

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102919\
 Data File : VX013273.D
 Acq On : 29 Oct 2019 17:03
 Operator : JC/SP
 Sample : K5603-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	70657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	100889	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	99290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	57195	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	75179	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	5.48	113	57186	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	8.71	98	198493	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.14	95	74024	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

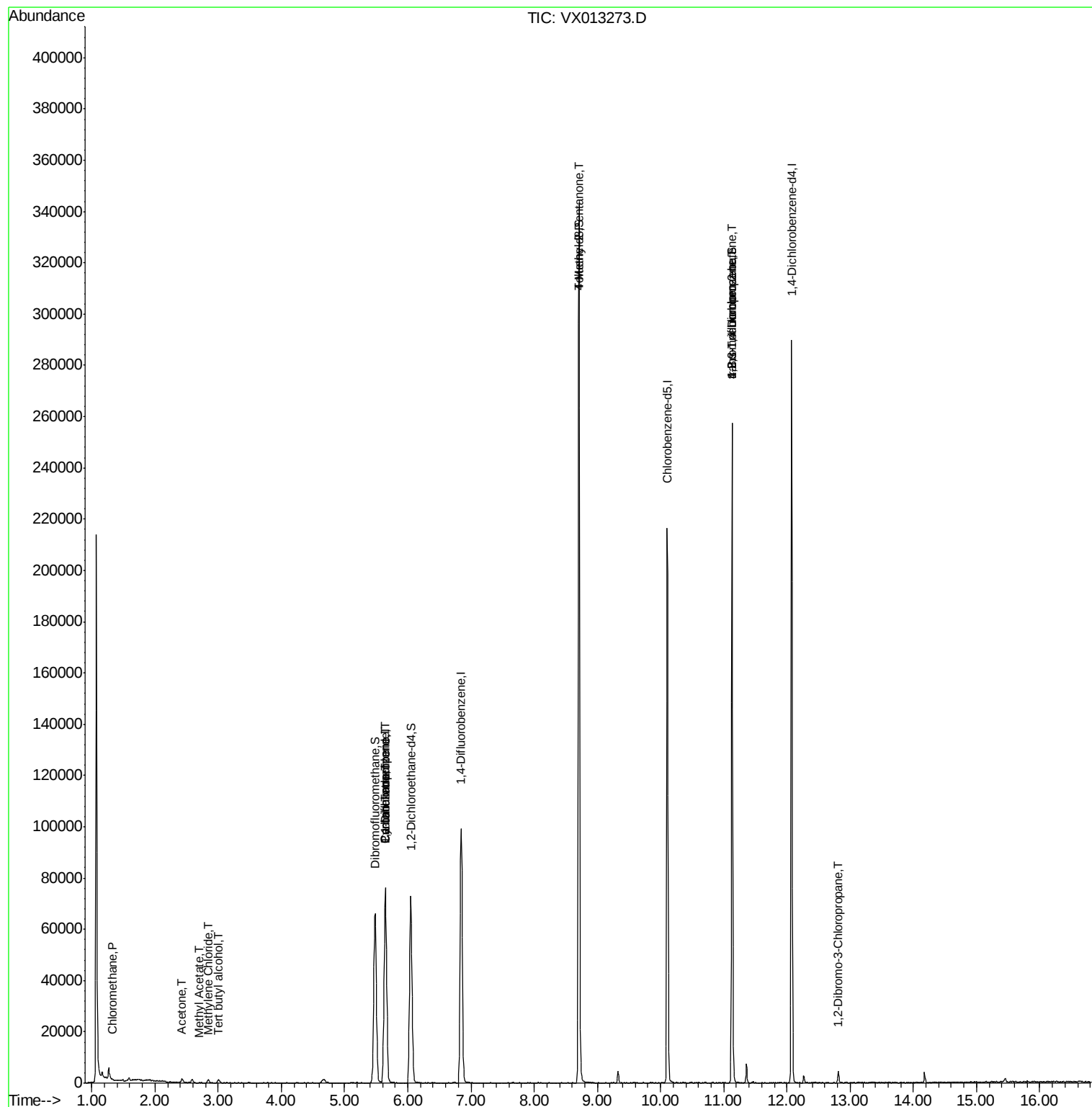
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	114	1.072	ug/l #	40
6) Chloroethane	1.73	64	702	Below Cal	#	43
11) Tert butyl alcohol	3.00	59	1000	2.065	ug/l #	72
16) Acetone	2.43	43	1598	2.295	ug/l #	83
18) Methyl Acetate	2.70	43	19	0.981	ug/l #	49
20) Methylene Chloride	2.84	84	655	0.789	ug/l #	76
31) Cyclohexane	5.65	56	1519	0.795	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	5118	2.958	ug/l #	51
38) Carbon Tetrachloride	5.65	117	7582	4.066	ug/l #	17
51) 4-Methyl-2-Pentanone	8.70	43	809	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	36829	26.717	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	36829	73.416	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	105	0.268	ug/l #	1

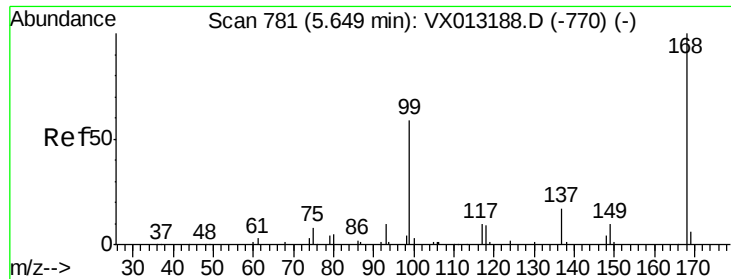
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

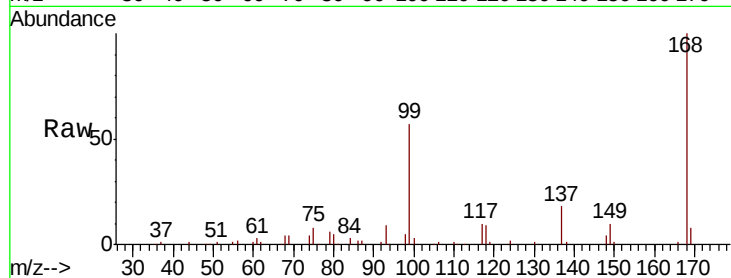
ClientSampled :

Tot Ion:168 Resp: 70657

Ion Ratio Lower Upper

168 100

99 56.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

25000

20000

15000

10000

5000

0

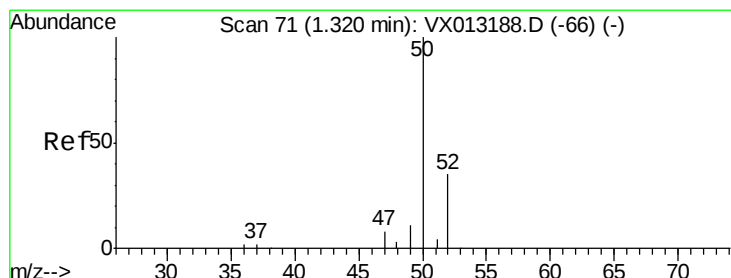
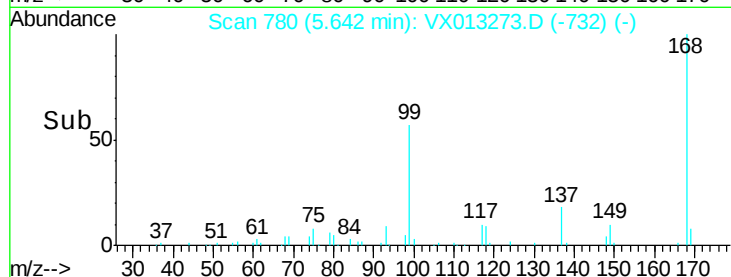
Time-->

5.50

5.60

5.70

5.80



#3

Chloromethane

Concen: 1.072 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013273.D

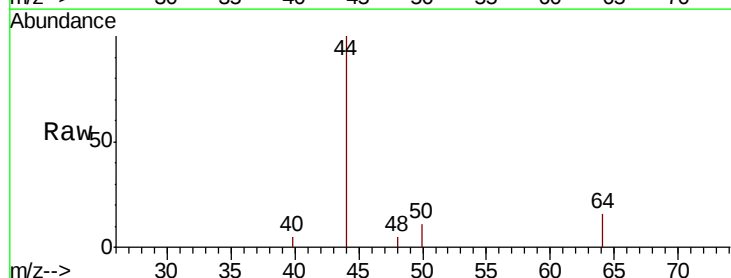
Acq: 29 Oct 2019 17:03

Tgt Ion: 50 Resp: 114

Ion Ratio Lower Upper

50 100

52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

150

100

50

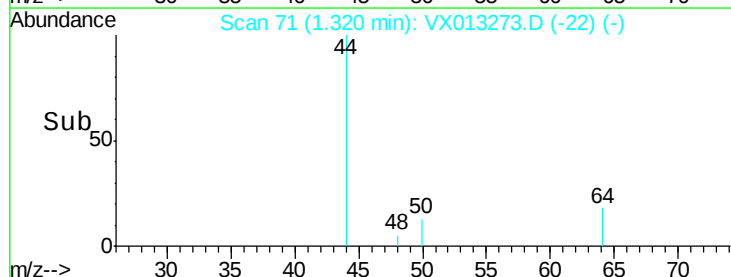
0

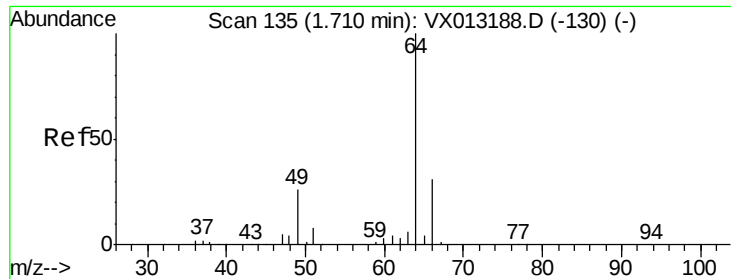
Time-->

1.30

1.32

1.34





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 139

Delta R.T. 0.02 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

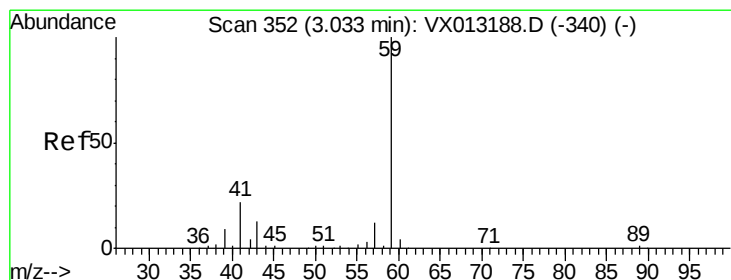
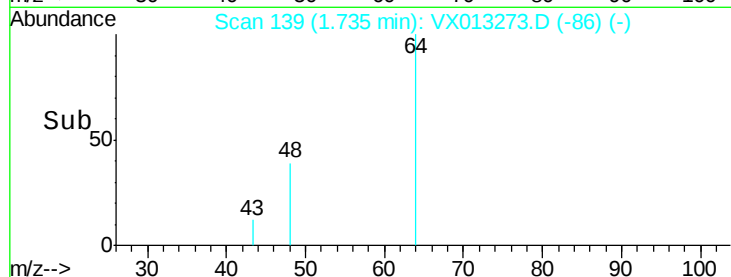
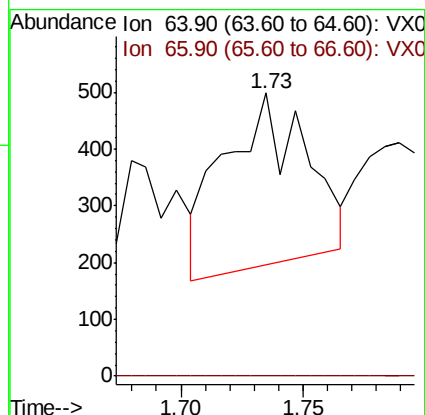
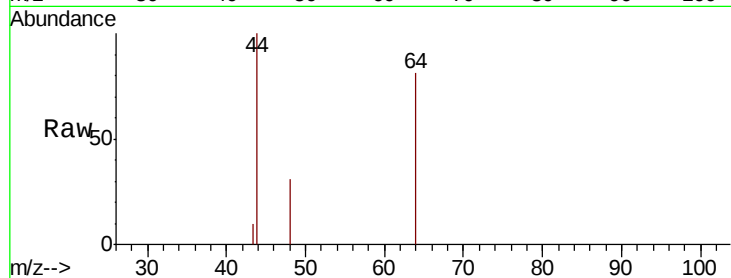
ClientSampleId :

Tot Ion: 64 Resp: 702

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#11

Tert butyl alcohol

Concen: 2.065 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.03 min

Lab File: VX013273.D

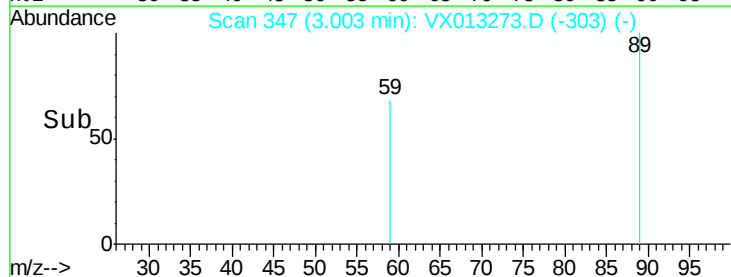
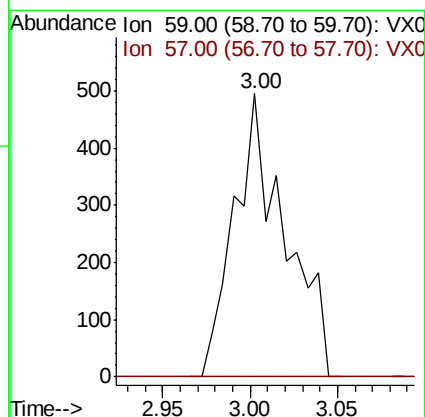
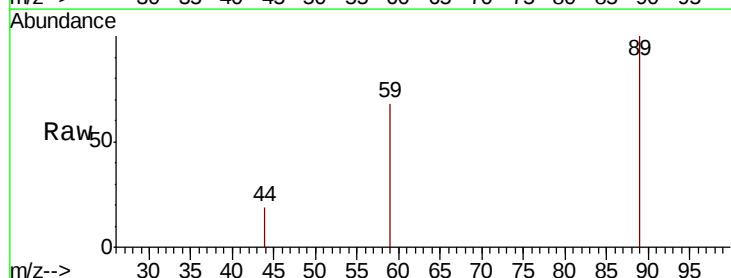
Acq: 29 Oct 2019 17:03

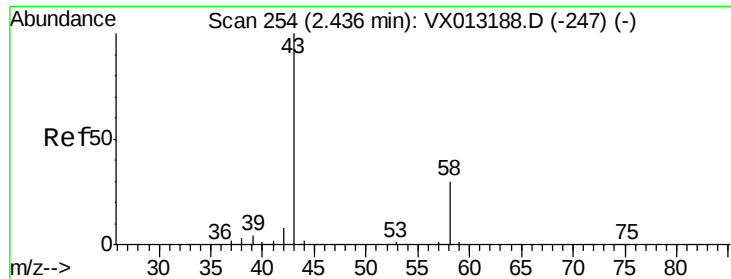
Tgt Ion: 59 Resp: 1000

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

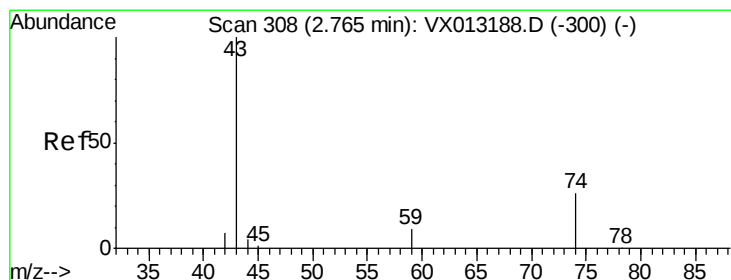
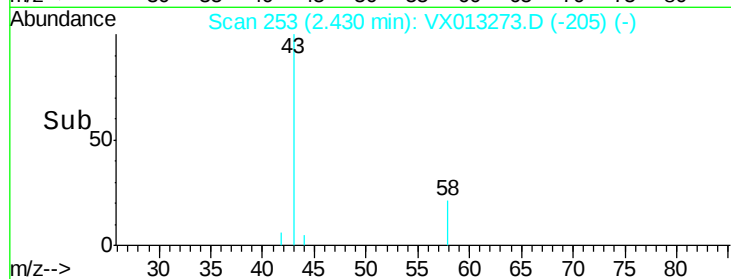
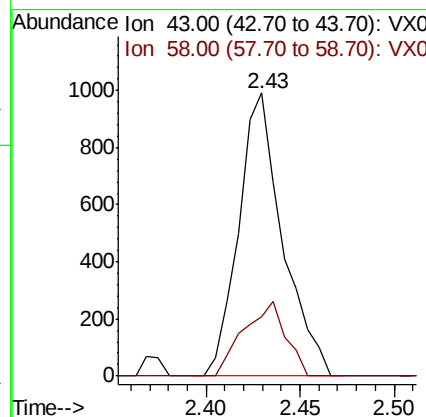
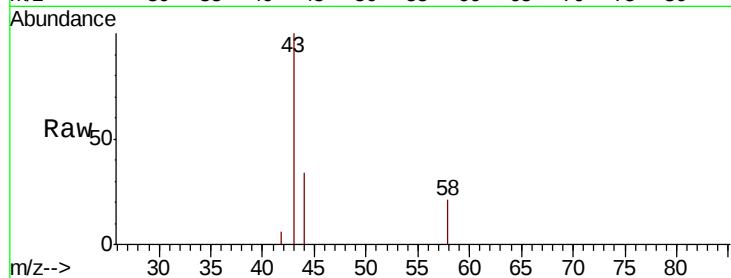




#16
Acetone
Concen: 2.295 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

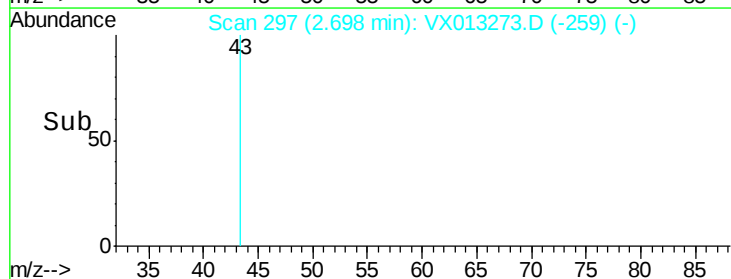
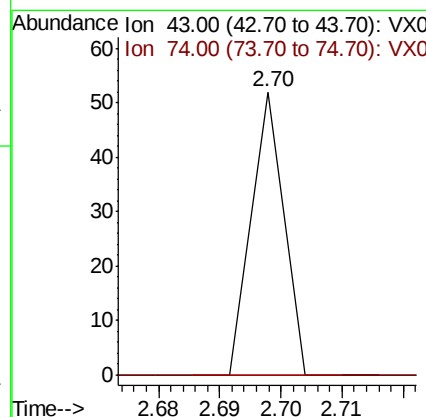
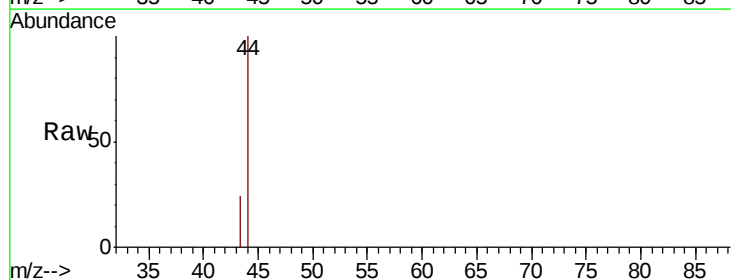
Instrument :
MSVOA_X
ClientSampled :

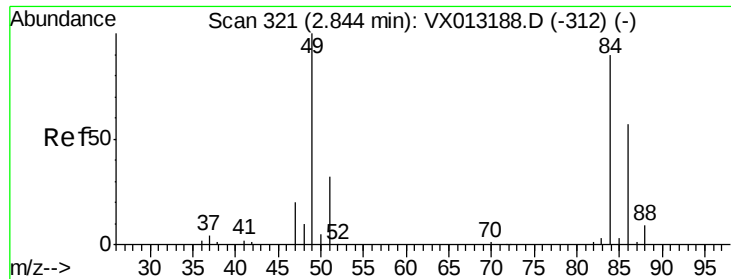
Tot Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
58 20.8 23.8 35.6#



#18
Methyl Acetate
Concen: 0.981 ug/l
RT: 2.70 min Scan# 297
Delta R.T. -0.07 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#

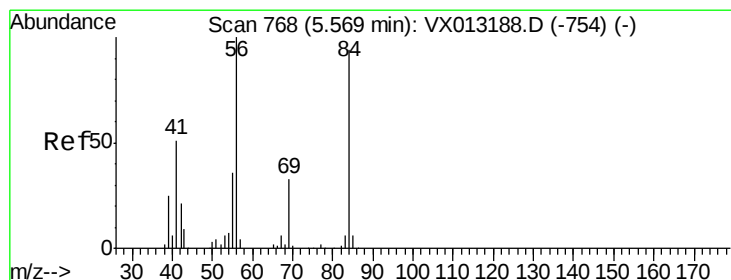
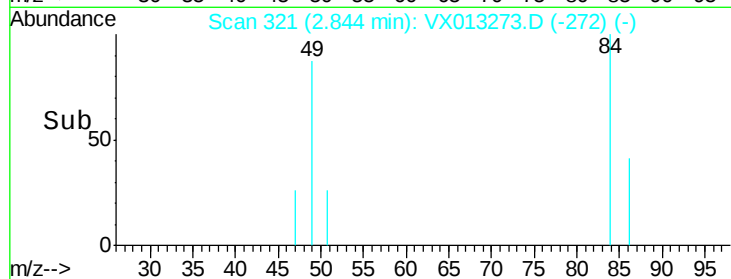
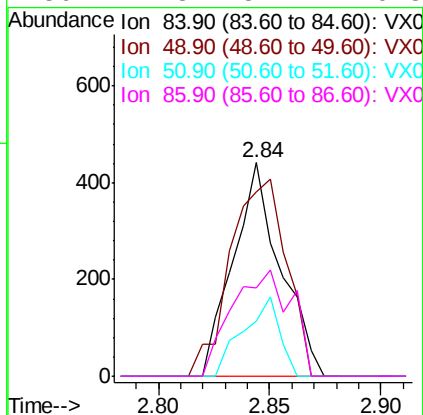
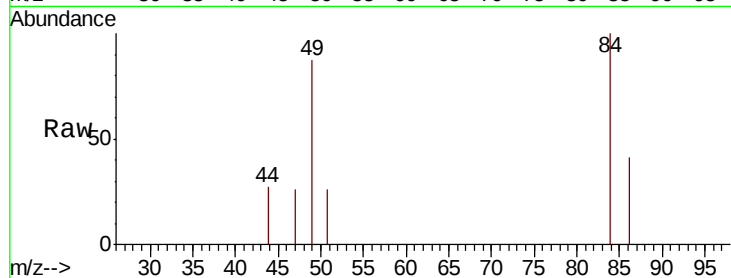




#20
Methylene Chloride
Concen: 0.789 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

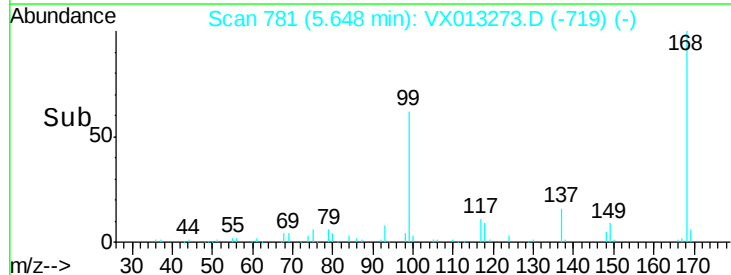
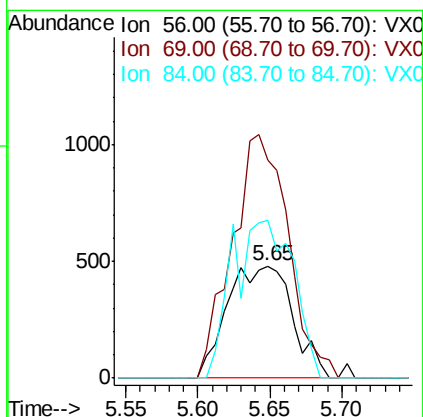
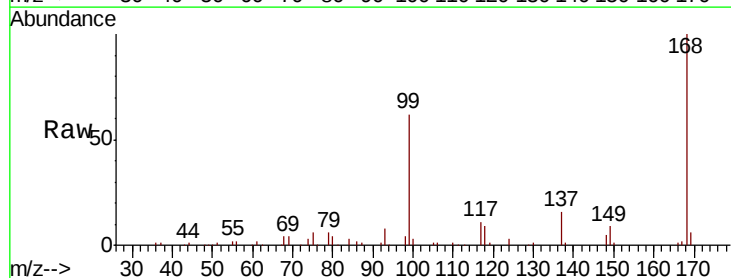
Instrument :
MSVOA_X
ClientSampleId :

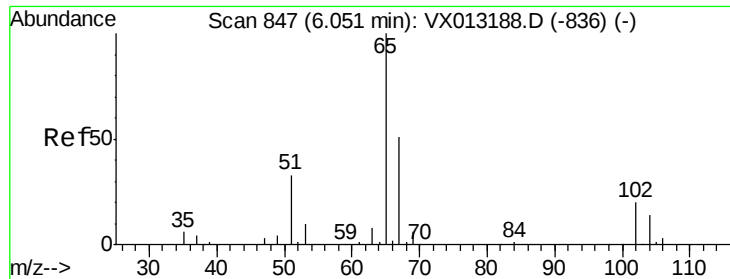
Tot Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 86.6 89.2 133.8#
51 26.1 28.8 43.2#
86 41.3 51.2 76.8#



#31
Cyclohexane
Concen: 0.795 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

Tgt Ion: 56 Resp: 1519
Ion Ratio Lower Upper
56 100
69 194.2 26.3 39.5#
84 140.5 73.8 110.6#

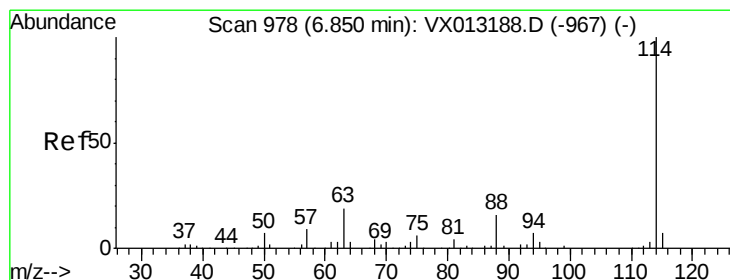
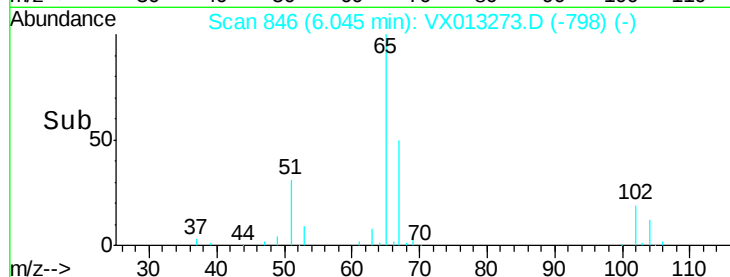
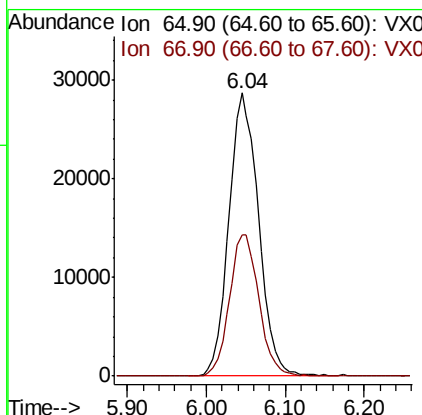
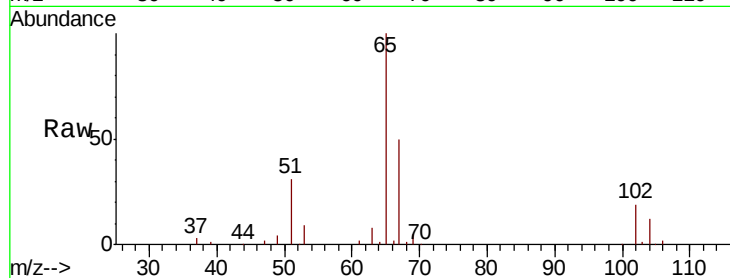




#33
 1,2-Dichloroethane-d4
 Concen: 50.871 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX013273.D
 Acq: 29 Oct 2019 17:03

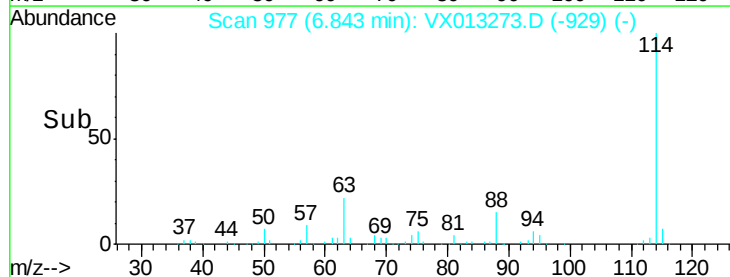
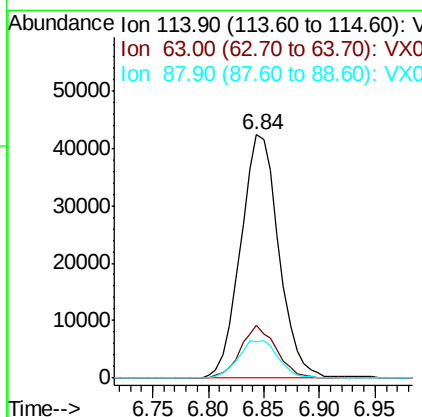
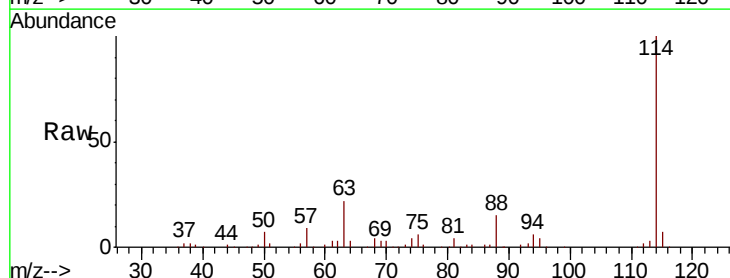
Instrument :
 MSVOA_X
 ClientSampleId :

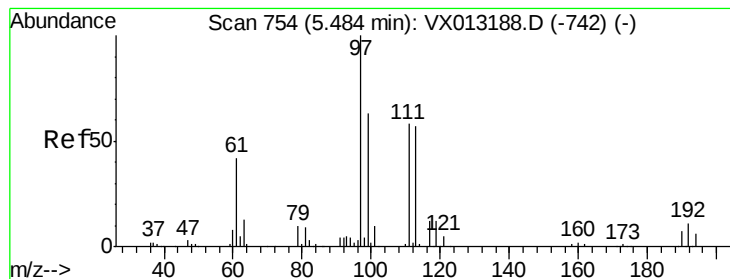
Tot Ion: 65 Resp: 75179
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX013273.D
 Acq: 29 Oct 2019 17:03

Tgt Ion: 114 Resp: 100889
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.0
 88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 50.829 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

ClientSampled :

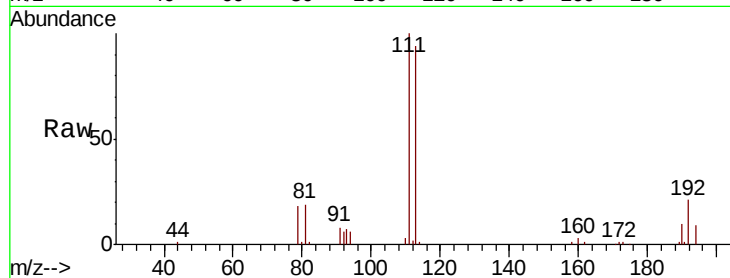
Tot Ion:113 Resp: 57186

Ion Ratio Lower Upper

113 100

111 104.1 80.3 120.5

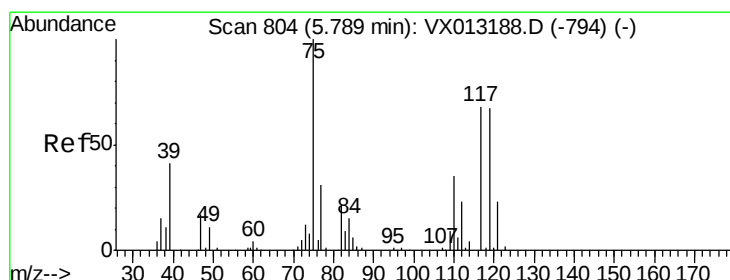
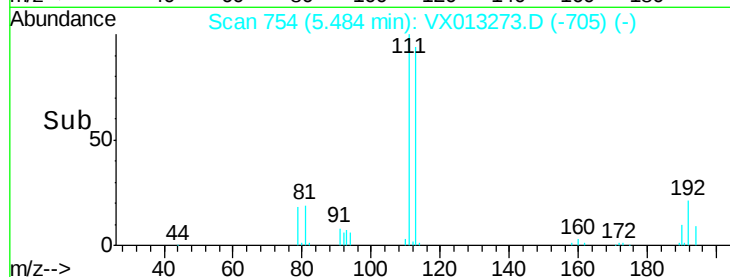
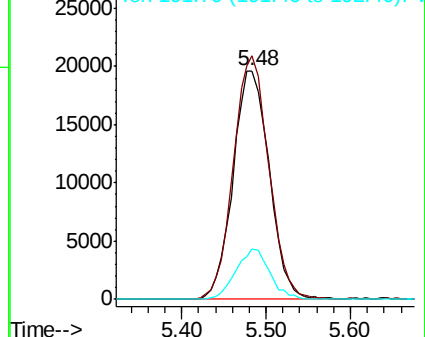
192 20.6 15.9 23.9



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: 2.958 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

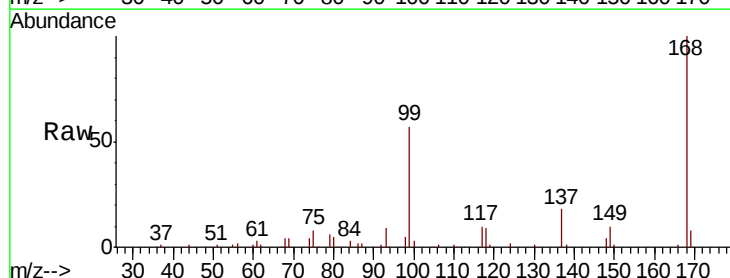
Tgt Ion: 75 Resp: 5118

Ion Ratio Lower Upper

75 100

110 10.2 17.6 52.9#

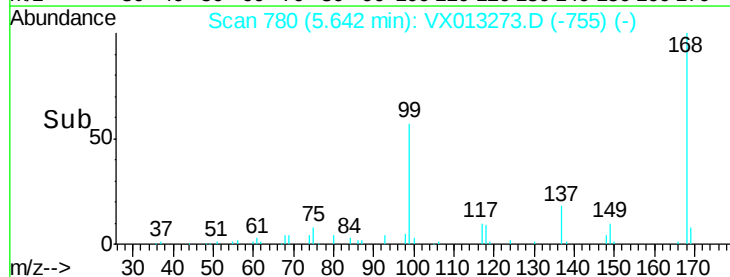
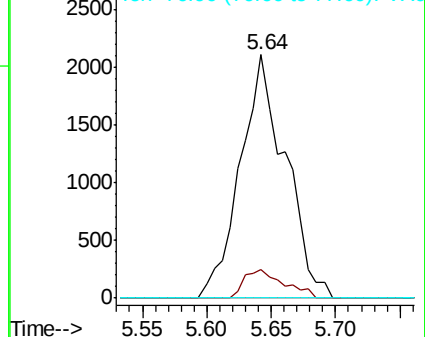
77 0.0 24.7 37.1#

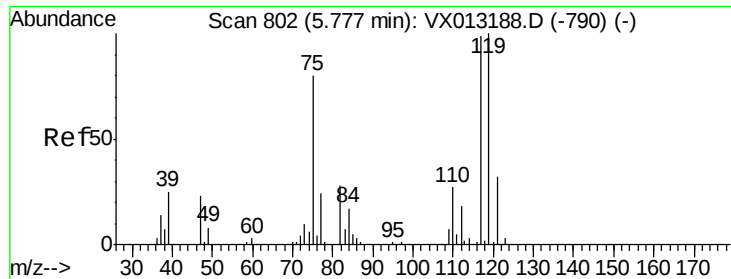


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.066 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

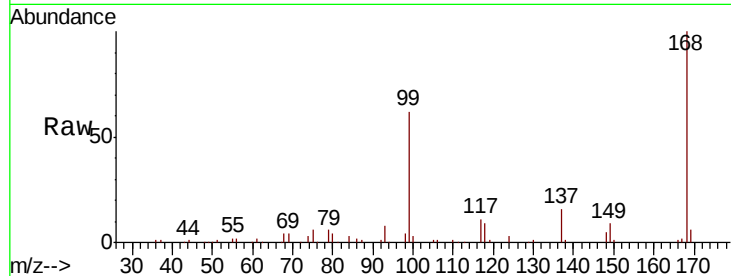
Tot Ion:117 Resp: 7582

Ion Ratio Lower Upper

117 100

119 8.4 80.1 120.1#

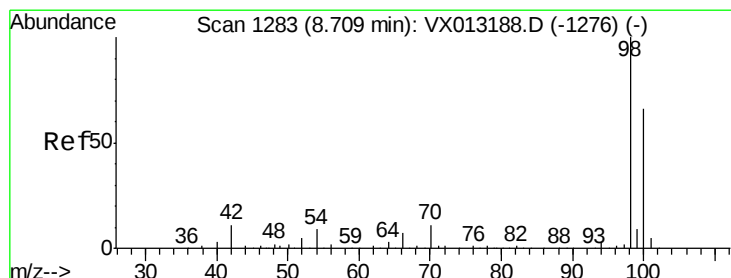
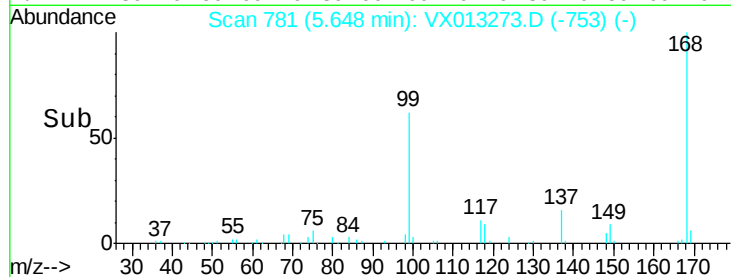
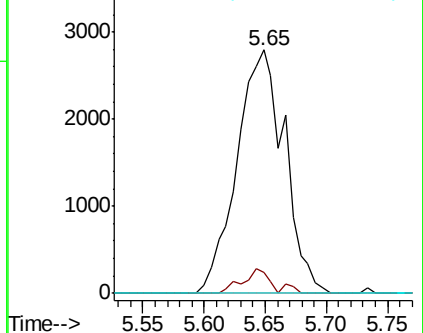
121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.608 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013273.D

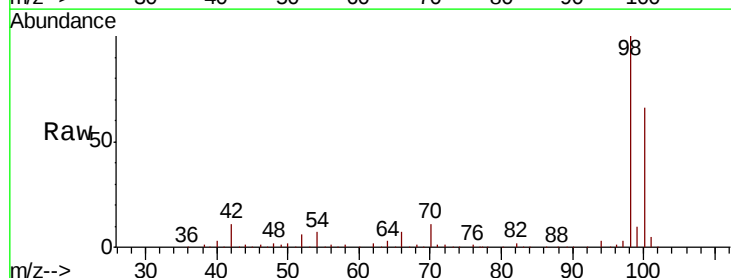
Acq: 29 Oct 2019 17:03

Tgt Ion: 98 Resp: 198493

Ion Ratio Lower Upper

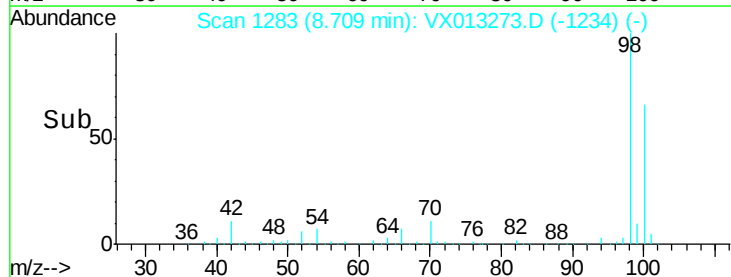
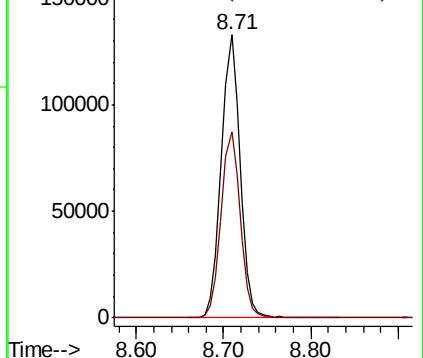
98 100

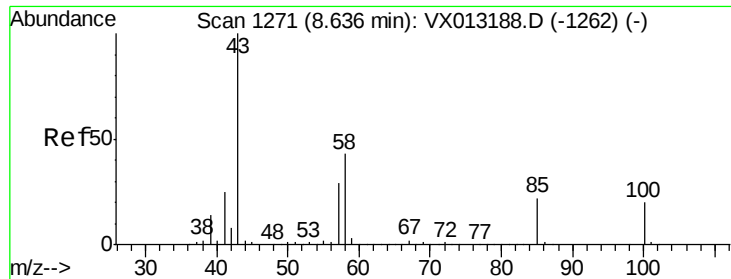
100 66.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.475 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. 0.07 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

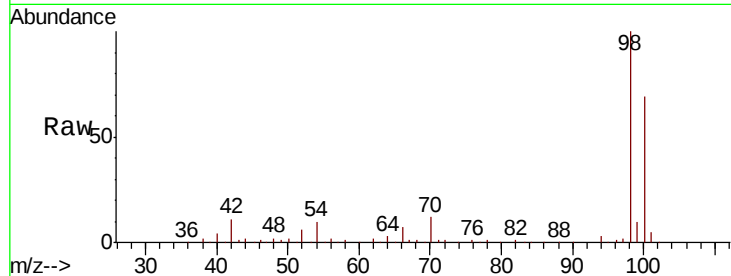
ClientSampled :

Tot Ion: 43 Resp: 809

Ion Ratio Lower Upper

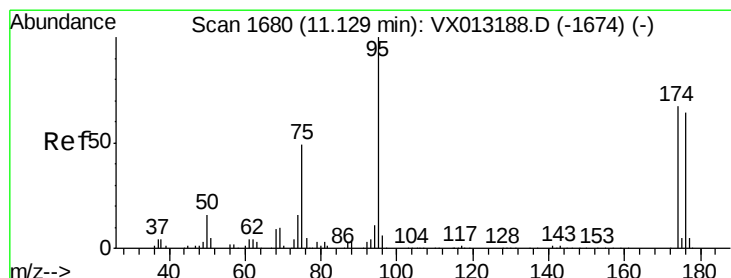
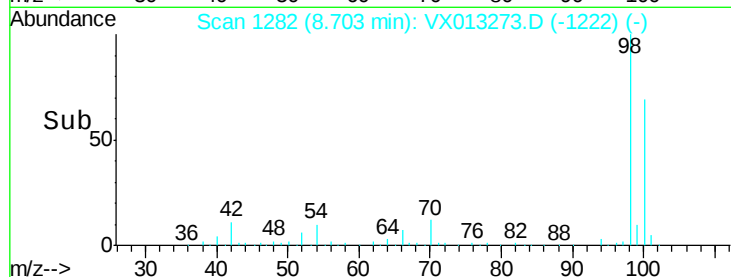
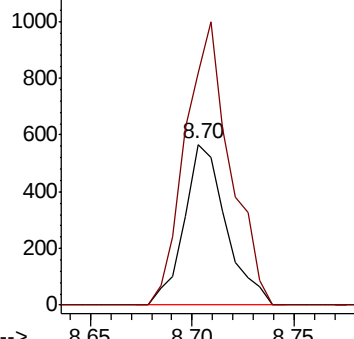
43 100

58 188.6 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.857 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

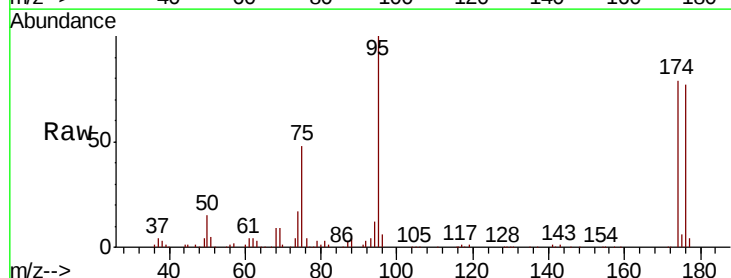
Tgt Ion: 95 Resp: 74024

Ion Ratio Lower Upper

95 100

174 76.5 0.0 152.4

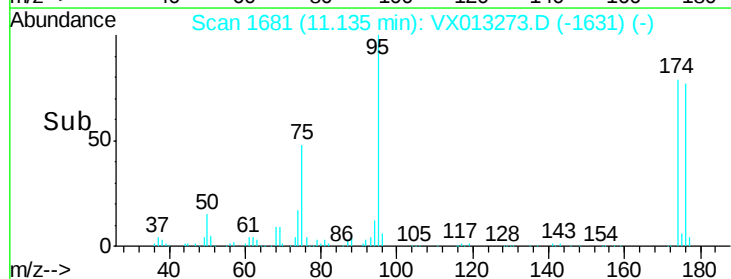
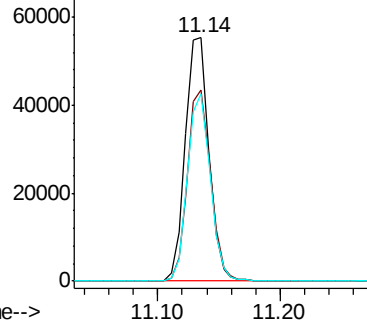
176 74.0 0.0 146.0

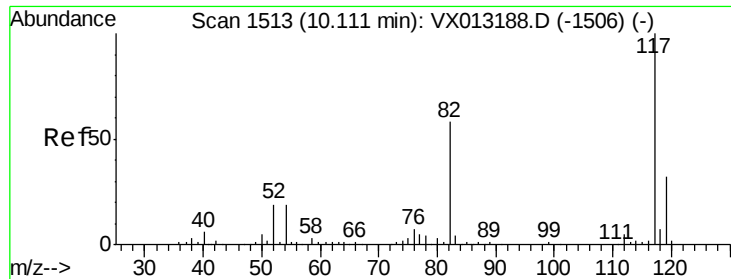


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

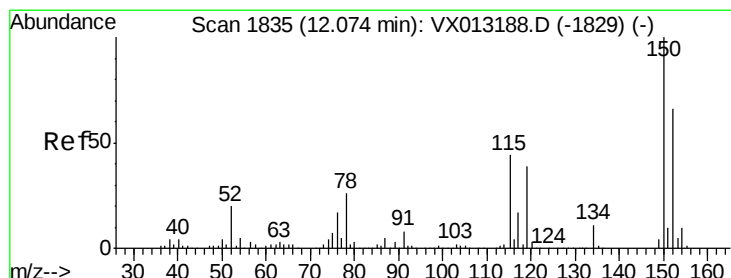
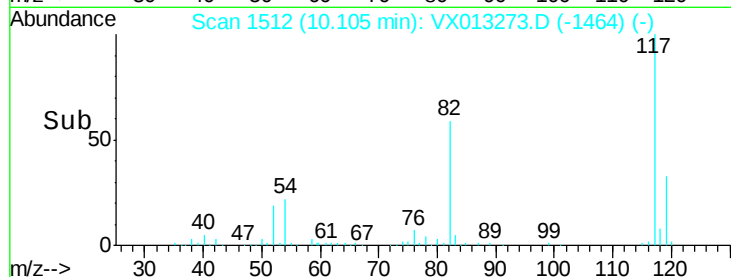
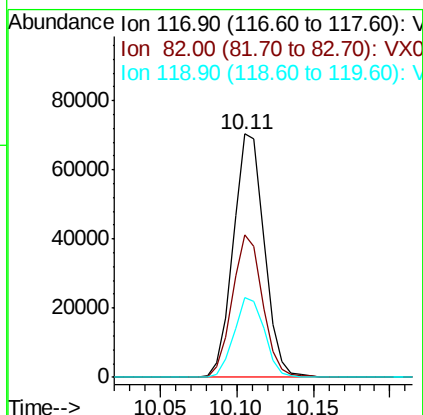
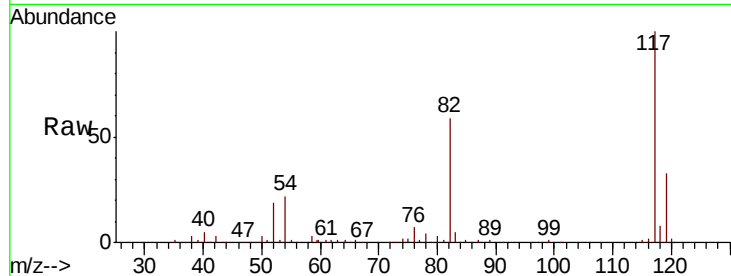




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

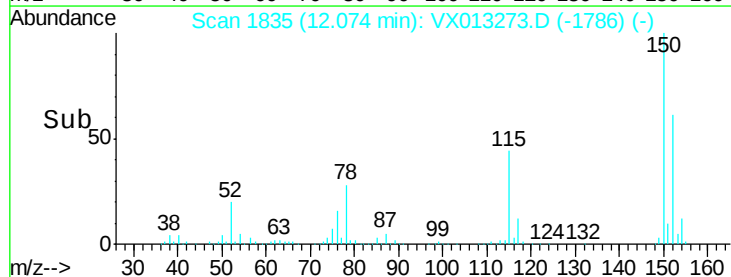
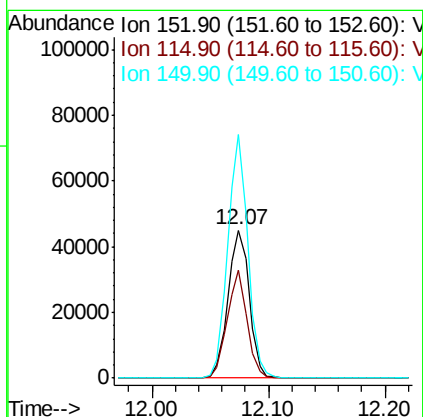
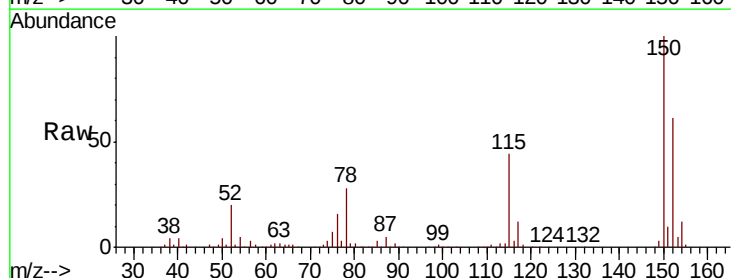
Instrument :
MSVOA_X
ClientSampled :

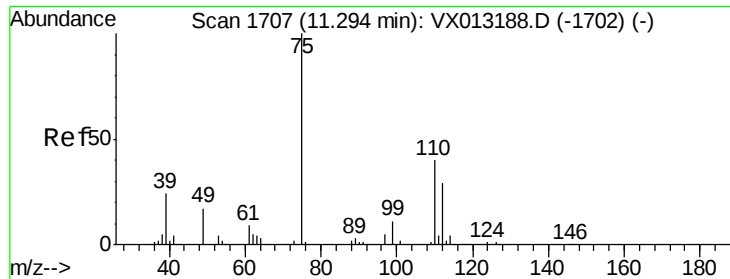
Tot Ion:117 Resp: 99290
Ion Ratio Lower Upper
117 100
82 58.7 46.5 69.7
119 32.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013273.D
Acq: 29 Oct 2019 17:03

Tgt Ion:152 Resp: 57195
Ion Ratio Lower Upper
152 100
115 66.8 46.6 139.8
150 154.5 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 26.717 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

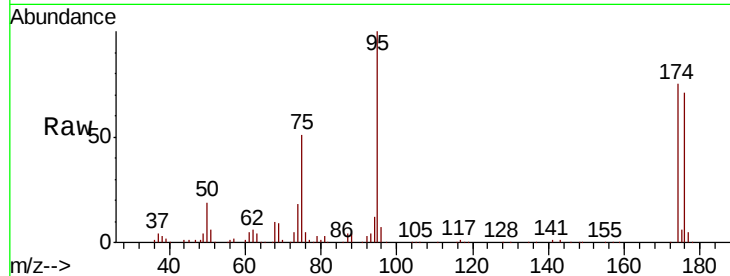
ClientSampleId :

Tot Ion: 75 Resp: 36829

Ion Ratio Lower Upper

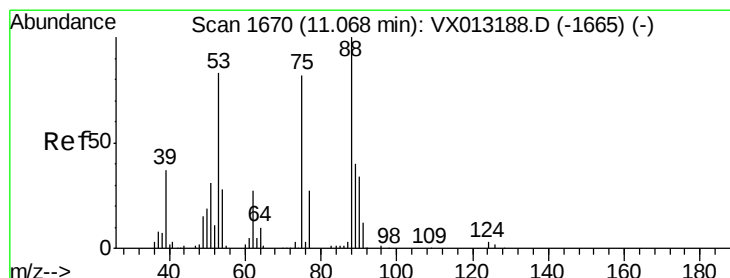
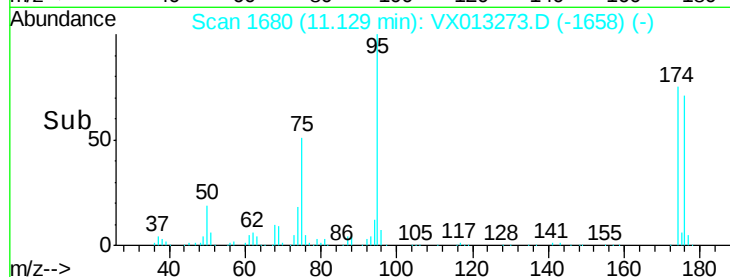
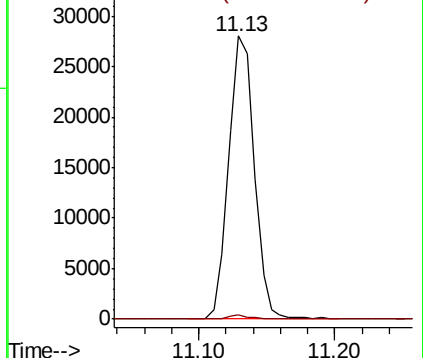
75 100

77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 73.416 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

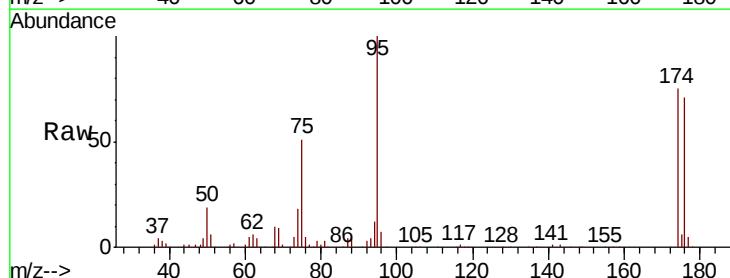
Tgt Ion: 75 Resp: 36829

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

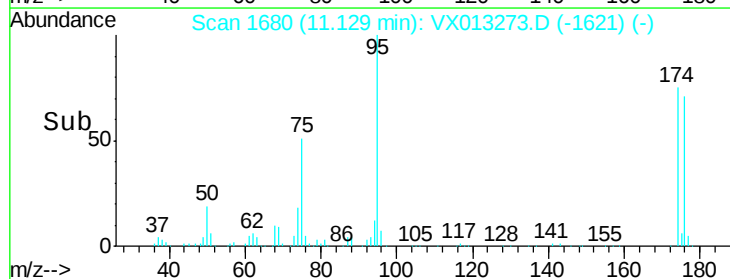
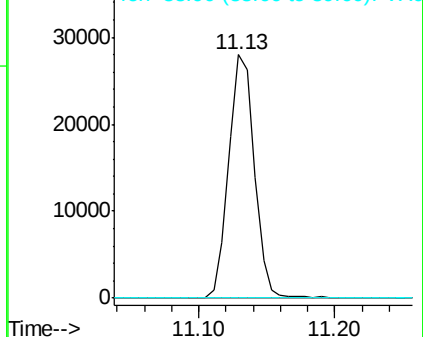
89 0.0 37.3 55.9#

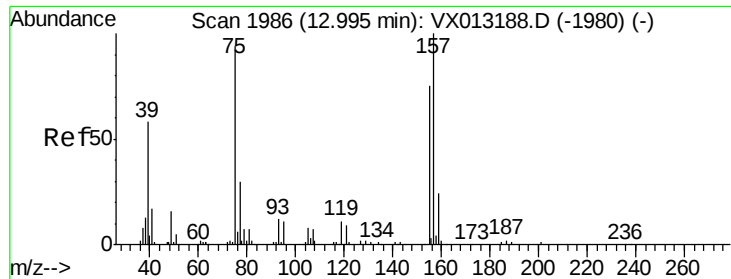


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.268 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX013273.D

Acq: 29 Oct 2019 17:03

Instrument :

MSVOA_X

ClientSampleId :

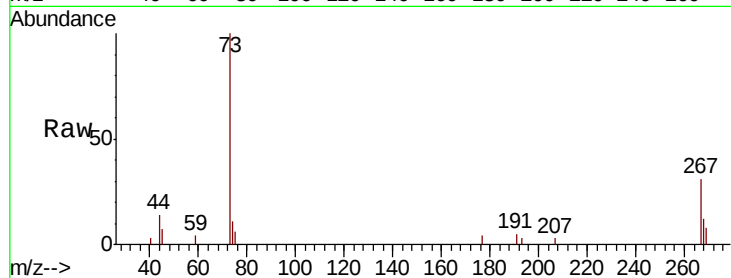
Tot Ion: 75 Resp: 105

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 54.3 162.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

