

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042919\
 Data File : VX009225.D
 Acq On : 29 Apr 2019 22:12
 Operator : JC/SP
 Sample : K2594-14 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0515-190423

Quant Time: Apr 30 07:22:20 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	5.66	168	211925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132859	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	139732	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.60%		
35) Dibromofluoromethane	5.50	113	103737	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.16%		
50) Toluene-d8	8.71	98	429627	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.66%		
62) 4-Bromofluorobenzene	11.13	95	145139	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.72%		

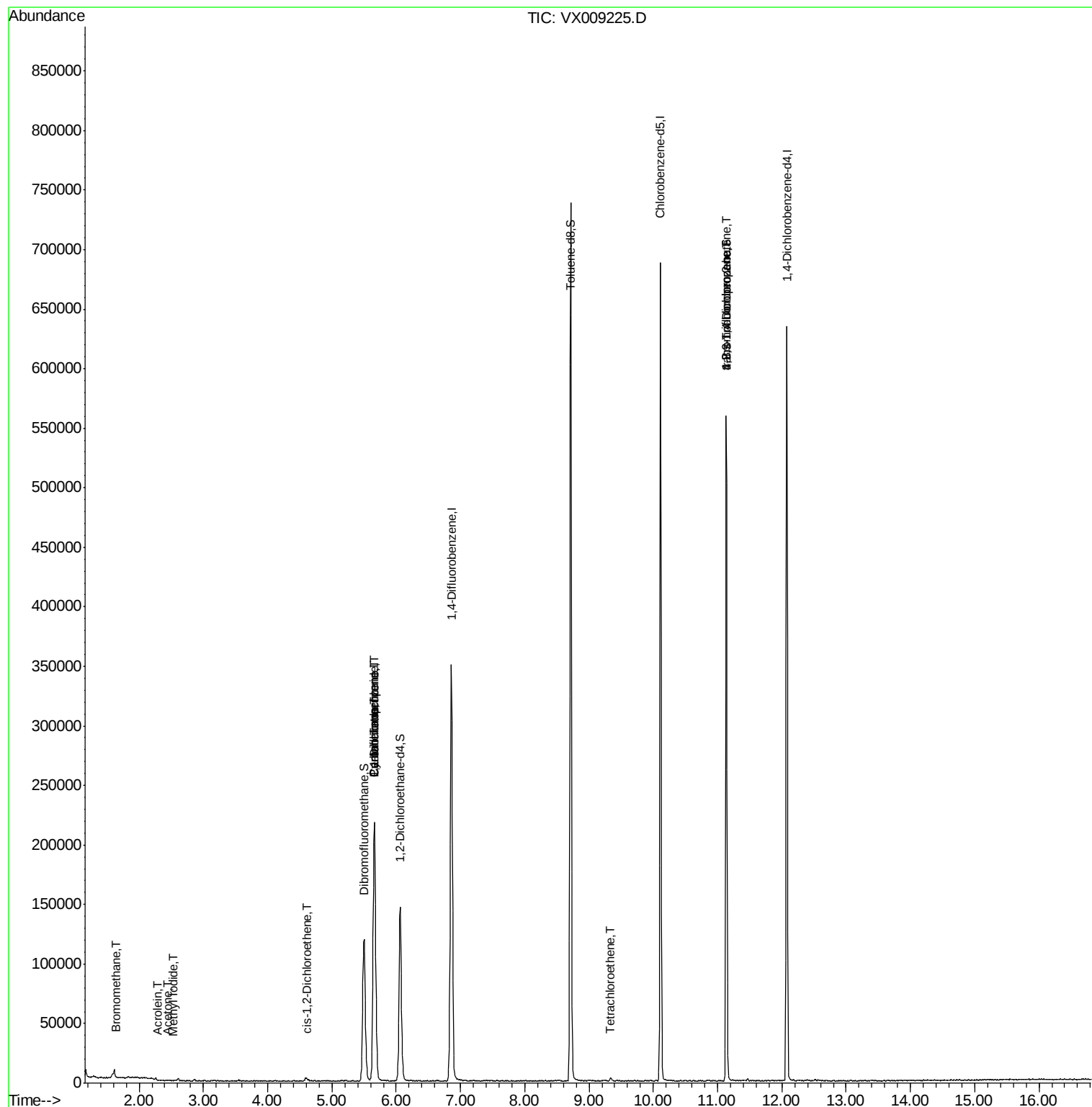
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	337	0.216	ug/l	84
10) Methyl Iodide	2.52	142	20	4.602	ug/l #	42
13) Acrolein	2.29	56	135	0.223	ug/l #	47
16) Acetone	2.44	43	858	0.552	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	1405	0.546	ug/l	97
28) Bromochloromethane	4.96	49	18	Below Cal	#	11
31) Cyclohexane	5.66	56	4792	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16518	5.179	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20146	6.953	ug/l #	16
64) Tetrachloroethene	9.34	164	499	0.240	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	73640	23.895	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	73640	61.138	ug/l #	10

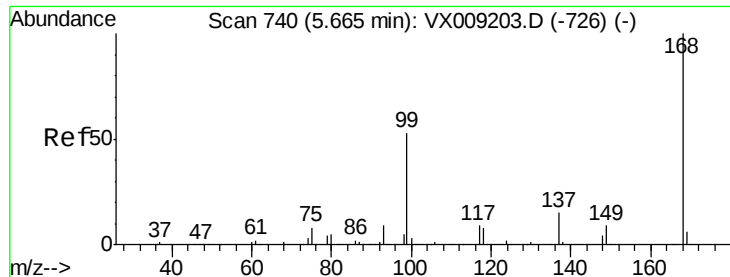
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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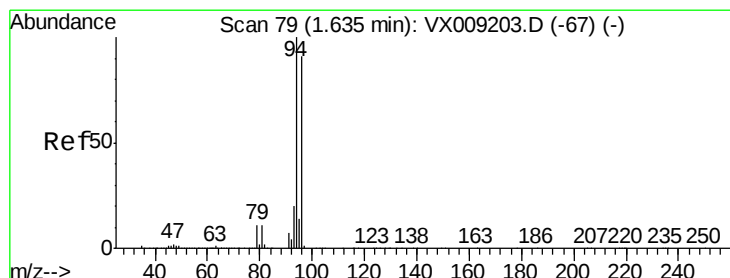
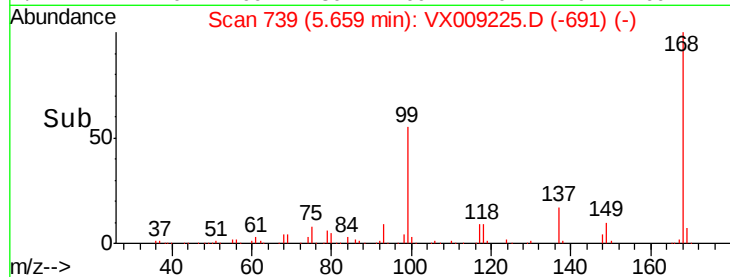
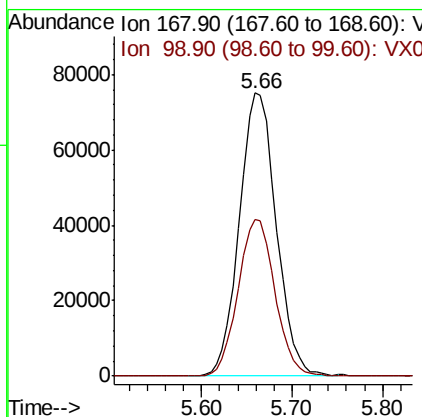
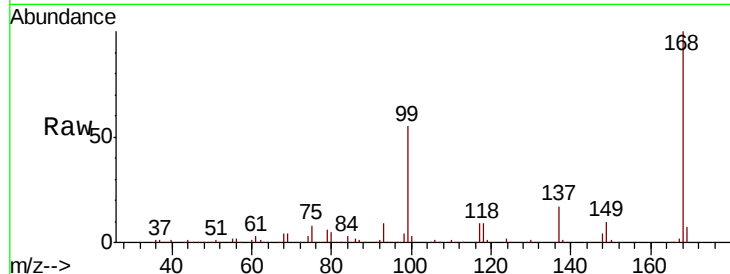




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

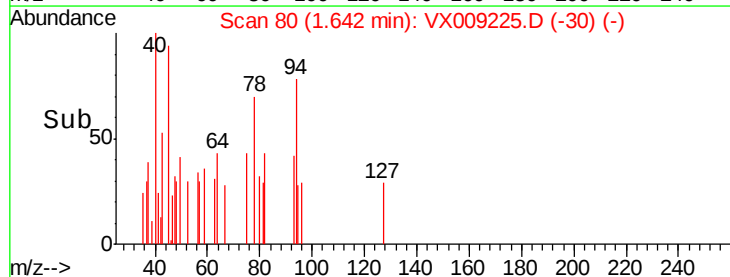
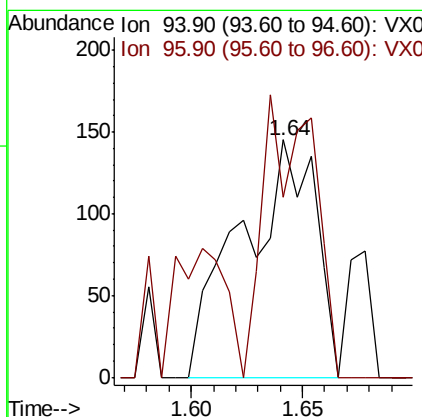
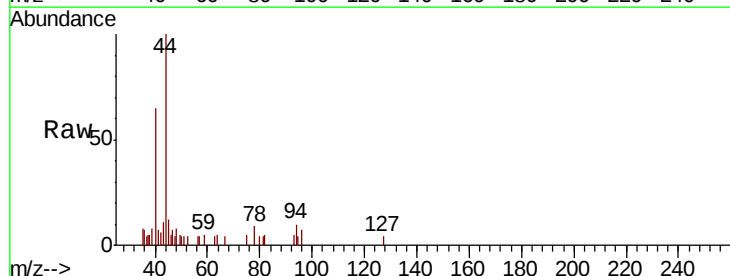
Instrument :
MSVOA_X
ClientSampleId :
DUP-0515-190423

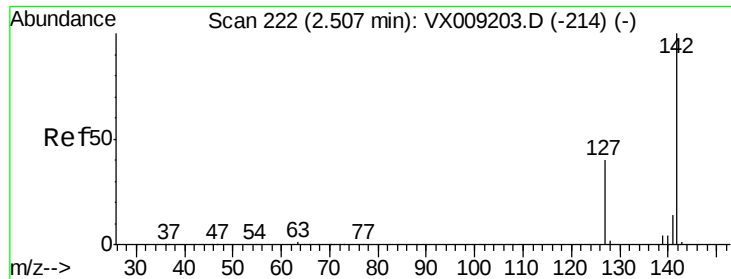
Tgt Ion: 168 Resp: 211925
Ion Ratio Lower Upper
168 100
99 55.3 42.3 63.5



#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.64 min Scan# 80
Delta R.T. 0.01 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 75.9 73.0 109.6

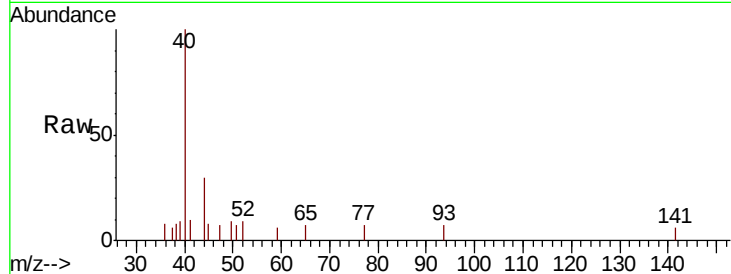




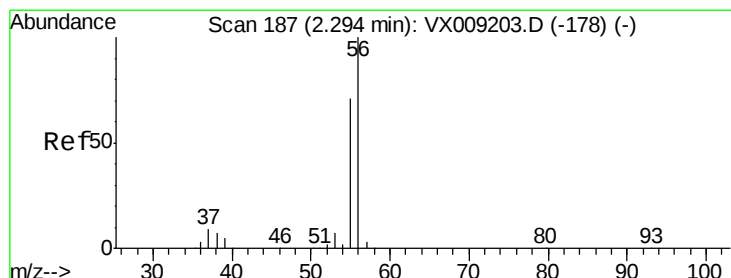
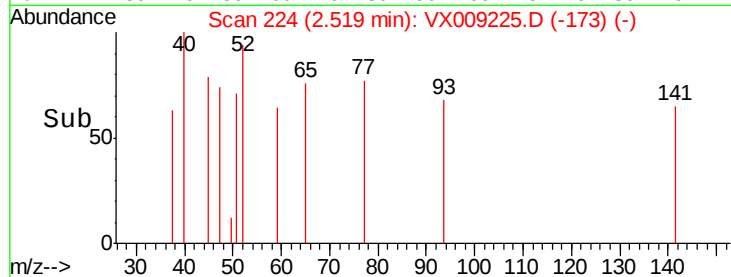
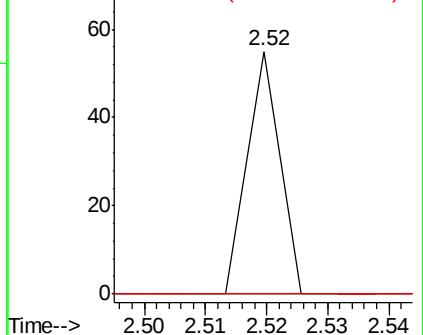
#10
Methyl Iodide
Concen: 4.602 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
DUP-0515-190423

Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

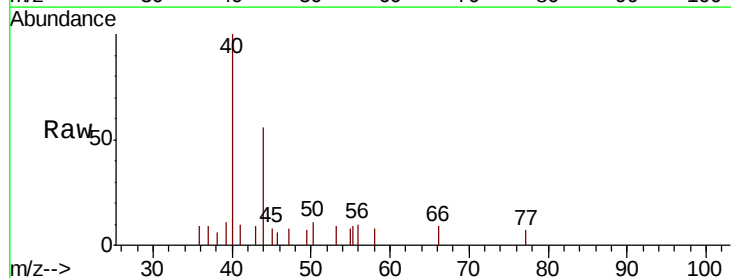


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

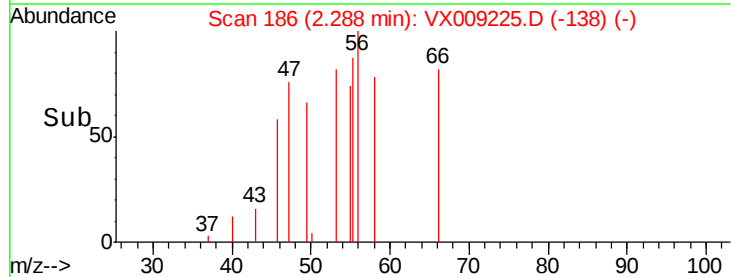
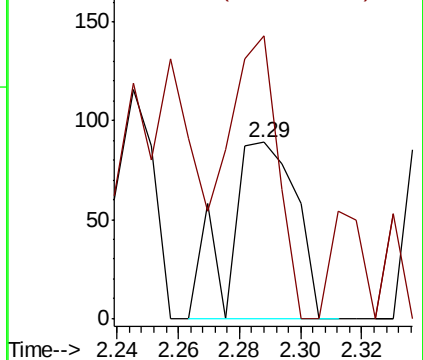


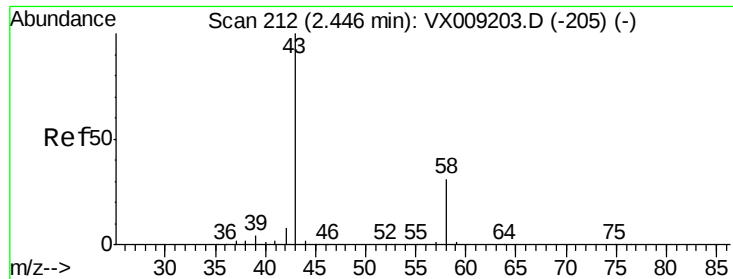
#13
Acrolein
Concen: 0.223 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 114.8 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.552 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

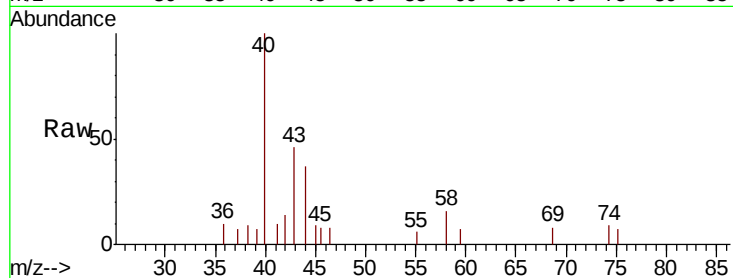
DUP-0515-190423

Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

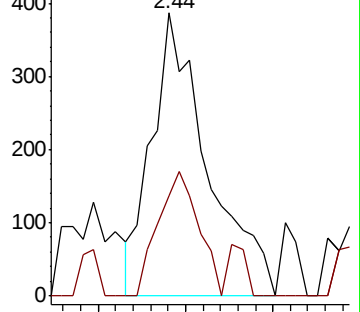
43 100

58 35.4 24.9 37.3

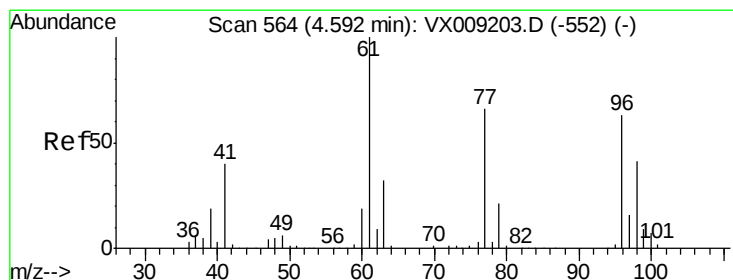
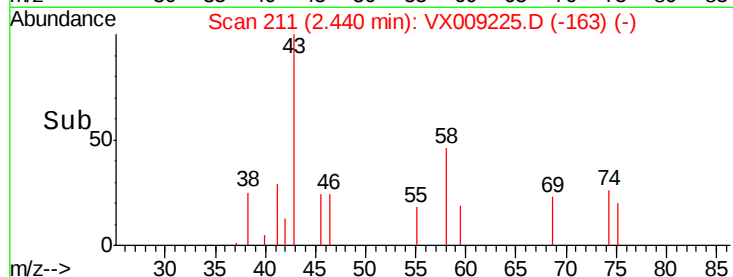


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.546 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

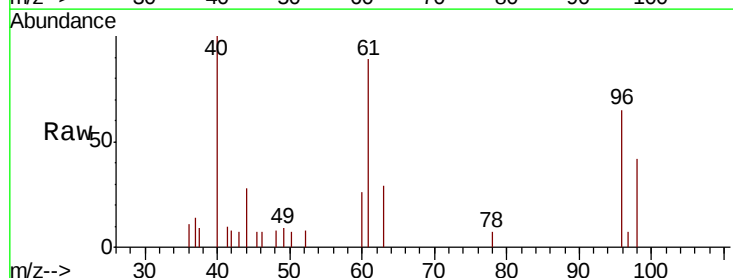
Tgt Ion: 96 Resp: 1405

Ion Ratio Lower Upper

96 100

61 166.7 0.0 324.0

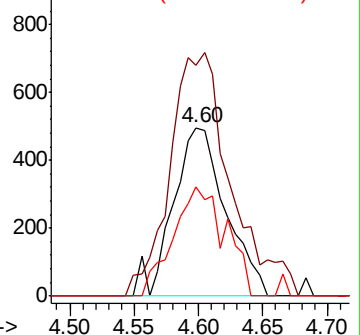
98 64.9 0.0 130.4



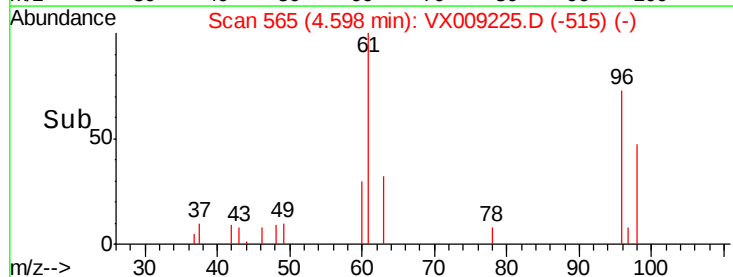
Abundance Ion 95.90 (95.60 to 96.60): VX0

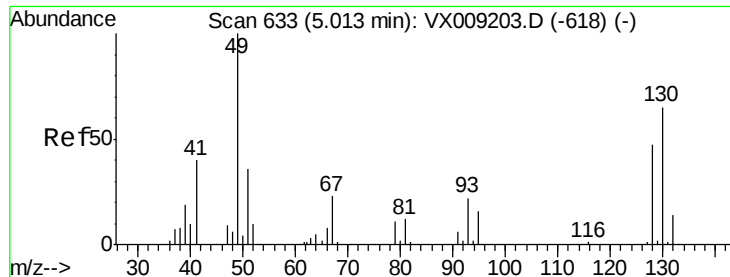
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 4.96 min Scan# 625

Delta R.T. -0.05 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

DUP-0515-190423

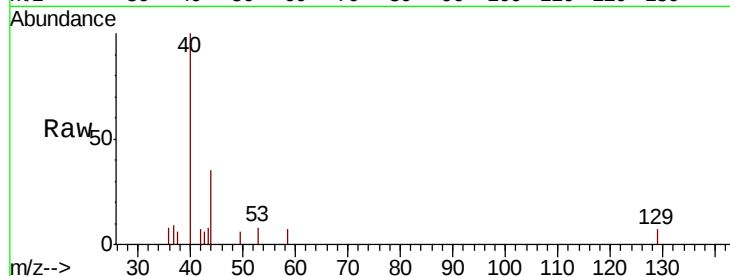
Tgt Ion: 49 Resp: 18

Ion Ratio Lower Upper

49 100

129 122.2 0.0 3.8#

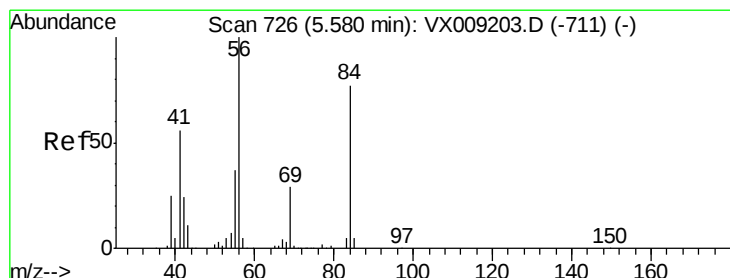
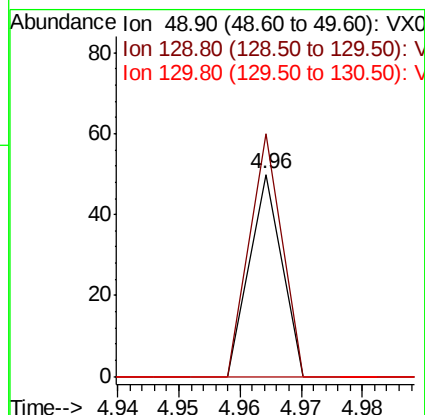
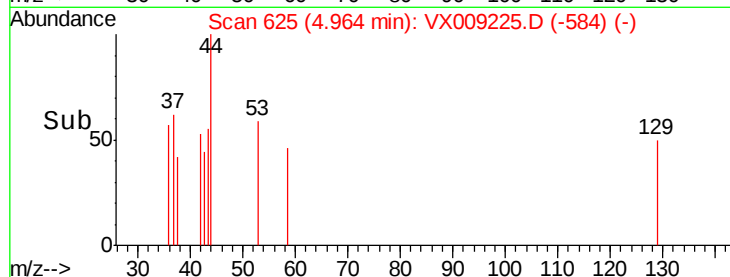
130 0.0 51.2 76.8#



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: 1.120 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

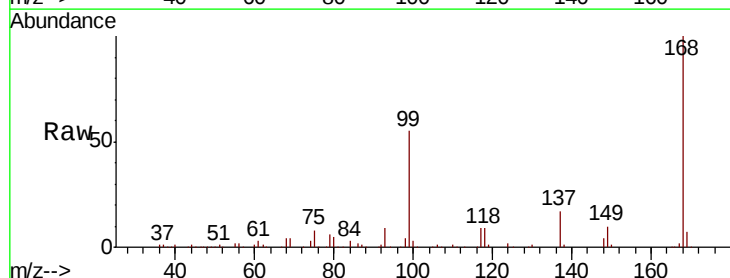
Tgt Ion: 56 Resp: 4792

Ion Ratio Lower Upper

56 100

69 157.5 23.4 35.0#

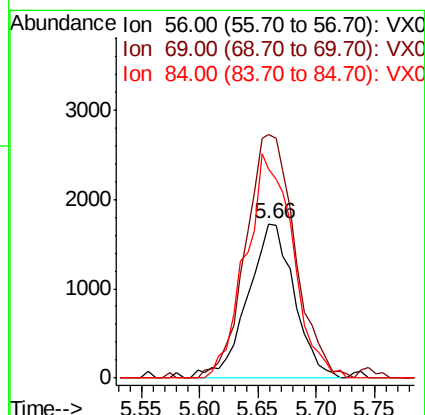
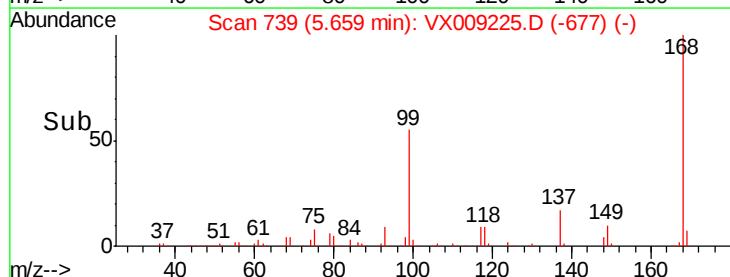
84 135.4 61.9 92.9#

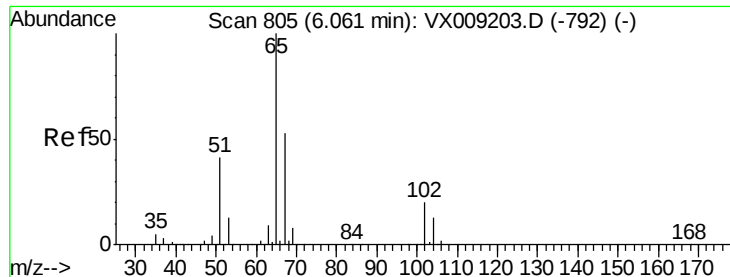


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.300 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

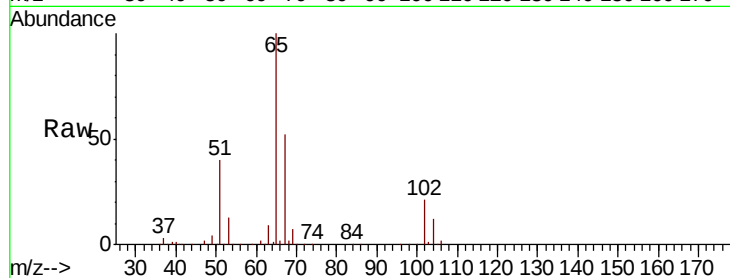
DUP-0515-190423

Tgt Ion: 65 Resp: 139732

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

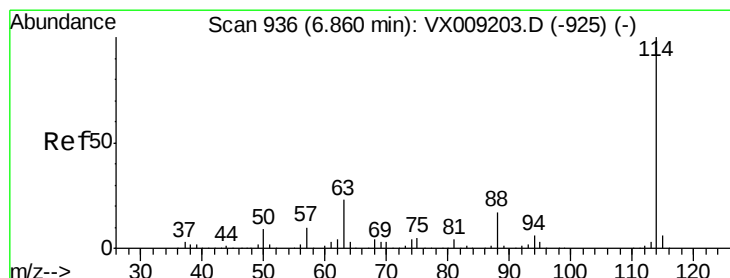
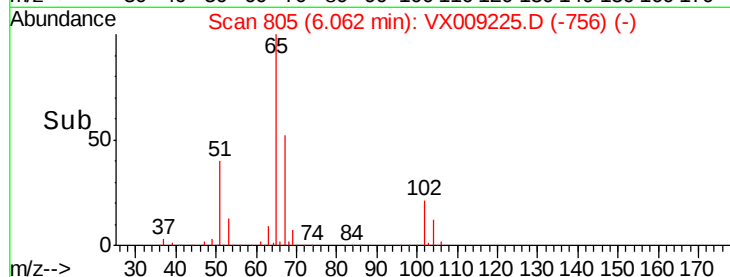
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

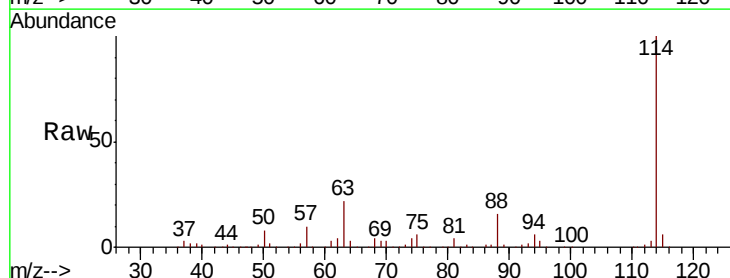
Tgt Ion: 114 Resp: 343184

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.6

88 15.9 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

200000

150000

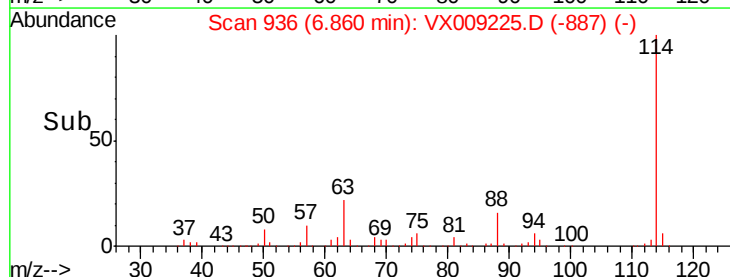
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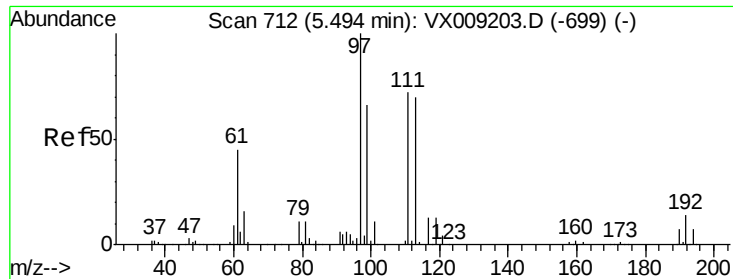
50000

0

Time-->

6.70 6.80 6.90 7.00

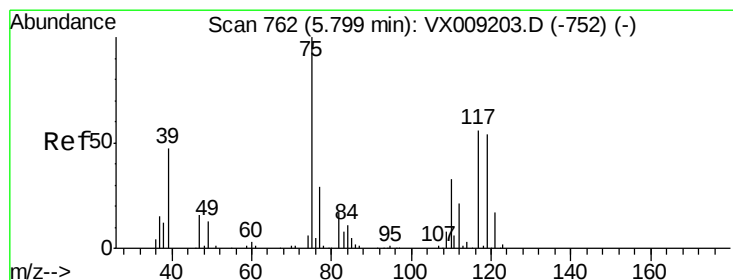
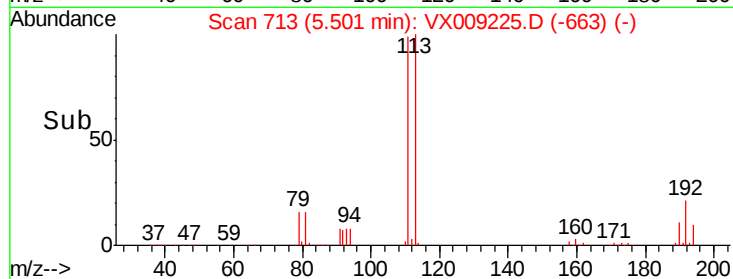
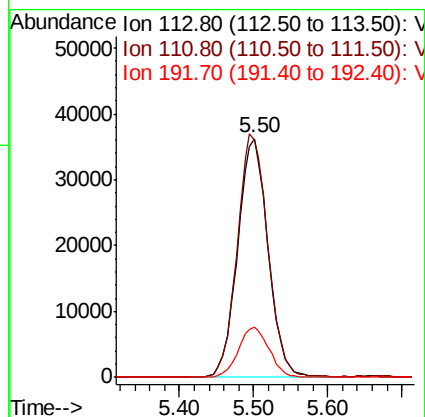
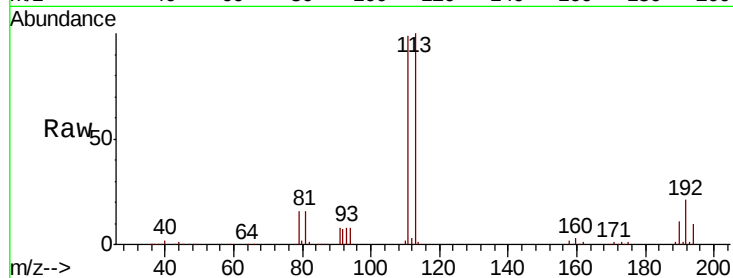




#35
 Dibromofluoromethane
 Concen: 48.084 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009225.D
 Acq: 29 Apr 2019 22:12

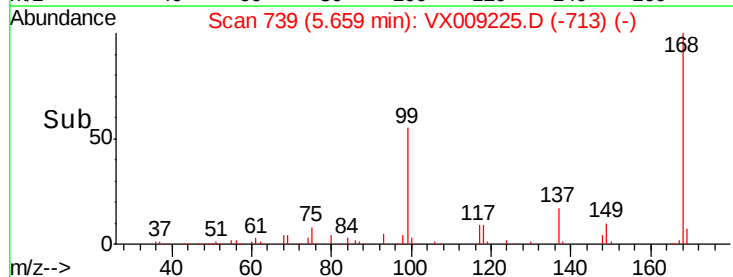
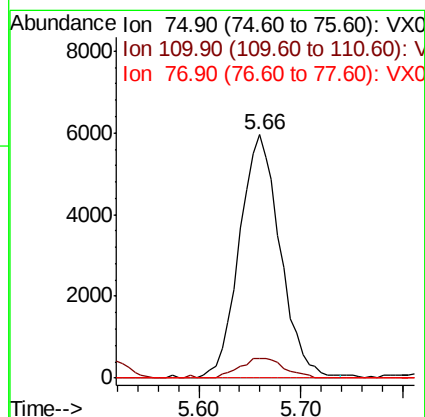
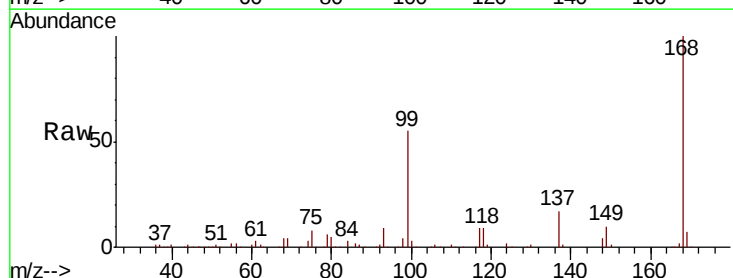
Instrument :
 MSVOA_X
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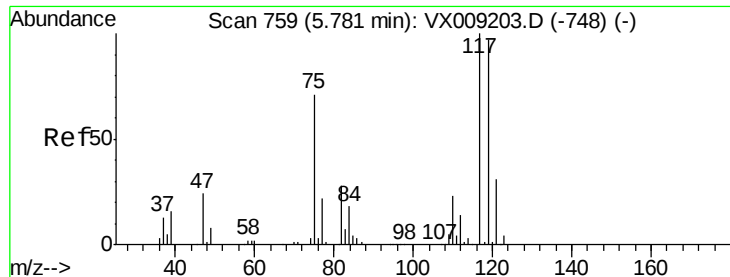
Tgt Ion:113 Resp: 103737
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.8 124.2
 192 21.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009225.D
 Acq: 29 Apr 2019 22:12

Tgt Ion: 75 Resp: 16518
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.9 50.6#
 77 0.0 24.8 37.2#

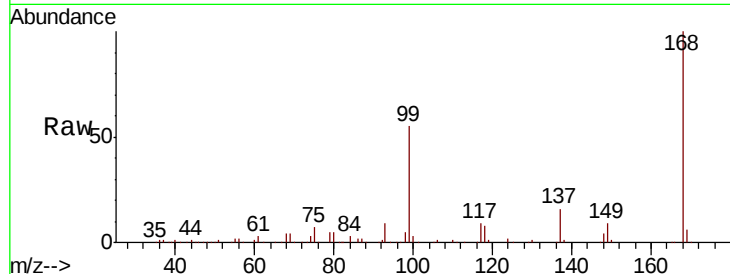




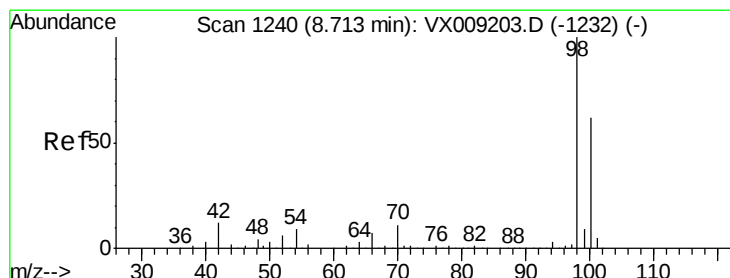
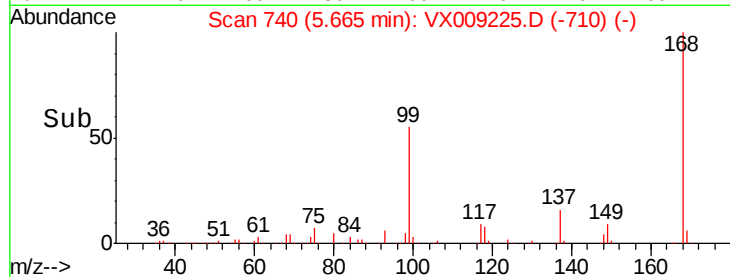
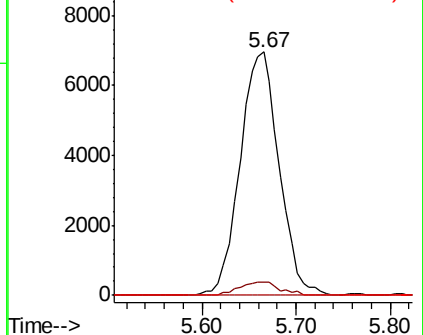
#38
Carbon Tetrachloride
Concen: 6.953 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

Instrument :
MSVOA_X
ClientSampleId :
DUP-0515-190423

Tgt Ion:117 Resp: 20146
Ion Ratio Lower Upper
117 100
119 5.6 77.5 116.3#
121 0.0 24.7 37.1#

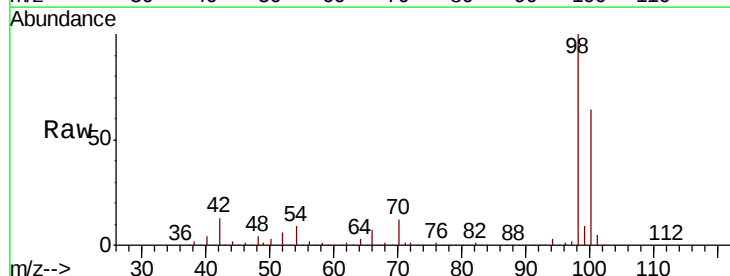


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

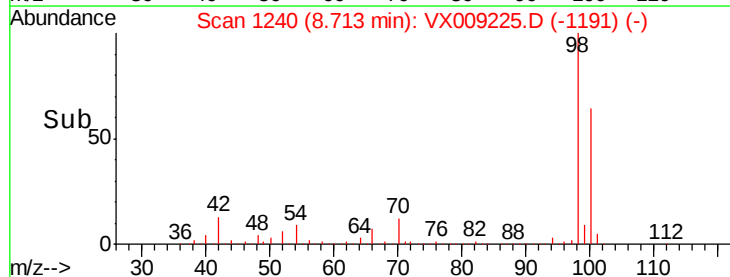
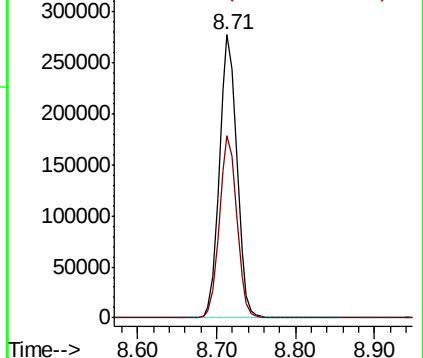


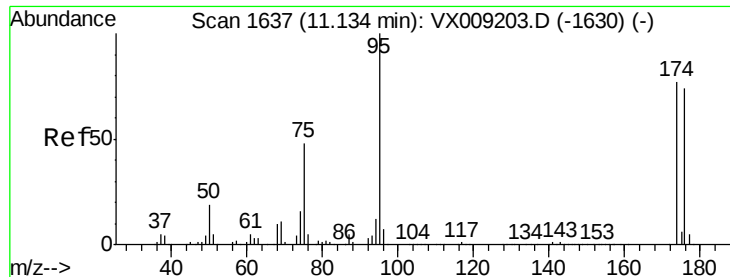
#50
Toluene-d8
Concen: 49.326 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009225.D
Acq: 29 Apr 2019 22:12

Tgt Ion: 98 Resp: 429627
Ion Ratio Lower Upper
98 100
100 64.1 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: 45.860 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

DUP-0515-190423

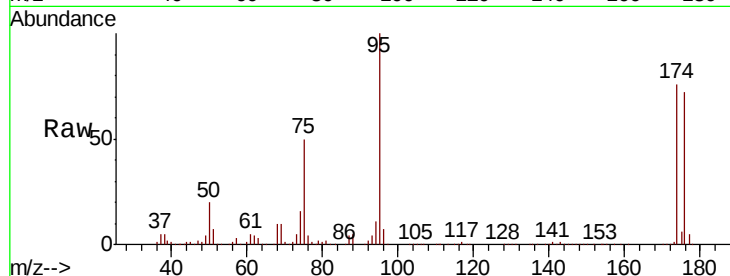
Tgt Ion: 95 Resp: 145139

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

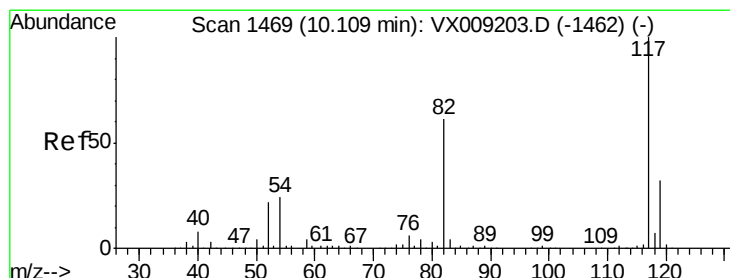
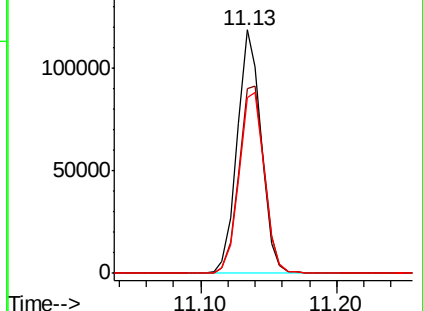
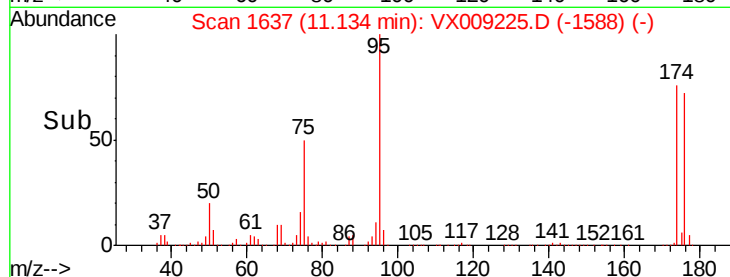
176 78.8 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009225.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009225.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009225.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

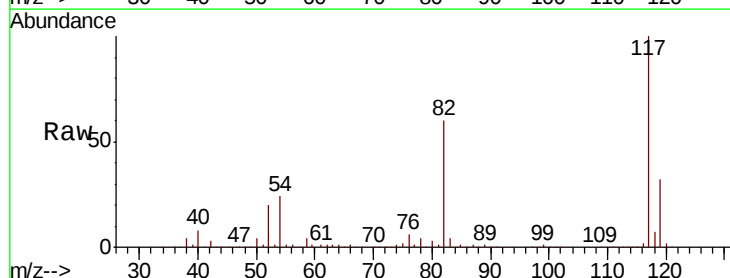
Tgt Ion: 117 Resp: 302957

Ion Ratio Lower Upper

117 100

82 60.3 48.8 73.2

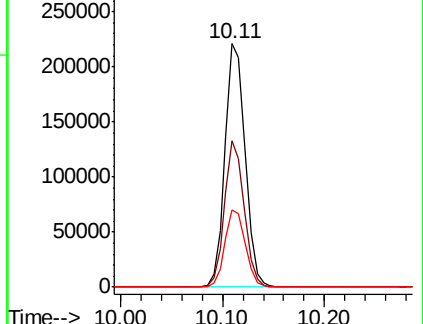
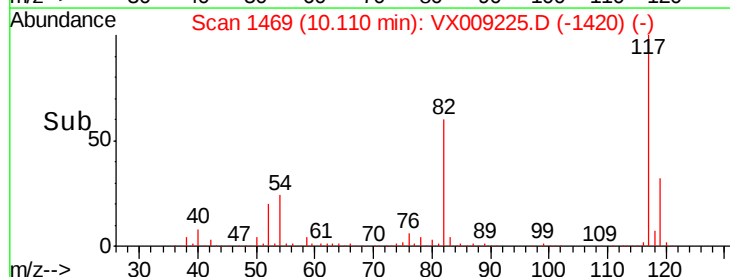
119 31.8 25.8 38.6

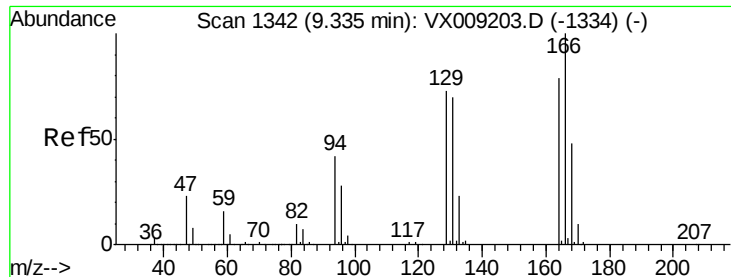


Abundance Ion 116.90 (116.60 to 117.60): VX009225.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009225.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009225.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.240 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

Instrument :

MSVOA_X

ClientSampleId :

DUP-0515-190423

Tgt Ion:164 Resp: 499

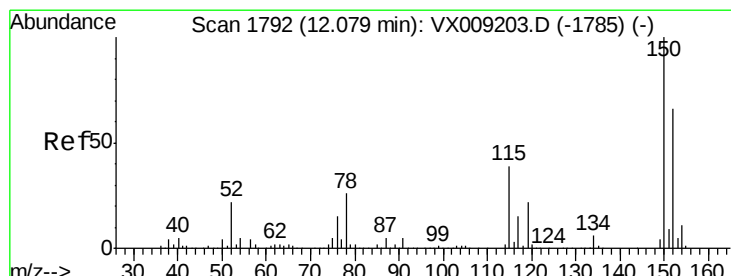
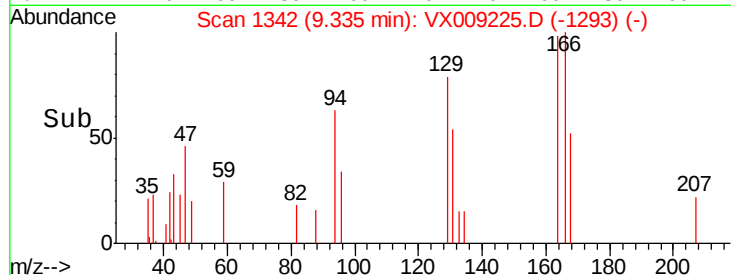
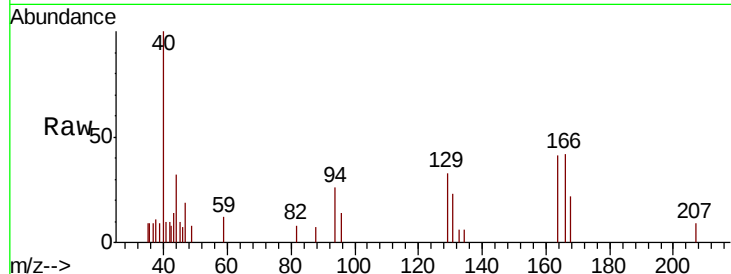
Ion Ratio Lower Upper

164 100

166 101.7 101.2 151.8

129 80.1 74.3 111.5

131 55.3 71.0 106.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009225.D

Acq: 29 Apr 2019 22:12

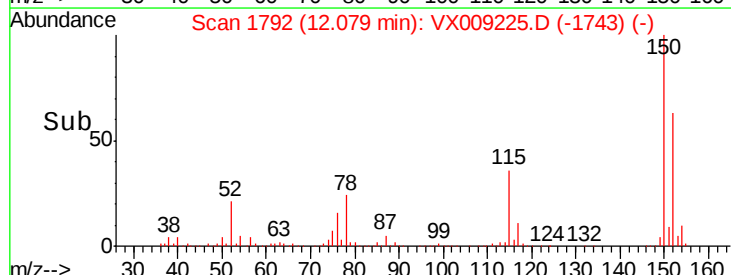
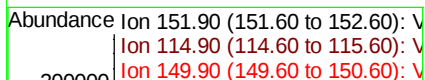
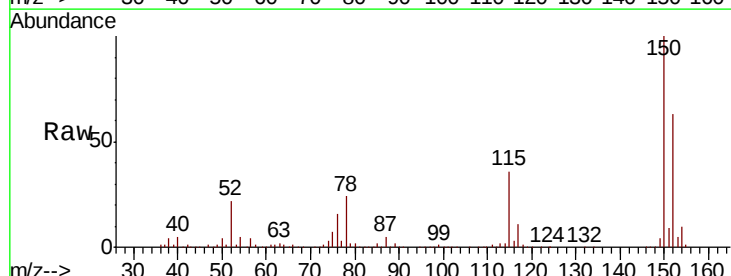
Tgt Ion:152 Resp: 132859

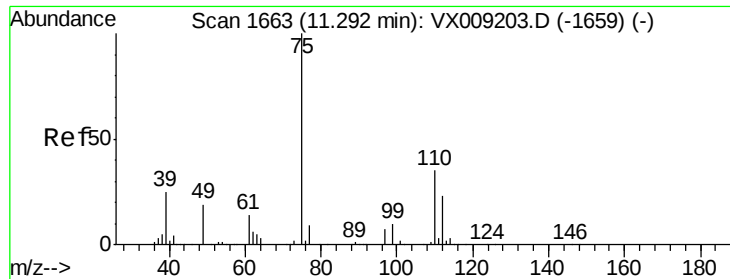
Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

150 156.4 0.0 346.4

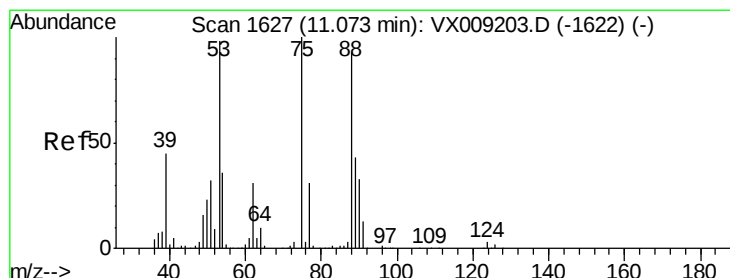
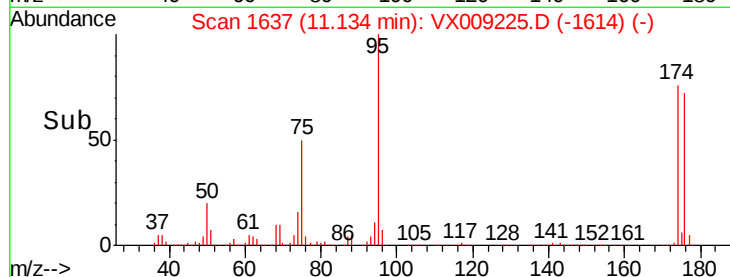
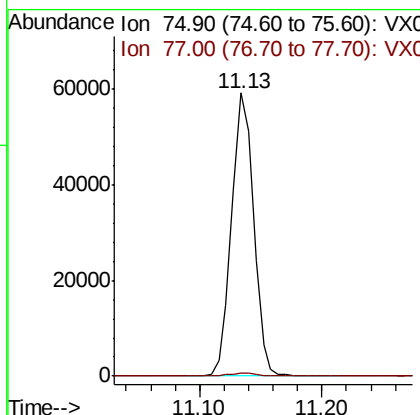
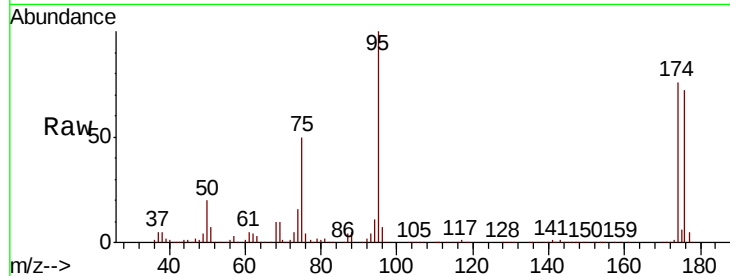




#76
 1,2,3-Trichloropropane
 Concen: 23.895 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009225.D
 Acq: 29 Apr 2019 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0515-190423

Tgt Ion: 75 Resp: 73640
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.138 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009225.D
 Acq: 29 Apr 2019 22:12

Tgt Ion: 75 Resp: 73640
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

