

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100219\
 Data File : VX012771.D
 Acq On : 02 Oct 2019 19:57
 Operator : JC/SP
 Sample : K5157-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 03 01:34:44 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	162704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283282	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85132	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	114754	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	5.49	113	86210	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	8.71	98	330207	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	11.14	95	104394	40.86	ug/l	0.00
Spiked Amount			Recovery	=	81.72%	

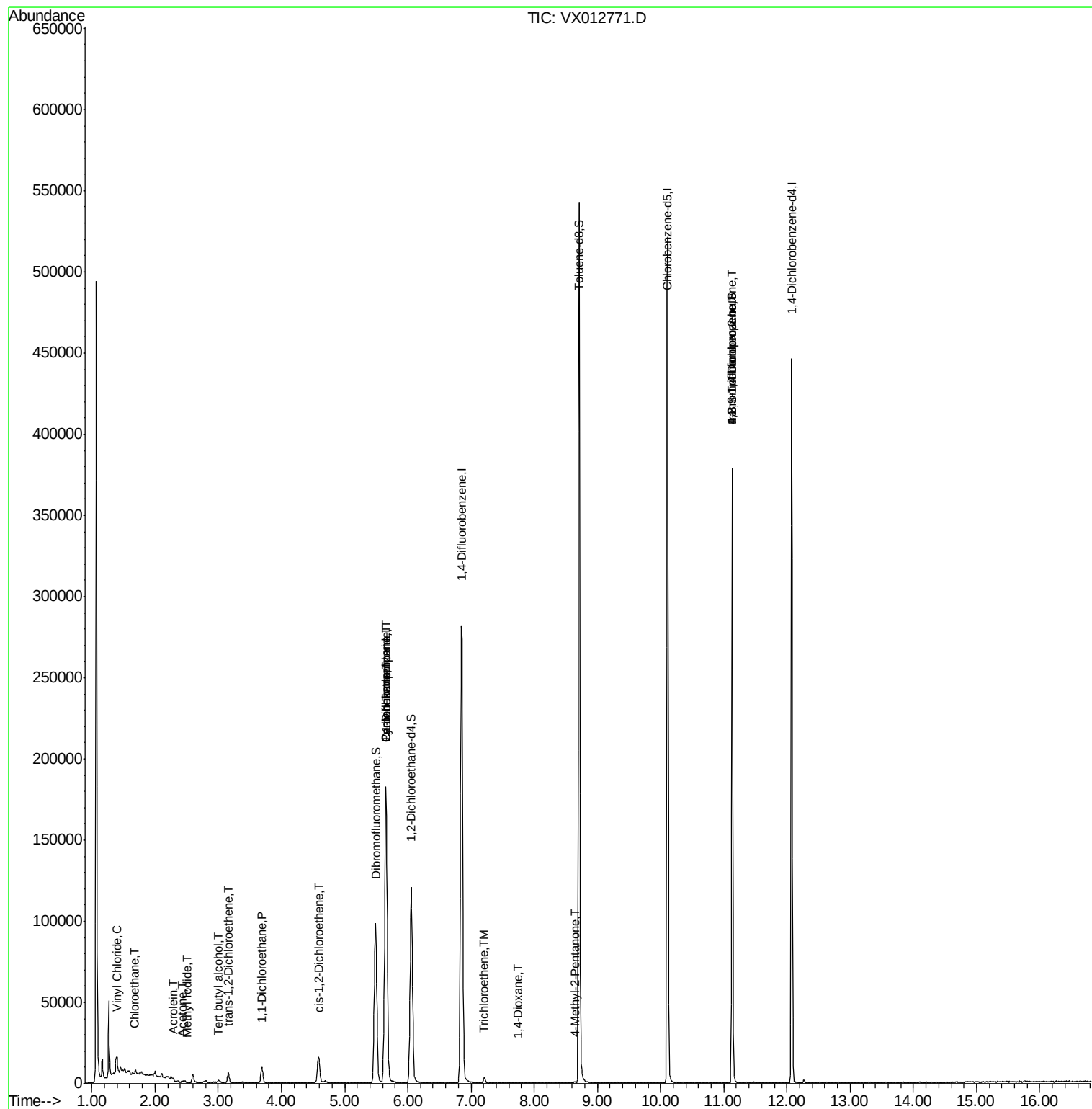
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2736	1.310	ug/l #	66
6) Chloroethane	1.66	64	679	0.482	ug/l #	45
10) Methyl Iodide	2.50	142	45	4.975	ug/l #	35
11) Tert butyl alcohol	3.00	59	1387	2.343	ug/l #	72
13) Acrolein	2.29	56	153	10.678	ug/l #	15
16) Acetone	2.44	43	1051	0.837	ug/l #	76
21) trans-1,2-Dichloroethene	3.16	96	2771	1.430	ug/l #	82
24) 1,1-Dichloroethane	3.69	63	10124	2.777	ug/l #	90
27) cis-1,2-Dichloroethene	4.59	96	9731	4.327	ug/l #	87
31) Cyclohexane	5.65	56	3718	1.127	ug/l #	7
36) 1,1-Dichloropropene	5.65	75	13983	5.121	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17997	6.488	ug/l #	16
44) Trichloroethene	7.21	130	1391	0.677	ug/l #	71
49) 1,4-Dioxane	7.75	88	25	0.431	ug/l #	54
51) 4-Methyl-2-Pentanone	8.65	43	851	0.258	ug/l #	82
76) 1,2,3-Trichloropropane	11.14	75	53235	23.640	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	53235	67.745	ug/l #	8

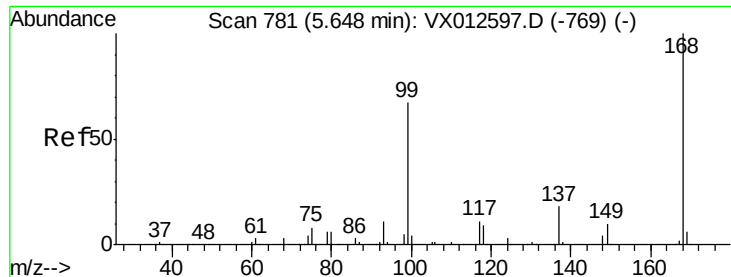
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

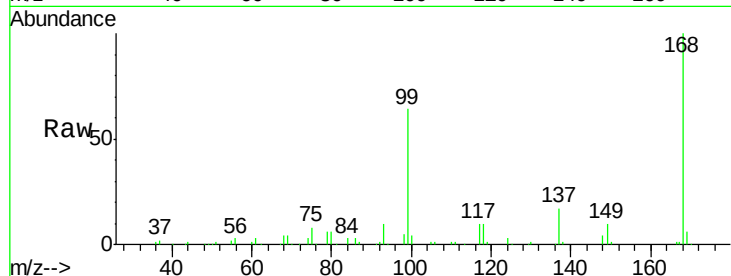
ClientSampleId :

Tot Ion:168 Resp: 162704

Ion Ratio Lower Upper

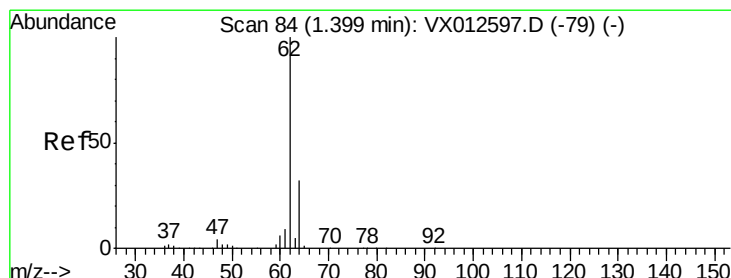
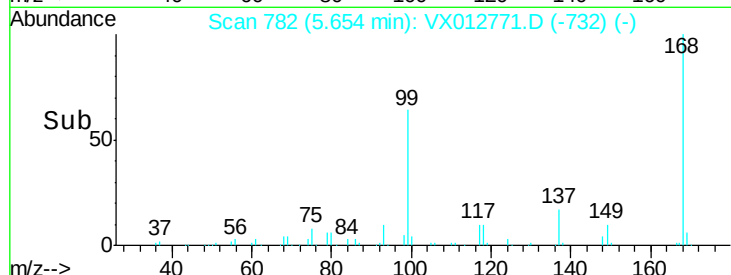
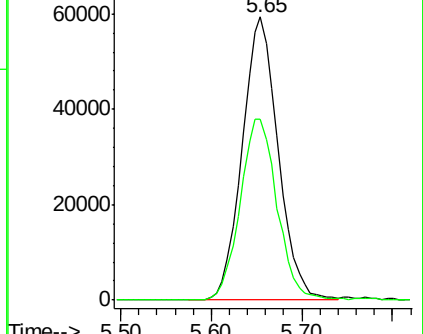
168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.310 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012771.D

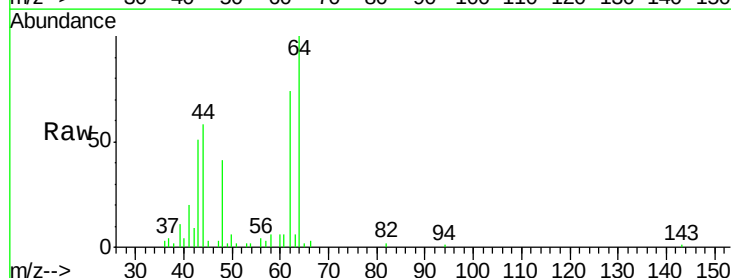
Acq: 02 Oct 2019 19:57

Tgt Ion: 62 Resp: 2736

Ion Ratio Lower Upper

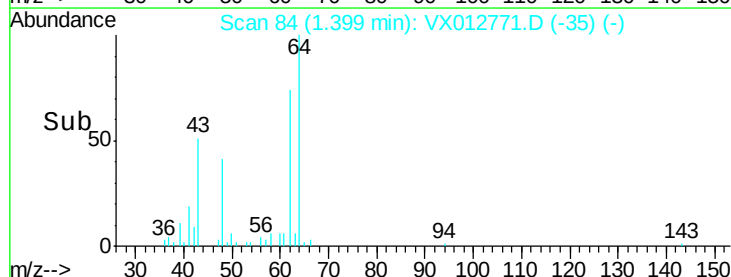
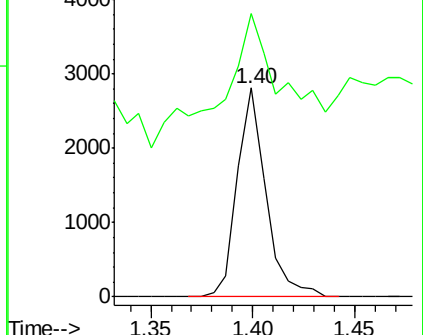
62 100

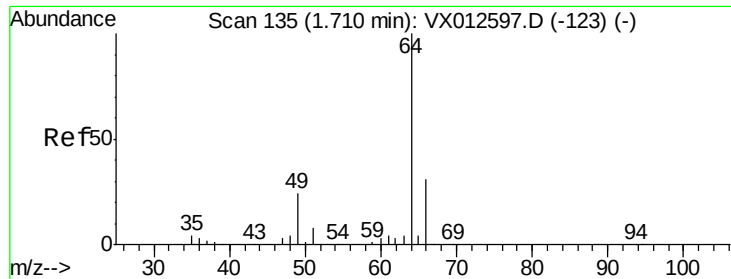
64 48.6 24.2 36.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 0.482 ug/l

RT: 1.66 min Scan# 127

Delta R.T. -0.05 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

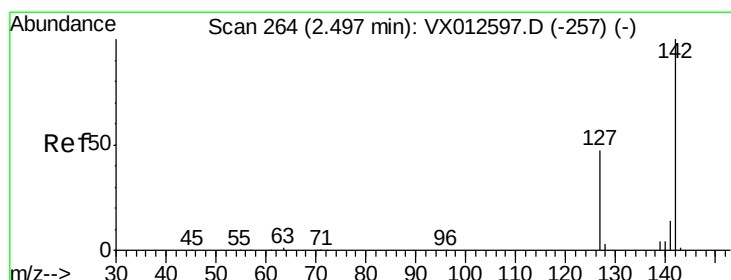
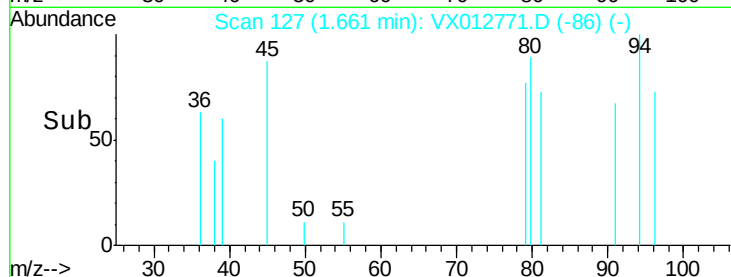
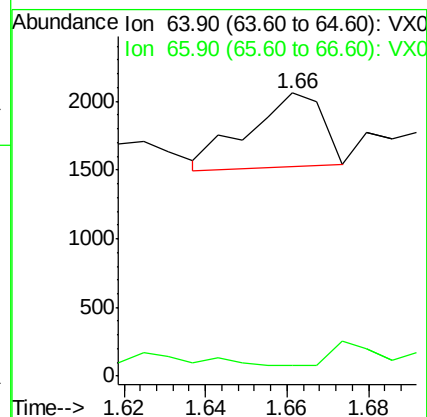
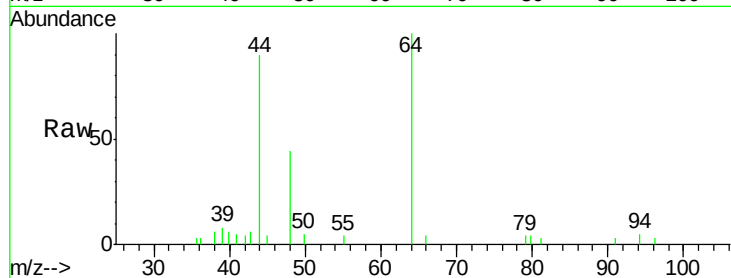
ClientSampleId :

Tot Ion: 64 Resp: 679

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 4.975 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

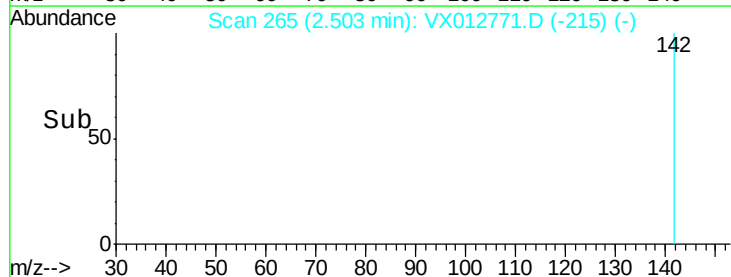
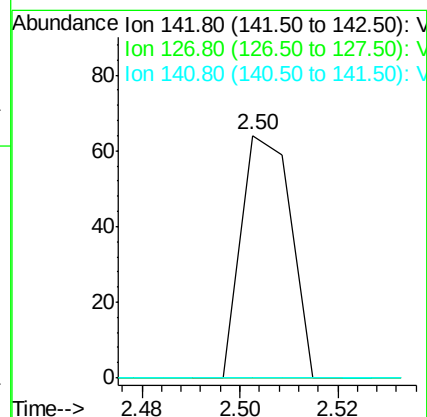
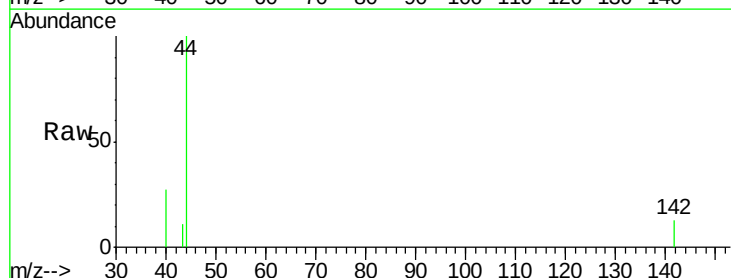
Tgt Ion: 142 Resp: 45

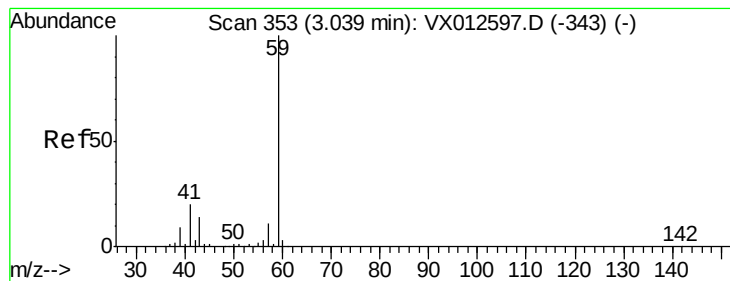
Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

141 0.0 12.1 18.1#



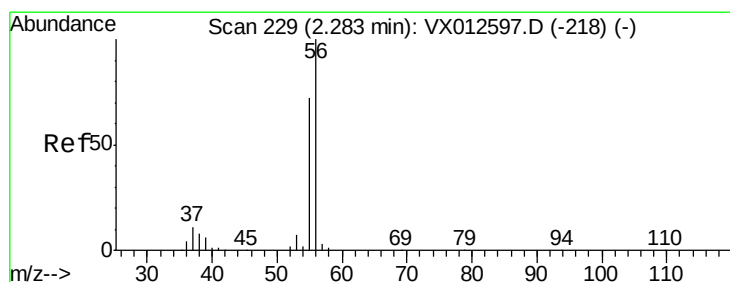
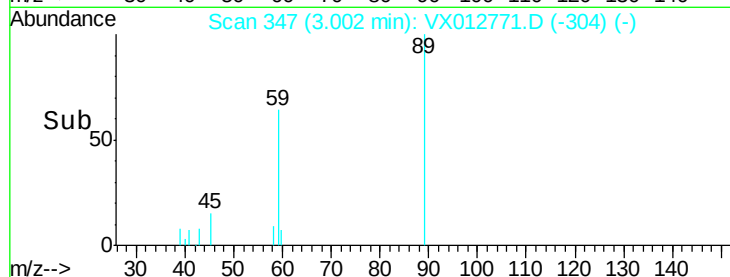
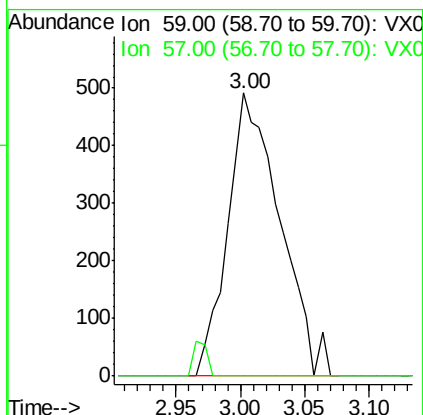
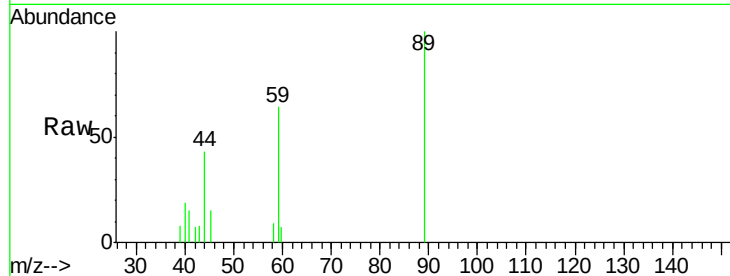


#11

Tert butyl alcohol
 Concen: 2.343 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.04 min
 Lab File: VX012771.D
 Acq: 02 Oct 2019 19:57

Instrument :
 MSVOA_X
 ClientSampled :

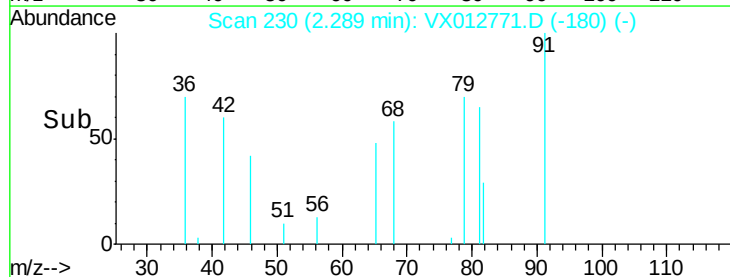
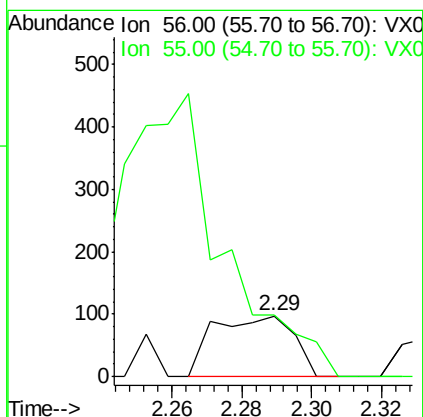
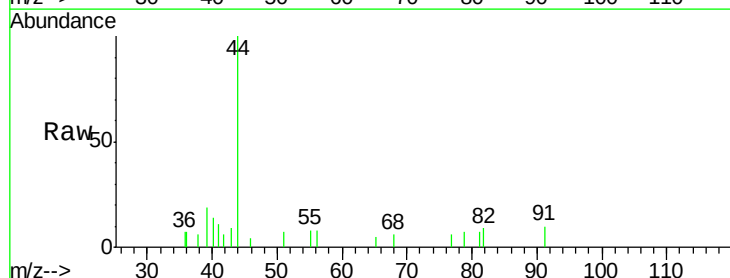
Tot Ion: 59 Resp: 1387
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

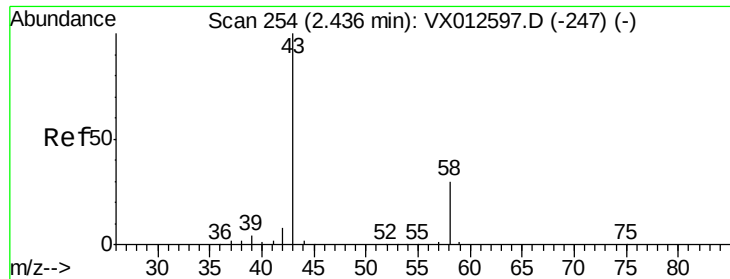


#13

Acrolein
 Concen: 10.678 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012771.D
 Acq: 02 Oct 2019 19:57

Tgt Ion: 56 Resp: 153
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#





#16

Acetone

Concen: 0.837 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

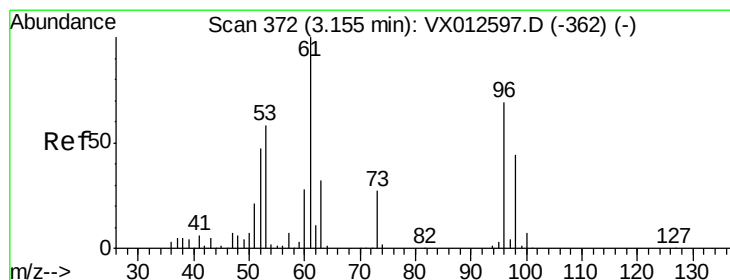
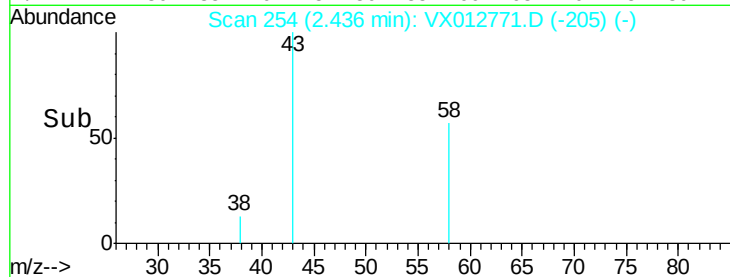
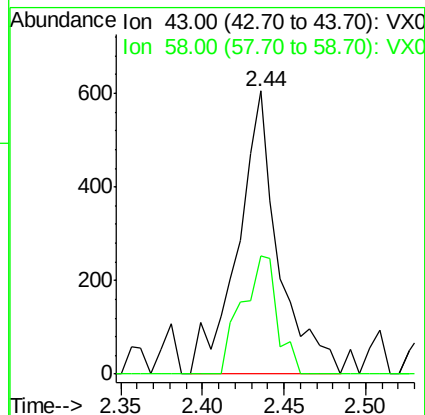
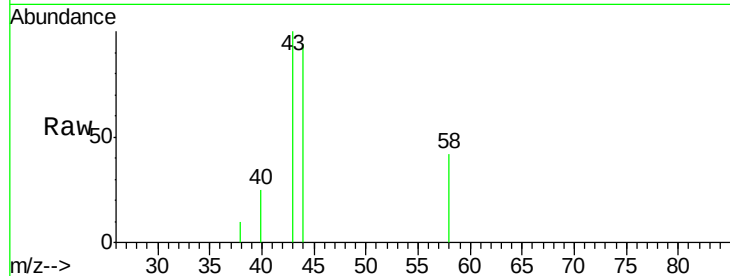
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1051

Ion Ratio Lower Upper

43 100

58 41.8 23.3 34.9#



#21

trans-1,2-Dichloroethene

Concen: 1.430 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

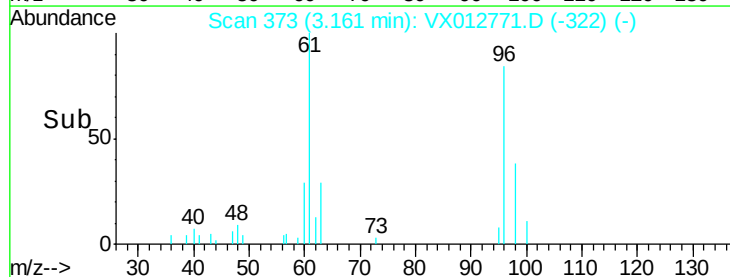
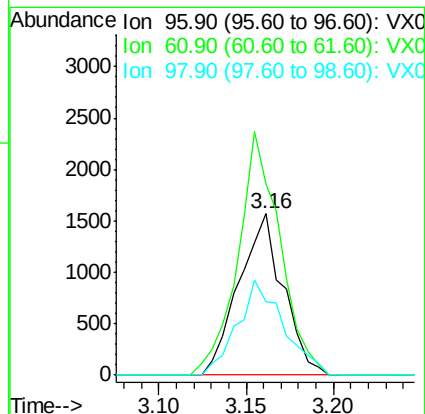
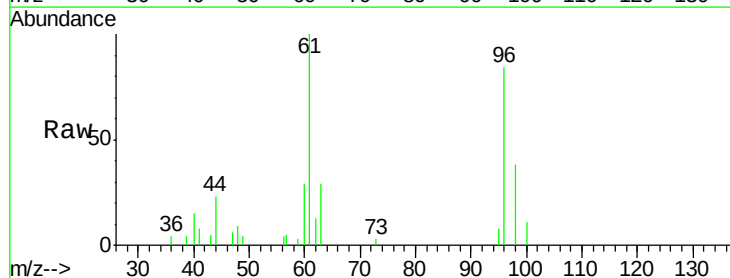
Tgt Ion: 96 Resp: 2771

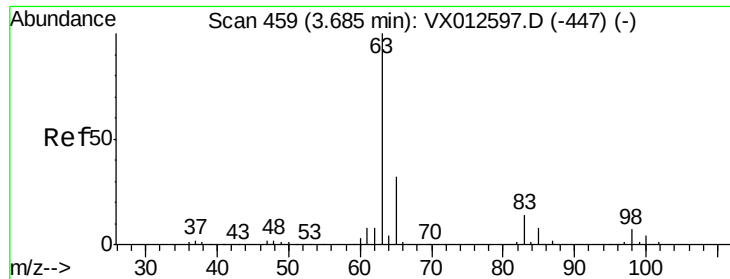
Ion Ratio Lower Upper

96 100

61 118.9 112.0 168.0

98 45.7 47.8 71.8#





#24

1,1-Dichloroethane

Concen: 2.777 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

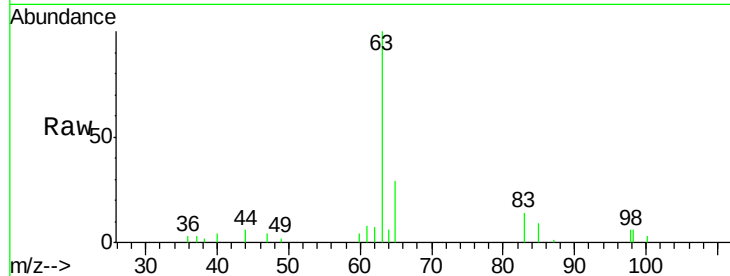
Tot Ion: 63 Resp: 10124

Ion Ratio Lower Upper

63 100

98 12.5 3.9 11.7#

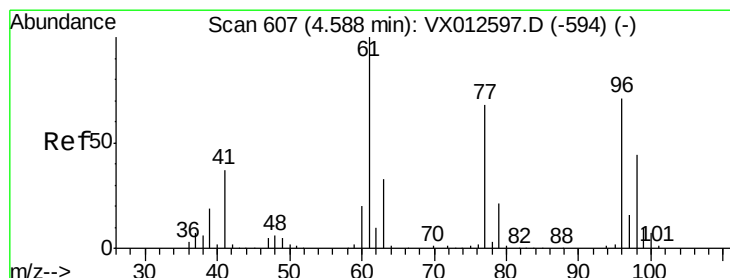
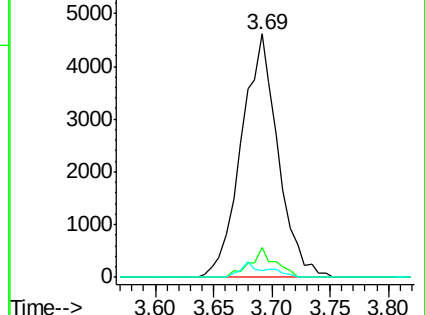
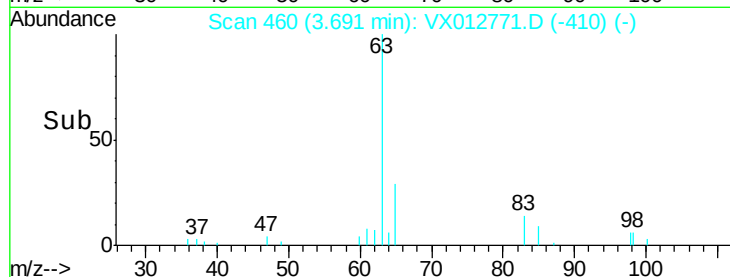
100 3.0 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.327 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

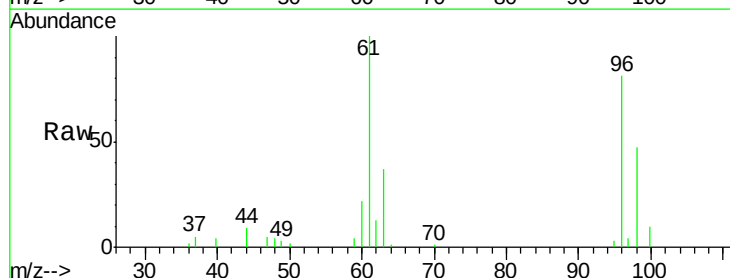
Tgt Ion: 96 Resp: 9731

Ion Ratio Lower Upper

96 100

61 135.2 0.0 319.4

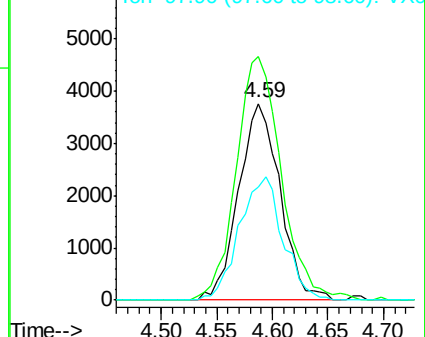
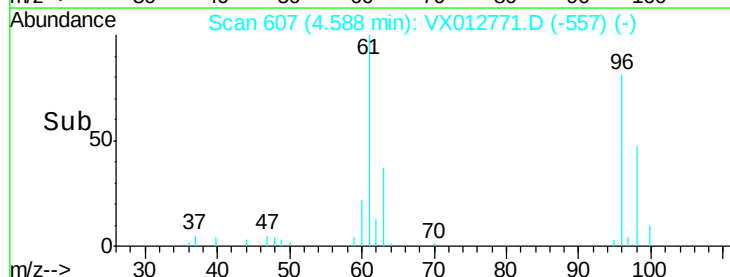
98 65.7 0.0 130.6

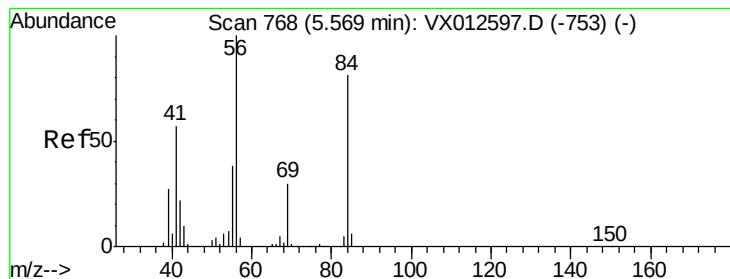


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

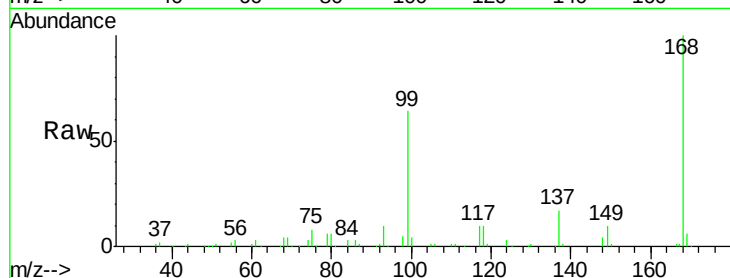
Tot Ion: 56 Resp: 3718

Ion Ratio Lower Upper

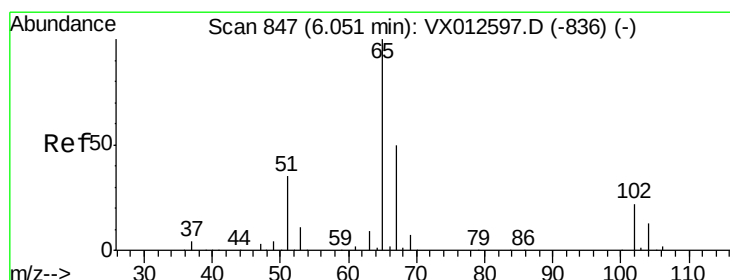
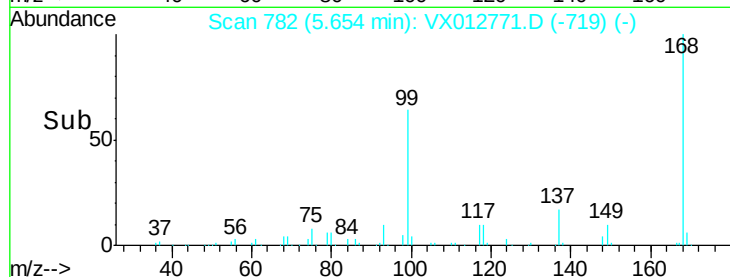
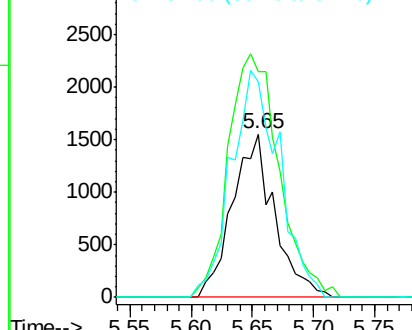
56 100

69 138.7 25.0 37.6#

84 131.8 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: 48.434 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012771.D

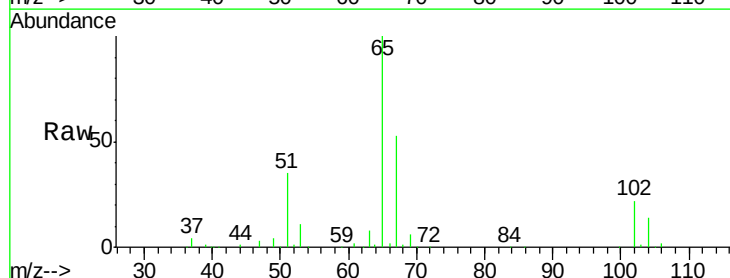
Acq: 02 Oct 2019 19:57

Tgt Ion: 65 Resp: 114754

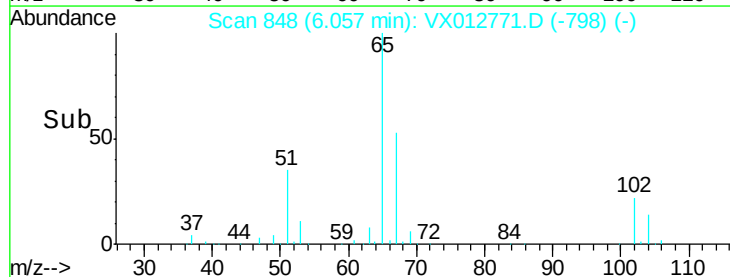
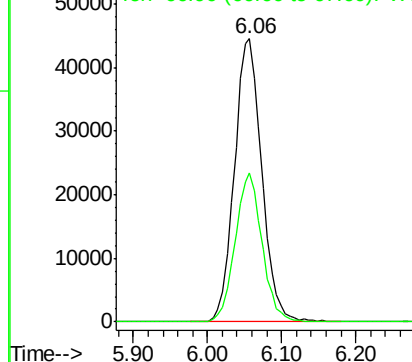
Ion Ratio Lower Upper

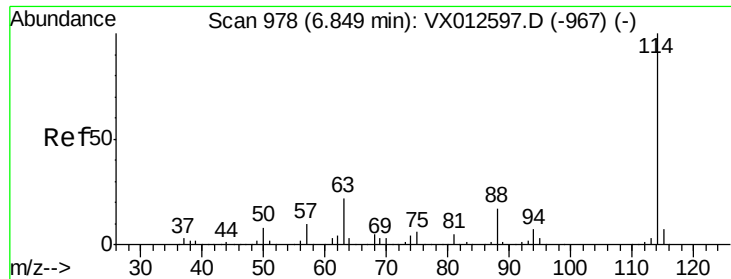
65 100

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

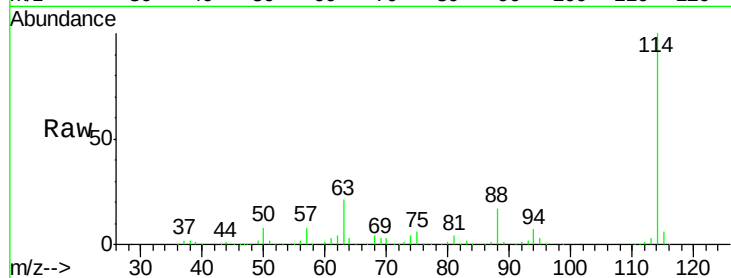




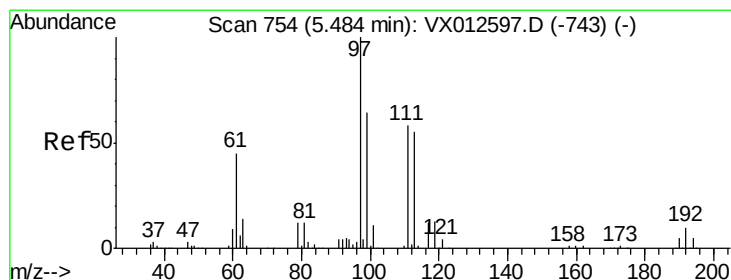
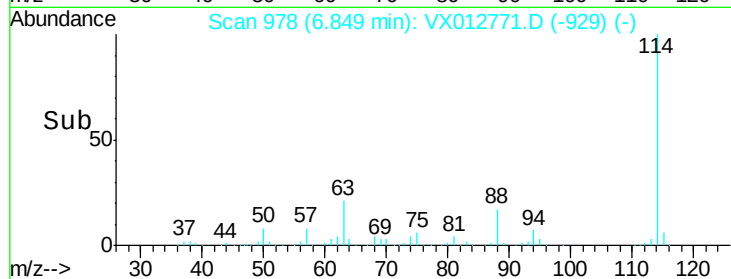
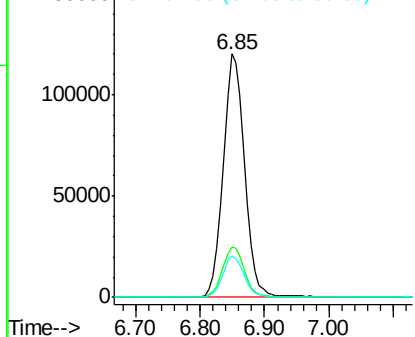
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012771.D
Acq: 02 Oct 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 283282
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 17.2 0.0 33.2

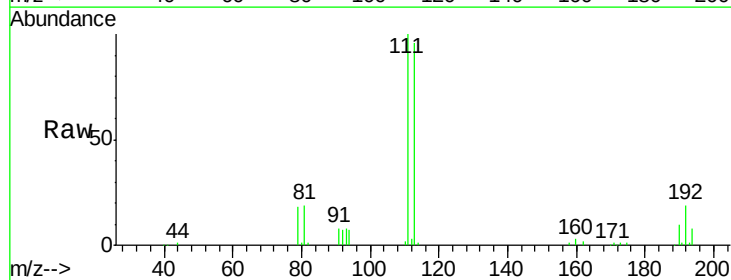


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

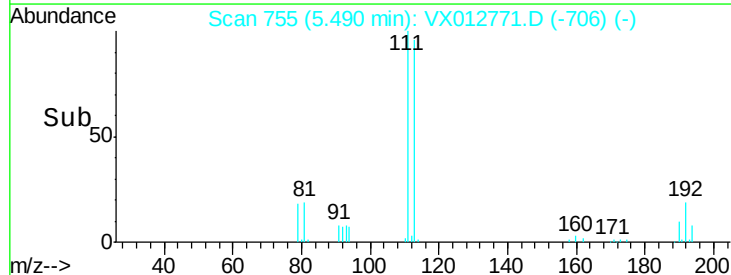
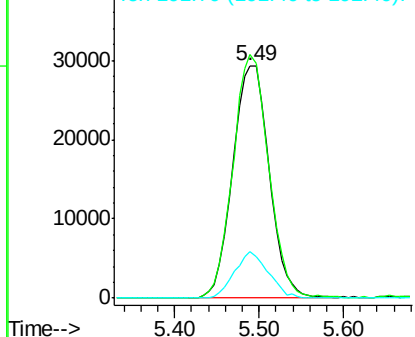


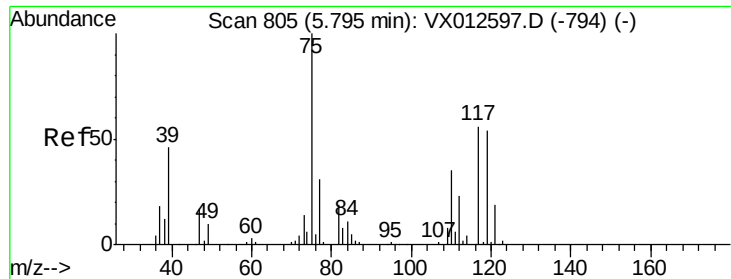
#35
Dibromofluoromethane
Concen: 51.101 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012771.D
Acq: 02 Oct 2019 19:57

Tgt Ion:113 Resp: 86210
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.2
192 18.6 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

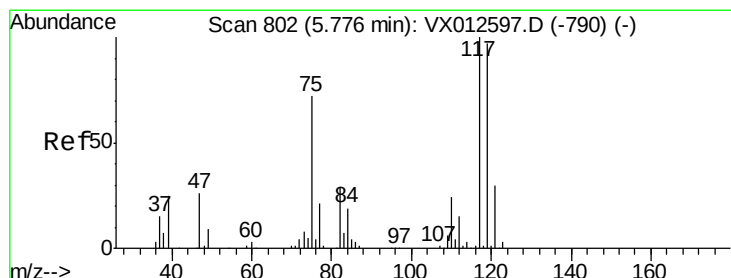
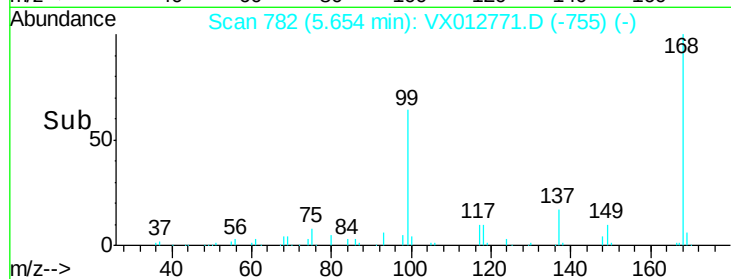
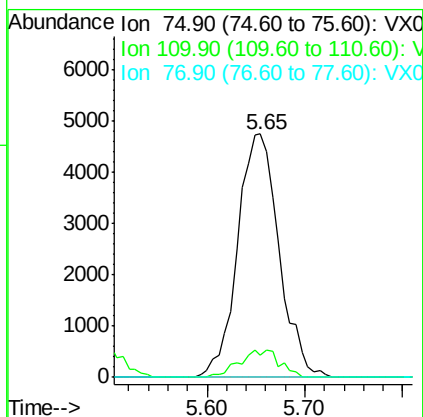
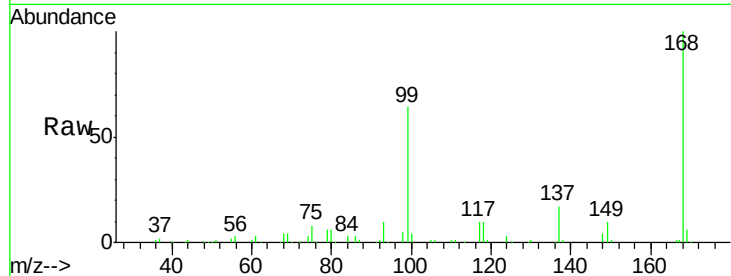




#36
 1,1-Dichloropropene
 Concen: 5.121 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012771.D
 Acq: 02 Oct 2019 19:57

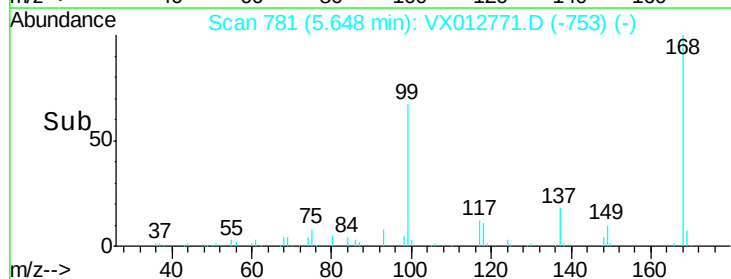
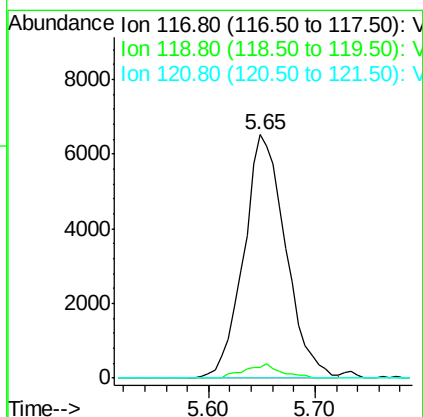
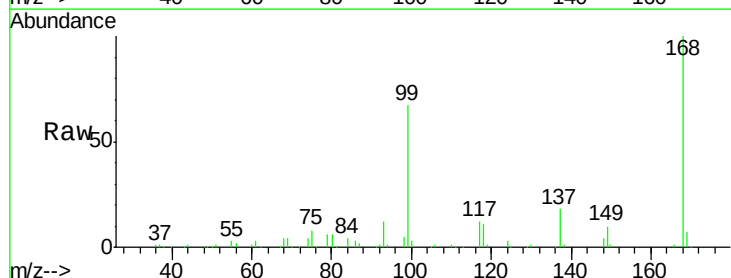
Instrument :
 MSVOA_X
 ClientSampleId :

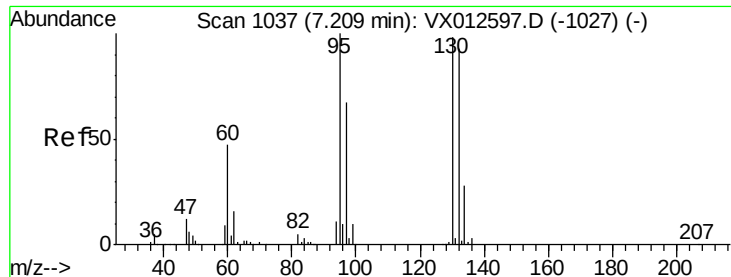
Tot Ion	75	Resp	13983
Ion Ratio	Lower	Upper	
75	100		
110	10.9	16.7	50.0#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.488 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012771.D
 Acq: 02 Oct 2019 19:57

Tgt Ion	117	Resp	17997
Ion Ratio	Lower	Upper	
117	100		
119	4.5	75.7	113.5#
121	0.0	24.2	36.4#





#44

Trichloroethene

Concen: 0.677 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

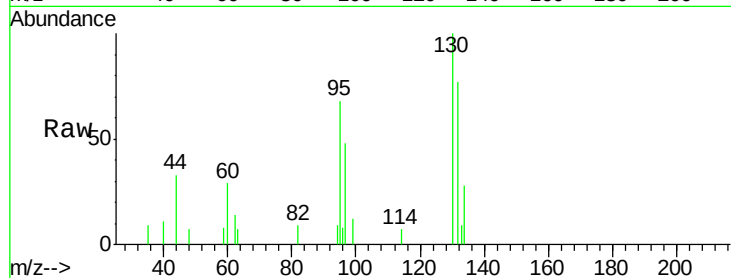
ClientSampled :

Tot Ion:130 Resp: 1391

Ion Ratio Lower Upper

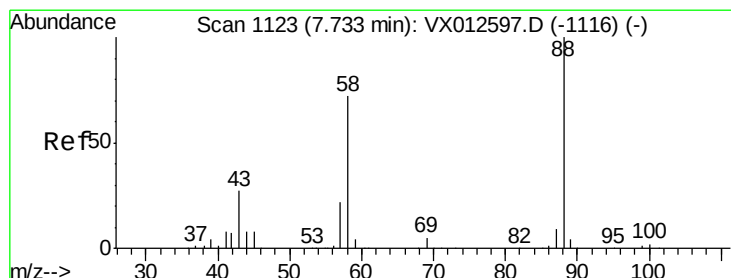
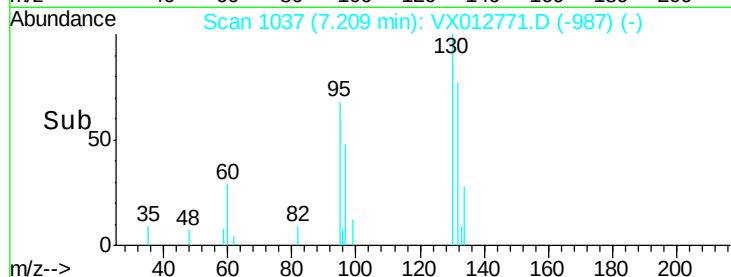
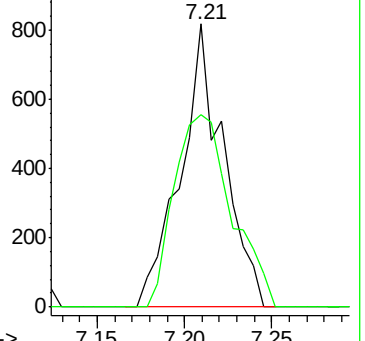
130 100

95 68.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.431 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

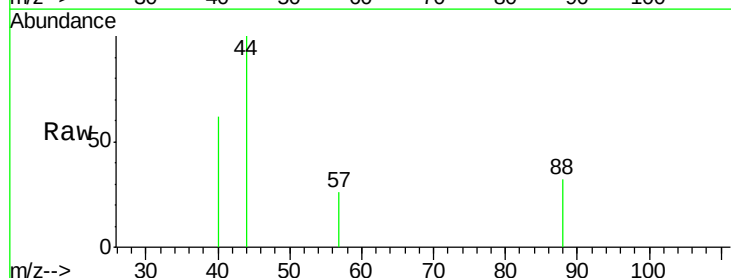
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 29.4 44.0#

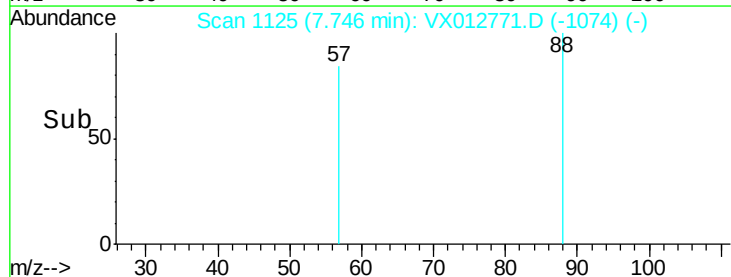
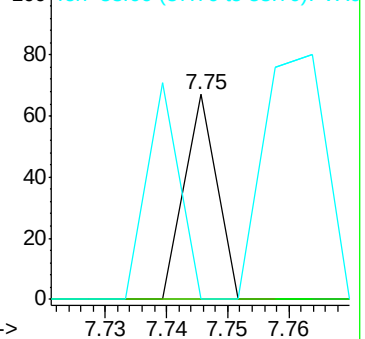
58 104.0 57.5 86.3#

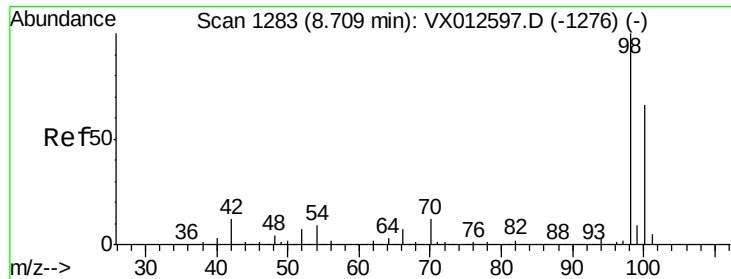


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

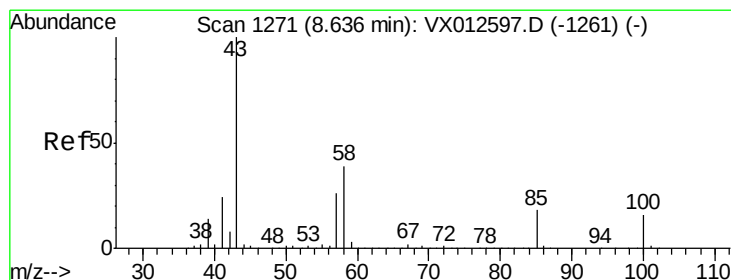
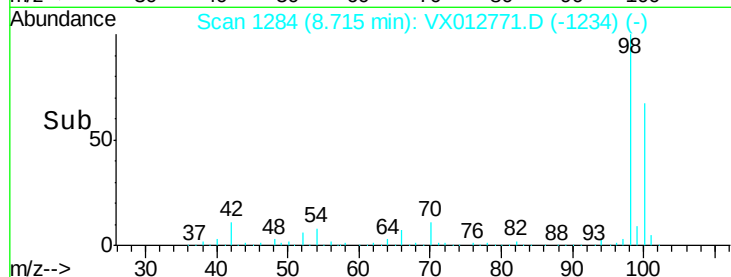
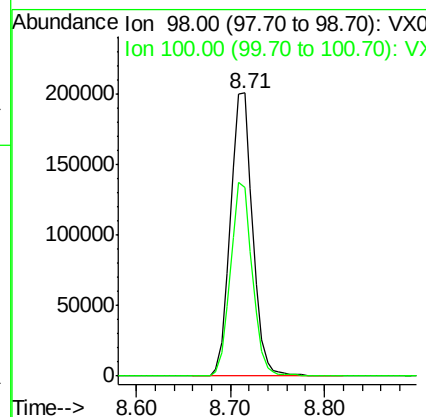
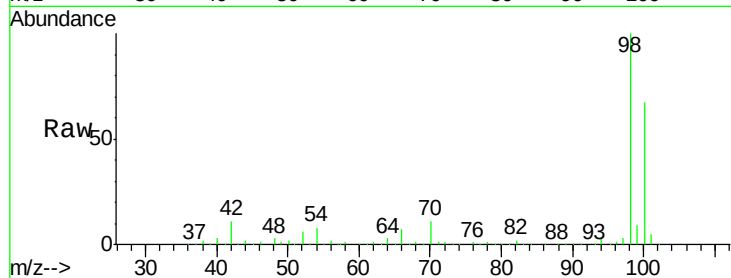




#50
Toluene-d8
Concen: 50.825 ug/l
RT: 8.71 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VX012771.D
Acq: 02 Oct 2019 19:57

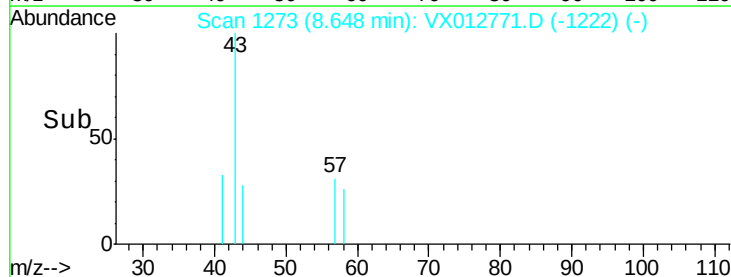
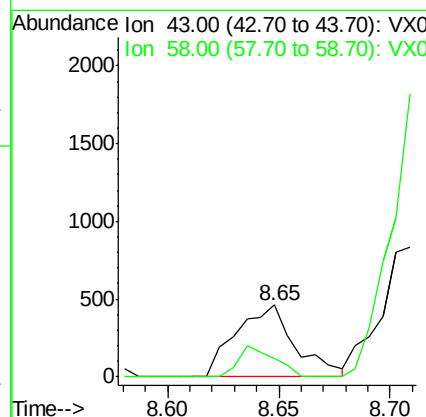
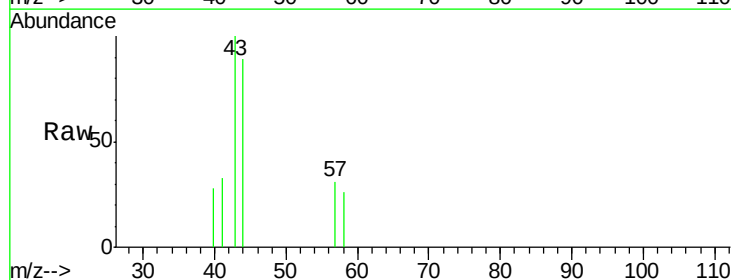
Instrument :
MSVOA_X
ClientSampled :

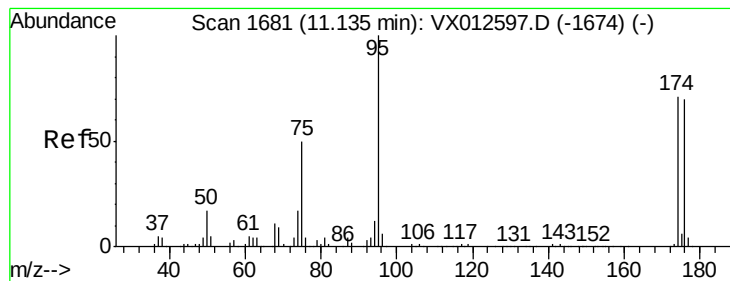
Tot Ion: 98 Resp: 330207
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.258 ug/l
RT: 8.65 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VX012771.D
Acq: 02 Oct 2019 19:57

Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 26.7 29.8 44.6#





#62

4-Bromofluorobenzene

Concen: 40.864 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

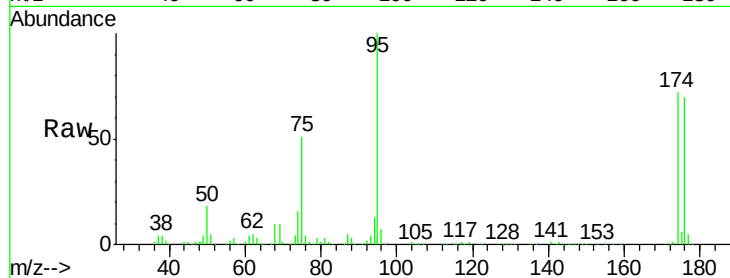
Tot Ion: 95 Resp: 104394

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.0

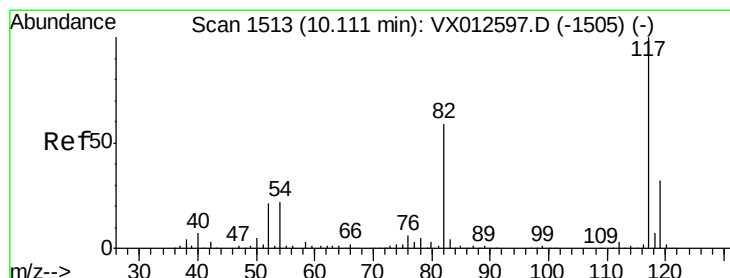
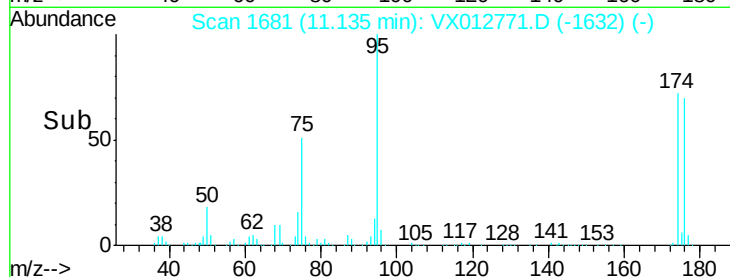
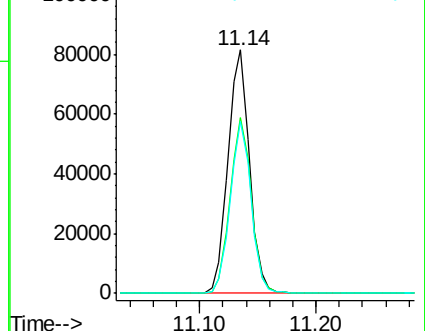
176 68.9 0.0 135.4



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: VX012771.D

Acq: 02 Oct 2019 19:57

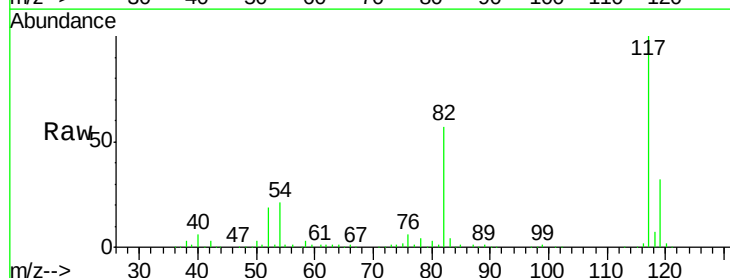
Tgt Ion: 117 Resp: 238689

Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

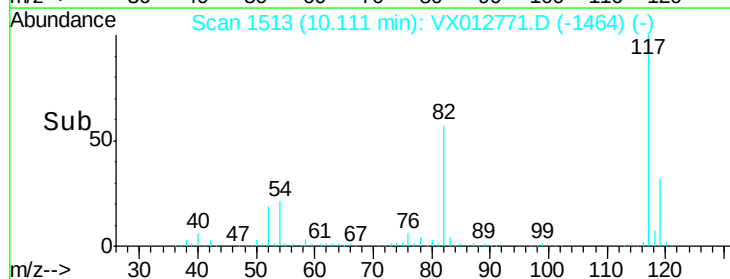
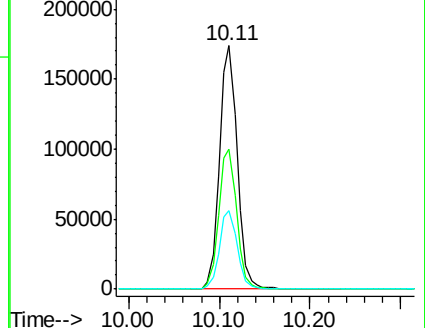
119 32.3 25.3 37.9

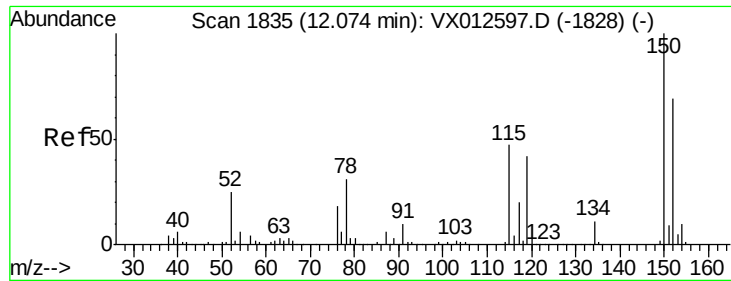


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

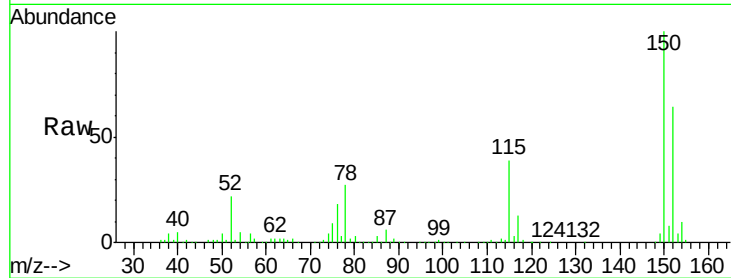
Tot Ion:152 Resp: 85132

Ion Ratio Lower Upper

152 100

115 64.0 44.1 132.3

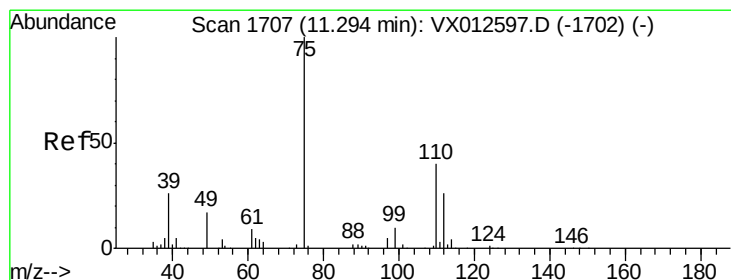
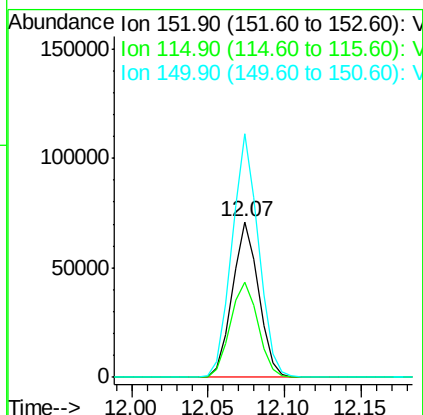
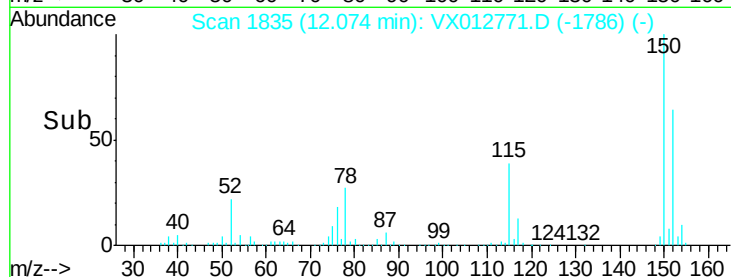
150 156.9 0.0 343.8



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: 23.640 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012771.D

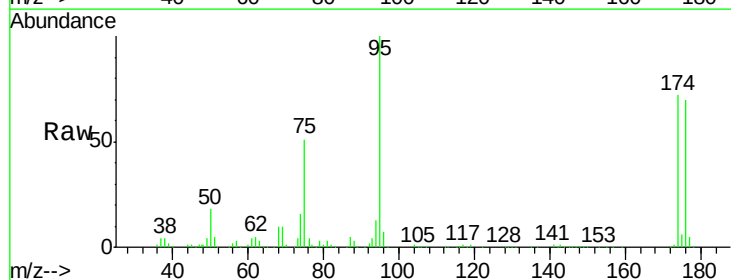
Acq: 02 Oct 2019 19:57

Tgt Ion: 75 Resp: 53235

Ion Ratio Lower Upper

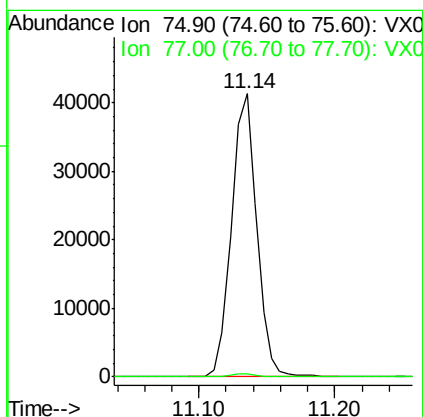
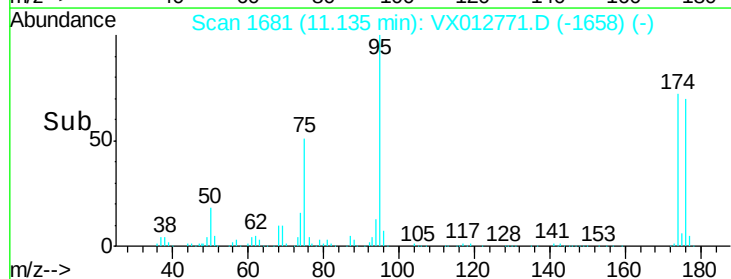
75 100

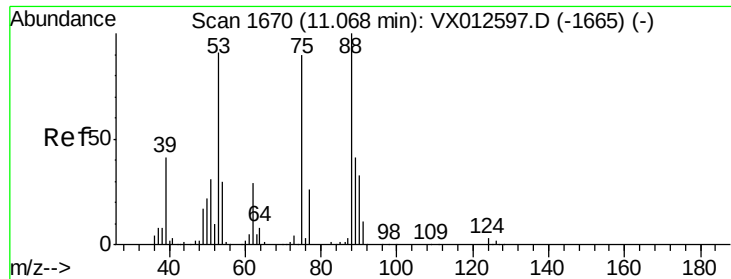
77 1.2 19.7 59.0#



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: 67.745 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012771.D

Acq: 02 Oct 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 53235

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.2 36.3 54.5#

