

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009456.D
 Acq On : 10 May 2019 03:03
 Operator : JC/SP
 Sample : K2782-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:12:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118778	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	128513	48.55	ug/l	0.00
Spiked Amount	50.000			Recovery	=	97.10%	
35) Dibromofluoromethane		5.50	113	94480	48.19	ug/l	0.00
Spiked Amount	50.000			Recovery	=	96.38%	
50) Toluene-d8		8.71	98	389389	49.19	ug/l	0.00
Spiked Amount	50.000			Recovery	=	98.38%	
62) 4-Bromofluorobenzene		11.13	95	129041	44.86	ug/l	0.00
Spiked Amount	50.000			Recovery	=	89.72%	

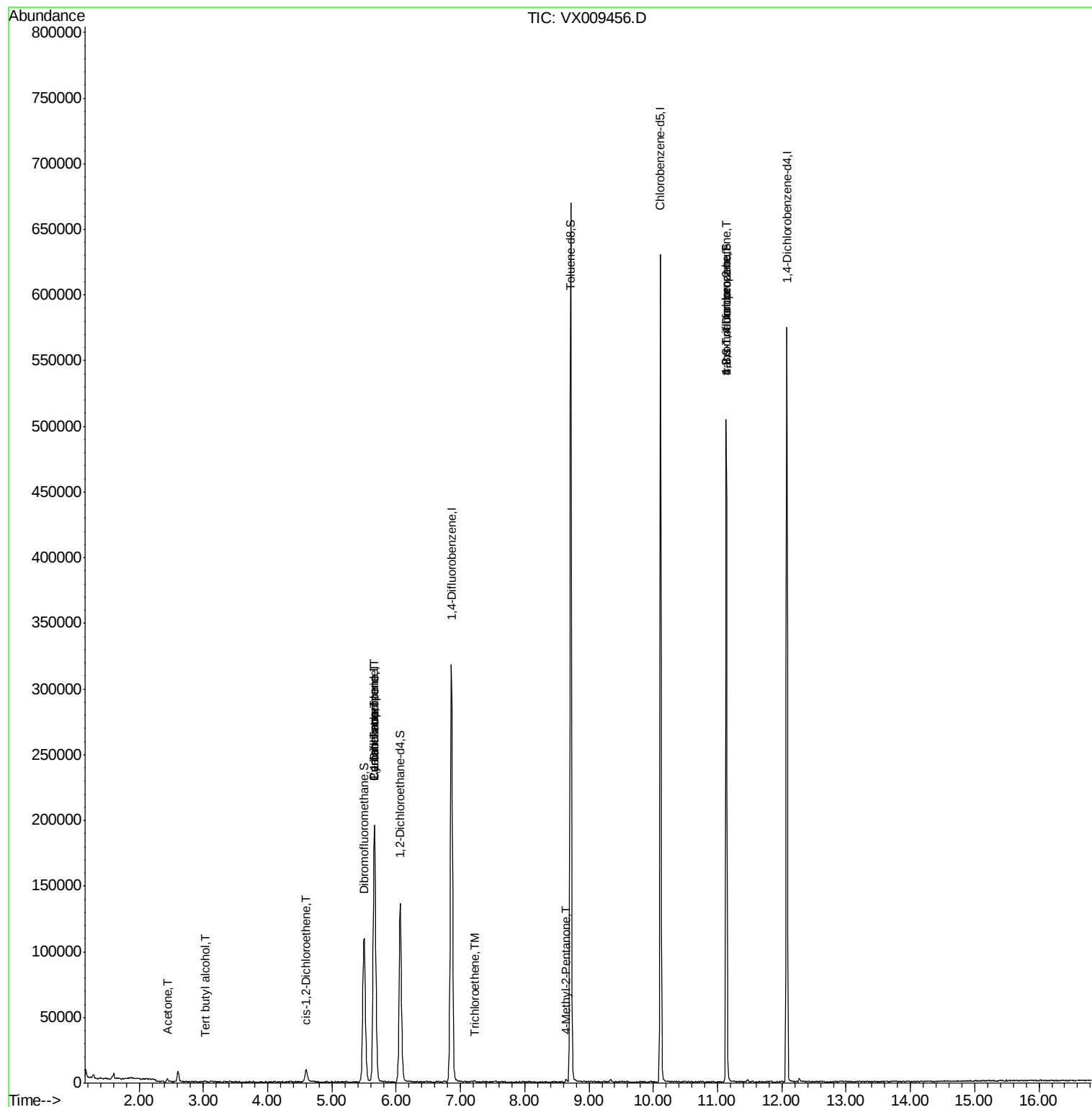
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	531	0.867	ug/l #	86
16) Acetone	2.44	43	2313	1.627	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	5465	2.321	ug/l	91
28) Bromochloromethane	5.03	49	25	Below Cal	#	20
31) Cyclohexane	5.66	56	4288	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15084	5.204	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18041	6.851	ug/l #	16
44) Trichloroethene	7.21	130	442	0.204	ug/l	62
51) 4-Methyl-2-Pentanone	8.64	43	1488	0.352	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	65731	23.857	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	65731	61.041	ug/l #	10

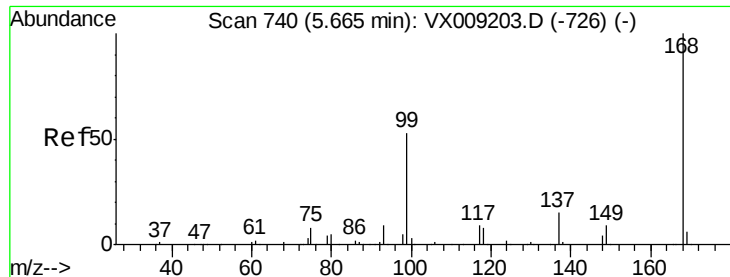
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

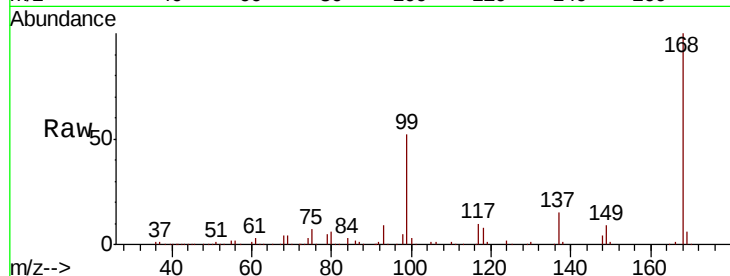
ClientSampleId :

Tot Ion:168 Resp: 193899

Ion Ratio Lower Upper

168 100

99 52.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

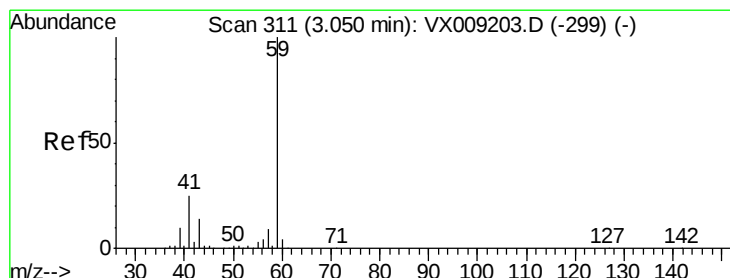
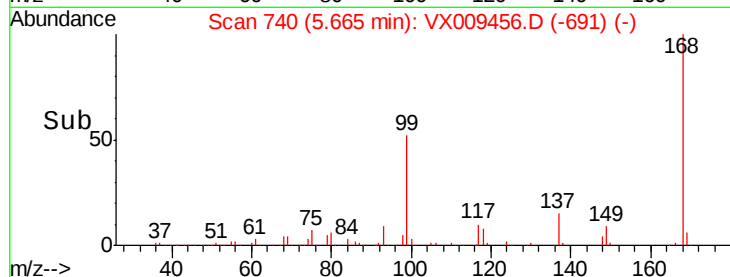
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.867 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX009456.D

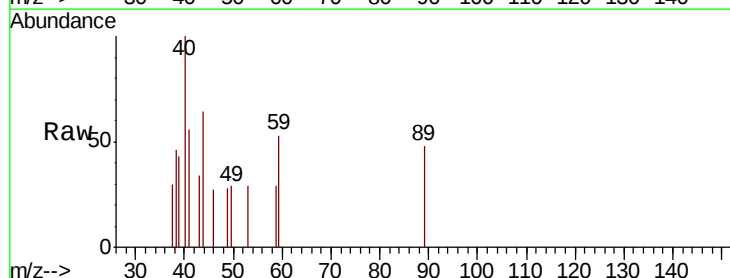
Acq: 10 May 2019 03:03

Tgt Ion: 59 Resp: 531

Ion Ratio Lower Upper

59 100

57 5.1 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

200

150

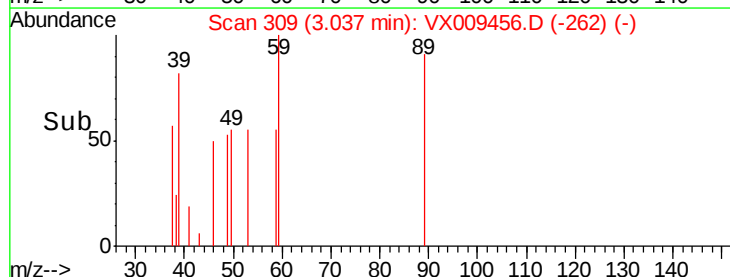
100

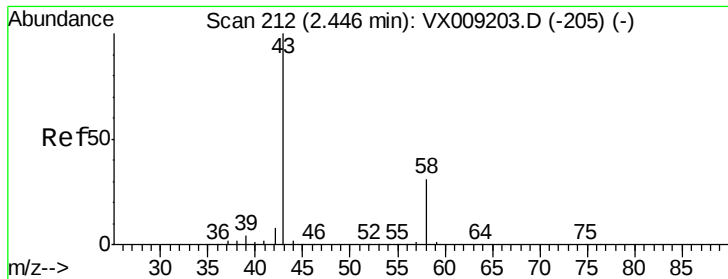
50

0

Time-->

2.95 3.00 3.05 3.10





#16

Acetone

Concen: 1.627 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

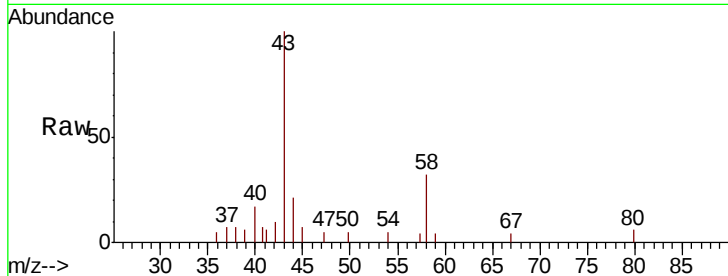
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 2313

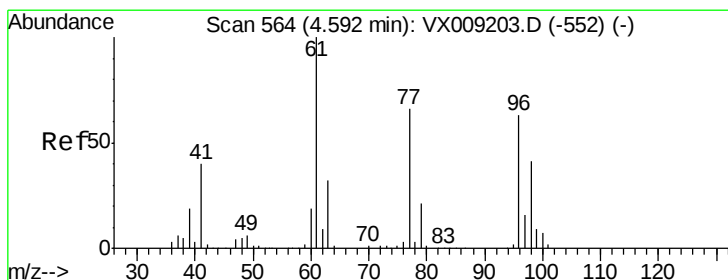
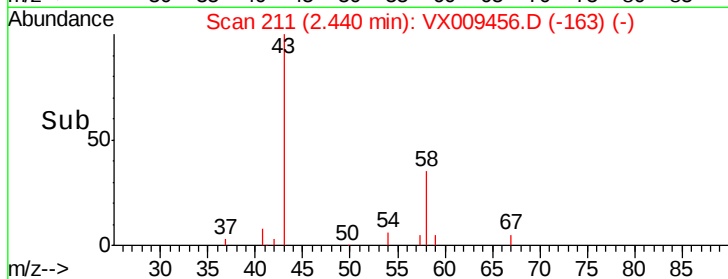
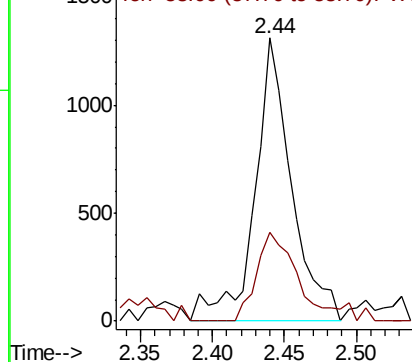
Ion Ratio Lower Upper

43 100

58 31.6 24.9 37.3



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



#27

cis-1,2-Dichloroethene

Concen: 2.321 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

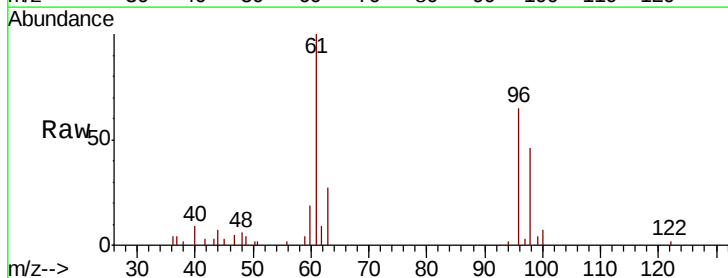
Tgt Ion: 96 Resp: 5465

Ion Ratio Lower Upper

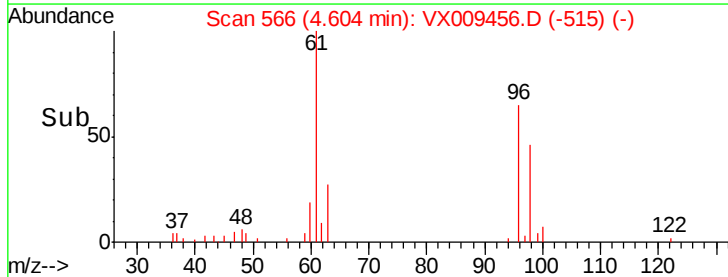
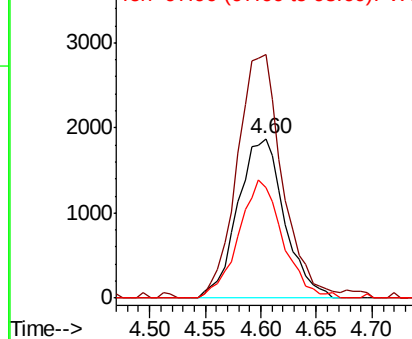
96 100

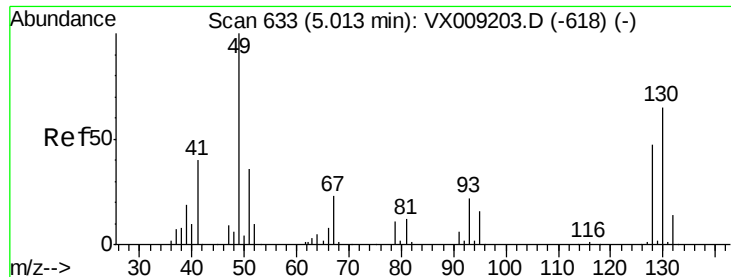
61 147.5 0.0 324.0

98 69.9 0.0 130.4



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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

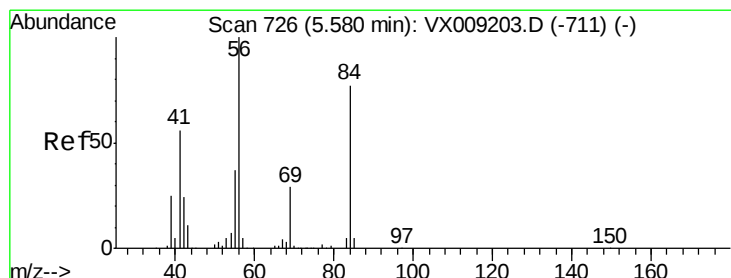
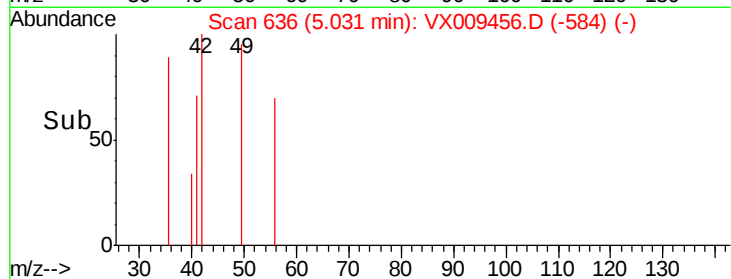
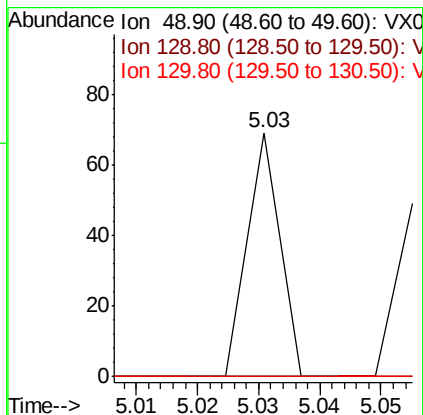
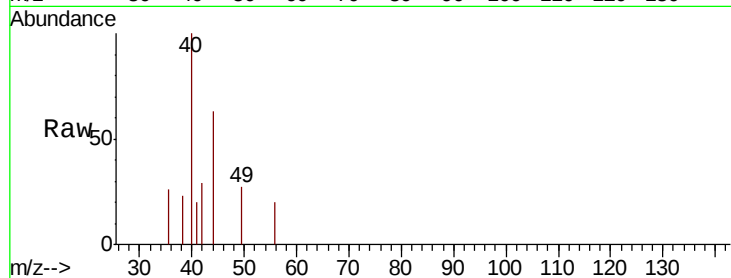
Delta R.T. 0.02 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 25
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



#31

Cyclohexane

Concen: 1.096 ug/l

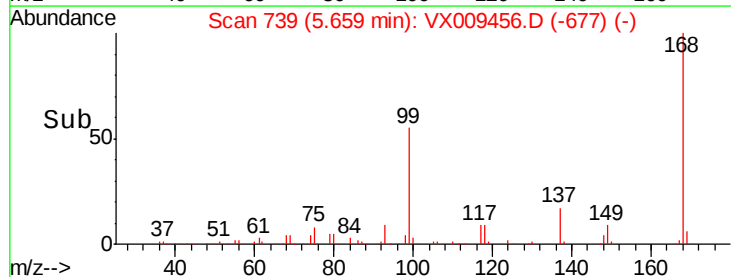
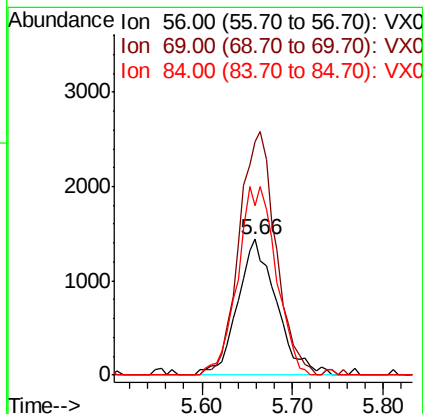
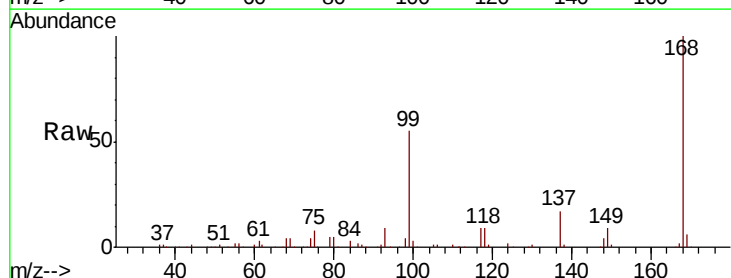
RT: 5.66 min Scan# 739

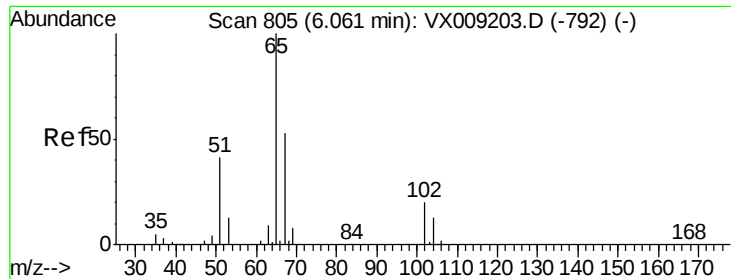
Delta R.T. 0.08 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Tgt Ion: 56 Resp: 4288
Ion Ratio Lower Upper
56 100
69 171.6 23.4 35.0#
84 124.6 61.9 92.9#

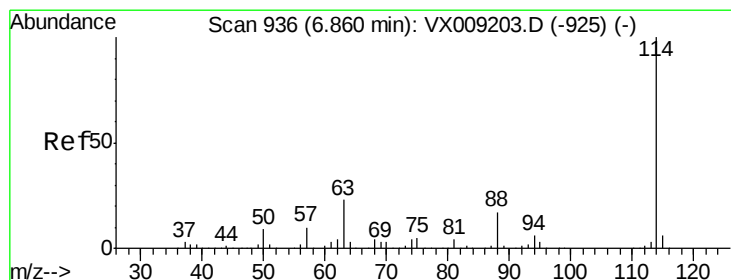
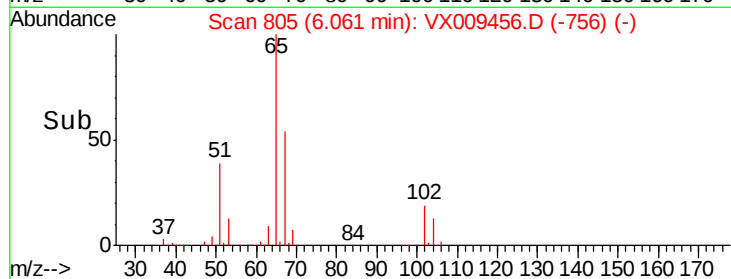
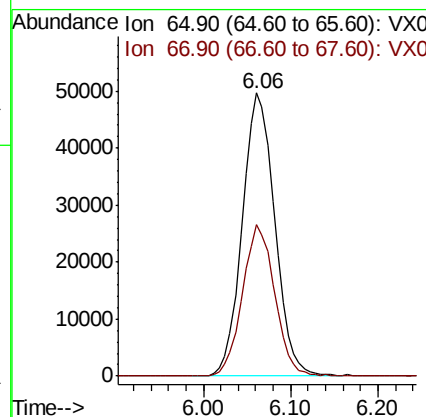
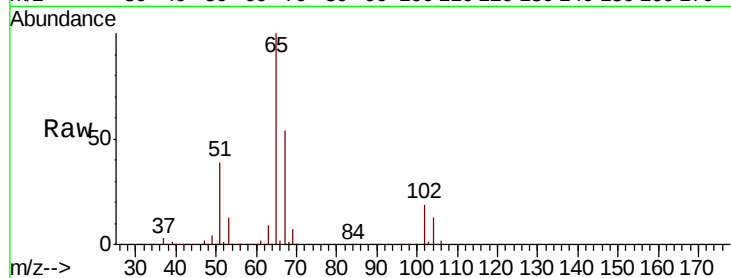




#33
 1,2-Dichloroethane-d4
 Concen: 48.551 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009456.D
 Acq: 10 May 2019 03:03

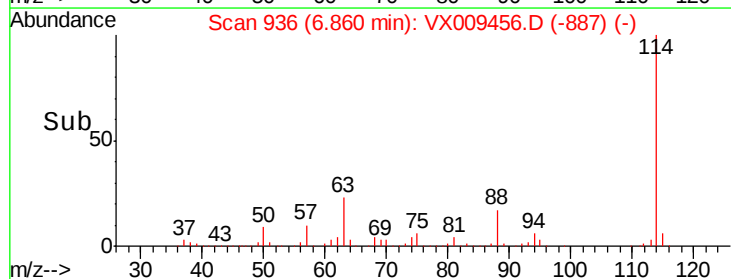
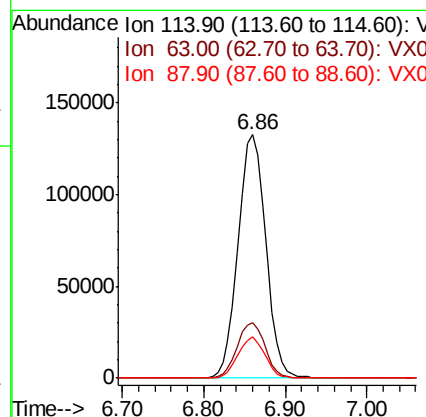
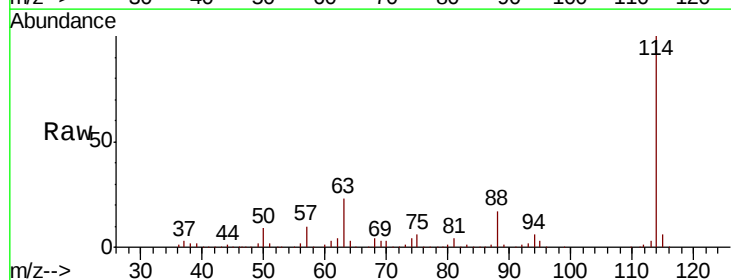
Instrument :
 MSVOA_X
 ClientSampled :

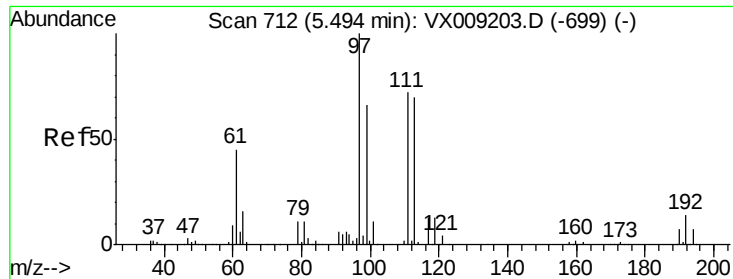
Tot Ion: 65 Resp: 128513
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009456.D
 Acq: 10 May 2019 03:03

Tgt Ion: 114 Resp: 311888
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.188 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

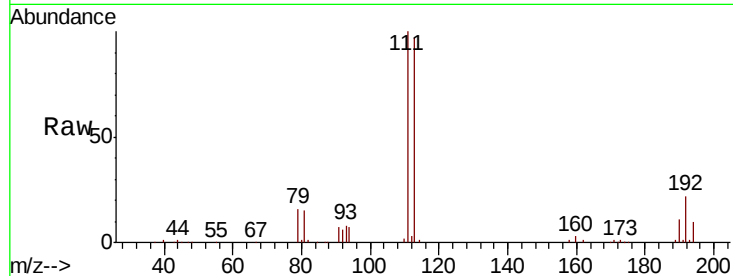
Tot Ion:113 Resp: 94480

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

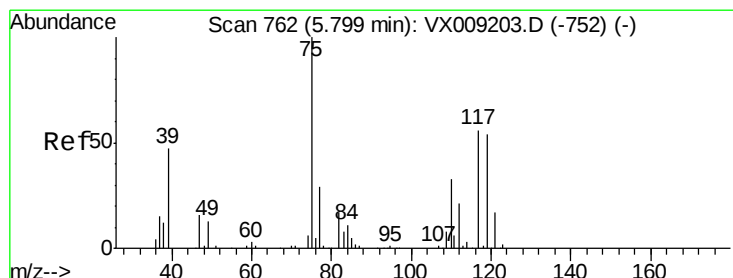
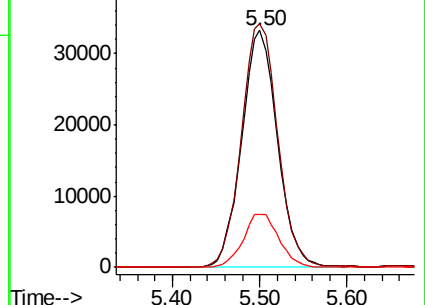
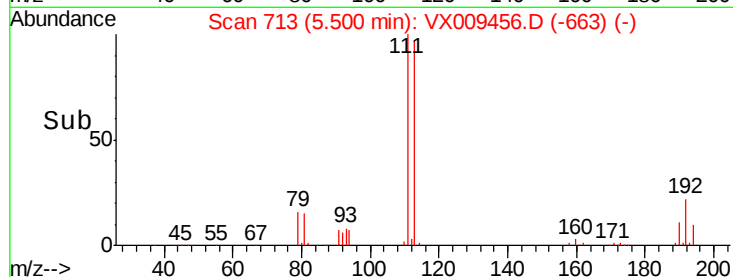
192 22.4 17.0 25.6



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: 5.204 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

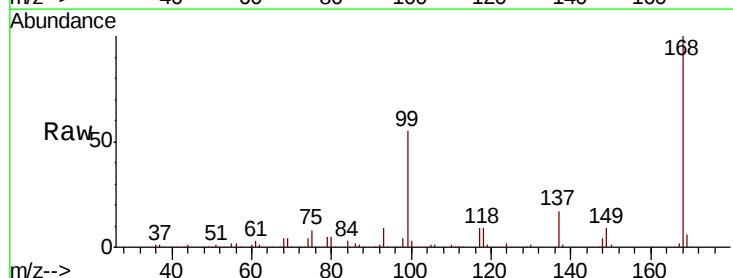
Tgt Ion: 75 Resp: 15084

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

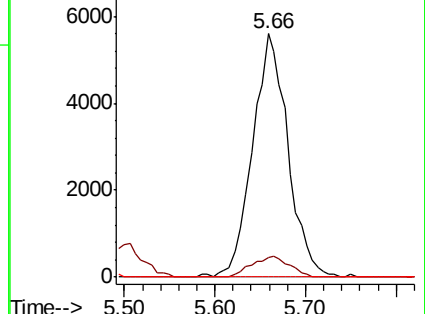
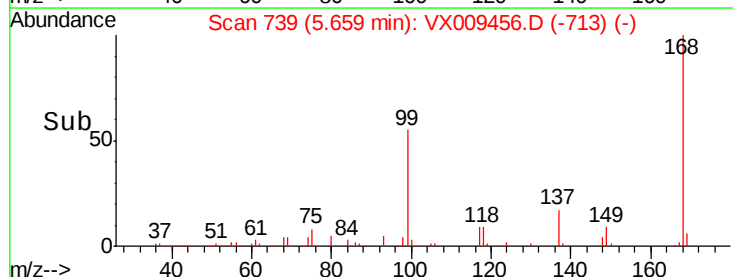
77 0.0 24.8 37.2#

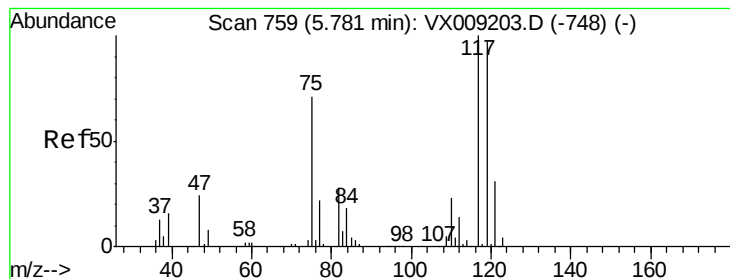


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.851 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

ClientSampled :

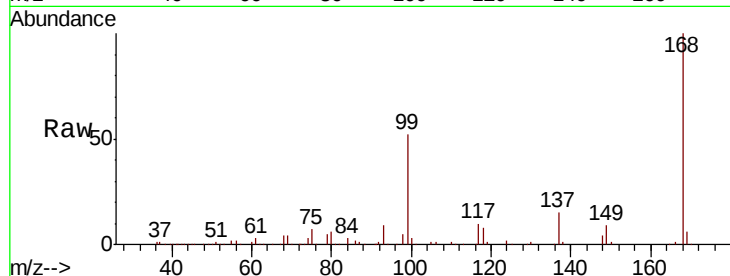
Tot Ion:117 Resp: 18041

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

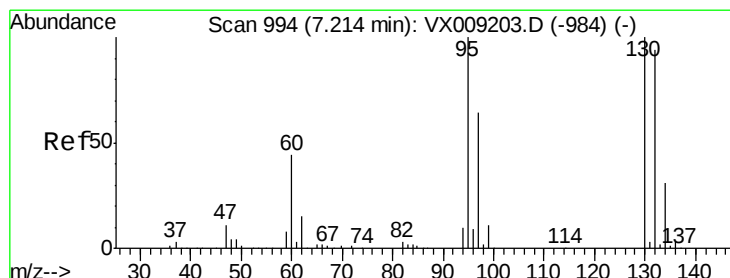
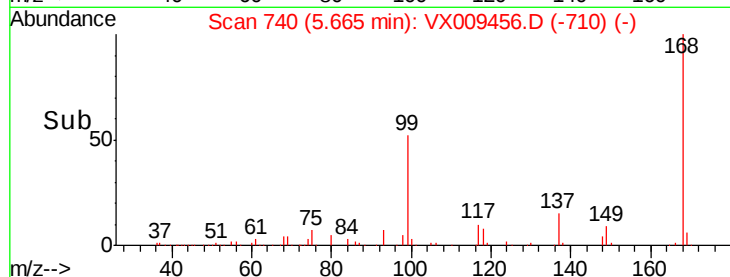
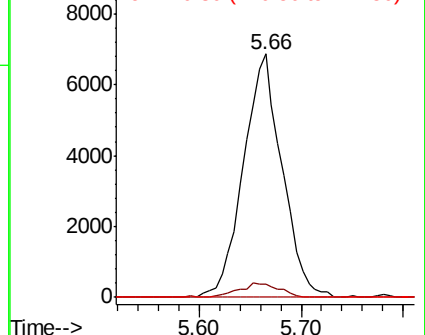
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.204 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009456.D

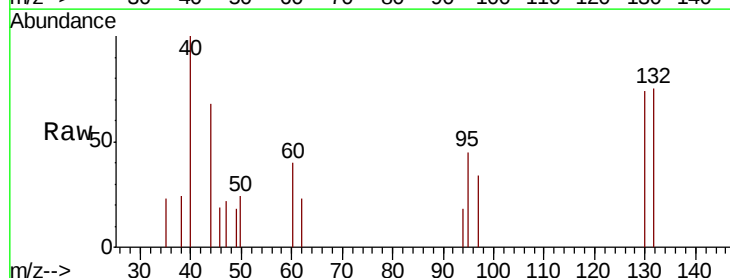
Acq: 10 May 2019 03:03

Tgt Ion:130 Resp: 442

Ion Ratio Lower Upper

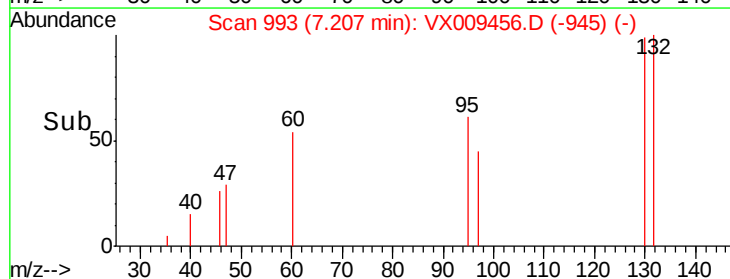
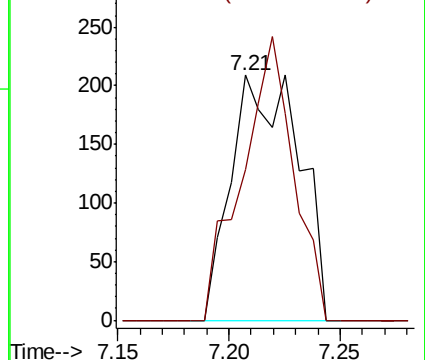
130 100

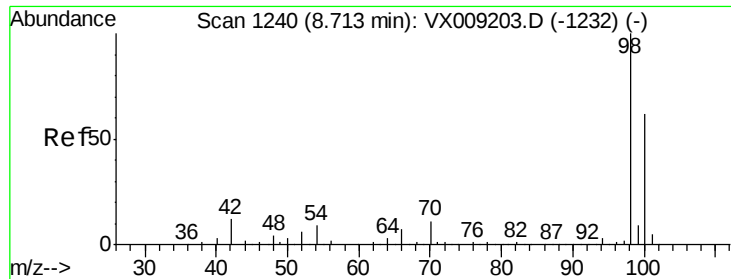
95 61.2 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

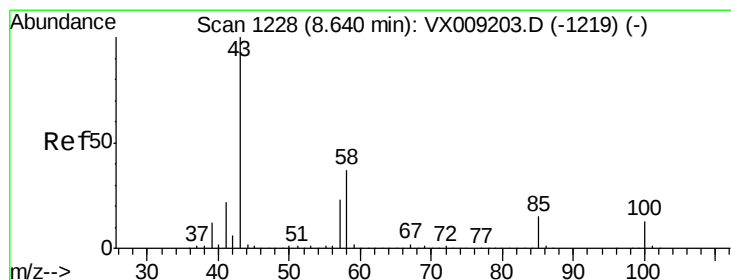
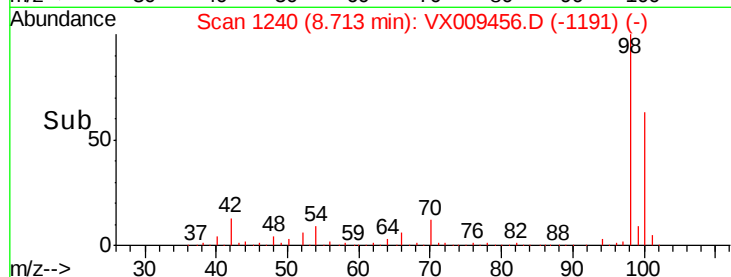
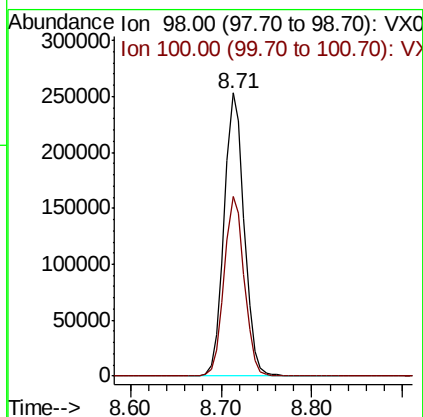
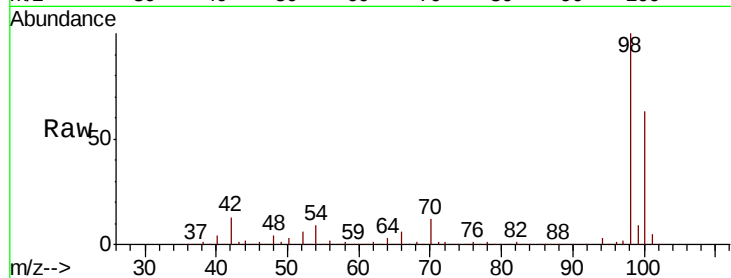




#50
Toluene-d8
Concen: 49.192 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009456.D
Acq: 10 May 2019 03:03

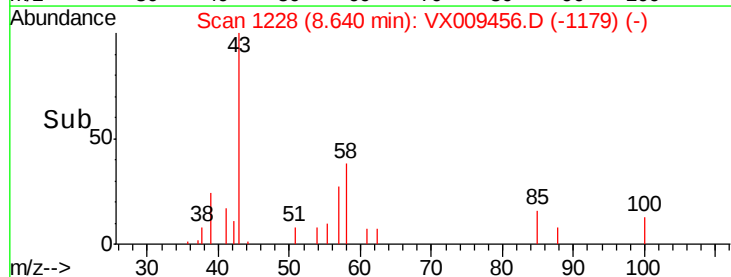
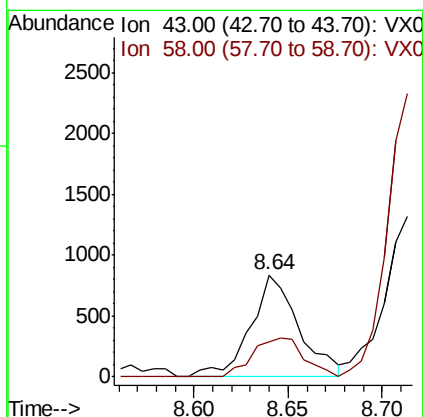
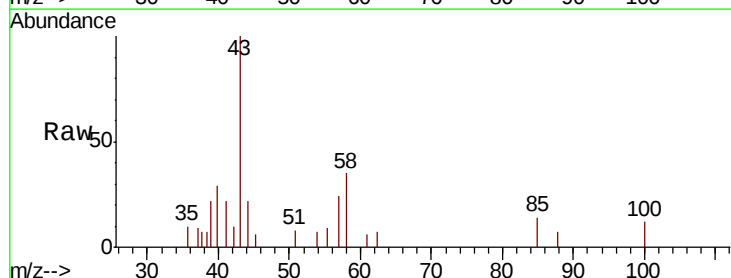
Instrument :
MSVOA_X
ClientSampled :

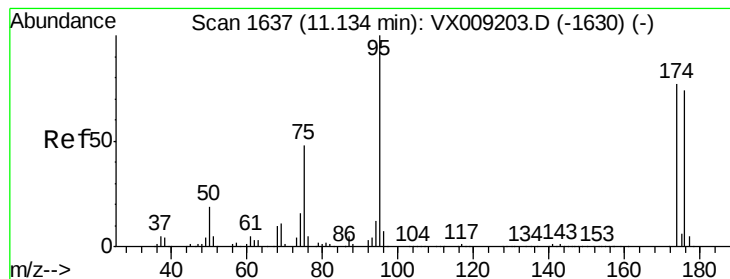
Tot Ion: 98 Resp: 389389
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.352 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009456.D
Acq: 10 May 2019 03:03

Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
58 40.4 29.5 44.3





#62

4-Bromofluorobenzene

Concen: 44.864 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

ClientSampled :

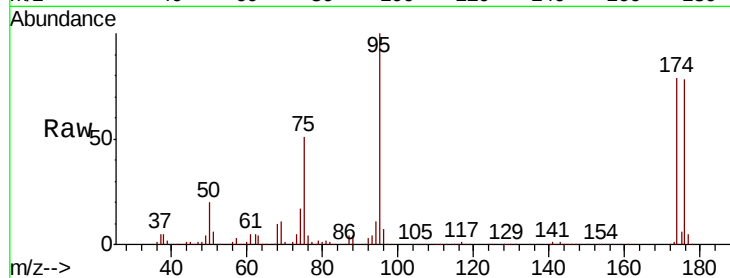
Tot Ion: 95 Resp: 129041

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

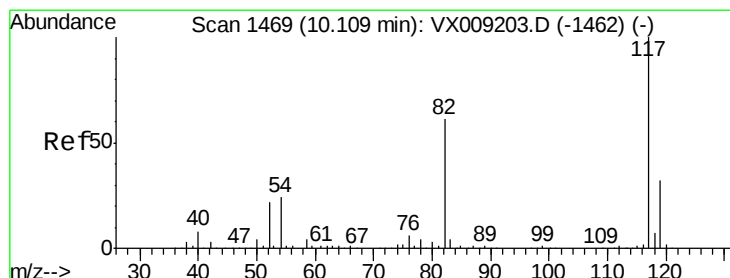
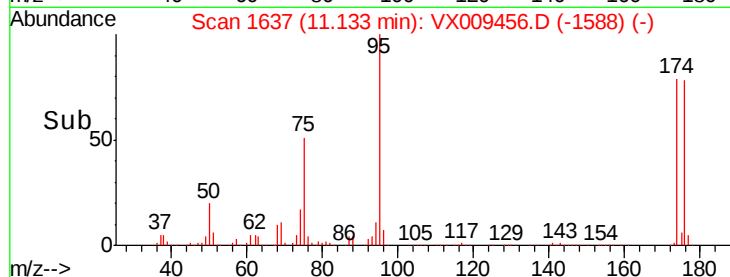
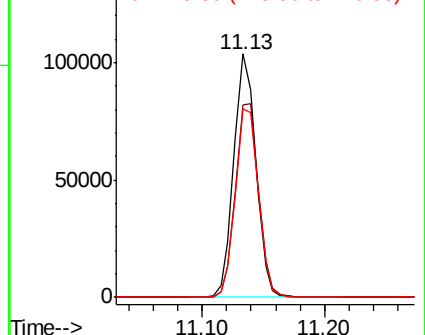
176 80.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009456.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009456.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009456.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

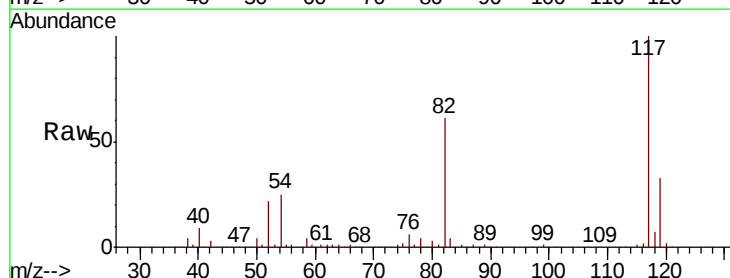
Tgt Ion: 117 Resp: 273685

Ion Ratio Lower Upper

117 100

82 61.3 48.8 73.2

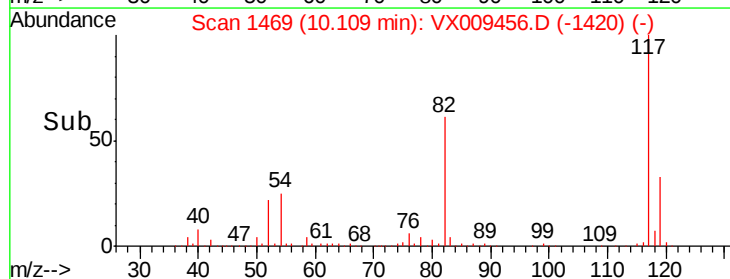
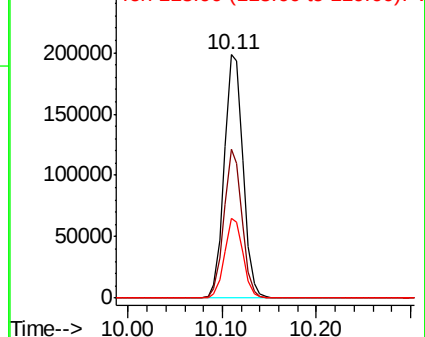
119 32.9 25.8 38.6

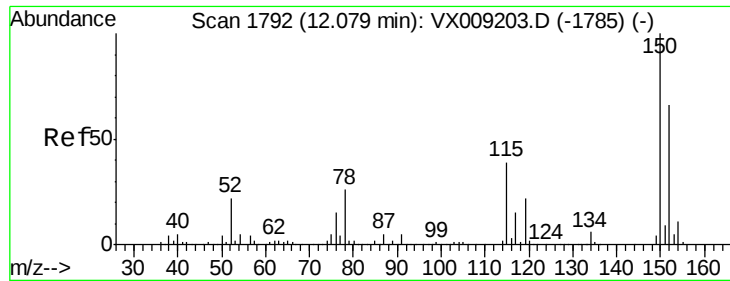


Abundance Ion 116.90 (116.60 to 117.60): VX009456.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009456.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009456.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

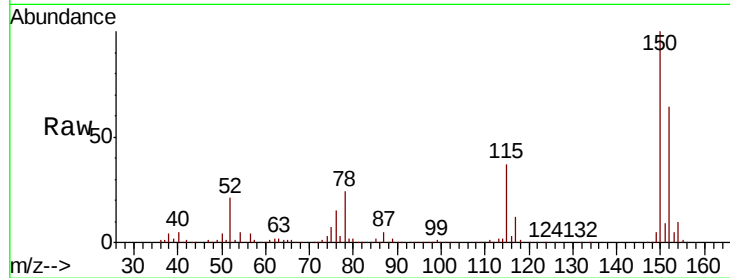
Tot Ion:152 Resp: 118778

Ion Ratio Lower Upper

152 100

115 58.6 41.2 123.6

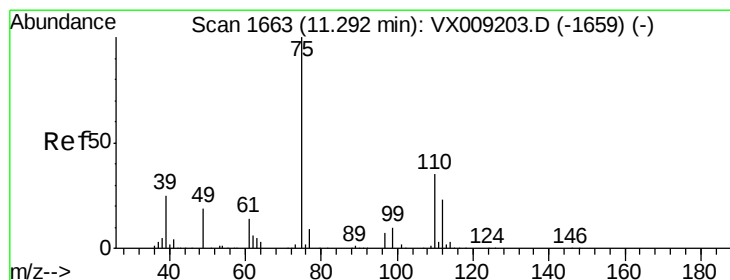
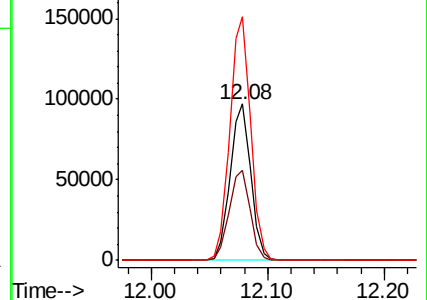
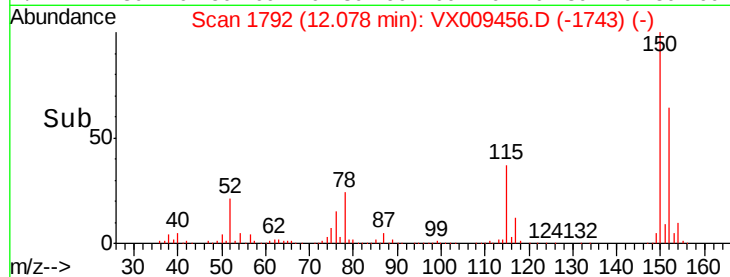
150 156.9 0.0 346.4



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: 23.857 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009456.D

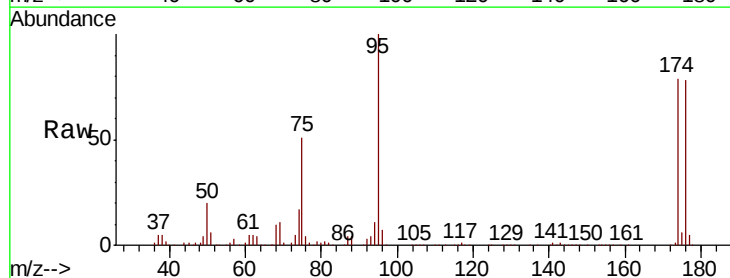
Acq: 10 May 2019 03:03

Tgt Ion: 75 Resp: 65731

Ion Ratio Lower Upper

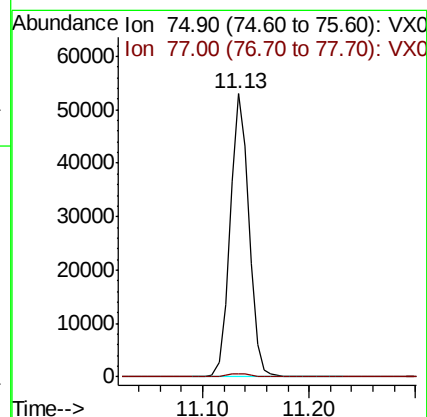
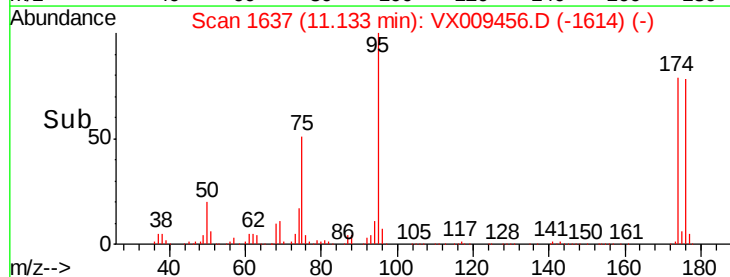
75 100

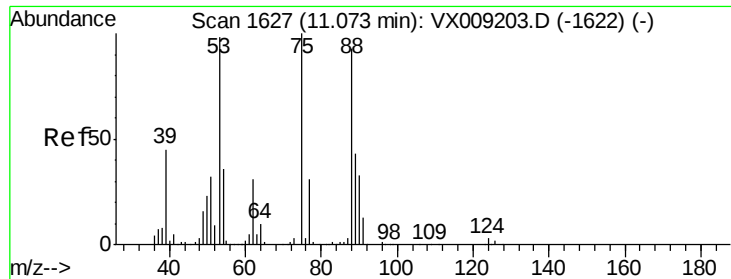
77 1.3 22.1 66.1#



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: 61.041 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009456.D

Acq: 10 May 2019 03:03

Instrument :

MSVOA_X

ClientSampleId :

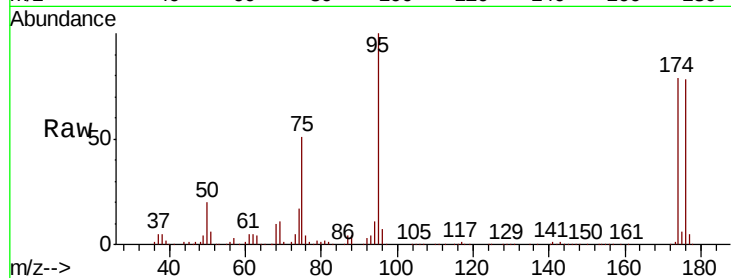
Tot Ion: 75 Resp: 65731

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#



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

