

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012871.D
 Acq On : 08 Oct 2019 05:13
 Operator : JC/SP
 Sample : K5122-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 11:18:04 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	183664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	313153	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107892	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	121416	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
35) Dibromofluoromethane	5.49	113	92173	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.71	98	368844	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	11.14	95	127910	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	

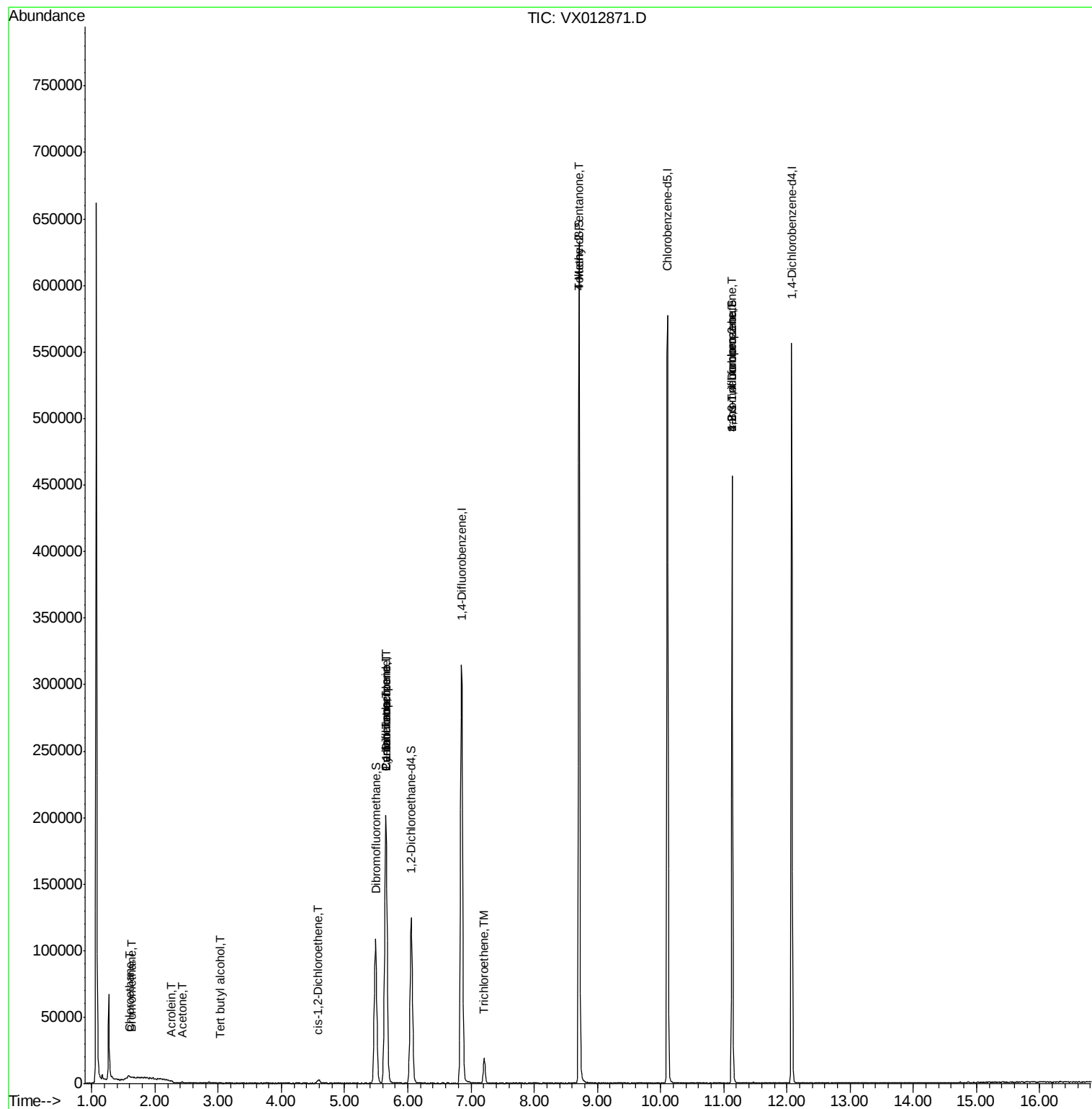
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	305	0.329	ug/l	87
6) Chloroethane	1.61	64	1863	1.172	ug/l #	55
11) Tert butyl alcohol	3.03	59	407	0.609	ug/l #	72
13) Acrolein	2.27	56	20	10.284	ug/l #	20
16) Acetone	2.42	43	783	0.553	ug/l #	46
27) cis-1,2-Dichloroethene	4.58	96	1908	0.752	ug/l	80
31) Cyclohexane	5.65	56	4137	1.111	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14695	4.868	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19314	6.299	ug/l #	16
44) Trichloroethene	7.21	130	7739	3.409	ug/l	95
51) 4-Methyl-2-Pentanone	8.71	43	1616	0.444	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	63011	22.078	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	63011	63.271	ug/l #	8

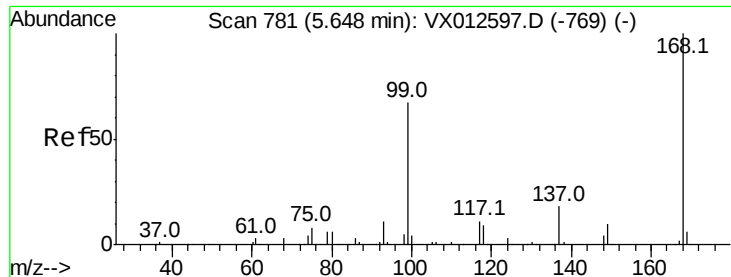
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX012871.D

Acq: 08 Oct 2019 05:13

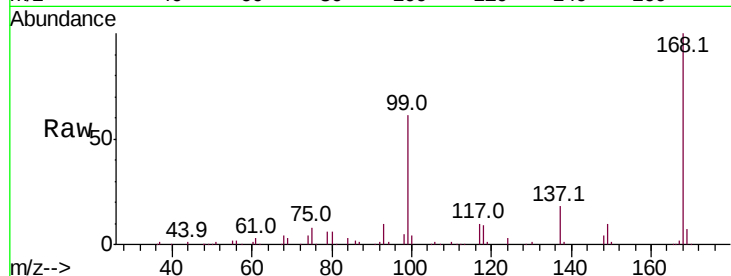
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 183664

Ion Ratio Lower Upper

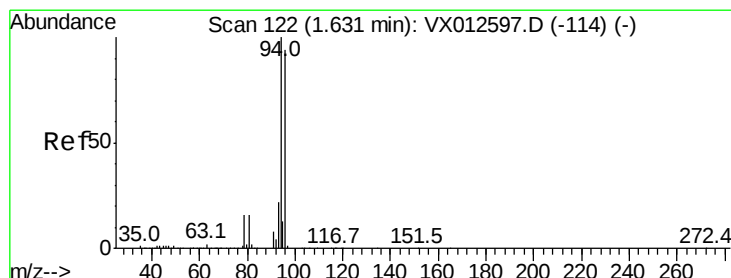
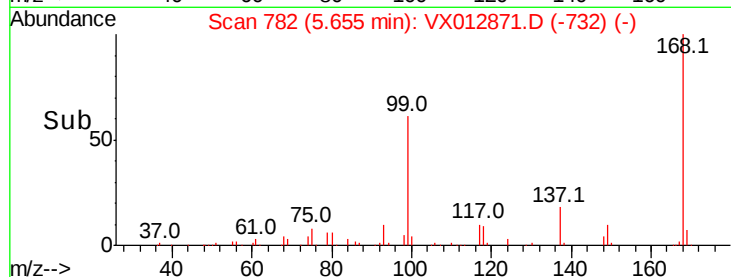
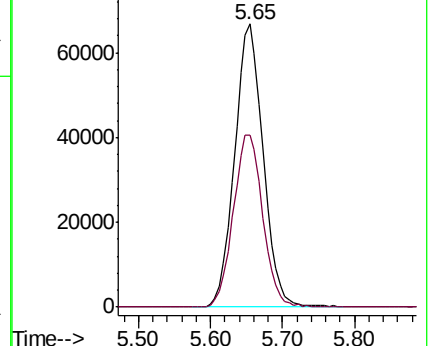
168 100

99 60.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012871.D

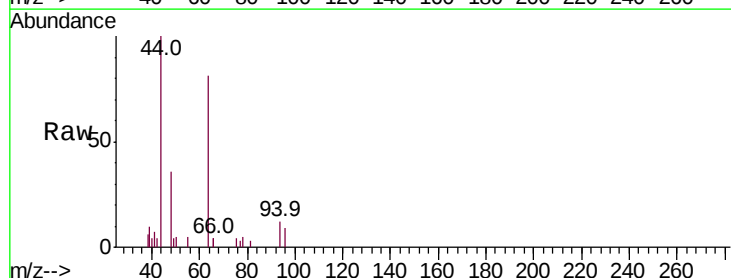
Acq: 08 Oct 2019 05:13

Tgt Ion: 94 Resp: 305

Ion Ratio Lower Upper

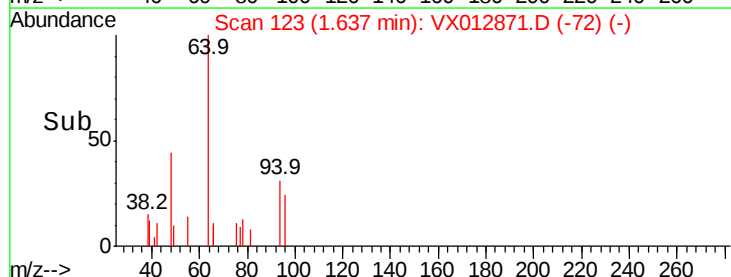
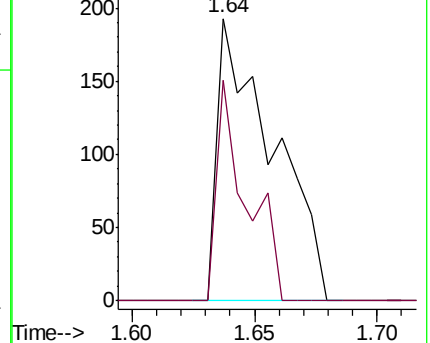
94 100

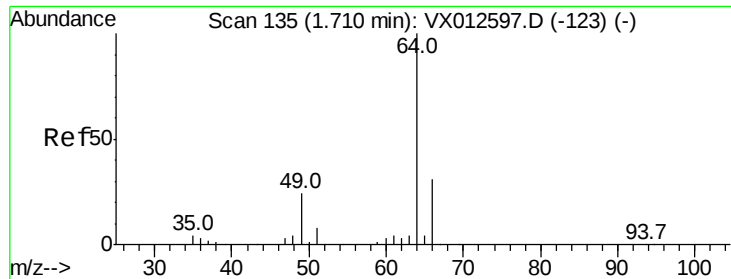
96 78.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.172 ug/l

RT: 1.61 min Scan# 118

Delta R.T. -0.10 min

Lab File: VX012871.D

Acq: 08 Oct 2019 05:13

Instrument :

MSVOA_X

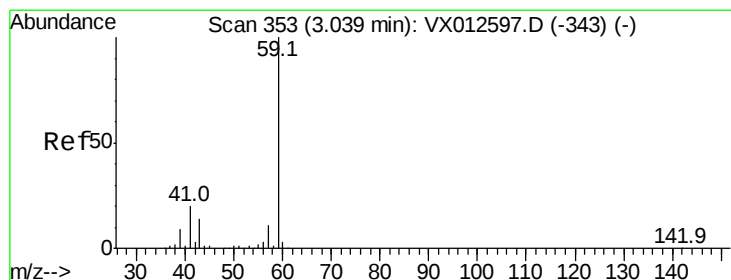
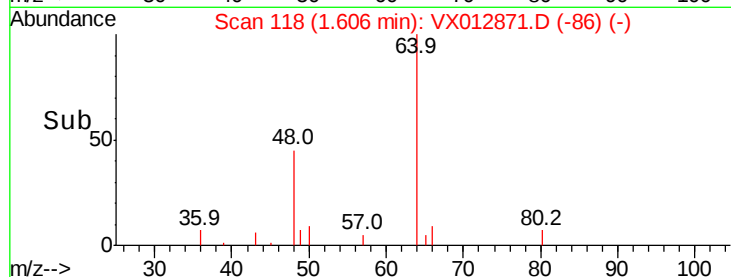
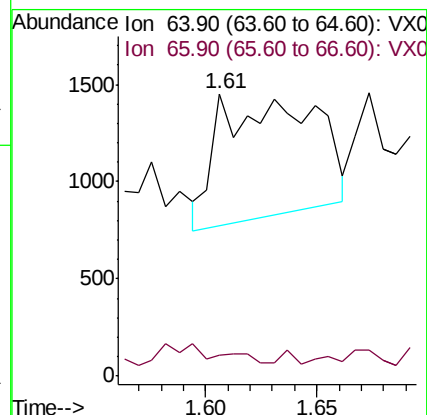
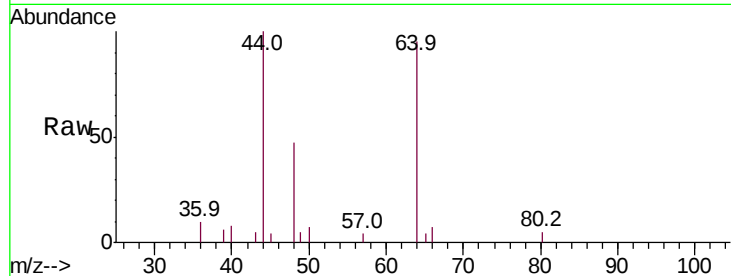
ClientSampleId :

Tot Ion: 64 Resp: 1863

Ion Ratio Lower Upper

64 100

66 5.7 24.0 36.0#



#11

Tert butyl alcohol

Concen: 0.609 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012871.D

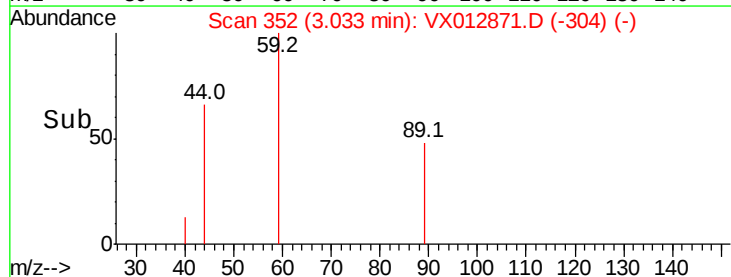
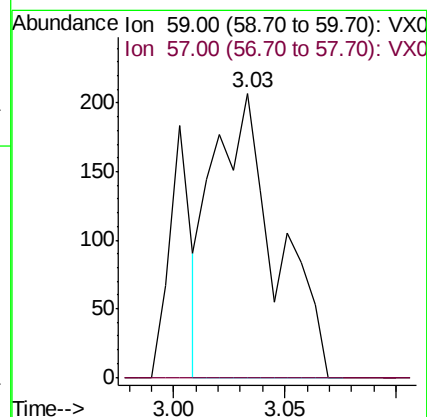
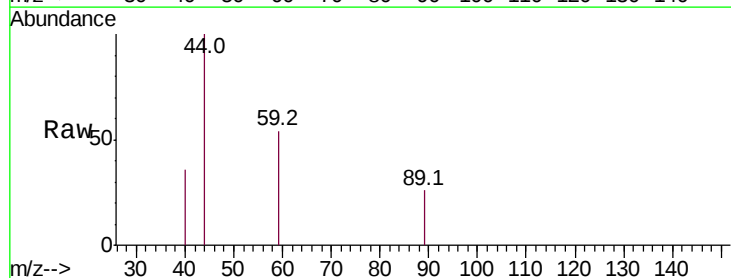
Acq: 08 Oct 2019 05:13

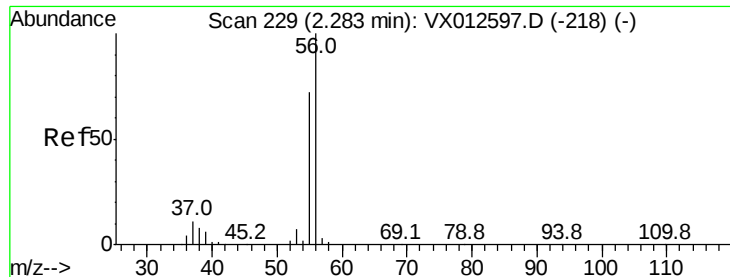
Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 10.284 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX012871.D

Acq: 08 Oct 2019 05:13

Instrument :

MSVOA_X

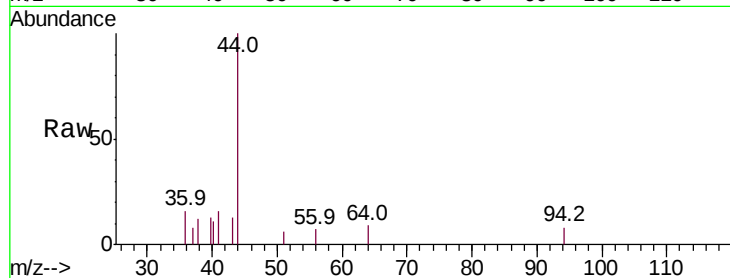
ClientSampled :

Tot Ion: 56 Resp: 20

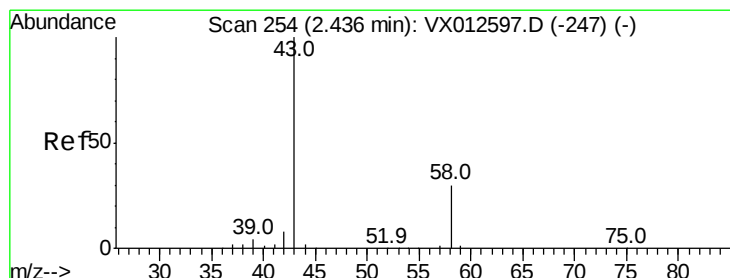
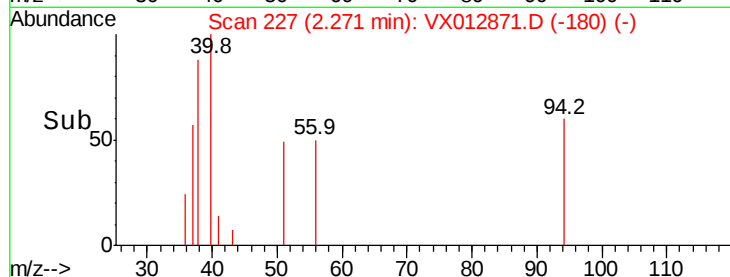
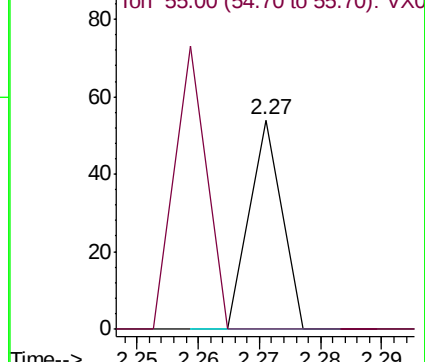
Ion Ratio Lower Upper

56 100

55 135.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0



#16

Acetone

Concen: 0.553 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012871.D

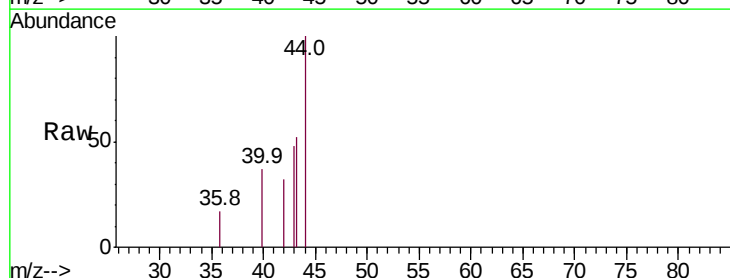
Acq: 08 Oct 2019 05:13

Tgt Ion: 43 Resp: 783

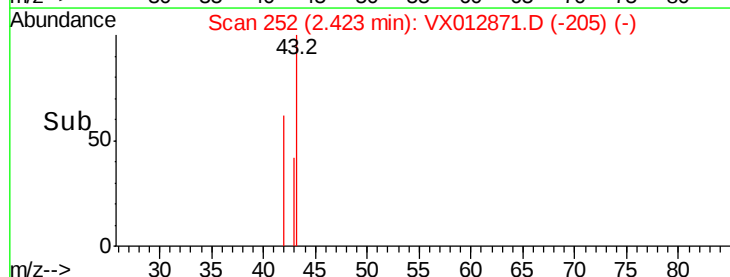
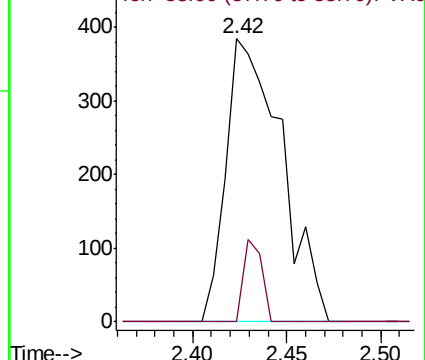
Ion Ratio Lower Upper

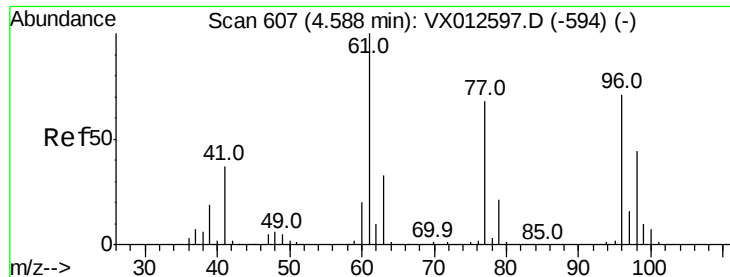
43 100

58 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0



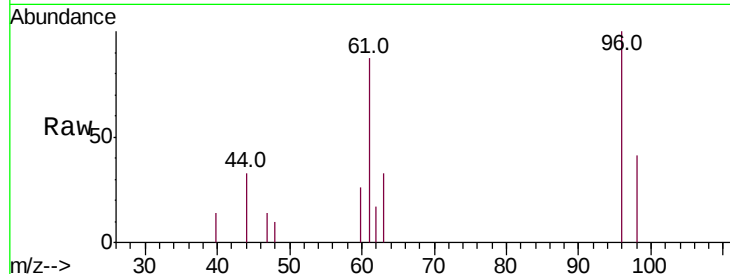


#27

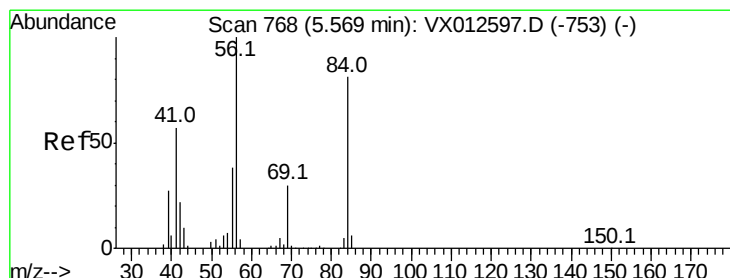
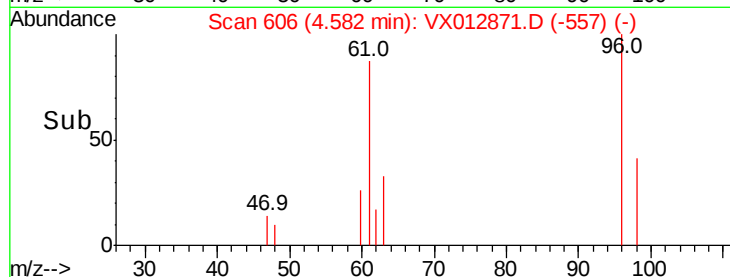
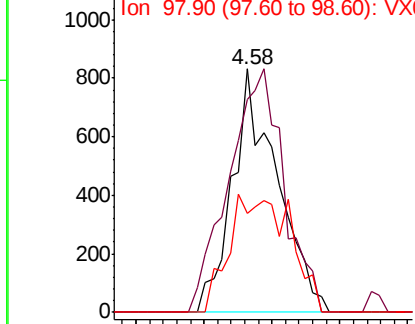
cis-1,2-Dichloroethene
 Concen: 0.752 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012871.D
 Acq: 08 Oct 2019 05:13

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 1908
 Ion Ratio Lower Upper
 96 100
 61 122.3 0.0 319.4
 98 66.0 0.0 130.6



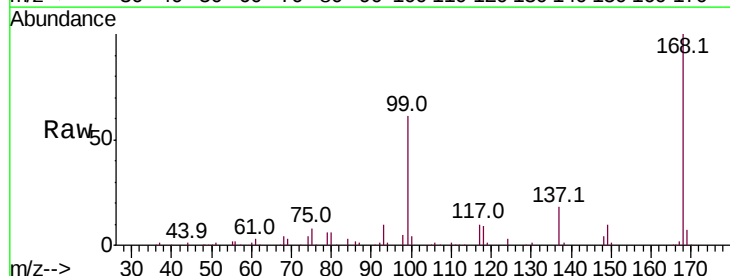
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



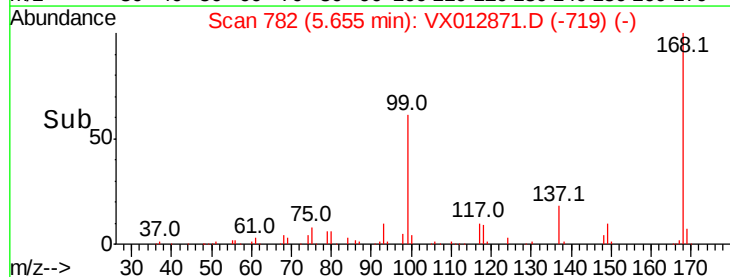
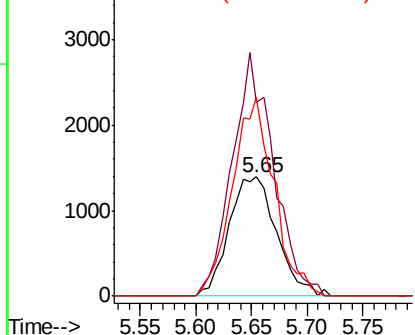
#31

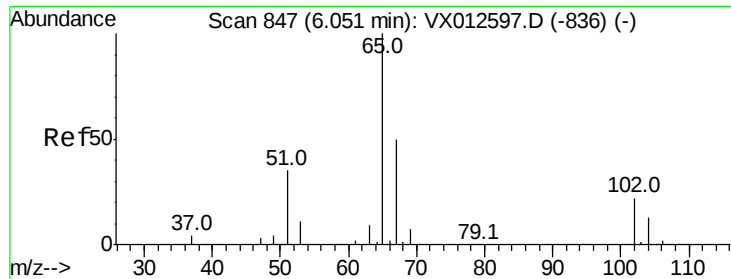
Cyclohexane
 Concen: 1.111 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012871.D
 Acq: 08 Oct 2019 05:13

Tgt Ion: 56 Resp: 4137
 Ion Ratio Lower Upper
 56 100
 69 162.0 25.0 37.6#
 84 166.4 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: 45.398 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012871.D

Acq: 08 Oct 2019 05:13

Instrument :

MSVOA_X

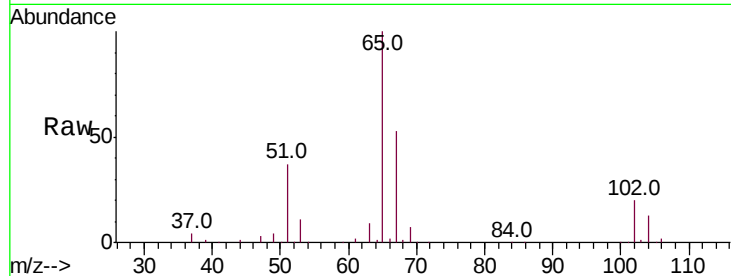
ClientSampled :

Tot Ion: 65 Resp: 121416

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

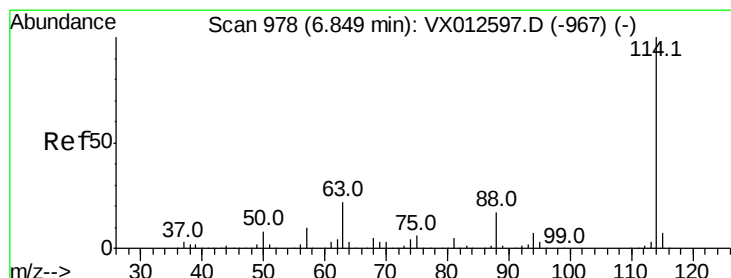
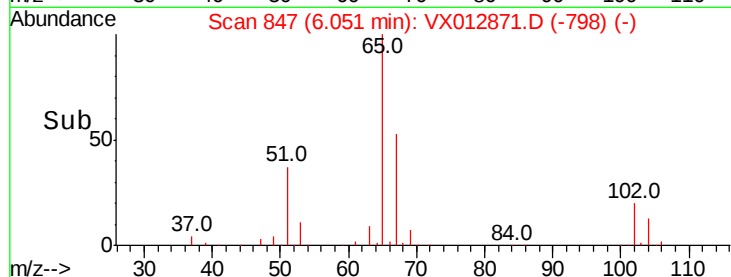
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012871.D

Acq: 08 Oct 2019 05:13

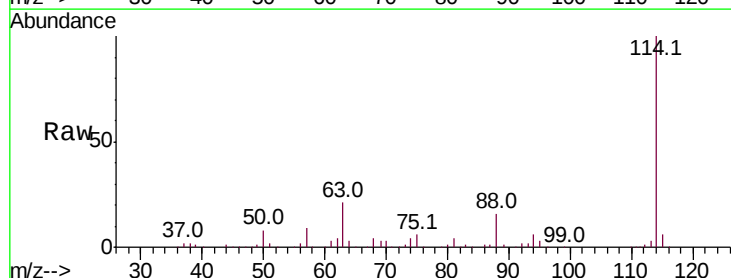
Tgt Ion:114 Resp: 313153

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 16.4 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

6.85

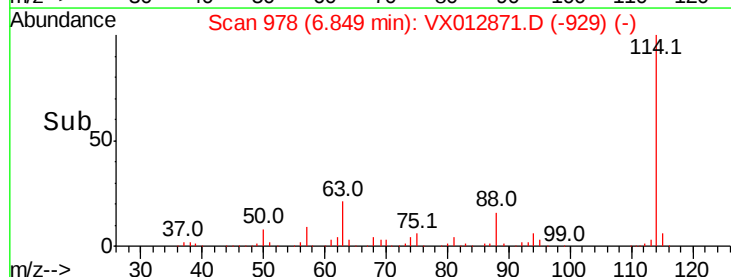
150000

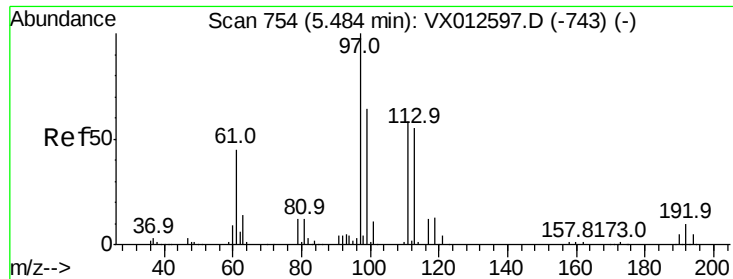
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

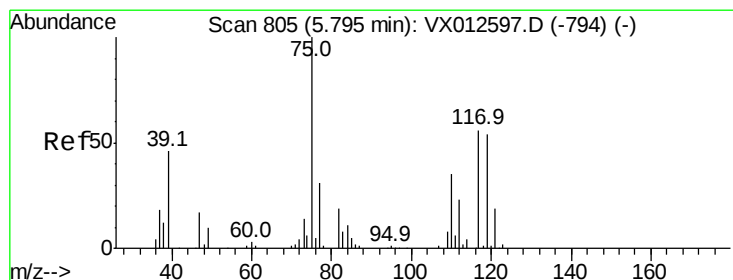
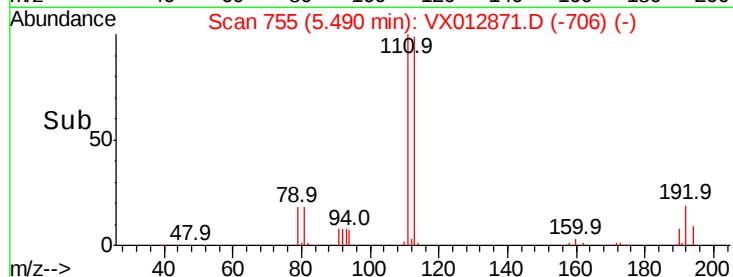
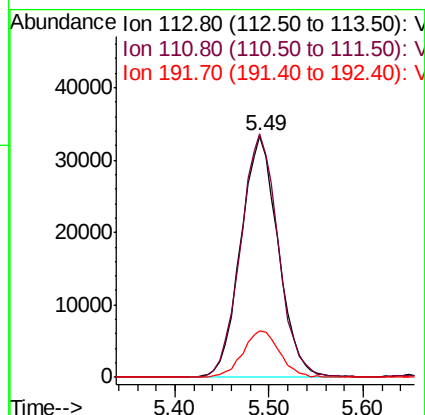
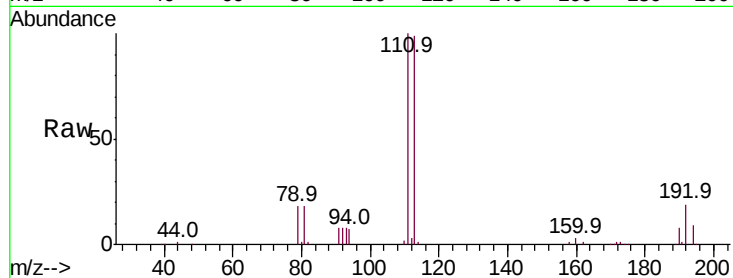




#35
 Dibromofluoromethane
 Concen: 49.424 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012871.D
 Acq: 08 Oct 2019 05:13

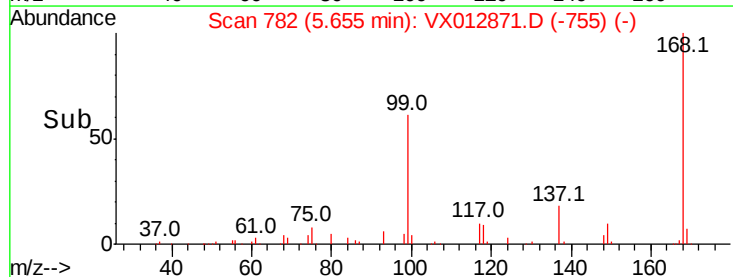
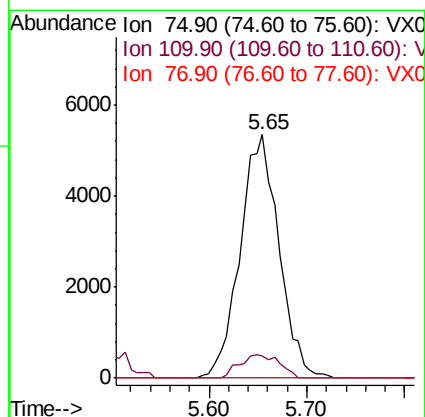
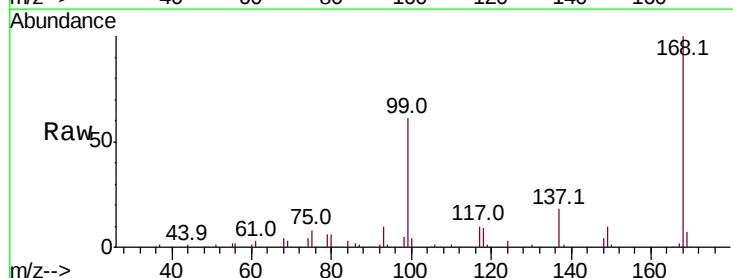
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 ClientSampleId :

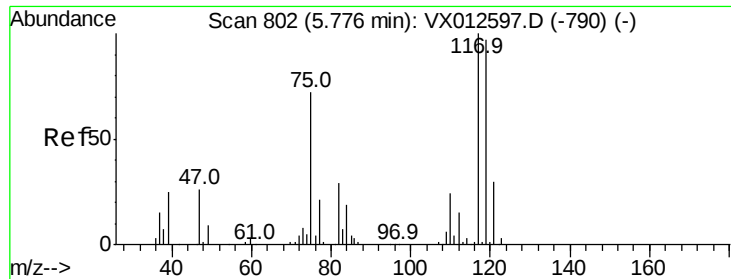
Tot Ion:113 Resp: 92173
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.4 125.2
 192 19.0 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.868 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012871.D
 Acq: 08 Oct 2019 05:13

Tgt Ion: 75 Resp: 14695
 Ion Ratio Lower Upper
 75 100
 110 10.0 16.7 50.0#
 77 0.0 24.2 36.2#

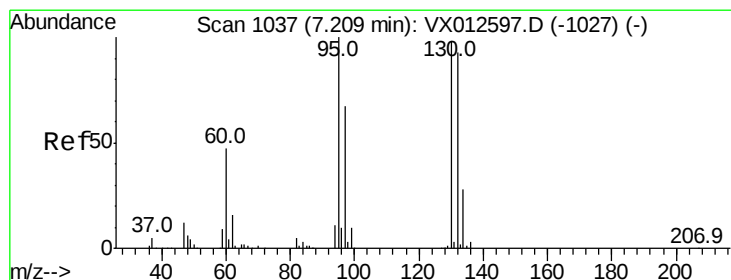
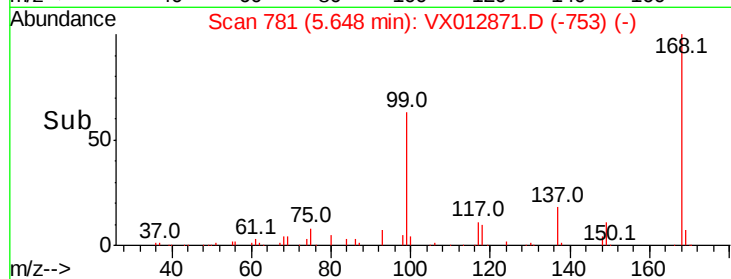
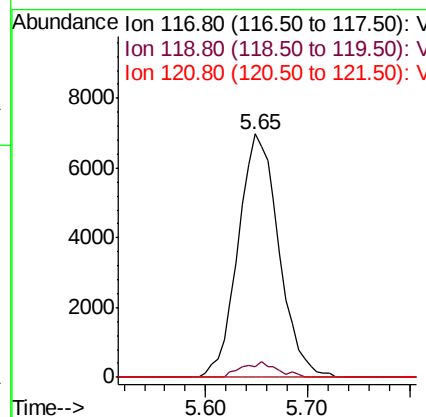
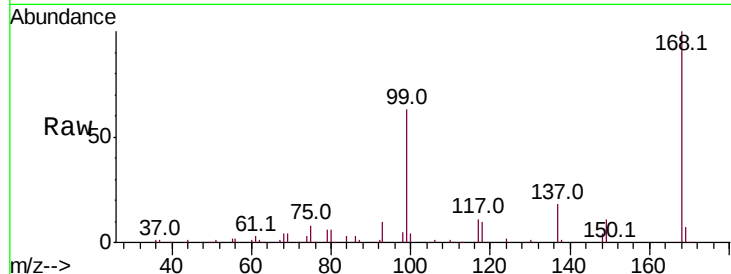




#38
Carbon Tetrachloride
Concen: 6.299 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

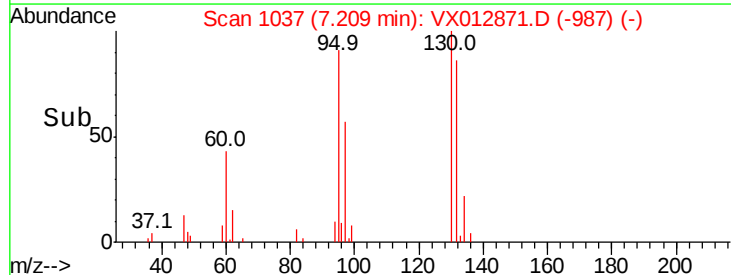
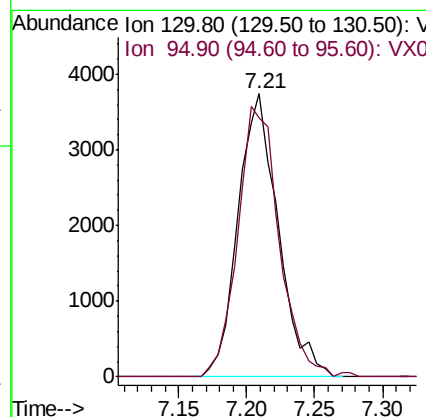
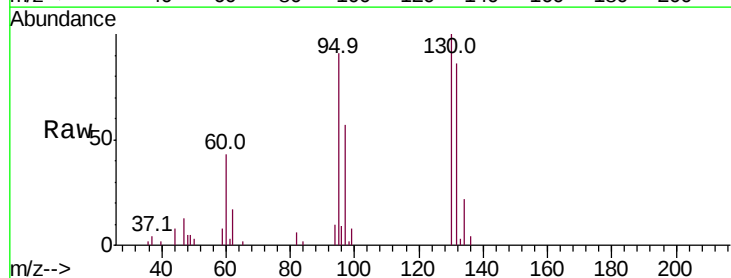
Instrument :
MSVOA_X
ClientSampleId :

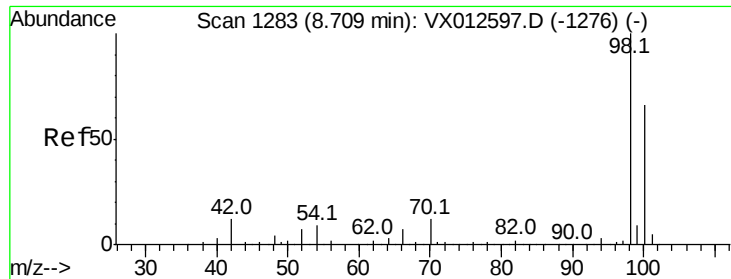
Tot Ion:117 Resp: 19314
Ion Ratio Lower Upper
117 100
119 4.3 75.7 113.5#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 3.409 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

Tgt Ion:130 Resp: 7739
Ion Ratio Lower Upper
130 100
95 91.4 0.0 193.0

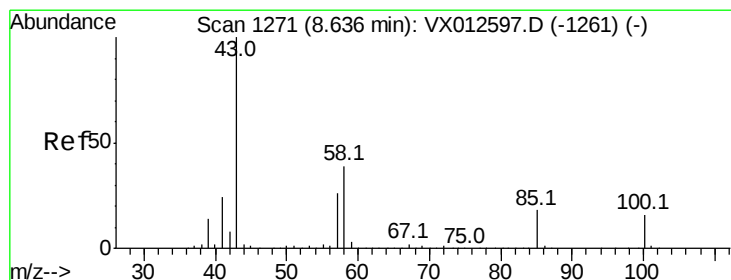
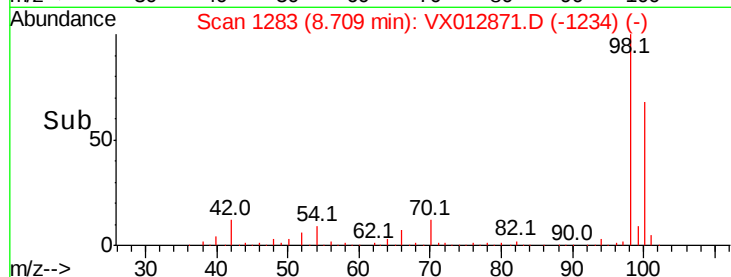
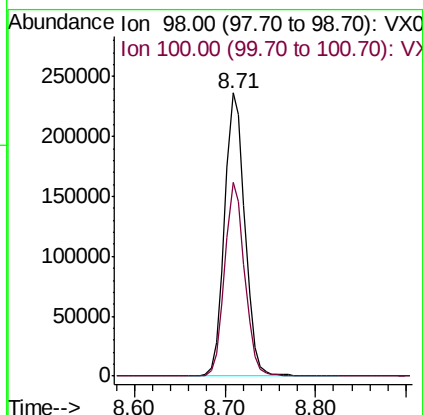
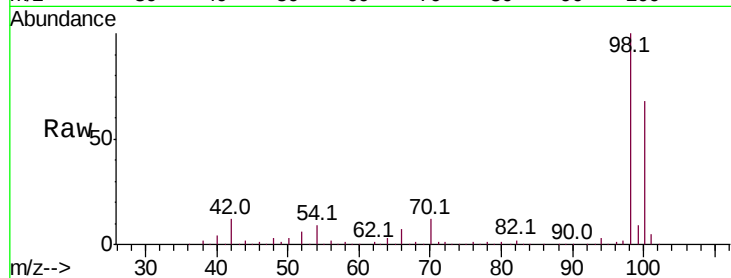




#50
Toluene-d8
Concen: 51.356 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

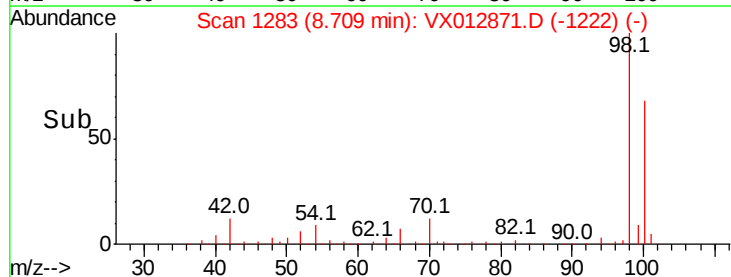
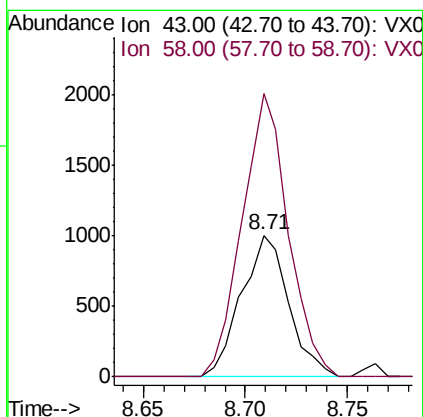
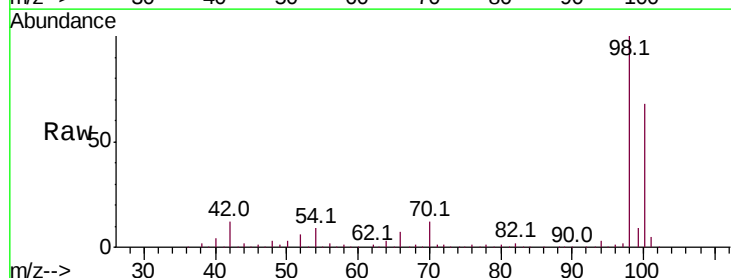
Instrument :
MSVOA_X
ClientSampled :

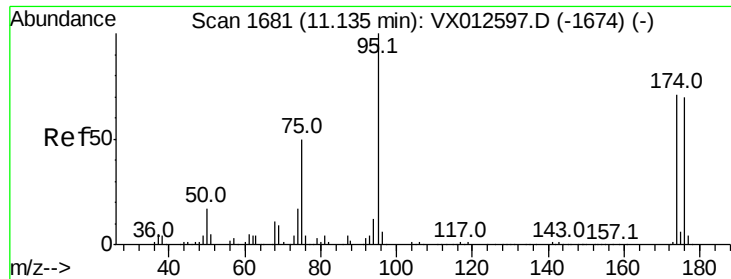
Tot Ion: 98 Resp: 368844
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.444 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

Tgt Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
58 194.9 29.8 44.6#

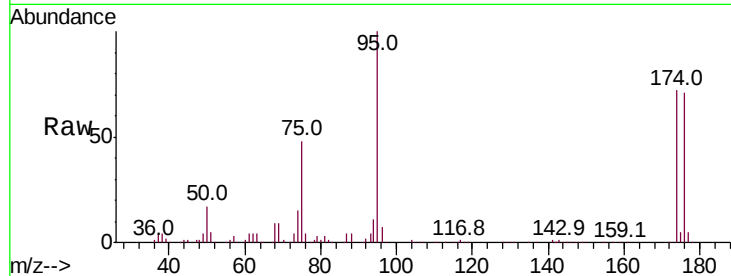




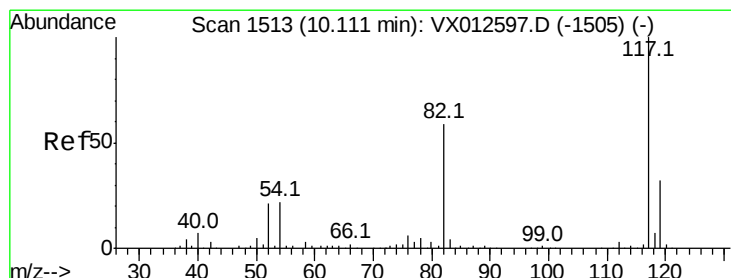
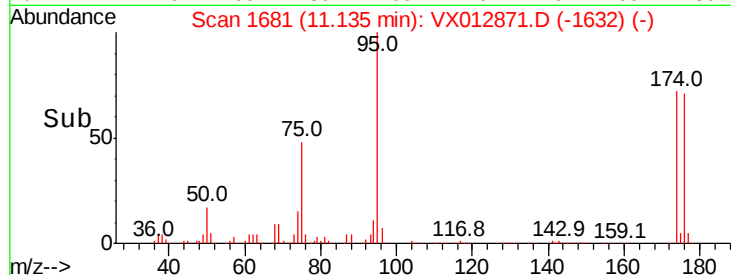
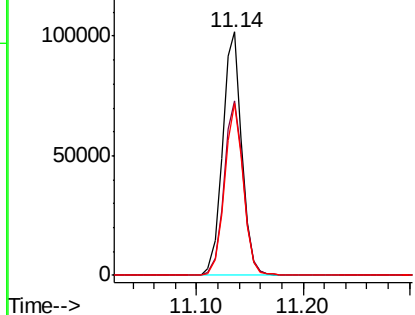
#62
4-Bromofluorobenzene
Concen: 45.294 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 127910
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.0
176 68.9 0.0 135.4

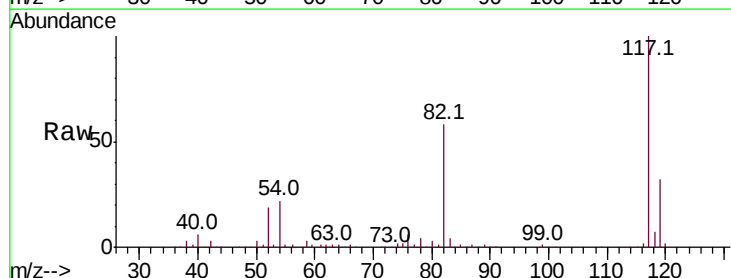


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

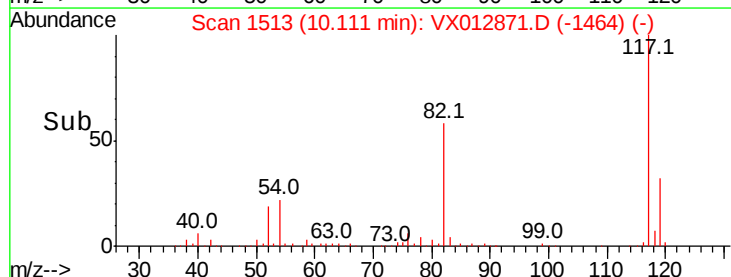
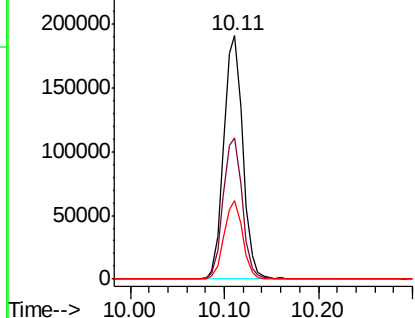


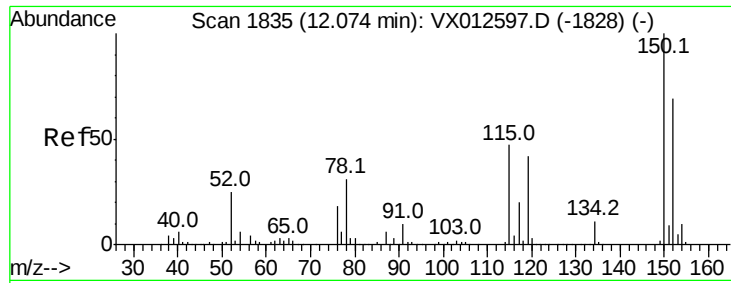
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012871.D
Acq: 08 Oct 2019 05:13

Tgt Ion: 117 Resp: 267711
Ion Ratio Lower Upper
117 100
82 57.7 45.9 68.9
119 32.5 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: VX012871.D

Acq: 08 Oct 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

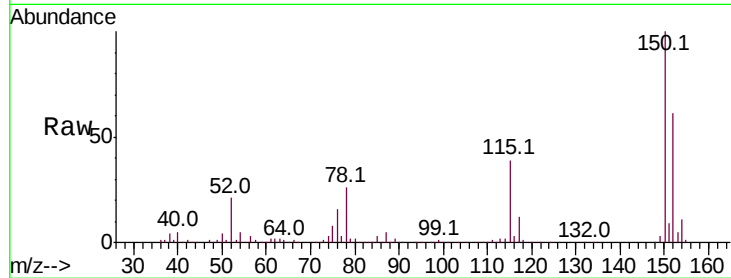
Tot Ion:152 Resp: 107892

Ion Ratio Lower Upper

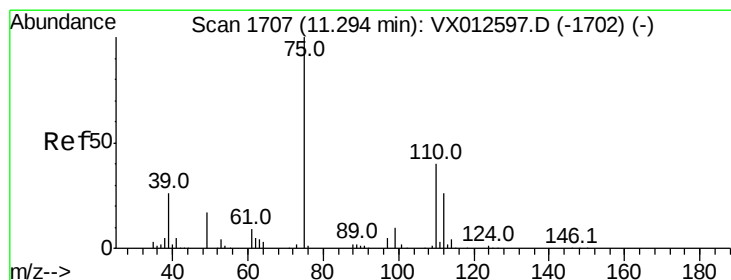
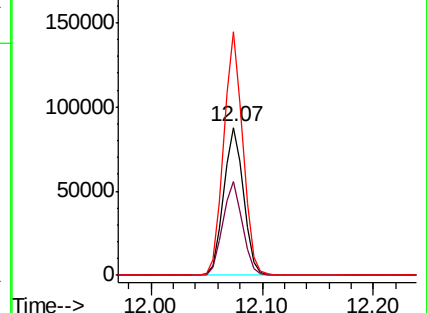
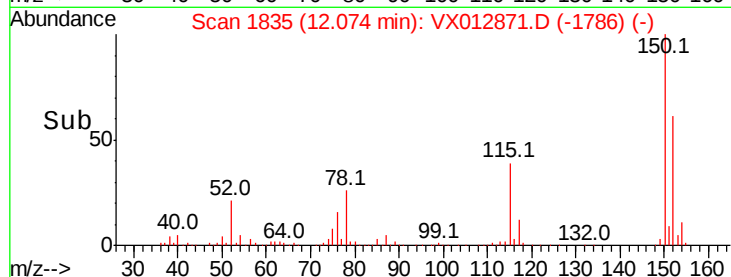
152 100

115 63.2 44.1 132.3

150 158.6 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: 22.078 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012871.D

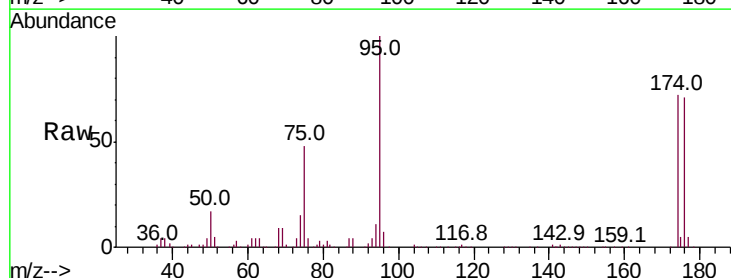
Acq: 08 Oct 2019 05:13

Tgt Ion: 75 Resp: 63011

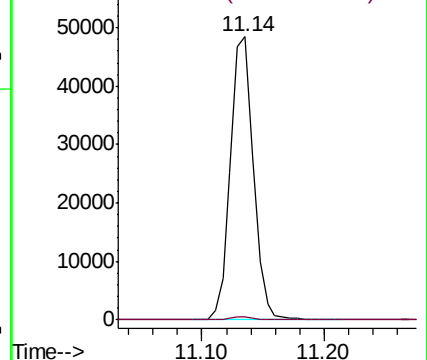
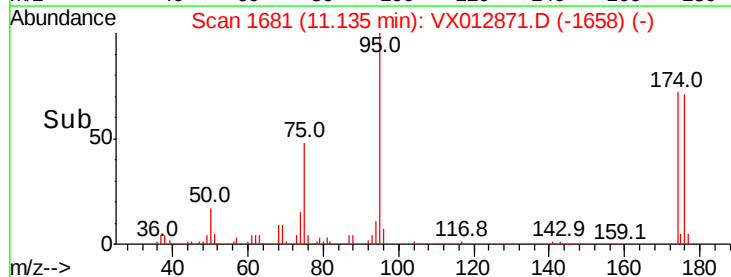
Ion Ratio Lower Upper

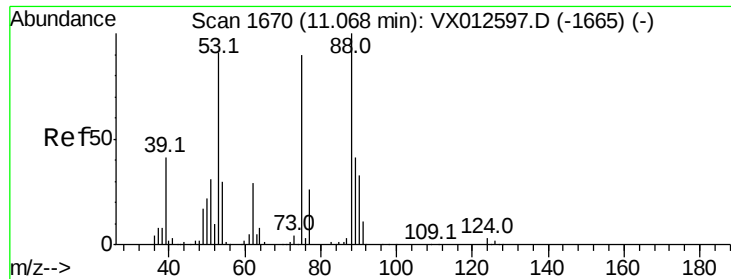
75 100

77 1.1 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: 63.271 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012871.D

Acq: 08 Oct 2019 05:13

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 63011

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.1 36.3 54.5#

