

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009332.D
 Acq On : 04 May 2019 00:03
 Operator : JC/SP
 Sample : K2663-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0517-190429

Quant Time: May 04 00:51:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	190750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113235	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	128156	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
35) Dibromofluoromethane	5.50	113	95822	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	8.71	98	385610	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.13	95	125884	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

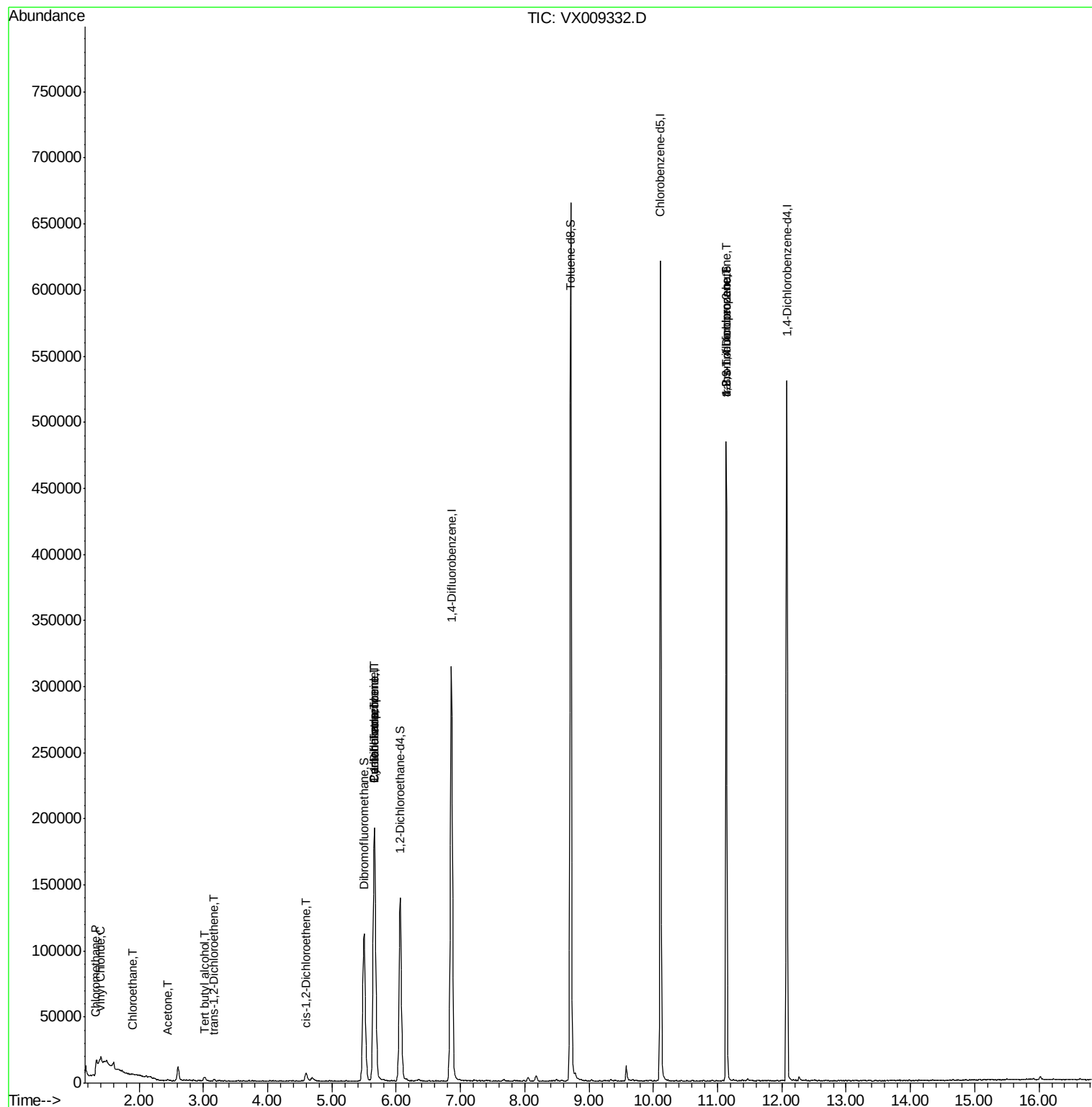
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1034	0.431	ug/l #	84
4) Vinyl Chloride	1.40	62	3380	1.444	ug/l #	82
6) Chloroethane	1.90	64	421	0.280	ug/l #	51
11) Tert butyl alcohol	3.02	59	1886	3.129	ug/l #	84
16) Acetone	2.44	43	1128	0.807	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	396	0.204	ug/l #	78
27) cis-1,2-Dichloroethene	4.60	96	3830	1.653	ug/l	90
28) Bromochloromethane	5.03	49	19	Below Cal	#	20
31) Cyclohexane	5.66	56	4373	1.136	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15050	5.193	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18173	6.902	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	64350	24.499	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64350	62.684	ug/l #	10

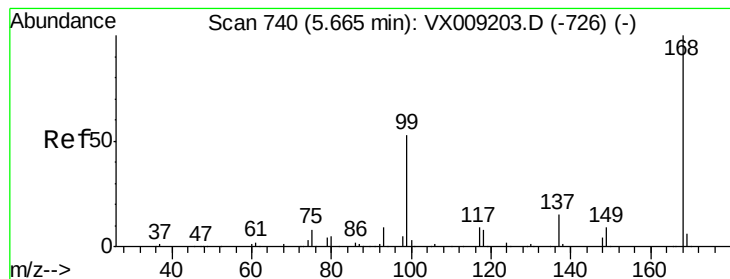
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 30 07:03:50 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

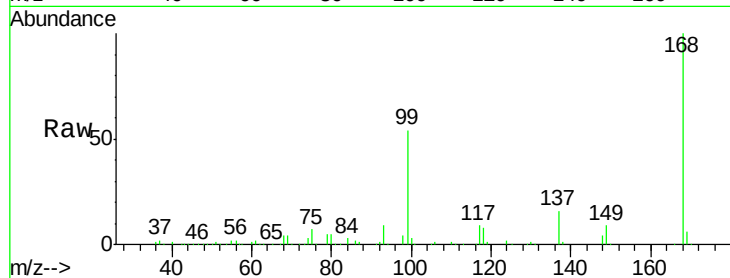
DUP-0517-190429

Tot Ion:168 Resp: 190750

Ion Ratio Lower Upper

168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

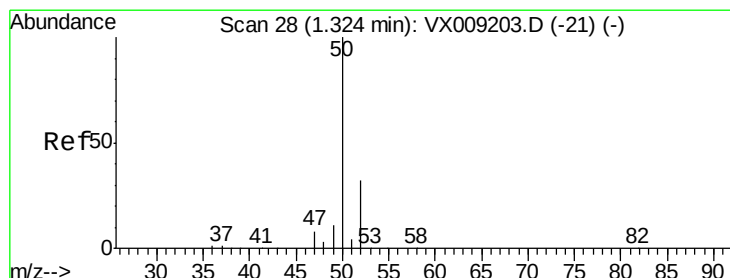
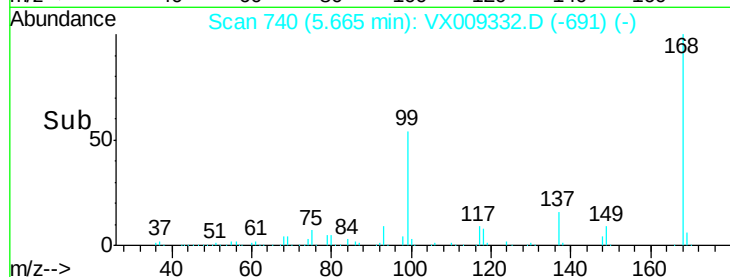
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.431 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009332.D

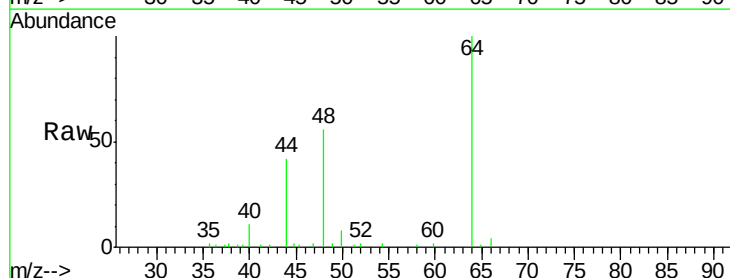
Acq: 04 May 2019 00:03

Tgt Ion: 50 Resp: 1034

Ion Ratio Lower Upper

50 100

52 23.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

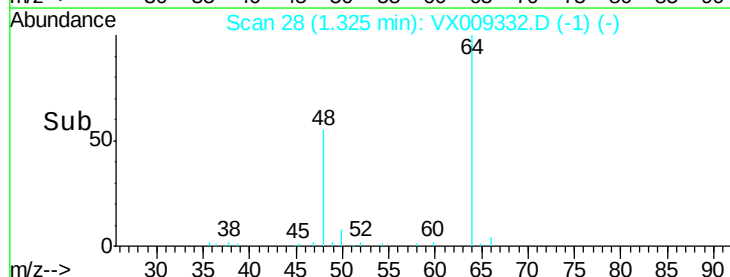
300

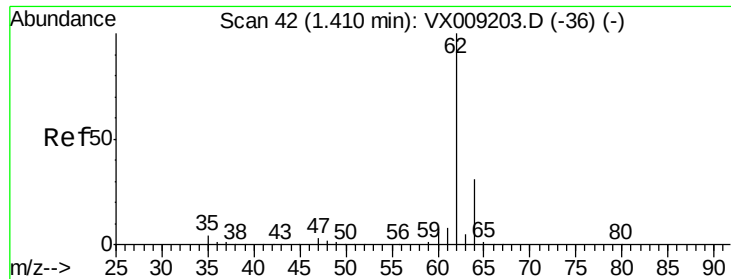
200

100

0

Time--> 1.25 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 1.444 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

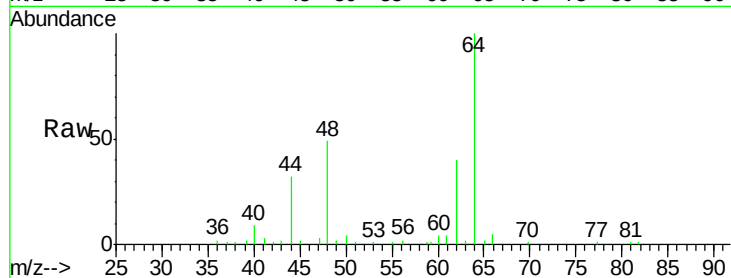
DUP-0517-190429

Tot Ion: 62 Resp: 3380

Ion Ratio Lower Upper

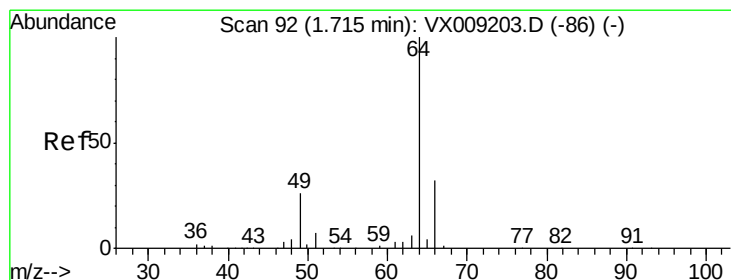
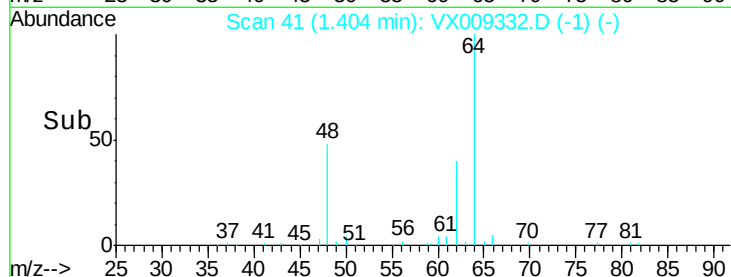
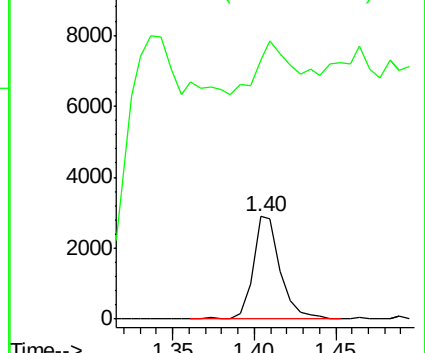
62 100

64 21.1 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.90 min Scan# 123

Delta R.T. 0.19 min

Lab File: VX009332.D

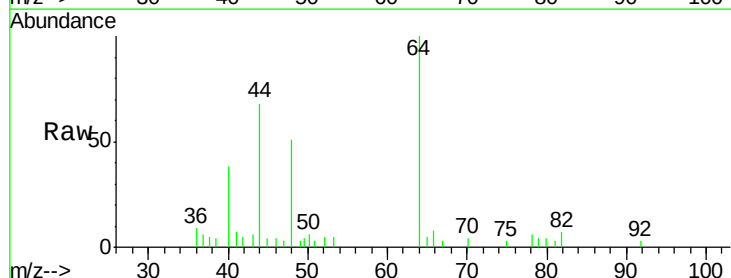
Acq: 04 May 2019 00:03

Tgt Ion: 64 Resp: 421

Ion Ratio Lower Upper

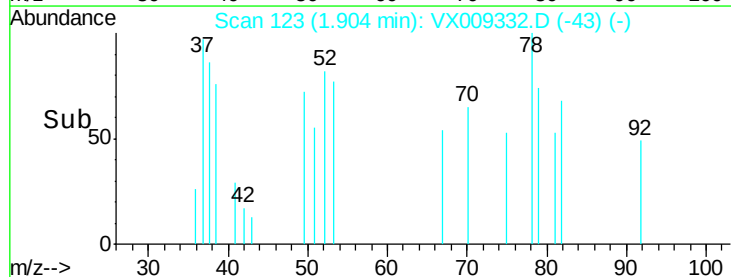
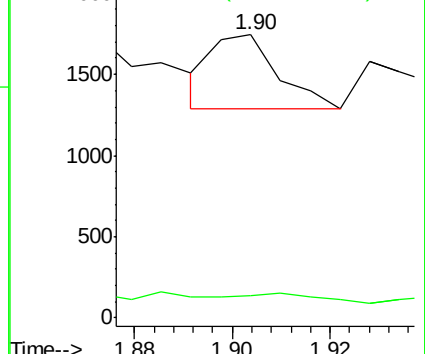
64 100

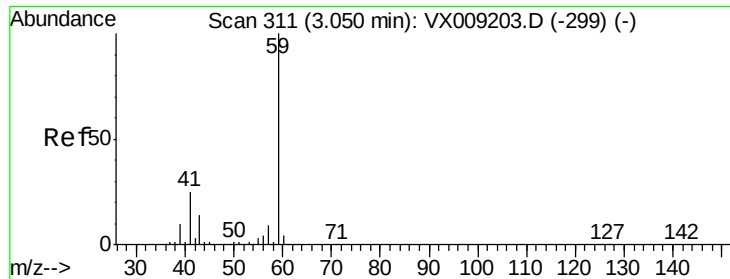
66 4.7 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

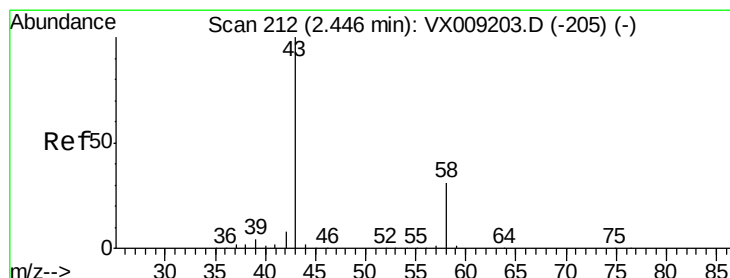
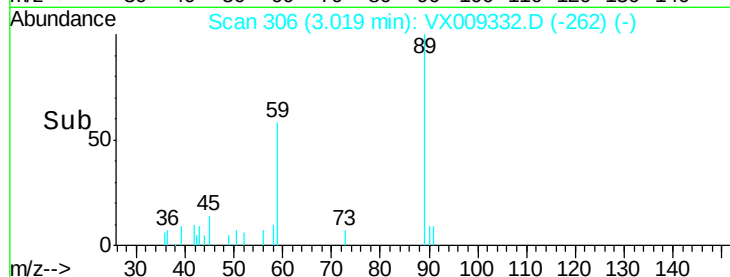
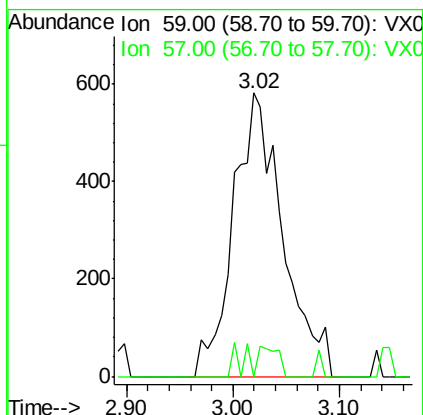
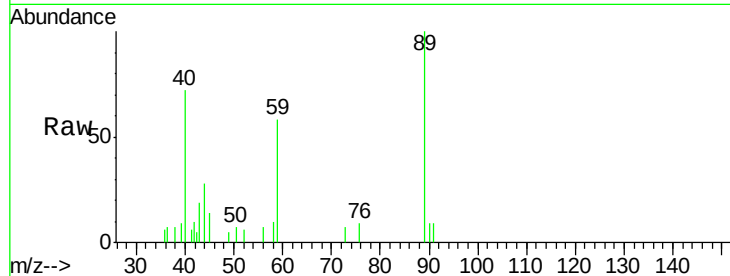




#11
Tert butyl alcohol
Concen: 3.129 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009332.D
Acq: 04 May 2019 00:03

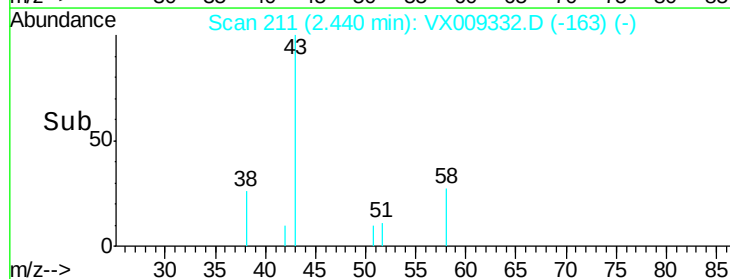
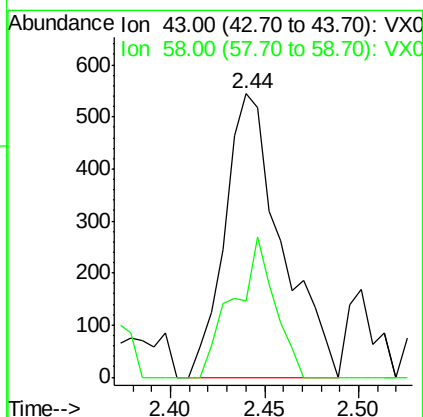
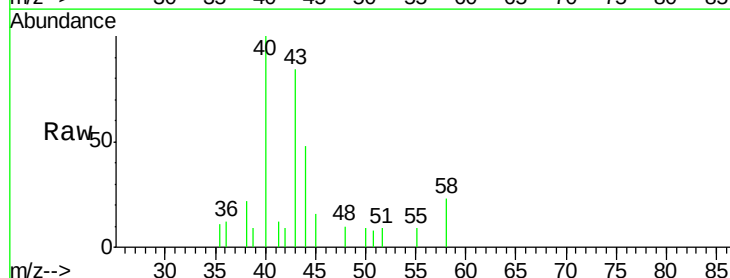
Instrument :
MSVOA_X
ClientSampleId :
DUP-0517-190429

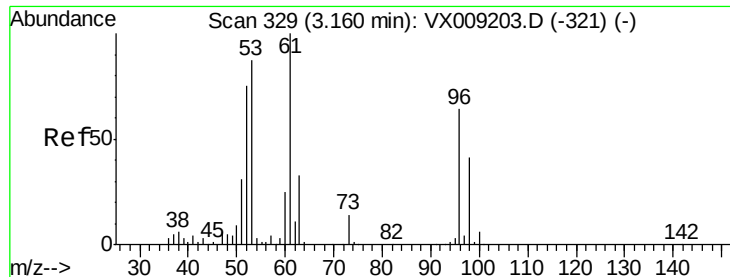
Tot Ion: 59 Resp: 1886
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.2#



#16
Acetone
Concen: 0.807 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009332.D
Acq: 04 May 2019 00:03

Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
58 27.0 24.9 37.3





#21

trans-1,2-Dichloroethene

Concen: 0.204 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

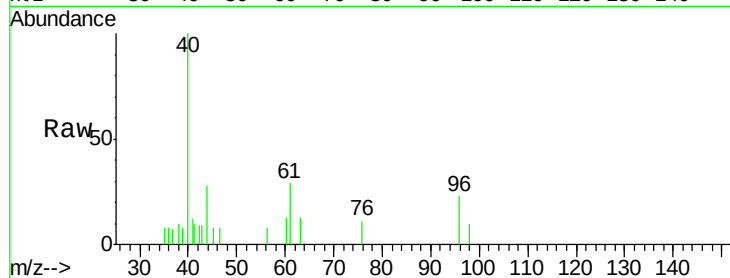
Tot Ion: 96 Resp: 396

Ion Ratio Lower Upper

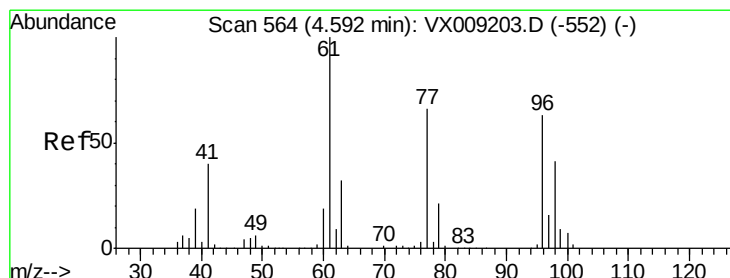
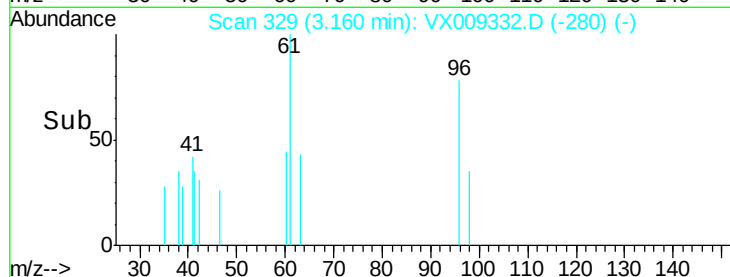
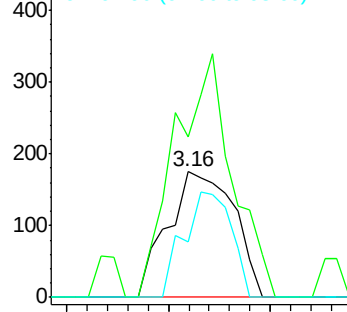
96 100

61 128.0 124.5 186.7

98 44.6 50.4 75.6#



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



#27

cis-1,2-Dichloroethene

Concen: 1.653 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

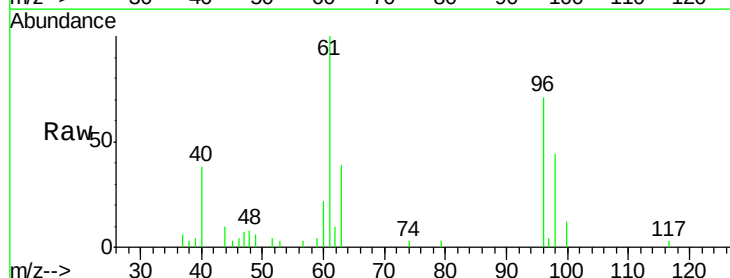
Tgt Ion: 96 Resp: 3830

Ion Ratio Lower Upper

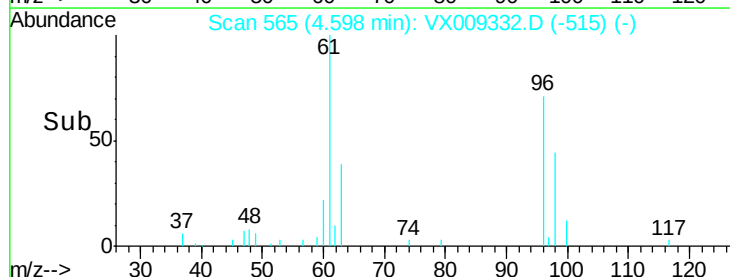
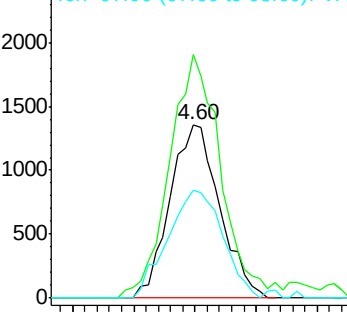
96 100

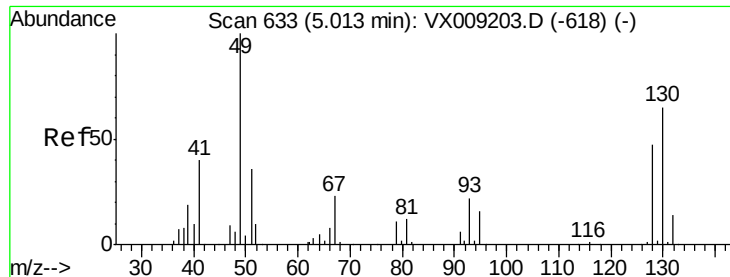
61 144.9 0.0 324.0

98 68.5 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# 635

Delta R.T. 0.01 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

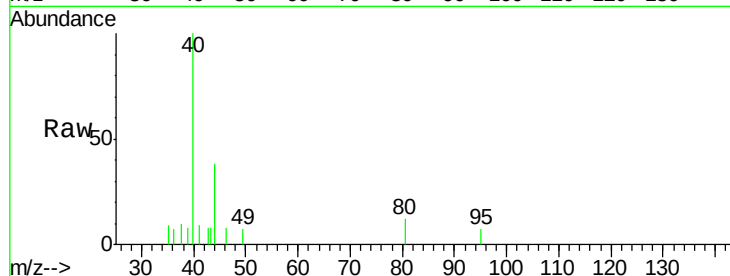
Tot Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

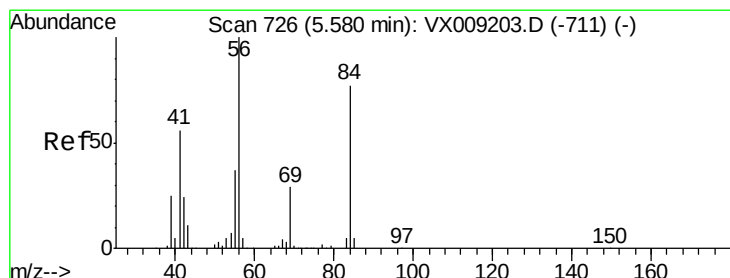
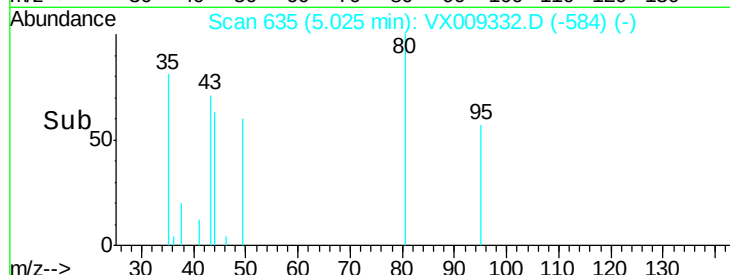
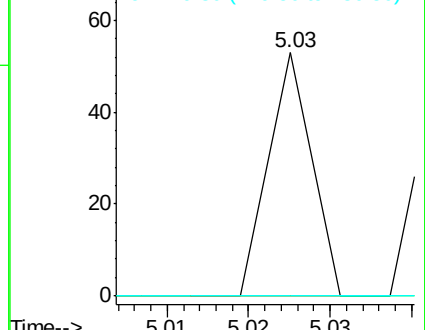
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.136 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

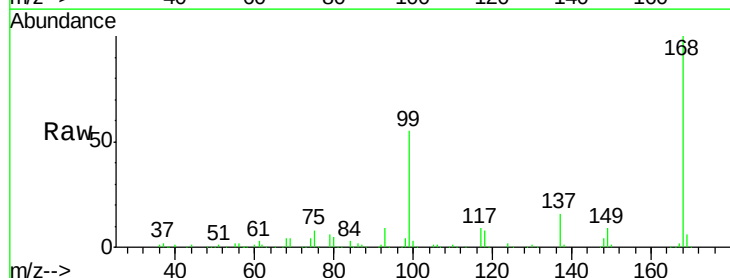
Tgt Ion: 56 Resp: 4373

Ion Ratio Lower Upper

56 100

69 174.6 23.4 35.0#

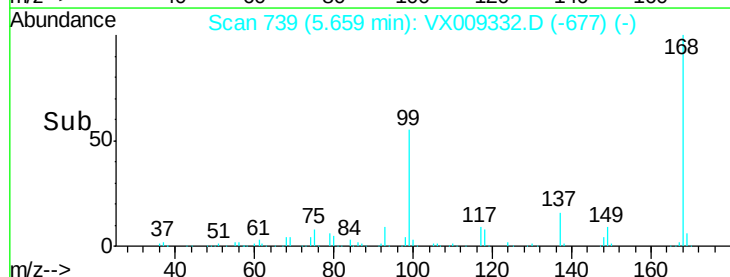
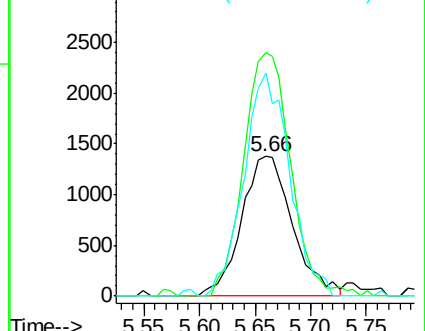
84 164.8 61.9 92.9#

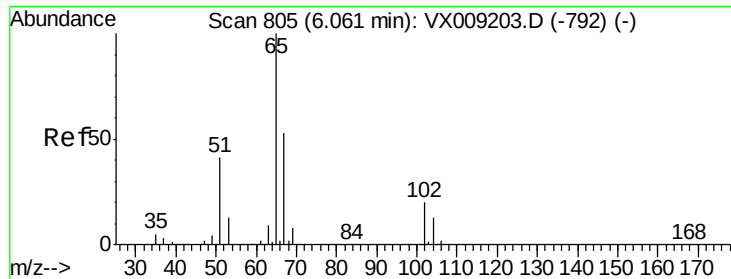


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

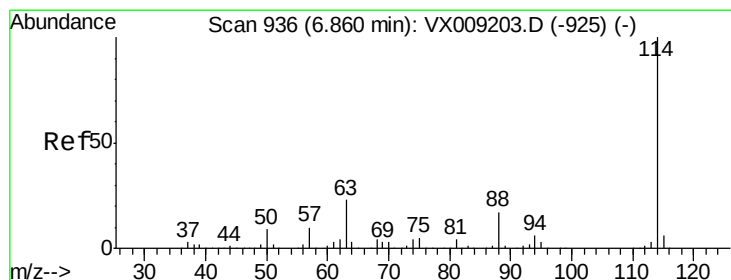
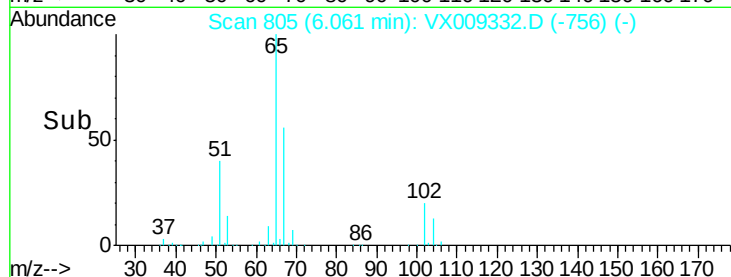
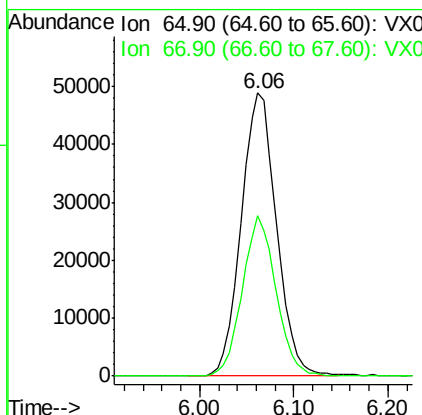
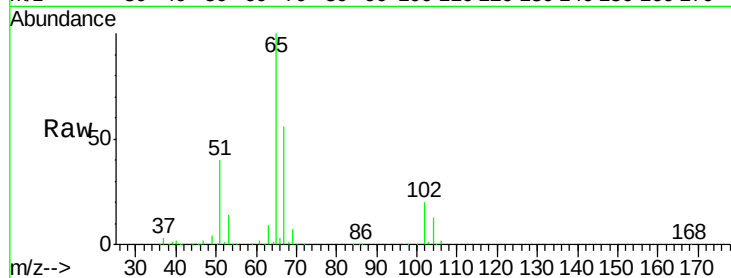




#33
 1,2-Dichloroethane-d4
 Concen: 49.216 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009332.D
 Acq: 04 May 2019 00:03

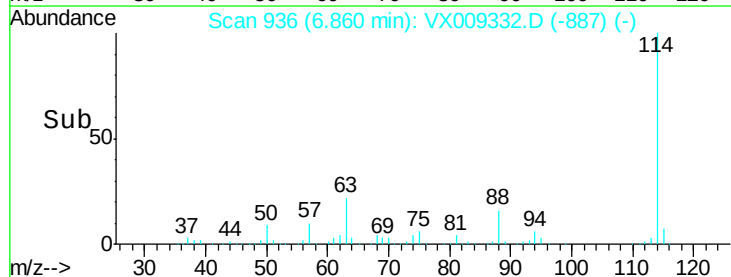
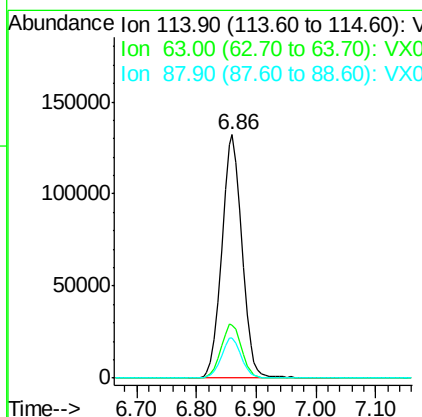
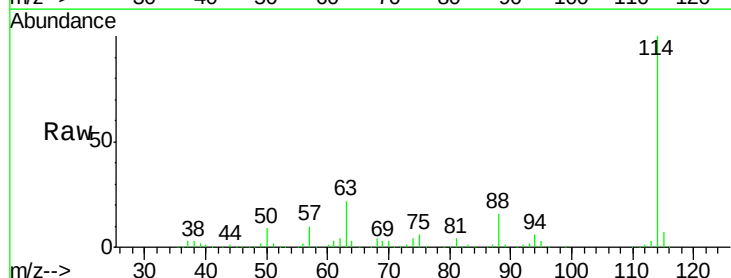
Instrument :
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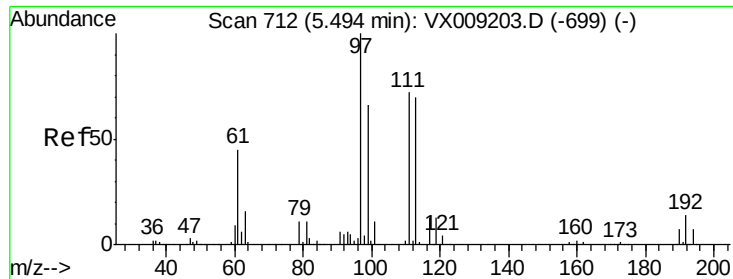
Tot Ion: 65 Resp: 128156
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009332.D
 Acq: 04 May 2019 00:03

Tgt Ion: 114 Resp: 311828
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 45.6
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.882 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

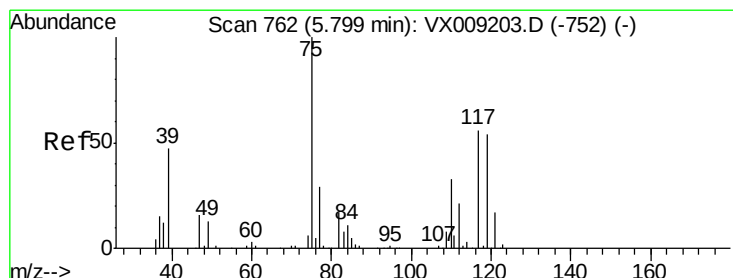
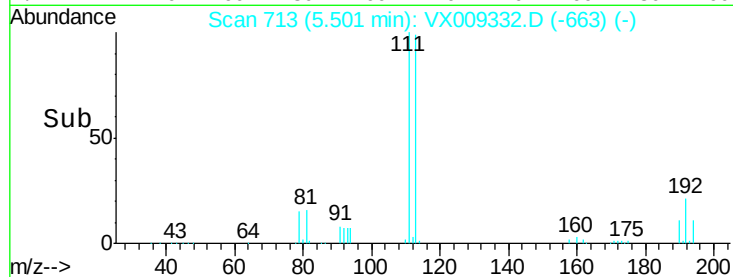
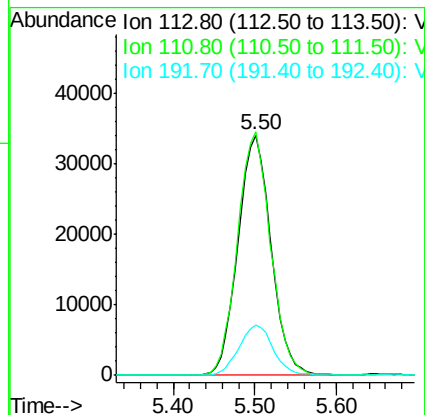
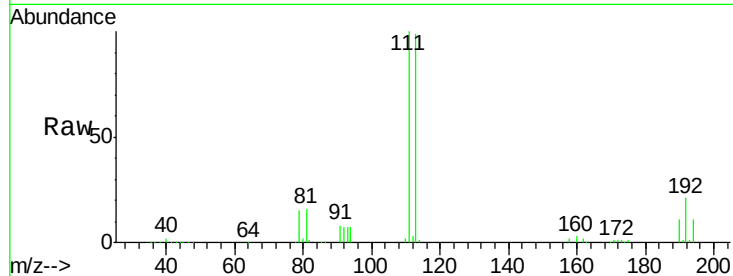
Tot Ion:113 Resp: 95822

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 21.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

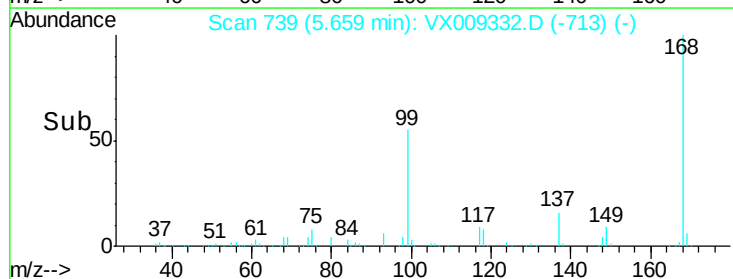
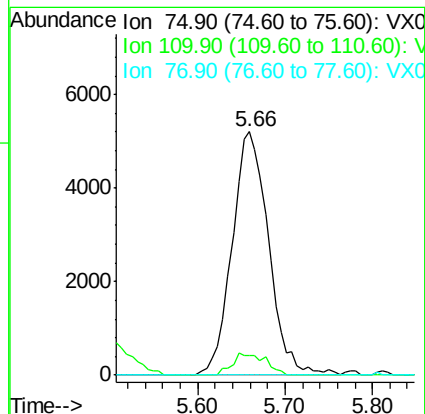
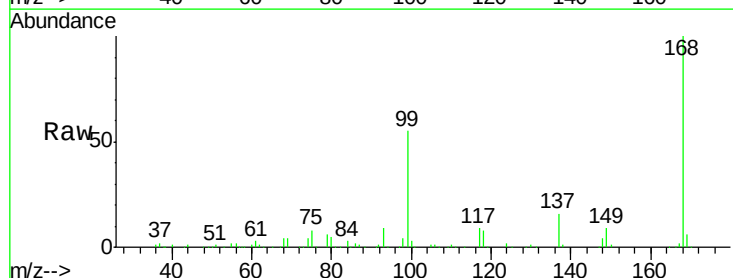
Tgt Ion: 75 Resp: 15050

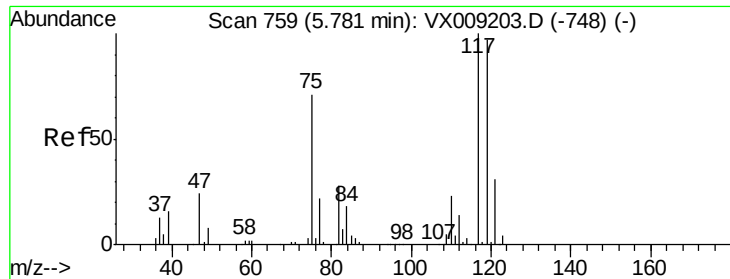
Ion Ratio Lower Upper

75 100

110 8.2 16.9 50.6#

77 0.0 24.8 37.2#

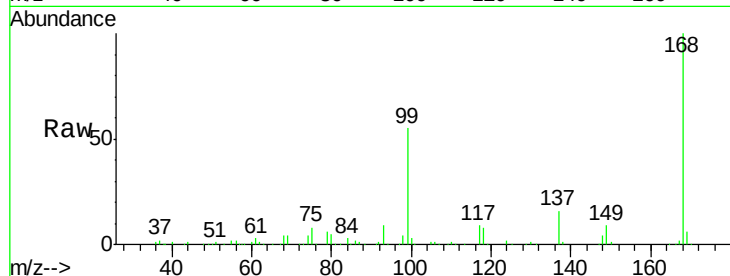




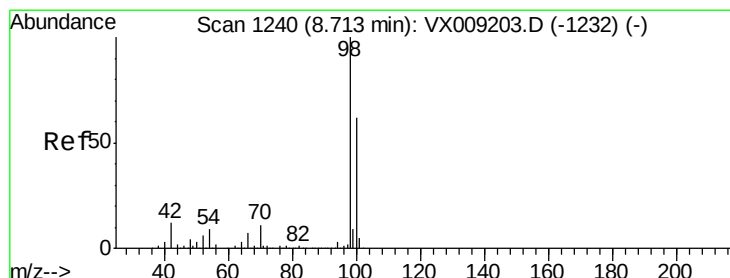
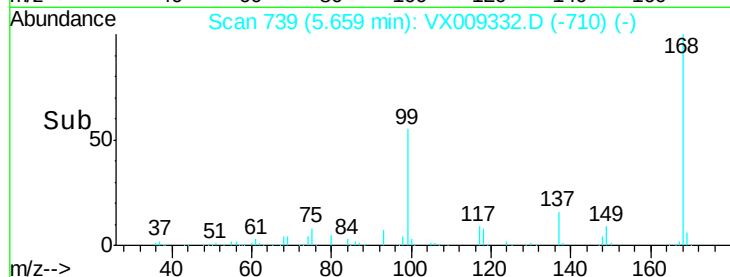
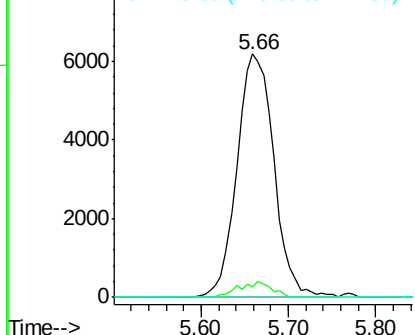
#38
Carbon Tetrachloride
Concen: 6.902 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009332.D
Acq: 04 May 2019 00:03

Instrument :
MSVOA_X
ClientSampleId :
DUP-0517-190429

Tot Ion:117 Resp: 18173
Ion Ratio Lower Upper
117 100
119 4.6 77.5 116.3#
121 0.0 24.7 37.1#

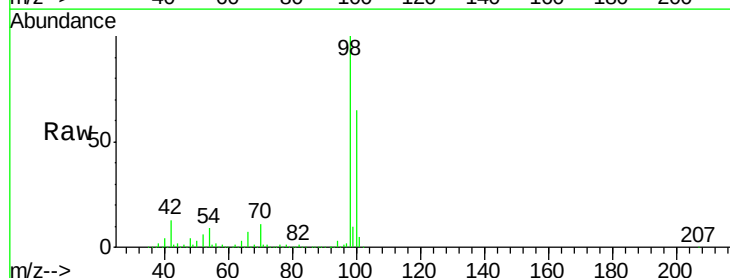


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

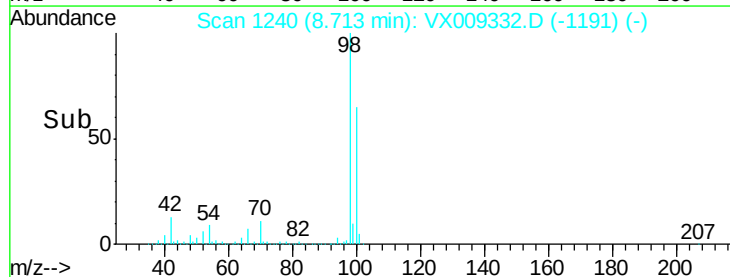
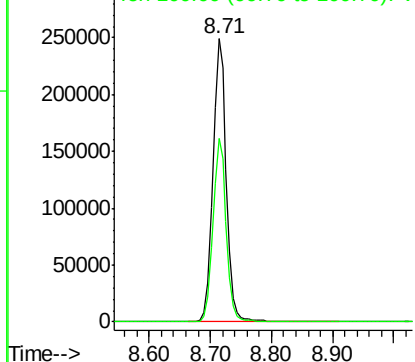


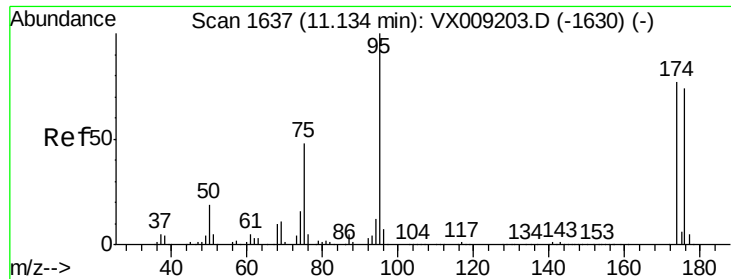
#50
Toluene-d8
Concen: 48.724 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009332.D
Acq: 04 May 2019 00:03

Tgt Ion: 98 Resp: 385610
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.775 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

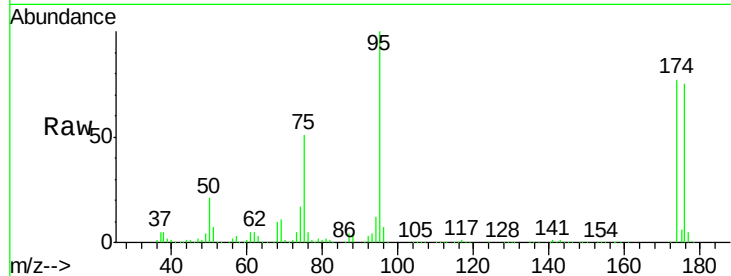
Tot Ion: 95 Resp: 125884

Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.6

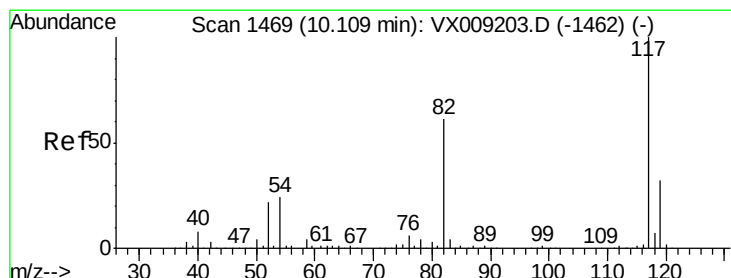
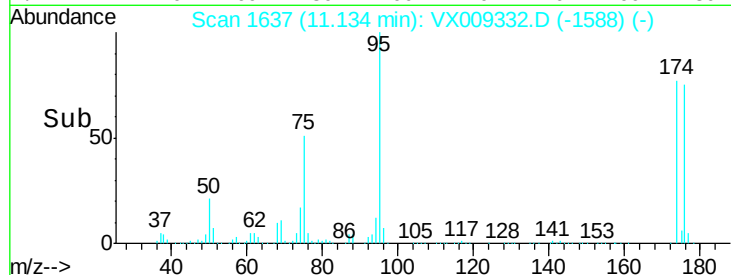
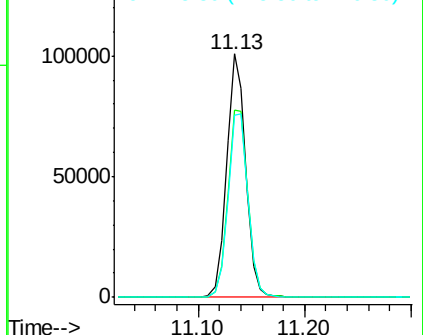
176 79.6 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009332.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009332.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009332.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

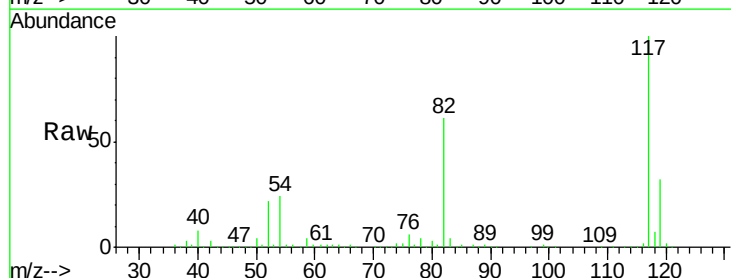
Tgt Ion: 117 Resp: 269266

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

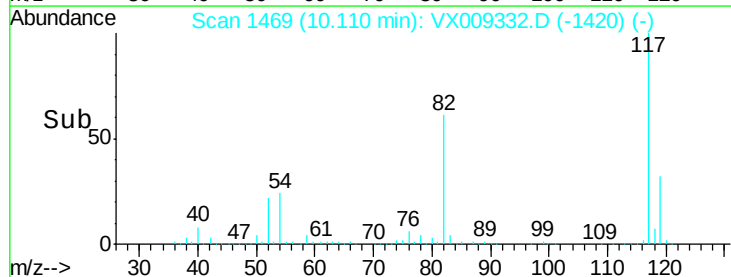
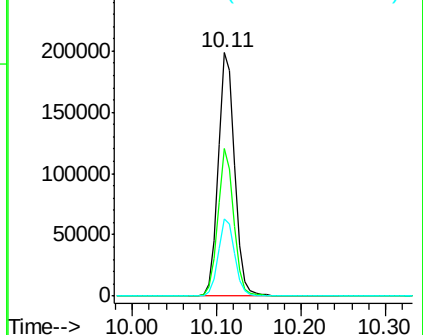
119 31.6 25.8 38.6

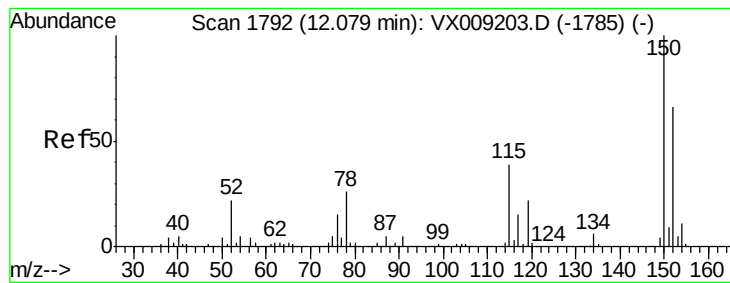


Abundance Ion 116.90 (116.60 to 117.60): VX009332.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009332.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009332.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: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

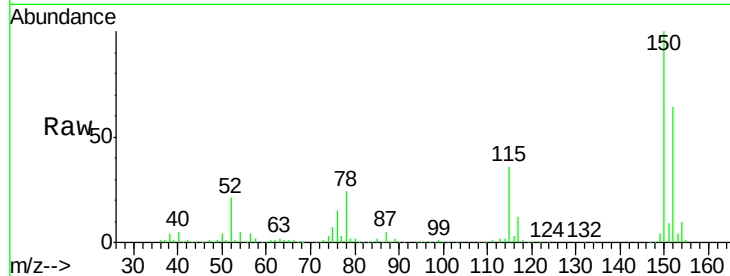
Tot Ion:152 Resp: 113235

Ion Ratio Lower Upper

152 100

115 58.1 41.2 123.6

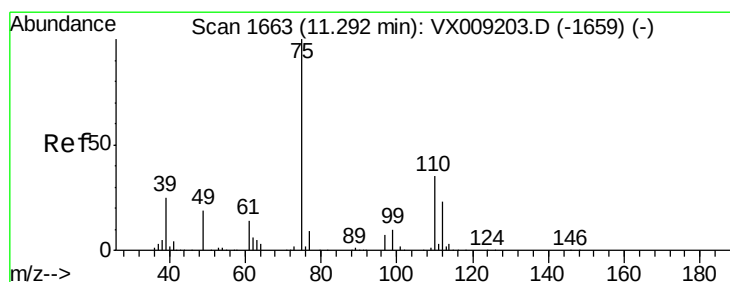
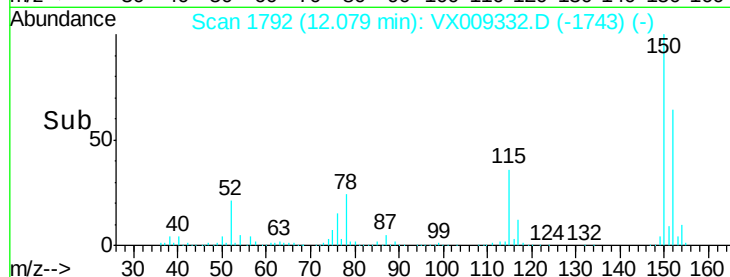
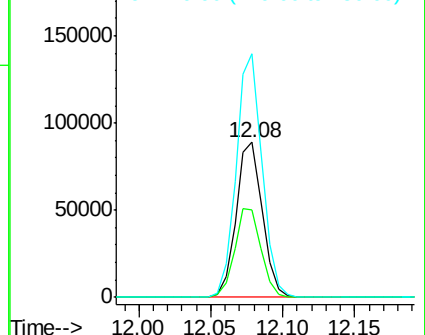
150 154.9 0.0 346.4



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: 24.499 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009332.D

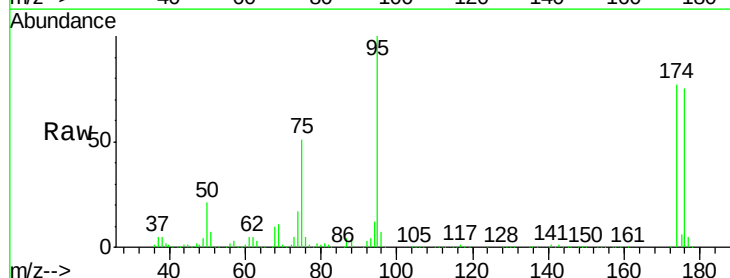
Acq: 04 May 2019 00:03

Tgt Ion: 75 Resp: 64350

Ion Ratio Lower Upper

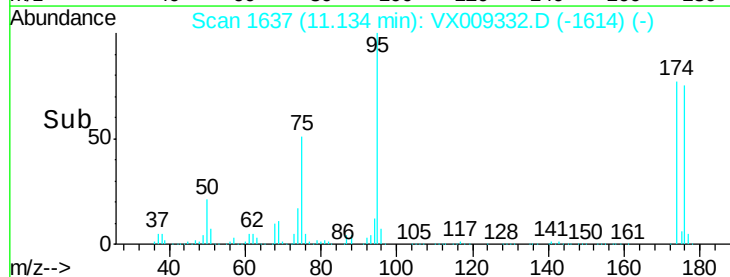
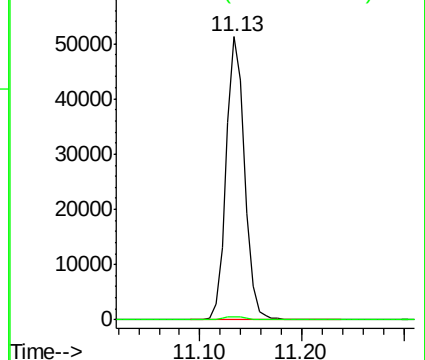
75 100

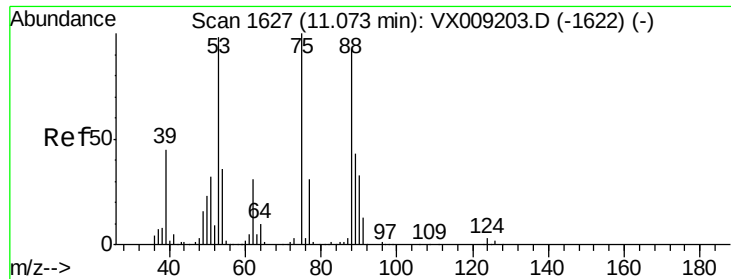
77 1.5 22.1 66.1#



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: 62.684 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009332.D

Acq: 04 May 2019 00:03

Instrument :

MSVOA_X

ClientSampleId :

DUP-0517-190429

Tot Ion: 75 Resp: 64350

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

