

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011719\
 Data File : VX007091.D
 Acq On : 17 Jan 2019 16:16
 Operator : JC/SP
 Sample : K1168-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

Quant Time: Jan 18 05:00:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	590360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	899528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	840085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	435476	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	308019	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	5.51	113	275223	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
50) Toluene-d8	8.71	98	1082099	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	393874	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2527	0.416	ug/l #	1
6) Chloroethane	1.78	64	1347	0.318	ug/l #	42
11) Tert butyl alcohol	3.06	59	5930	4.074	ug/l #	72
13) Acrolein	2.31	56	348	3.632	ug/l #	13
14) Allyl chloride	2.84	41	128334	13.801	ug/l #	64
15) Acrylonitrile	3.18	53	2733	0.818	ug/l #	38
16) Acetone	2.45	43	3116	1.022	ug/l	93
18) Methyl Acetate	2.85	43	310223	35.121	ug/l #	53
20) Methylene Chloride	2.86	84	1171	Below Cal	#	1
25) 2-Butanone	4.56	43	26001	5.958	ug/l #	47
27) cis-1,2-Dichloroethene	4.60	96	1887	0.283	ug/l	82
29) Tetrahydrofuran	5.13	42	747	0.263	ug/l #	47
31) Cyclohexane	5.58	56	6909	0.794	ug/l #	84
36) 1,1-Dichloropropene	5.66	75	37086	4.742	ug/l #	49
38) Carbon Tetrachloride	5.66	117	53210	6.762	ug/l #	14
39) Methylcyclohexane	7.45	83	57353	5.752	ug/l #	41
40) Benzene	6.15	78	7394	0.310	ug/l	91
43) Isopropyl Acetate	6.34	43	357315	27.017	ug/l #	59
47) Bromodichloromethane	7.85	83	6743	0.940	ug/l #	85
48) Methyl methacrylate	7.85	41	38952	5.735	ug/l	92
49) 1,4-Dioxane	7.76	88	225	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.68	43	29234	3.440	ug/l #	67
55) 1,1,2-Trichloroethane	9.16	97	22969	3.741	ug/l #	18
56) Ethyl methacrylate	9.16	69	4869	0.543	ug/l #	1
65) Chlorobenzene	10.14	112	348748	19.034	ug/l	99
73) Isopropylbenzene	11.02	105	113720	3.703	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	8996	0.923	ug/l #	33
76) 1,2,3-Trichloropropane	11.13	75	190534	21.591	ug/l #	39
78) n-propylbenzene	11.36	91	7915	0.235	ug/l	95
80) 1,3,5-Trimethylbenzene	11.67	105	5283	0.206	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.13	75	190534	64.011	ug/l #	10
82) 4-Chlorotoluene	11.36	91	7915	0.337	ug/l #	47
83) tert-Butylbenzene	11.77	119	142231	5.556	ug/l	93
84) 1,2,4-Trimethylbenzene	11.94	105	292805	11.348	ug/l #	30

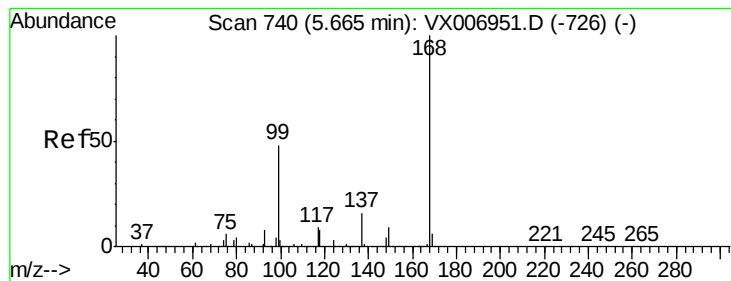
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	292852	9.579	uq/l #	55
86) p-Isopropyltoluene	12.23	119	525618	19.220	uq/l	97
87) 1,3-Dichlorobenzene	12.03	146	8310	0.543	uq/l	94
88) 1,4-Dichlorobenzene	12.03	146	8310	0.717	uq/l	91
89) n-Butylbenzene	12.36	91	16656	0.714	uq/l #	5
90) Hexachloroethane	12.67	117	148446	34.933	uq/l #	6
91) 1,2-Dichlorobenzene	12.39	146	4926	0.326	uq/l	90
92) 1,2-Dibromo-3-Chloropropan	12.97	75	5936	3.079	uq/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

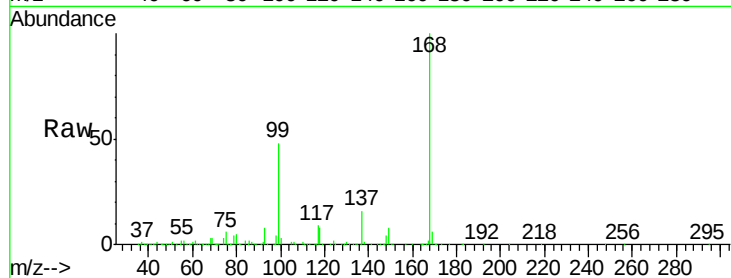
DUP-0500-190115

Tot Ion:168 Resp: 590360

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

5.66

200000

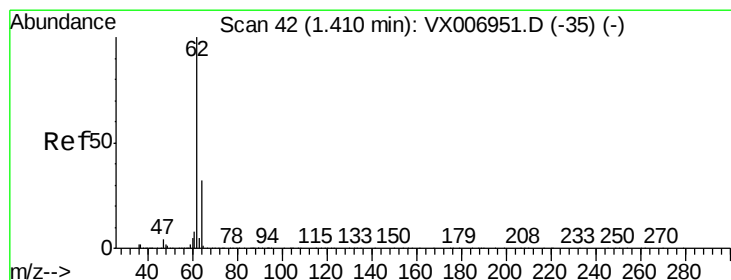
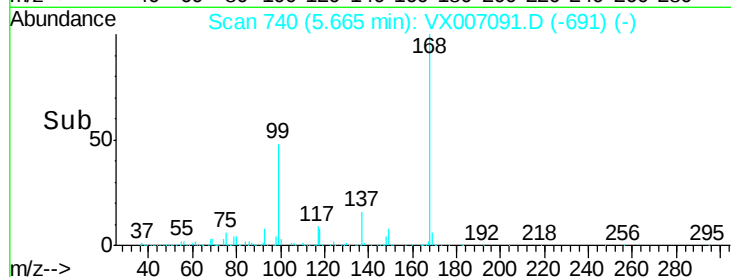
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.416 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007091.D

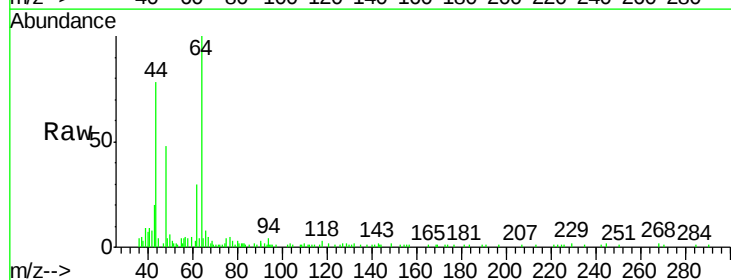
Acq: 17 Jan 2019 16:16

Tgt Ion: 62 Resp: 2527

Ion Ratio Lower Upper

62 100

64 171.7 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

10000

8000

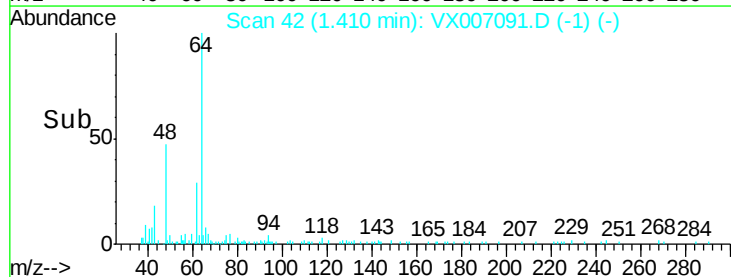
6000

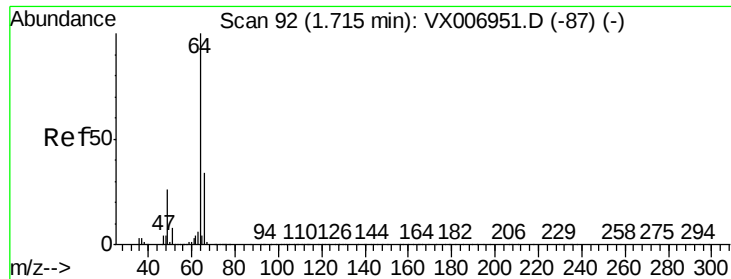
4000

2000

0

Time--> 1.35 1.40 1.45





#6

Chloroethane

Concen: 0.318 ug/l

RT: 1.78 min Scan# 102

Delta R.T. 0.06 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

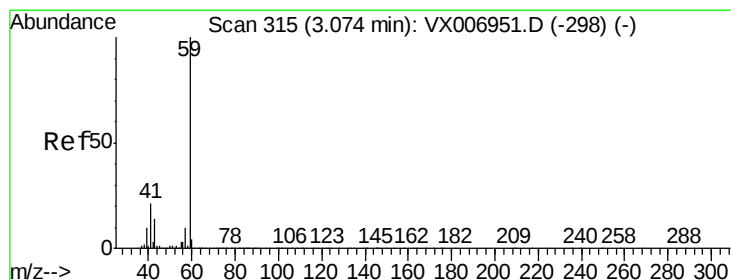
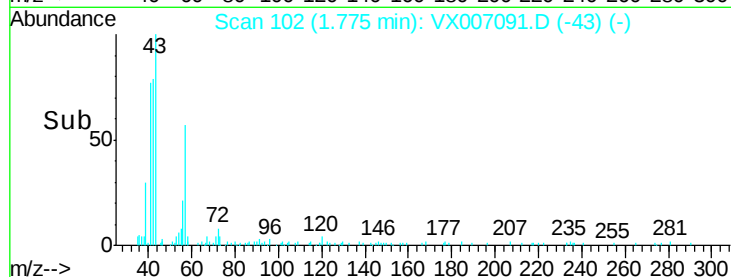
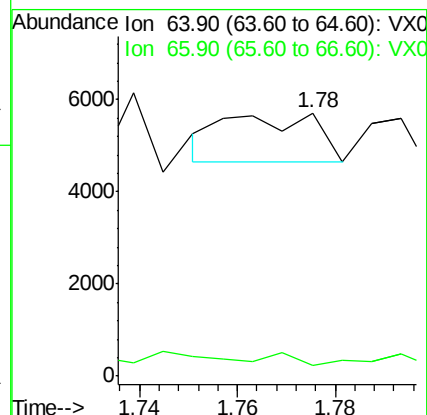
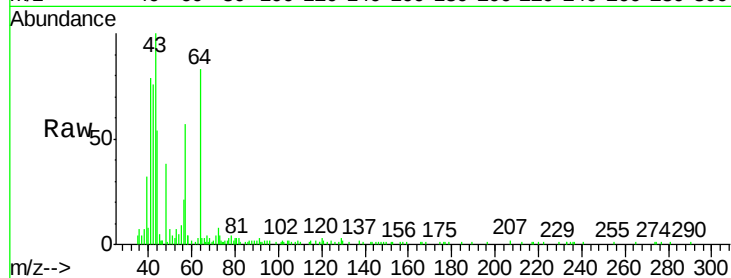
DUP-0500-190115

Tot Ion: 64 Resp: 1347

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#11

Tert butyl alcohol

Concen: 4.074 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007091.D

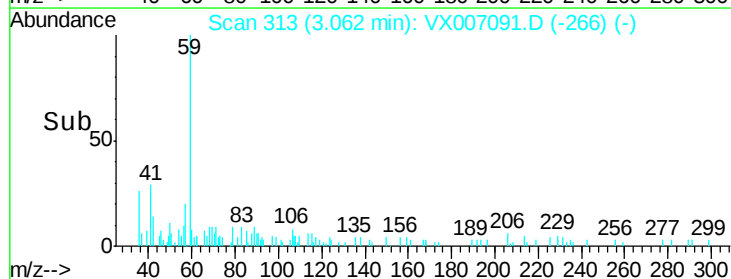
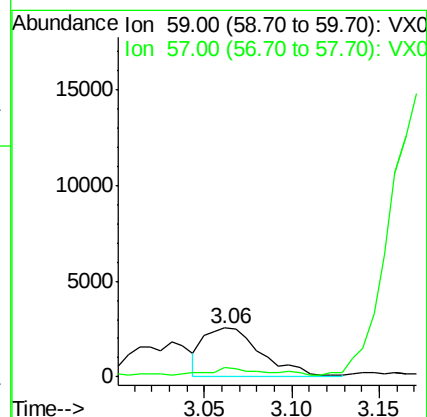
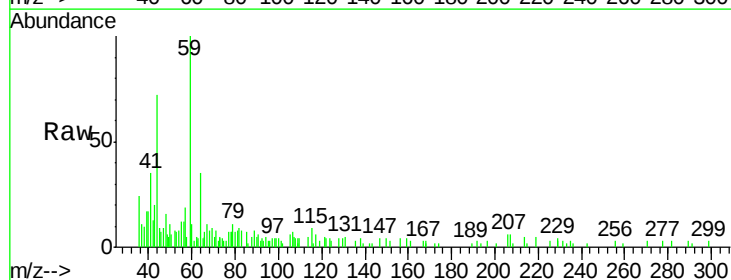
Acq: 17 Jan 2019 16:16

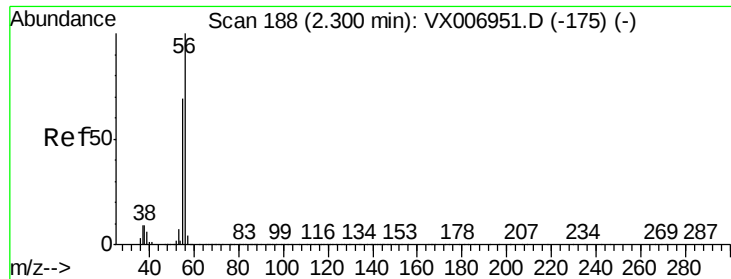
Tgt Ion: 59 Resp: 5930

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 3.632 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

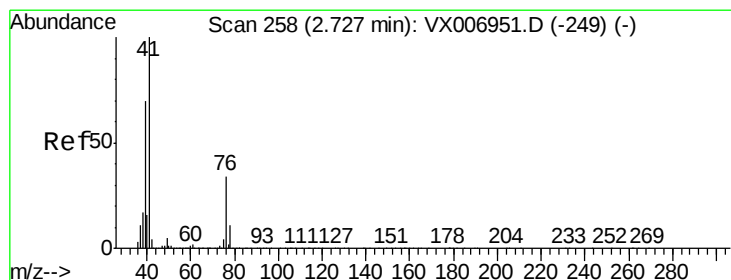
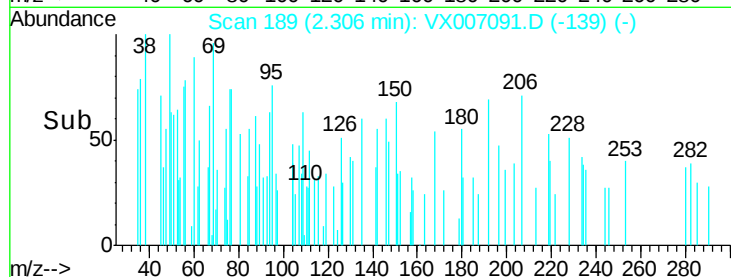
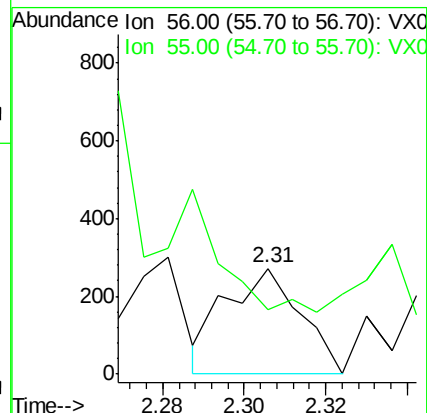
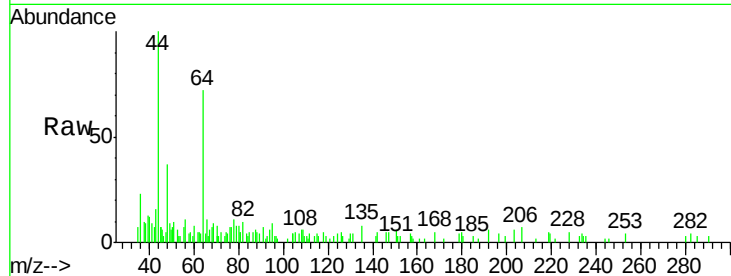
DUP-0500-190115

Tot Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



#14

Allyl chloride

Concen: 13.801 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

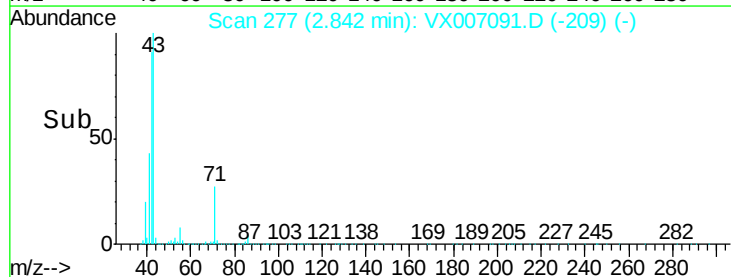
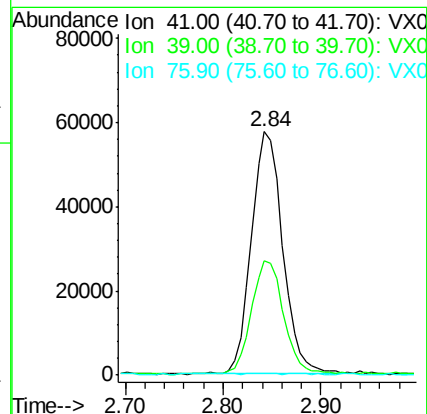
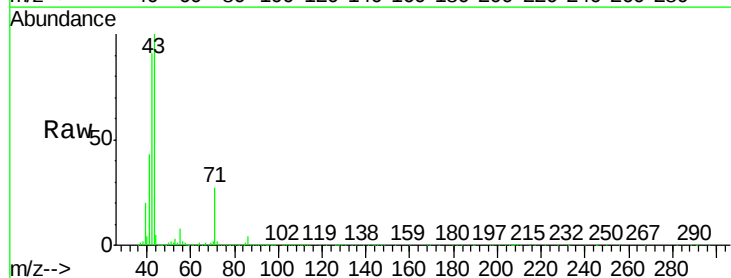
Tgt Ion: 41 Resp: 128334

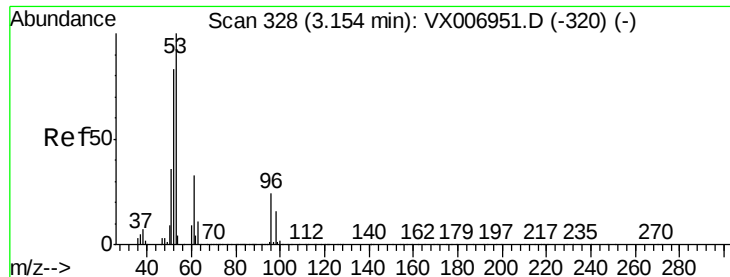
Ion Ratio Lower Upper

41 100

39 48.0 53.6 80.4#

76 0.2 27.4 41.2#





#15

Acrylonitrile

Concen: 0.818 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.02 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

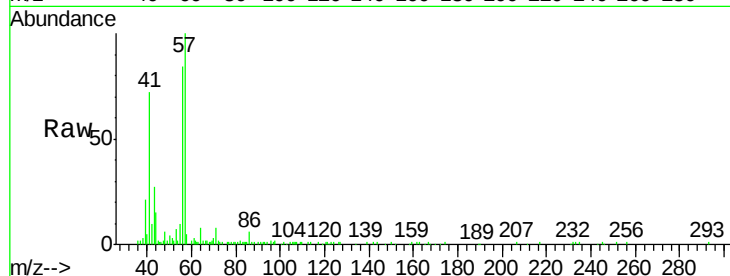
Tot Ion: 53 Resp: 2733

Ion Ratio Lower Upper

53 100

52 7.9 66.0 99.0#

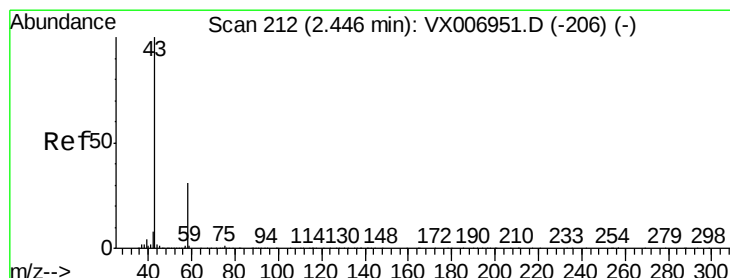
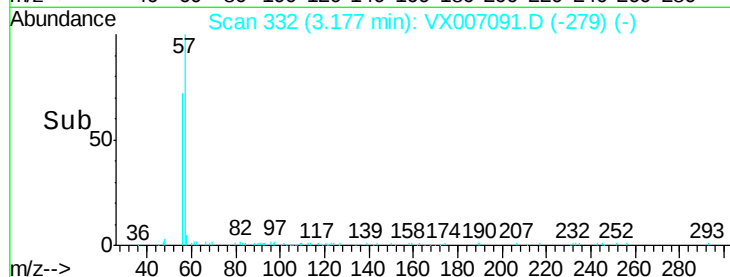
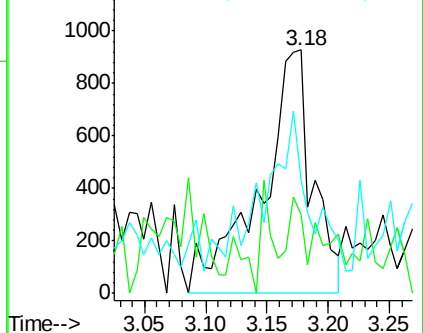
51 44.2 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.022 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX007091.D

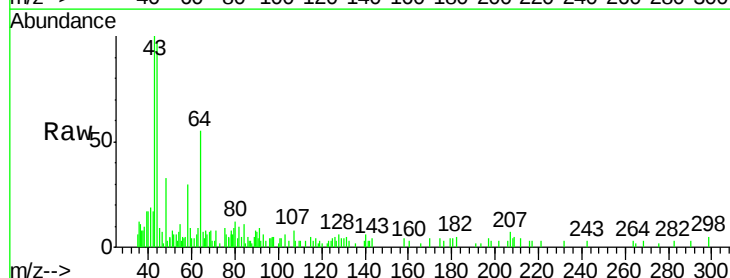
Acq: 17 Jan 2019 16:16

Tgt Ion: 43 Resp: 3116

Ion Ratio Lower Upper

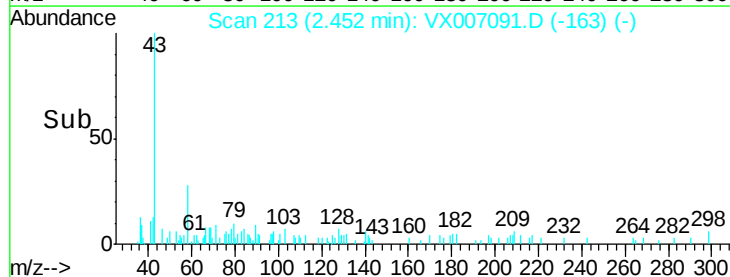
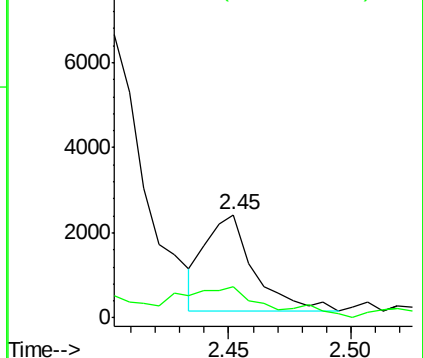
43 100

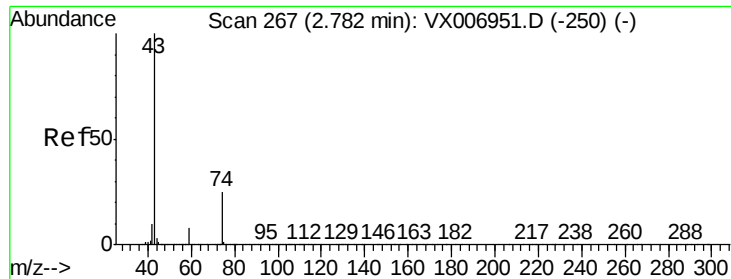
58 27.5 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

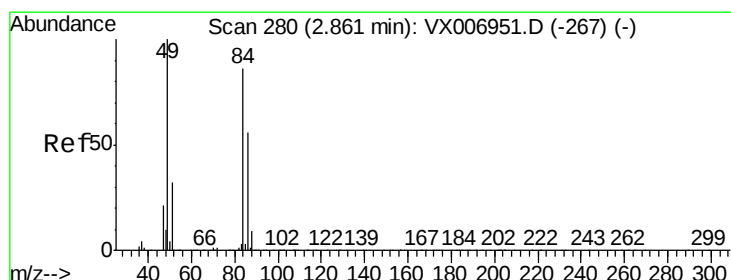
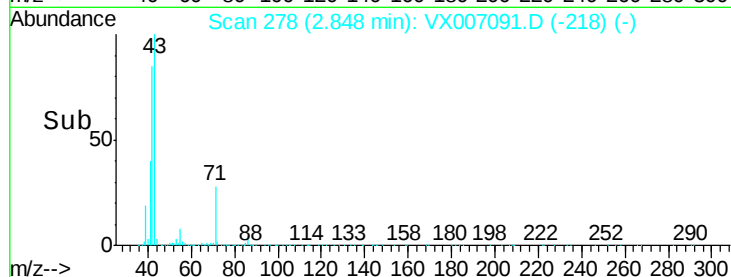
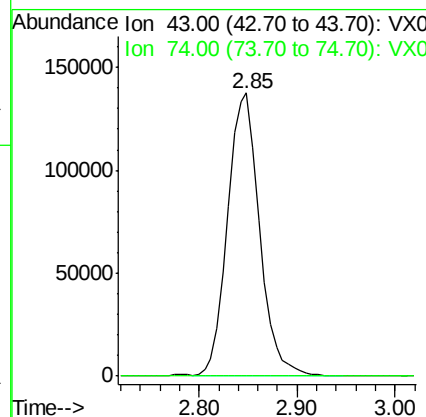
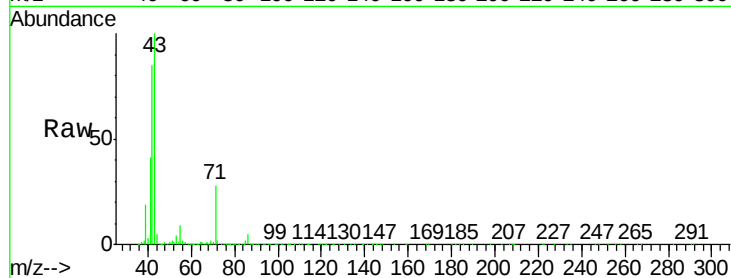




#18
Methyl Acetate
Concen: 35.121 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.07 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

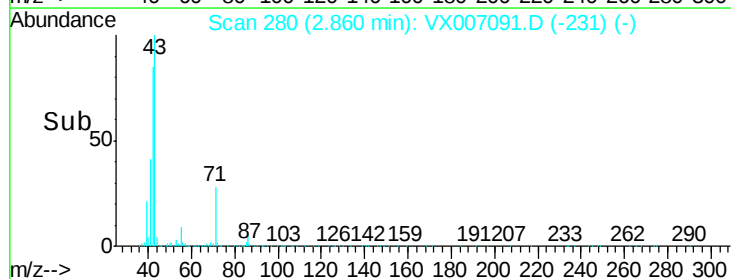
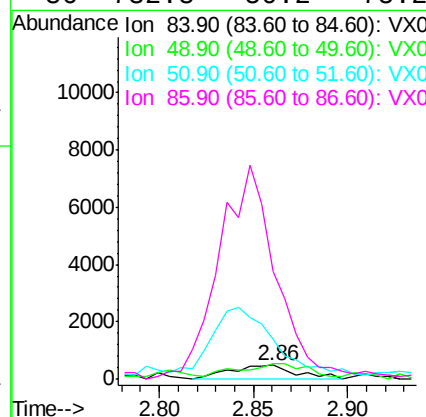
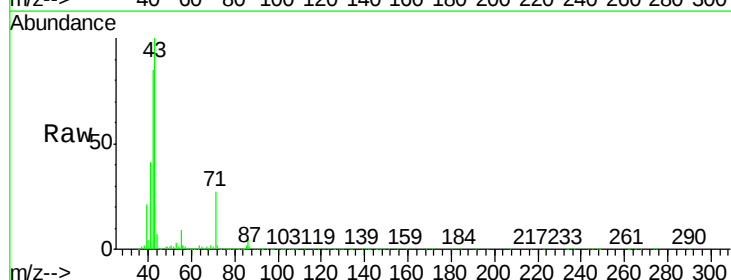
Instrument :
MSVOA_X
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DUP-0500-190115

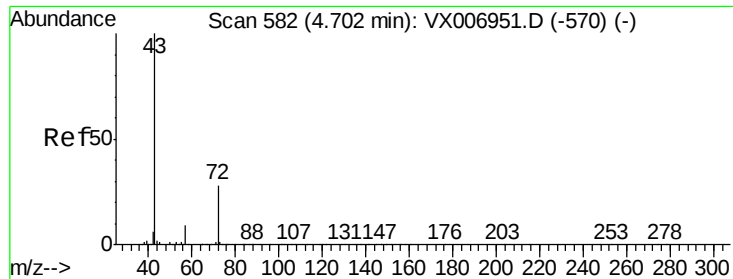
Tot Ion: 43 Resp: 310223
Ion Ratio Lower Upper
43 100
74 0.1 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Tgt Ion: 84 Resp: 1171
Ion Ratio Lower Upper
84 100
49 98.1 91.8 137.6
51 221.1 28.5 42.7#
86 732.8 50.2 75.2#





#25

2-Butanone

Concen: 5.958 ug/l

RT: 4.56 min Scan# 558

Delta R.T. -0.15 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

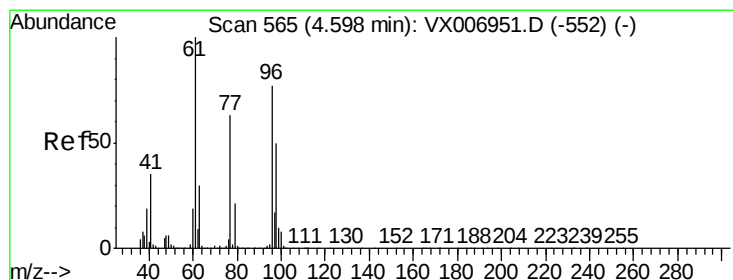
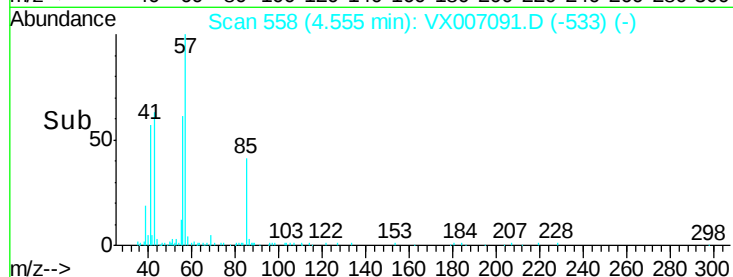
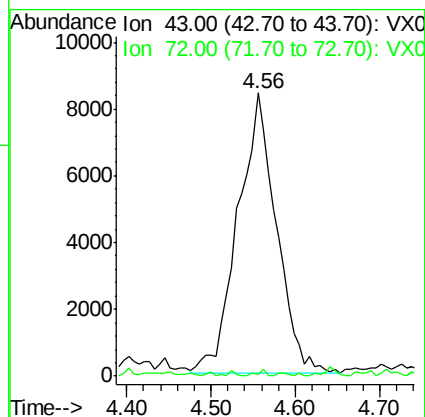
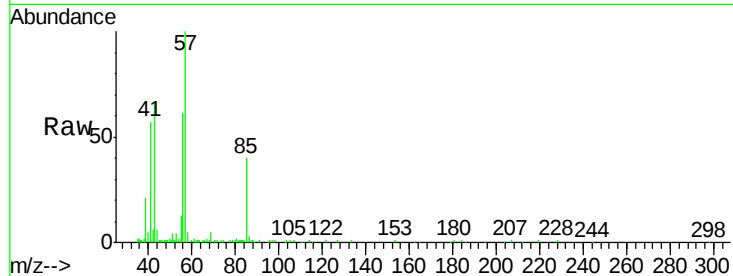
DUP-0500-190115

Tot Ion: 43 Resp: 26001

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



#27

cis-1,2-Dichloroethene

Concen: 0.283 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

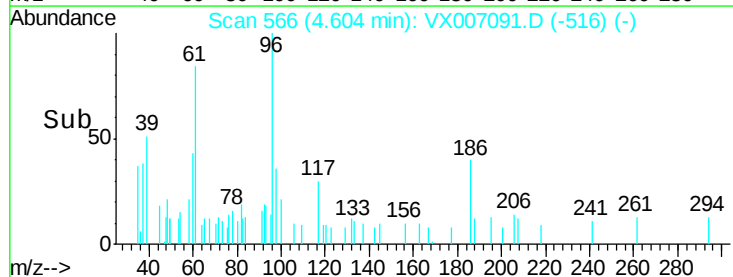
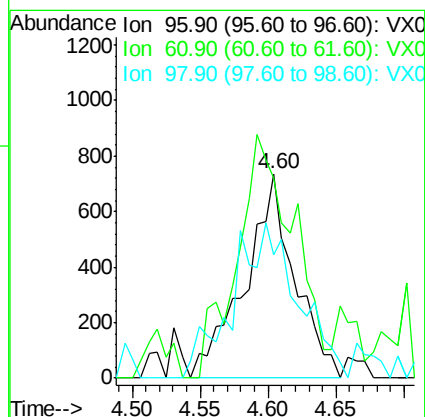
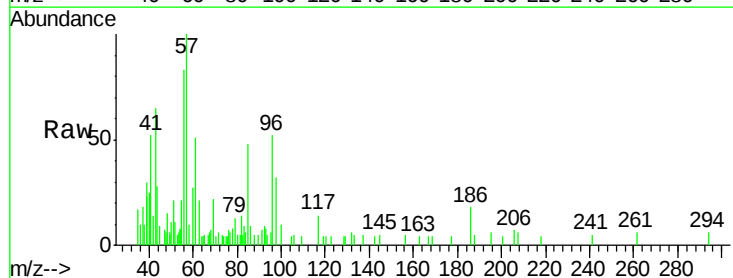
Tgt Ion: 96 Resp: 1887

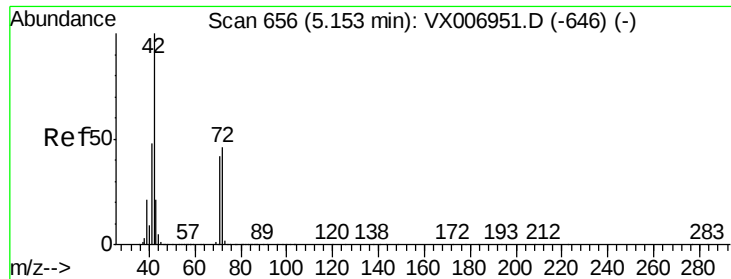
Ion Ratio Lower Upper

96 100

61 135.7 0.0 258.6

98 99.4 0.0 132.0

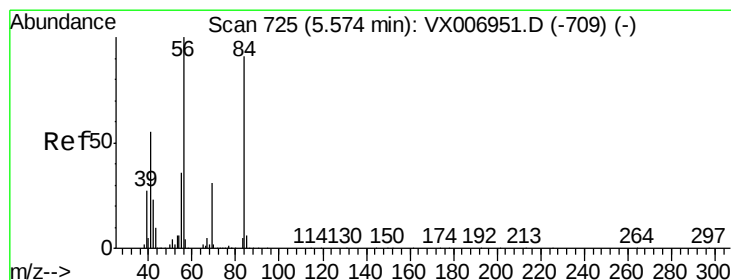
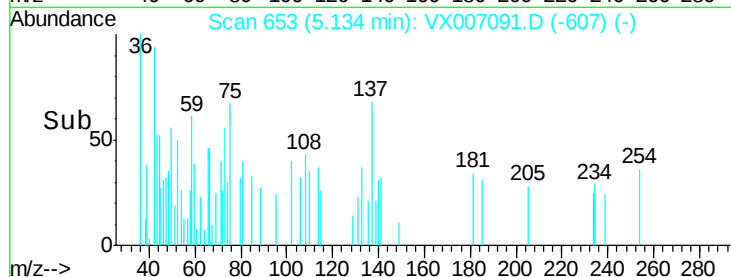
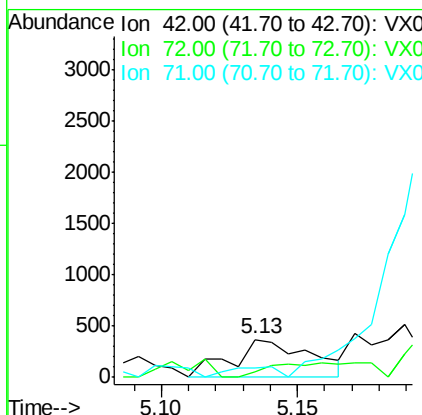
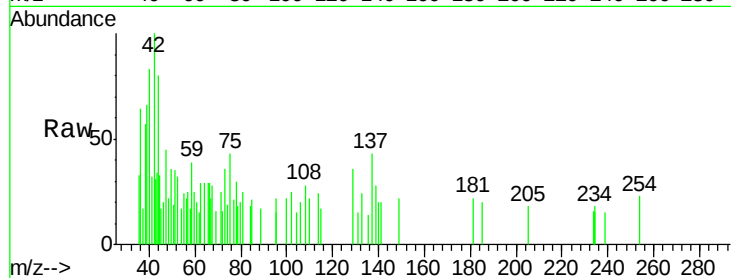




#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 5.13 min Scan# 653
Delta R.T. -0.02 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

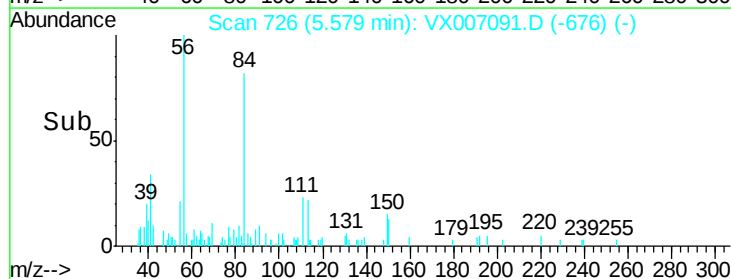
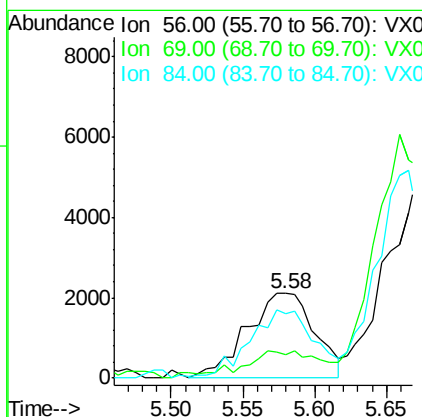
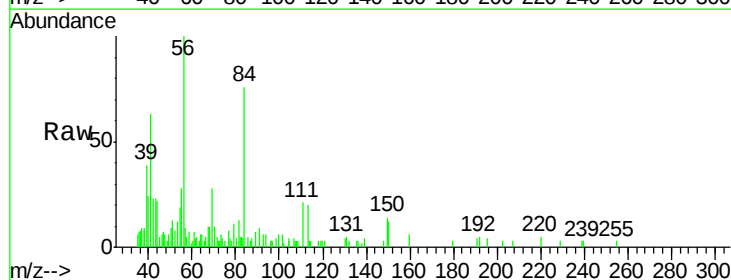
Instrument :
MSVOA_X
ClientSampleId :
DUP-0500-190115

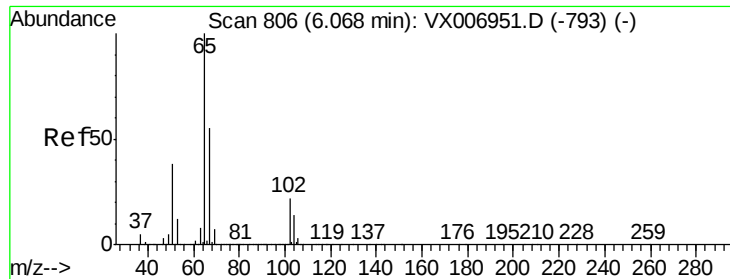
Tot Ion: 42 Resp: 747
Ion Ratio Lower Upper
42 100
72 23.3 38.9 58.3#
71 0.0 36.2 54.4#



#31
Cyclohexane
Concen: 0.794 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Tgt Ion: 56 Resp: 6909
Ion Ratio Lower Upper
56 100
69 21.7 24.4 36.6#
84 73.1 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 49.924 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

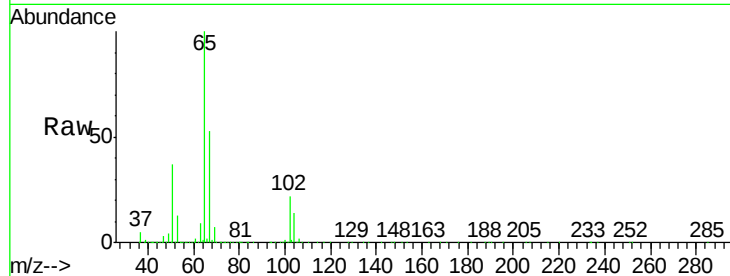
DUP-0500-190115

Tot Ion: 65 Resp: 308019

Ion Ratio Lower Upper

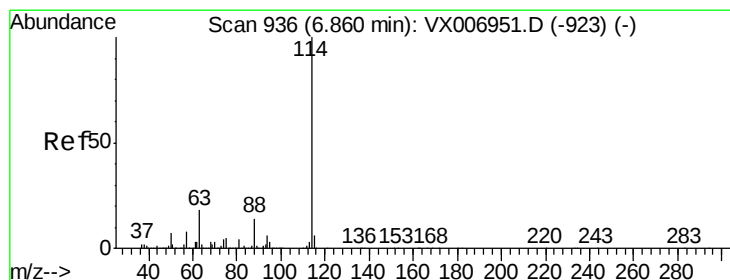
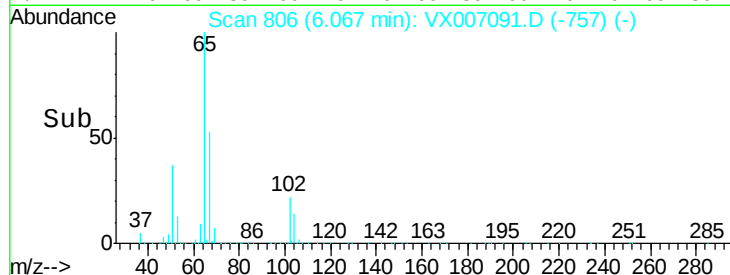
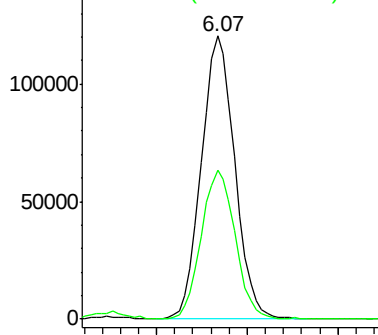
65 100

67 53.2 0.0 105.0



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: VX007091.D

Acq: 17 Jan 2019 16:16

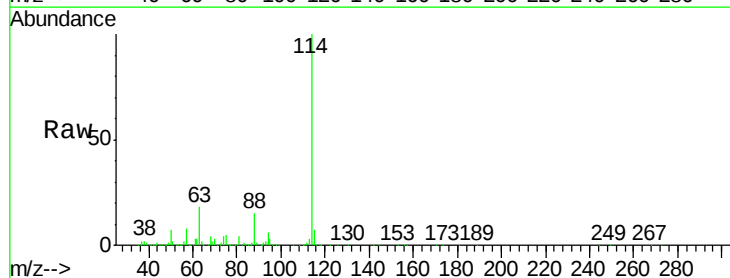
Tgt Ion: 114 Resp: 899528

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

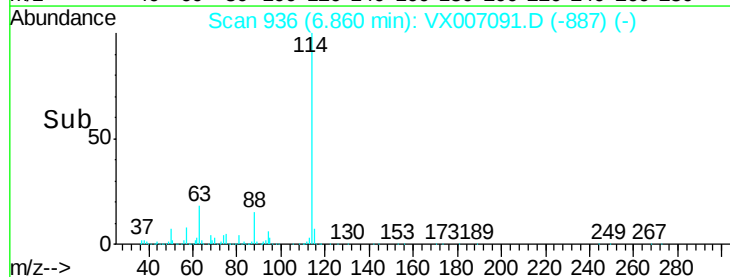
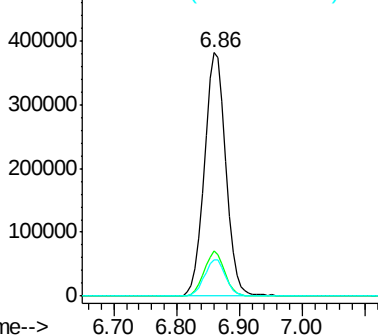
88 15.0 0.0 28.8

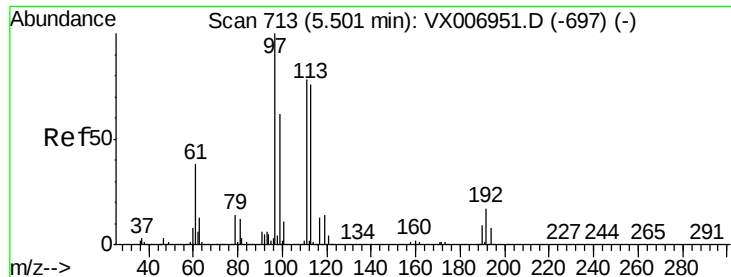


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.777 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

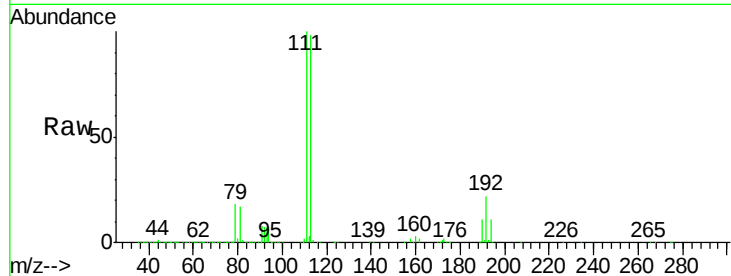
Tot Ion:113 Resp: 275223

Ion Ratio Lower Upper

113 100

111 101.8 81.6 122.4

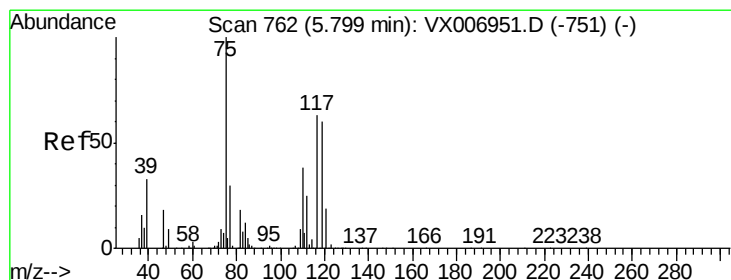
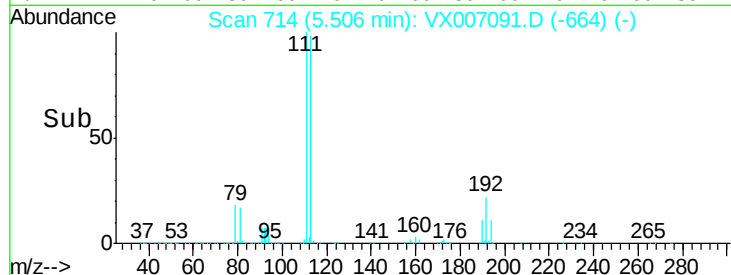
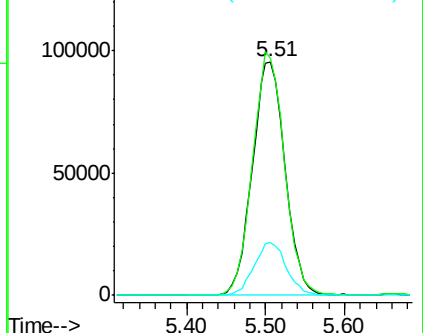
192 22.5 16.7 25.1



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: 4.742 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

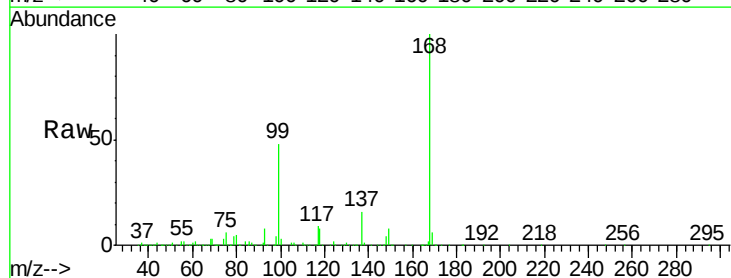
Tgt Ion: 75 Resp: 37086

Ion Ratio Lower Upper

75 100

110 10.7 20.2 60.5#

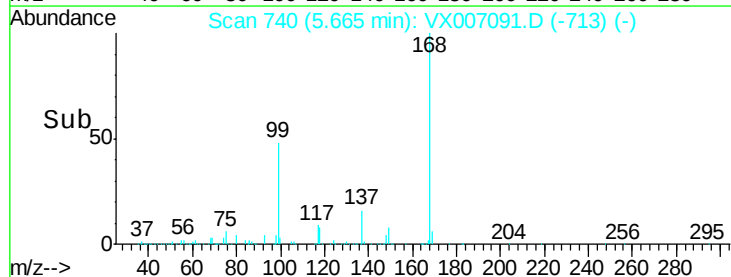
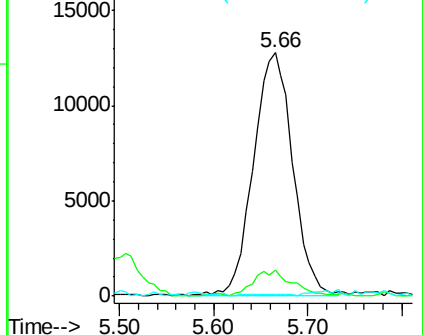
77 0.9 24.8 37.2#

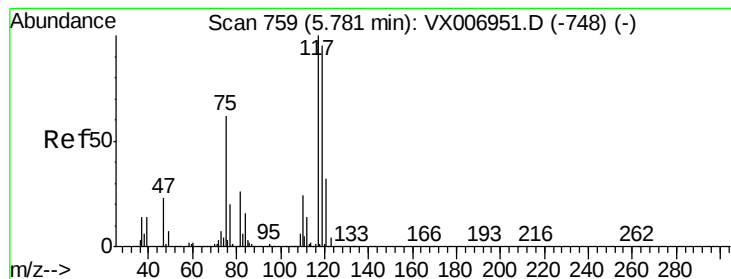


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.762 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

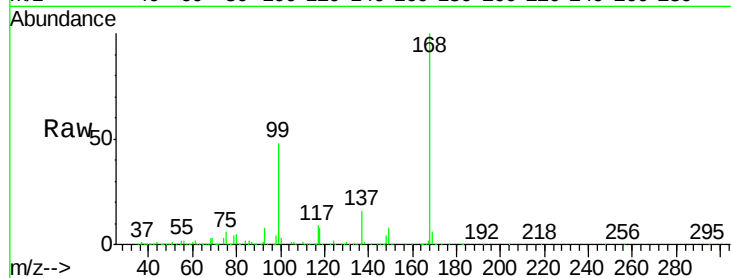
Tot Ion:117 Resp: 53210

Ion Ratio Lower Upper

117 100

119 4.3 79.4 119.2#

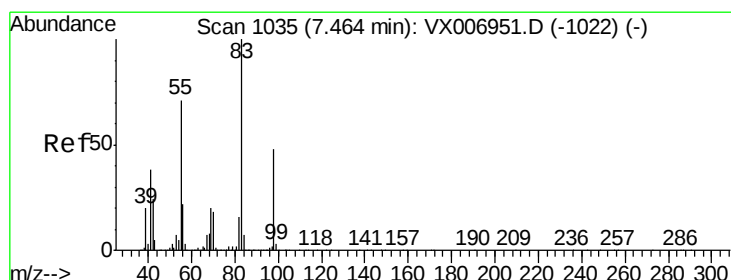
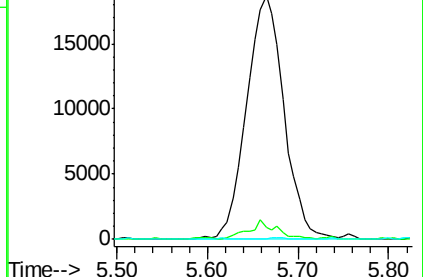
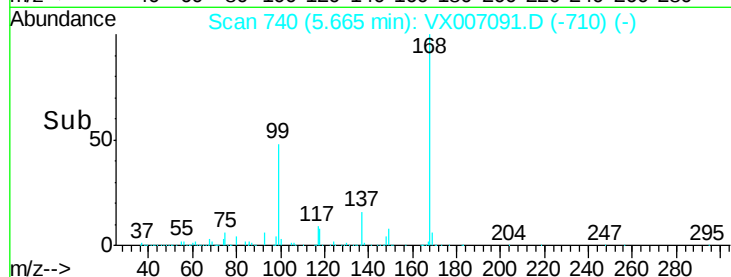
121 0.0 24.0 36.0#



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: 5.752 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

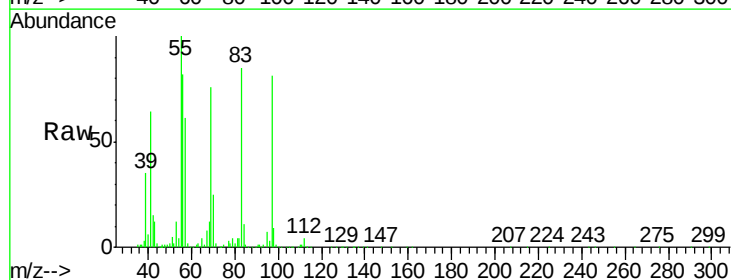
Tgt Ion: 83 Resp: 57353

Ion Ratio Lower Upper

83 100

55 117.9 54.9 82.3#

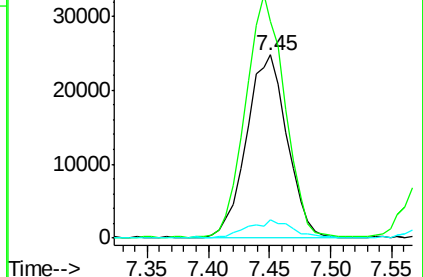
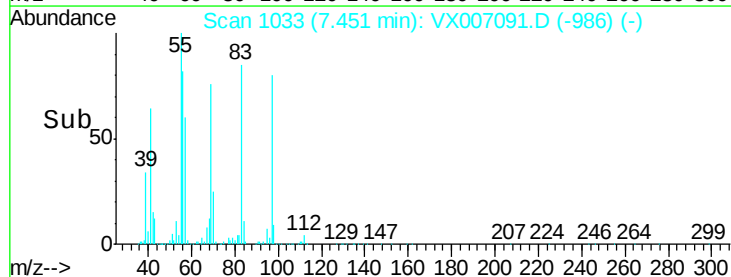
98 10.1 37.9 56.9#

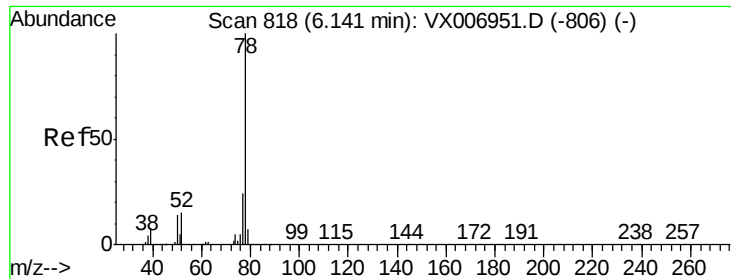


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.310 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

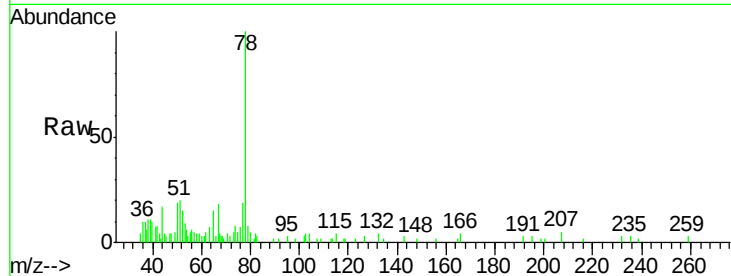
DUP-0500-190115

Tot Ion: 78 Resp: 7394

Ion Ratio Lower Upper

78 100

77 19.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

3000

2500

2000

1500

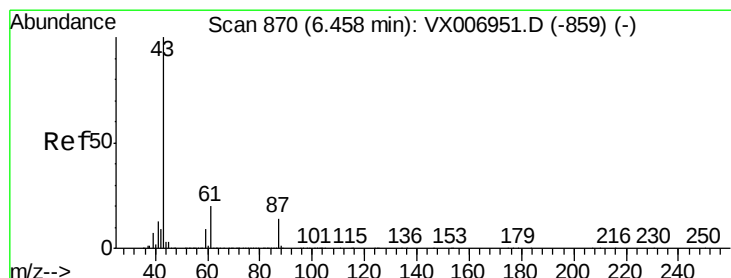
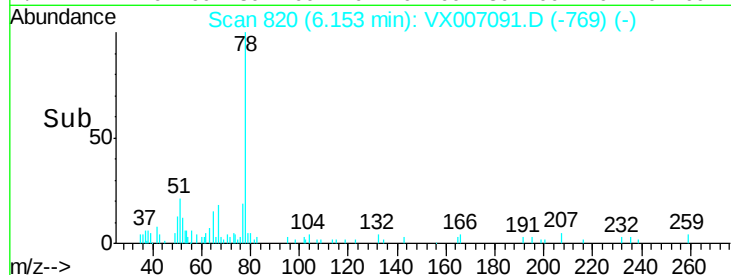
1000

500

0

6.00 6.10 6.20

Time-->



#43

Isopropyl Acetate

Concen: 27.017 ug/l

RT: 6.34 min Scan# 851

Delta R.T. -0.12 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

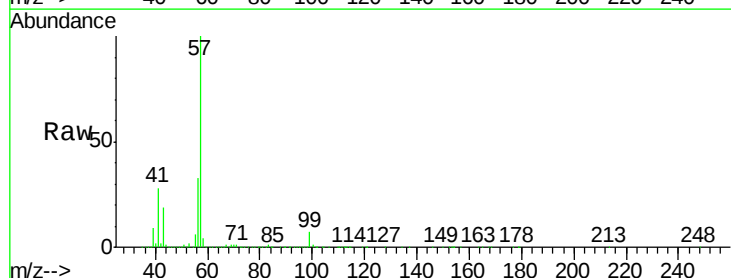
Tgt Ion: 43 Resp: 357315

Ion Ratio Lower Upper

43 100

61 0.2 16.8 25.2#

87 0.0 12.4 18.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

150000

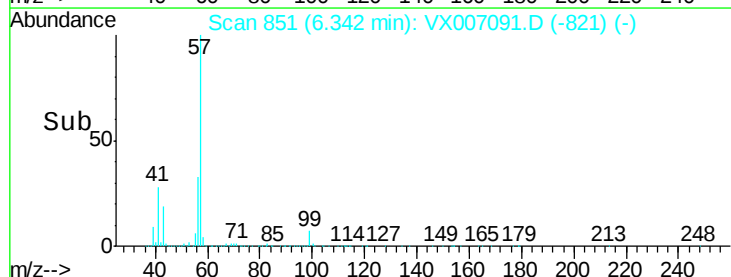
100000

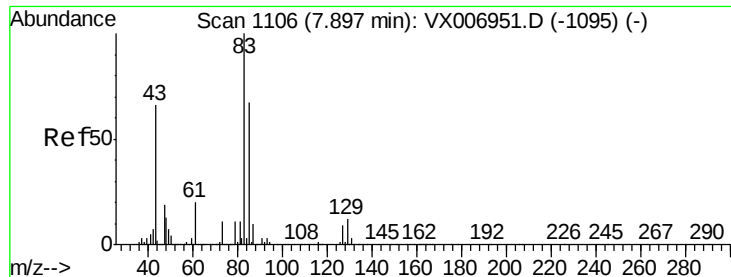
50000

0

6.20 6.30 6.40 6.50

Time-->





#47

Bromodichloromethane

Concen: 0.940 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. -0.05 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

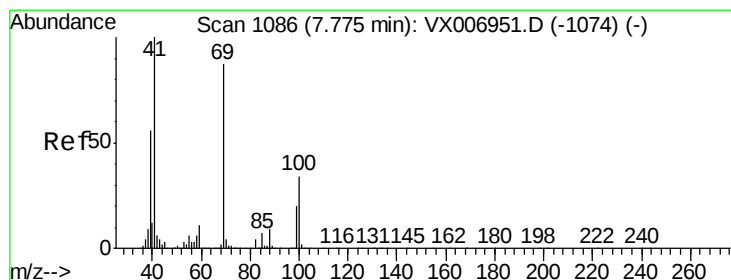
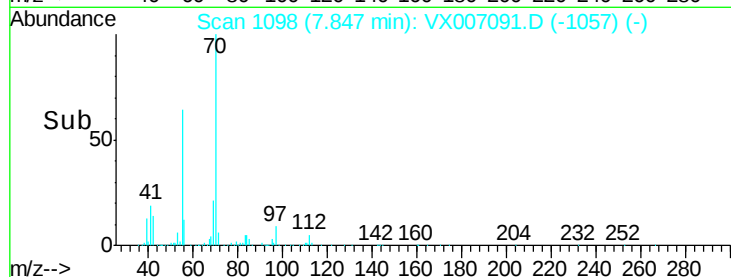
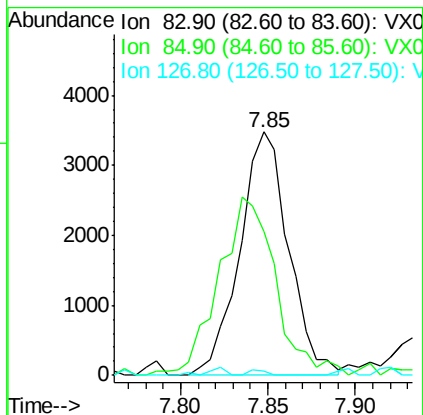
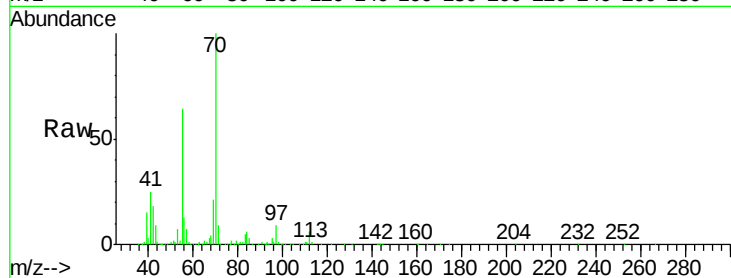
Tot Ion: 83 Resp: 6743

Ion Ratio Lower Upper

83 100

85 55.4 53.2 79.8

127 0.3 7.8 11.6#



#48

Methyl methacrylate

Concen: 5.735 ug/l

RT: 7.85 min Scan# 1098

Delta R.T. 0.07 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

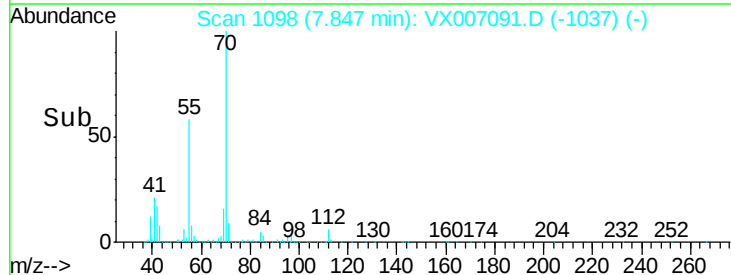
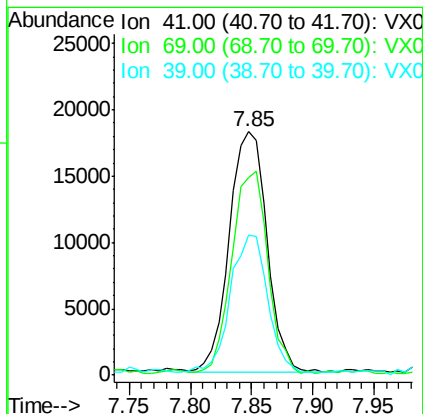
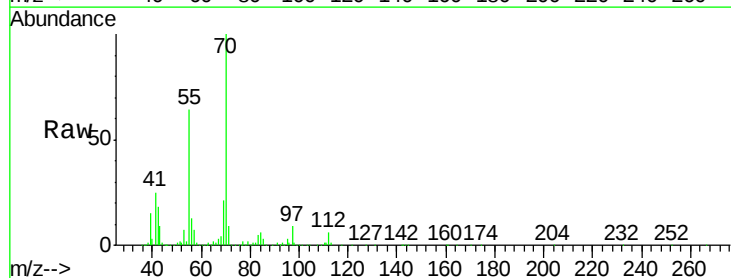
Tgt Ion: 41 Resp: 38952

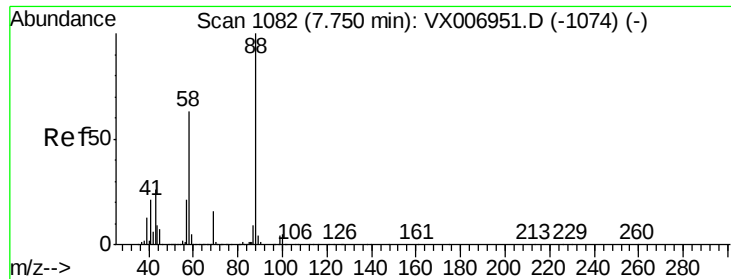
Ion Ratio Lower Upper

41 100

69 79.6 72.4 108.6

39 56.1 45.8 68.8

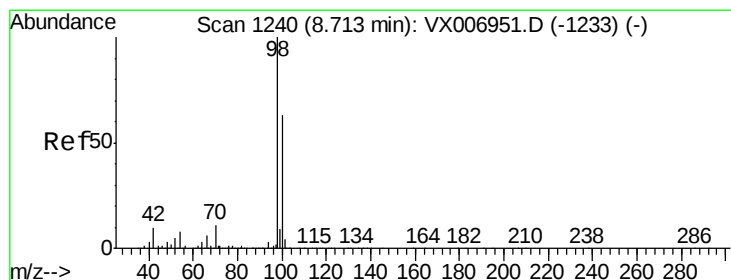
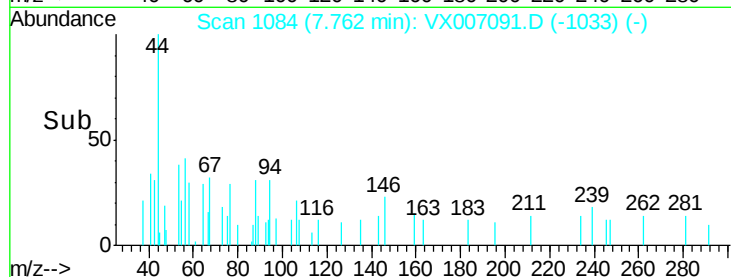
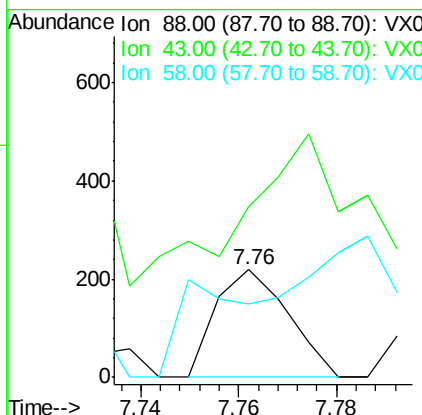
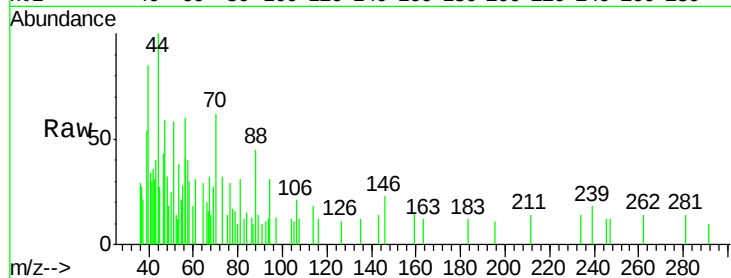




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

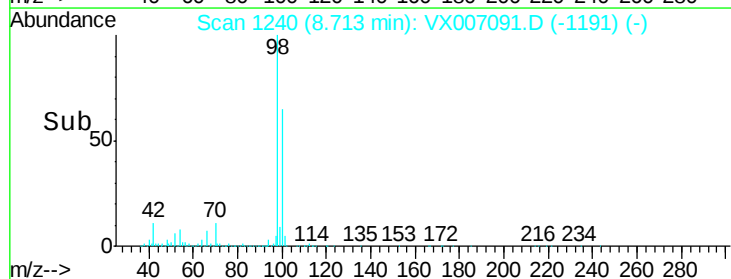
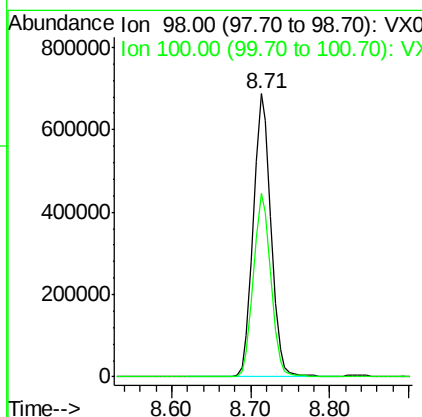
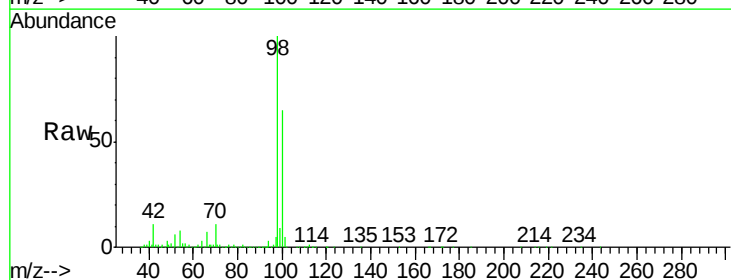
Instrument :
MSVOA_X
ClientSampleId :
DUP-0500-190115

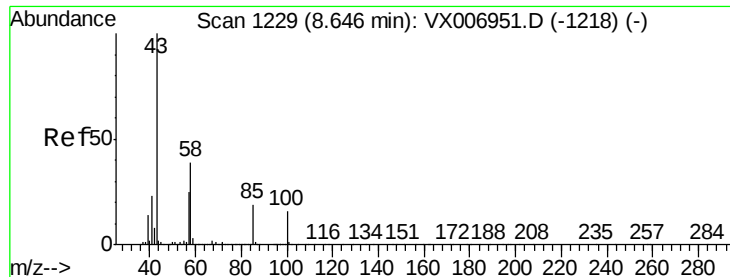
Tot Ion: 88 Resp: 225
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 51.320 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Tgt Ion: 98 Resp: 1082099
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

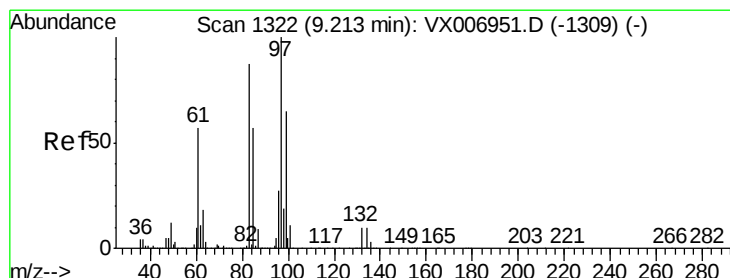
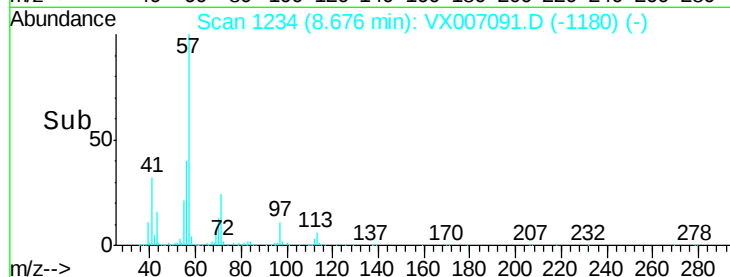
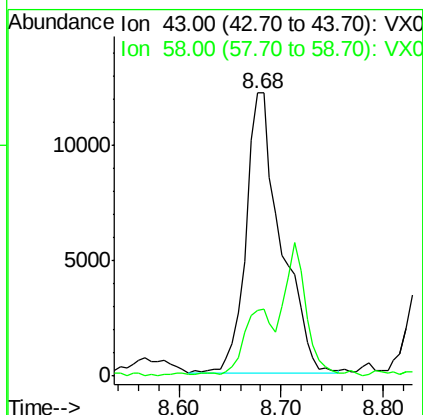
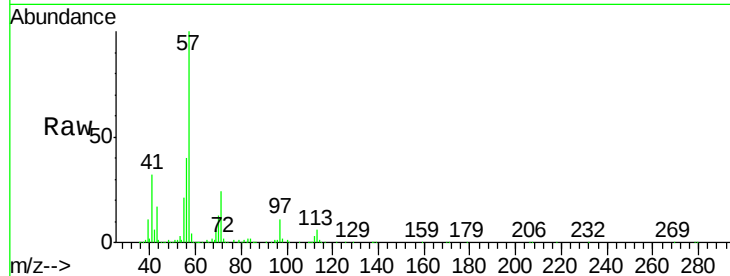




#51
 4-Methyl-2-Pentanone
 Concen: 3.440 ug/l
 RT: 8.68 min Scan# 1234
 Delta R.T. 0.03 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

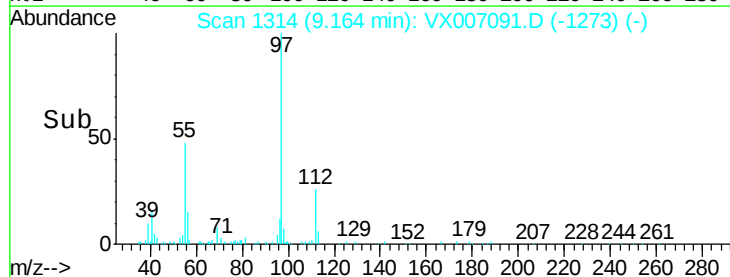
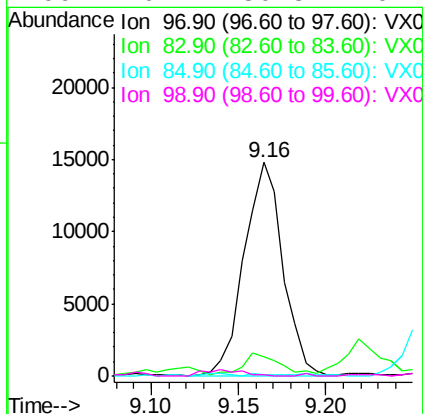
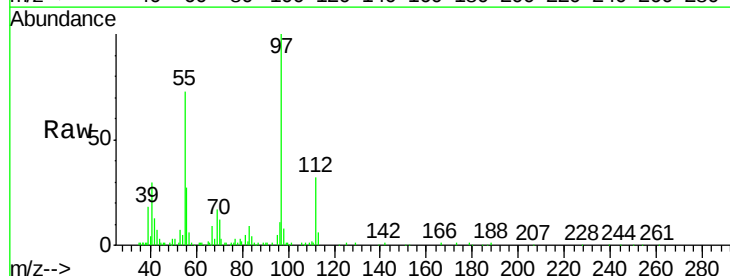
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

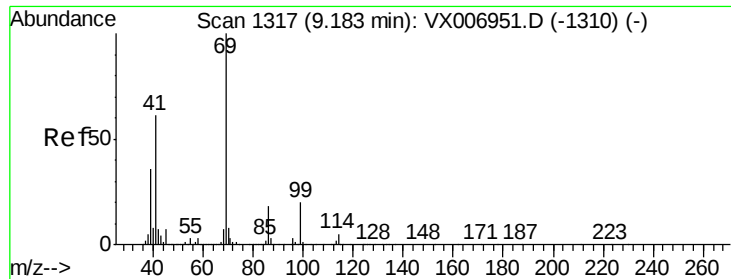
Tot Ion: 43 Resp: 29234
 Ion Ratio Lower Upper
 43 100
 58 19.3 31.8 47.6#



#55
 1,1,2-Trichloroethane
 Concen: 3.741 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Tgt Ion: 97 Resp: 22969
 Ion Ratio Lower Upper
 97 100
 83 4.6 66.6 99.8#
 85 0.5 42.7 64.1#
 99 0.7 50.8 76.2#





#56

Ethyl methacrylate

Concen: 0.543 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :
MSVOA_X
ClientSampleId :
DUP-0500-190115

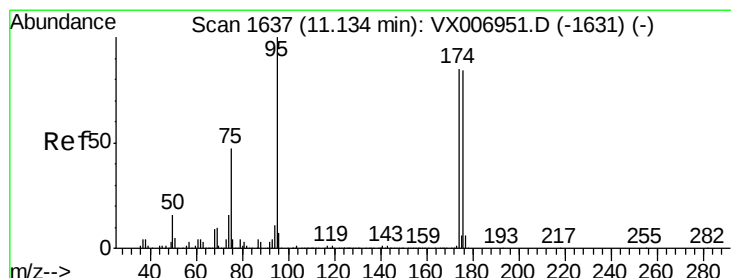
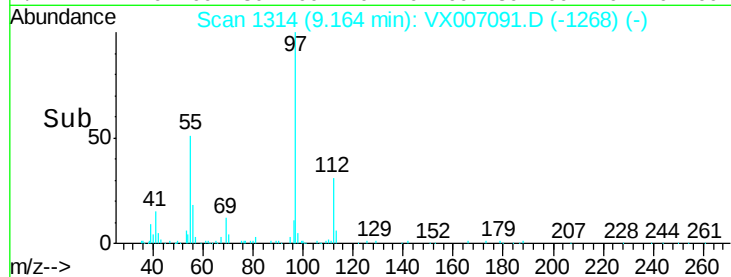
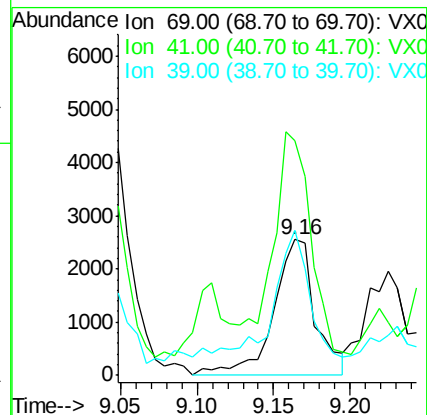
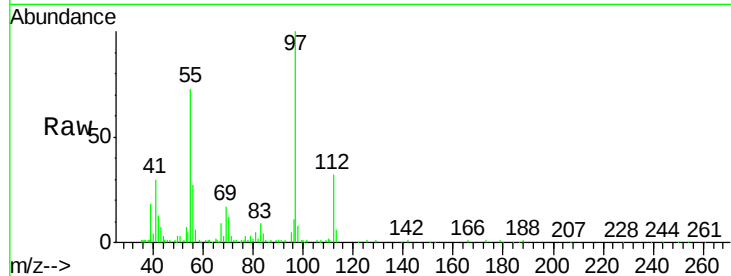
Tot Ion: 69 Resp: 4869

Ion Ratio Lower Upper

69 100

41 145.0 48.7 73.1#

39 84.2 27.0 40.6#



#62

4-Bromofluorobenzene

Concen: 53.582 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

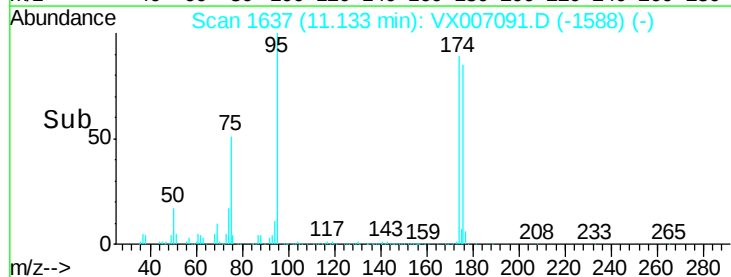
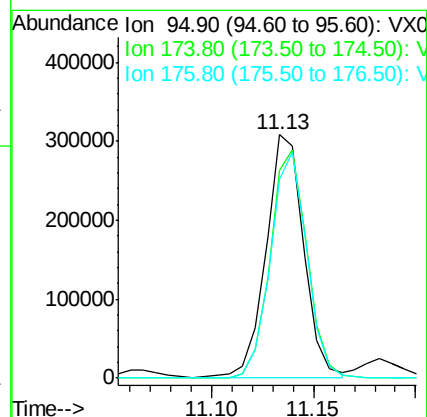
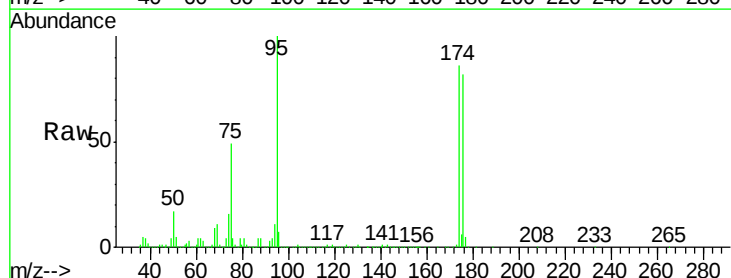
Tgt Ion: 95 Resp: 393874

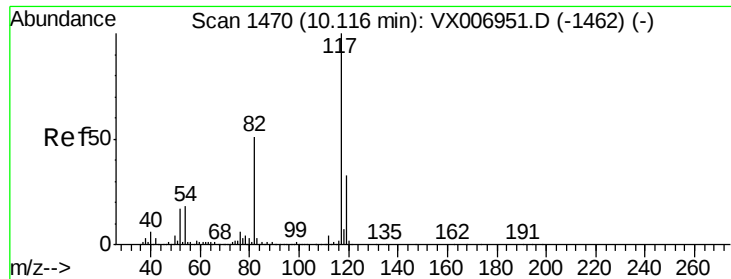
Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

176 90.2 0.0 178.8

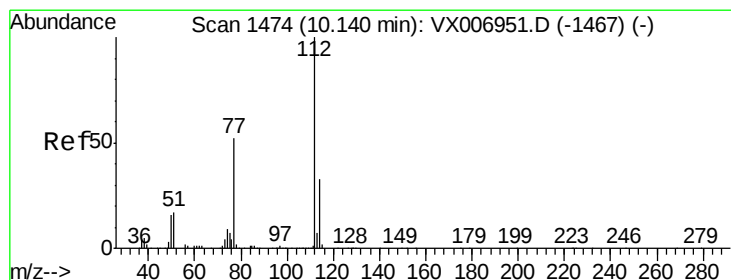
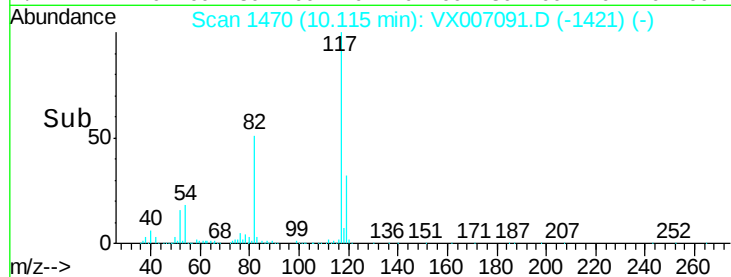
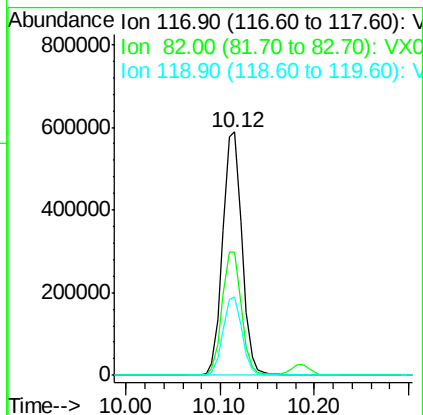
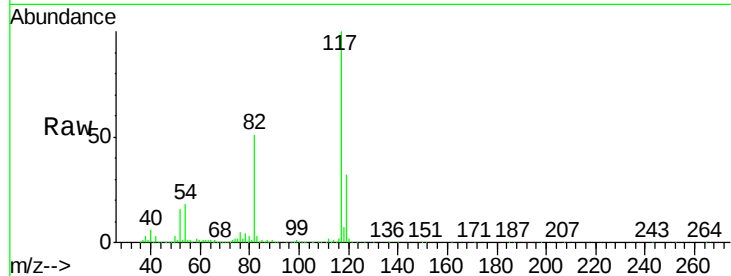




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

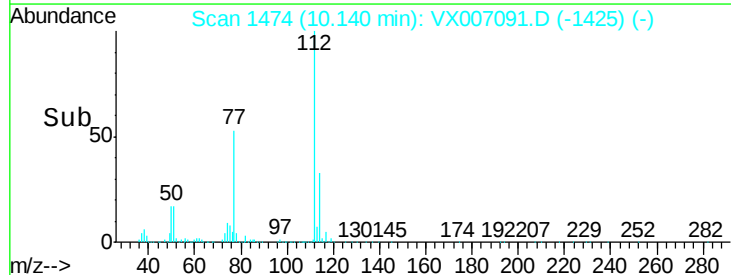
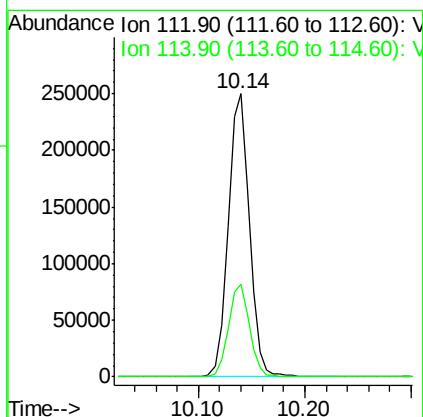
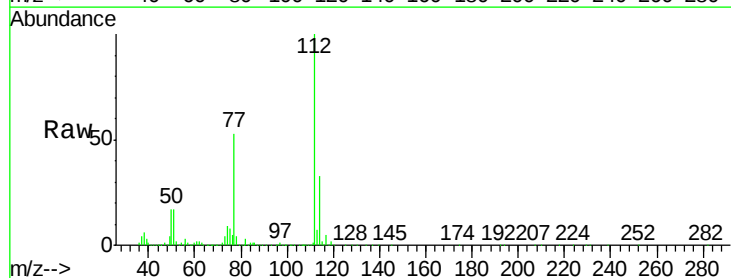
Instrument :
MSVOA_X
ClientSampleId :
DUP-0500-190115

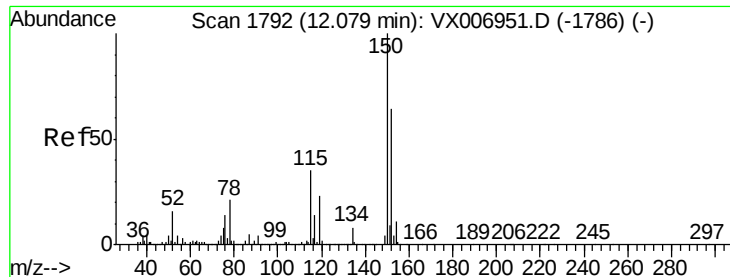
Tot Ion:117 Resp: 840085
Ion Ratio Lower Upper
117 100
82 50.5 41.0 61.6
119 32.3 25.4 38.0



#65
Chlorobenzene
Concen: 19.034 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Tgt Ion:112 Resp: 348748
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

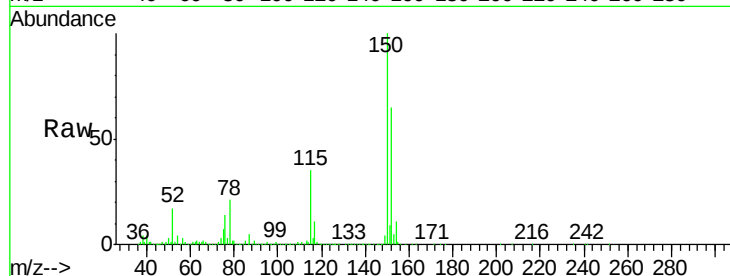
Tot Ion:152 Resp: 435476

Ion Ratio Lower Upper

152 100

115 53.9 39.1 117.2

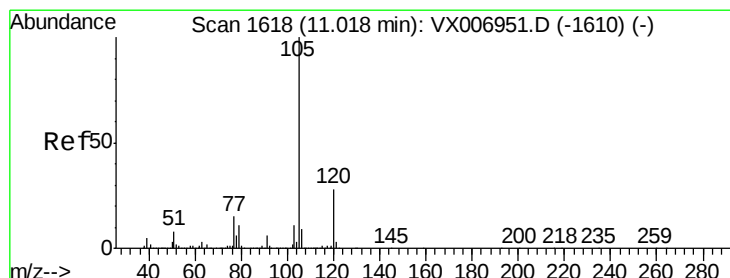
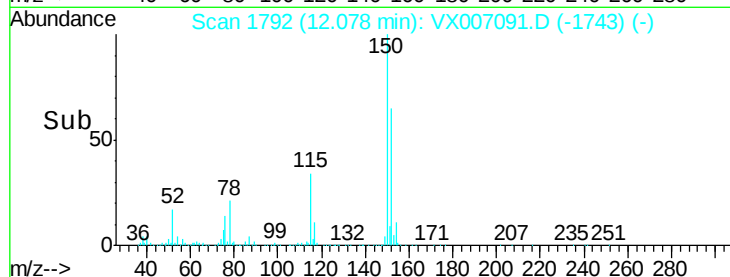
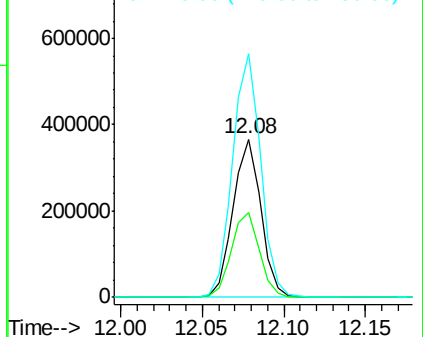
150 155.3 0.0 344.8



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: 3.703 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007091.D

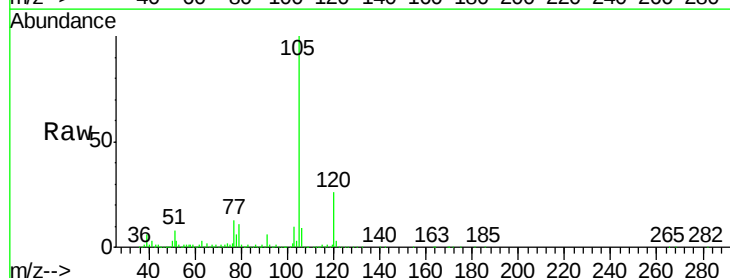
Acq: 17 Jan 2019 16:16

Tgt Ion:105 Resp: 113720

Ion Ratio Lower Upper

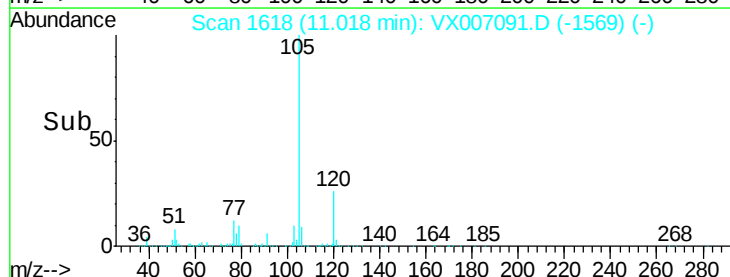
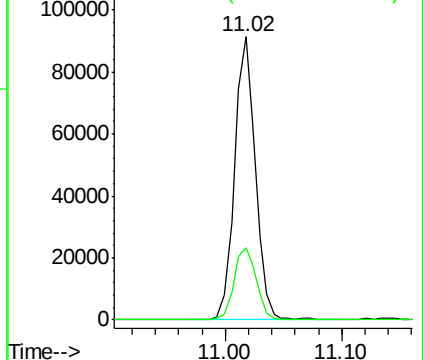
105 100

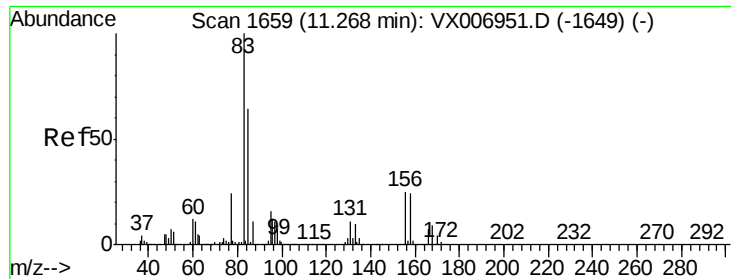
120 27.6 14.1 42.4



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: 0.923 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

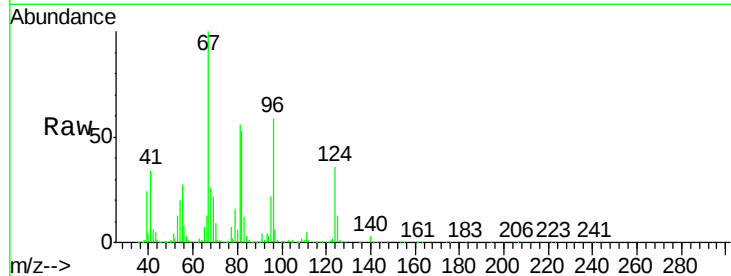
Tot Ion: 83 Resp: 8996

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

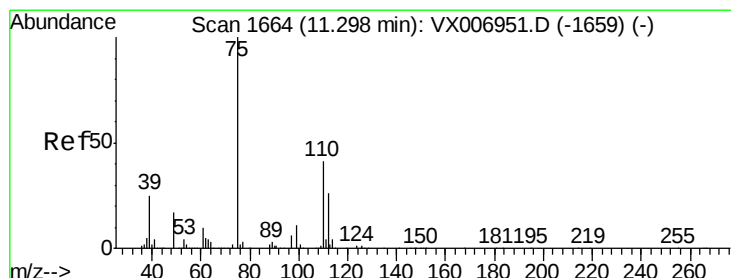
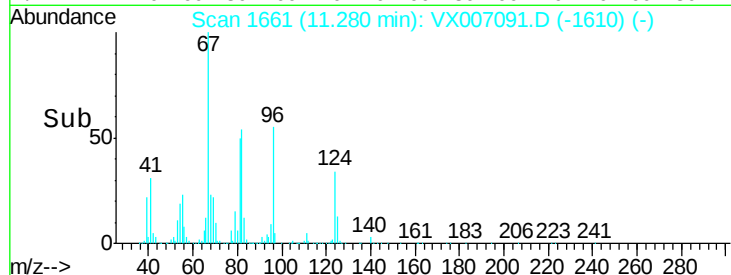
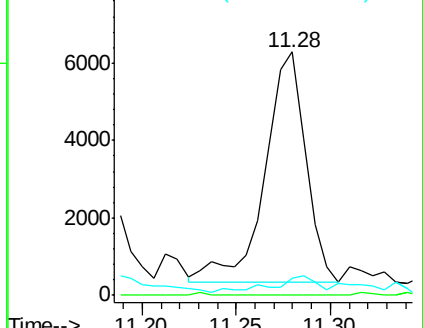
85 6.8 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX007091.D

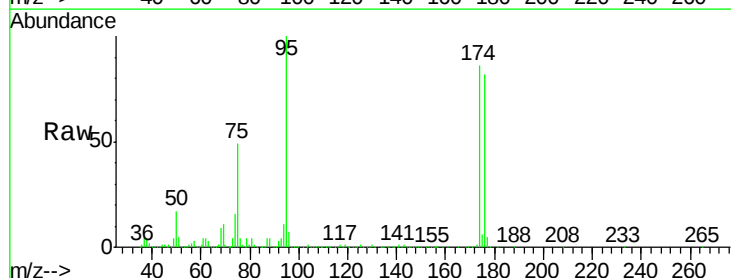
Acq: 17 Jan 2019 16:16

Tgt Ion: 75 Resp: 190534

Ion Ratio Lower Upper

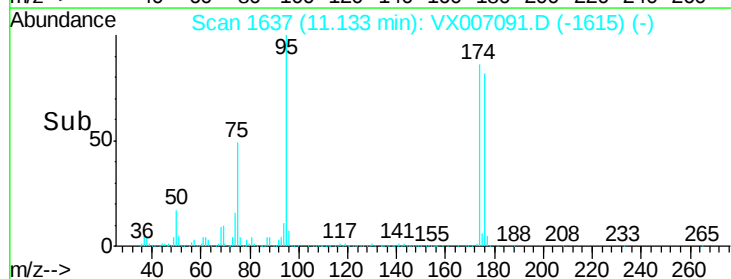
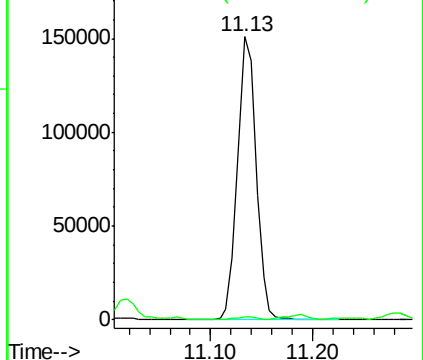
75 100

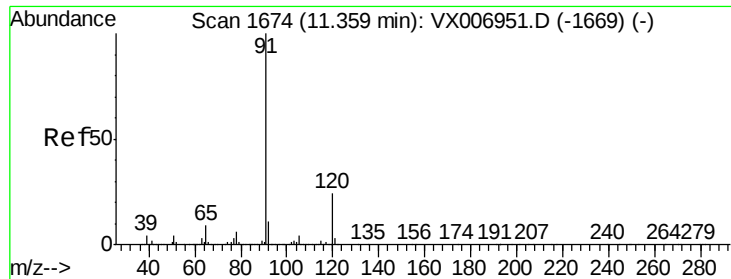
77 0.9 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.235 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

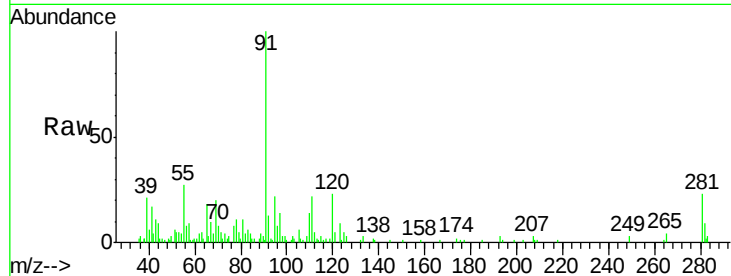
DUP-0500-190115

Tot Ion: 91 Resp: 7915

Ion Ratio Lower Upper

91 100

120 28.1 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX006951.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1669) (-)

11.36

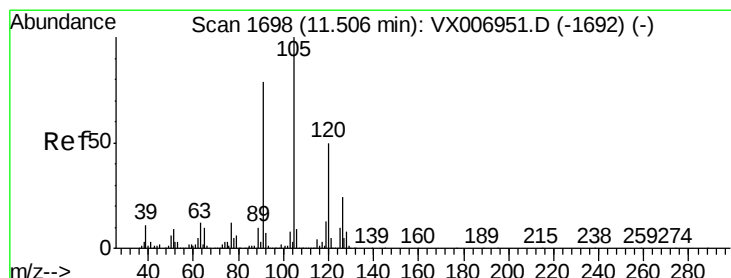
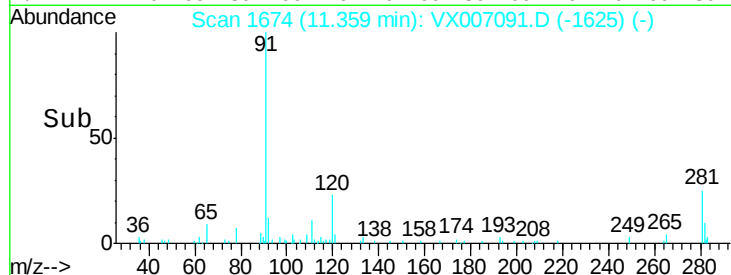
6000

4000

2000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 11.67 min Scan# 1725

Delta R.T. 0.16 min

Lab File: VX007091.D

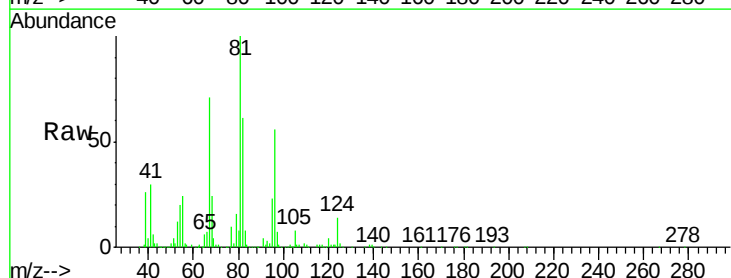
Acq: 17 Jan 2019 16:16

Tgt Ion: 105 Resp: 5283

Ion Ratio Lower Upper

105 100

120 40.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VX006951.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX006951.D (-1692) (-)

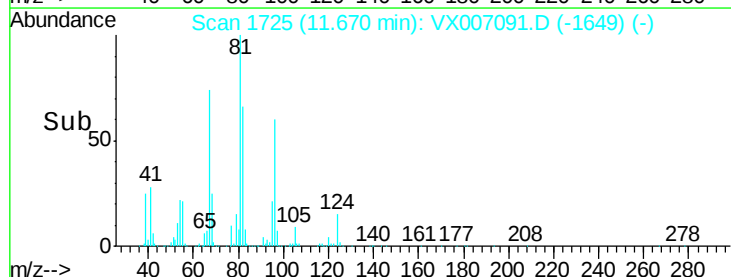
11.67

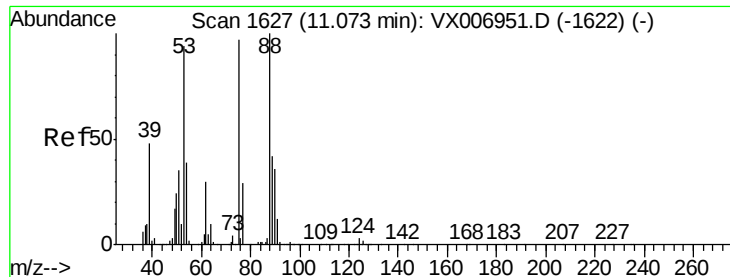
10000

5000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 64.011 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

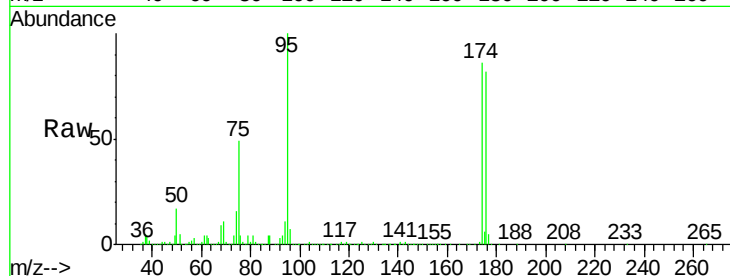
Tot Ion: 75 Resp: 190534

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

89 0.0 38.0 57.0#



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

11.13

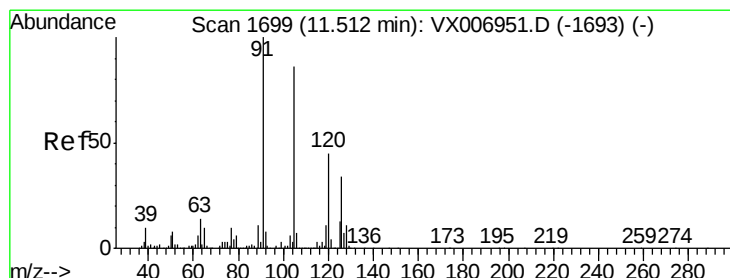
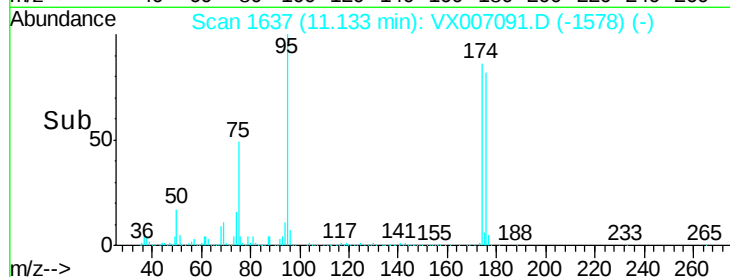
150000

100000

50000

0

Time--> 11.10 11.20



#82

4-Chlorotoluene

Concen: 0.337 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.15 min

Lab File: VX007091.D

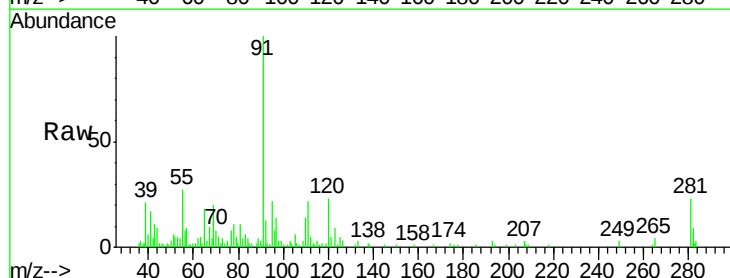
Acq: 17 Jan 2019 16:16

Tgt Ion: 91 Resp: 7915

Ion Ratio Lower Upper

91 100

126 2.8 16.3 48.9#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.36

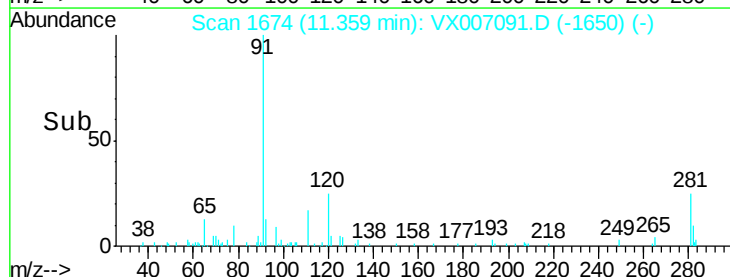
6000

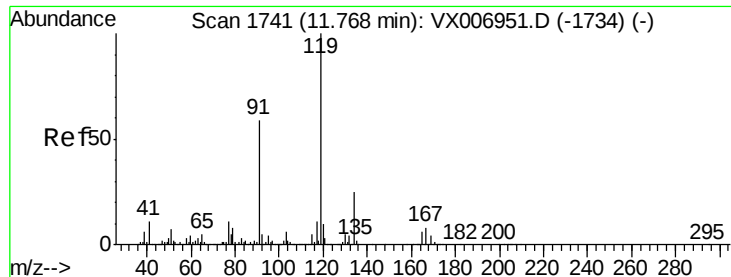
4000

2000

0

Time--> 11.30 11.35 11.40





#83

tert-Butylbenzene

Concen: 5.556 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

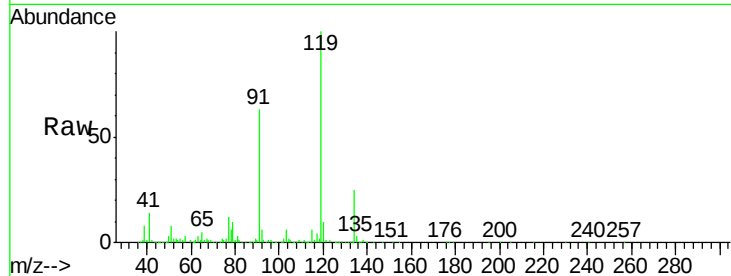
Tot Ion:119 Resp: 142231

Ion Ratio Lower Upper

119 100

91 61.9 27.7 83.1

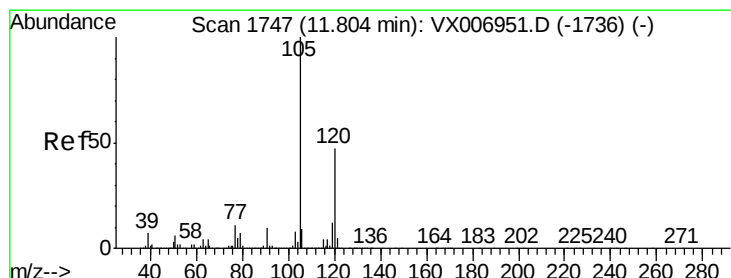
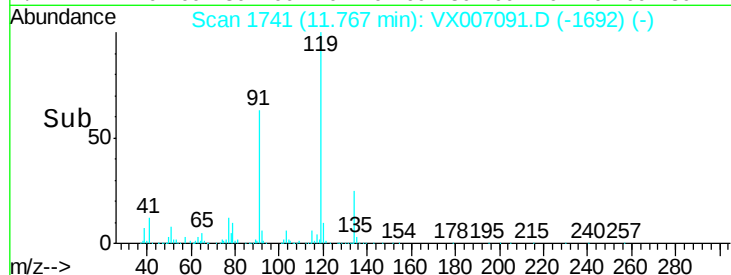
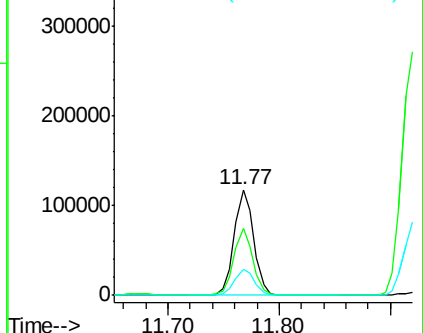
134 25.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 11.348 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.14 min

Lab File: VX007091.D

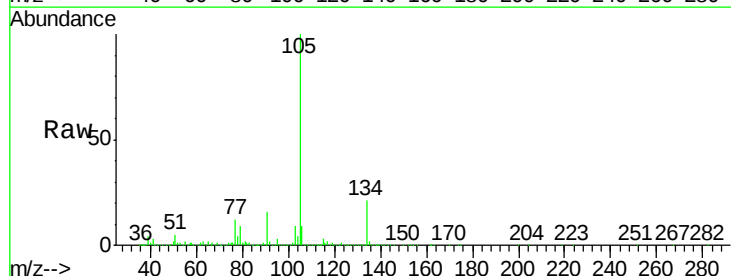
Acq: 17 Jan 2019 16:16

Tgt Ion:105 Resp: 292805

Ion Ratio Lower Upper

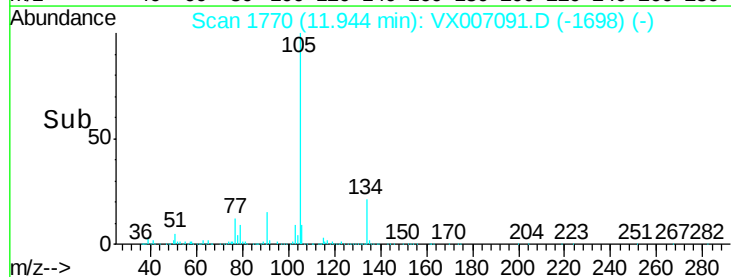
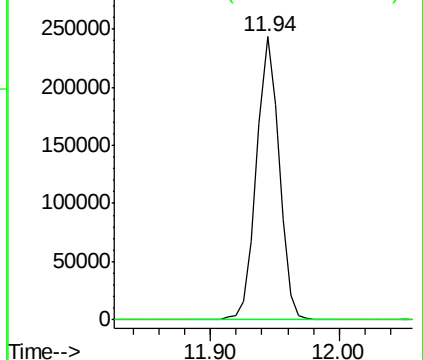
105 100

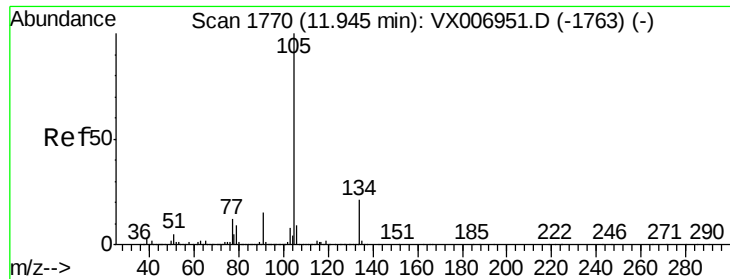
120 0.2 23.2 69.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 9.579 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

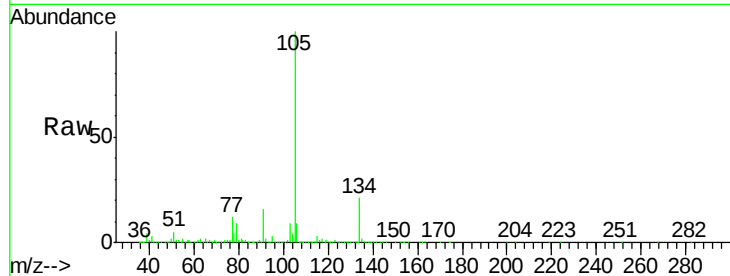
DUP-0500-190115

Tot Ion:105 Resp: 292852

Ion Ratio Lower Upper

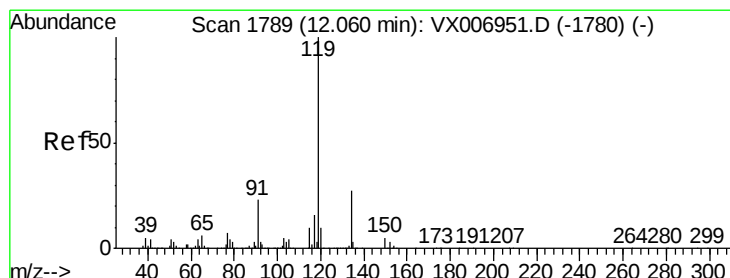
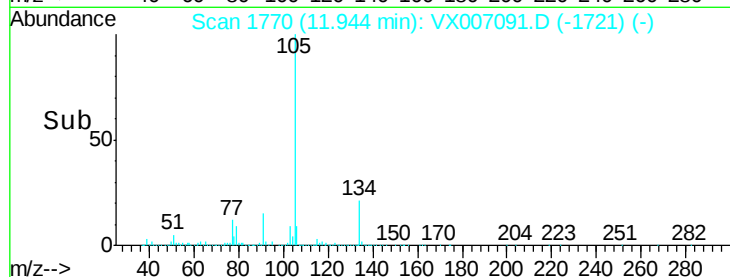
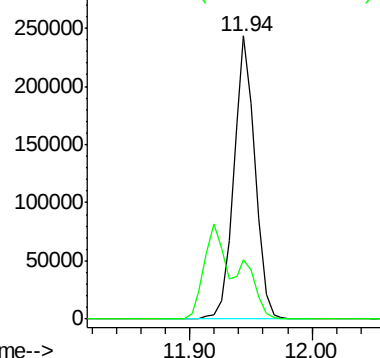
105 100

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: 19.220 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

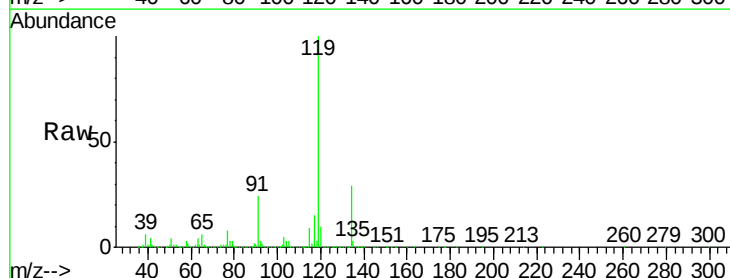
Tgt Ion:119 Resp: 525618

Ion Ratio Lower Upper

119 100

134 29.2 14.0 41.9

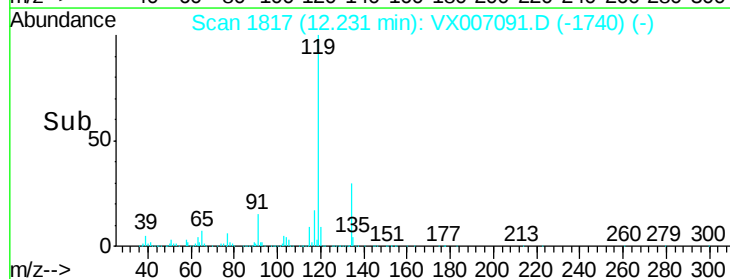
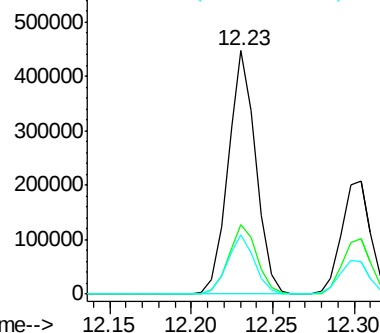
91 23.9 11.3 33.9

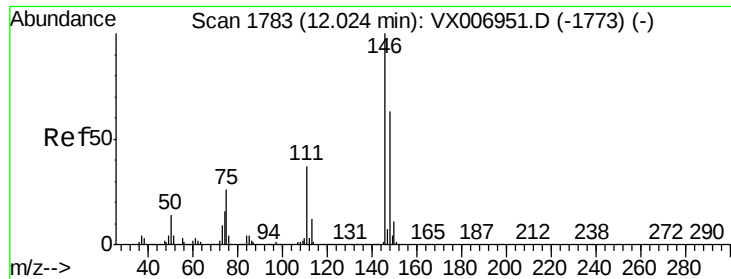


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

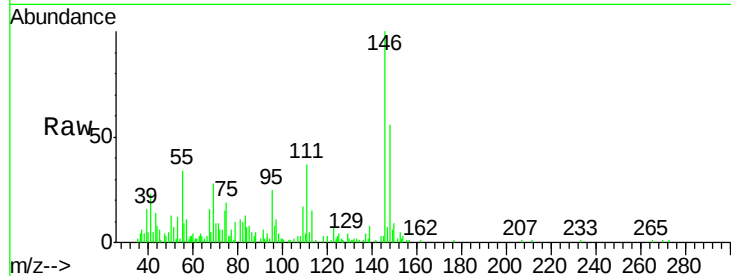




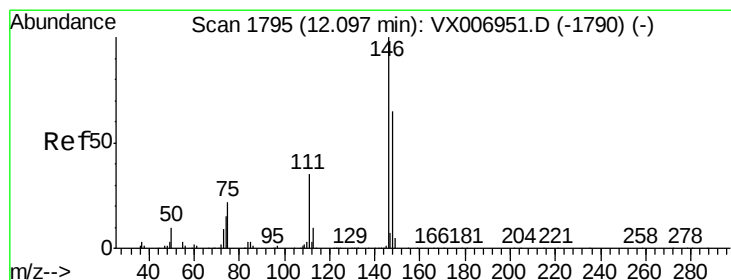
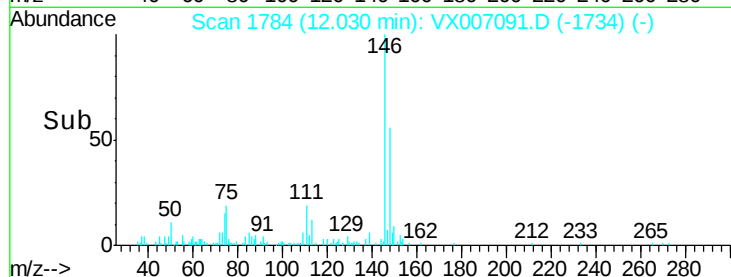
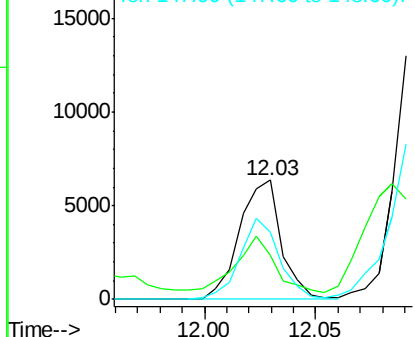
#87
 1,3-Dichlorobenzene
 Concen: 0.543 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

Tot Ion:146 Resp: 8310
 Ion Ratio Lower Upper
 146 100
 111 45.3 18.6 55.8
 148 64.8 31.8 95.3

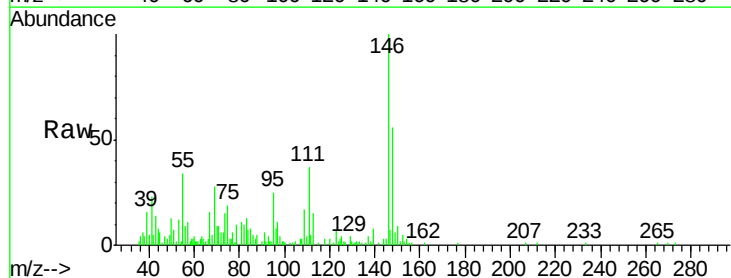


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

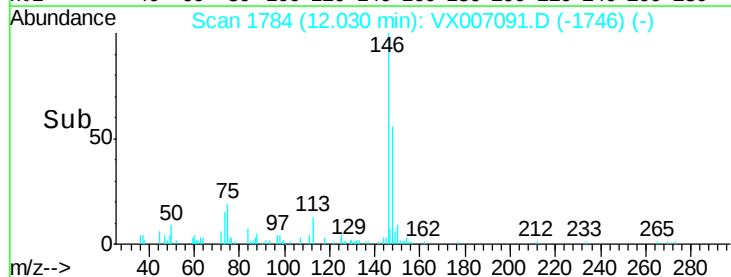
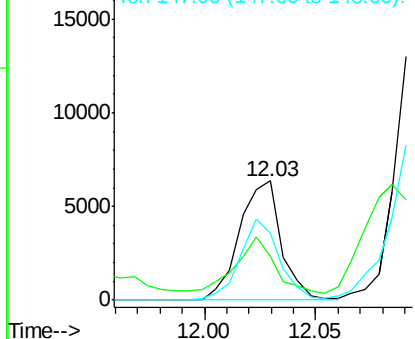


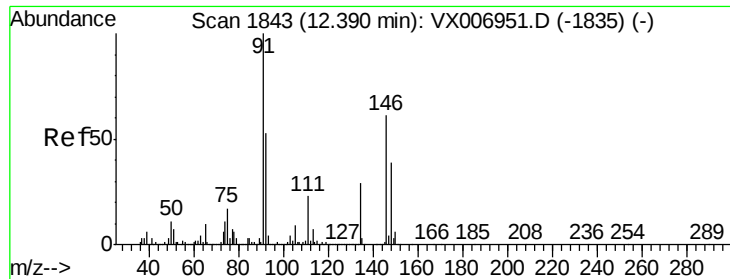
#88
 1,4-Dichlorobenzene
 Concen: 0.717 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.07 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Tgt Ion:146 Resp: 8310
 Ion Ratio Lower Upper
 146 100
 111 49.0 18.1 54.1
 148 64.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.714 ug/l

RT: 12.36 min Scan# 1839

Delta R.T. -0.02 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

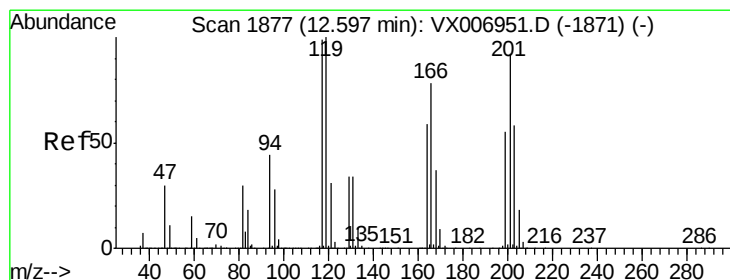
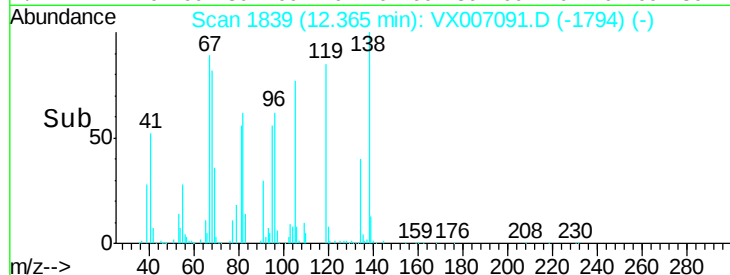
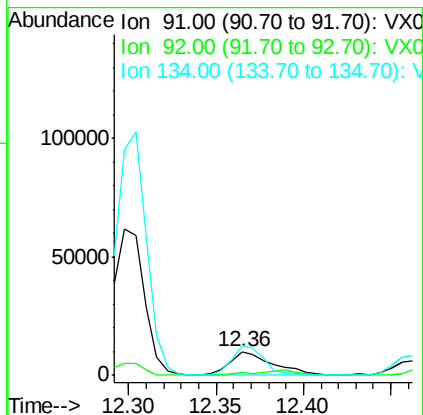
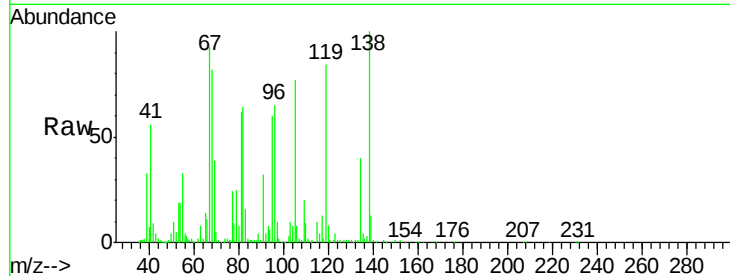
Tot Ion: 91 Resp: 16656

Ion Ratio Lower Upper

91 100

92 0.0 26.8 80.4#

134 99.7 14.4 43.2#



#90

Hexachloroethane

Concen: 34.933 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX007091.D

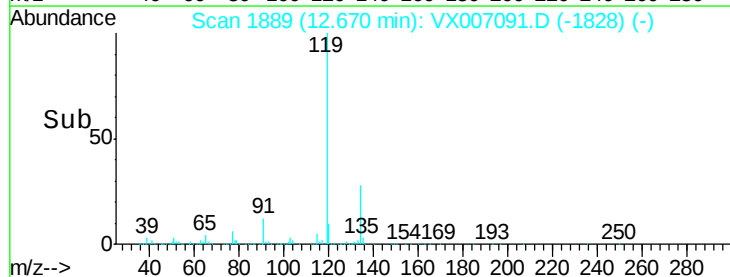
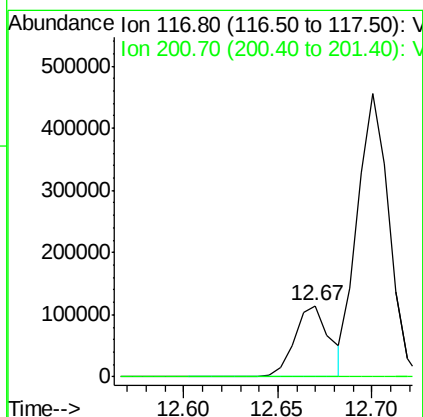
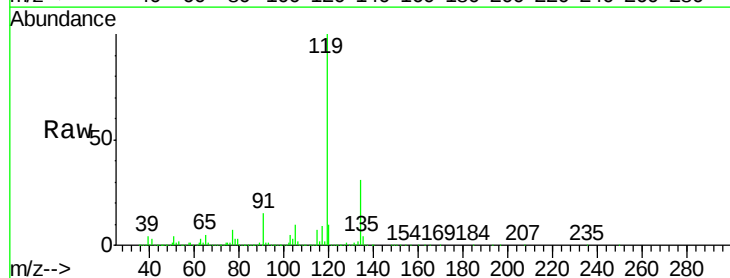
Acq: 17 Jan 2019 16:16

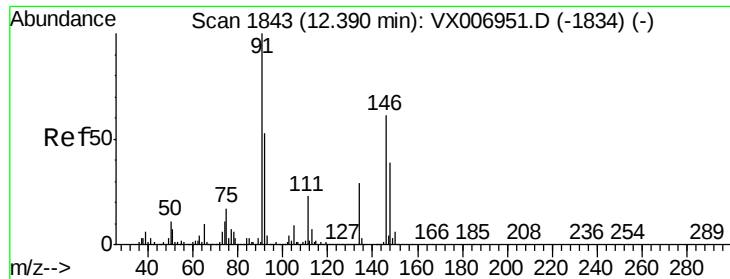
Tgt Ion: 117 Resp: 148446

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#





#91

1,2-Dichlorobenzene

Concen: 0.326 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

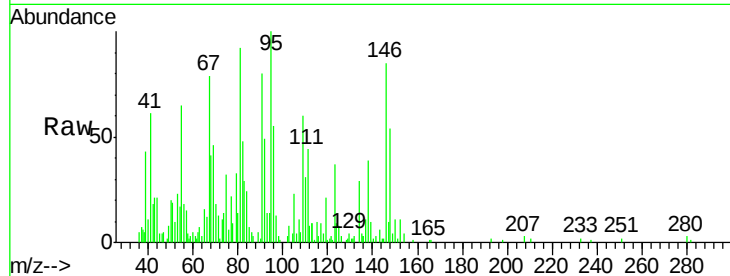
Tot Ion:146 Resp: 4926

Ion Ratio Lower Upper

146 100

111 51.3 19.4 58.2

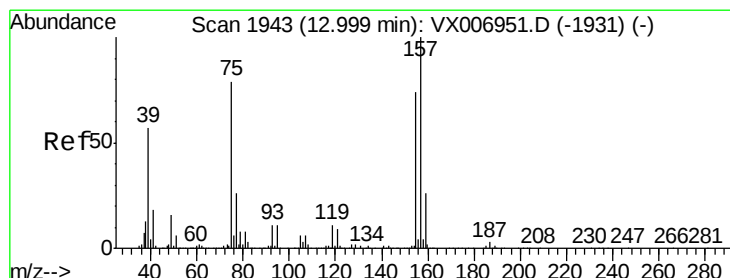
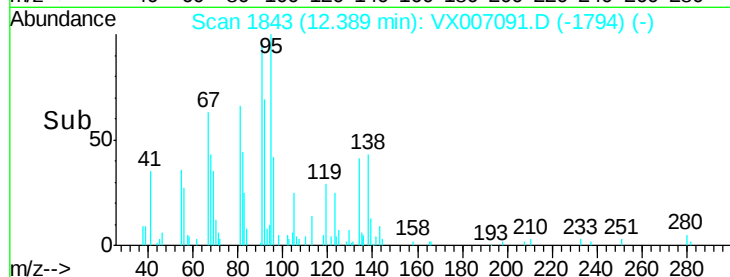
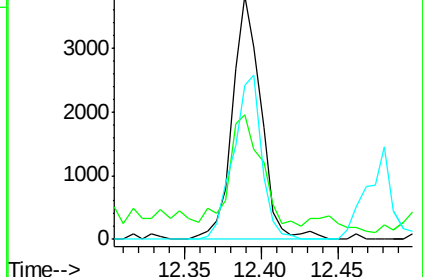
148 67.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.079 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

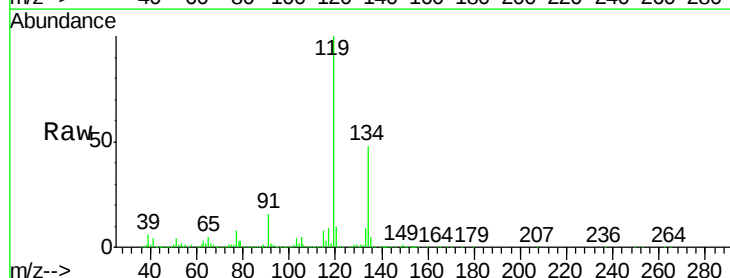
Tgt Ion: 75 Resp: 5936

Ion Ratio Lower Upper

75 100

155 4.7 50.6 151.8#

157 0.0 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

