

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006822.D
 Acq On : 26 Dec 2018 16:56
 Operator : JC/MD
 Sample : J6549-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Quant Time: Dec 27 03:05:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	750468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1089882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1003618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	512931	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	365156	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	
35) Dibromofluoromethane	5.50	113	332933	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1283490	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	477215	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5682	0.768	ug/l #	78
4) Vinyl Chloride	1.41	62	75641	9.792	ug/l	100
5) Bromomethane	1.64	94	843	Below Cal		97
6) Chloroethane	1.60	64	94841	17.731	ug/l #	50
11) Tert butyl alcohol	3.07	59	6042	3.347	ug/l #	80
13) Acrolein	2.31	56	251	0.206	ug/l #	13
16) Acetone	2.45	43	12588	3.388	ug/l	100
17) Carbon Disulfide	2.57	76	6515	0.367	ug/l	99
18) Methyl Acetate	2.78	43	7195	0.658	ug/l #	78
20) Methylene Chloride	2.85	84	2793	0.363	ug/l #	96
21) trans-1,2-Dichloroethene	3.17	96	22321	3.004	ug/l	92
25) 2-Butanone	4.70	43	3980	0.761	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	2324623	283.596	ug/l	93
28) Bromochloromethane	5.05	49	259	Below Cal	#	42
31) Cyclohexane	5.57	56	8391	0.749	ug/l #	80
36) 1,1-Dichloropropene	5.66	75	45724	5.065	ug/l #	49
38) Carbon Tetrachloride	5.66	117	64840	7.391	ug/l #	14
39) Methylcyclohexane	7.46	83	11487	0.967	ug/l #	89
40) Benzene	6.14	78	54437	1.984	ug/l	98
44) Trichloroethene	7.21	130	5085	0.612	ug/l	96
49) 1,4-Dioxane	7.76	88	153	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.65	43	3107	0.342	ug/l #	80
52) Toluene	8.79	92	1185560	66.881	ug/l	98
59) 2-Hexanone	9.52	43	3641	0.523	ug/l	85
60) Dibromochloromethane	9.41	129	103	2.337	ug/l #	10
64) Tetrachloroethene	9.34	164	3916	0.493	ug/l #	82
67) Ethyl Benzene	10.25	91	472490	13.618	ug/l	99
68) m/p-Xylenes	10.36	106	1186924	86.696	ug/l	99
69) o-Xylene	10.69	106	627007	46.379	ug/l	97
70) Styrene	10.69	104	31226	1.460	ug/l #	1
71) Bromoform	11.02	173	147	4.482	ug/l #	28
73) Isopropylbenzene	11.02	105	42293	1.205	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	2128	0.204	ug/l #	28
76) 1,2,3-Trichloropropane	11.43	75	9558	1.003	ug/l #	1

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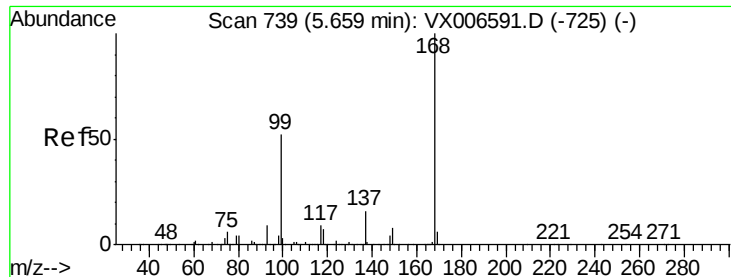
Instrument :
 MSVOA_X
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	11.36	91	105471	2.729	ug/l	98
79) 2-Chlorotoluene	11.43	91	163934	7.001	ug/l #	46
80) 1,3,5-Trimethylbenzene	11.51	105	874842	30.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	225896	70.246	ug/l #	10
82) 4-Chlorotoluene	11.51	91	91683	3.413	ug/l #	43
83) tert-Butylbenzene	11.77	119	47362	1.637	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	1583715	52.094	ug/l	98
85) sec-Butylbenzene	11.80	105	1583715	44.654	ug/l #	55
86) p-Isopropyltoluene	12.06	119	85008	2.727	ug/l	98
89) n-Butylbenzene	12.37	91	128049	4.826	ug/l #	1
90) Hexachloroethane	12.58	117	19796	7.083	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	12.98	75	3272	1.515	ug/l #	1
95) Naphthalene	13.83	128	442317	11.746	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

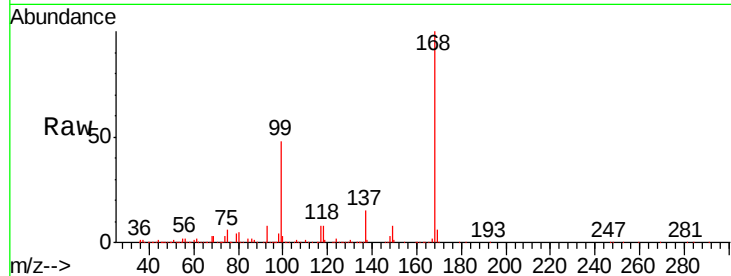
DUP-1

Tgt Ion:168 Resp: 750468

Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

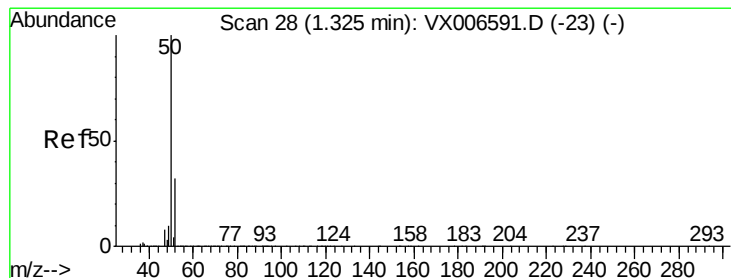
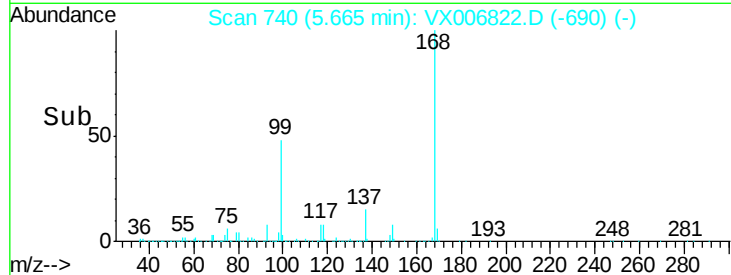
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.768 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006822.D

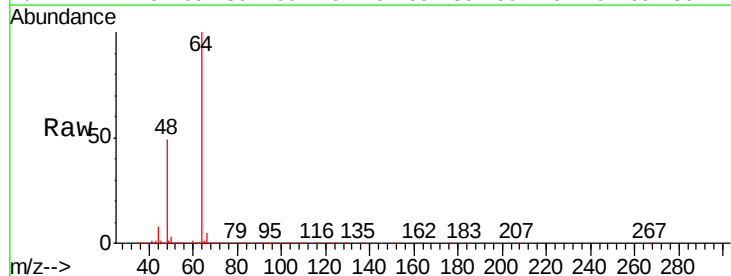
Acq: 26 Dec 2018 16:56

Tgt Ion: 50 Resp: 5682

Ion Ratio Lower Upper

50 100

52 19.3 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

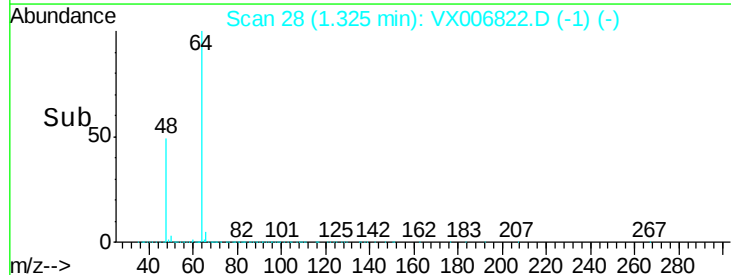
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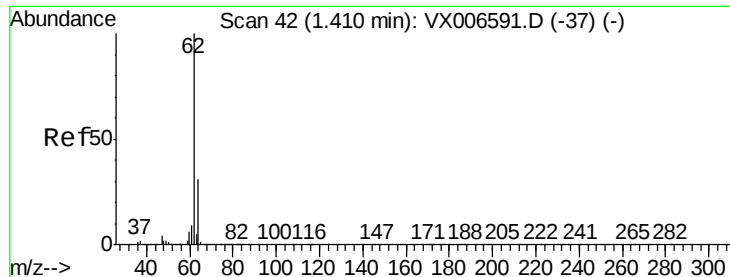
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 9.792 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

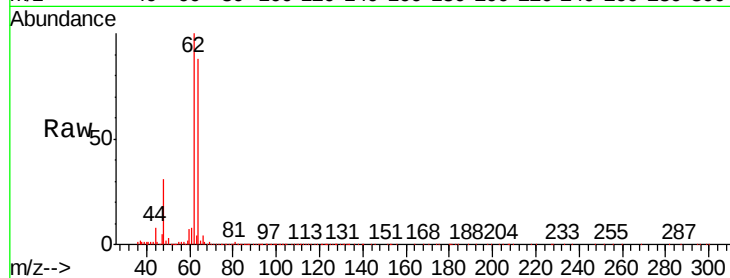
DUP-1

Tgt Ion: 62 Resp: 75641

Ion Ratio Lower Upper

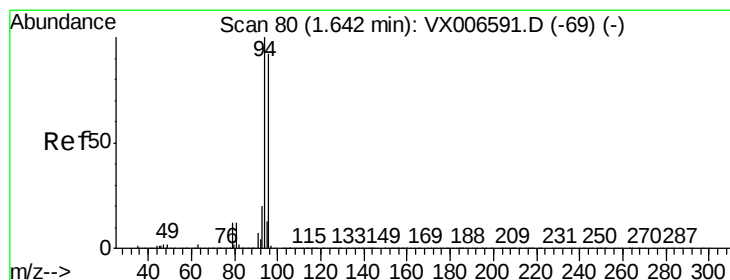
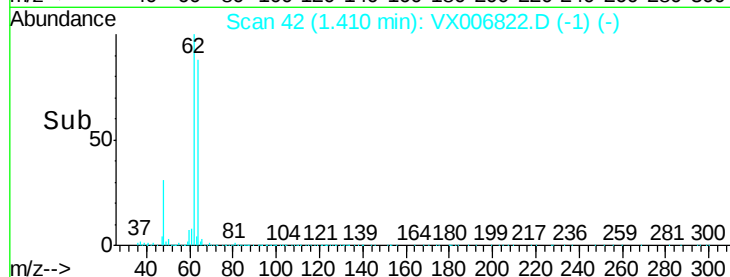
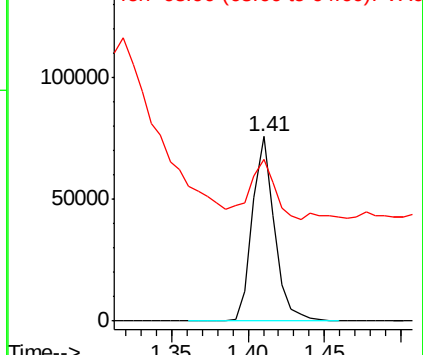
62 100

64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006822.D

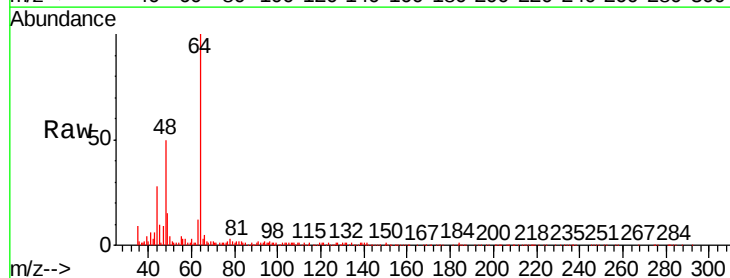
Acq: 26 Dec 2018 16:56

Tgt Ion: 94 Resp: 843

Ion Ratio Lower Upper

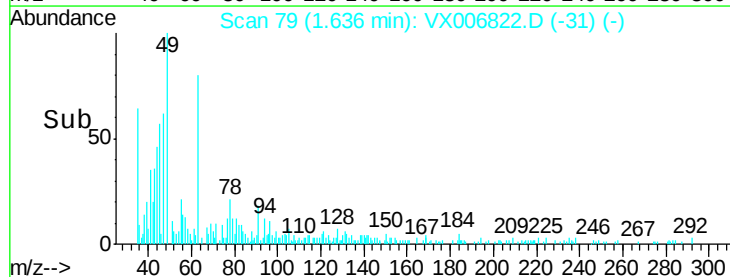
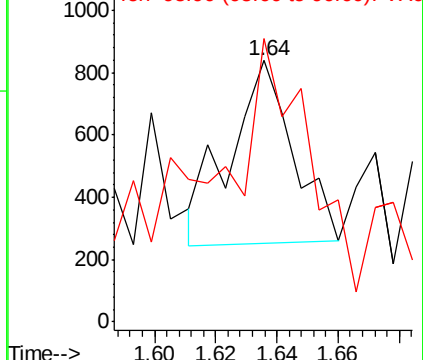
94 100

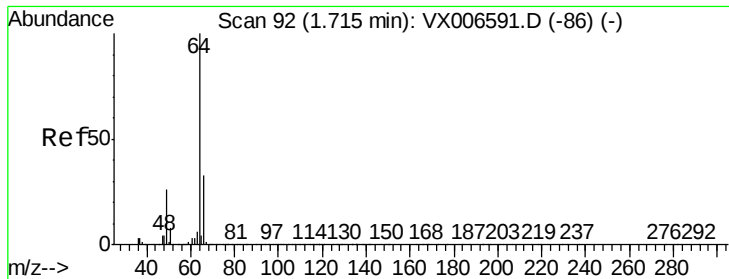
96 88.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 17.731 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

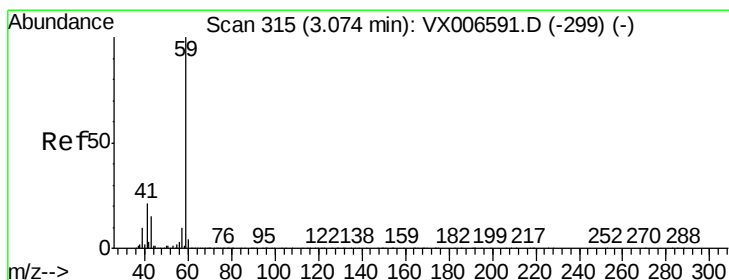
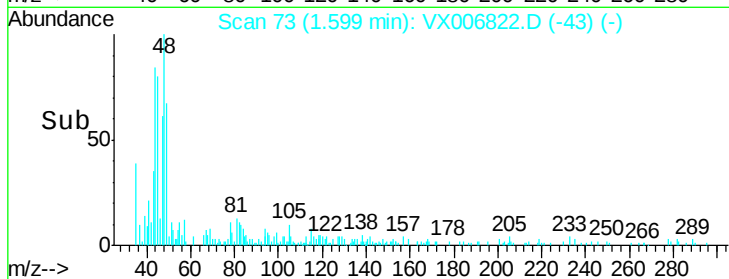
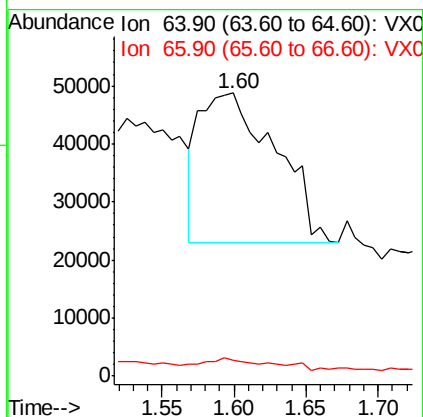
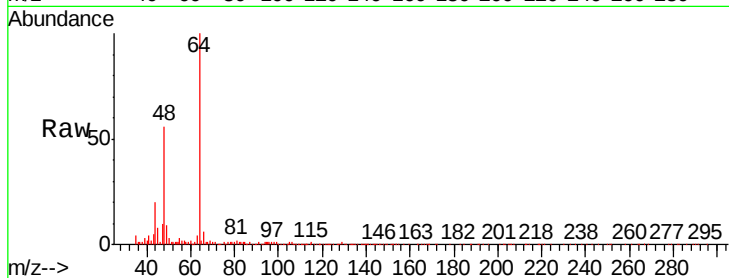
DUP-1

Tgt Ion: 64 Resp: 94841

Ion Ratio Lower Upper

64 100

66 4.9 26.4 39.6#



#11

Tert butyl alcohol

Concen: 3.347 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006822.D

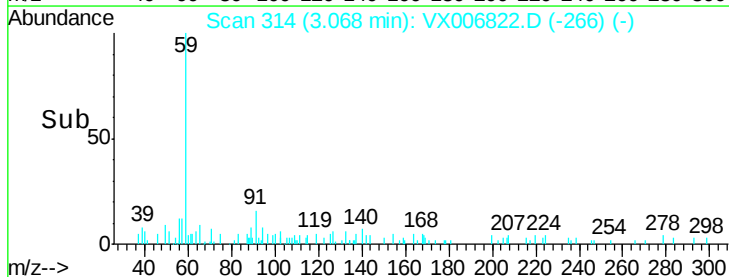
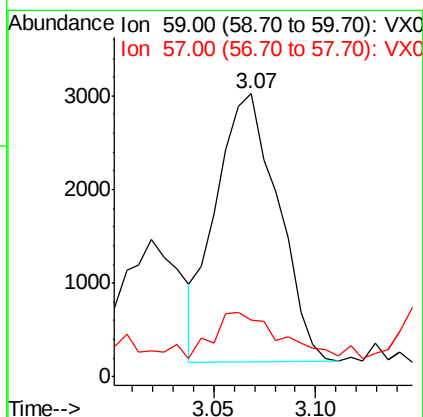
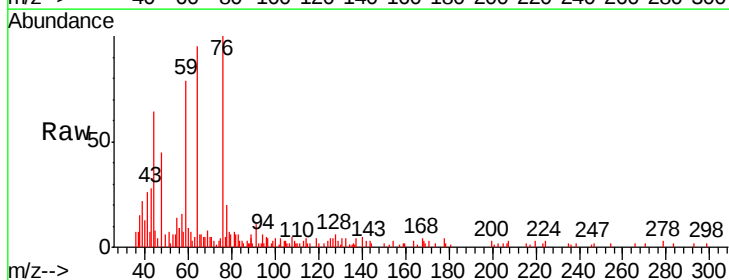
Acq: 26 Dec 2018 16:56

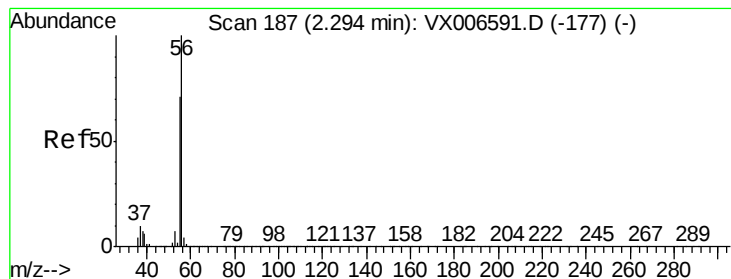
Tgt Ion: 59 Resp: 6042

Ion Ratio Lower Upper

59 100

57 18.1 8.5 12.7#





#13

Acrolein

Concen: 0.206 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

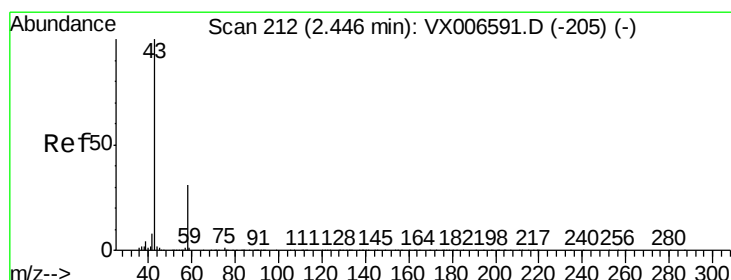
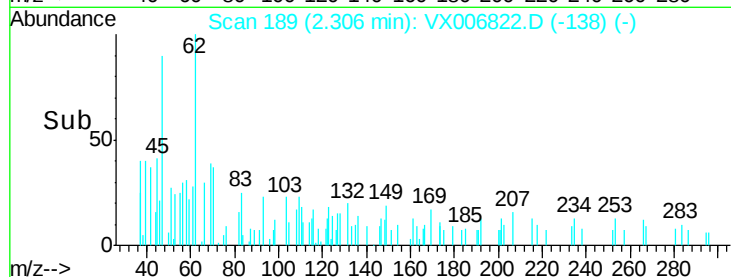
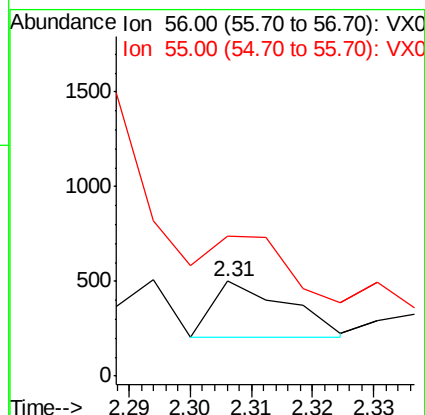
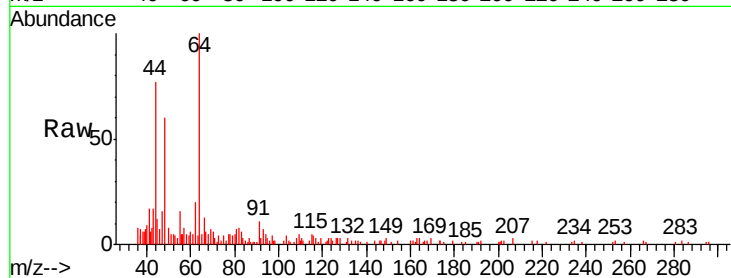
DUP-1

Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#16

Acetone

Concen: 3.388 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006822.D

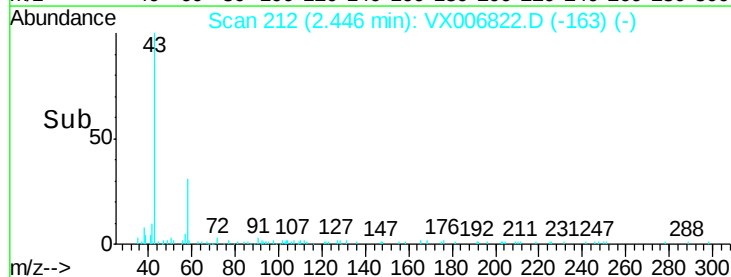
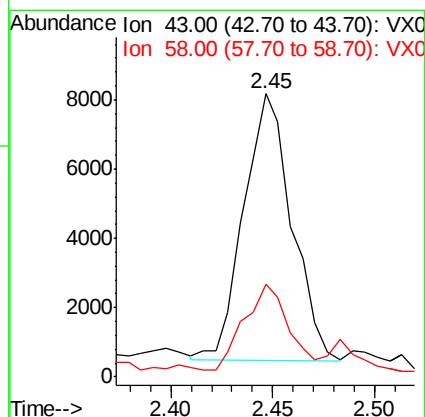
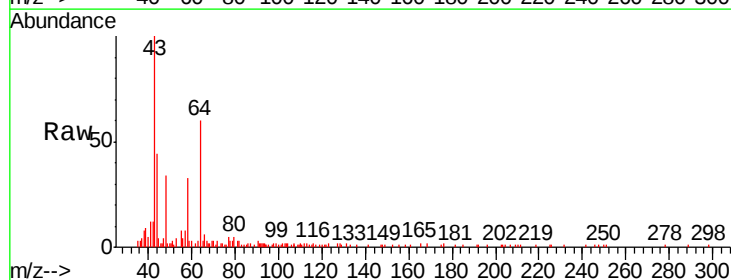
Acq: 26 Dec 2018 16:56

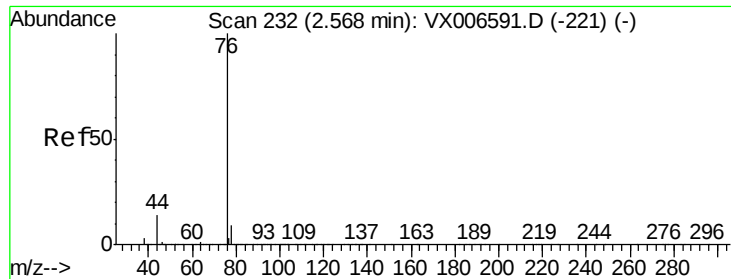
Tgt Ion: 43 Resp: 12588

Ion Ratio Lower Upper

43 100

58 31.5 25.0 37.6





#17

Carbon Disulfide

Concen: 0.367 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

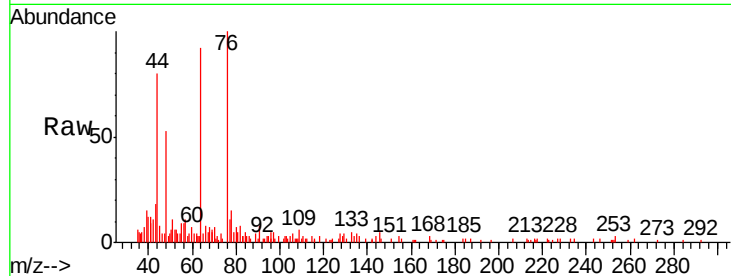
DUP-1

Tgt Ion: 76 Resp: 6515

Ion Ratio Lower Upper

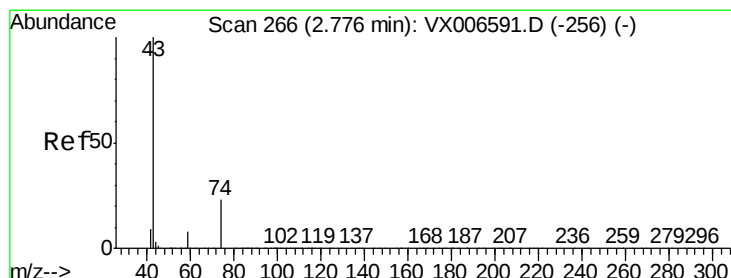
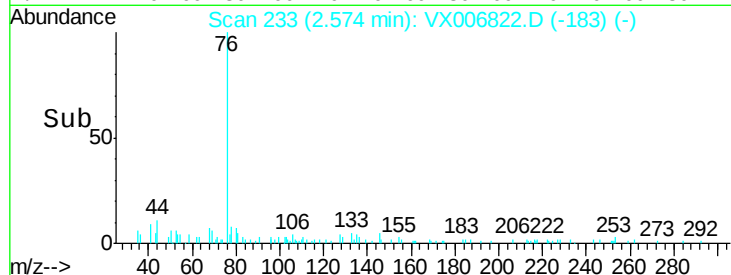
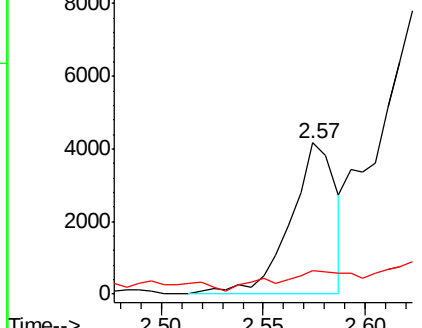
76 100

78 8.3 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.658 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006822.D

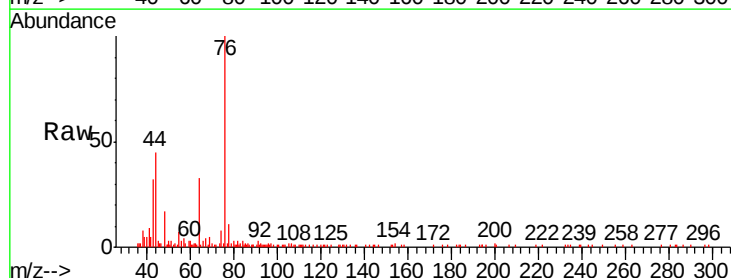
Acq: 26 Dec 2018 16:56

Tgt Ion: 43 Resp: 7195

Ion Ratio Lower Upper

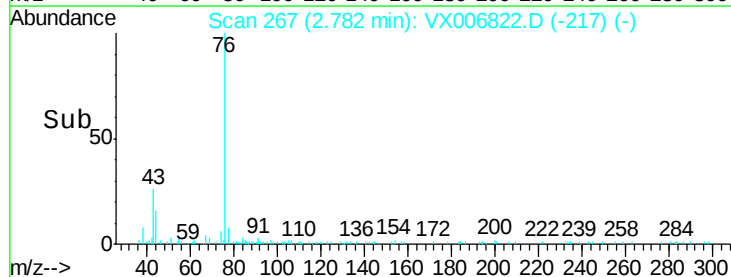
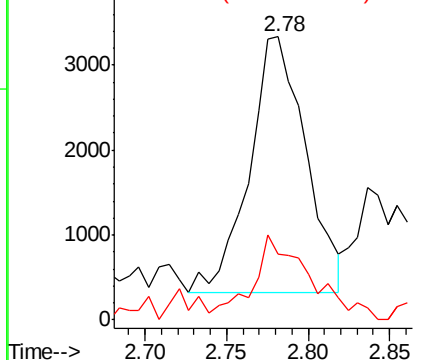
43 100

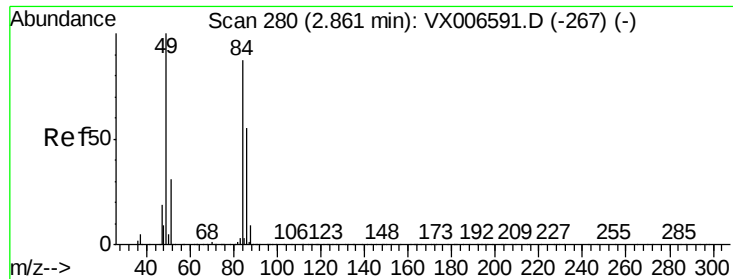
74 34.2 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

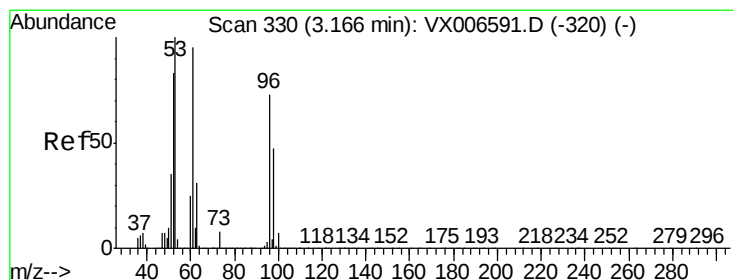
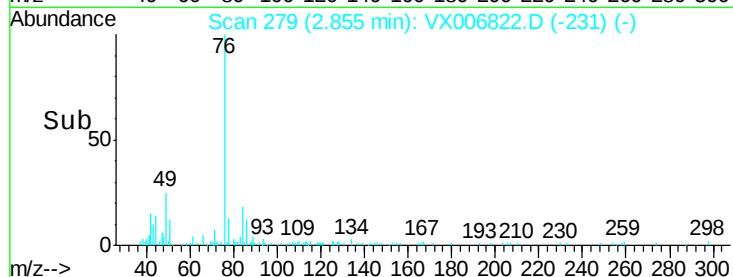
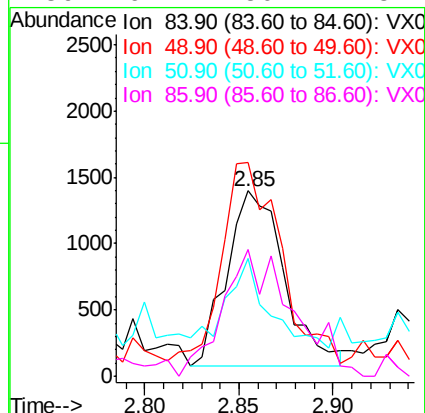
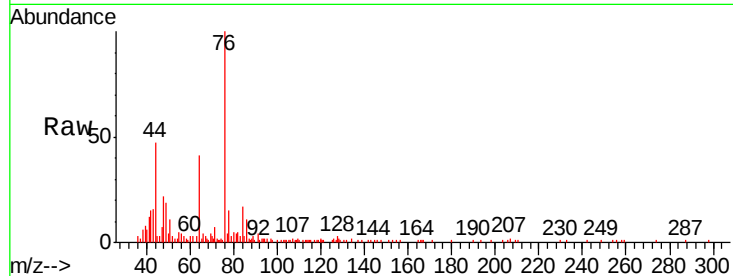




#20
Methylene Chloride
Concen: 0.363 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

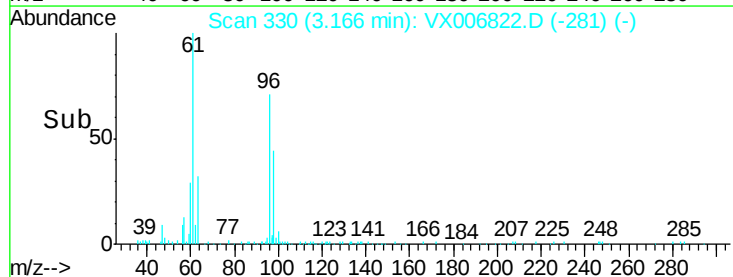
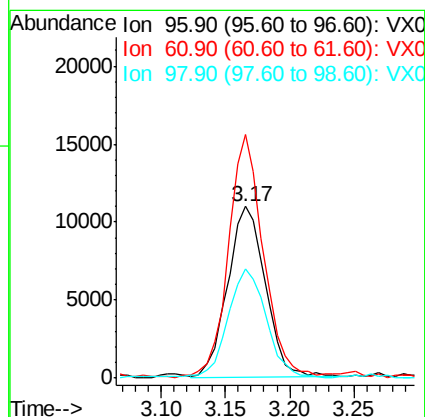
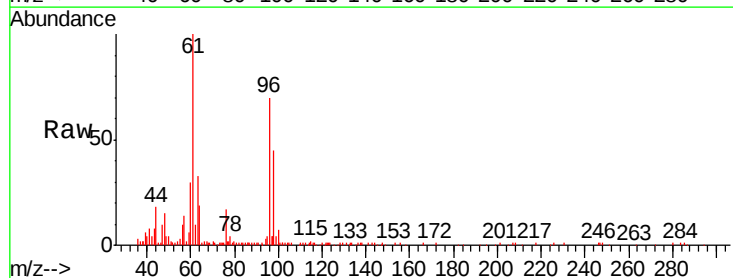
Instrument :
MSVOA_X
ClientSampleID :
DUP-1

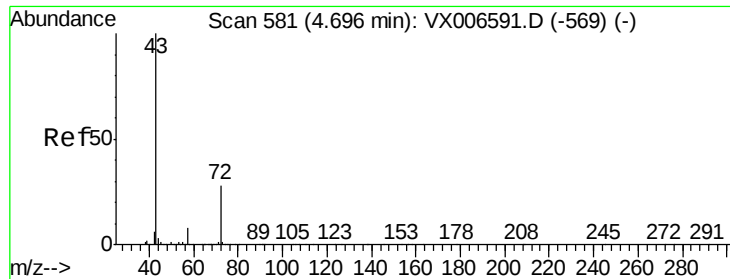
Tgt Ion:	84	Resp:	2793
Ion	Ratio	Lower	Upper
84	100		
49	114.8	91.8	137.6
51	45.1	28.5	42.7#
86	67.2	50.2	75.2



#21
trans-1,2-Dichloroethene
Concen: 3.004 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion:	96	Resp:	22321
Ion	Ratio	Lower	Upper
96	100		
61	142.0	103.7	155.5
98	62.5	51.0	76.6





#25

2-Butanone

Concen: 0.761 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

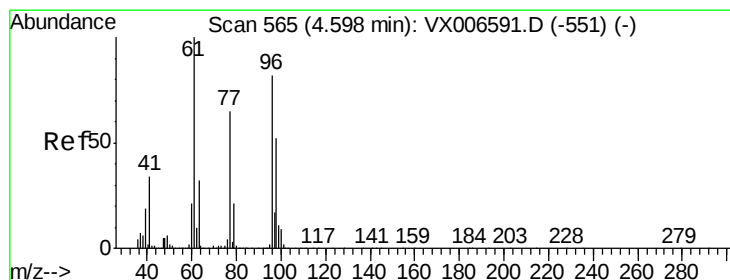
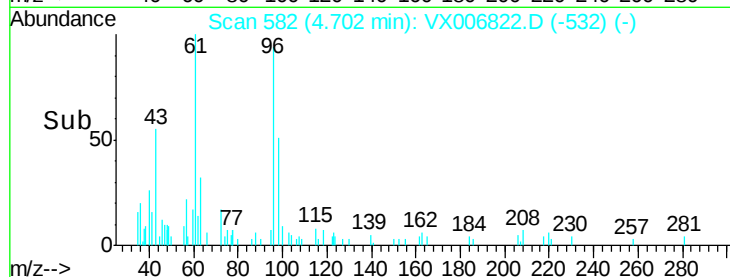
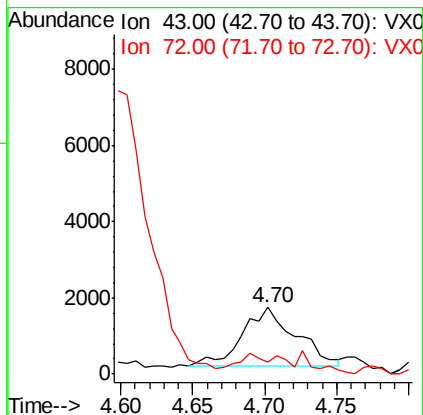
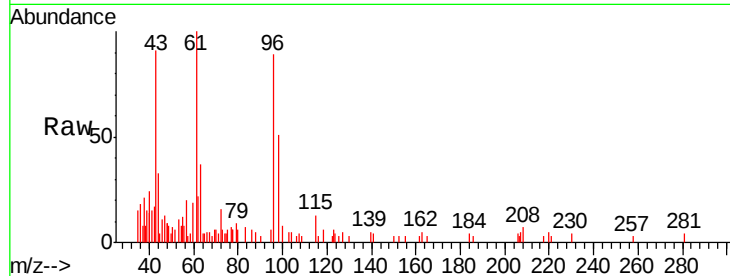
DUP-1

Tgt Ion: 43 Resp: 3980

Ion Ratio Lower Upper

43 100

72 12.0 22.4 33.6#



#27

cis-1,2-Dichloroethene

Concen: 283.596 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

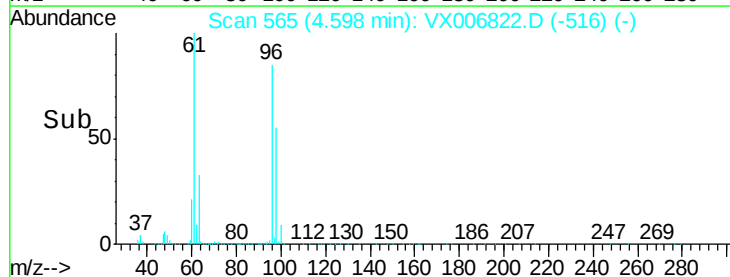
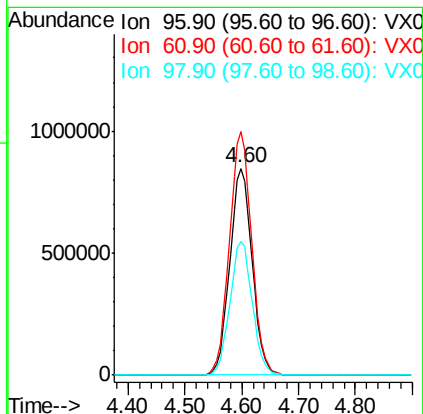
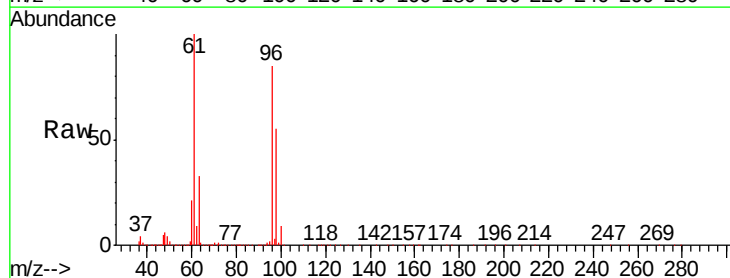
Tgt Ion: 96 Resp: 2324623

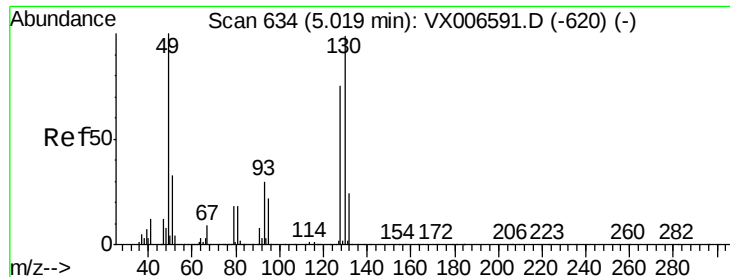
Ion Ratio Lower Upper

96 100

61 117.3 0.0 258.6

98 64.7 0.0 132.0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

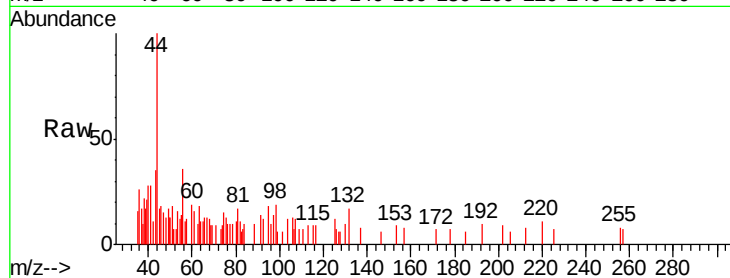
Tgt Ion: 49 Resp: 259

Ion Ratio Lower Upper

49 100

129 32.8 0.0 5.4#

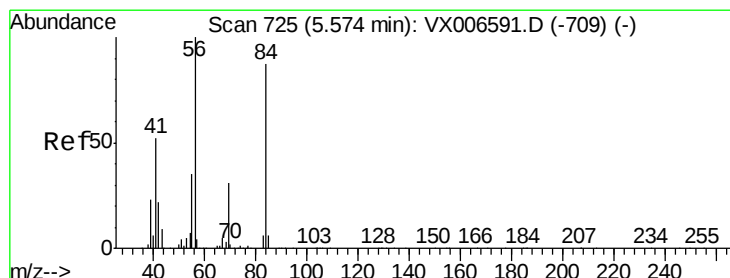
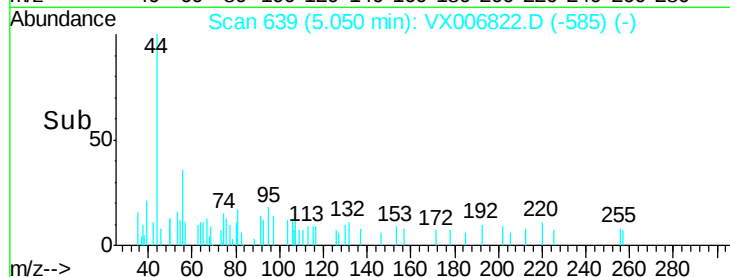
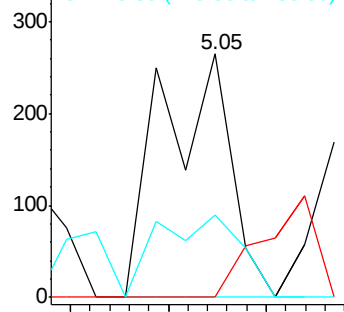
130 40.5 77.7 116.5#



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: 0.749 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

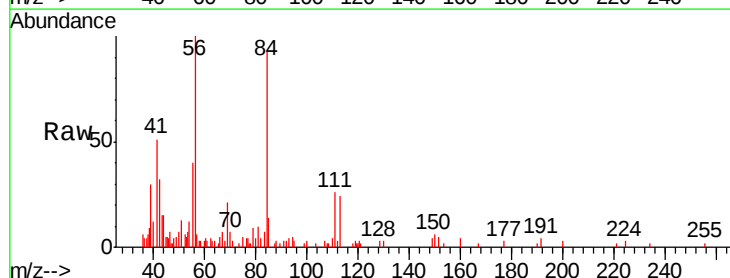
Tgt Ion: 56 Resp: 8391

Ion Ratio Lower Upper

56 100

69 13.0 24.4 36.6#

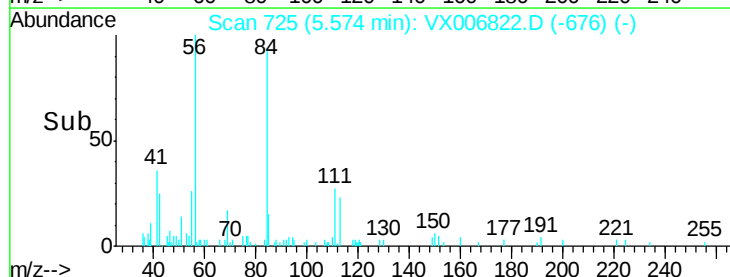
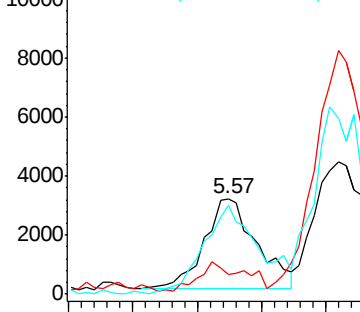
84 101.9 70.0 105.0

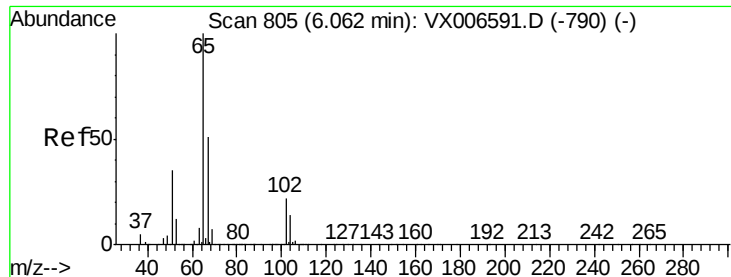


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.147 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

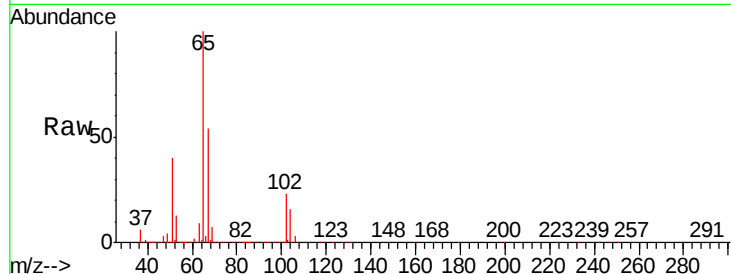
DUP-1

Tgt Ion: 65 Resp: 365156

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

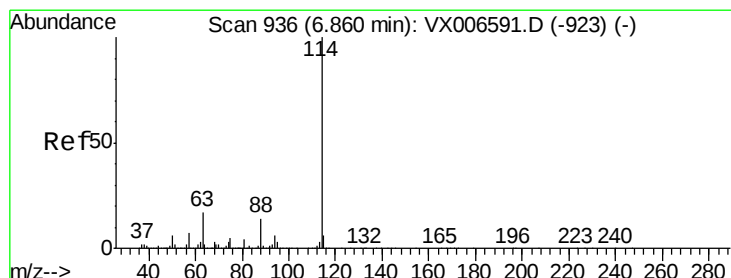
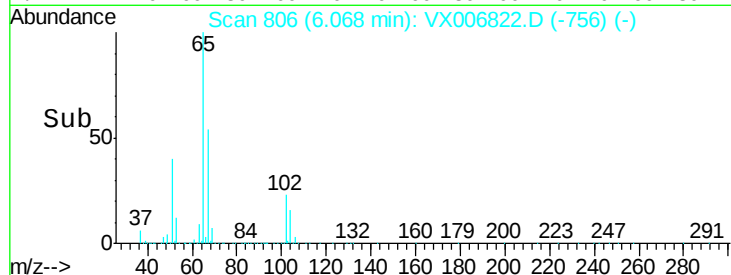
150000

100000

50000

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: VX006822.D

Acq: 26 Dec 2018 16:56

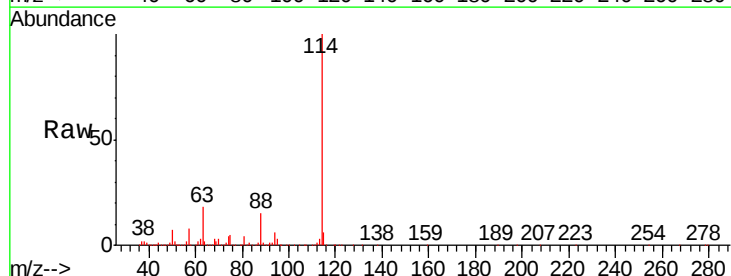
Tgt Ion: 114 Resp: 1089882

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

88 15.3 0.0 28.8



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

6.86

600000

500000

400000

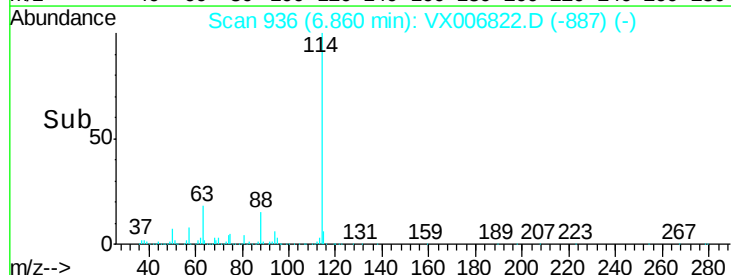
300000

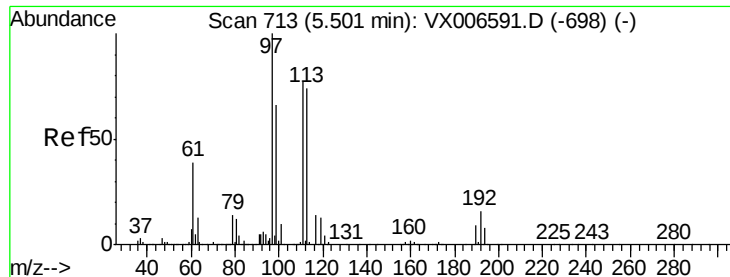
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.306 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

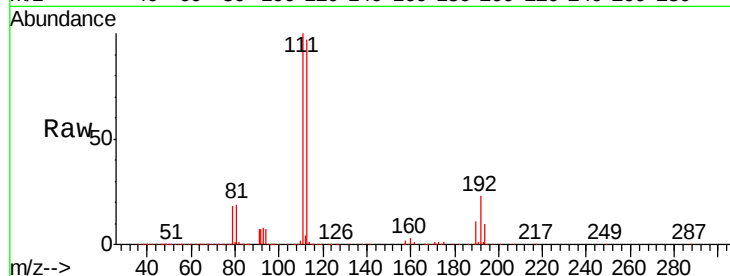
Tgt Ion:113 Resp: 332933

Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

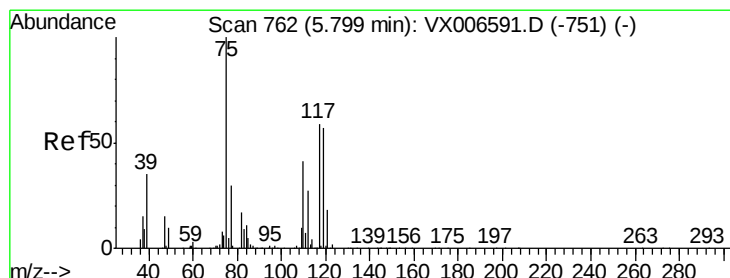
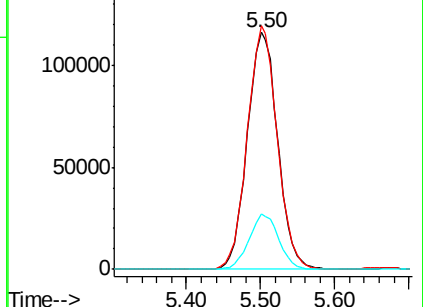
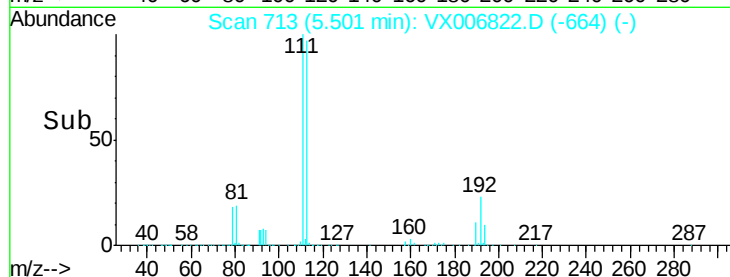
192 22.8 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.065 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

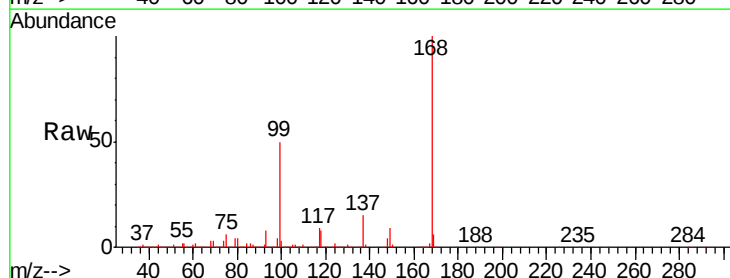
Tgt Ion: 75 Resp: 45724

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

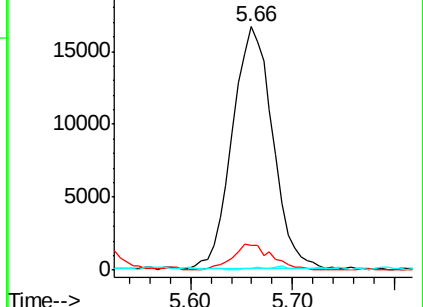
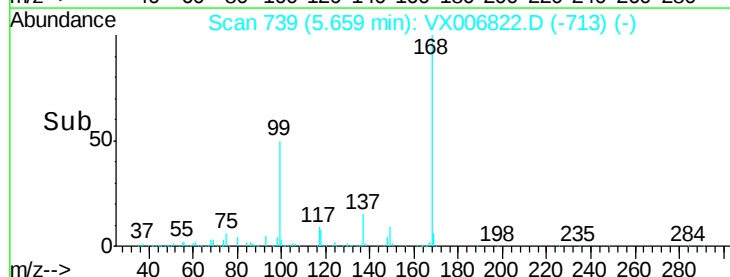
77 0.5 24.8 37.2#

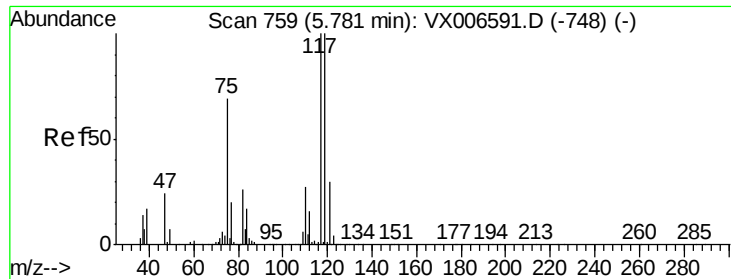


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.391 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

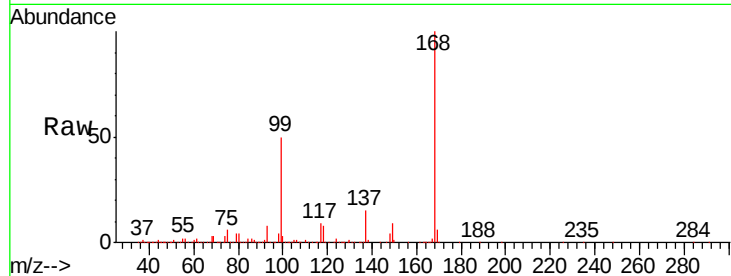
Tgt Ion:117 Resp: 64840

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

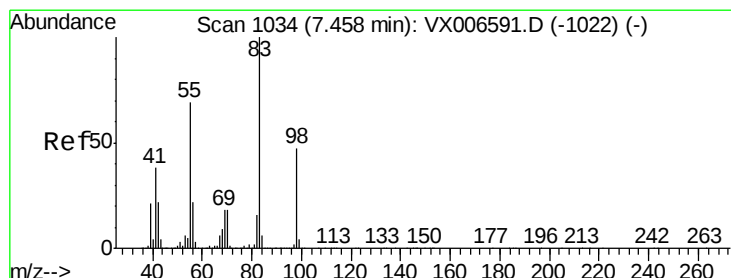
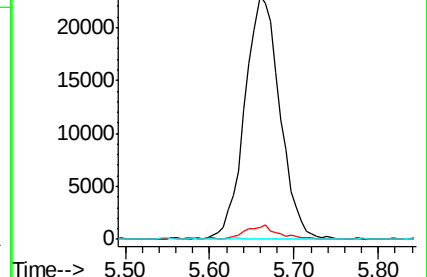
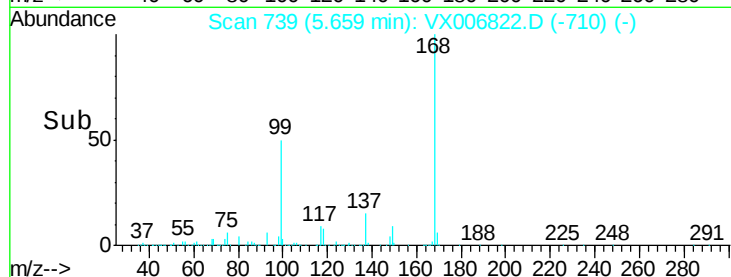
121 0.0 24.0 36.0#



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



#39

Methylcyclohexane

Concen: 0.967 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

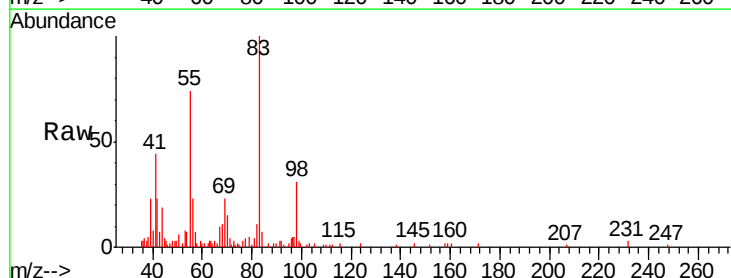
Tgt Ion: 83 Resp: 11487

Ion Ratio Lower Upper

83 100

55 70.5 54.9 82.3

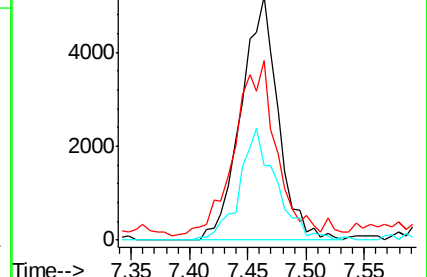
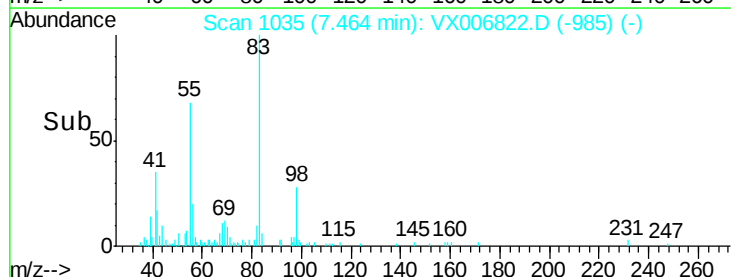
98 30.9 37.9 56.9#

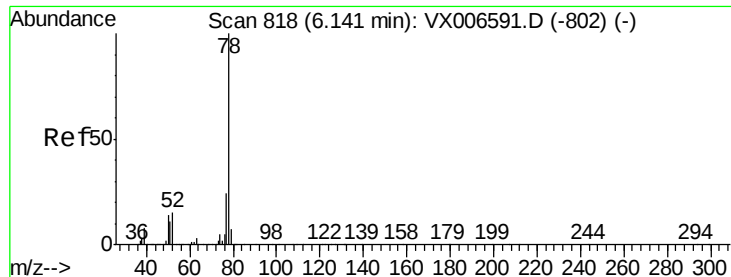


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.984 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

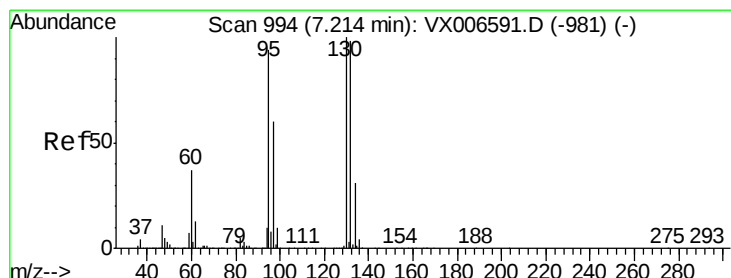
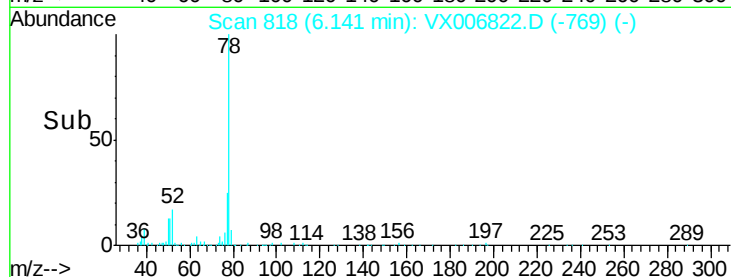
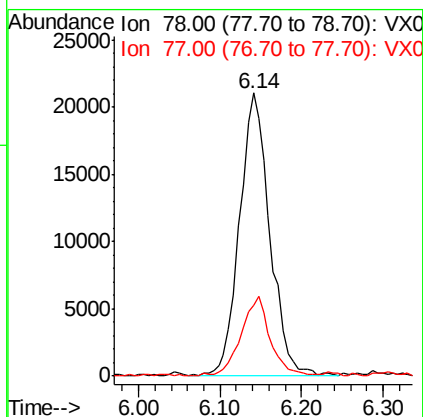
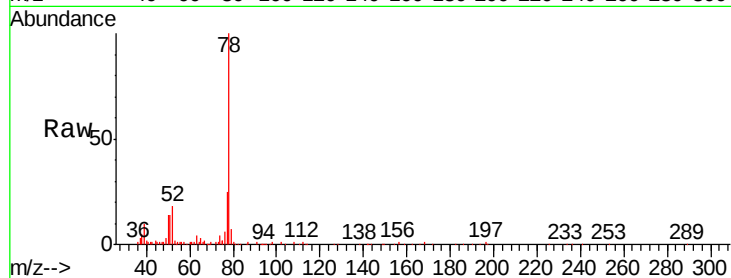
DUP-1

Tgt Ion: 78 Resp: 54437

Ion Ratio Lower Upper

78 100

77 24.9 19.2 28.8



#44

Trichloroethene

Concen: 0.612 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006822.D

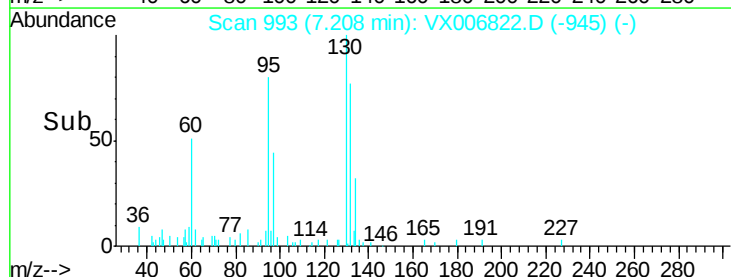
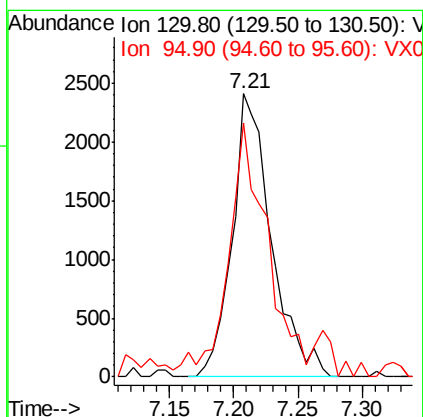
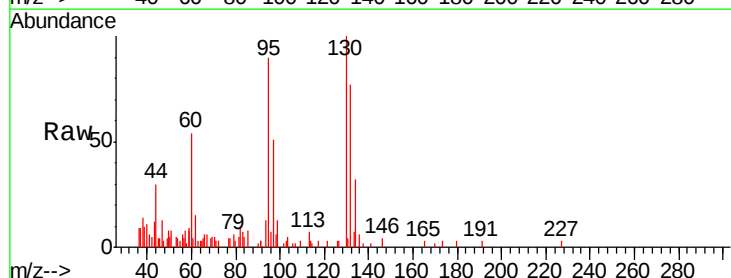
Acq: 26 Dec 2018 16:56

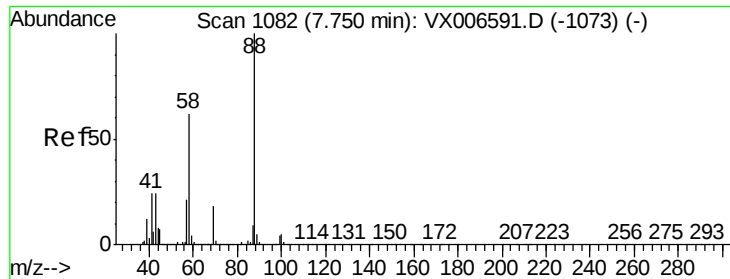
Tgt Ion:130 Resp: 5085

Ion Ratio Lower Upper

130 100

95 89.8 0.0 187.0

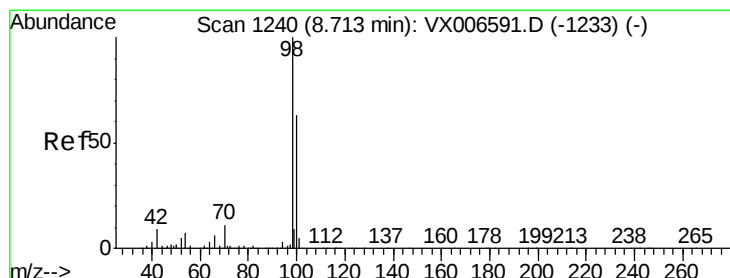
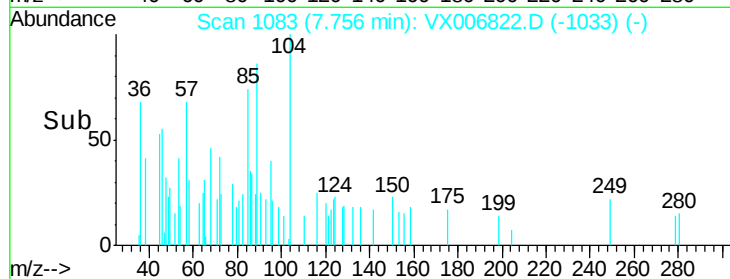
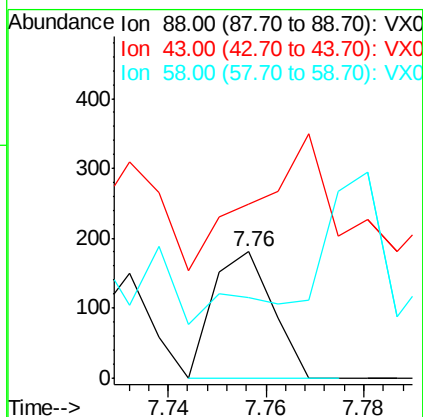
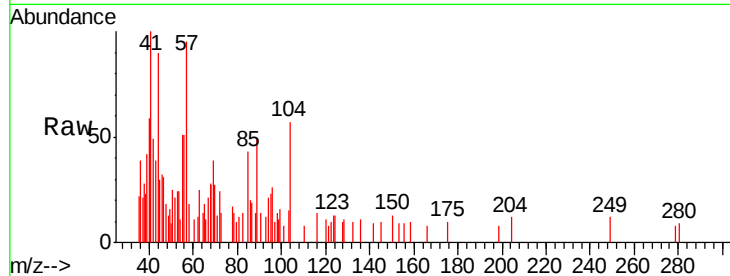




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

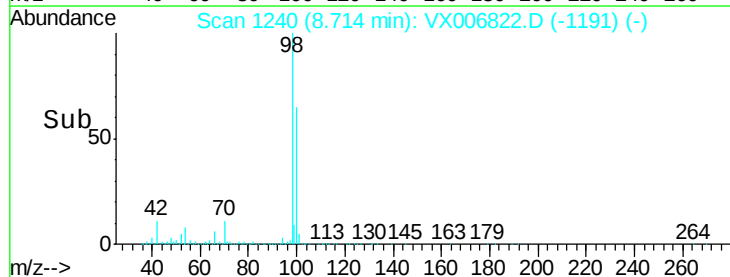
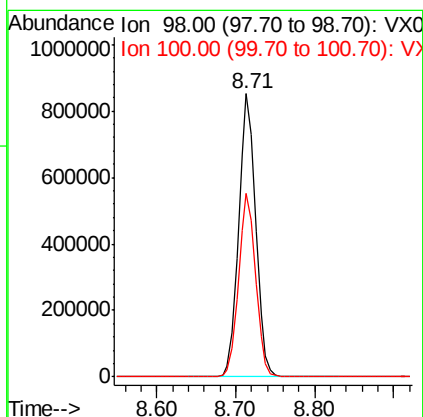
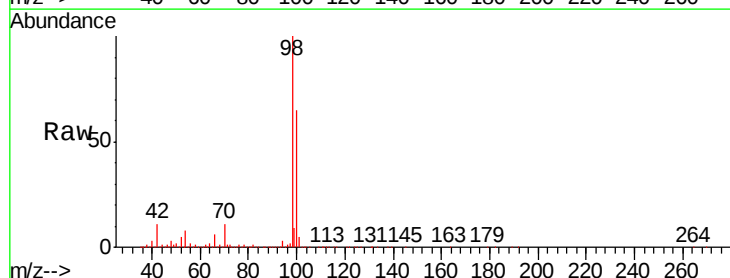
Instrument :
MSVOA_X
ClientSampled :
DUP-1

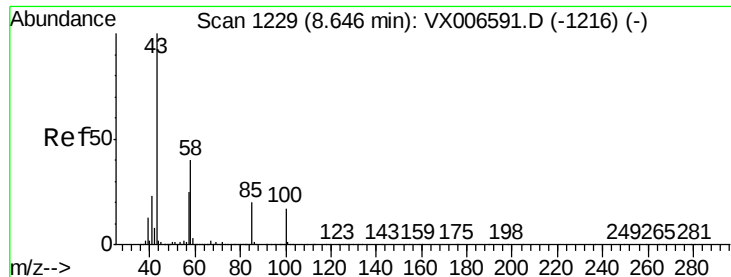
Tgt Ion: 88 Resp: 153
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 49.396 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion: 98 Resp: 1283490
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.342 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

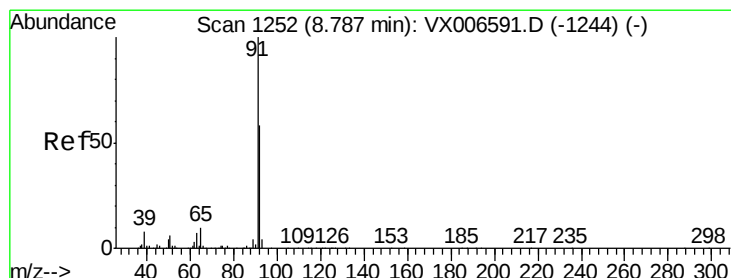
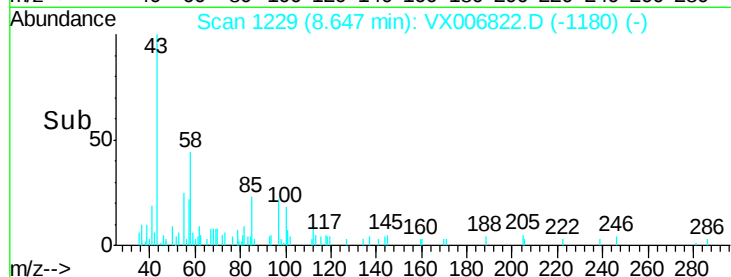
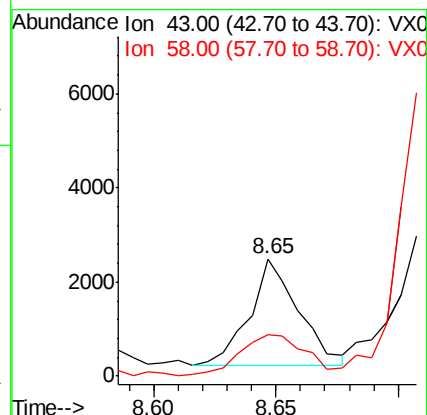
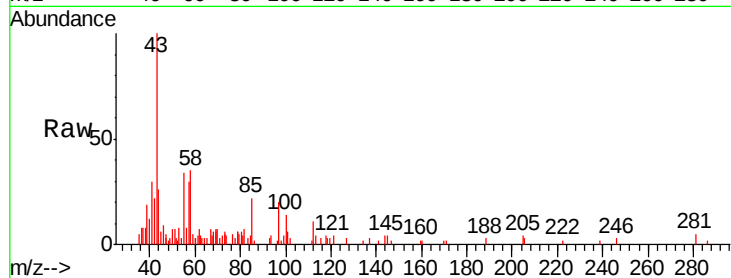
DUP-1

Tgt Ion: 43 Resp: 3107

Ion Ratio Lower Upper

43 100

58 52.2 31.8 47.6#



#52

Toluene

Concen: 66.881 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006822.D

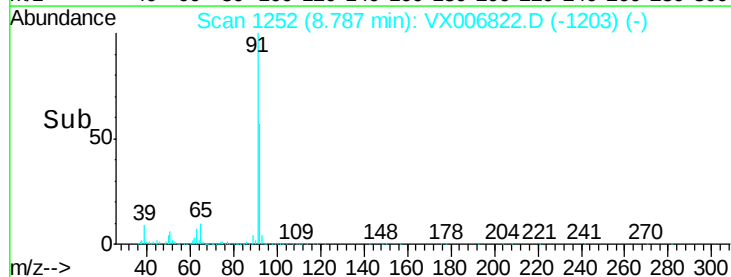
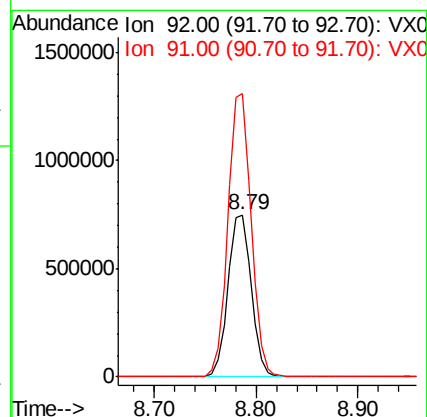
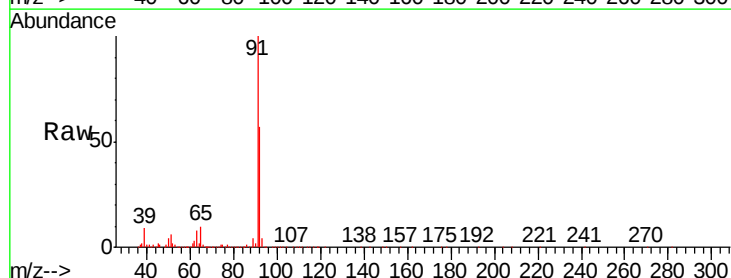
Acq: 26 Dec 2018 16:56

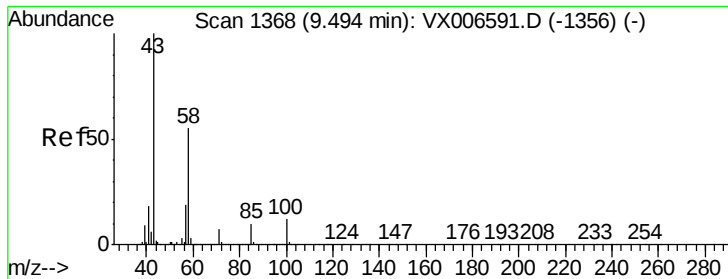
Tgt Ion: 92 Resp: 1185560

Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4





#59

2-Hexanone

Concen: 0.523 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. 0.02 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

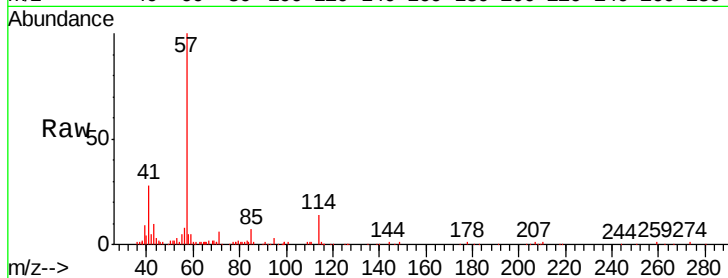
DUP-1

Tgt Ion: 43 Resp: 3641

Ion Ratio Lower Upper

43 100

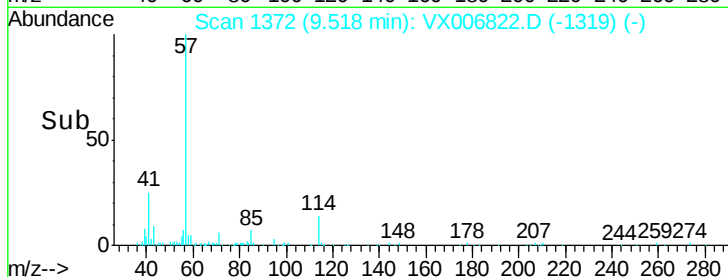
58 66.1 27.7 83.1



Abundance Ion 43.00 (42.70 to 43.70): VX006591.D (-1356) (-)

Ion 58.00 (57.70 to 58.70): VX006591.D (-1356) (-)

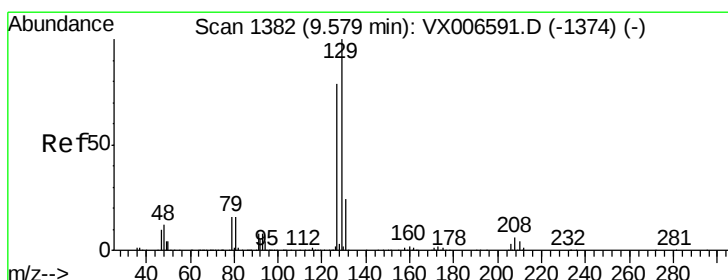
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VX006822.D (-1319) (-)

Ion 58.00 (57.70 to 58.70): VX006822.D (-1319) (-)

Time-->



#60

Dibromochloromethane

Concen: 2.337 ug/l

RT: 9.41 min Scan# 1355

Delta R.T. -0.16 min

Lab File: VX006822.D

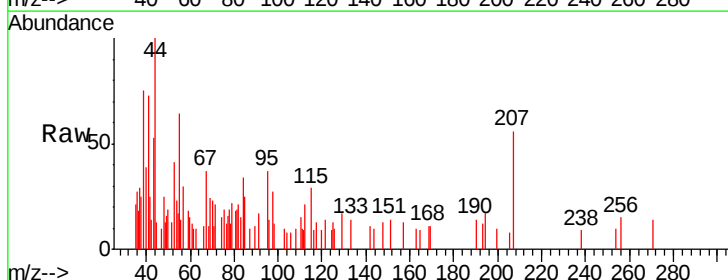
Acq: 26 Dec 2018 16:56

Tgt Ion: 129 Resp: 103

Ion Ratio Lower Upper

129 100

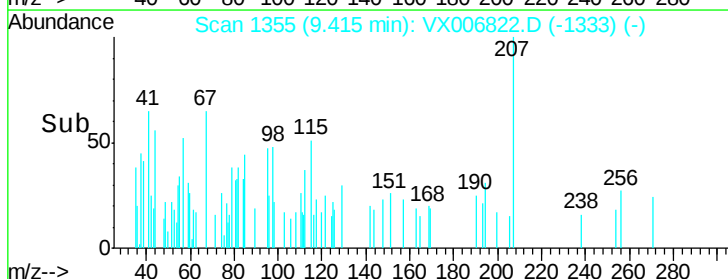
127 0.0 39.3 117.8#



Abundance Ion 128.80 (128.50 to 129.50): VX006591.D (-1374) (-)

Ion 126.80 (126.50 to 127.50): VX006591.D (-1374) (-)

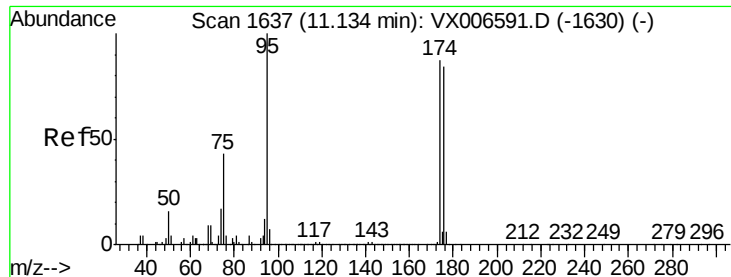
Time-->



Abundance Ion 128.80 (128.50 to 129.50): VX006822.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006822.D (-1333) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 50.147 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

DUP-1

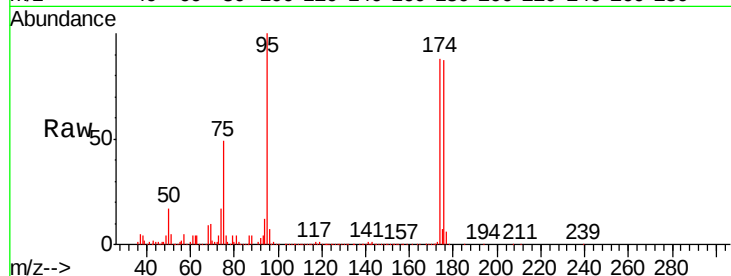
Tgt Ion: 95 Resp: 477215

Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

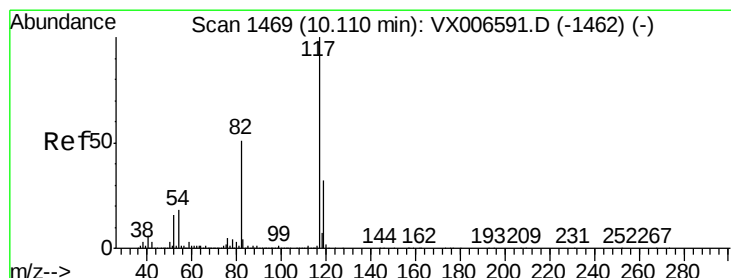
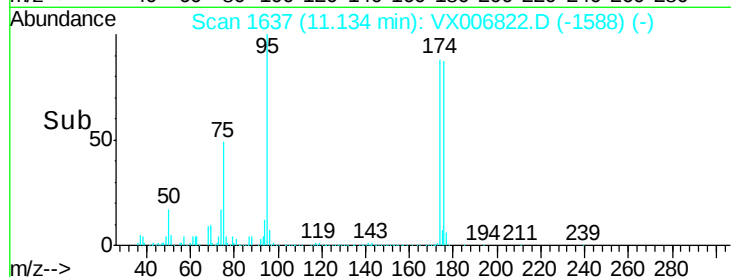
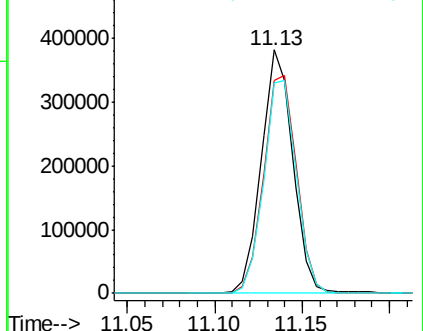
176 91.3 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

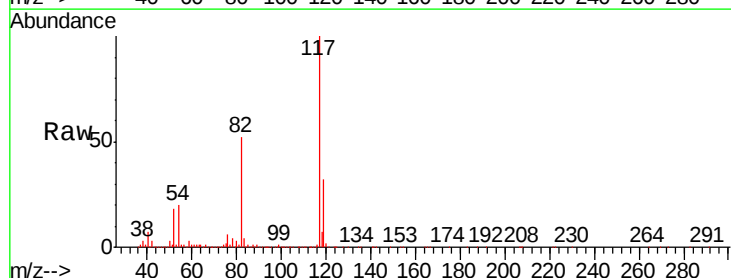
Tgt Ion: 117 Resp: 1003618

Ion Ratio Lower Upper

117 100

82 52.0 41.0 61.6

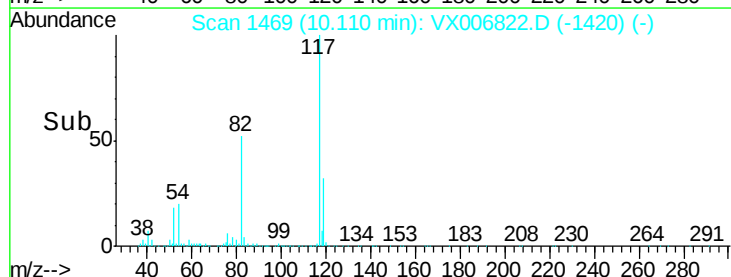
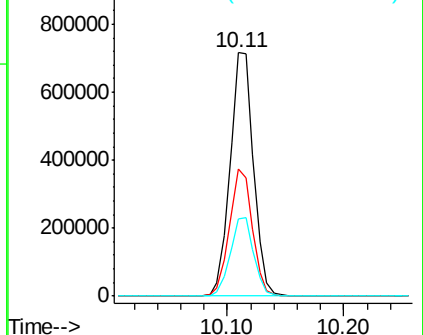
119 31.5 25.4 38.0

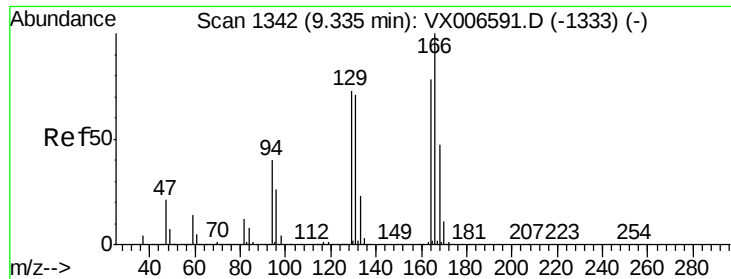


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

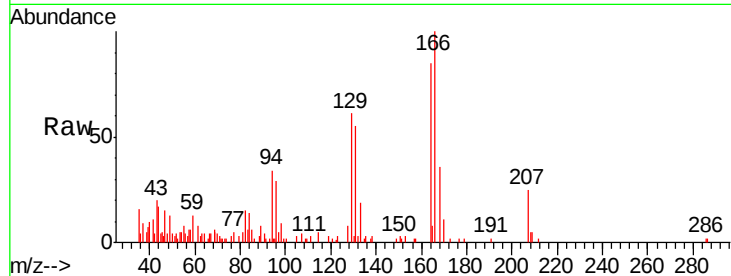




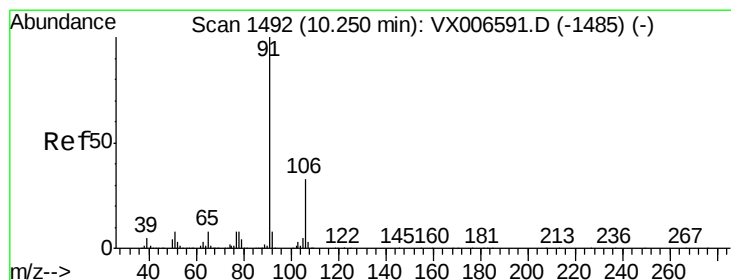
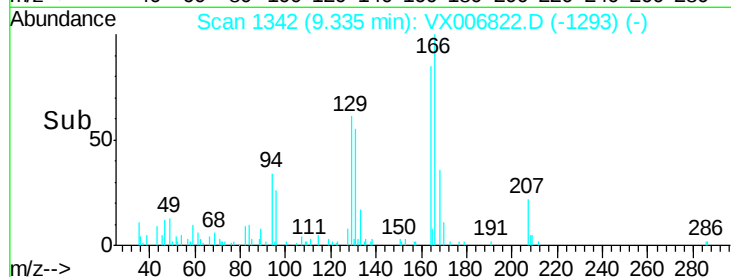
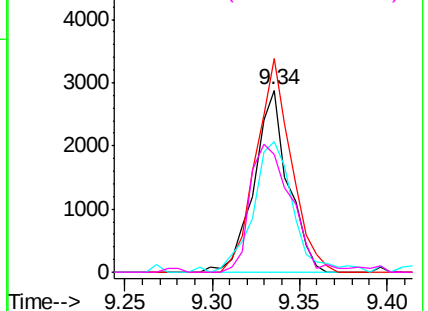
#64
Tetrachloroethene
Concen: 0.493 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tgt Ion:164 Resp: 3916
Ion Ratio Lower Upper
164 100
166 117.5 102.5 153.7
129 72.0 75.1 112.7#
131 65.1 72.7 109.1#

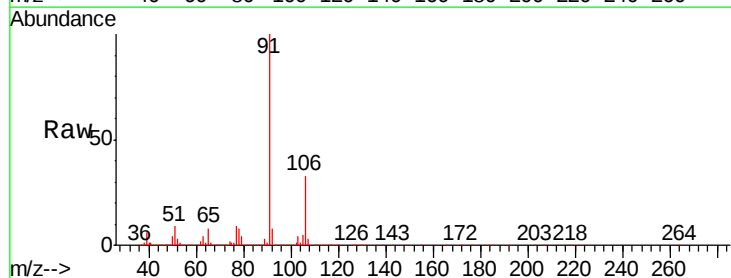


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

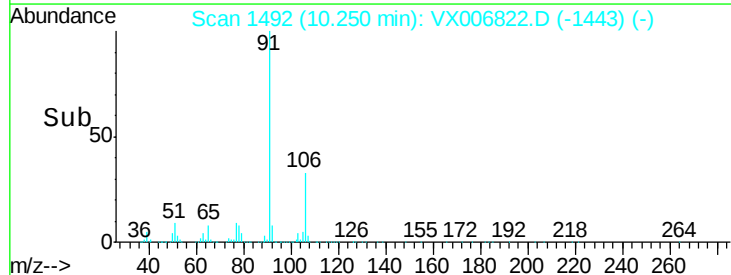
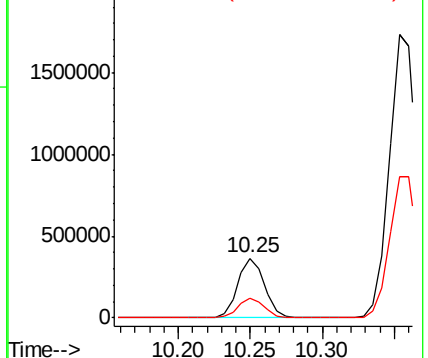


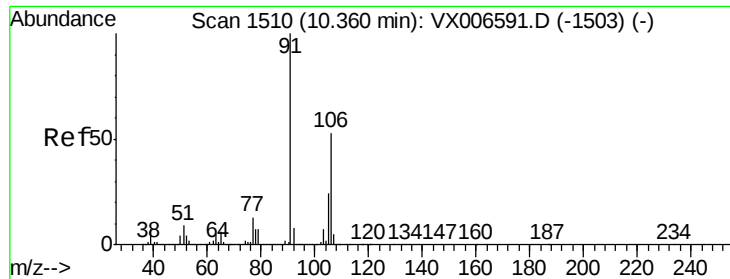
#67
Ethyl Benzene
Concen: 13.618 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion: 91 Resp: 472490
Ion Ratio Lower Upper
91 100
106 32.5 26.4 39.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

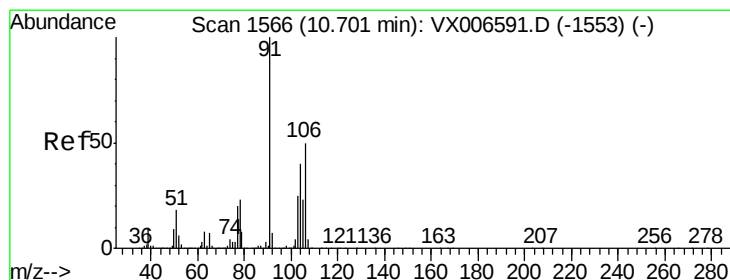
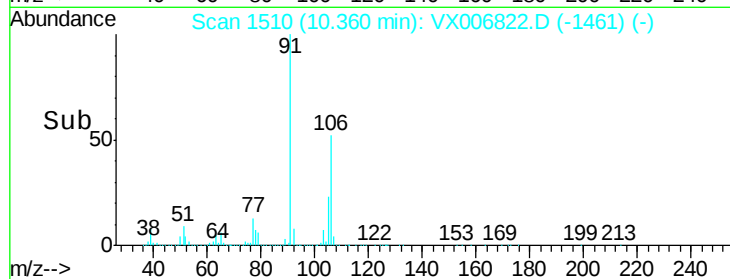
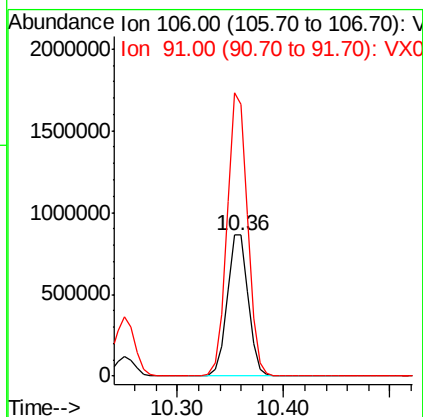
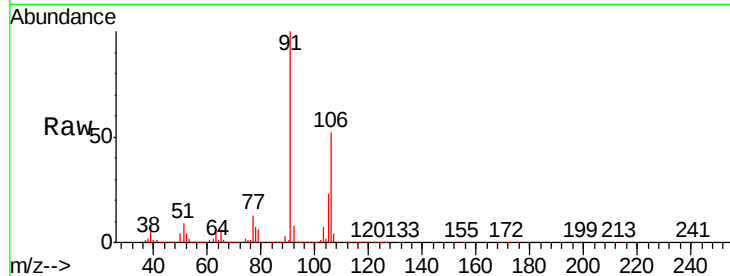




#68
m/p-Xylenes
Concen: 86.696 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

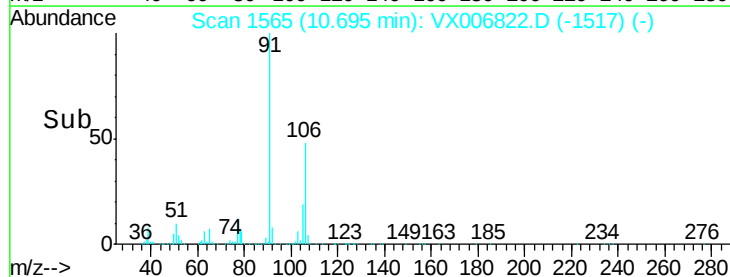
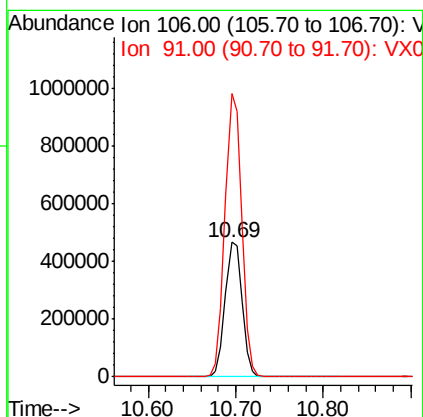
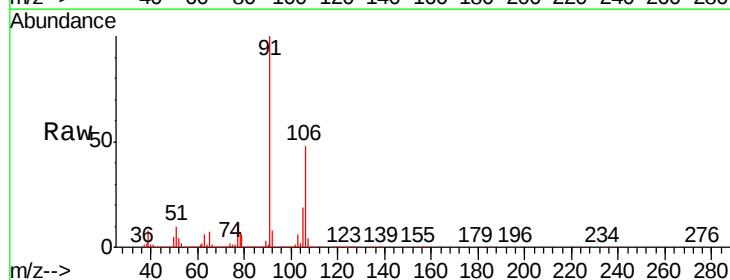
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

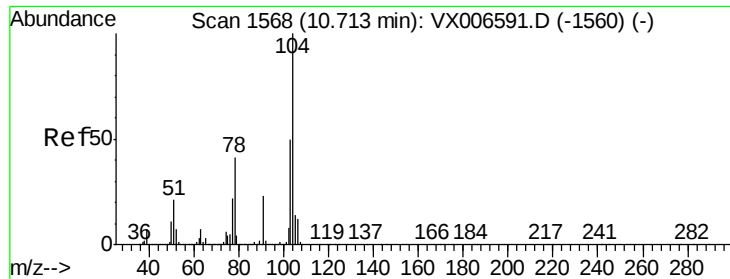
Tgt Ion:106 Resp: 1186924
Ion Ratio Lower Upper
106 100
91 196.7 155.8 233.6



#69
o-Xylene
Concen: 46.379 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion:106 Resp: 627007
Ion Ratio Lower Upper
106 100
91 207.7 101.3 303.7





#70

Styrene

Concen: 1.460 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.02 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

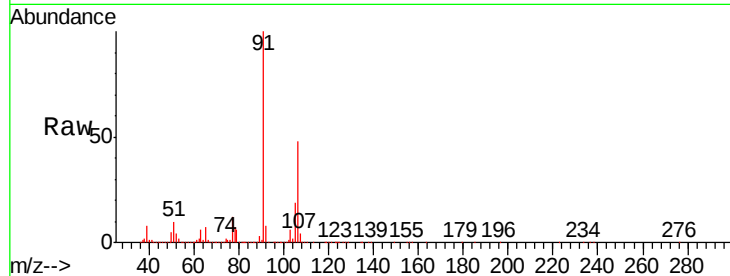
Tgt Ion:104 Resp: 31226

Ion Ratio Lower Upper

104 100

78 278.3 37.7 56.5#

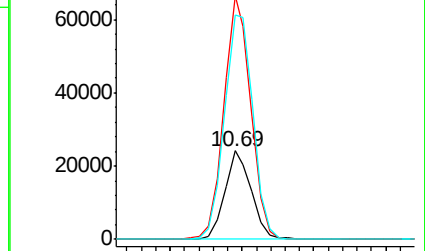
103 273.9 43.8 65.8#



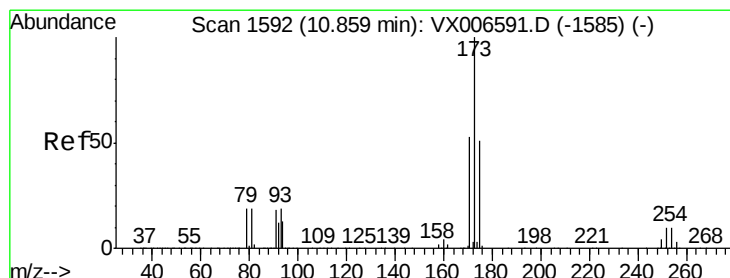
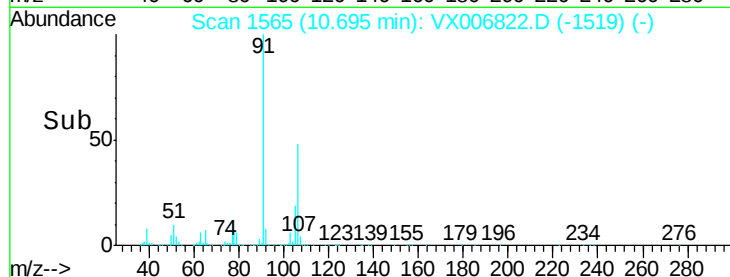
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



Time-->



#71

Bromoform

Concen: 4.482 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.17 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

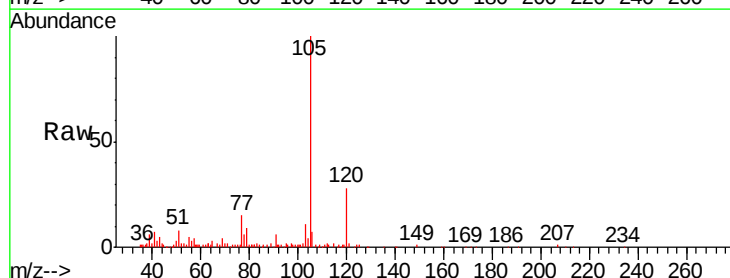
Tgt Ion:173 Resp: 147

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

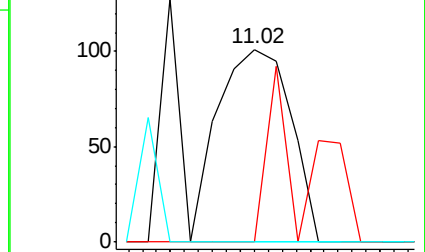
254 0.0 0.2 0.2#



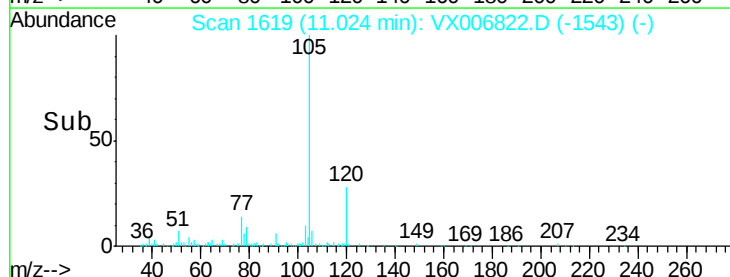
Abundance Ion 172.70 (172.40 to 173.40): V

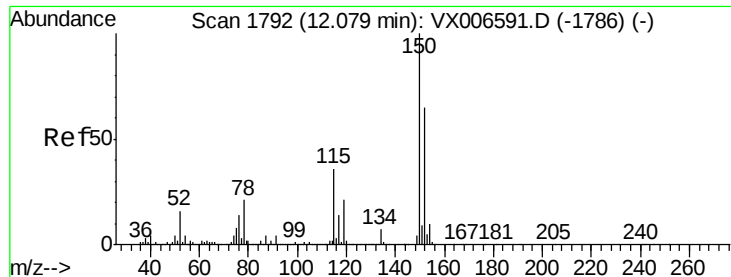
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

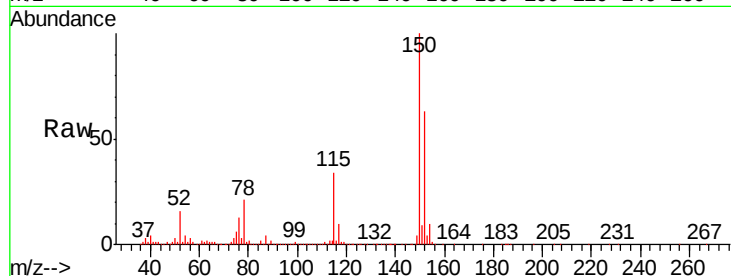
Tgt Ion:152 Resp: 512931

Ion Ratio Lower Upper

152 100

115 55.3 39.1 117.2

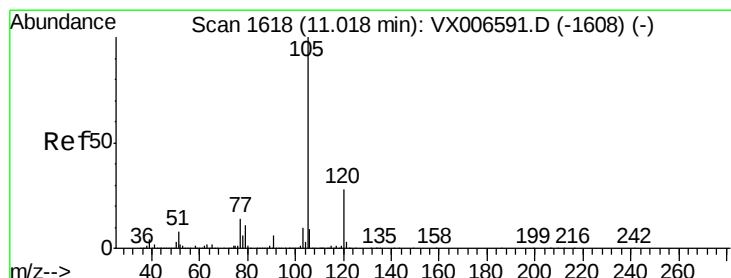
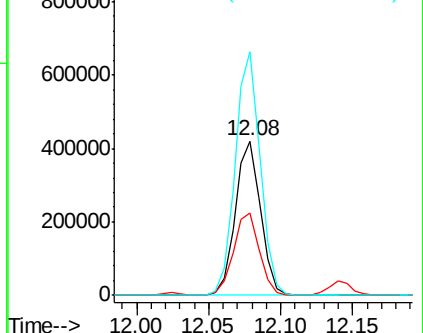
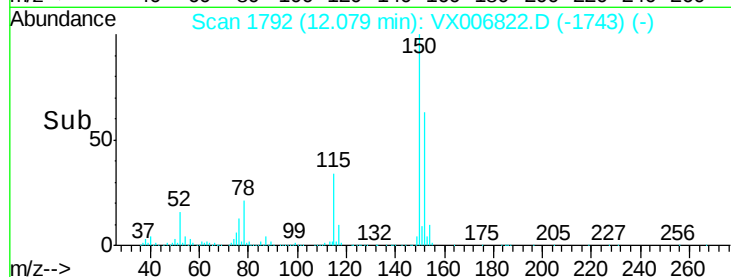
150 157.0 0.0 344.8



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



#73

Isopropylbenzene

Concen: 1.205 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006822.D

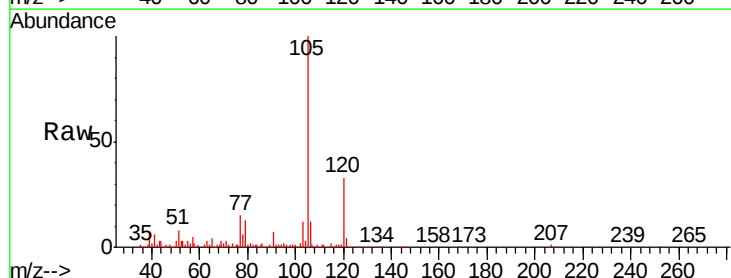
Acq: 26 Dec 2018 16:56

Tgt Ion:105 Resp: 42293

Ion Ratio Lower Upper

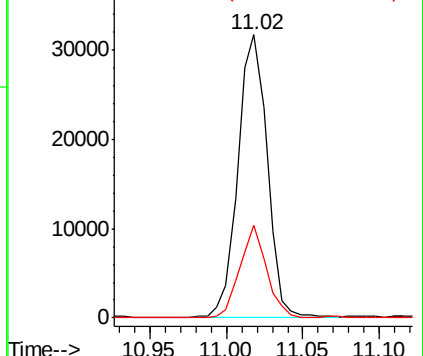
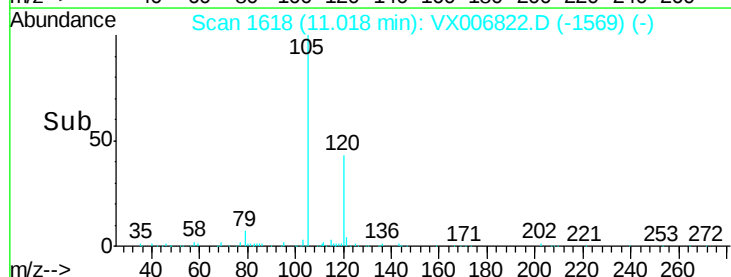
105 100

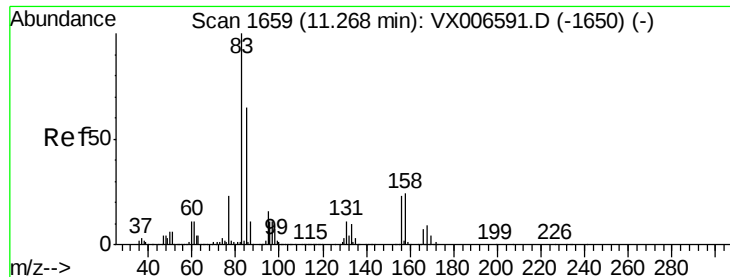
120 29.7 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.204 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

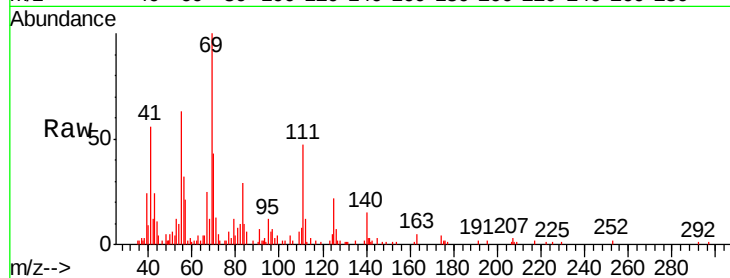
Tgt Ion: 83 Resp: 2128

Ion Ratio Lower Upper

83 100

131 6.7 5.7 17.1

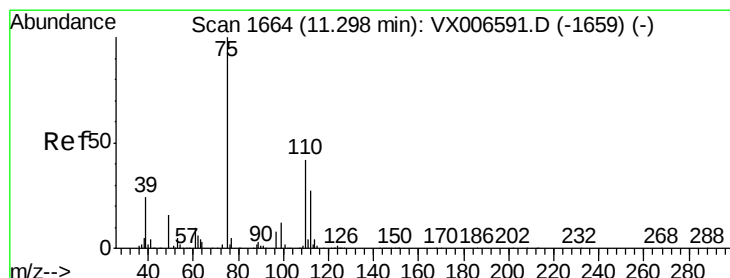
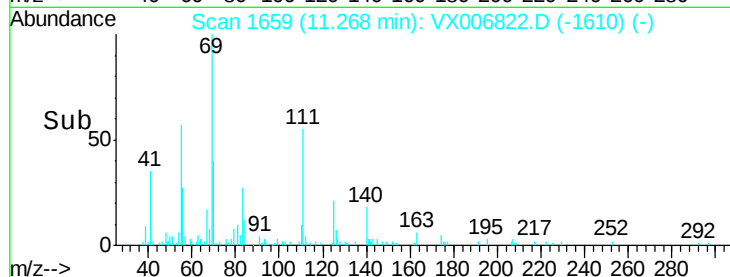
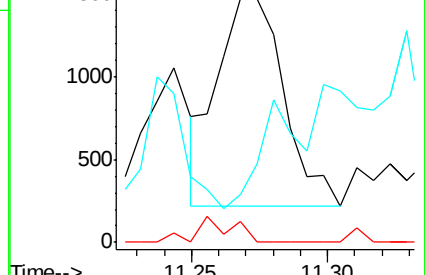
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 1.003 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.13 min

Lab File: VX006822.D

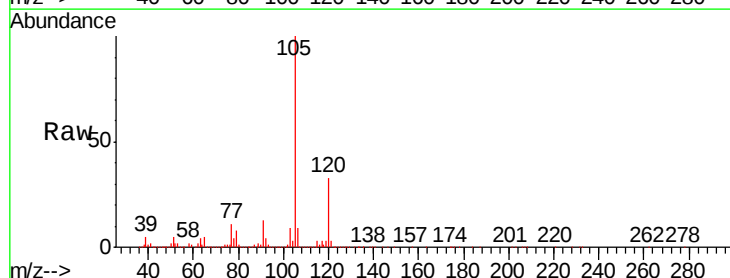
Acq: 26 Dec 2018 16:56

Tgt Ion: 75 Resp: 9558

Ion Ratio Lower Upper

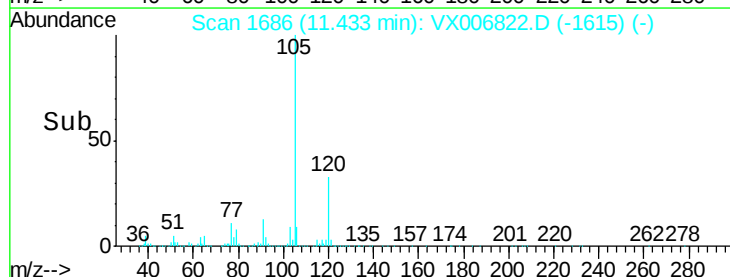
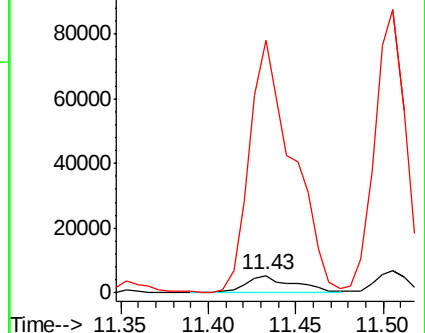
75 100

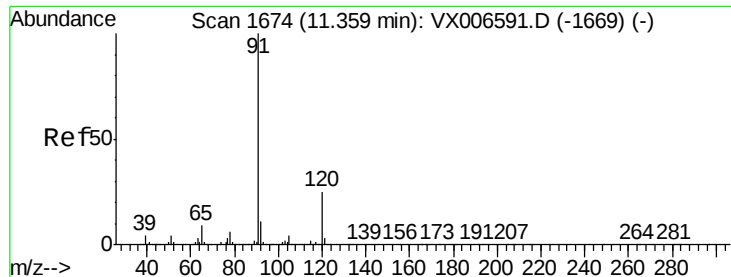
77 1394.6 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 2.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

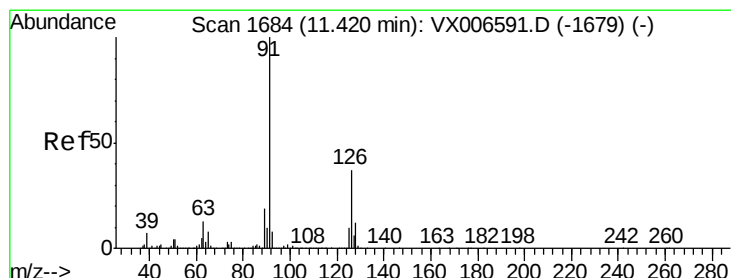
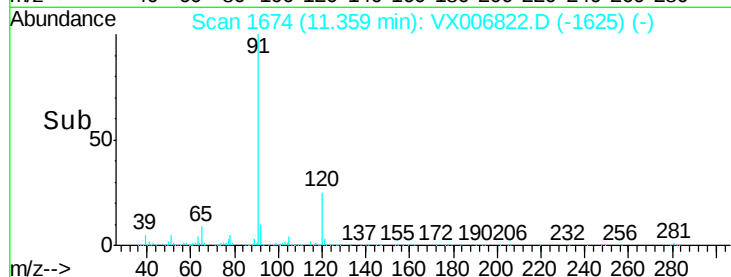
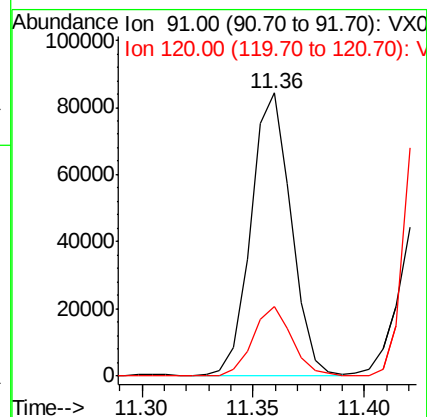
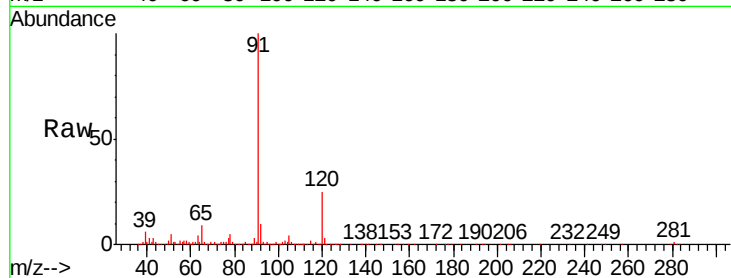
DUP-1

Tgt Ion: 91 Resp: 105471

Ion Ratio Lower Upper

91 100

120 24.3 12.7 38.0



#79

2-Chlorotoluene

Concen: 7.001 ug/l

RT: 11.43 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX006822.D

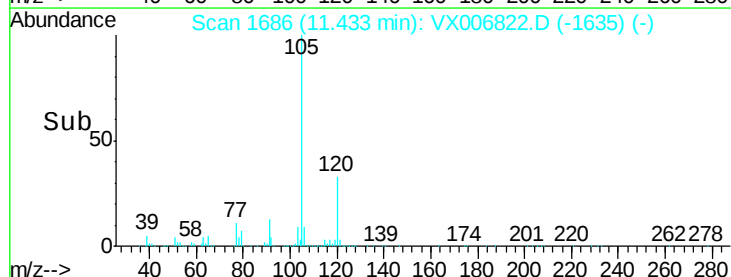
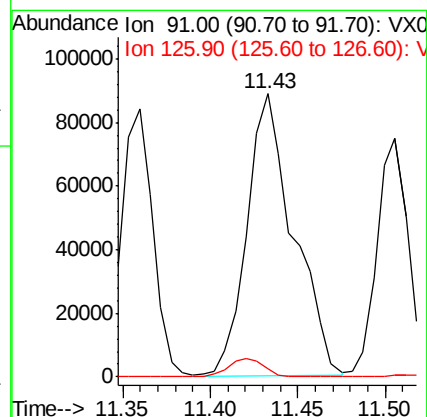
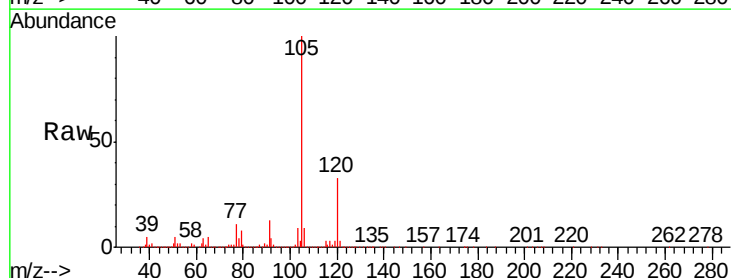
Acq: 26 Dec 2018 16:56

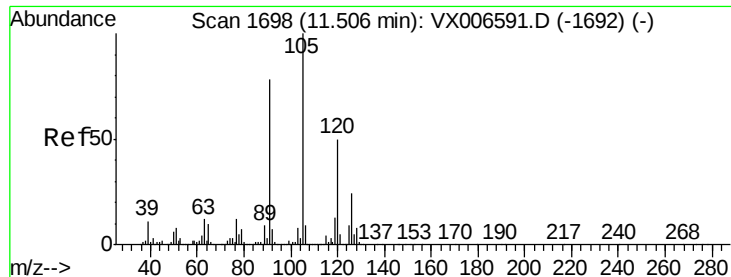
Tgt Ion: 91 Resp: 163934

Ion Ratio Lower Upper

91 100

126 5.2 18.6 56.0#

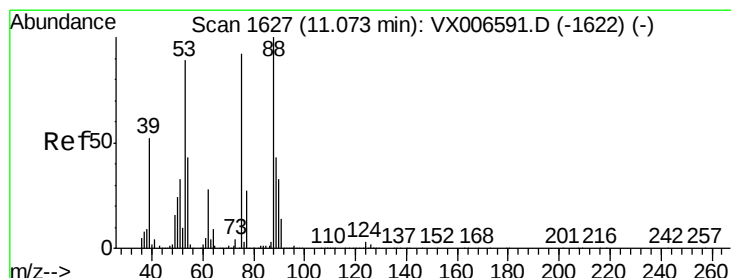
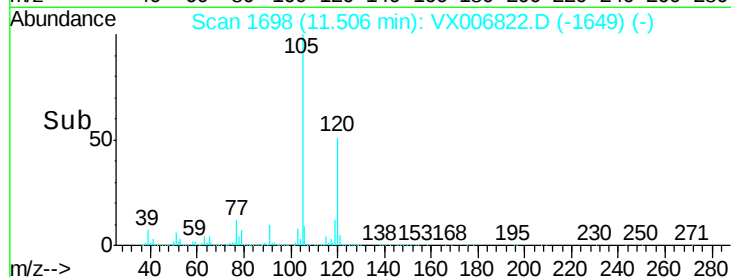
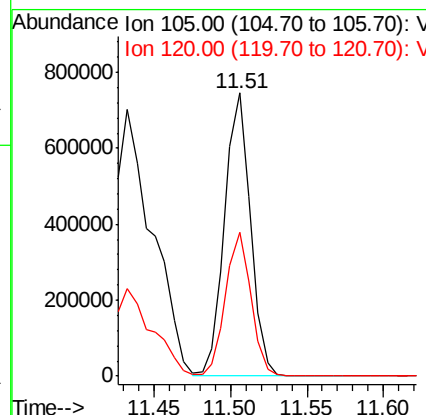
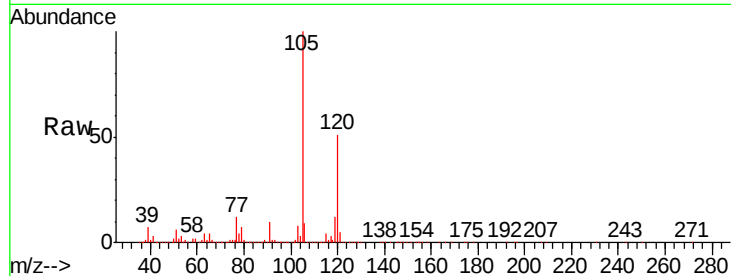




#80
 1,3,5-Trimethylbenzene
 Concen: 30.268 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

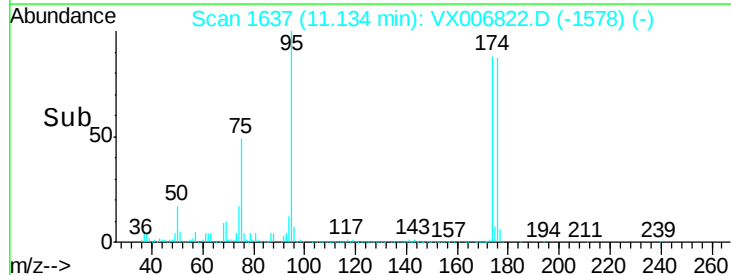
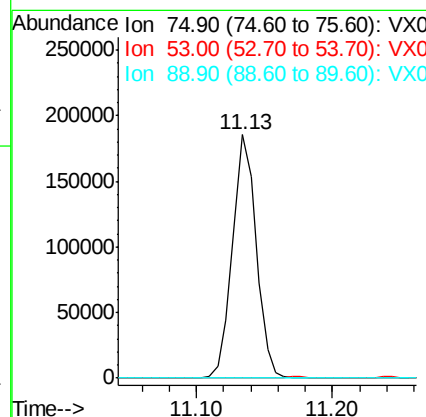
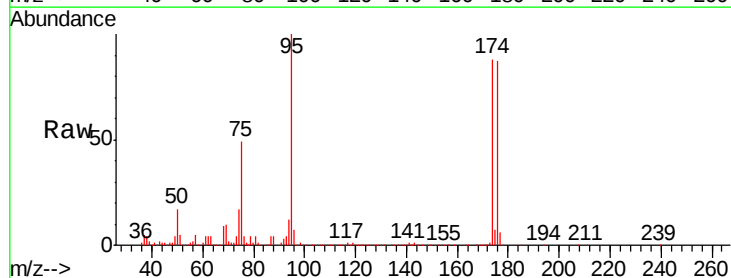
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

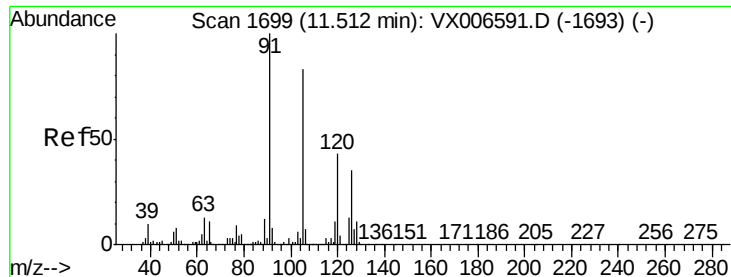
Tgt Ion: 105 Resp: 874842
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.246 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

Tgt Ion: 75 Resp: 225896
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.7 119.5#
 89 0.4 38.0 57.0#





#82

4-Chlorotoluene

Concen: 3.413 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

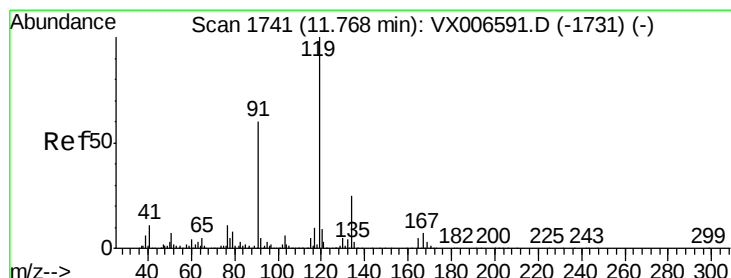
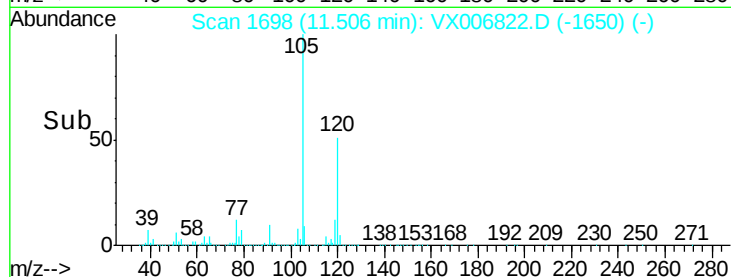
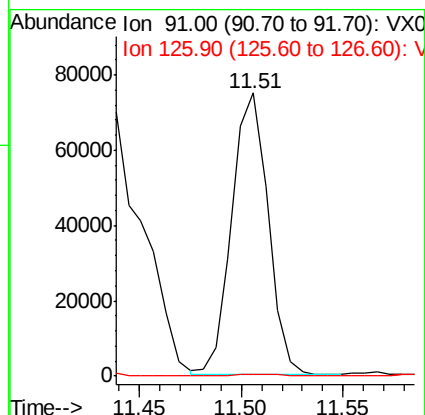
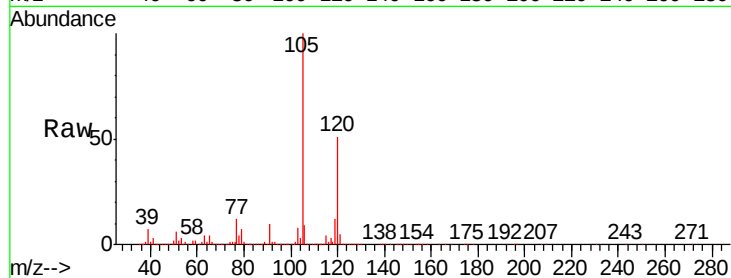
DUP-1

Tgt Ion: 91 Resp: 91683

Ion Ratio Lower Upper

91 100

126 0.6 16.3 48.9#



#83

tert-Butylbenzene

Concen: 1.637 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

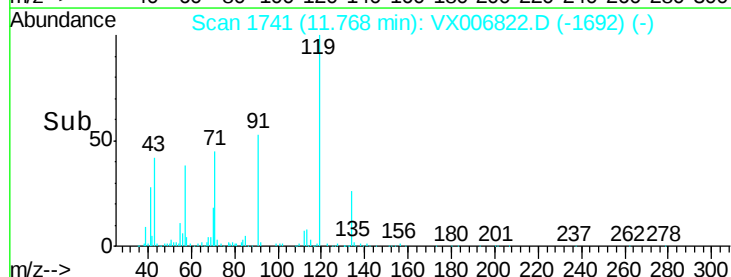
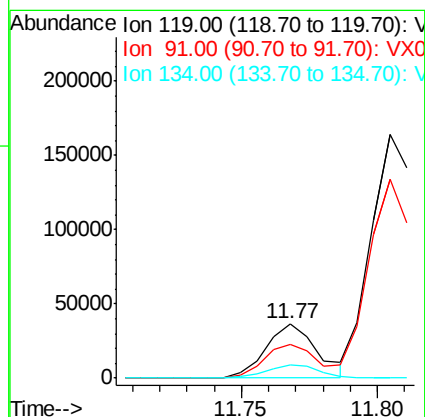
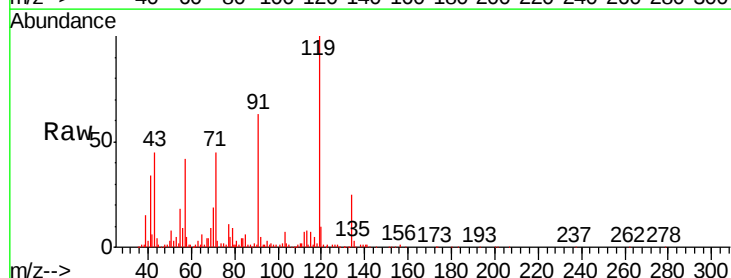
Tgt Ion: 119 Resp: 47362

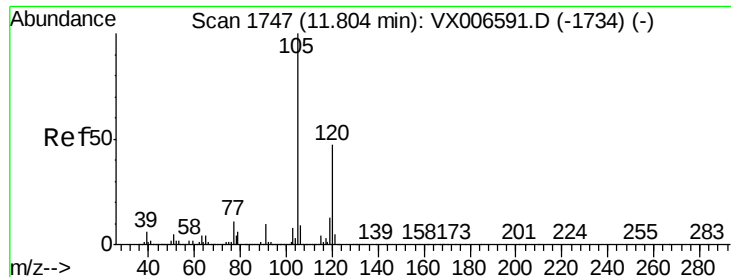
Ion Ratio Lower Upper

119 100

91 60.7 27.7 83.1

134 24.8 11.9 35.5





#84

1,2,4-Trimethylbenzene

Concen: 52.094 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

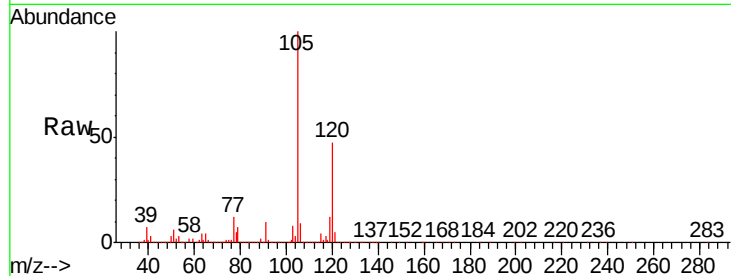
DUP-1

Tgt Ion:105 Resp: 1583715

Ion Ratio Lower Upper

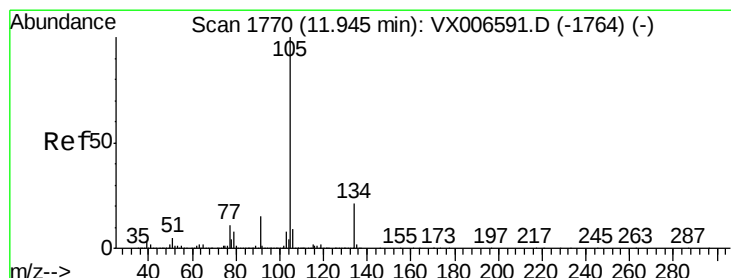
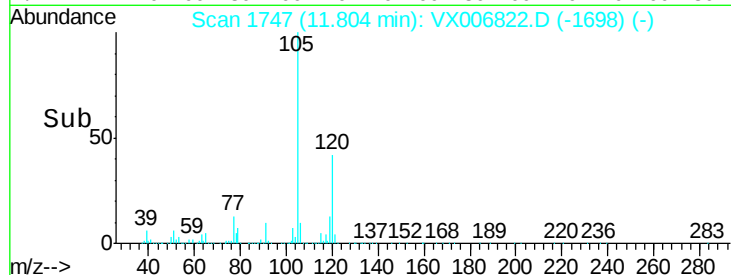
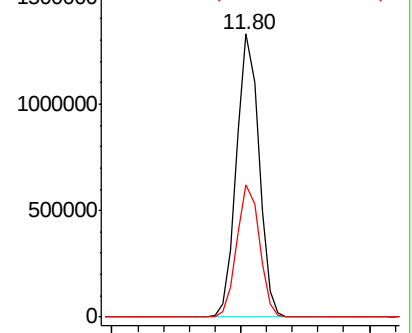
105 100

120 47.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 44.654 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.14 min

Lab File: VX006822.D

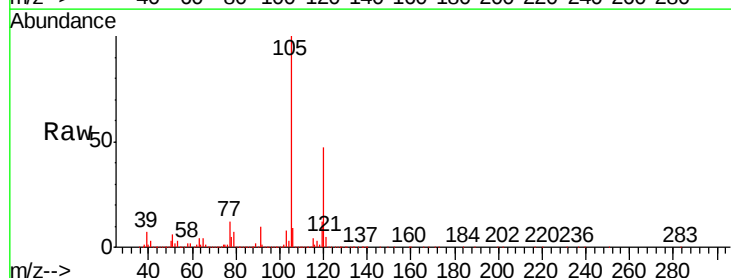
Acq: 26 Dec 2018 16:56

Tgt Ion:105 Resp: 1583715

Ion Ratio Lower Upper

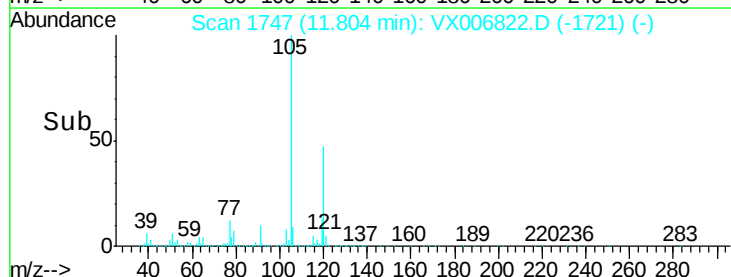
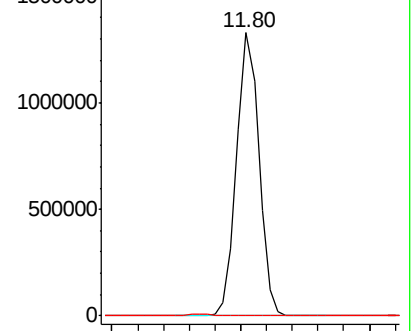
105 100

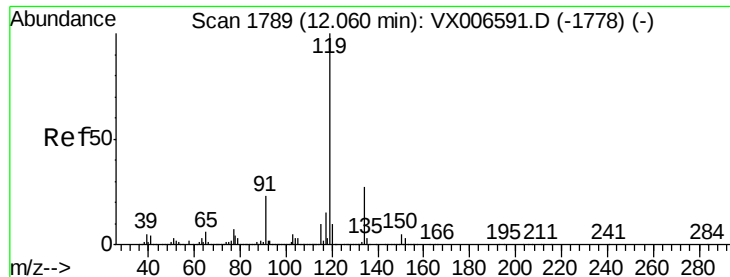
134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

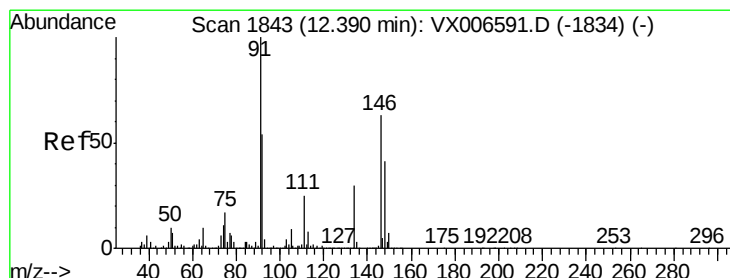
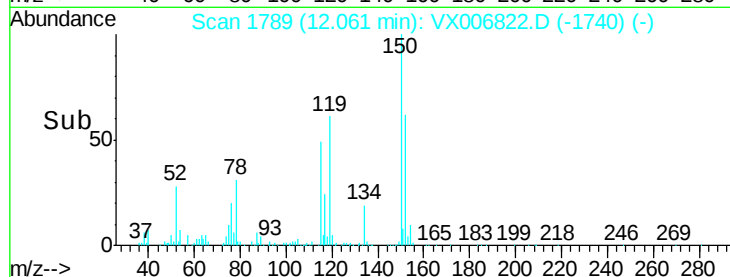
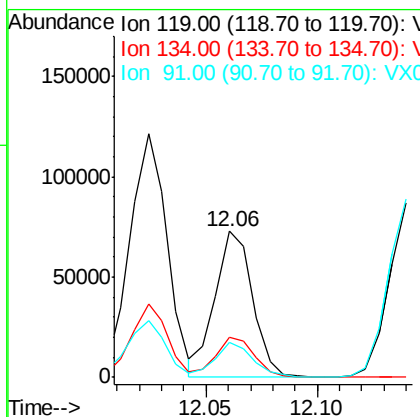
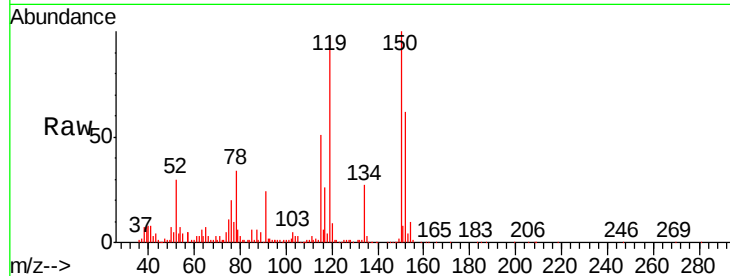




#86
 p-Isopropyltoluene
 Concen: 2.727 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

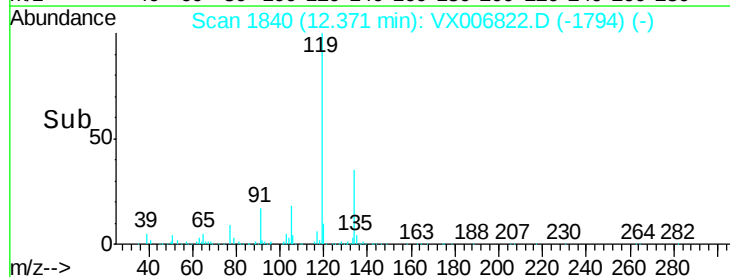
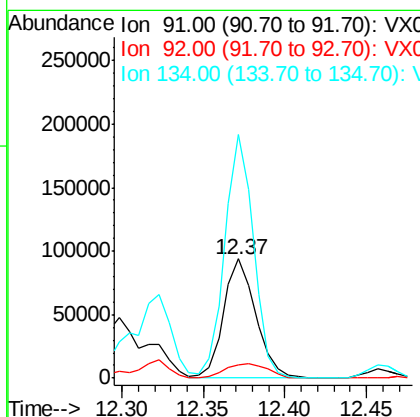
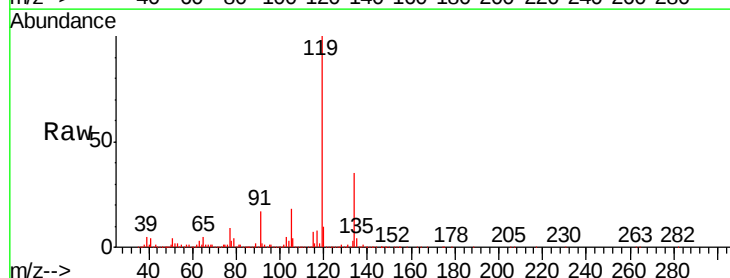
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

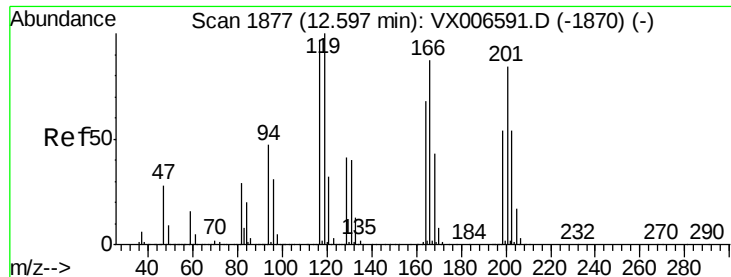
Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.8	14.0	41.9
91	23.7	11.3	33.9



#89
 n-Butylbenzene
 Concen: 4.826 ug/l
 RT: 12.37 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	16.7	26.8	80.4#
134	182.7	14.4	43.2#





#90

Hexachloroethane

Concen: 7.083 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

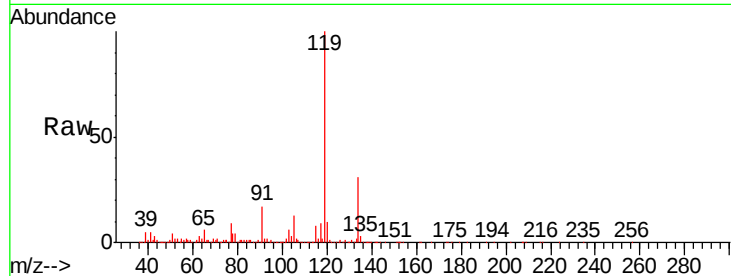
DUP-1

Tgt Ion: 117 Resp: 19796

Ion Ratio Lower Upper

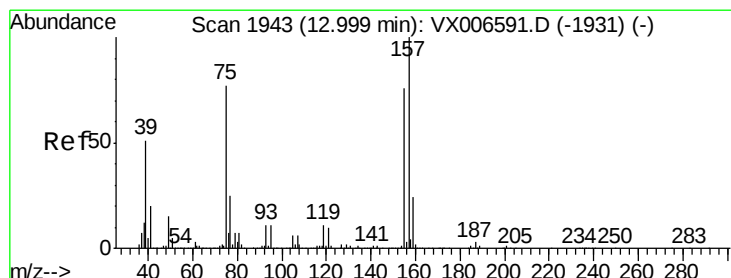
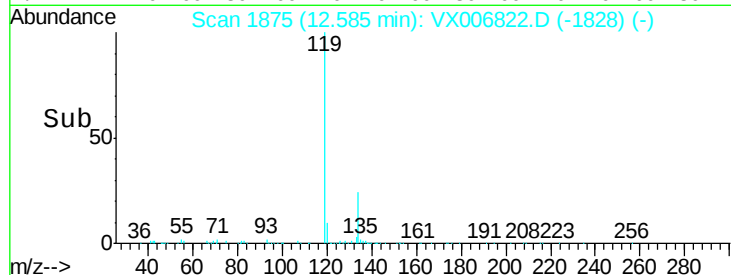
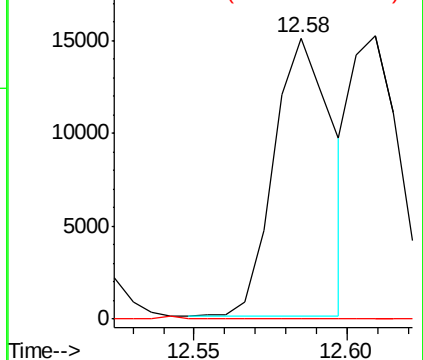
117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.515 ug/l

RT: 12.98 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

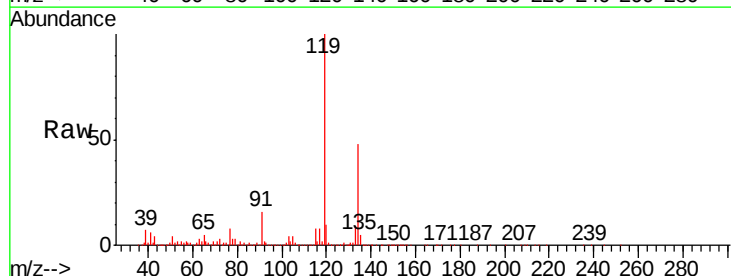
Tgt Ion: 75 Resp: 3272

Ion Ratio Lower Upper

75 100

155 6.7 50.6 151.8#

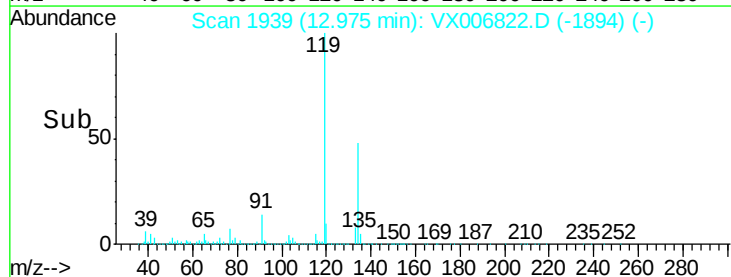
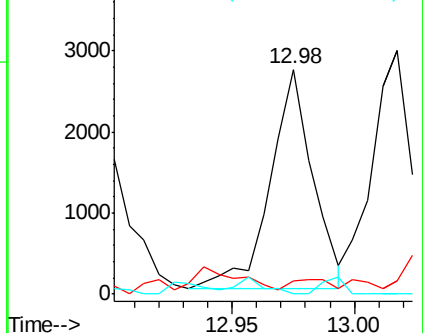
157 4.0 64.6 193.8#

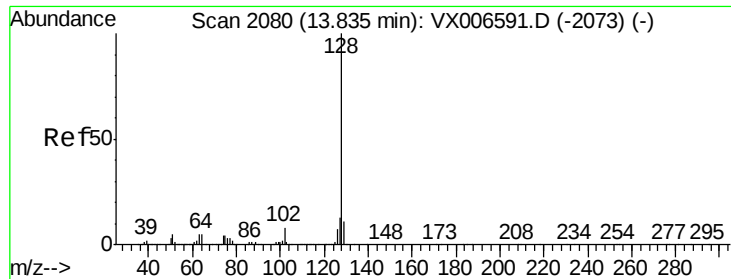


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

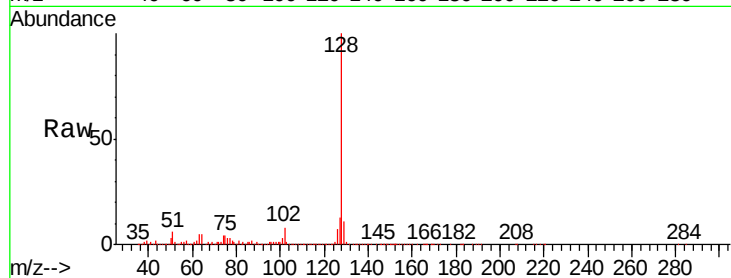




#95
Naphthalene
Concen: 11.746 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.4	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

