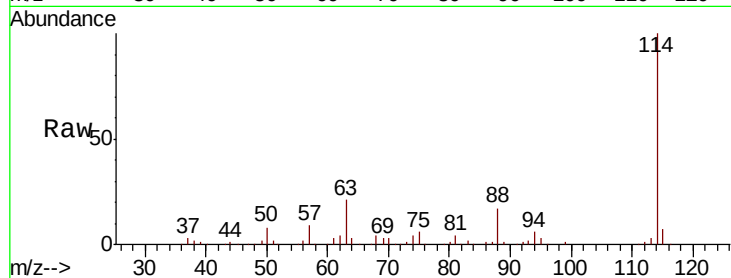




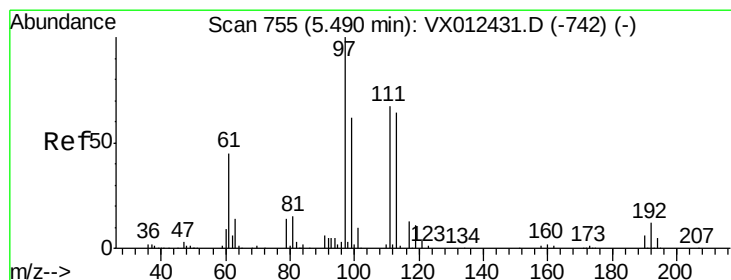
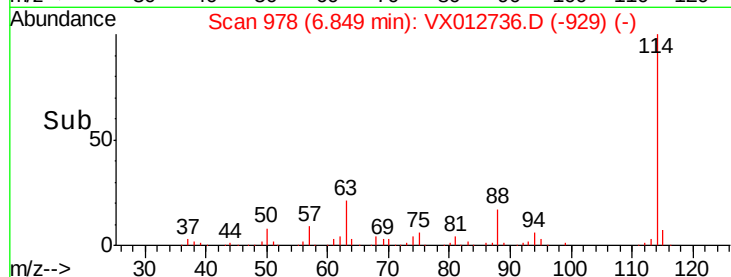
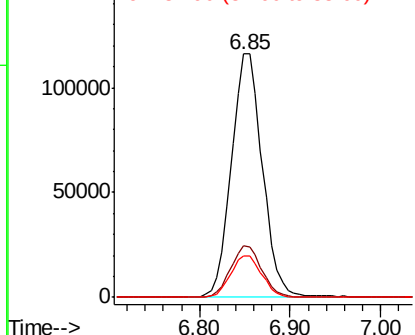
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012736.D
 Acq: 01 Oct 2019 16:25

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP05-20190926

Tot Ion:114 Resp: 275890
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 17.0 0.0 33.2

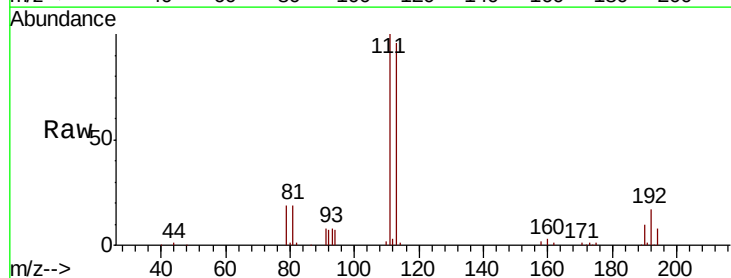


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

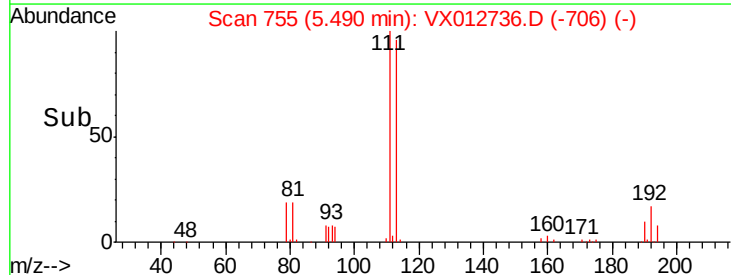
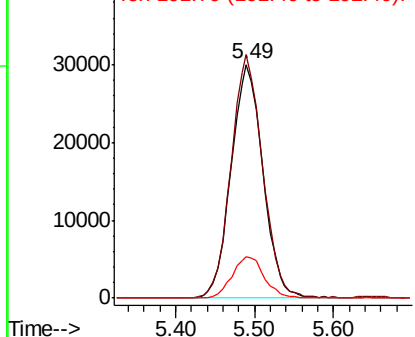


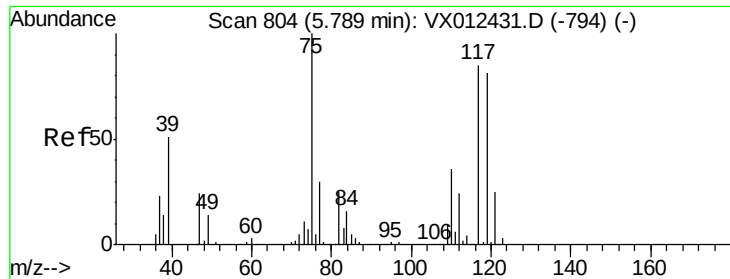
#35
 Dibromofluoromethane
 Concen: 51.326 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012736.D
 Acq: 01 Oct 2019 16:25

Tgt Ion:113 Resp: 84331
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.2
 192 17.7 14.4 21.6



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

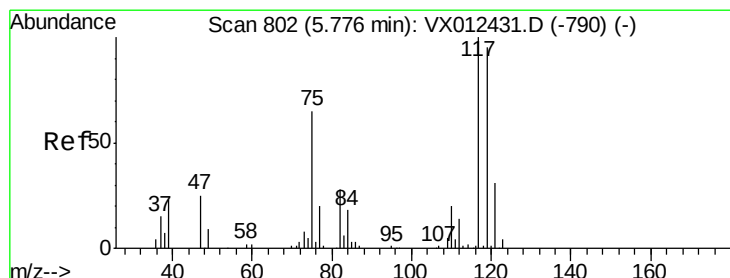
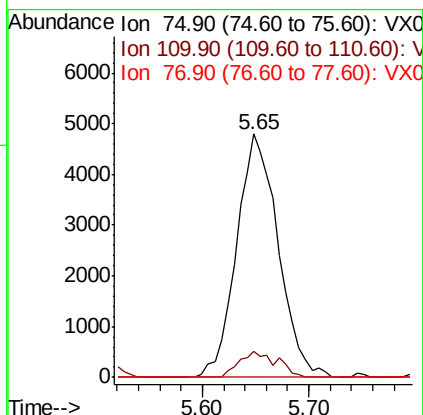
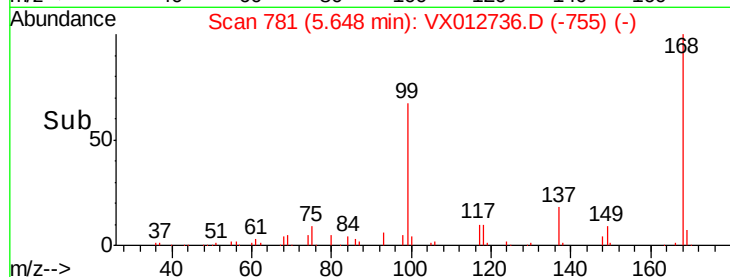
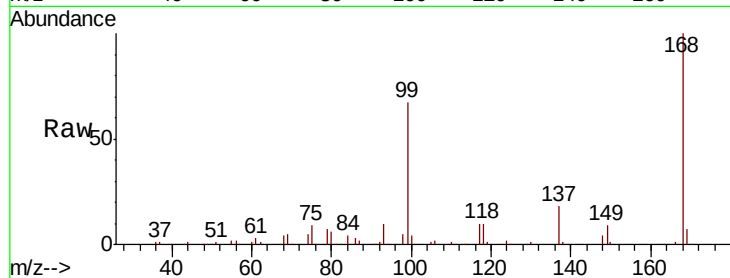




#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012736.D
 Acq: 01 Oct 2019 16:25

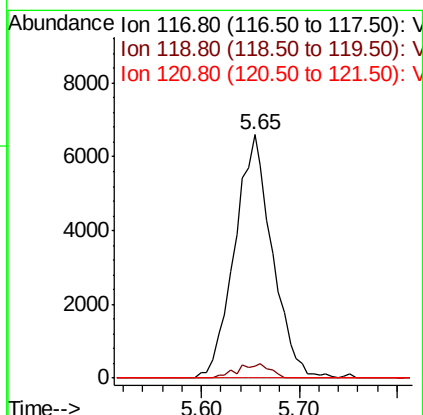
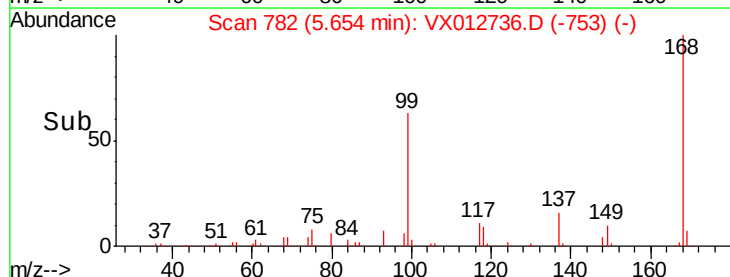
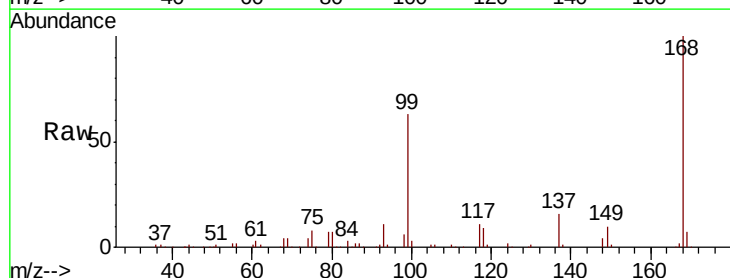
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-DUP05-20190926

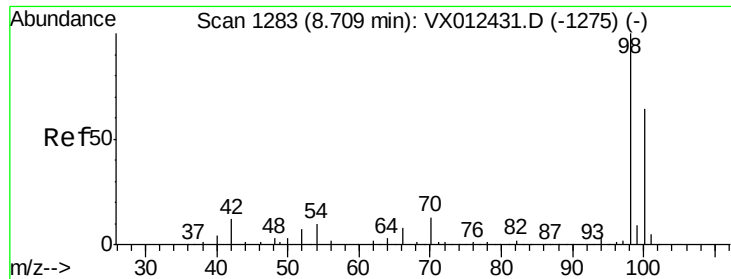
Tot Ion: 75 Resp: 13128
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.509 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012736.D
 Acq: 01 Oct 2019 16:25

Tgt Ion: 117 Resp: 17583
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.7 113.5#
 121 0.0 24.2 36.4#

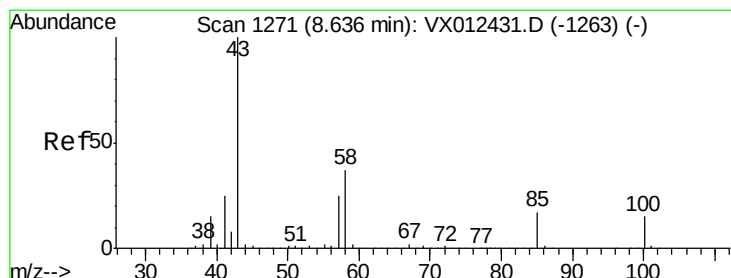
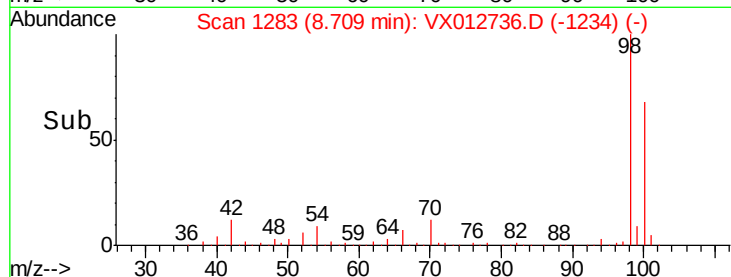
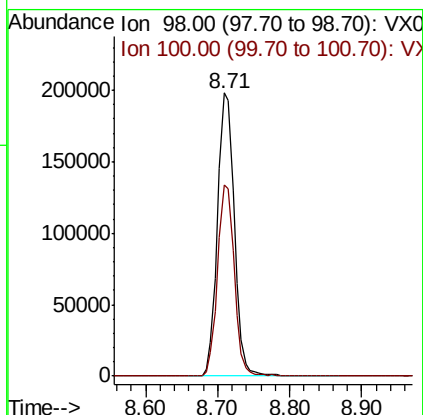
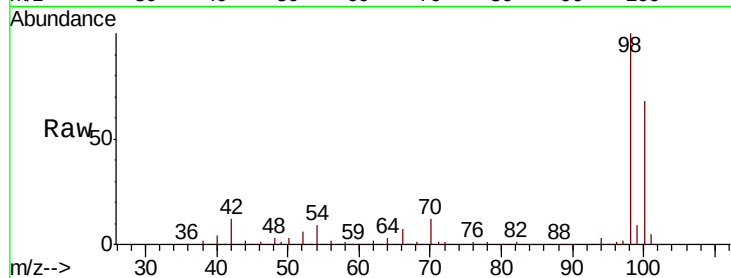




#50
Toluene-d8
Concen: 51.001 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012736.D
Acq: 01 Oct 2019 16:25

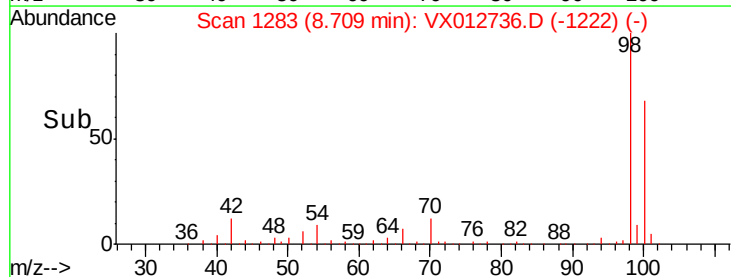
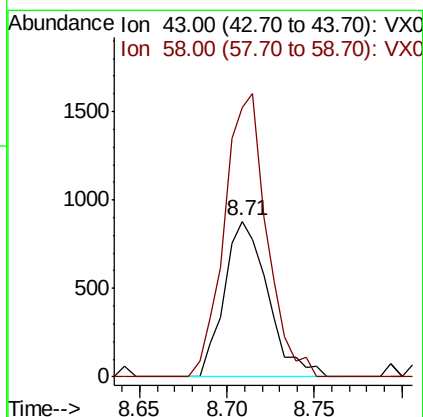
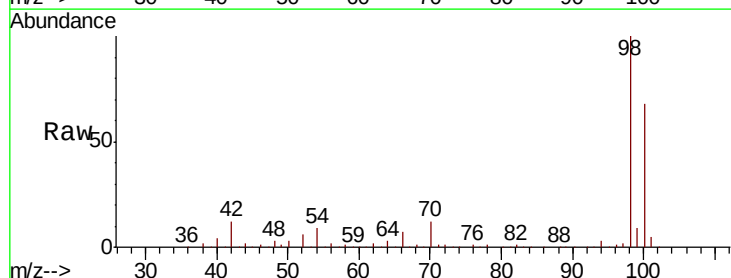
Instrument :
MSVOA_X
ClientSampleId :
SA-DUP05-20190926

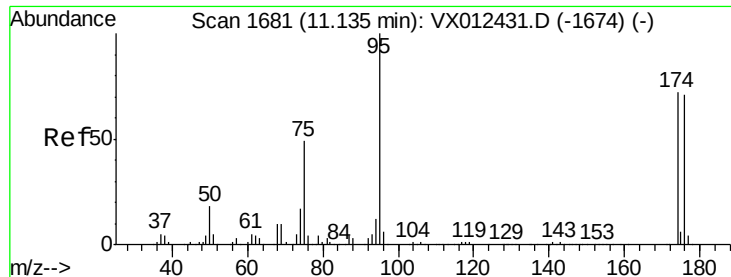
Tot Ion: 98 Resp: 322706
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012736.D
Acq: 01 Oct 2019 16:25

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
58 175.9 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 40.445 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP05-20190926

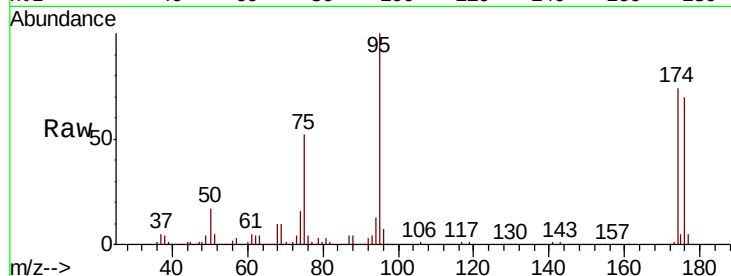
Tot Ion: 95 Resp: 100626

Ion Ratio Lower Upper

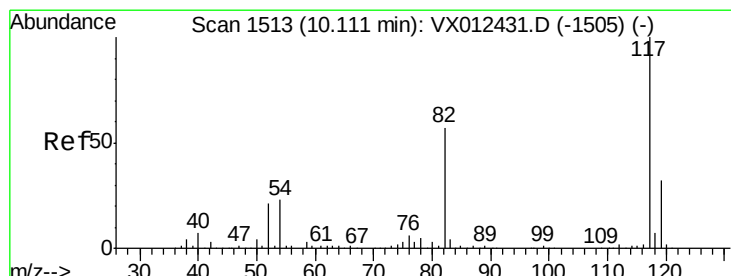
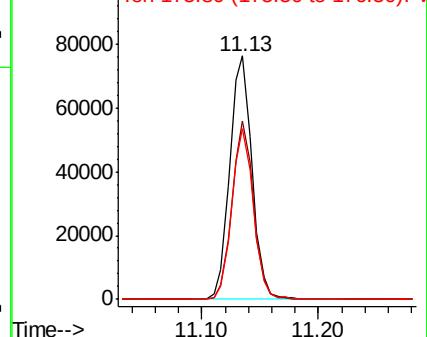
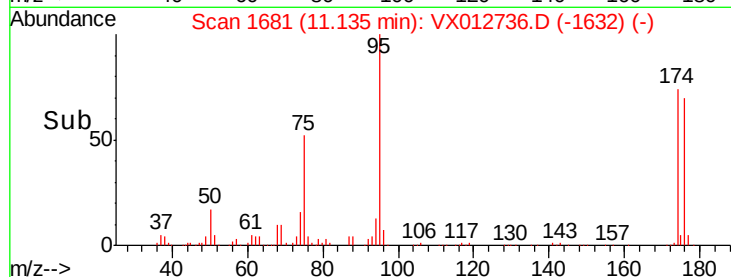
95 100

174 70.9 0.0 140.0

176 68.4 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012736.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

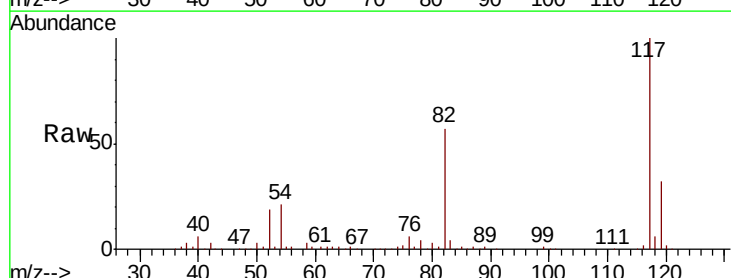
Tgt Ion: 117 Resp: 228597

Ion Ratio Lower Upper

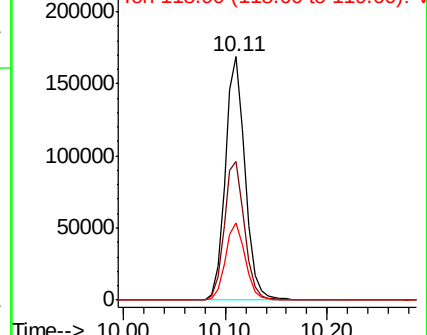
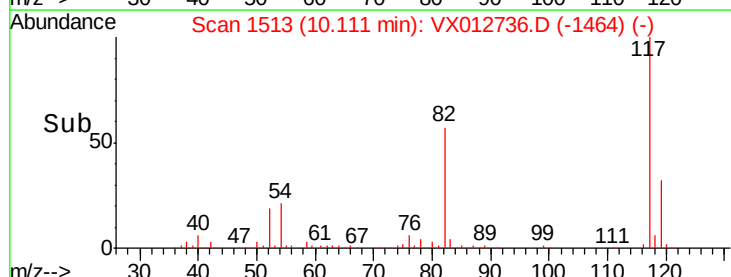
117 100

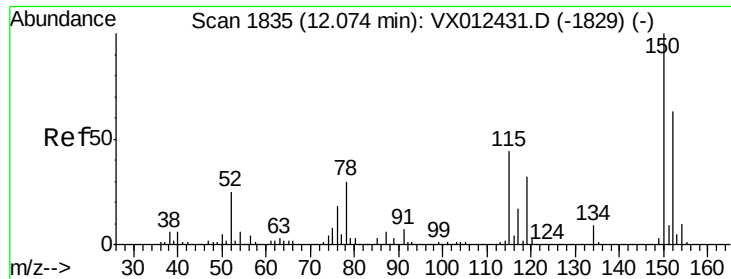
82 56.9 45.9 68.9

119 31.9 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VX012736.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP05-20190926

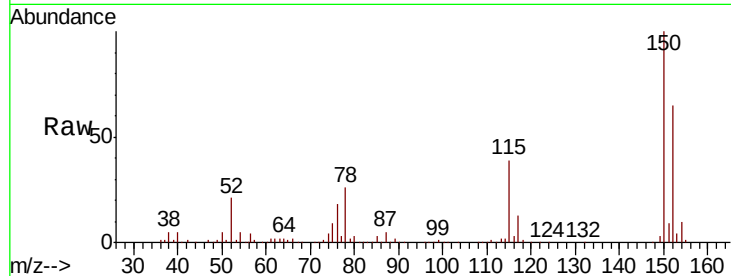
Tot Ion:152 Resp: 81337

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

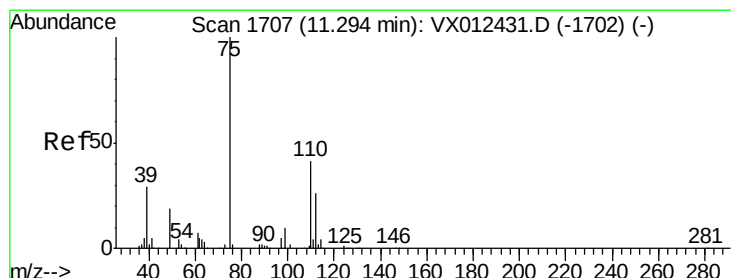
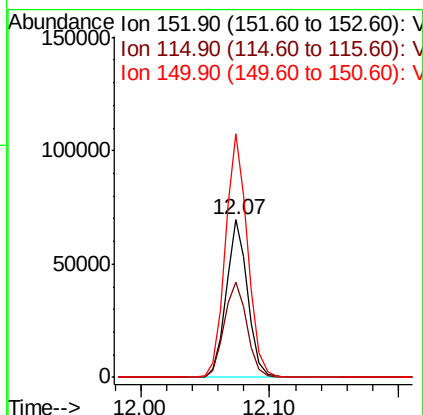
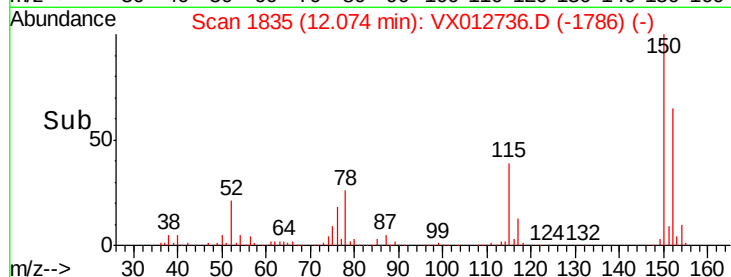
150 159.9 0.0 343.8



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: 24.054 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012736.D

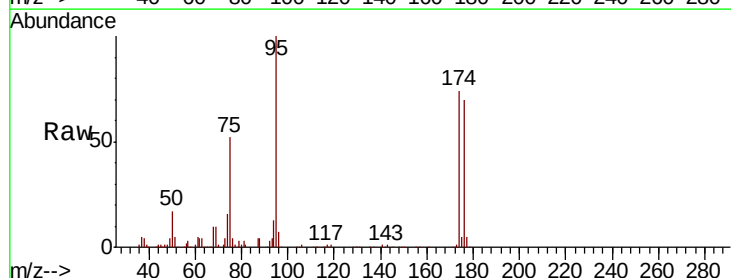
Acq: 01 Oct 2019 16:25

Tgt Ion: 75 Resp: 51753

Ion Ratio Lower Upper

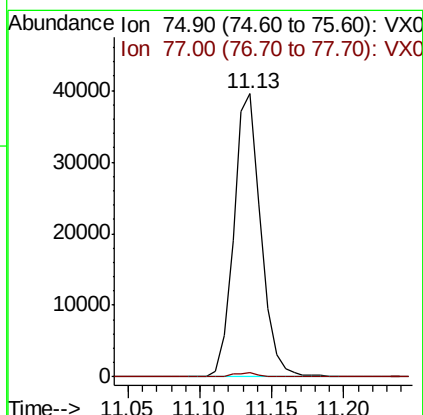
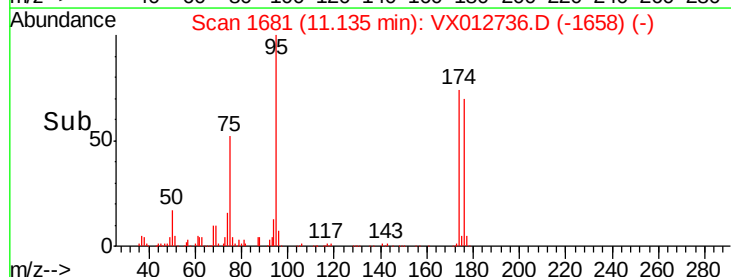
75 100

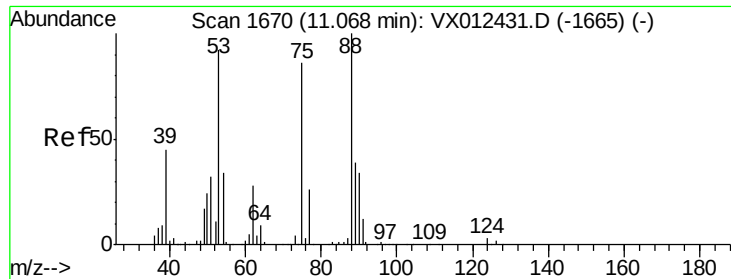
77 1.4 19.7 59.0#



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: 68.932 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012736.D

Acq: 01 Oct 2019 16:25

Instrument :

MSVOA_X

ClientSampleId :

SA-DUP05-20190926

Tot Ion: 75 Resp: 51753

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

