

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009695.D
 Acq On : 18 May 2019 05:29
 Operator : JC/SP
 Sample : K2901-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-051519

Quant Time: May 18 06:27:29 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

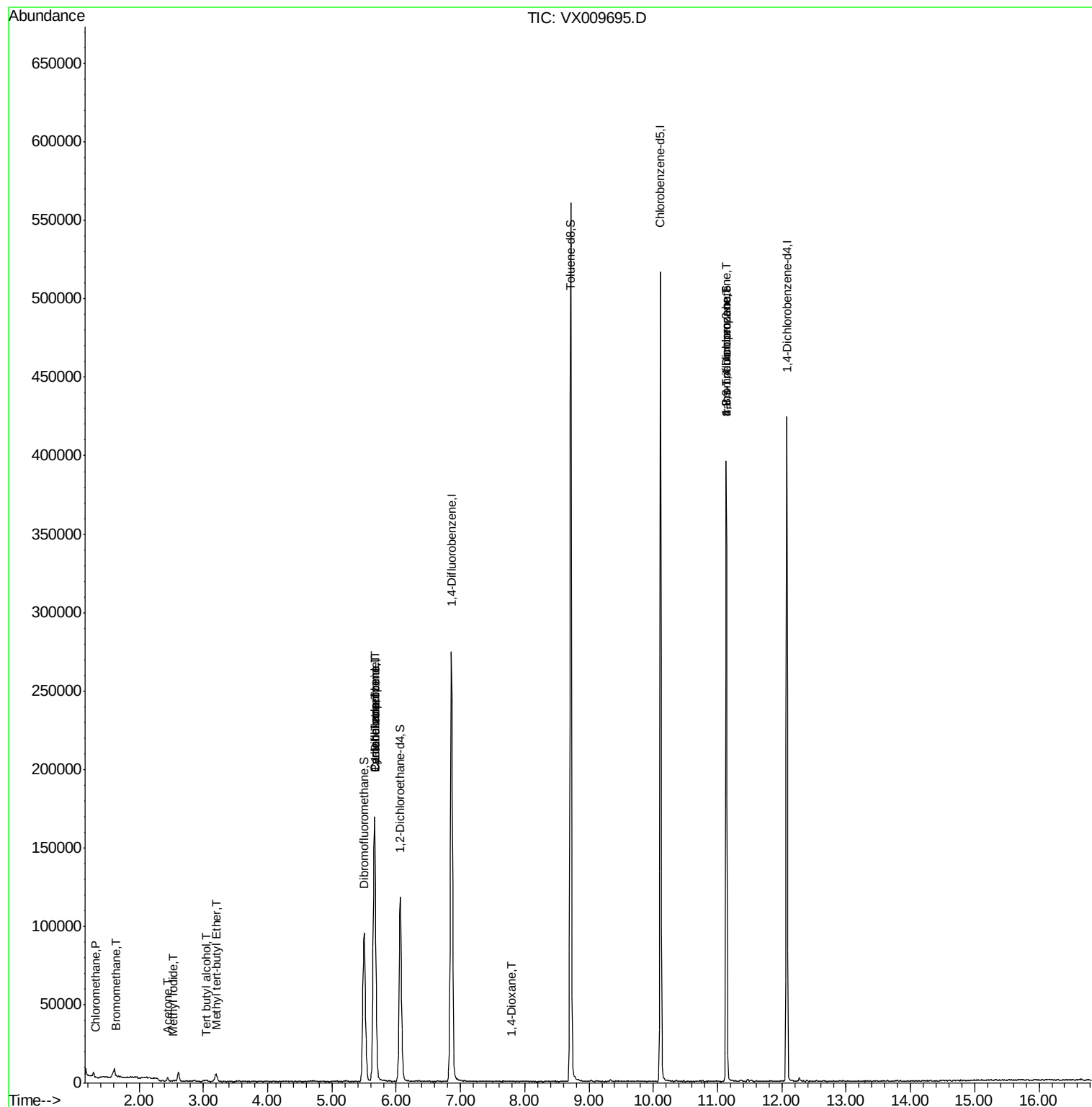
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	163716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87036	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	111354	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	5.50	113	80927	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
50) Toluene-d8	8.71	98	328725	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.13	95	102527	42.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.56%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	492	0.239	ug/l	100
5) Bromomethane	1.64	94	382	0.317	ug/l #	33
10) Methyl Iodide	2.52	142	262	4.727	ug/l #	95
11) Tert butyl alcohol	3.05	59	786	1.519	ug/l #	86
16) Acetone	2.44	43	2374	1.978	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	4809	0.806	ug/l #	85
28) Bromochloromethane	5.02	49	61	Below Cal	#	20
31) Cyclohexane	5.67	56	3621	1.096	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12771	5.227	ug/l #	50
38) Carbon Tetrachloride	5.67	117	15293	6.889	ug/l #	15
49) 1,4-Dioxane	7.80	88	20	0.365	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52599	26.053	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	52599	66.660	ug/l #	10

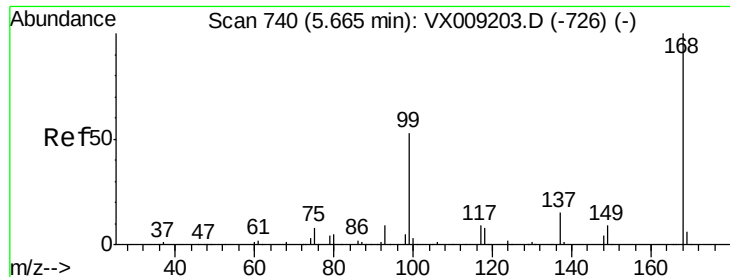
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
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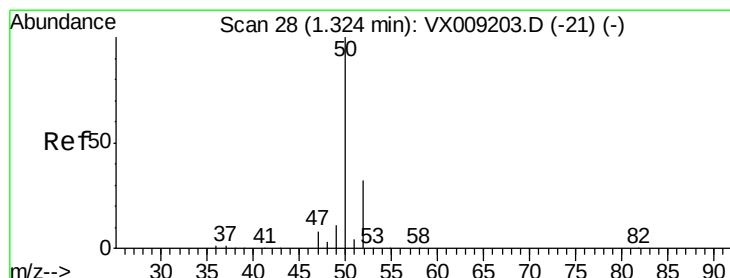
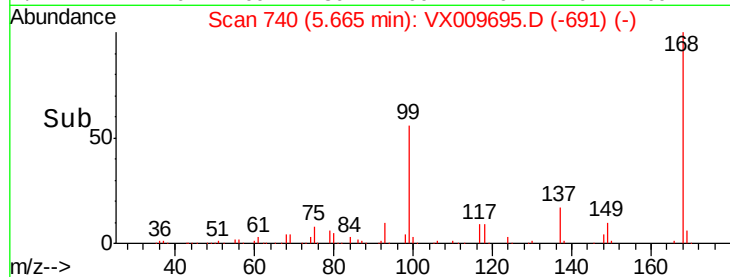
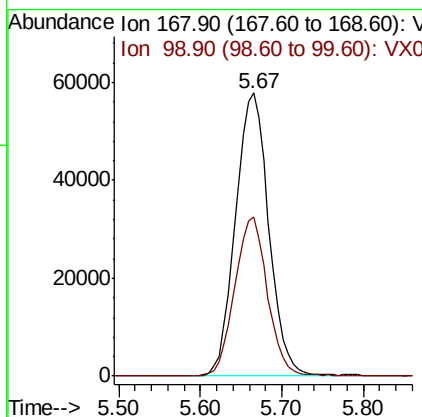
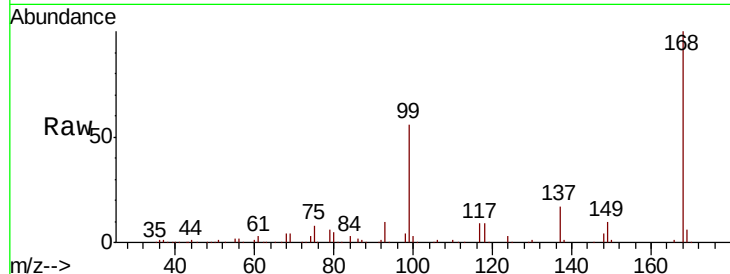




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

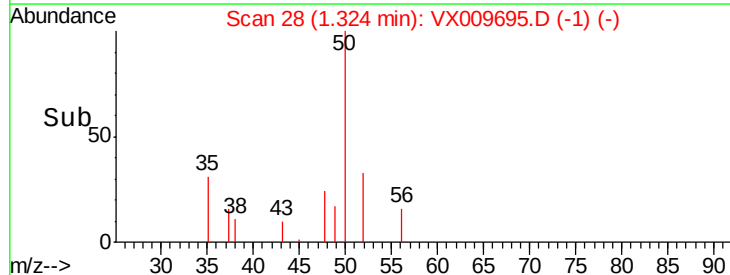
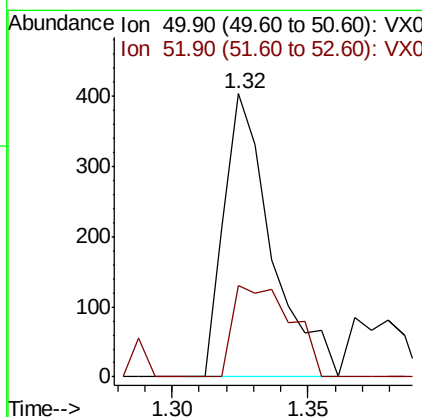
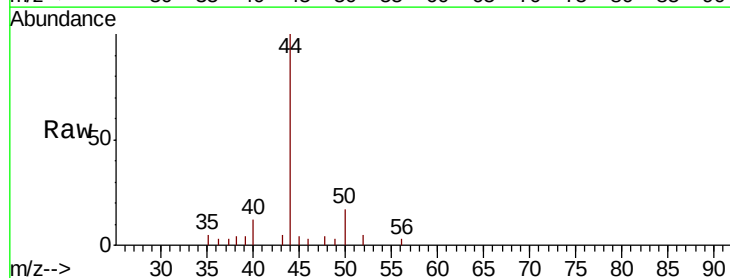
Instrument :
MSVOA_X
ClientSampleId :
DUP-051519

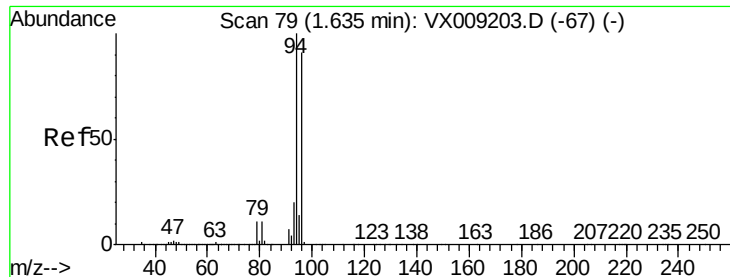
Tot Ion:168 Resp: 163716
Ion Ratio Lower Upper
168 100
99 56.2 42.3 63.5



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

Tgt Ion: 50 Resp: 492
Ion Ratio Lower Upper
50 100
52 32.5 25.9 38.9





#5

Bromomethane

Concen: 0.317 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

Instrument :

MSVOA_X

ClientSampled :

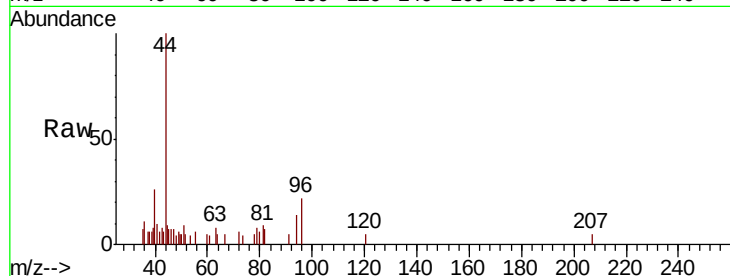
DUP-051519

Tot Ion: 94 Resp: 382

Ion Ratio Lower Upper

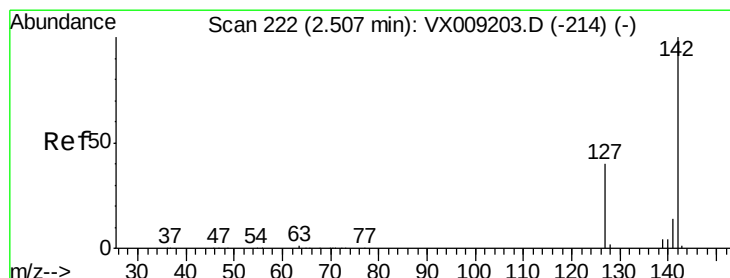
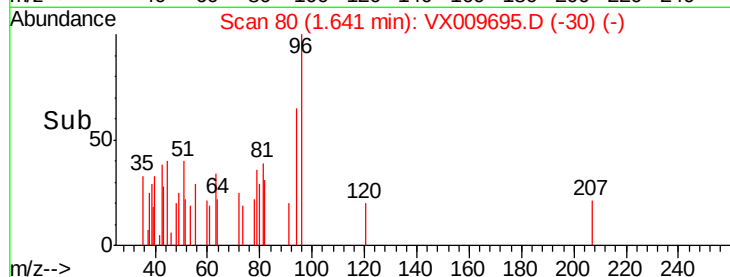
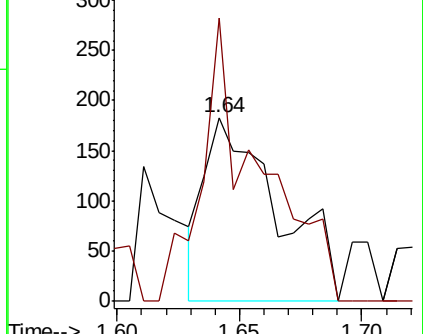
94 100

96 154.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.727 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

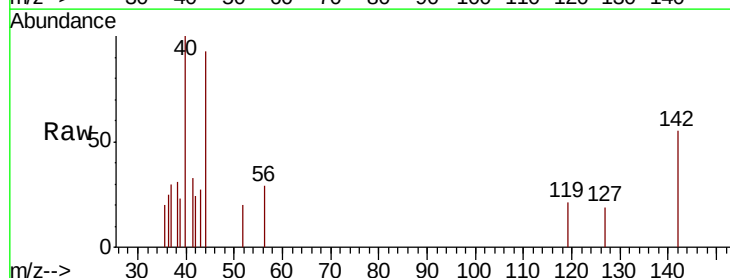
Tgt Ion: 142 Resp: 262

Ion Ratio Lower Upper

142 100

127 42.0 32.7 49.1

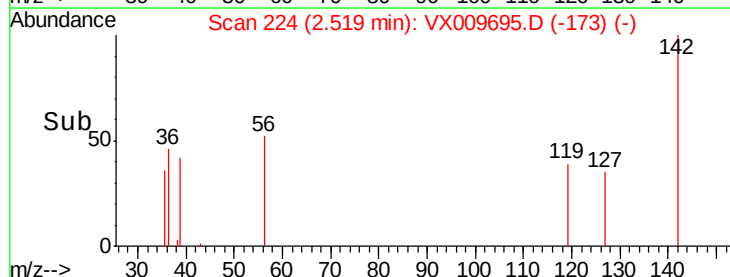
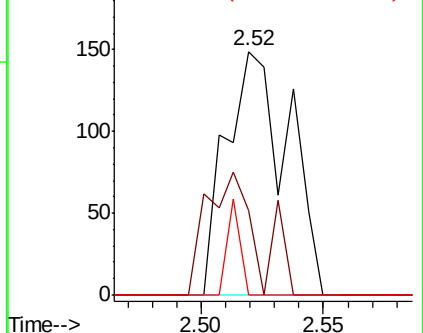
141 8.4 11.5 17.3#

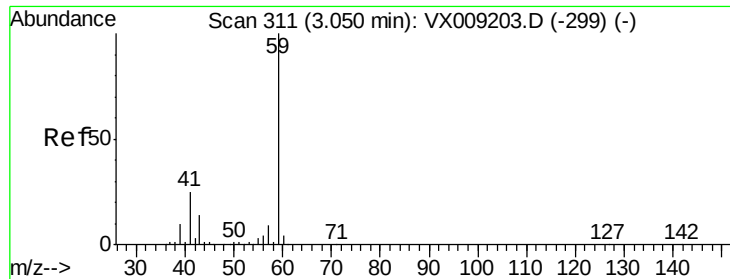


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

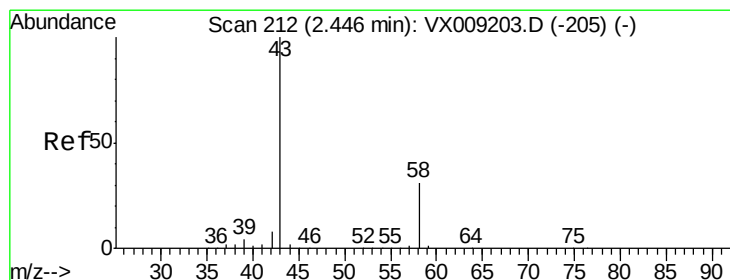
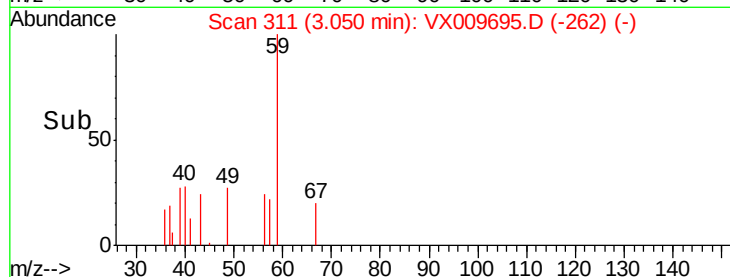
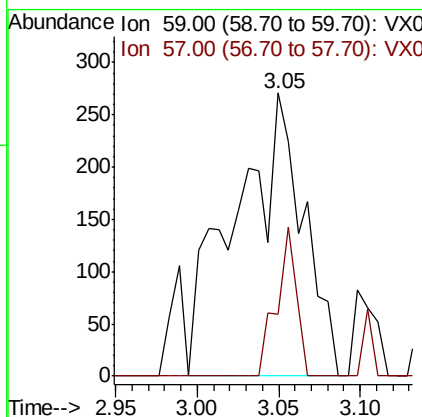
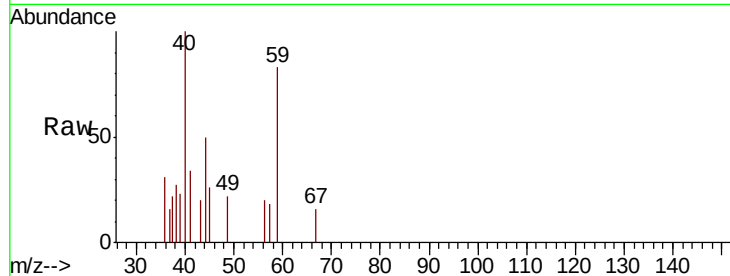




#11
Tert butyl alcohol
Concen: 1.519 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

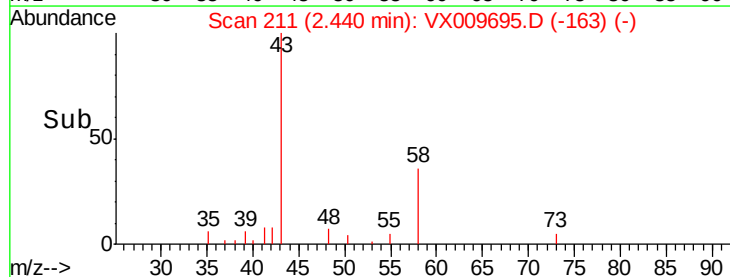
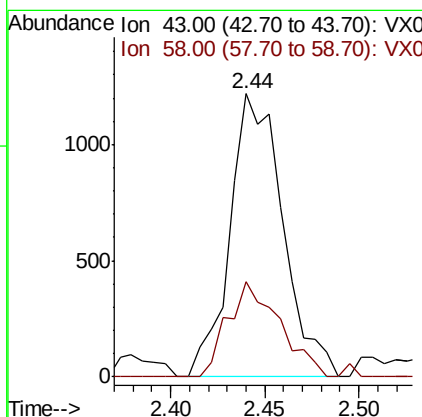
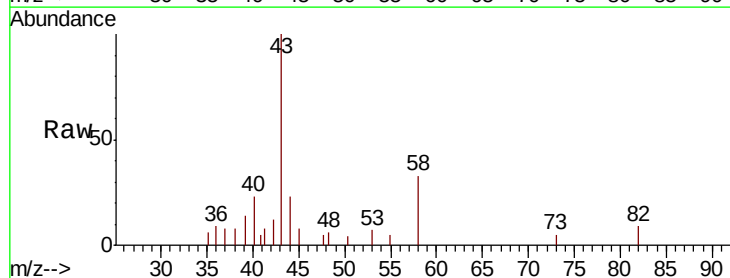
Instrument :
MSVOA_X
ClientSampled :
DUP-051519

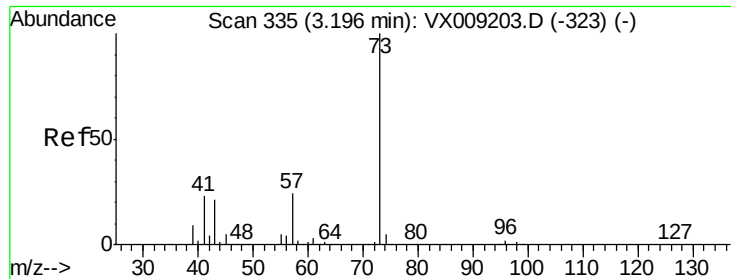
Tot Ion: 59 Resp: 786
Ion Ratio Lower Upper
59 100
57 15.3 8.2 12.2#



#16
Acetone
Concen: 1.978 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 33.4 24.9 37.3

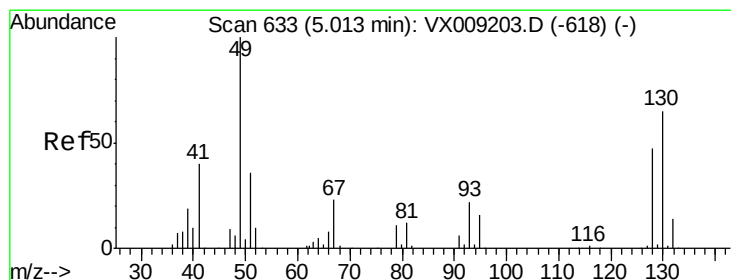
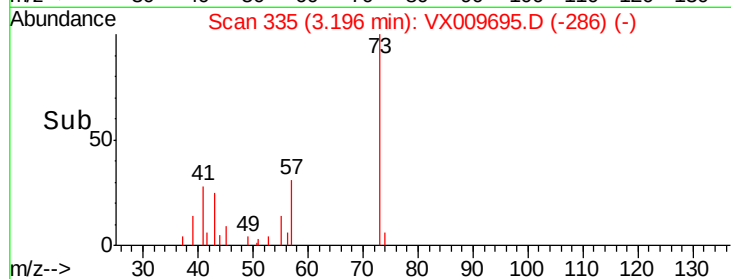
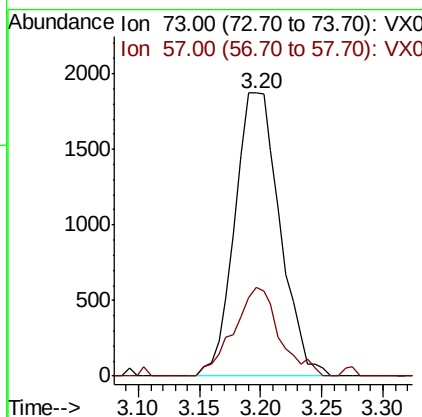
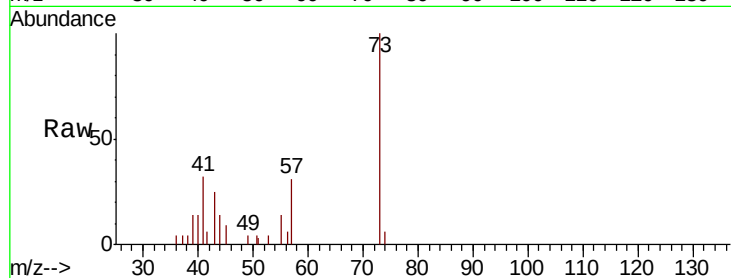




#19
Methyl tert-butyl Ether
Concen: 0.806 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

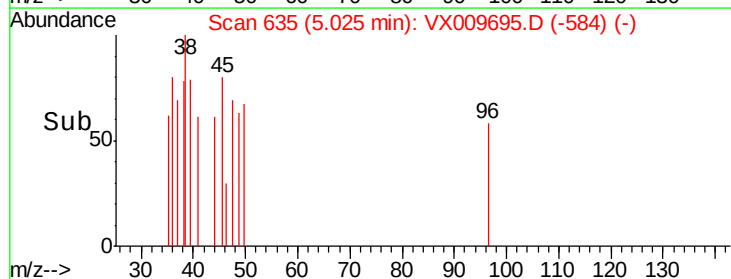
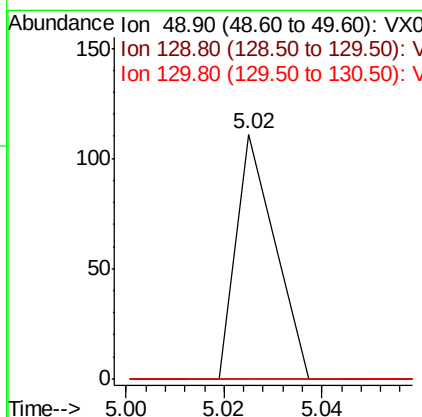
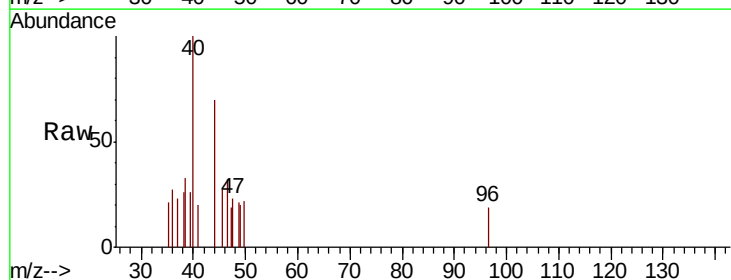
Instrument :
MSVOA_X
ClientSampleId :
DUP-051519

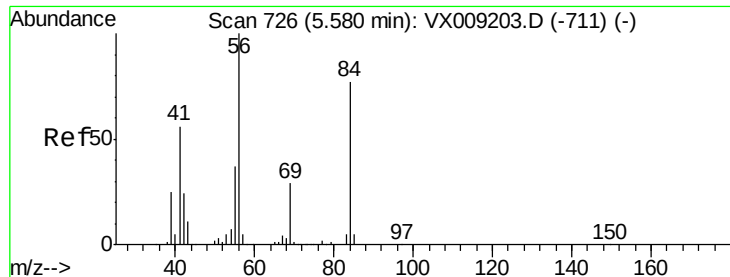
Tot Ion: 73 Resp: 4809
Ion Ratio Lower Upper
73 100
57 31.3 19.3 28.9#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

Tgt Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#

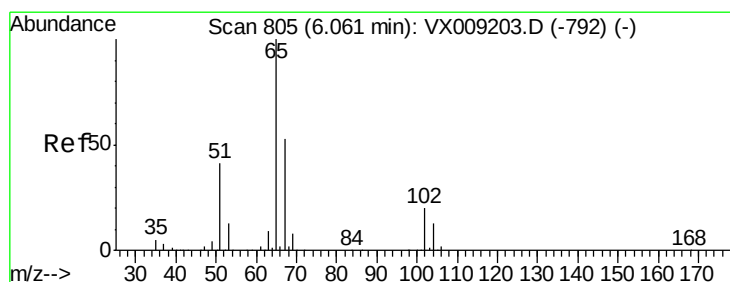
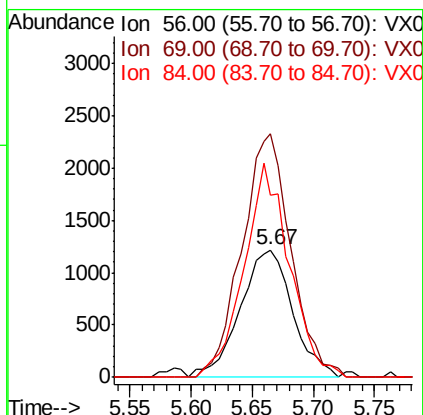
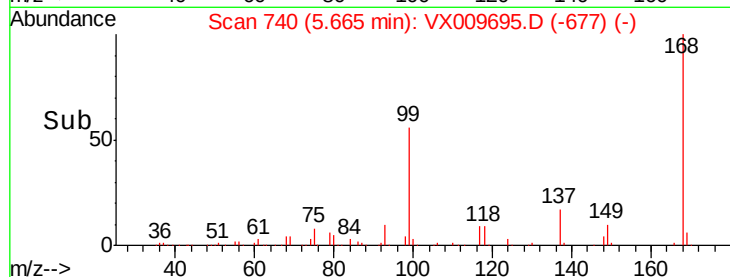
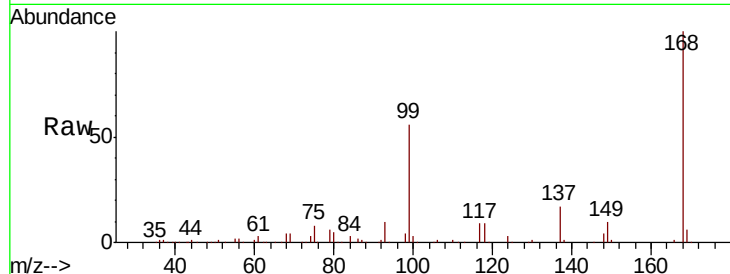




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

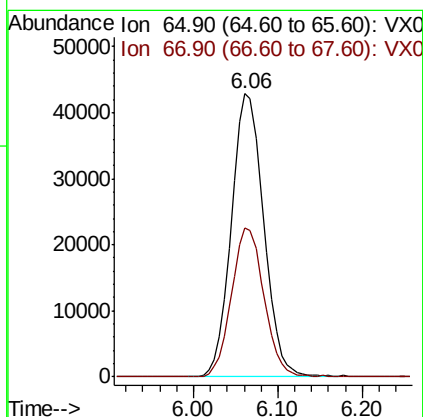
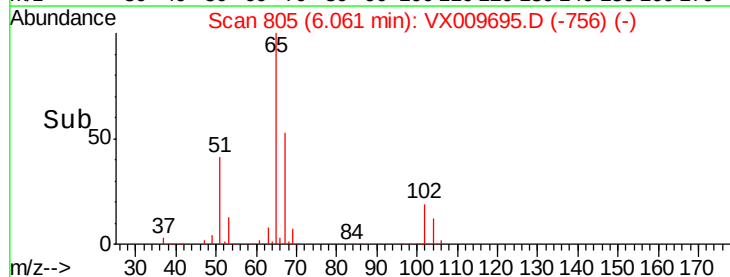
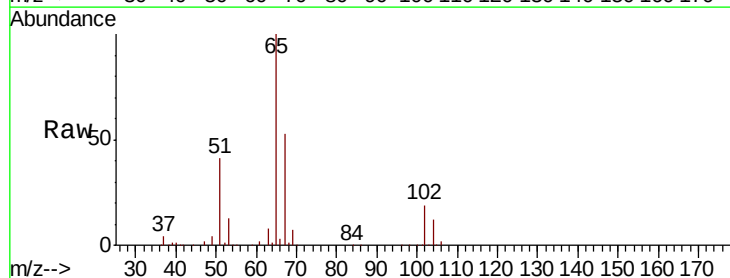
Instrument :
MSVOA_X
ClientSampleId :
DUP-051519

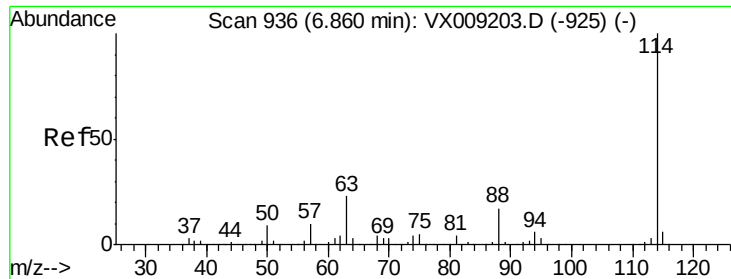
Tot Ion: 56 Resp: 3621
Ion Ratio Lower Upper
56 100
69 191.1 23.4 35.0#
84 142.5 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 49.825 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009695.D
Acq: 18 May 2019 05:29

Tgt Ion: 65 Resp: 111354
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.6

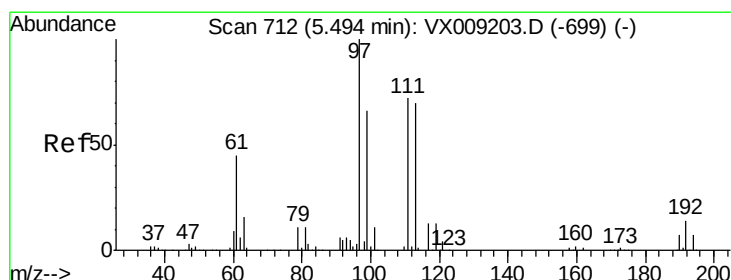
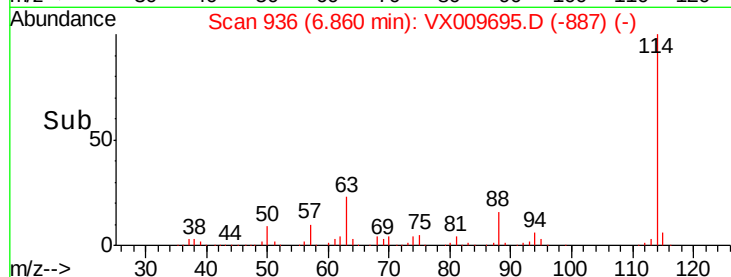
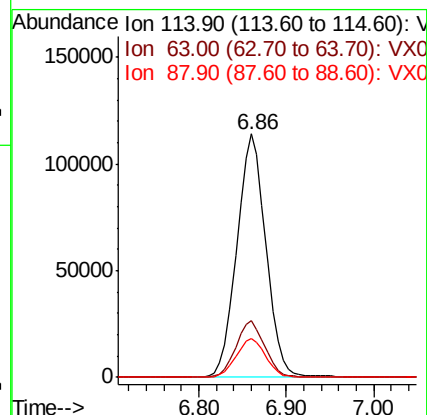
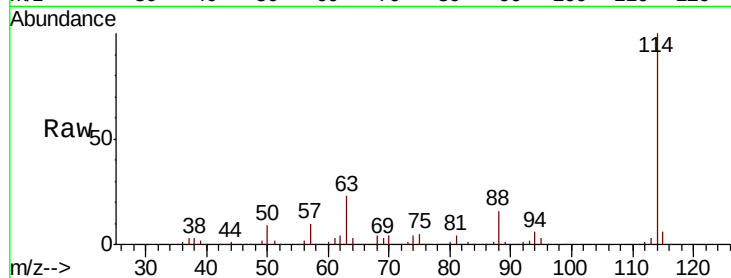




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009695.D
 Acq: 18 May 2019 05:29

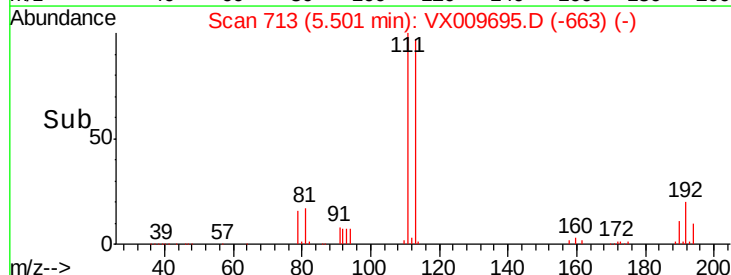
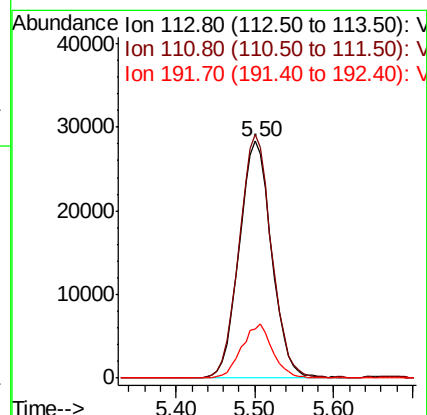
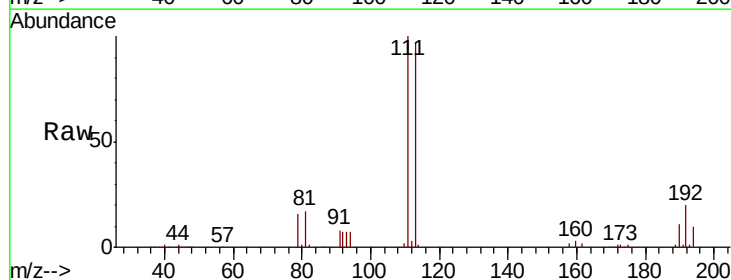
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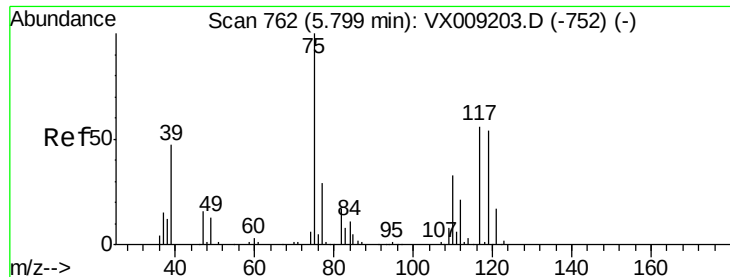
Tot Ion:114 Resp: 262926
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 45.6
 88 16.0 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.962 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009695.D
 Acq: 18 May 2019 05:29

Tgt Ion:113 Resp: 80927
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.8 124.2
 192 21.8 17.0 25.6

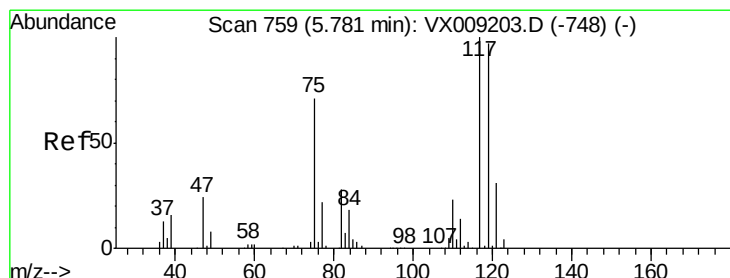
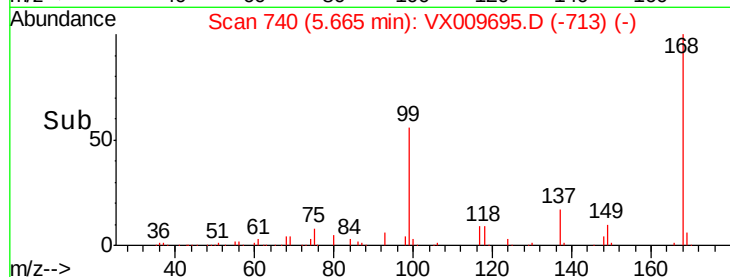
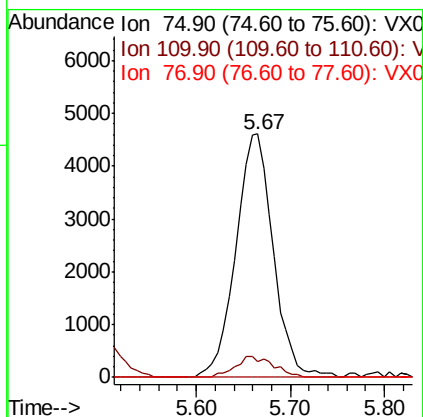
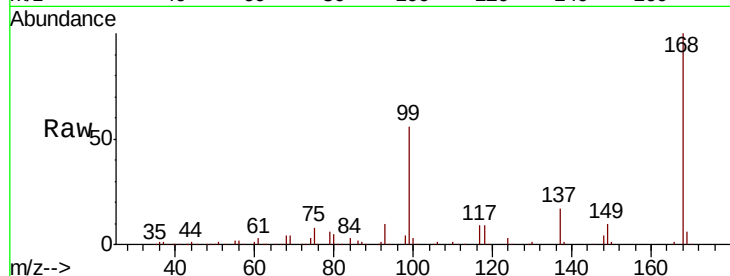




#36
 1,1-Dichloropropene
 Concen: 5.227 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009695.D
 Acq: 18 May 2019 05:29

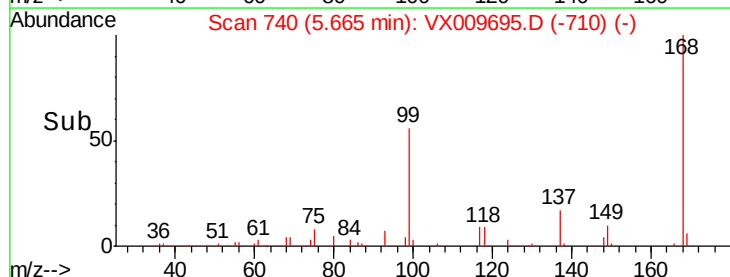
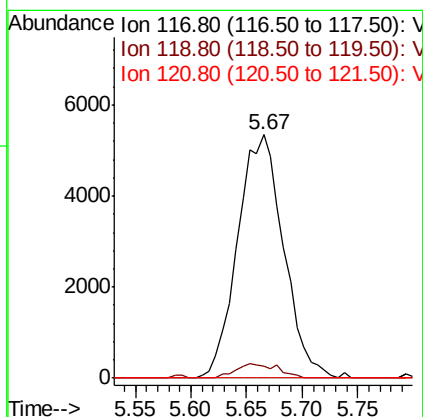
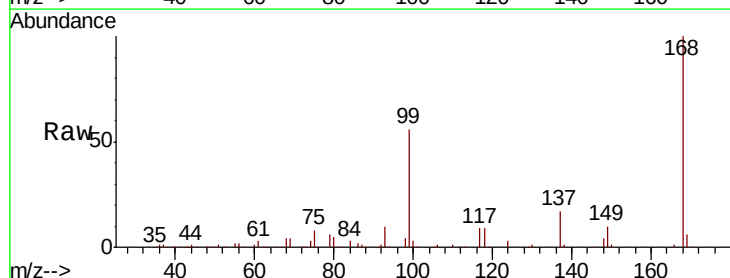
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-051519

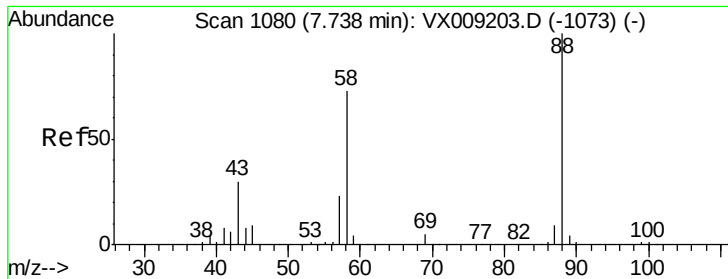
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.889 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009695.D
 Acq: 18 May 2019 05:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.5	116.3#
121	0.0	24.7	37.1#





#49

1,4-Dioxane

Concen: 0.365 ug/l

RT: 7.80 min Scan# 1090

Delta R.T. 0.06 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-051519

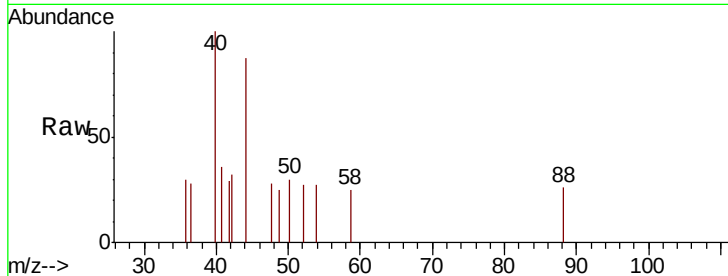
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 240.0 28.6 42.8#

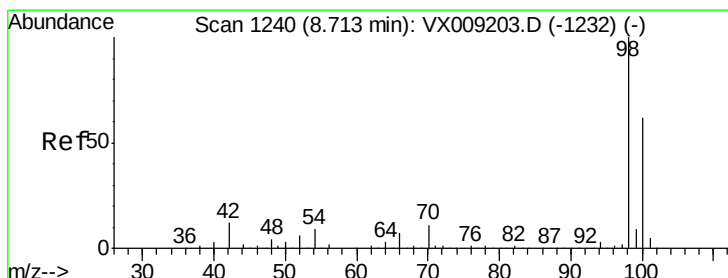
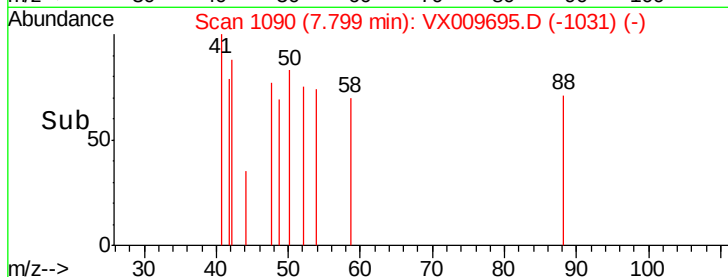
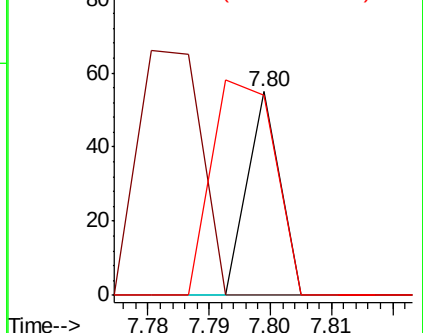
58 205.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.262 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009695.D

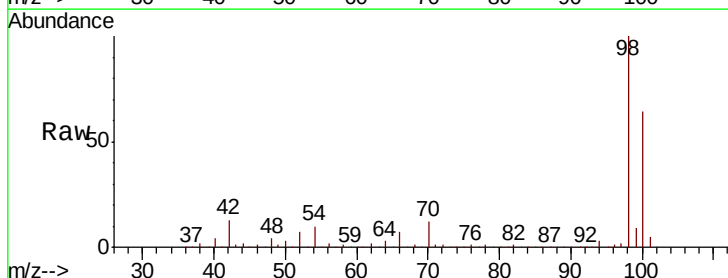
Acq: 18 May 2019 05:29

Tgt Ion: 98 Resp: 328725

Ion Ratio Lower Upper

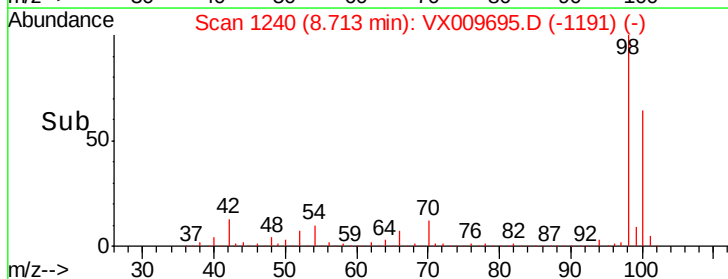
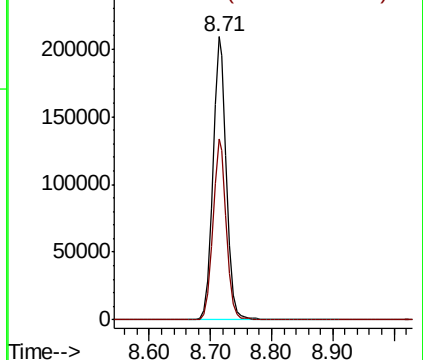
98 100

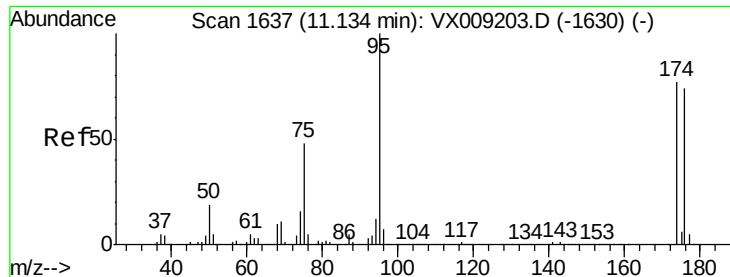
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 42.284 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

Instrument :

MSVOA_X

ClientSampled :

DUP-051519

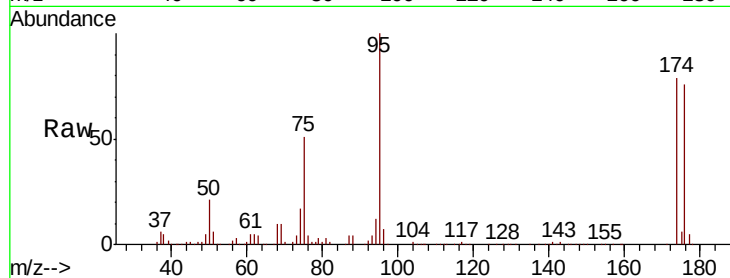
Tot Ion: 95 Resp: 102527

Ion Ratio Lower Upper

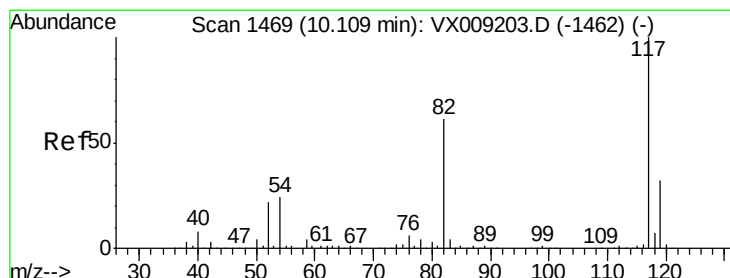
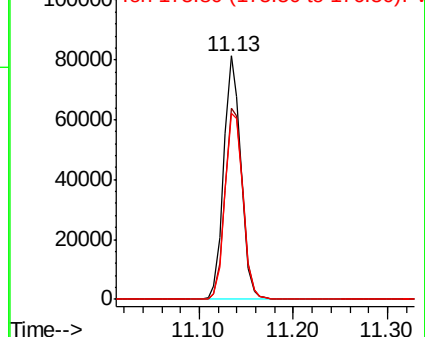
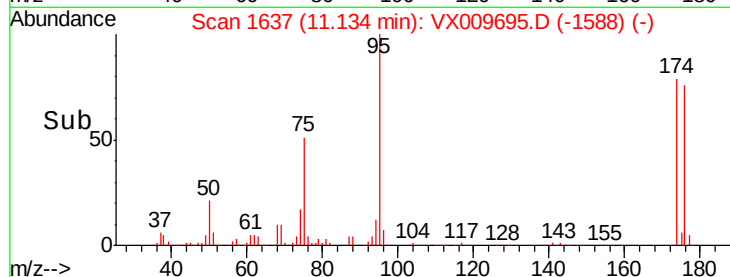
95 100

174 82.1 0.0 161.6

176 80.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009695.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

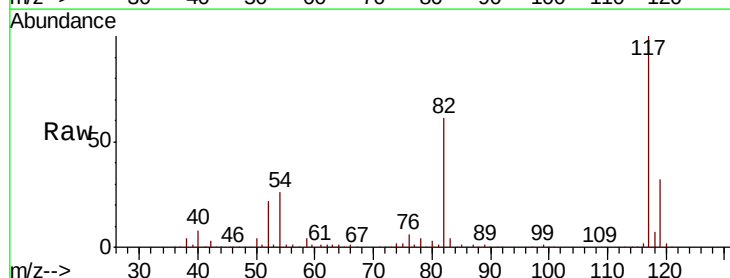
Tgt Ion: 117 Resp: 224410

Ion Ratio Lower Upper

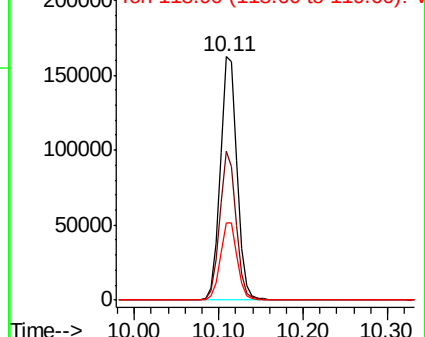
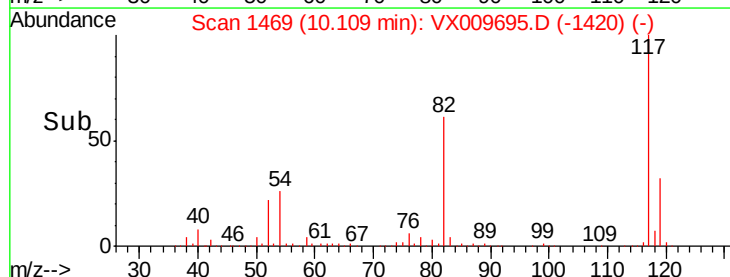
117 100

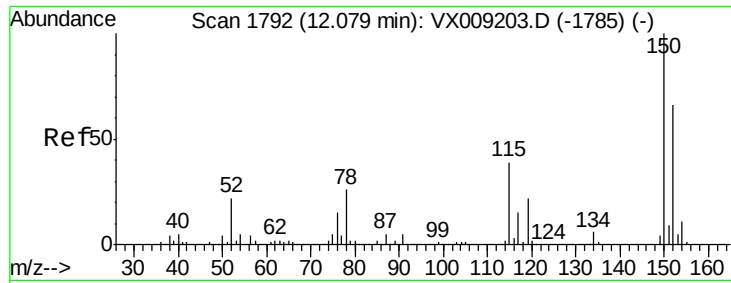
82 61.0 48.8 73.2

119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009695.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: VX009695.D

Acq: 18 May 2019 05:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-051519

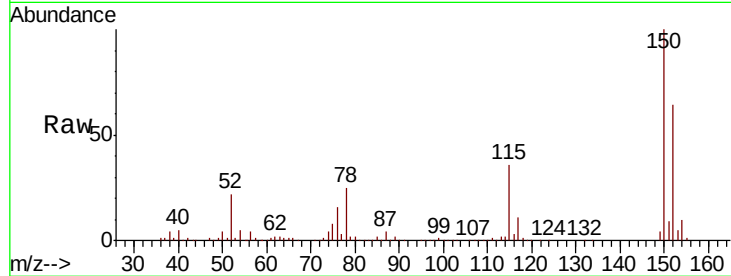
Tot Ion:152 Resp: 87036

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

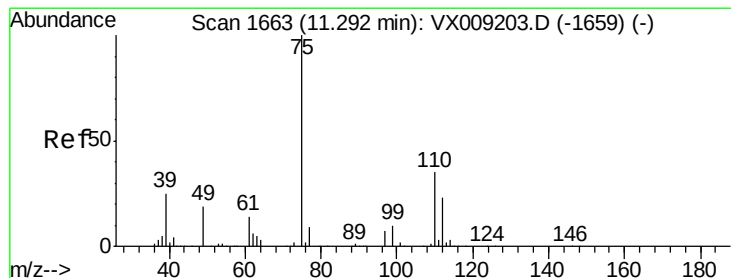
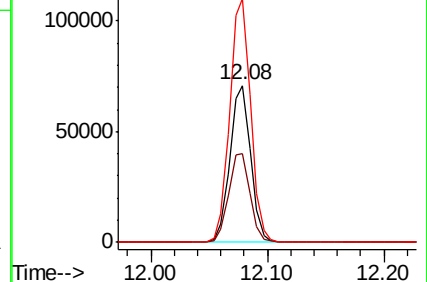
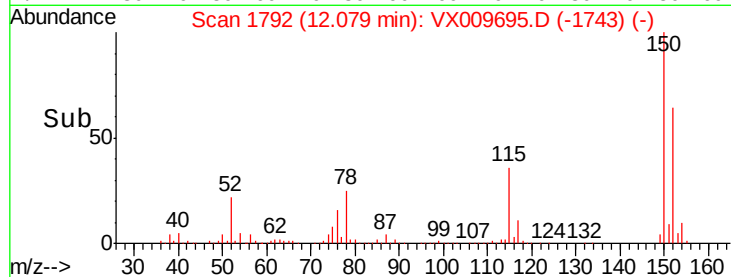
150 156.7 0.0 346.4



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: 26.053 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009695.D

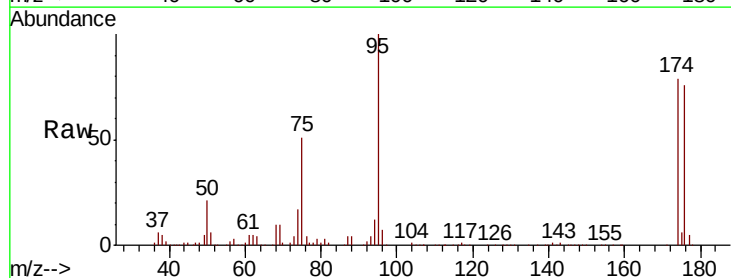
Acq: 18 May 2019 05:29

Tgt Ion: 75 Resp: 52599

Ion Ratio Lower Upper

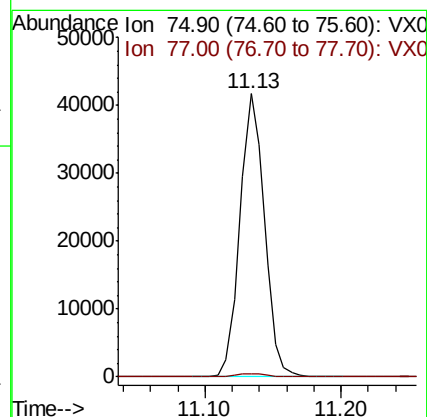
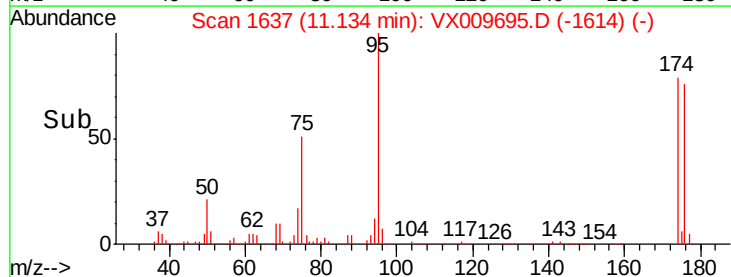
75 100

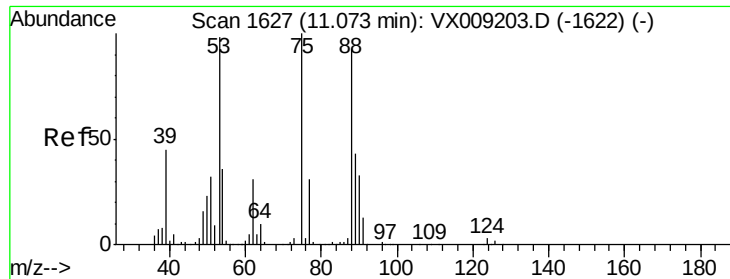
77 1.4 22.1 66.1#



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: 66.660 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009695.D

Acq: 18 May 2019 05:29

Instrument :

MSVOA_X

ClientSampleId :

DUP-051519

Tot Ion: 75 Resp: 52599

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 34.7 52.1#

