

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
 Data File : VX010159.D
 Acq On : 08 Jun 2019 23:20
 Operator : JC/SP
 Sample : K3257-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605

Quant Time: Jun 10 08:05:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428522	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	382227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179890	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	126096	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	5.50	113	130637	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.71	98	498956	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.13	95	173825	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

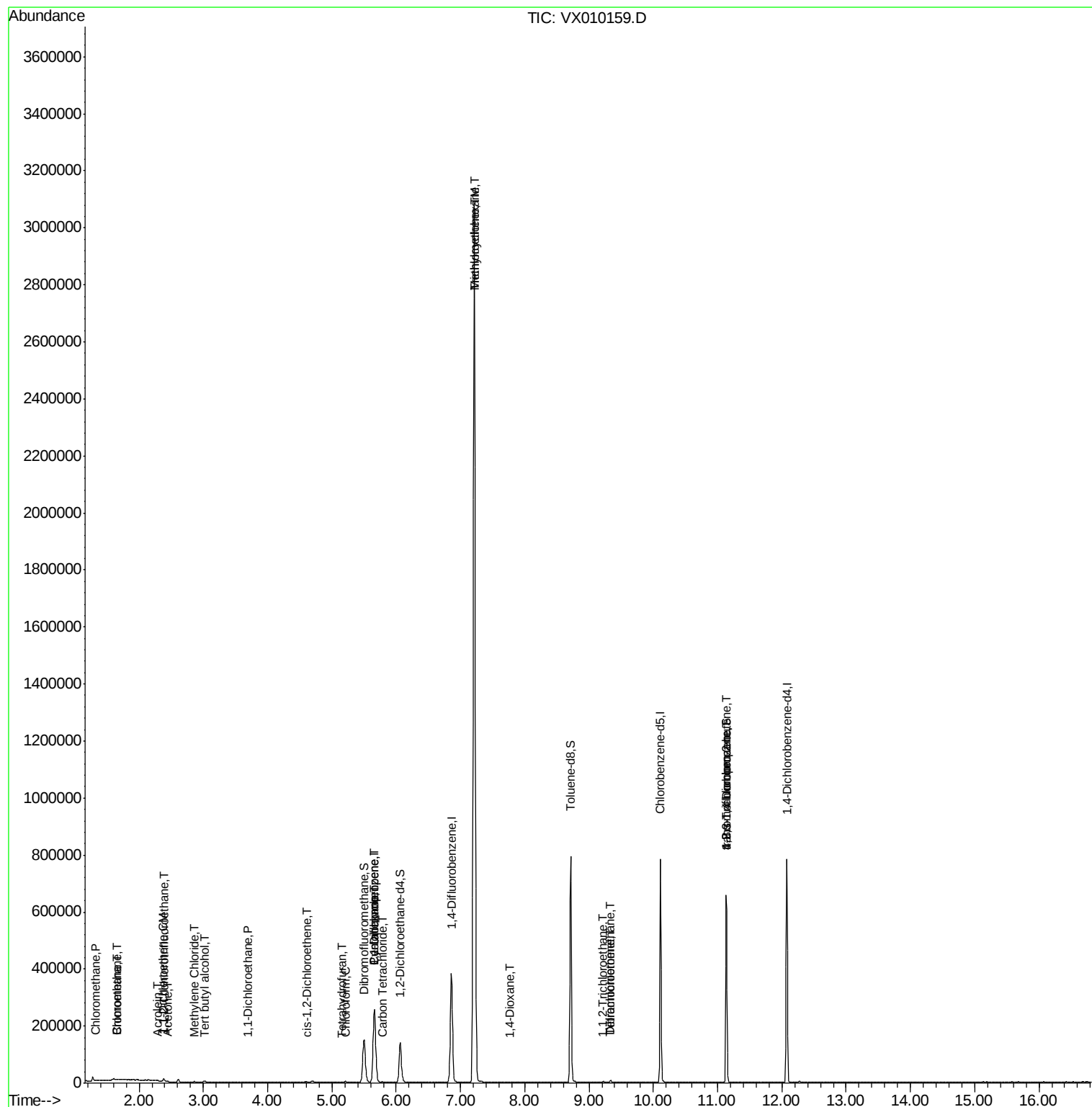
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	666	0.262	ug/l #	86
5) Bromomethane	1.65	94	328	0.364	ug/l #	57
6) Chloroethane	1.65	64	524	0.435	ug/l #	43
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3979	1.627	ug/l	92
11) Tert butyl alcohol	3.01	59	2155	3.241	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	1133	0.454	ug/l #	65
13) Acrolein	2.29	56	149	1.229	ug/l #	14
16) Acetone	2.44	43	2872	2.250	ug/l #	83
20) Methylene Chloride	2.85	84	804	0.287	ug/l #	67
24) 1,1-Dichloroethane	3.70	63	1815	0.415	ug/l #	82
27) cis-1,2-Dichloroethene	4.62	96	1470	0.478	ug/l	71
29) Tetrahydrofuran	5.15	42	576	0.482	ug/l #	57
30) Chloroform	5.21	83	2644	0.582	ug/l	99
31) Cyclohexane	5.66	56	4546	1.151	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16261	4.651	ug/l #	52
38) Carbon Tetrachloride	5.79	117	1093	0.276	ug/l #	82
39) Methylcyclohexane	7.21	83	13308	2.795	ug/l #	1
44) Trichloroethene	7.21	130	1261276	387.058	ug/l	88
49) 1,4-Dioxane	7.76	88	120	1.480	ug/l #	55
55) 1,1,2-Trichloroethane	9.21	97	1101	0.378	ug/l	90
60) Dibromochloromethane	9.34	129	1343	0.390	ug/l #	11
64) Tetrachloroethene	9.34	164	1513	0.533	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	78606	21.846	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78606	48.268	ug/l #	10

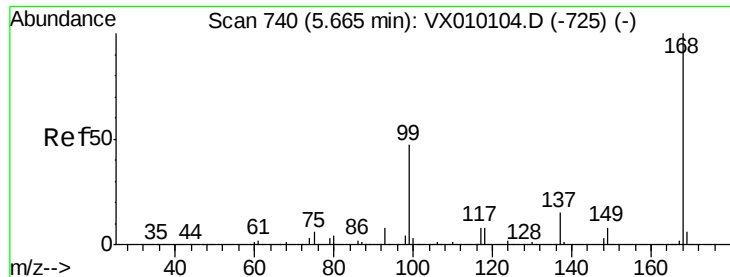
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX060819\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

Quant Time: Jun 10 08:05:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

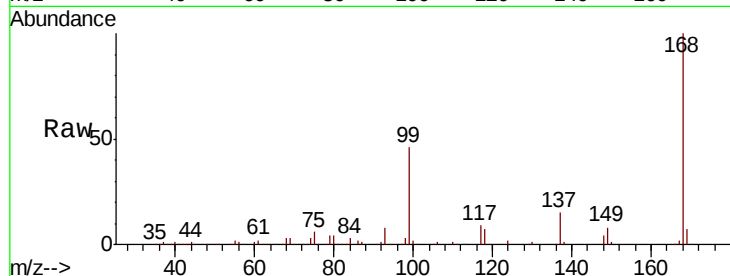
DUP02-20190605

Tgt Ion:168 Resp: 278050

Ion Ratio Lower Upper

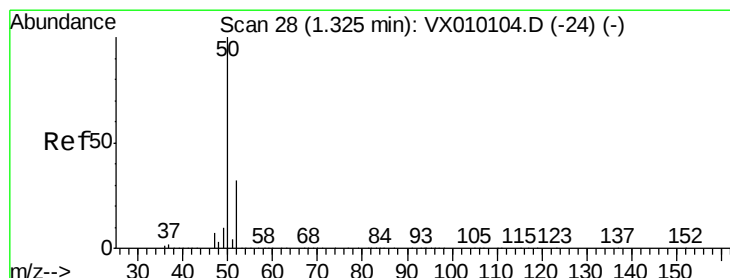
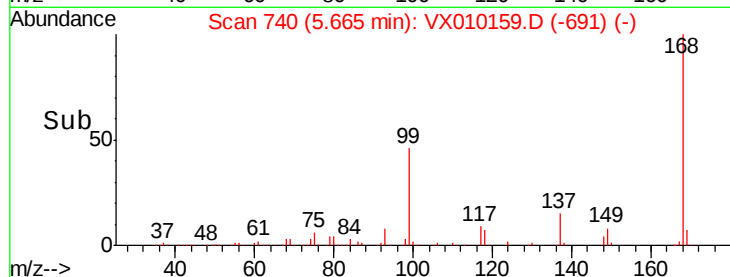
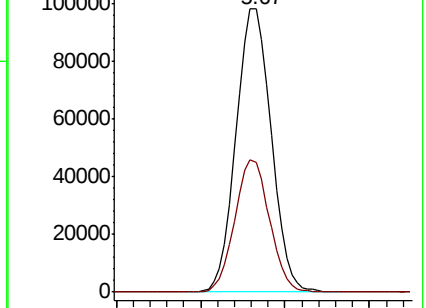
168 100

99 45.8 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010159.D

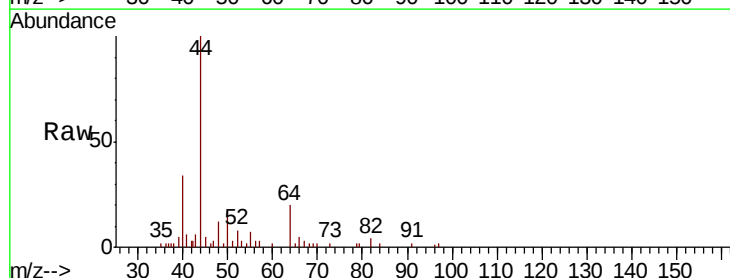
Acq: 08 Jun 2019 23:20

Tgt Ion: 50 Resp: 666

Ion Ratio Lower Upper

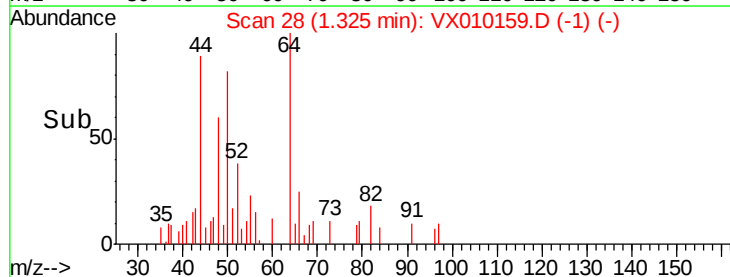
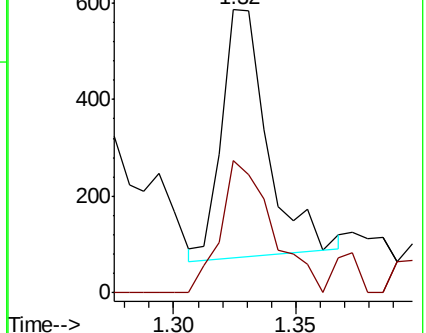
50 100

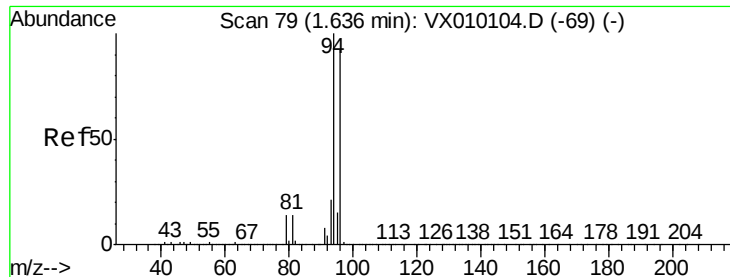
52 40.5 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.364 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

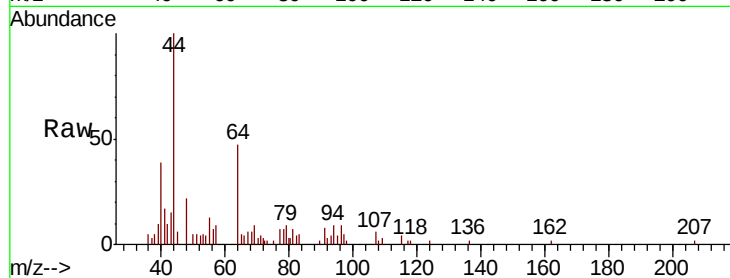
DUP02-20190605

Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

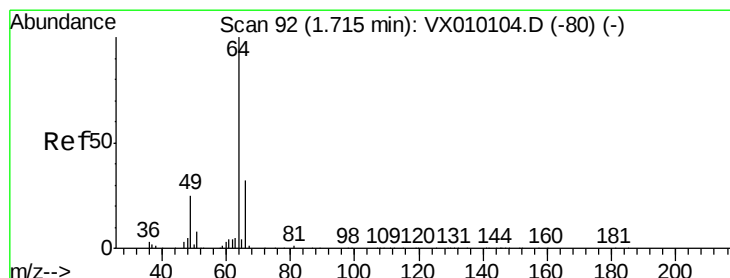
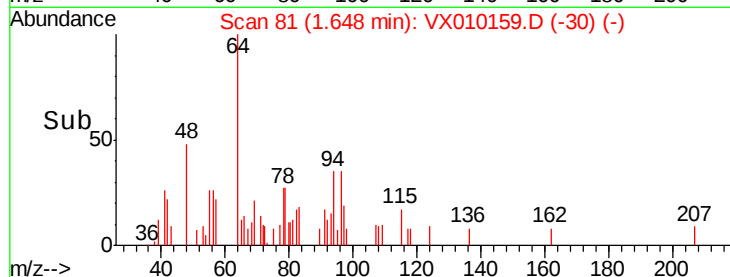
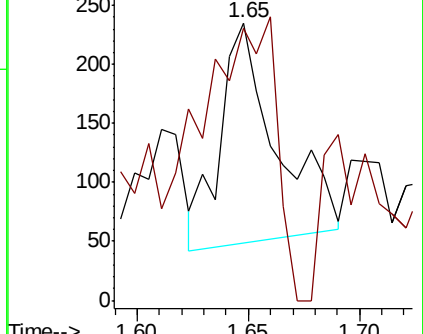
94 100

96 53.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.435 ug/l

RT: 1.65 min Scan# 81

Delta R.T. -0.07 min

Lab File: VX010159.D

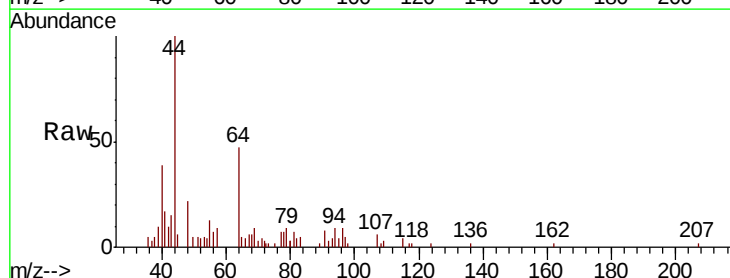
Acq: 08 Jun 2019 23:20

Tgt Ion: 64 Resp: 524

Ion Ratio Lower Upper

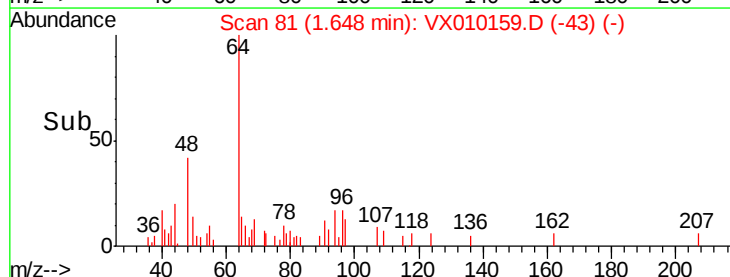
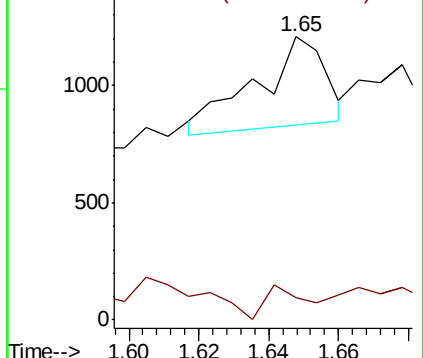
64 100

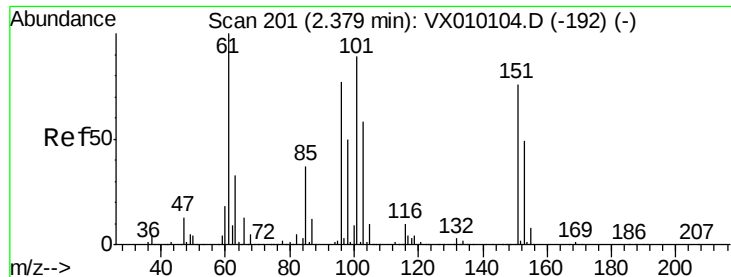
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.627 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190605

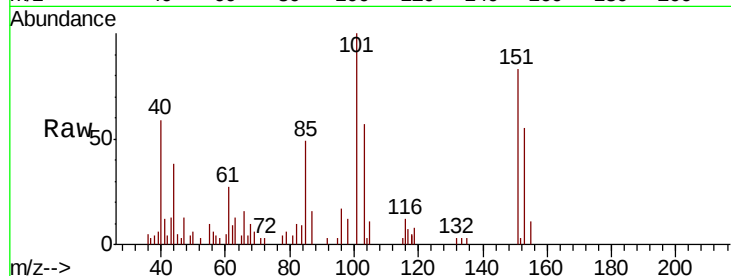
Tgt Ion:101 Resp: 3979

Ion Ratio Lower Upper

101 100

85 46.8 35.2 52.8

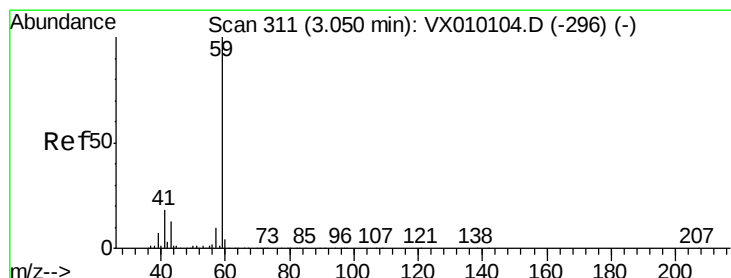
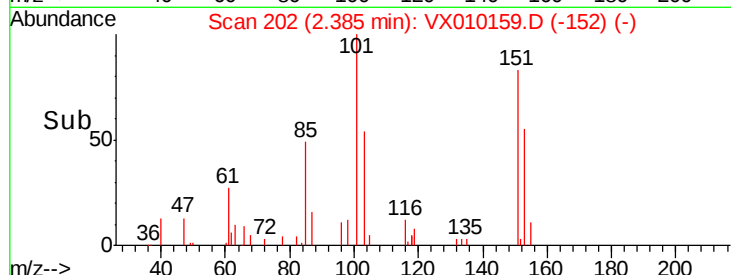
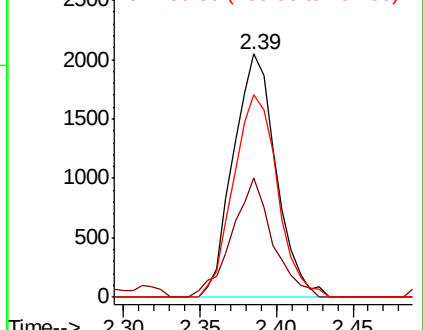
151 85.9 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 3.241 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010159.D

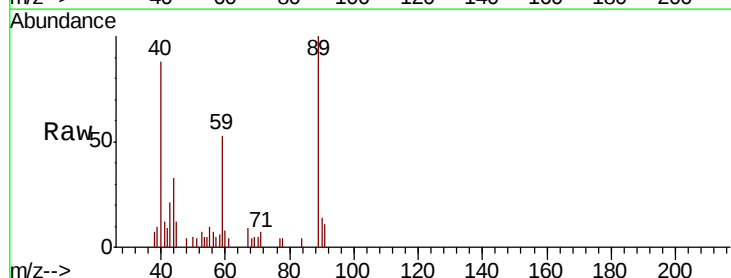
Acq: 08 Jun 2019 23:20

Tgt Ion: 59 Resp: 2155

Ion Ratio Lower Upper

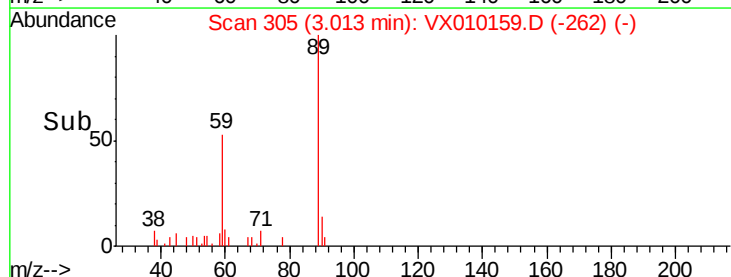
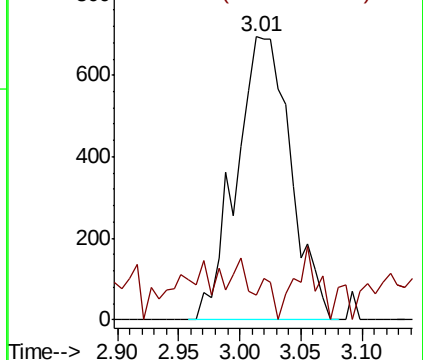
59 100

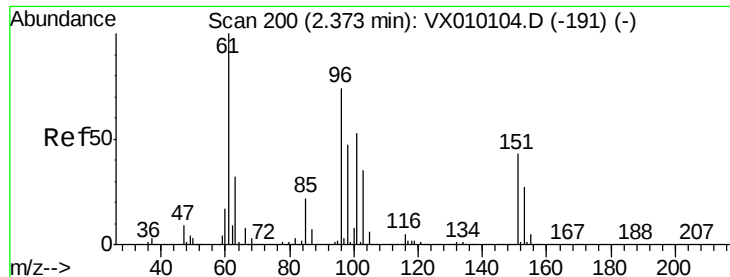
57 2.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

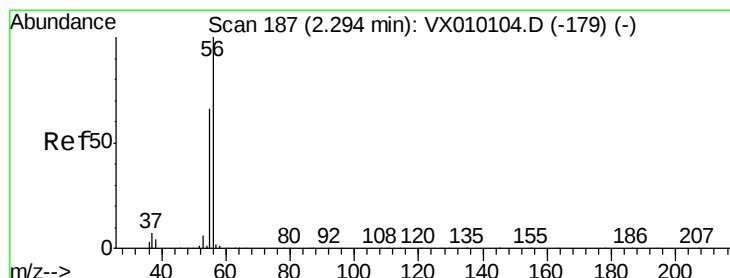
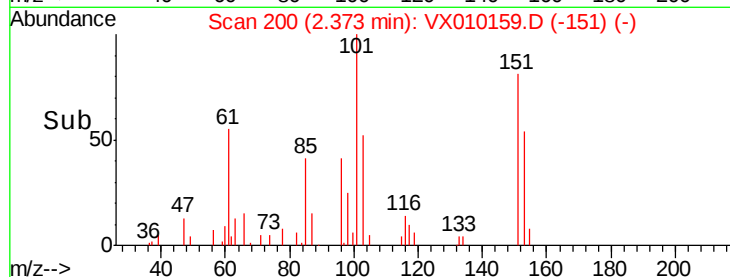
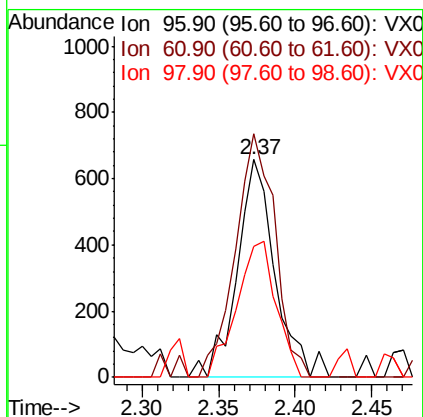
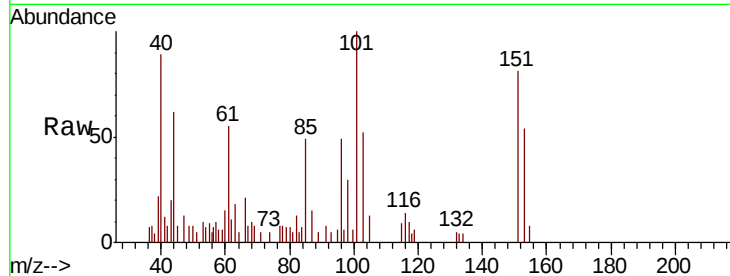




#12
 1,1-Dichloroethene
 Concen: 0.454 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

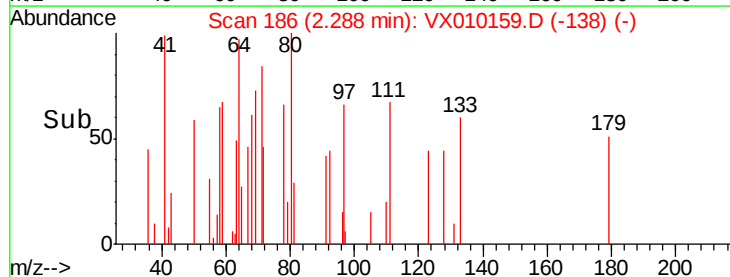
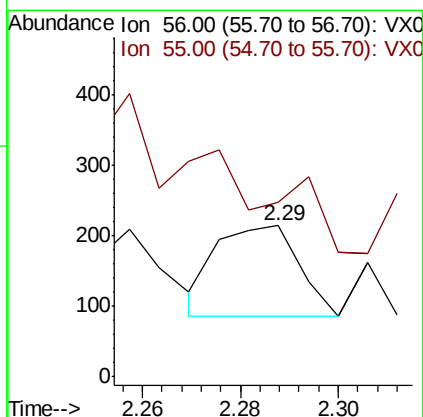
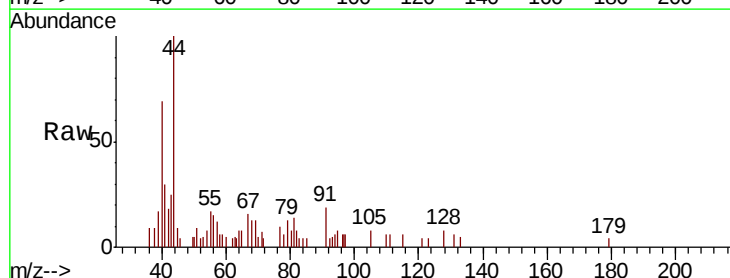
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605

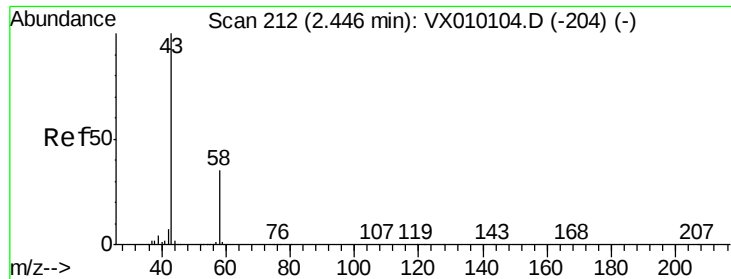
Tgt Ion: 96 Resp: 1133
 Ion Ratio Lower Upper
 96 100
 61 111.9 140.7 211.1#
 98 60.3 50.1 75.1



#13
 Acrolein
 Concen: 1.229 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#

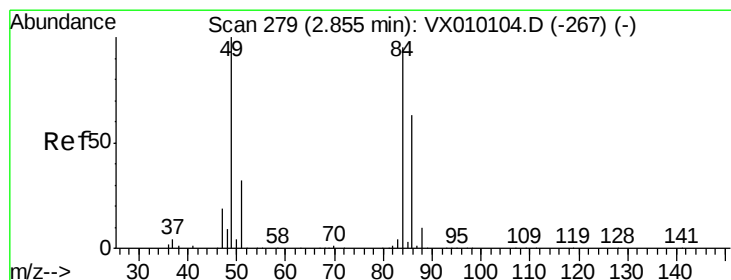
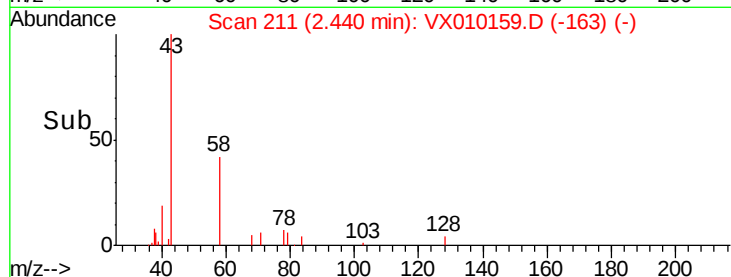
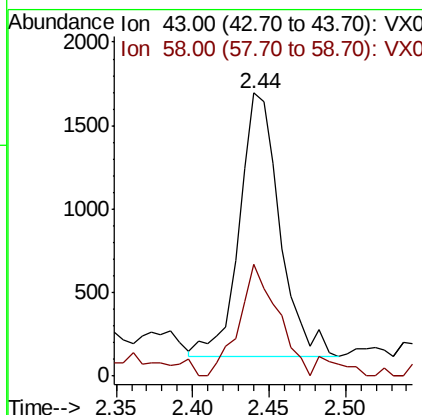
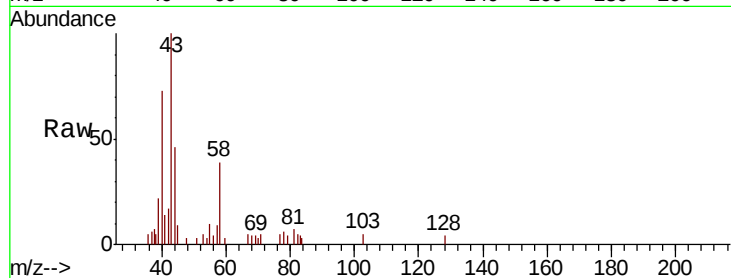




#16
Acetone
Concen: 2.250 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

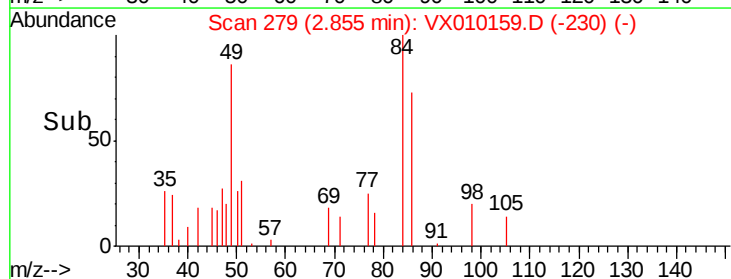
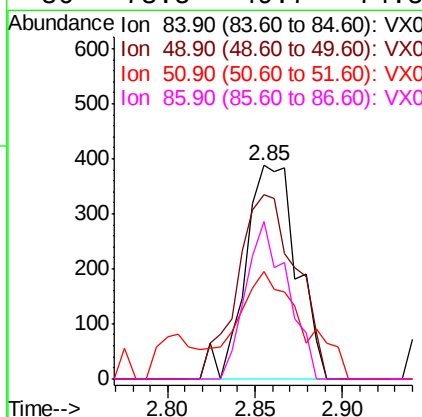
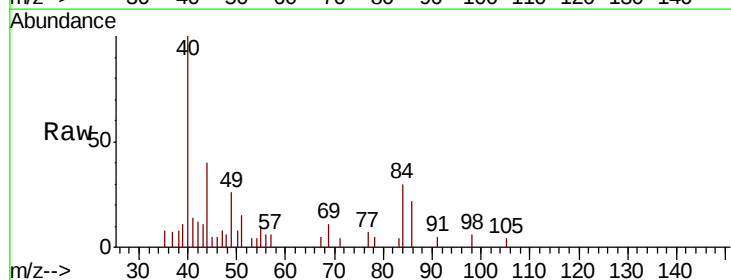
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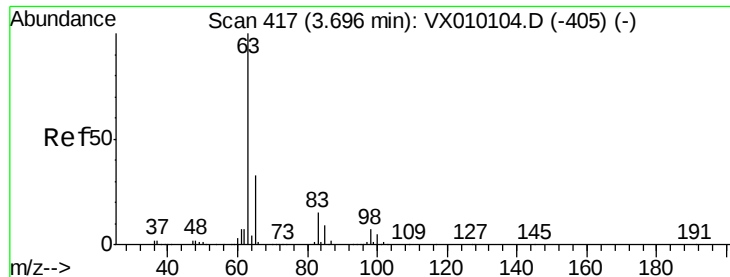
Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
58 37.9 23.2 34.8#



#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion: 84 Resp: 804
Ion Ratio Lower Upper
84 100
49 86.1 115.8 173.6#
51 35.8 34.4 51.6
86 73.5 49.7 74.5





#24

1,1-Dichloroethane

Concen: 0.415 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190605

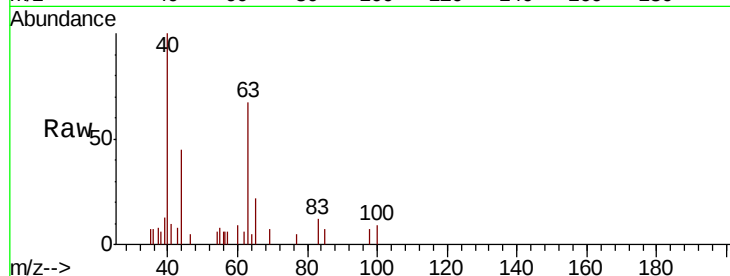
Tgt Ion: 63 Resp: 1815

Ion Ratio Lower Upper

63 100

98 9.8 2.9 8.8#

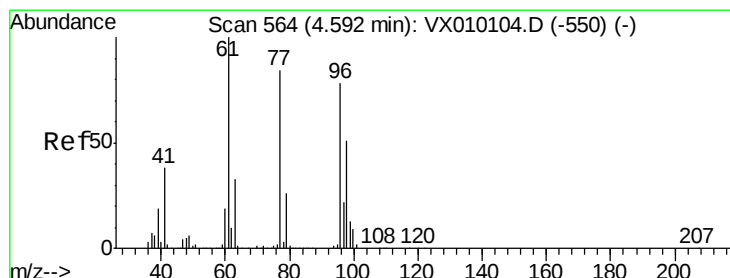
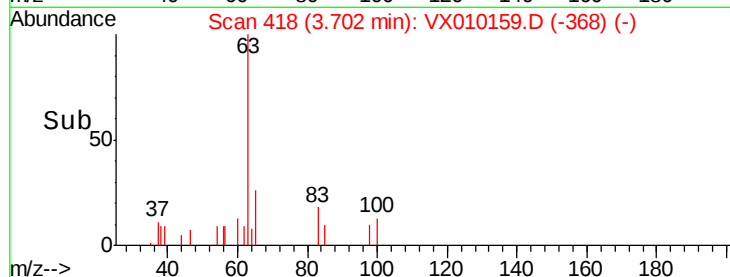
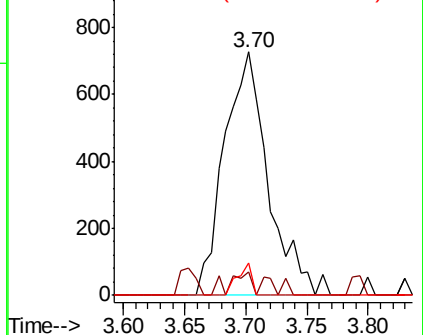
100 13.5 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.478 ug/l

RT: 4.62 min Scan# 568

Delta R.T. 0.02 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

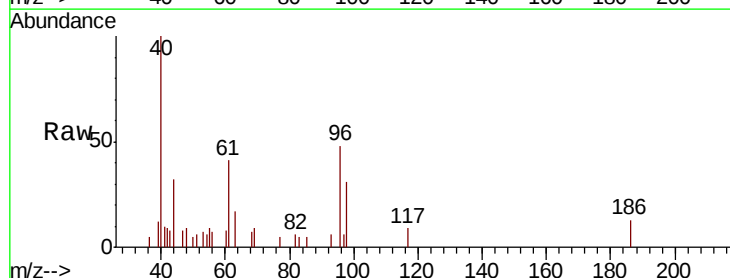
Tgt Ion: 96 Resp: 1470

Ion Ratio Lower Upper

96 100

61 122.6 0.0 334.0

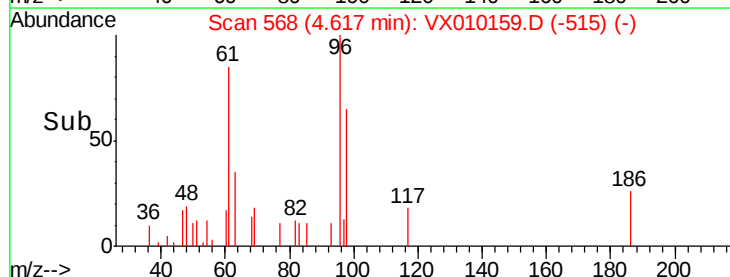
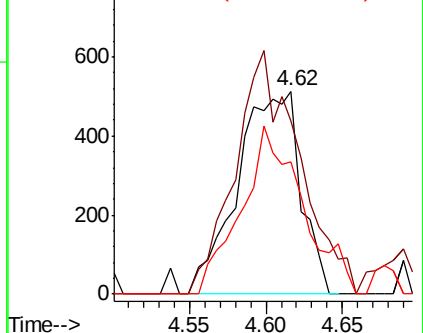
98 80.8 0.0 131.6

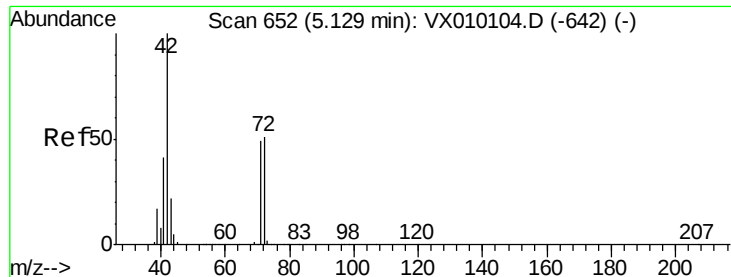


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

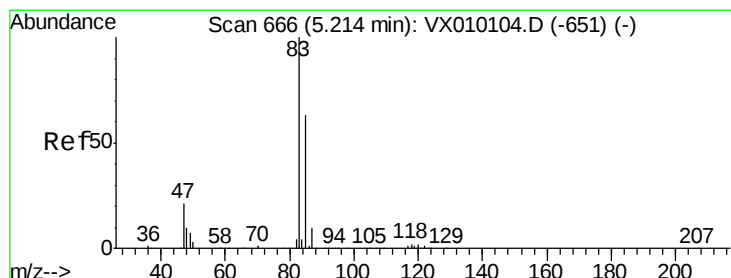
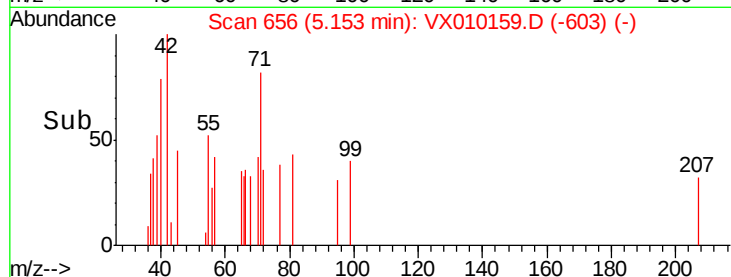
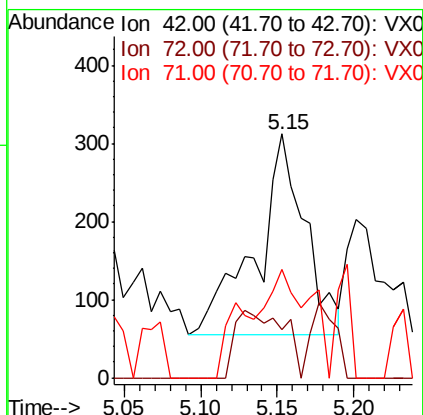
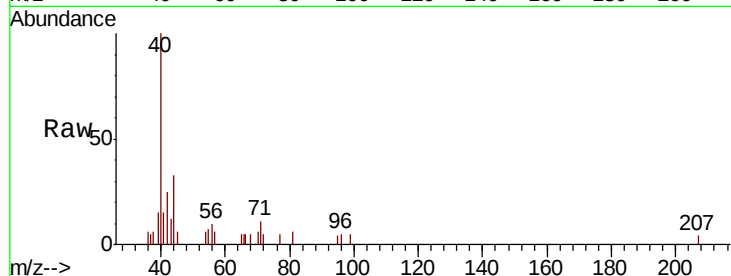




#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

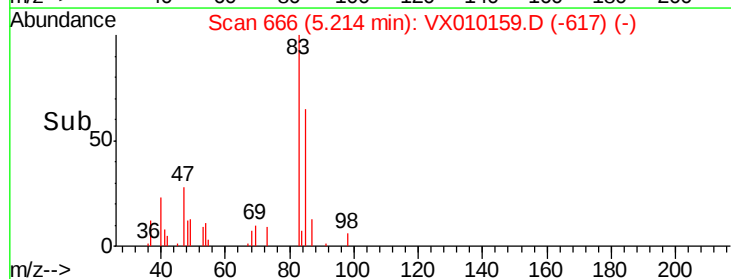
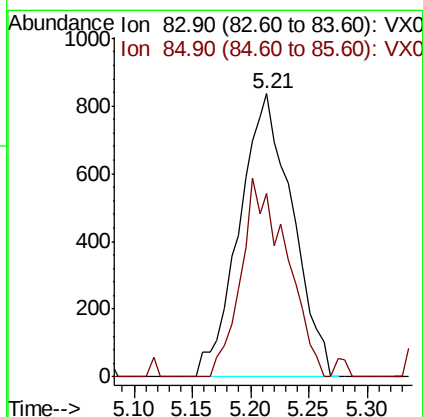
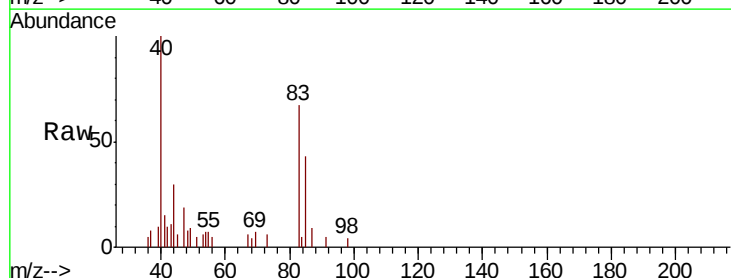
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

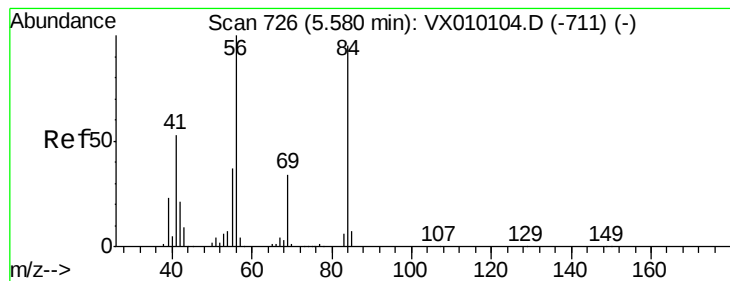
Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 0.0 29.2 43.8#
71 47.9 27.6 41.4#



#30
Chloroform
Concen: 0.582 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion: 83 Resp: 2644
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8





#31

Cyclohexane

Concen: 1.151 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190605

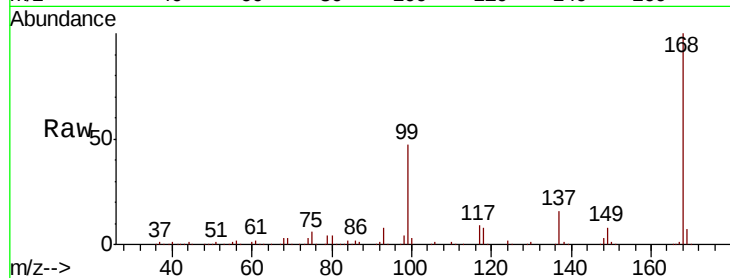
Tgt Ion: 56 Resp: 4546

Ion Ratio Lower Upper

56 100

69 175.4 21.6 32.4#

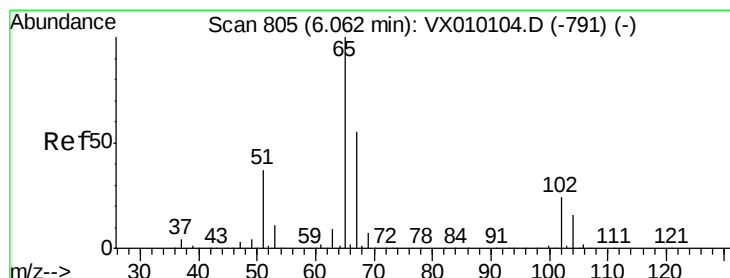
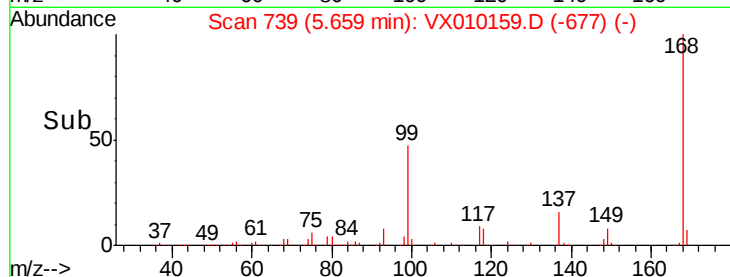
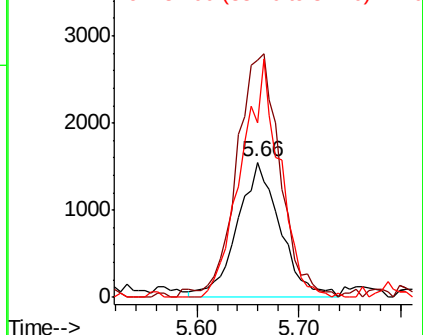
84 128.8 56.8 85.2#



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: 46.460 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010159.D

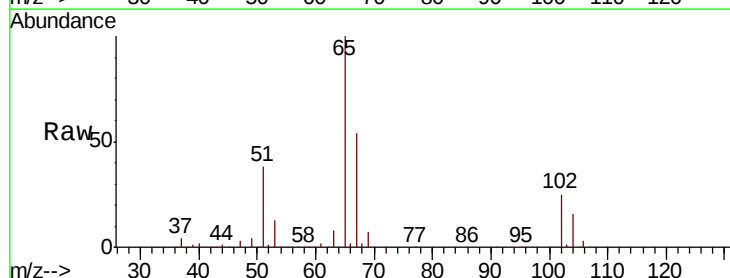
Acq: 08 Jun 2019 23:20

Tgt Ion: 65 Resp: 126096

Ion Ratio Lower Upper

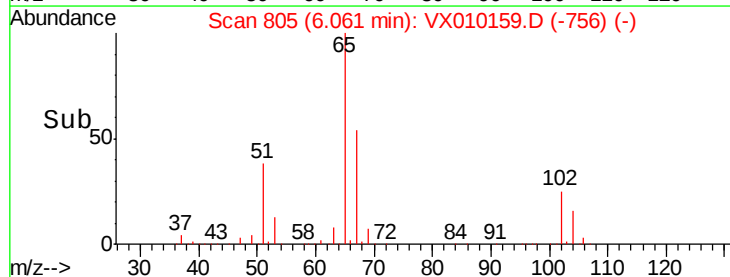
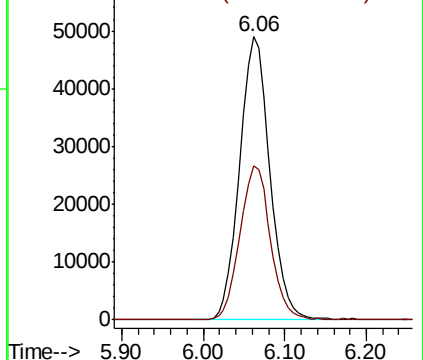
65 100

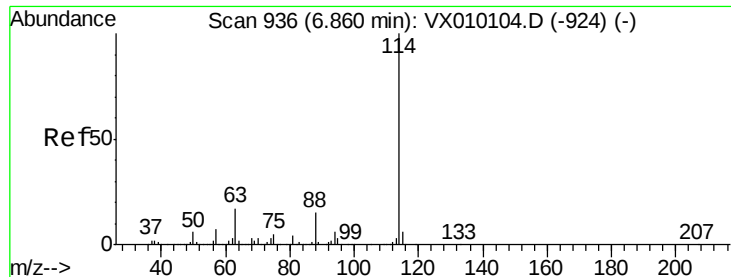
67 55.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190605

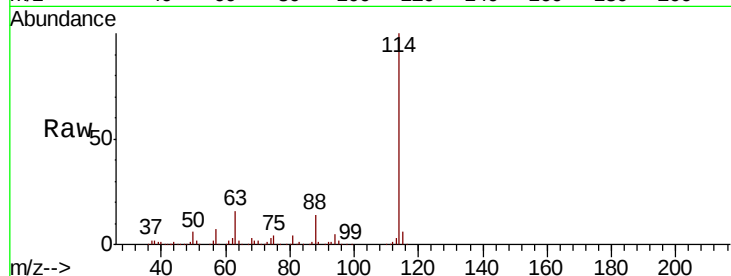
Tgt Ion:114 Resp: 428522

Ion Ratio Lower Upper

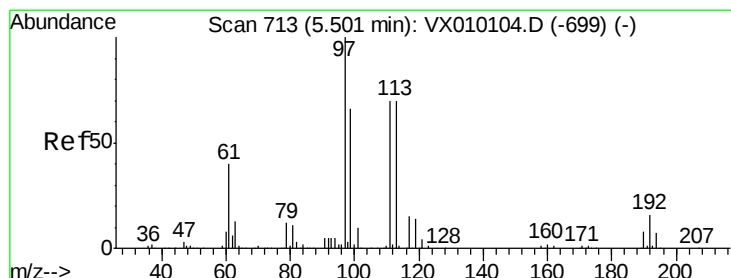
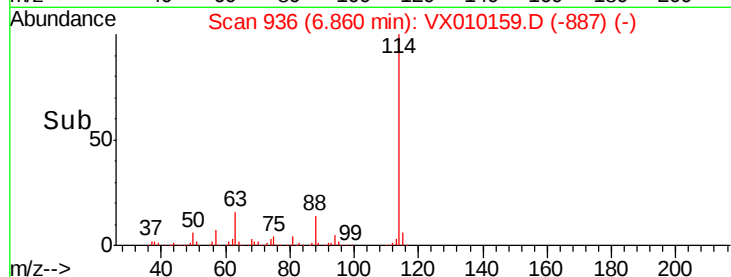
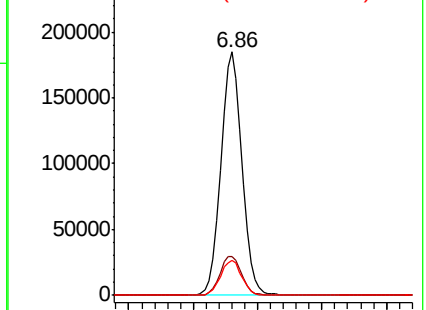
114 100

63 16.2 0.0 47.4

88 14.3 0.0 33.0



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



#35

Dibromofluoromethane

Concen: 49.423 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

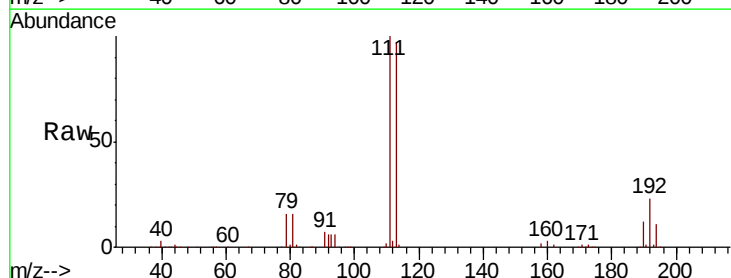
Tgt Ion:113 Resp: 130637

Ion Ratio Lower Upper

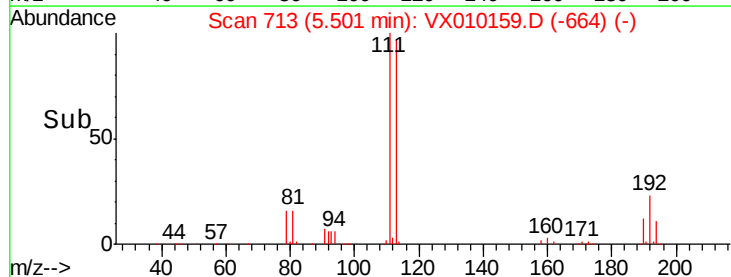
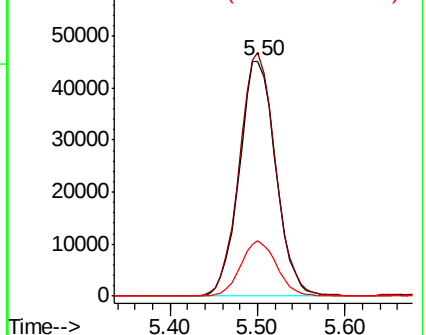
113 100

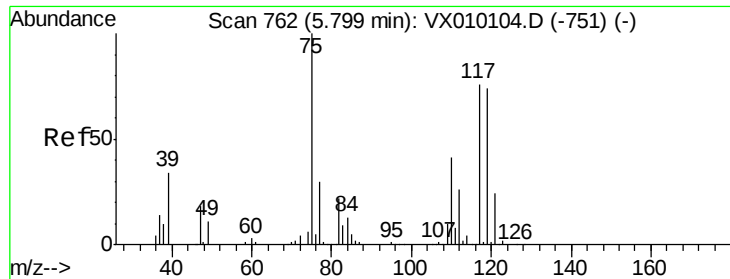
111 102.8 82.2 123.2

192 23.3 17.1 25.7



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

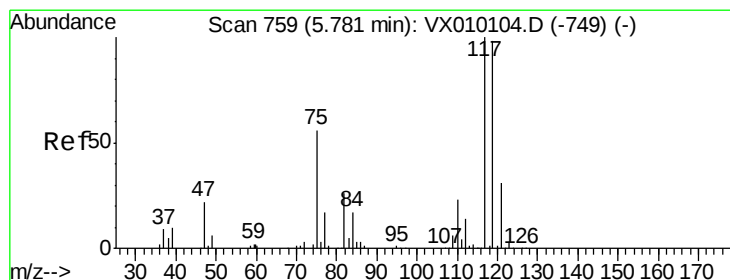
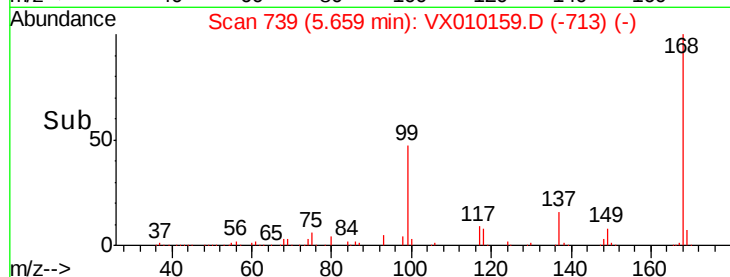
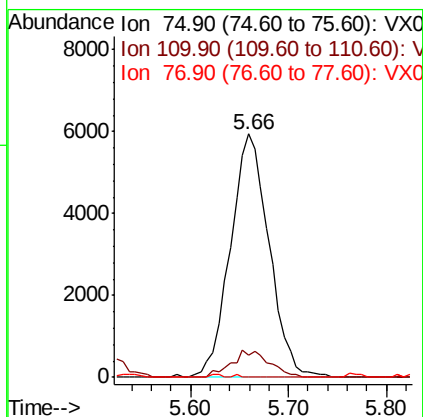
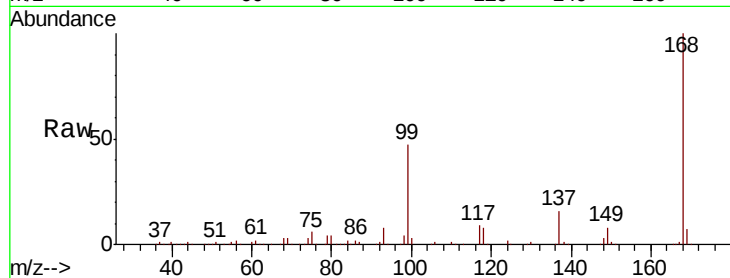




#36
 1,1-Dichloropropene
 Concen: 4.651 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

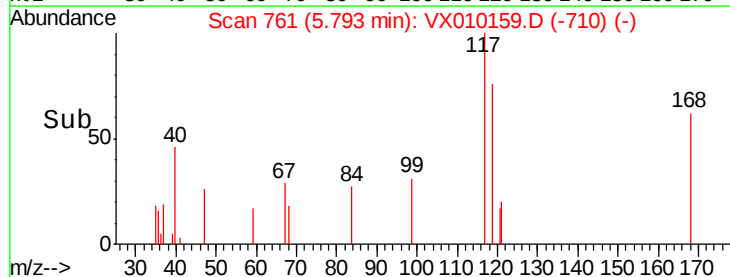
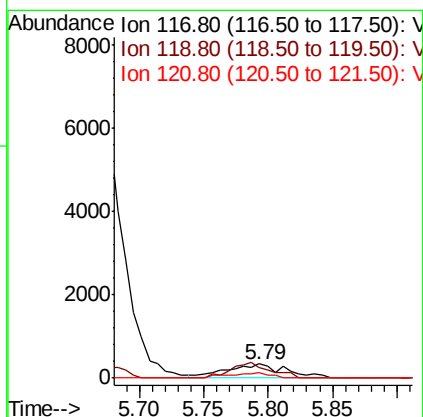
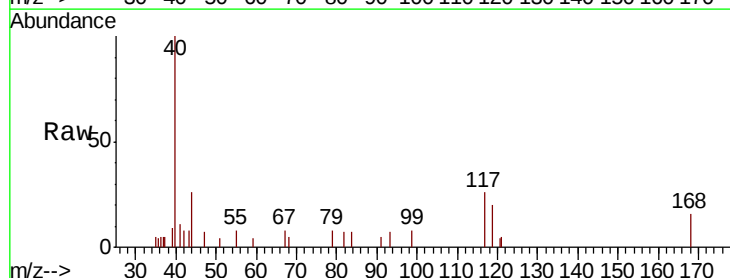
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605

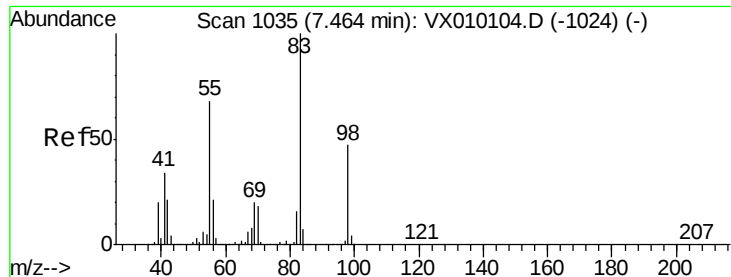
Tgt Ion: 75 Resp: 16261
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.7 50.1#
 77 0.2 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 0.276 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

Tgt Ion: 117 Resp: 1093
 Ion Ratio Lower Upper
 117 100
 119 76.1 77.3 115.9#
 121 36.3 25.4 38.0

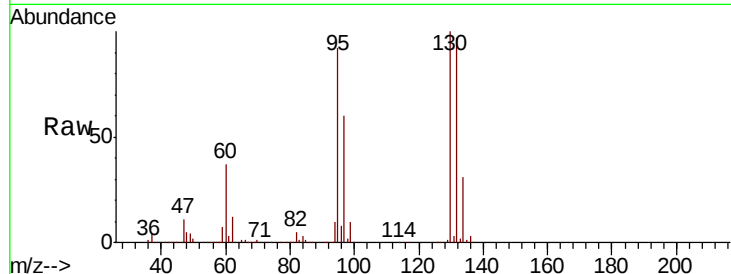




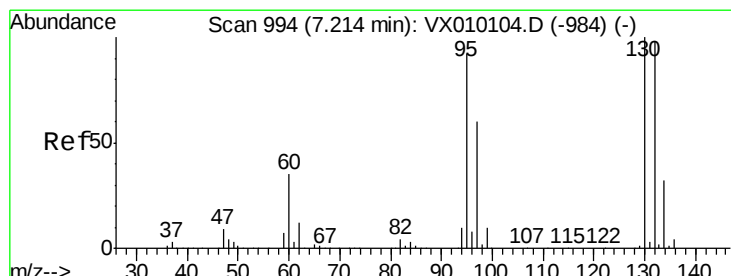
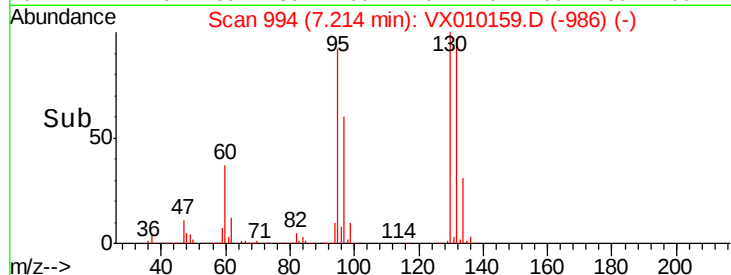
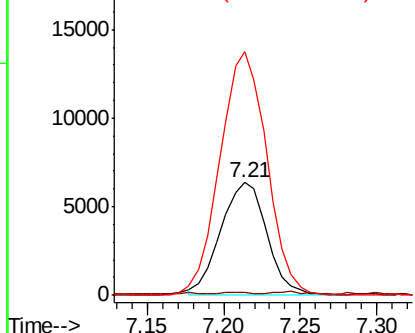
#39
Methylcyclohexane
Concen: 2.795 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

Tgt Ion: 83 Resp: 13308
Ion Ratio Lower Upper
83 100
55 1.4 69.9 104.9#
98 215.2 35.1 52.7#

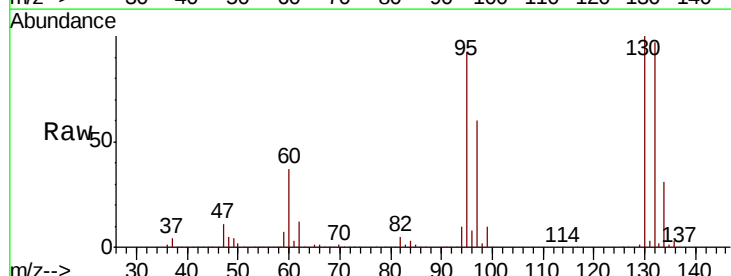


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

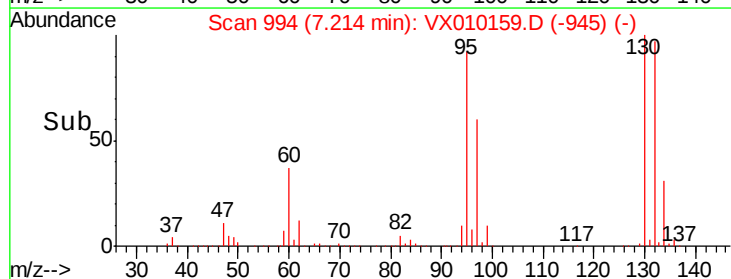
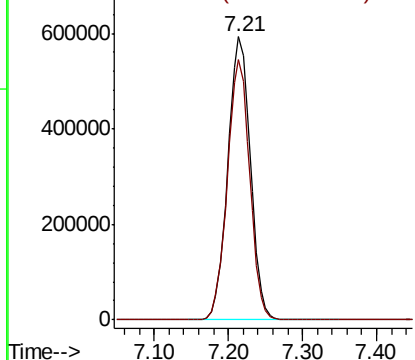


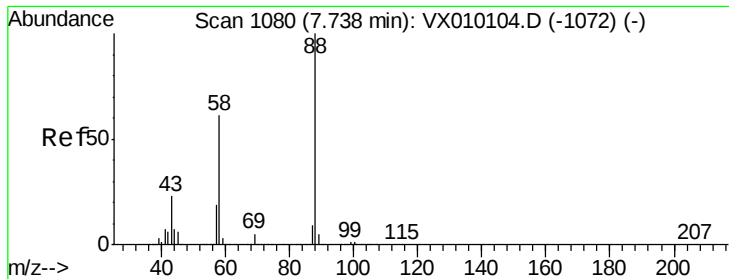
#44
Trichloroethene
Concen: 387.058 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion: 130 Resp: 1261276
Ion Ratio Lower Upper
130 100
95 92.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

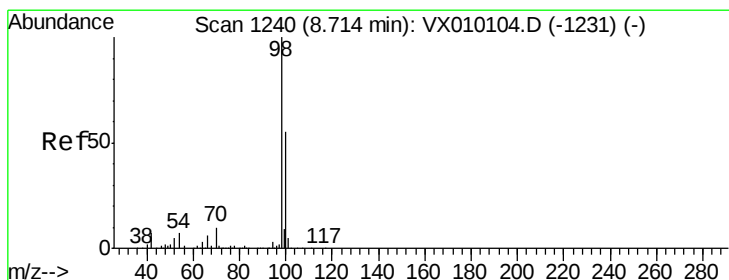
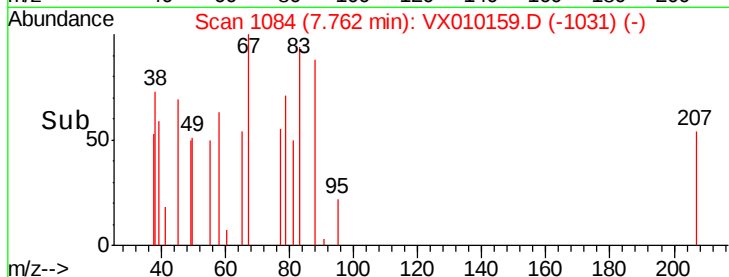
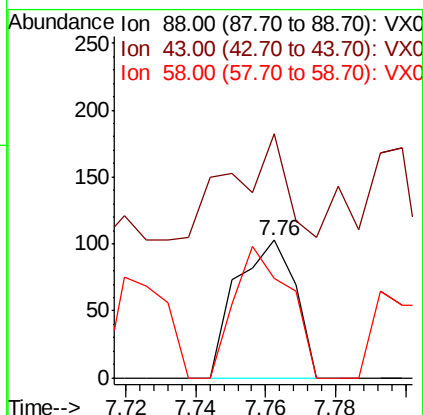
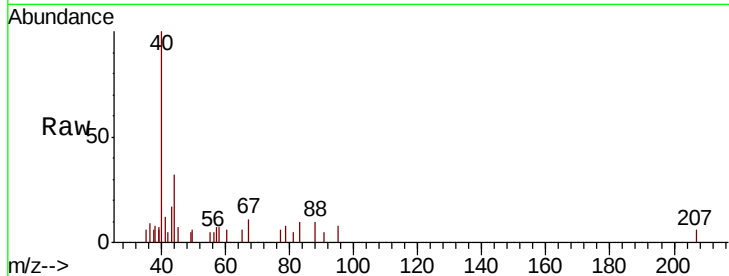




#49
1,4-Dioxane
Concen: 1.480 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

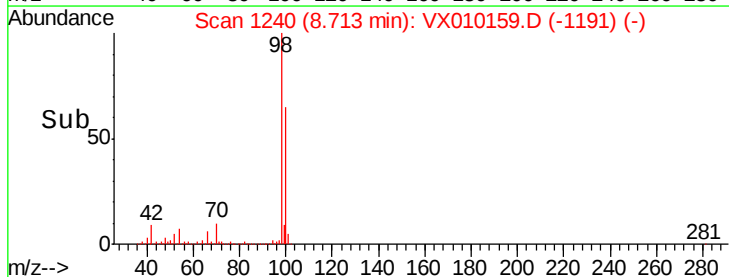
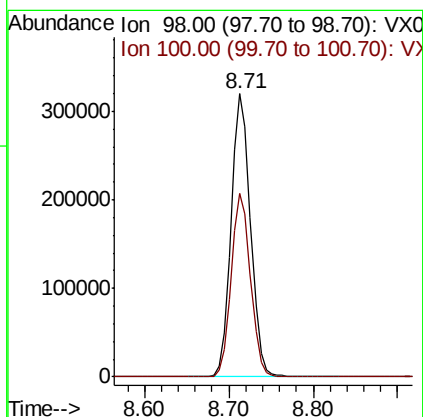
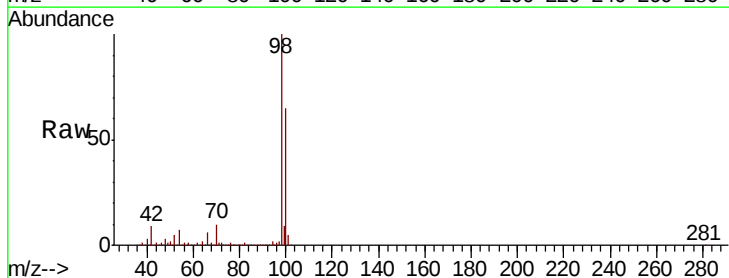
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

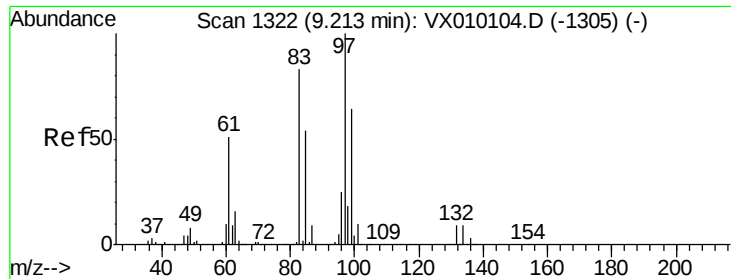
Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 108.3 30.2 45.4#
58 89.2 64.0 96.0



#50
Toluene-d8
Concen: 50.367 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion: 98 Resp: 498956
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

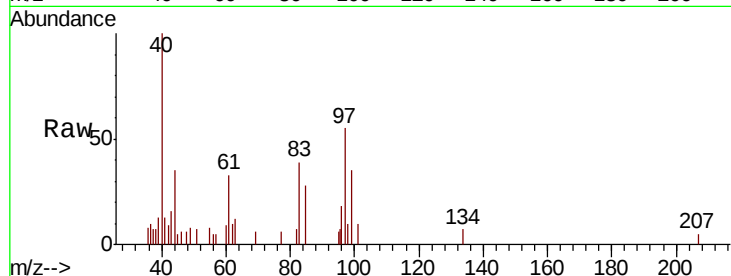




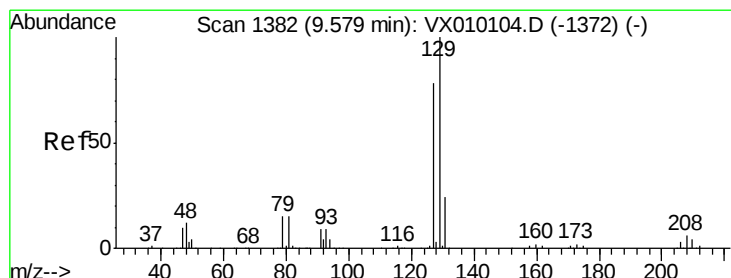
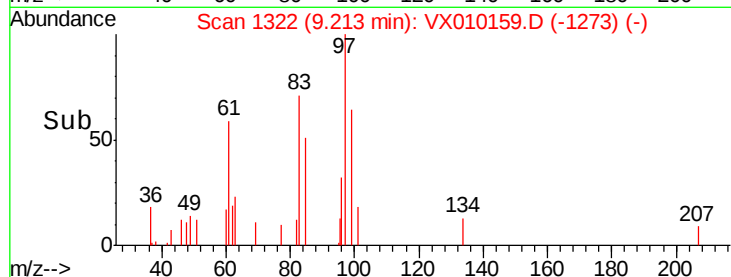
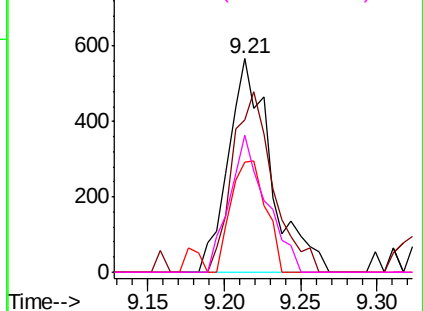
#55
 1,1,2-Trichloroethane
 Concen: 0.378 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190605

Tgt Ion:	97	Resp:	1101
Ion	Ratio	Lower	Upper
97	100		
83	71.3	69.8	104.8
85	51.5	45.3	67.9
99	64.0	49.0	73.4

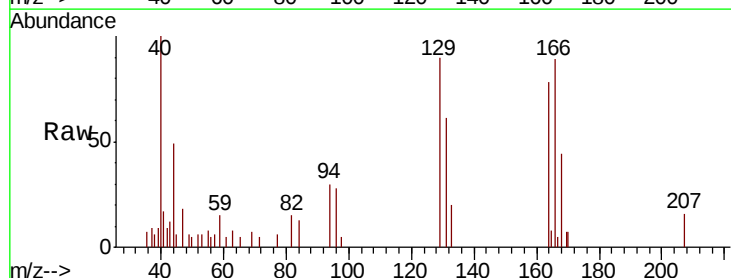


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

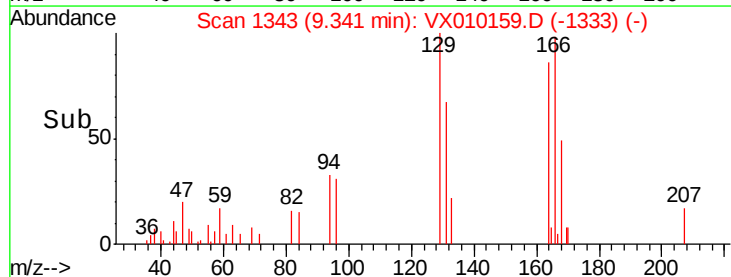
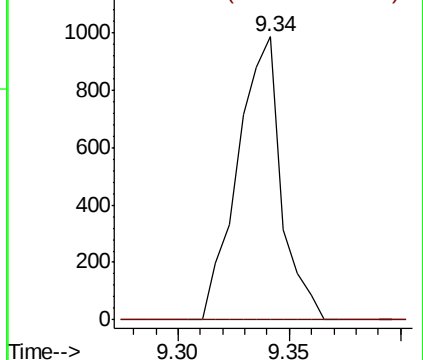


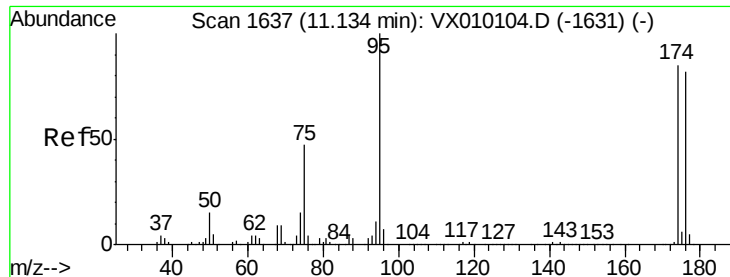
#60
 Dibromochloromethane
 Concen: 0.390 ug/l
 RT: 9.34 min Scan# 1343
 Delta R.T. -0.24 min
 Lab File: VX010159.D
 Acq: 08 Jun 2019 23:20

Tgt Ion:	129	Resp:	1343
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.5#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

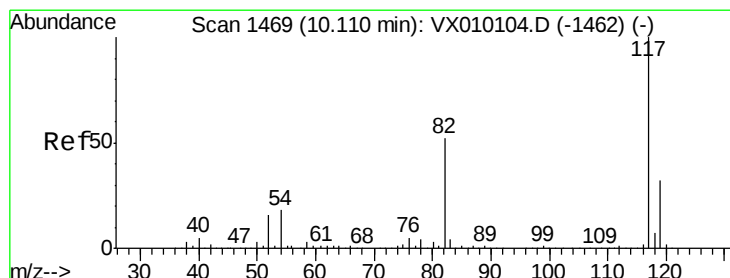
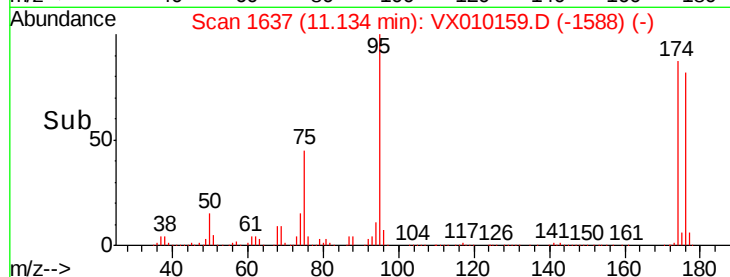
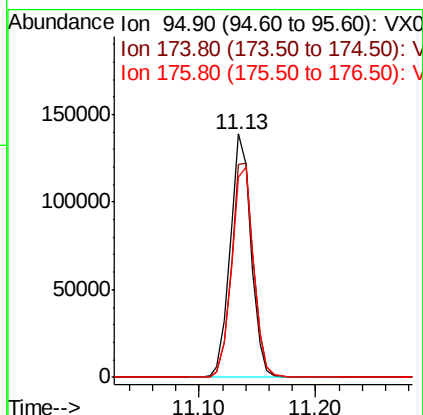
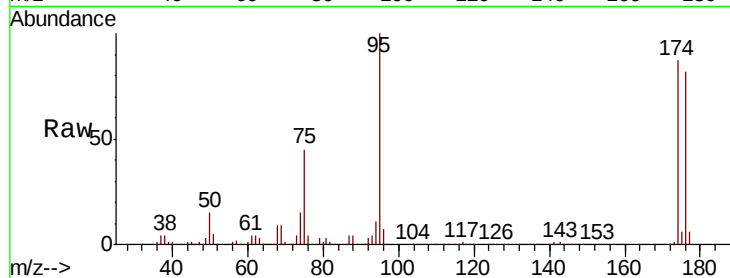




#62
4-Bromofluorobenzene
Concen: 46.984 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

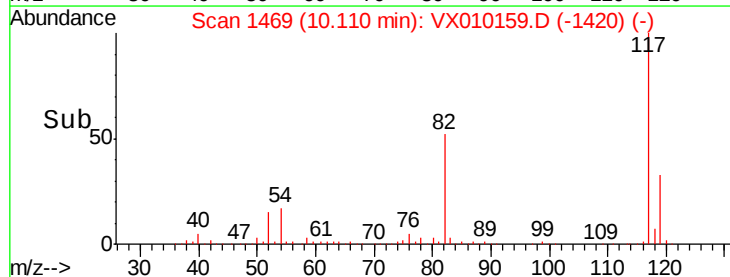
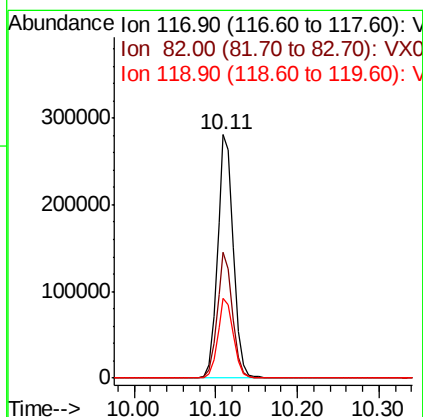
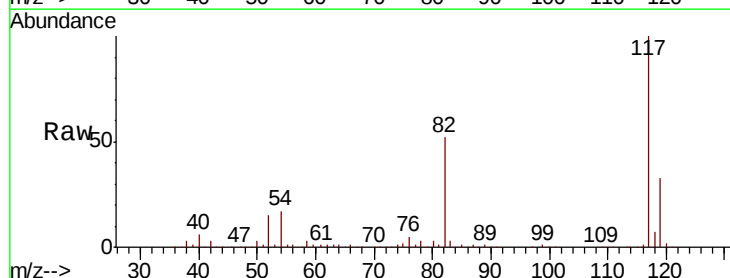
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

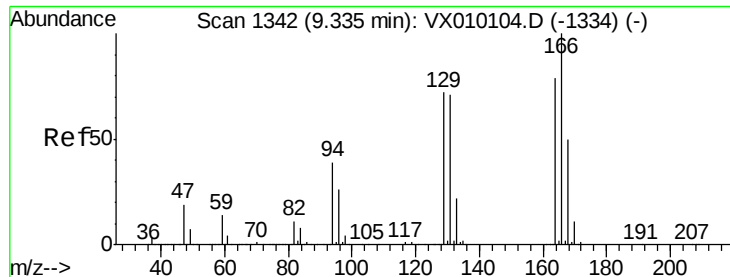
Tgt Ion: 95 Resp: 173825
Ion Ratio Lower Upper
95 100
174 92.7 0.0 160.4
176 89.9 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion: 117 Resp: 382227
Ion Ratio Lower Upper
117 100
82 51.6 49.2 73.8
119 32.5 25.2 37.8

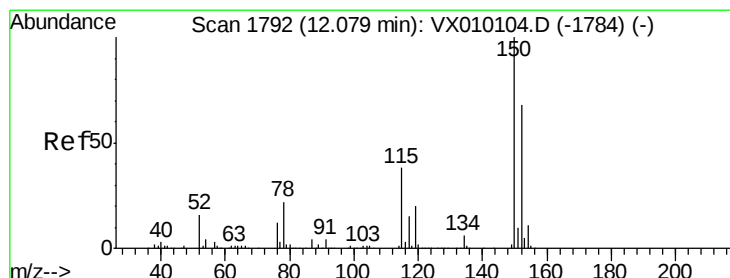
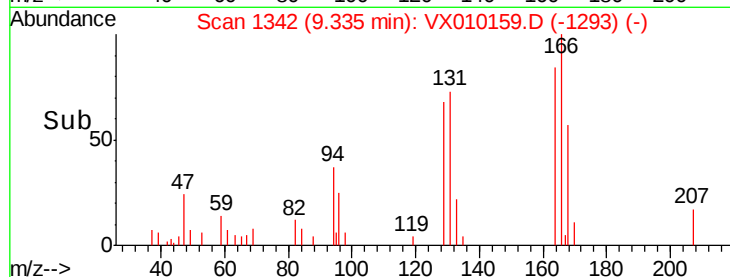
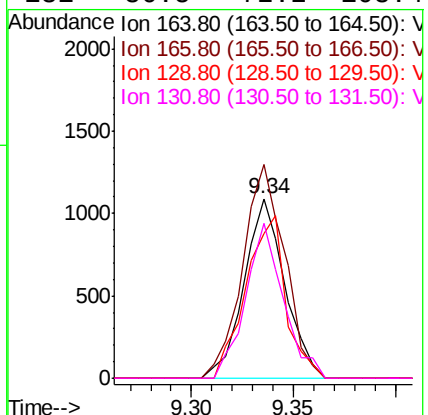
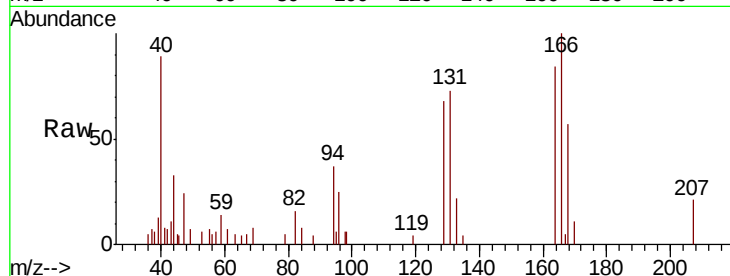




#64
Tetrachloroethene
Concen: 0.533 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

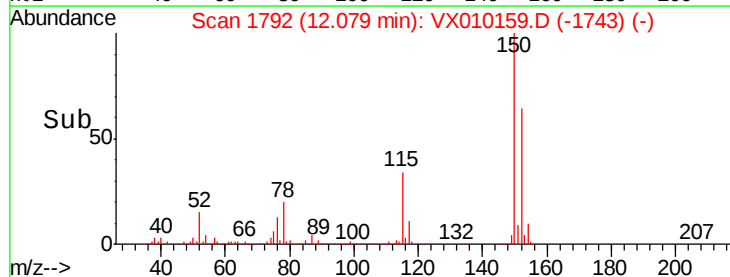
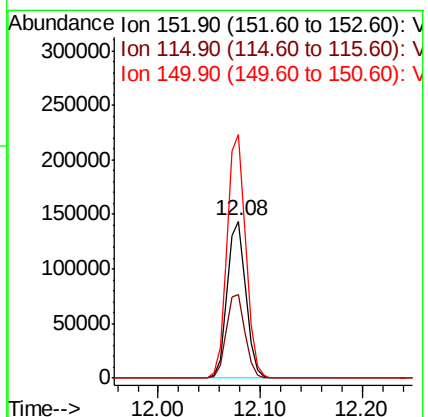
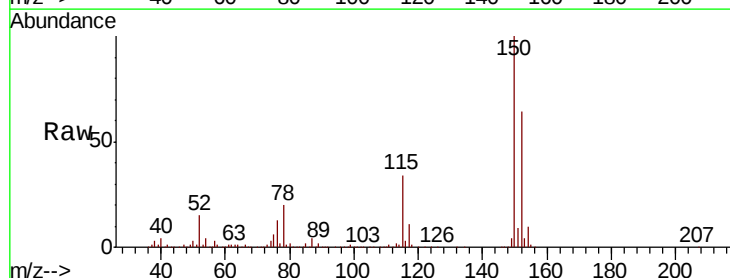
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190605

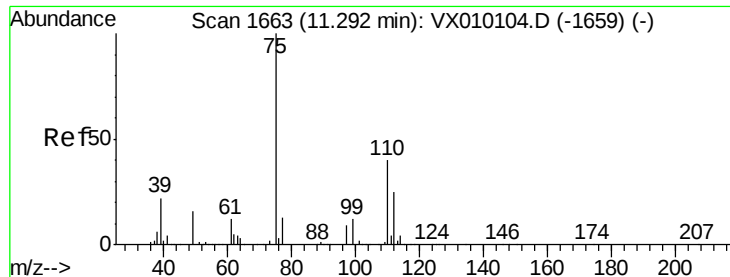
Tgt Ion:164 Resp: 1513
Ion Ratio Lower Upper
164 100
166 119.2 105.0 157.4
129 80.8 75.1 112.7
131 86.5 72.2 108.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010159.D
Acq: 08 Jun 2019 23:20

Tgt Ion:152 Resp: 179890
Ion Ratio Lower Upper
152 100
115 54.2 41.4 124.2
150 156.0 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 21.846 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

Instrument :

MSVOA_X

ClientSampleId :

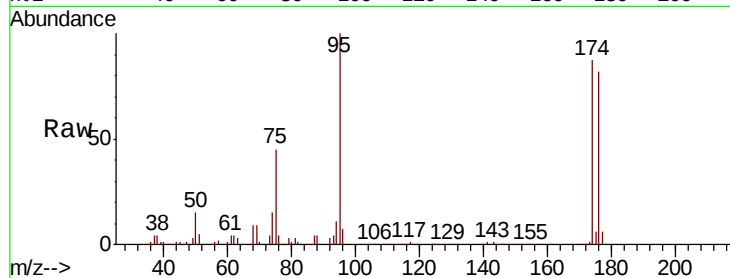
DUP02-20190605

Tgt Ion: 75 Resp: 78606

Ion Ratio Lower Upper

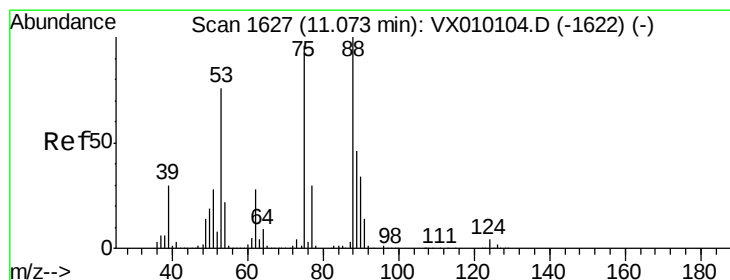
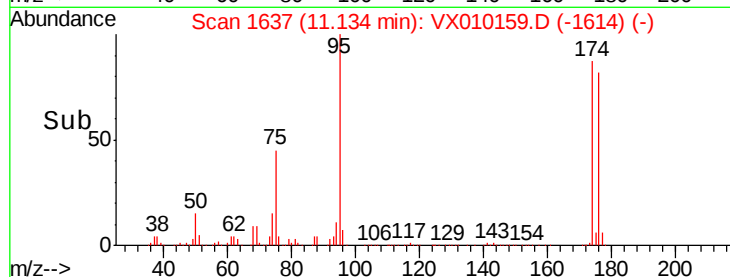
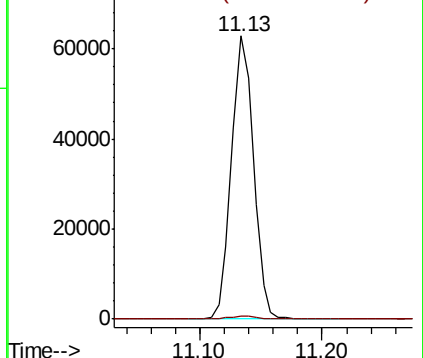
75 100

77 1.2 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: 48.268 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010159.D

Acq: 08 Jun 2019 23:20

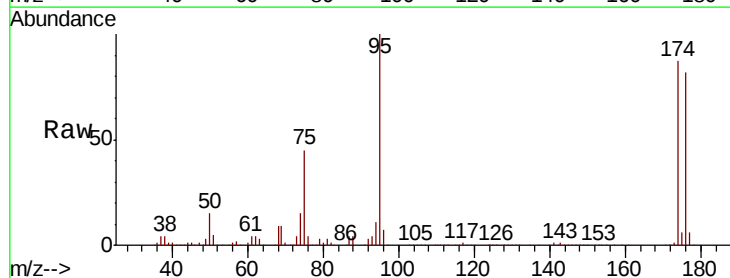
Tgt Ion: 75 Resp: 78606

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

