

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006816.D
 Acq On : 26 Dec 2018 14:16
 Operator : JC/MD
 Sample : J6549-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Quant Time: Dec 27 03:03:22 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	673553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	993688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	919845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	470475	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	343230	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	5.50	113	298869	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	8.71	98	1174038	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	430772	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2435	0.351	ug/l	92
5) Bromomethane	1.64	94	955	Below Cal	#	69
8) Diethyl Ether	2.18	74	1432	0.334	ug/l	70
11) Tert butyl alcohol	3.06	59	9679	5.974	ug/l #	94
13) Acrolein	2.28	56	415	0.380	ug/l #	1
16) Acetone	2.45	43	27551	8.261	ug/l	94
17) Carbon Disulfide	2.57	76	4012	0.252	ug/l	96
20) Methylene Chloride	2.85	84	6495	0.942	ug/l #	90
21) trans-1,2-Dichloroethene	3.18	96	3084	0.463	ug/l #	56
25) 2-Butanone	4.70	43	10894	2.322	ug/l #	87
27) cis-1,2-Dichloroethene	4.60	96	4944	0.672	ug/l	90
28) Bromochloromethane	5.02	49	135	Below Cal	#	4
36) 1,1-Dichloropropene	5.67	75	43132	5.241	ug/l #	48
37) Ethyl Acetate	4.70	43	10894	1.272	ug/l #	66
38) Carbon Tetrachloride	5.67	117	60953	7.621	ug/l #	14
39) Methylcyclohexane	7.46	83	2842	0.262	ug/l	92
40) Benzene	6.14	78	107328	4.290	ug/l	100
49) 1,4-Dioxane	7.74	88	58	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	1748	0.211	ug/l	89
52) Toluene	8.79	92	5027	0.311	ug/l	90
60) Dibromochloromethane	9.76	129	65	2.333	ug/l	70
67) Ethyl Benzene	10.25	91	713794	22.447	ug/l	98
68) m/p-Xylenes	10.36	106	15924	1.269	ug/l	97
69) o-Xylene	10.70	106	10621	0.857	ug/l	88
73) Isopropylbenzene	11.02	105	89358	2.776	ug/l	97
74) N-amyl acetate	10.95	43	10388	0.902	ug/l #	41
76) 1,2,3-Trichloropropane	11.13	75	203846	23.314	ug/l #	40
78) n-propylbenzene	11.36	91	150048	4.233	ug/l	99
79) 2-Chlorotoluene	11.36	91	150048	6.986	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	13733	0.518	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.13	75	203846	69.178	ug/l #	10
82) 4-Chlorotoluene	11.66	91	7301	0.296	ug/l #	44
83) tert-Butylbenzene	11.77	119	36503	1.376	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	22329	0.801	ug/l	97

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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

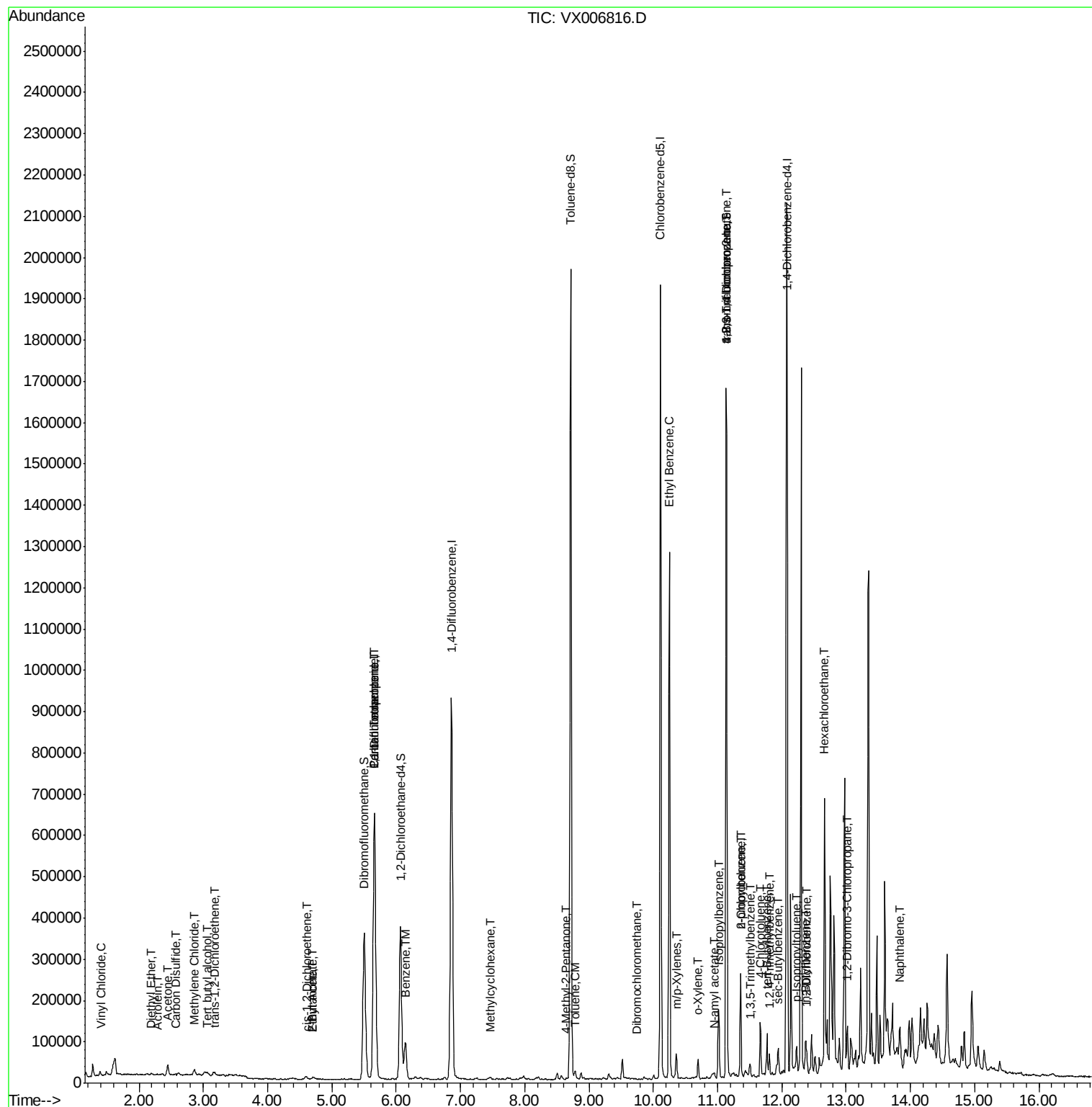
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	25253	0.776	ug/l	98
86) p-Isopropyltoluene	12.23	119	26714	0.934	ug/l	99
89) n-Butylbenzene	12.38	91	17782	0.731	ug/l #	68
90) Hexachloroethane	12.66	117	30166	9.590	ug/l #	7
91) 1,2-Dichlorobenzene	12.39	146	5133	0.327	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	13.02	75	724	0.366	ug/l #	3
95) Naphthalene	13.83	128	33287	0.964	ug/l #	90

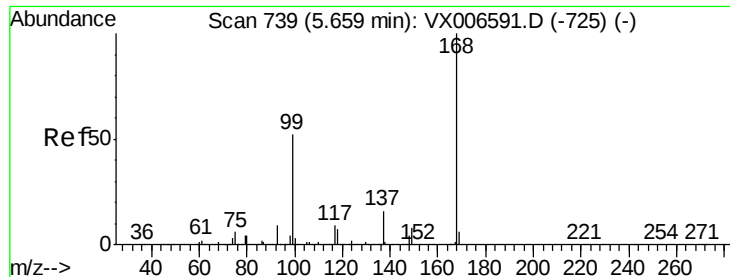
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

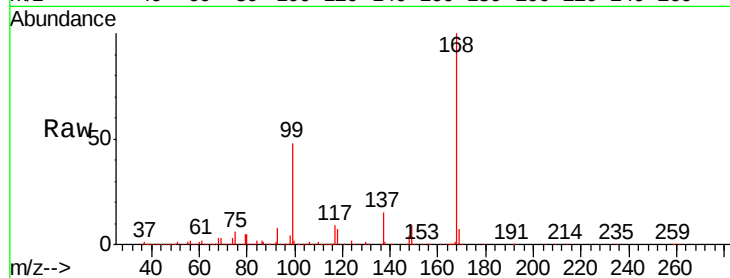
TW-1

Tgt Ion:168 Resp: 673553

Ion Ratio Lower Upper

168 100

99 47.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

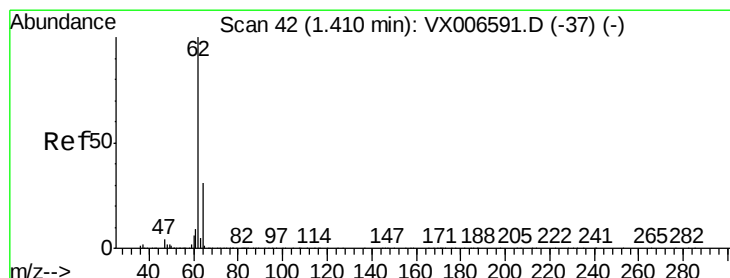
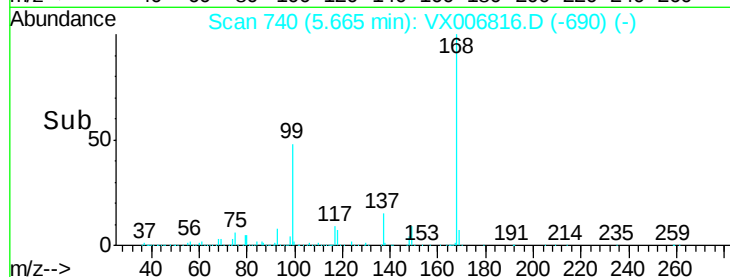
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#4

Vinyl Chloride

Concen: 0.351 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006816.D

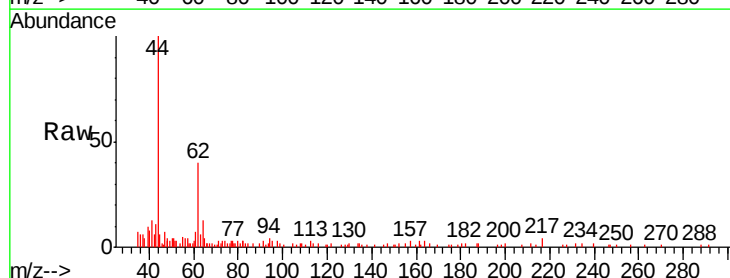
Acq: 26 Dec 2018 14:16

Tgt Ion: 62 Resp: 2435

Ion Ratio Lower Upper

62 100

64 26.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

2000

1500

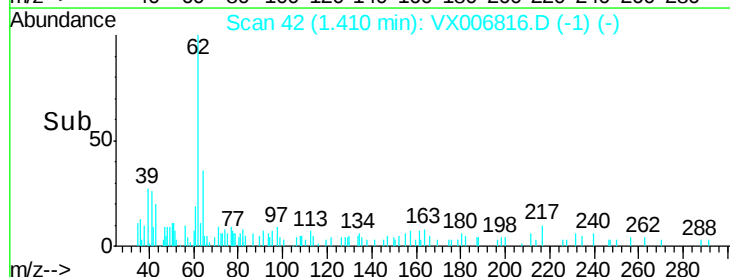
1000

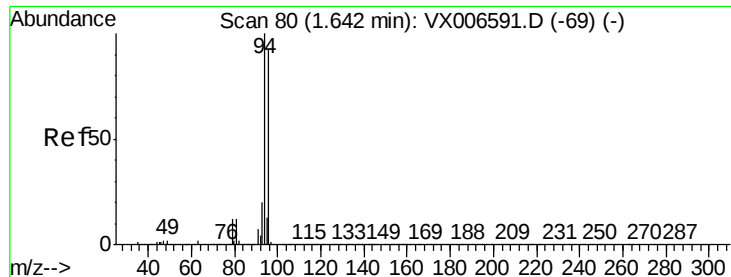
500

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

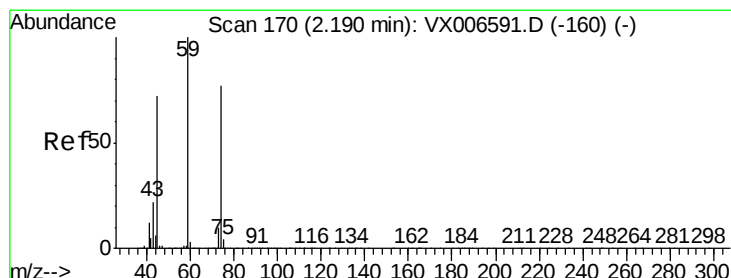
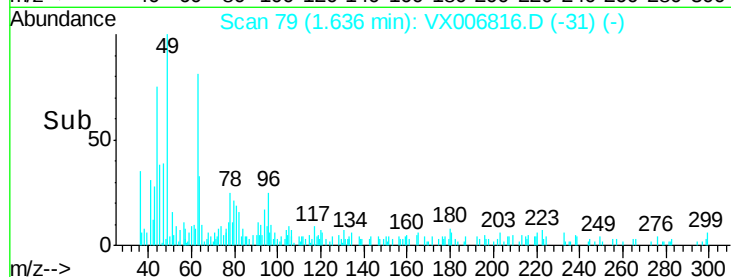
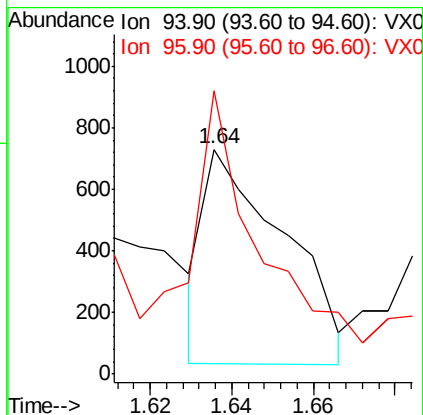
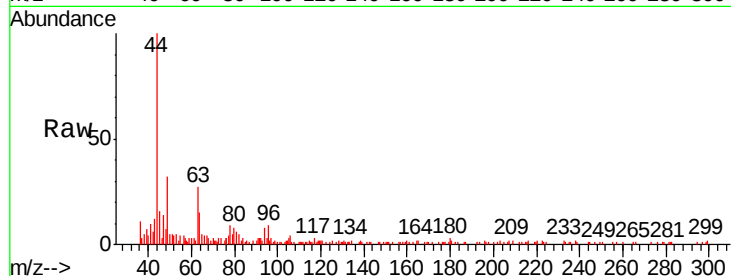
TW-1

Tgt Ion: 94 Resp: 955

Ion Ratio Lower Upper

94 100

96 121.2 73.4 110.2#



#8

Diethyl Ether

Concen: 0.334 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX006816.D

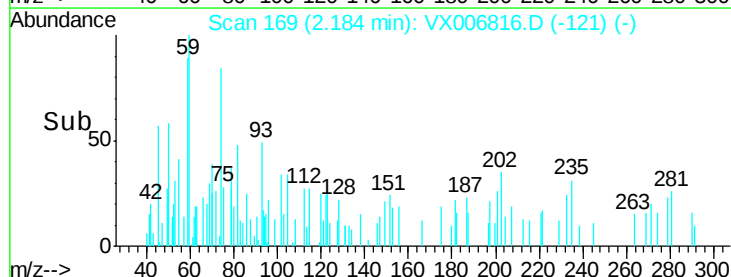
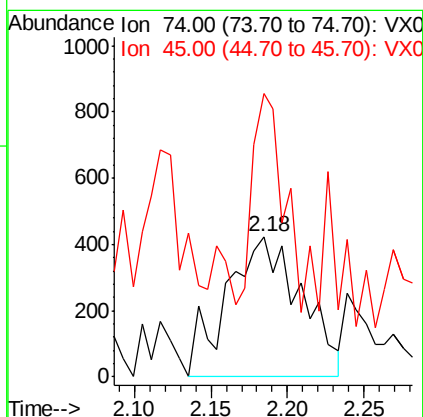
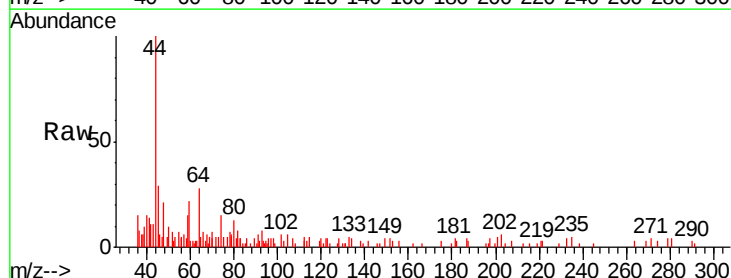
Acq: 26 Dec 2018 14:16

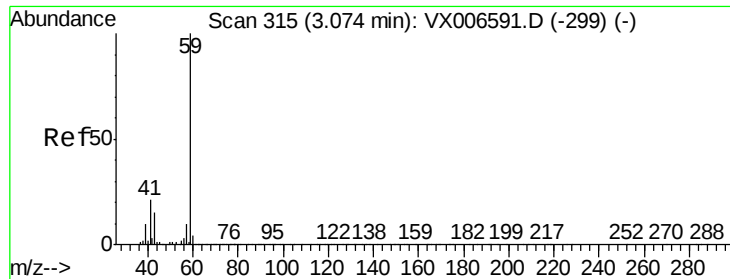
Tgt Ion: 74 Resp: 1432

Ion Ratio Lower Upper

74 100

45 64.0 46.3 138.9





#11

Tert butyl alcohol

Concen: 5.974 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

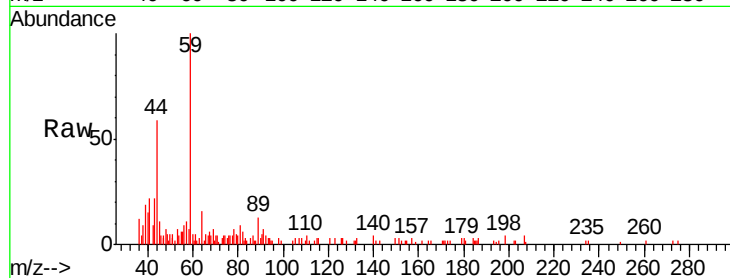
TW-1

Tgt Ion: 59 Resp: 9679

Ion Ratio Lower Upper

59 100

57 8.3 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

4000

3000

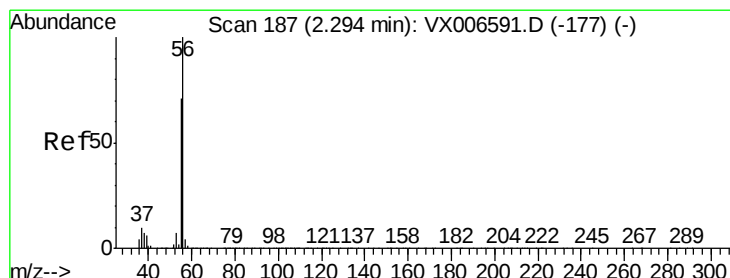
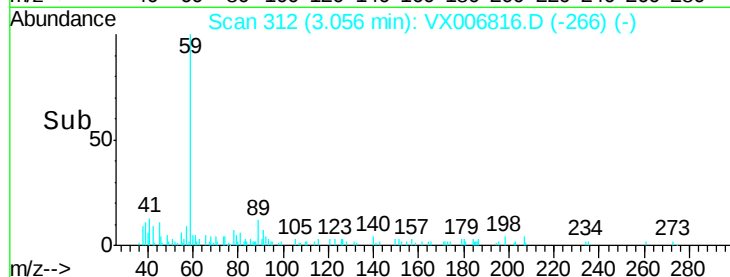
2000

1000

0

Time-->

3.00 3.05 3.10 3.15



#13

Acrolein

Concen: 0.380 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX006816.D

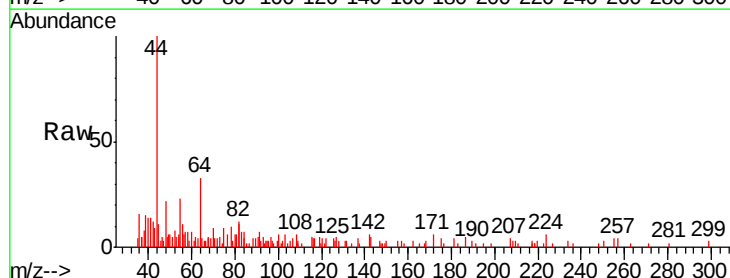
Acq: 26 Dec 2018 14:16

Tgt Ion: 56 Resp: 415

Ion Ratio Lower Upper

56 100

55 247.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

1000

800

600

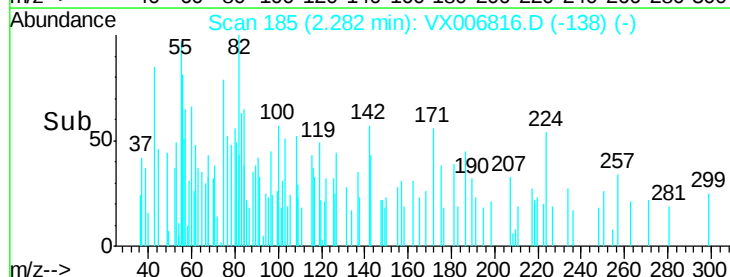
400

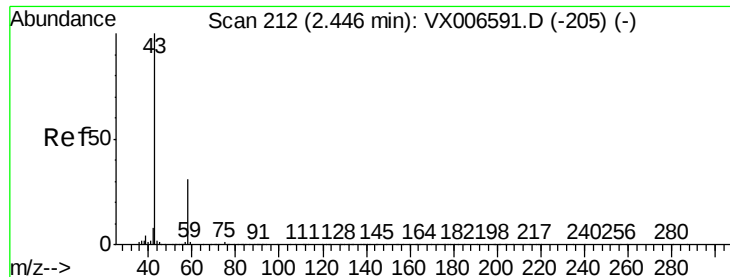
200

0

Time-->

2.26 2.28





#16

Acetone

Concen: 8.261 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

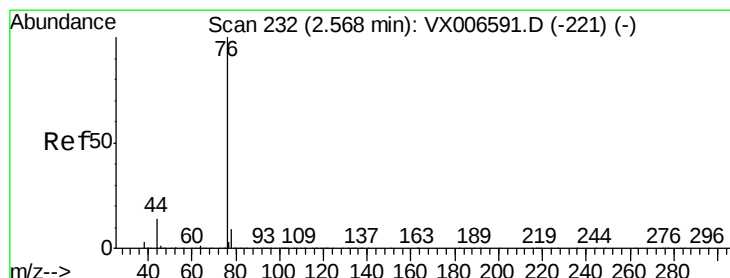
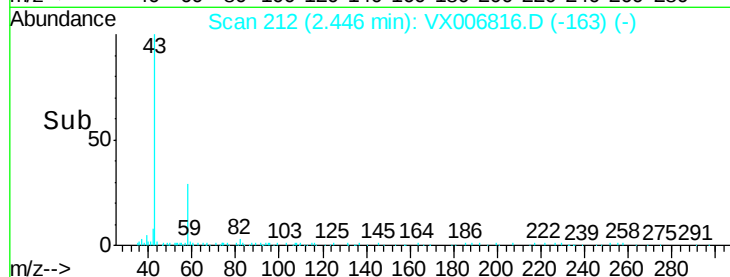
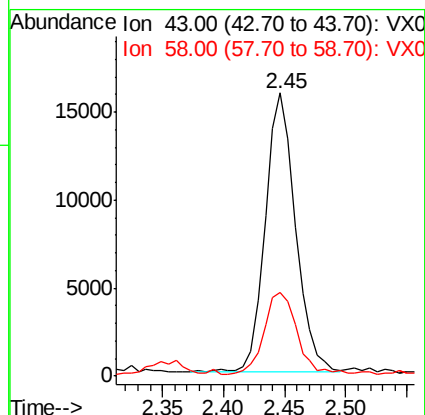
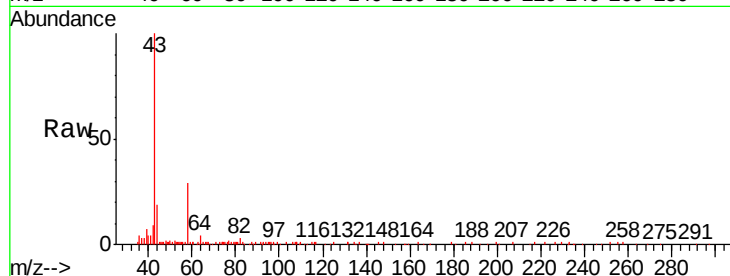
Instrument :
MSVOA_X
ClientSampled :
TW-1

Tgt Ion: 43 Resp: 27551

Ion Ratio Lower Upper

43 100

58 28.0 25.0 37.6



#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006816.D

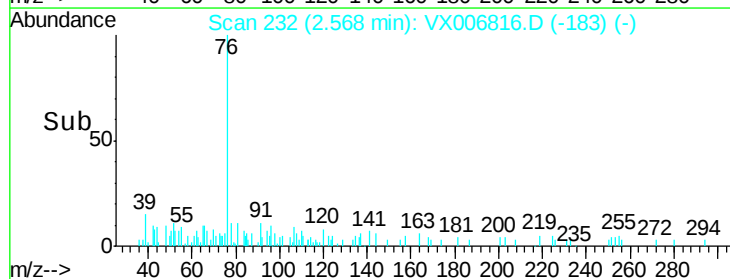
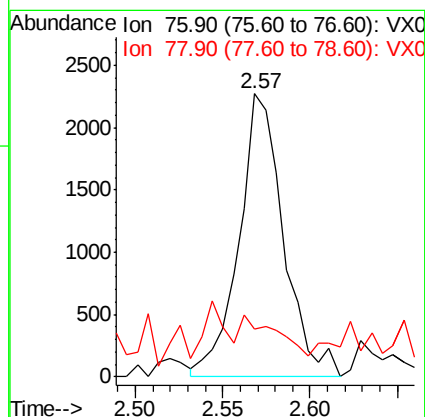
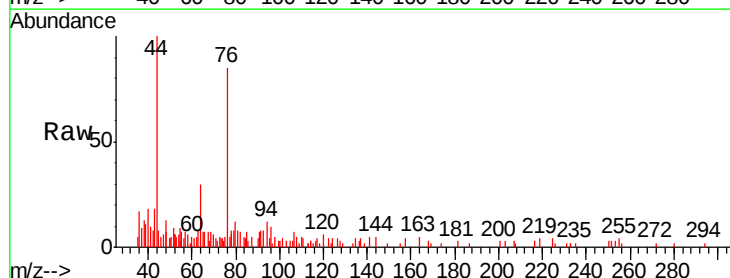
Acq: 26 Dec 2018 14:16

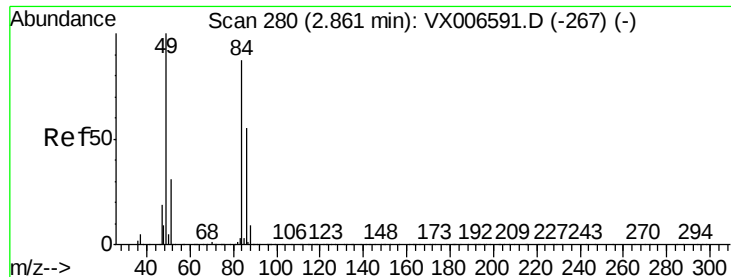
Tgt Ion: 76 Resp: 4012

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.6

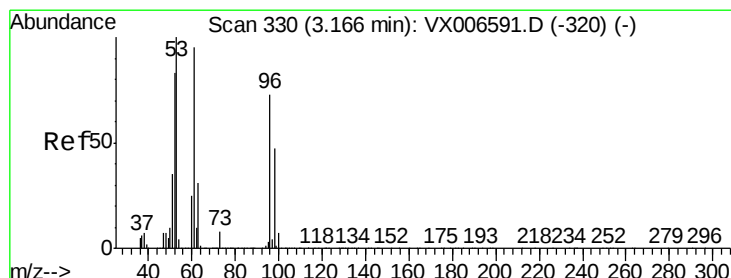
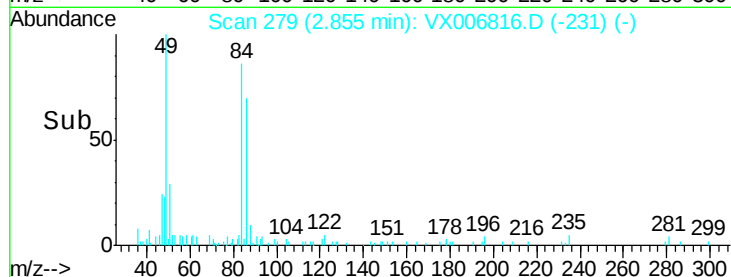
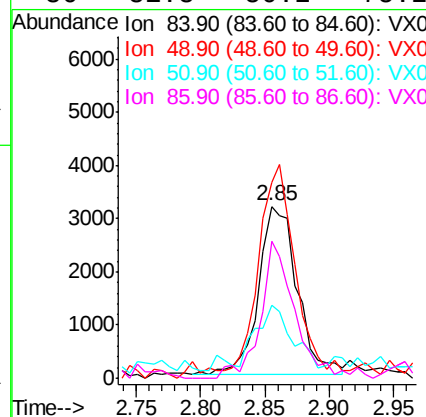
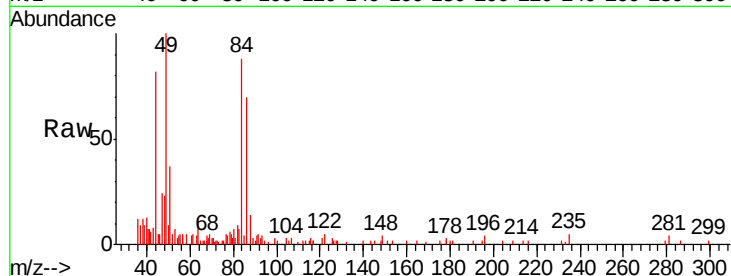




#20
Methylene Chloride
Concen: 0.942 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

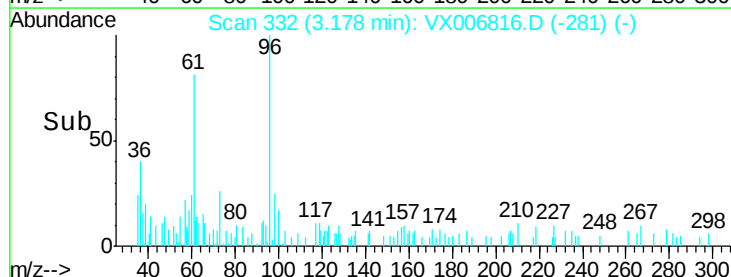
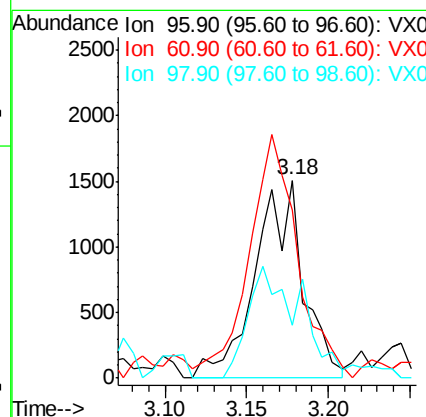
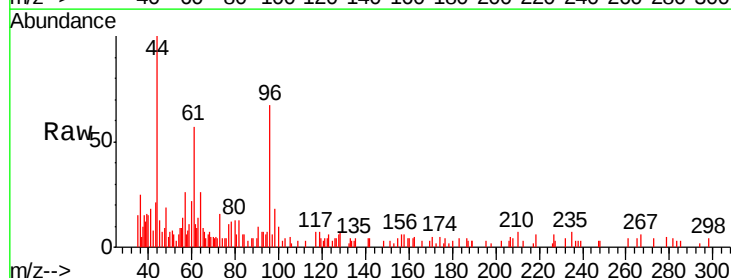
Instrument :
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TW-1

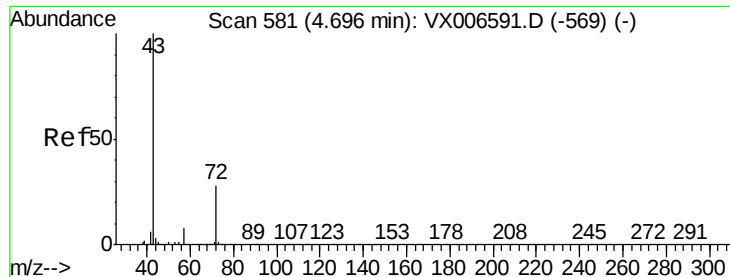
Tgt Ion:	84	Resp:	6495
Ion	Ratio	Lower	Upper
84	100		
49	112.3	91.8	137.6
51	31.5	28.5	42.7
86	81.8	50.2	75.2#



#21
trans-1,2-Dichloroethene
Concen: 0.463 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.01 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

Tgt Ion:	96	Resp:	3084
Ion	Ratio	Lower	Upper
96	100		
61	80.3	103.7	155.5#
98	26.9	51.0	76.6#





#25

2-Butanone

Concen: 2.322 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

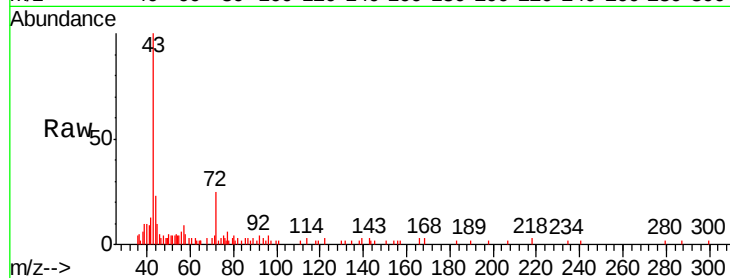
TW-1

Tgt Ion: 43 Resp: 10894

Ion Ratio Lower Upper

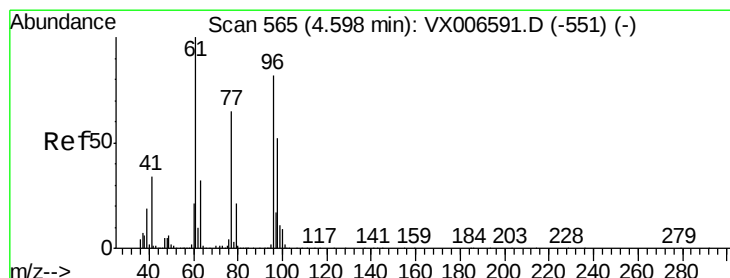
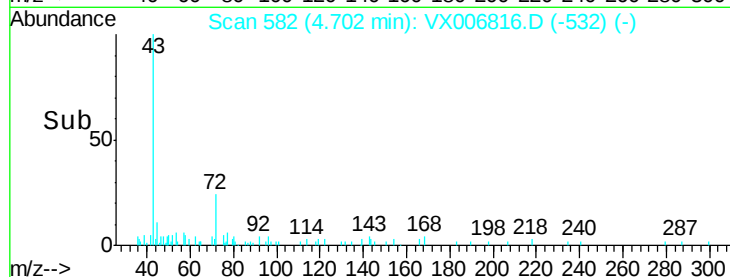
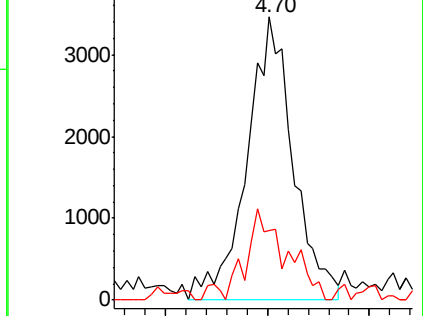
43 100

72 21.4 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.672 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

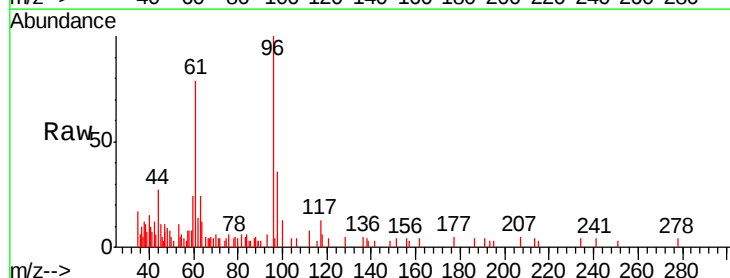
Tgt Ion: 96 Resp: 4944

Ion Ratio Lower Upper

96 100

61 114.5 0.0 258.6

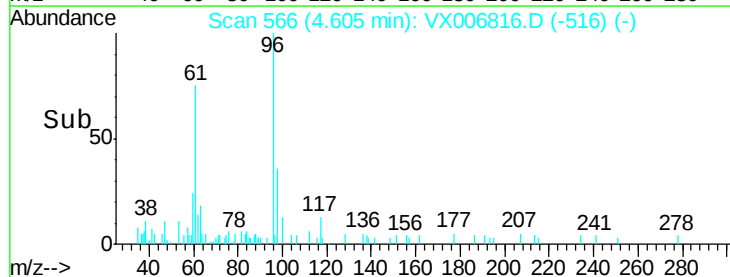
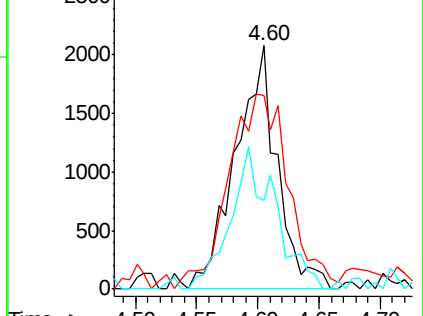
98 62.1 0.0 132.0

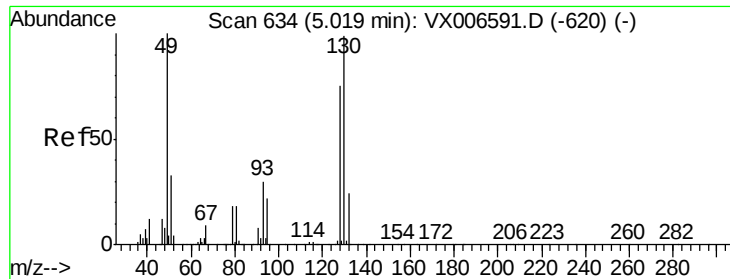


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

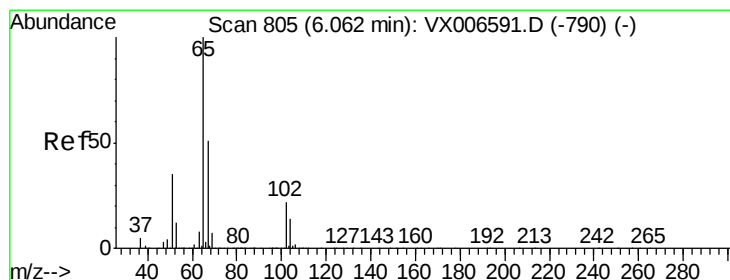
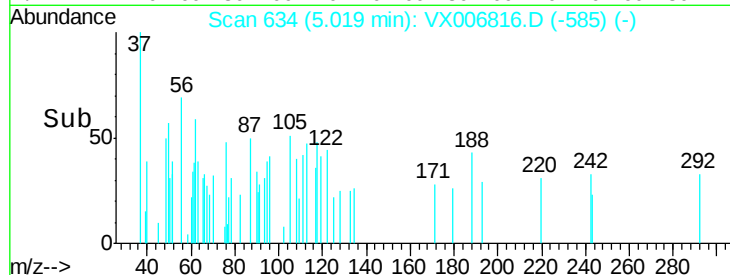
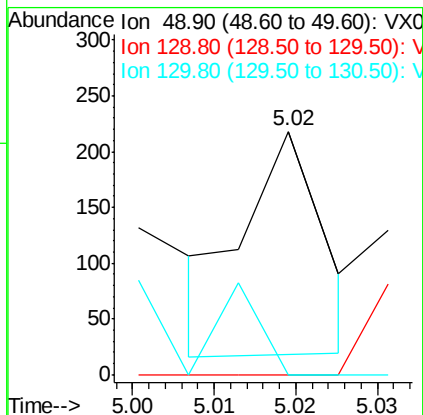
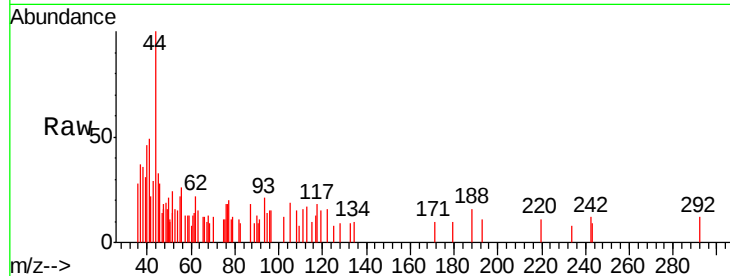
Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tgt Ion: 49 Resp: 135
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.4
130 0.0 77.7 116.5#



#33

1,2-Dichloroethane-d4

Concen: 47.282 ug/l

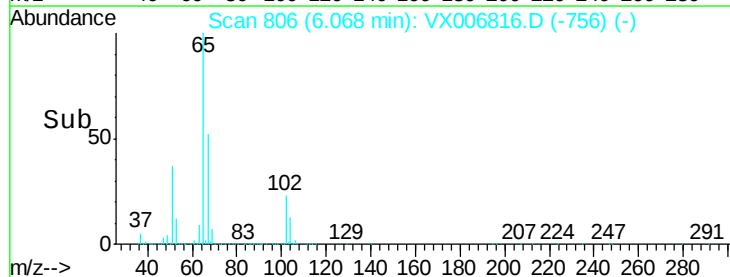
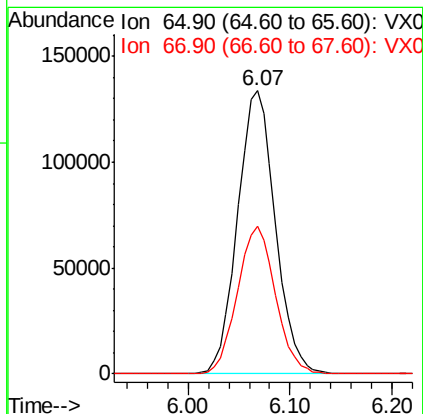
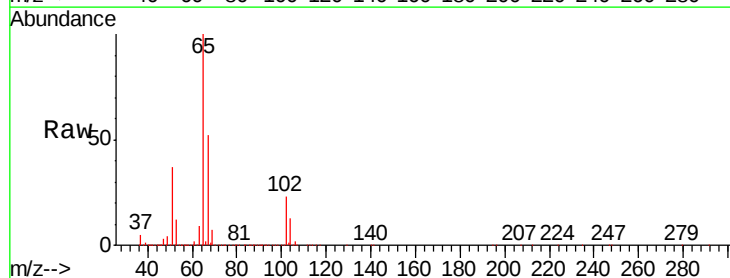
RT: 6.07 min Scan# 806

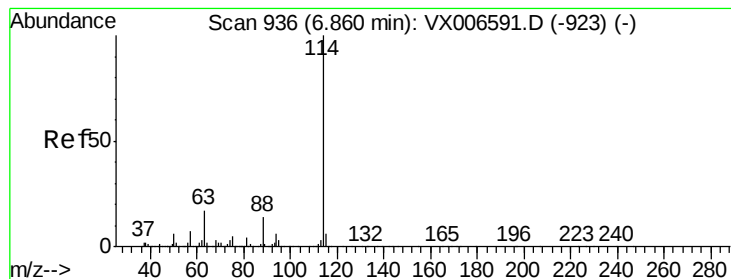
Delta R.T. 0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Tgt Ion: 65 Resp: 343230
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

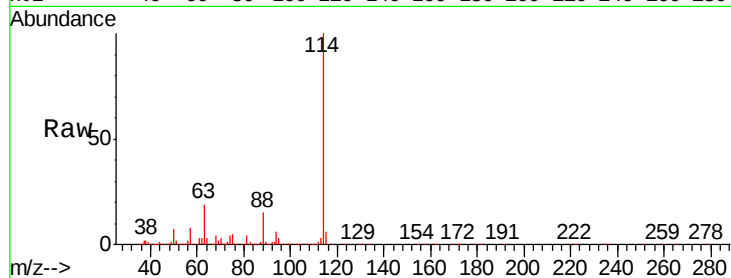
Tgt Ion:114 Resp: 993688

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.8

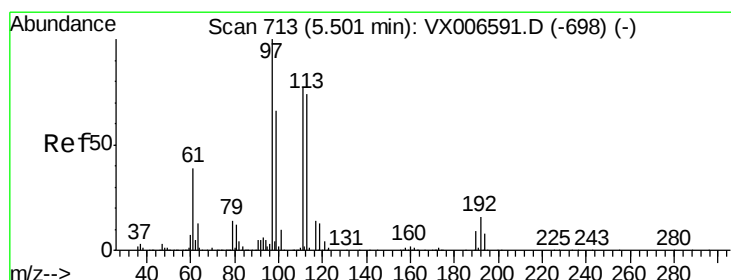
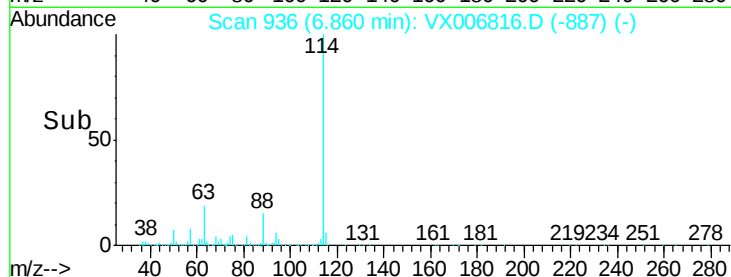
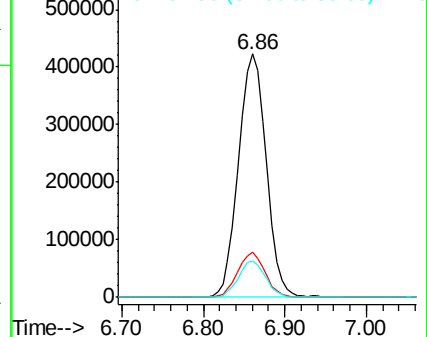
88 14.7 0.0 28.8



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: 47.561 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

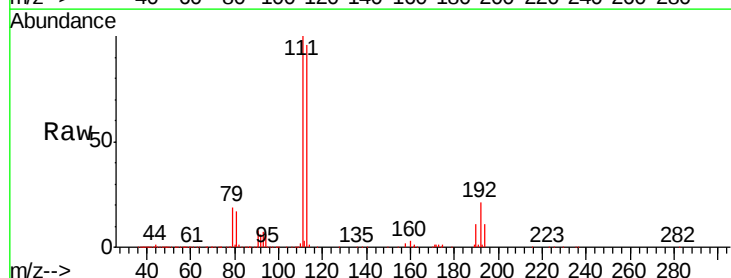
Tgt Ion:113 Resp: 298869

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

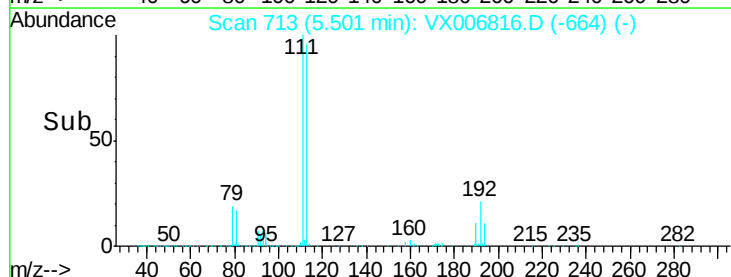
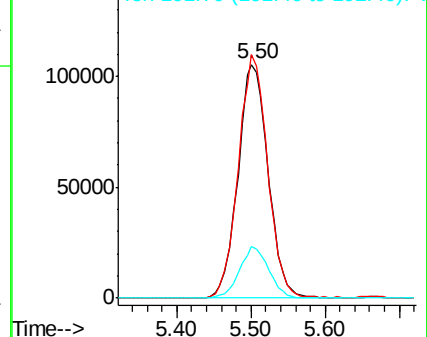
192 21.3 16.7 25.1

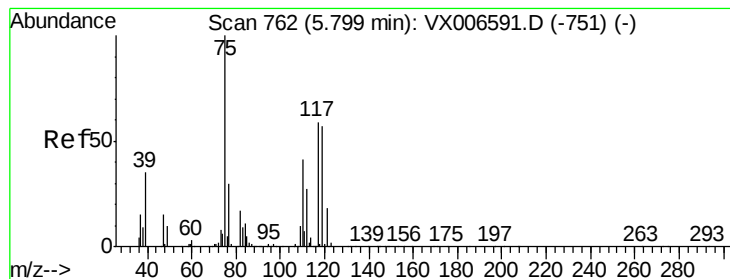


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.241 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

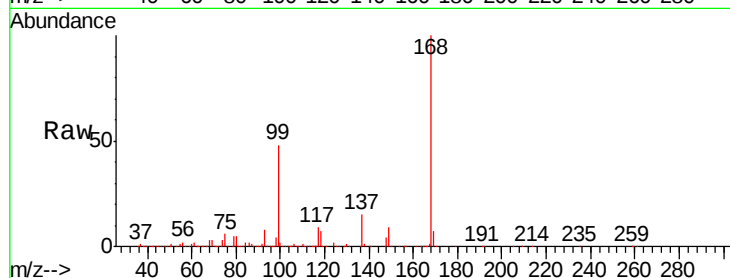
Tgt Ion: 75 Resp: 43132

Ion Ratio Lower Upper

75 100

110 10.5 20.2 60.5#

77 0.0 24.8 37.2#



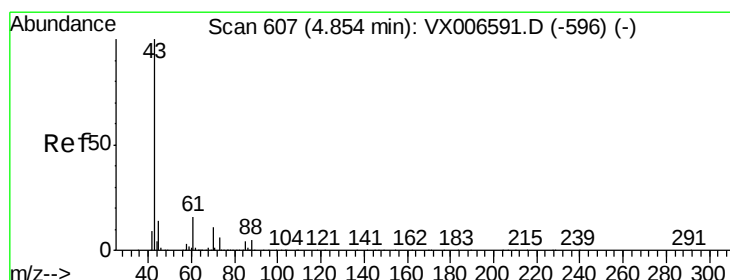
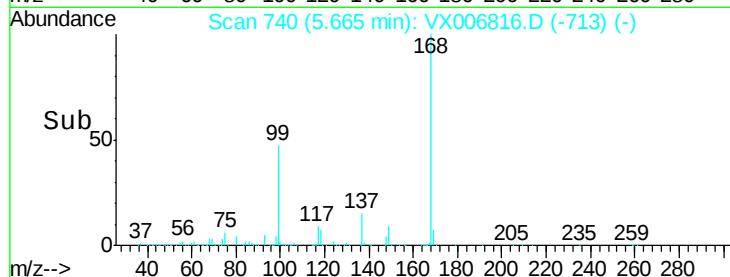
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

5.67

Time-->



#37

Ethyl Acetate

Concen: 1.272 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

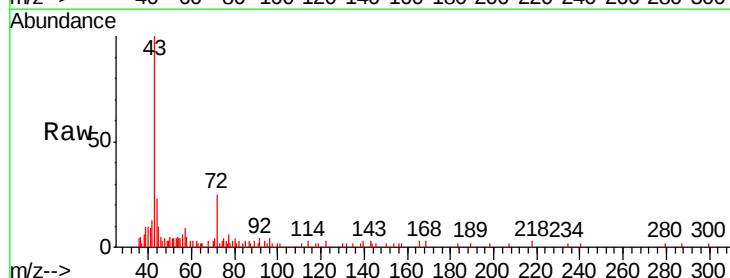
Tgt Ion: 43 Resp: 10894

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 0.0 9.7 14.5#



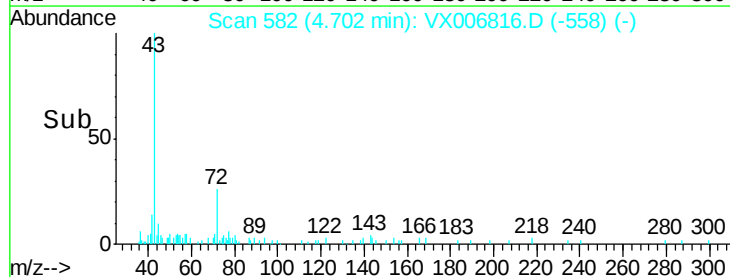
Abundance Ion 43.00 (42.70 to 43.70): VX0

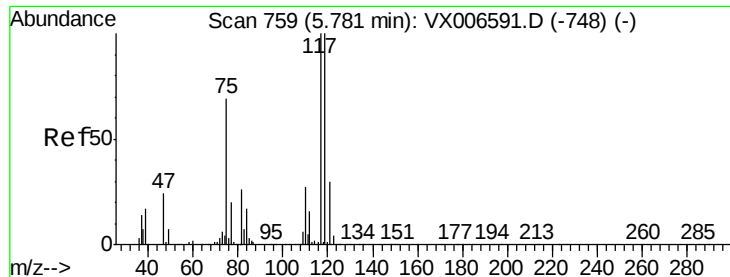
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

4.70

Time-->





#38

Carbon Tetrachloride

Concen: 7.621 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

TW-1

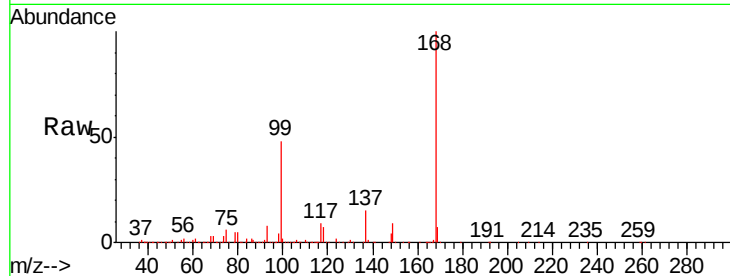
Tgt Ion:117 Resp: 60953

Ion Ratio Lower Upper

117 100

119 4.7 79.4 119.2#

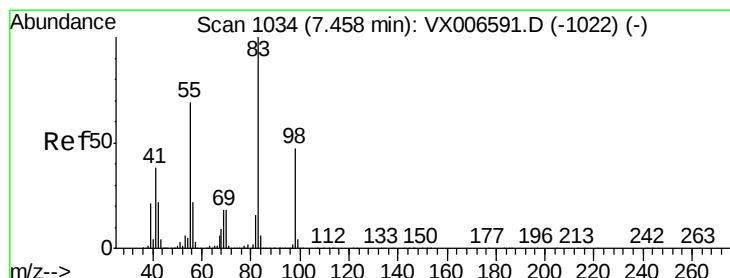
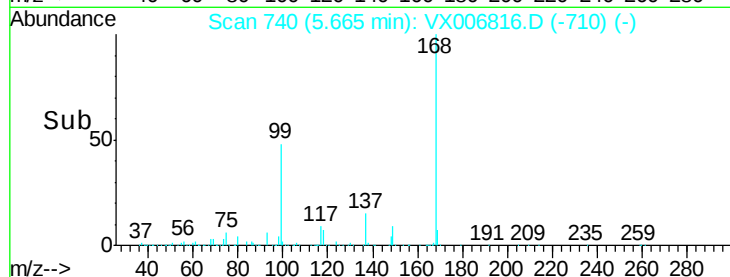
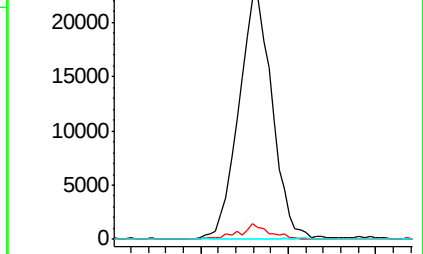
121 0.4 24.0 36.0#



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: 0.262 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

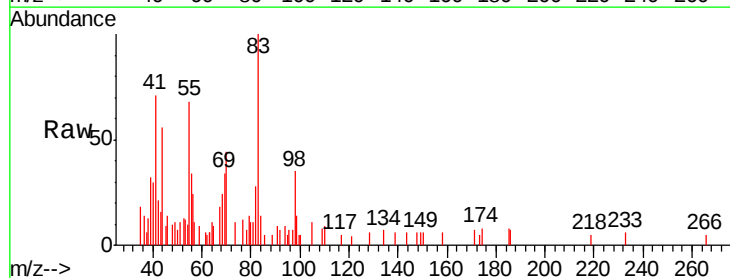
Tgt Ion: 83 Resp: 2842

Ion Ratio Lower Upper

83 100

55 59.0 54.9 82.3

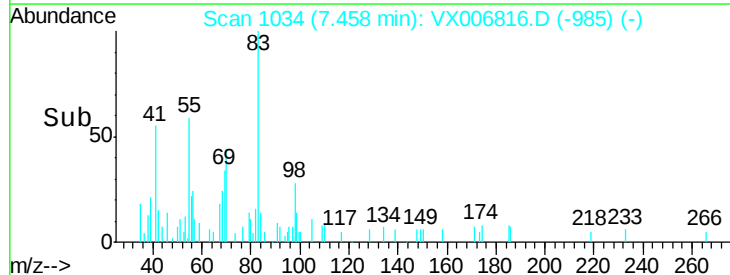
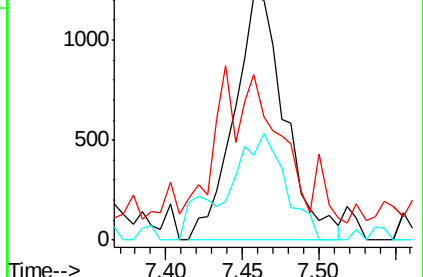
98 49.1 37.9 56.9

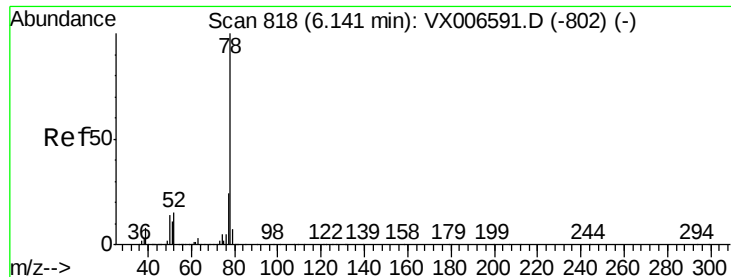


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.290 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

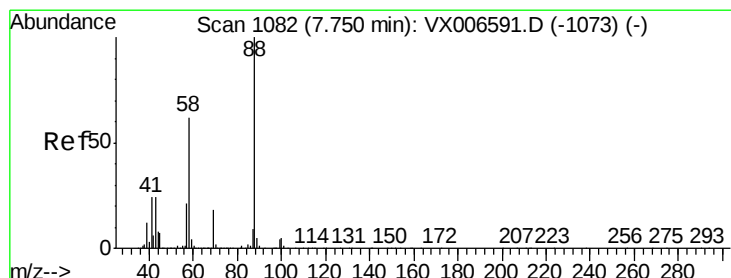
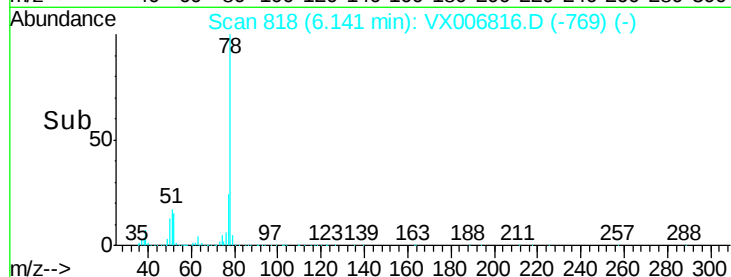
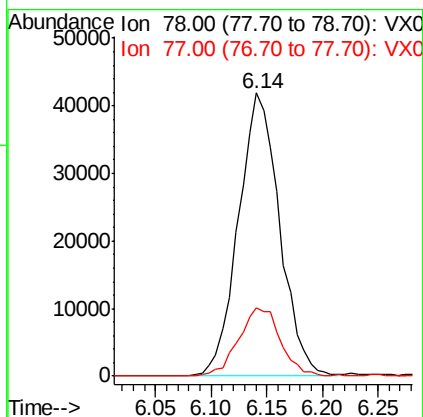
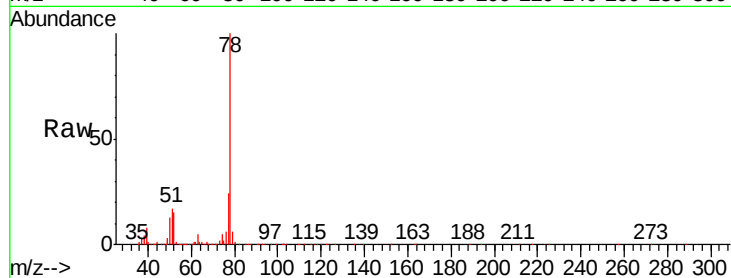
TW-1

Tgt Ion: 78 Resp: 107328

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

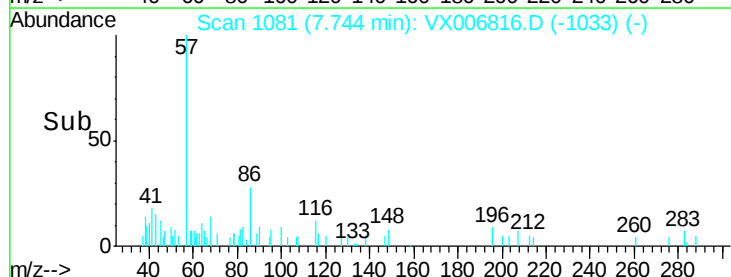
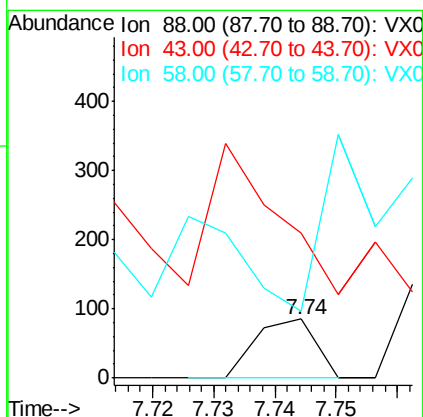
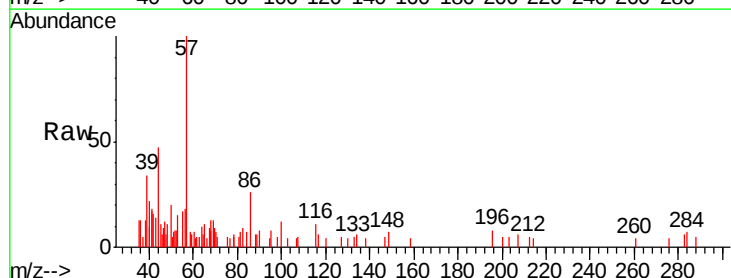
Tgt Ion: 88 Resp: 58

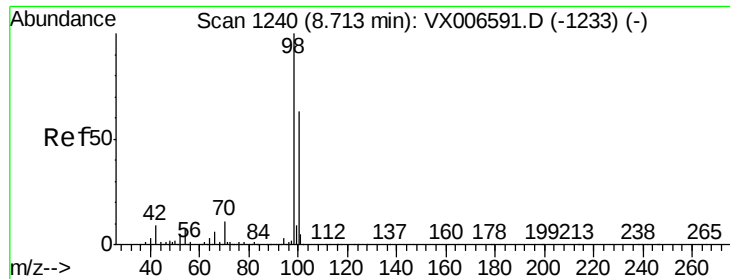
Ion Ratio Lower Upper

88 100

43 0.0 22.2 33.4#

58 805.2 51.0 76.4#





#50

Toluene-d8

Concen: 49.557 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

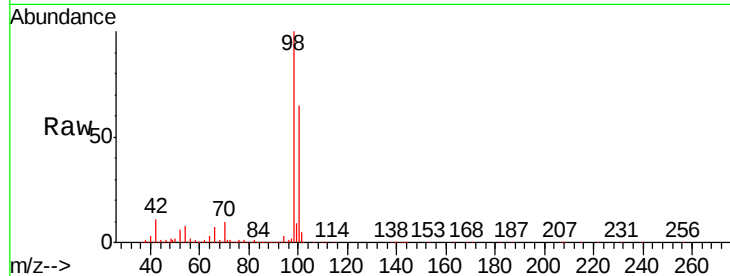
TW-1

Tgt Ion: 98 Resp: 1174038

Ion Ratio Lower Upper

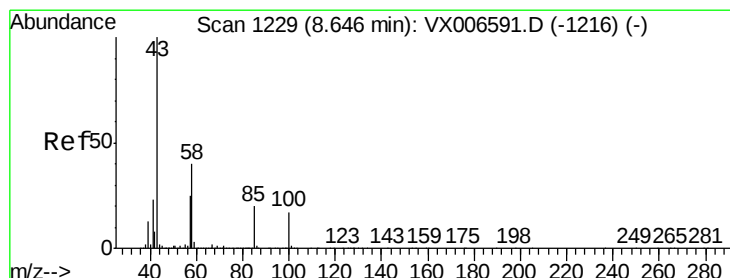
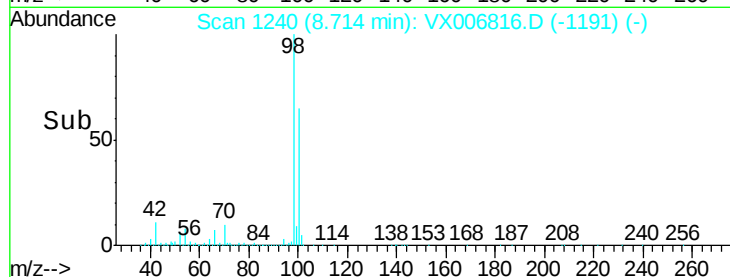
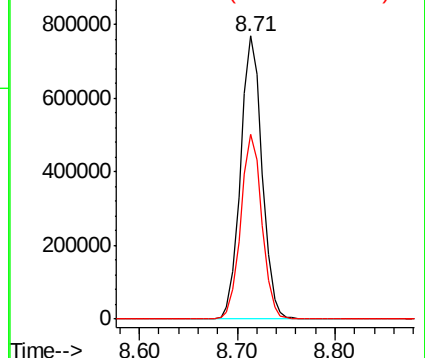
98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.211 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006816.D

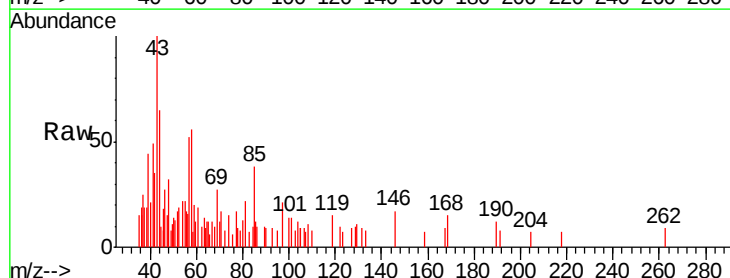
Acq: 26 Dec 2018 14:16

Tgt Ion: 43 Resp: 1748

Ion Ratio Lower Upper

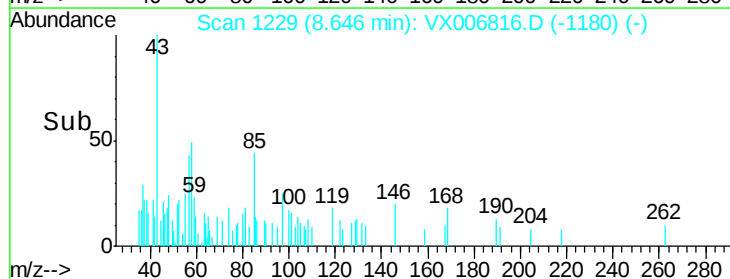
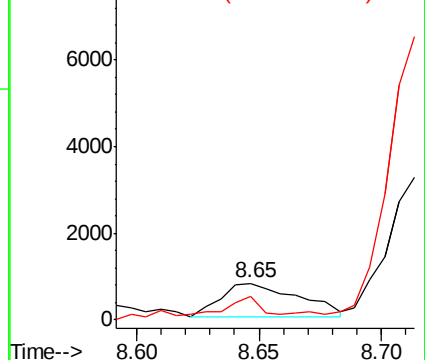
43 100

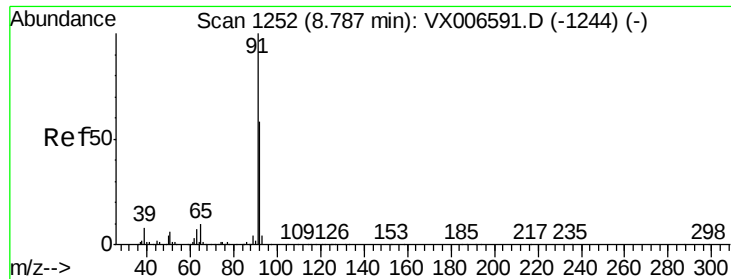
58 33.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 0.311 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

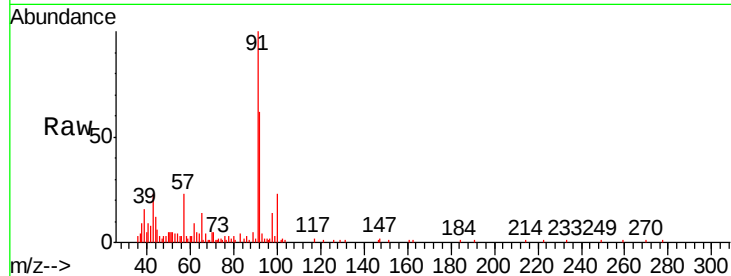
TW-1

Tgt Ion: 92 Resp: 5027

Ion Ratio Lower Upper

92 100

91 186.1 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX006816.D (-1203) (-)

Ion 91.00 (90.70 to 91.70): VX006816.D (-1203) (-)

6000

4000

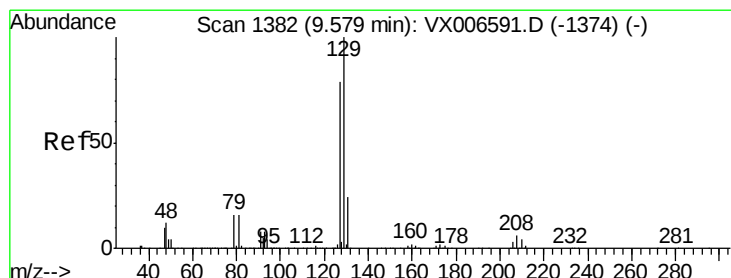
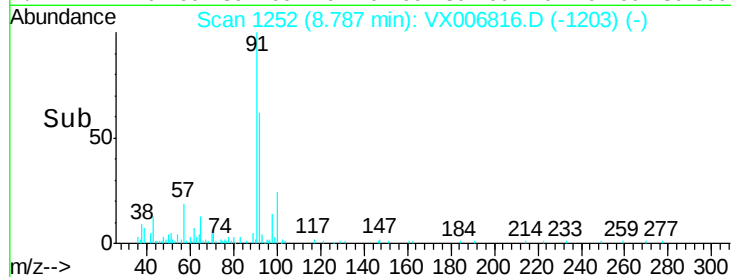
2000

0

8.75 8.80

8.79

Time-->



#60

Dibromochloromethane

Concen: 2.333 ug/l

RT: 9.76 min Scan# 1411

Delta R.T. 0.18 min

Lab File: VX006816.D

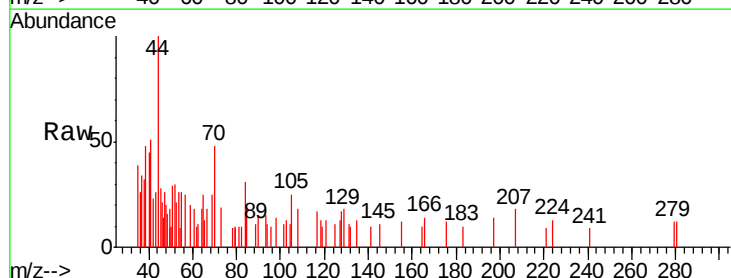
Acq: 26 Dec 2018 14:16

Tgt Ion: 129 Resp: 65

Ion Ratio Lower Upper

129 100

127 104.6 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006816.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006816.D (-1333) (-)

250

200

150

100

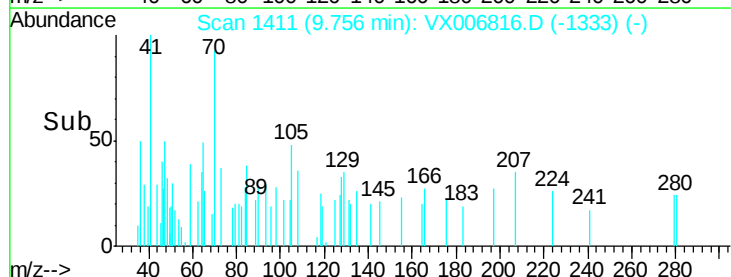
50

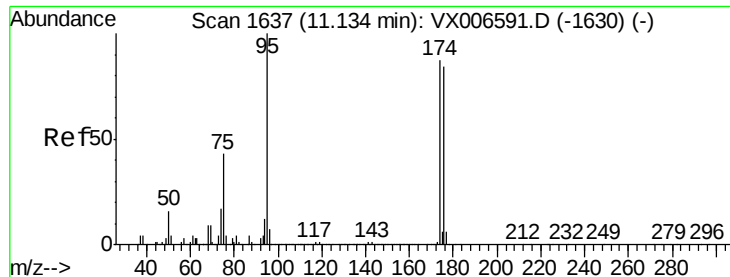
0

9.75 9.76 9.77

9.76

Time-->





#62

4-Bromofluorobenzene

Concen: 49.648 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

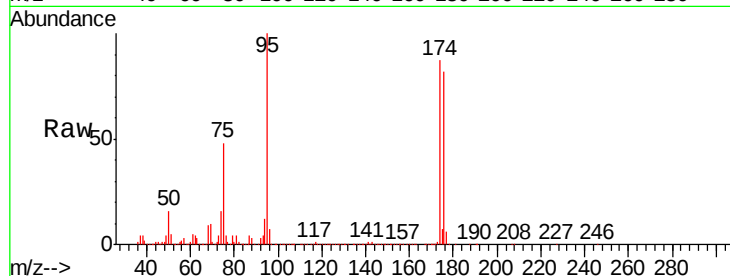
Tgt Ion: 95 Resp: 430772

Ion Ratio Lower Upper

95 100

174 92.1 0.0 182.2

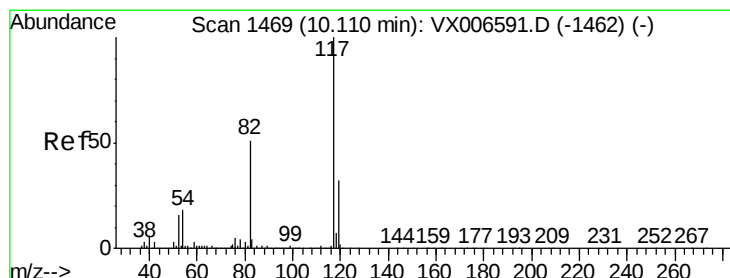
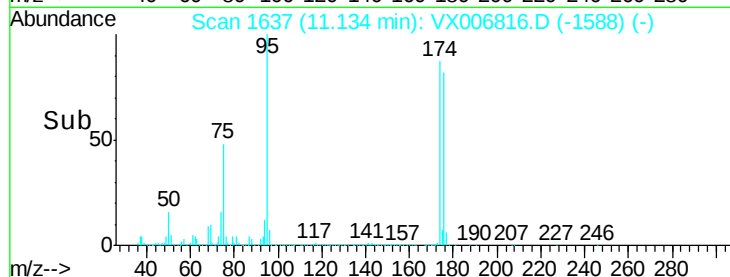
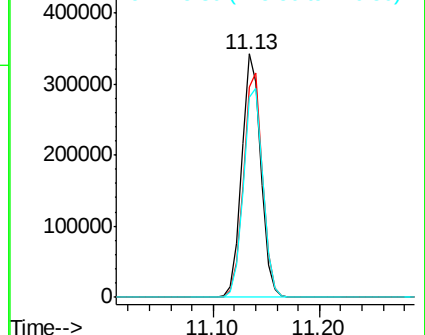
176 88.3 0.0 178.8



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: VX006816.D

Acq: 26 Dec 2018 14:16

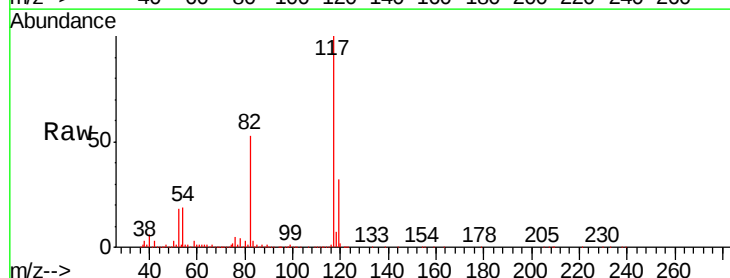
Tgt Ion: 117 Resp: 919845

Ion Ratio Lower Upper

117 100

82 52.6 41.0 61.6

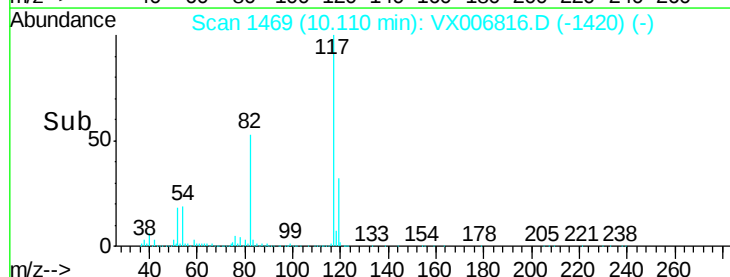
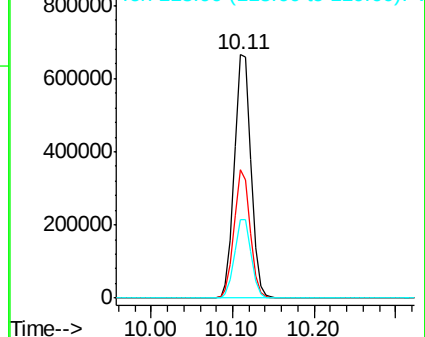
119 32.1 25.4 38.0

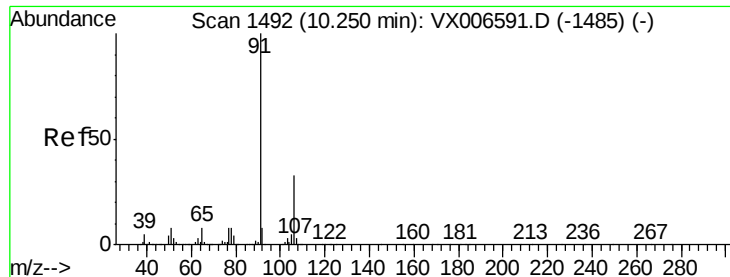


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 22.447 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

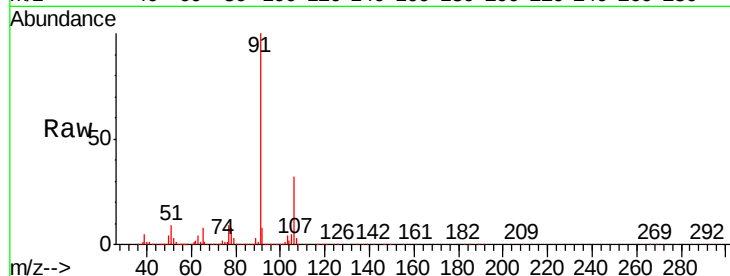
TW-1

Tgt Ion: 91 Resp: 713794

Ion Ratio Lower Upper

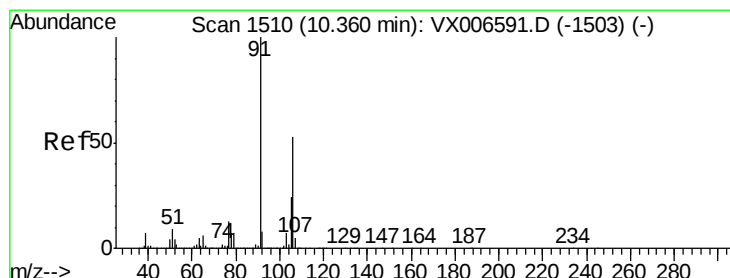
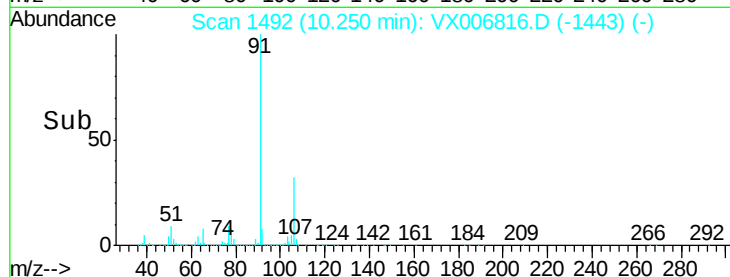
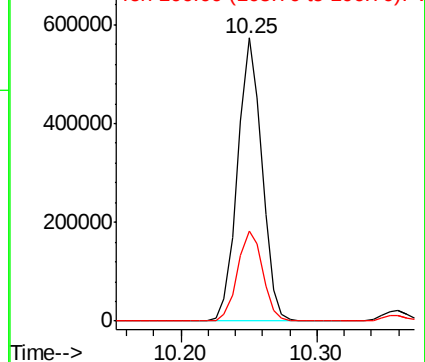
91 100

106 31.8 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: 1.269 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006816.D

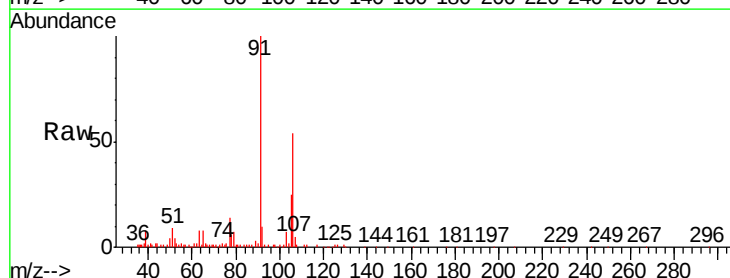
Acq: 26 Dec 2018 14:16

Tgt Ion: 106 Resp: 15924

Ion Ratio Lower Upper

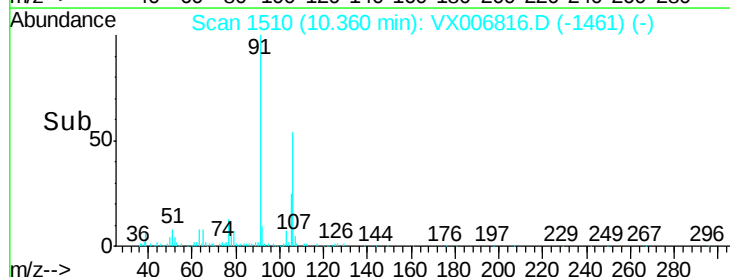
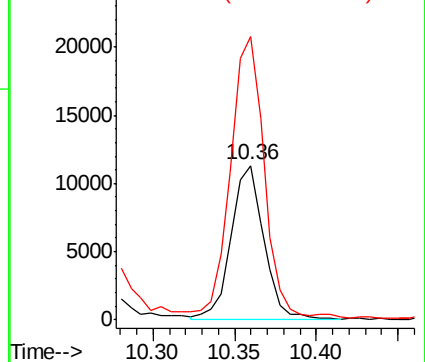
106 100

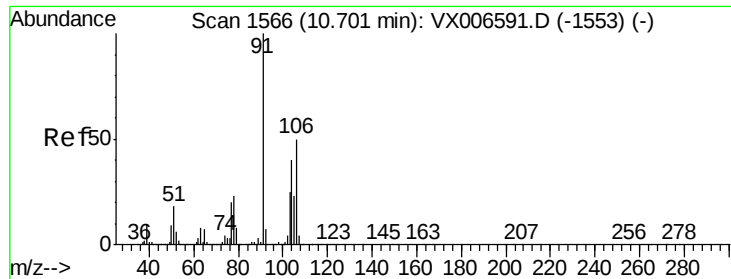
91 190.7 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

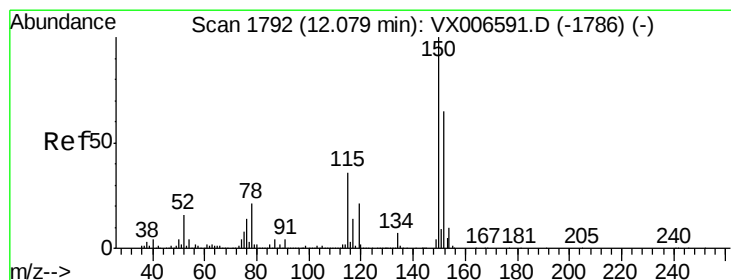
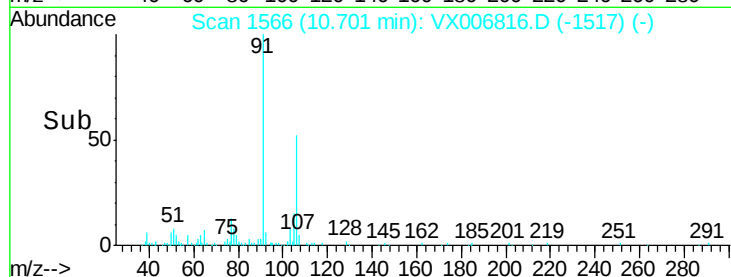
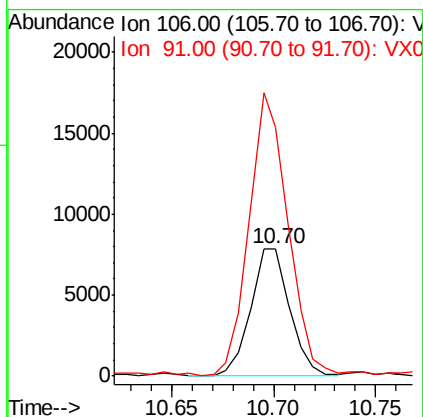
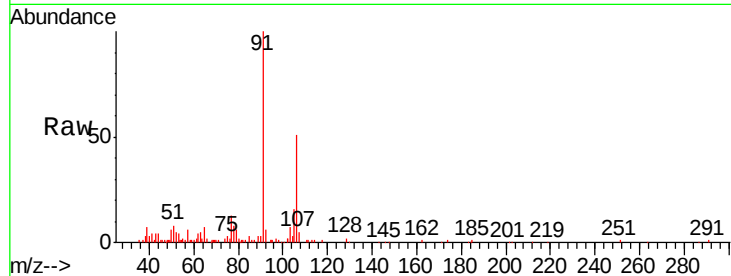




#69
o-Xylene
Concen: 0.857 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

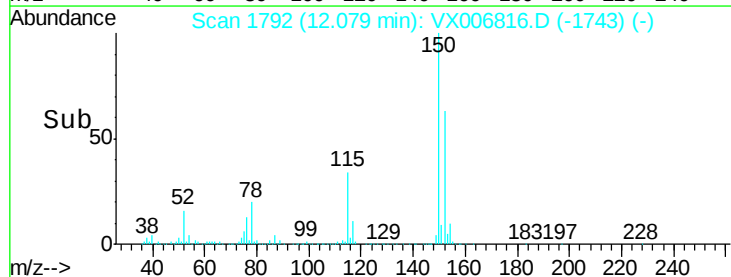
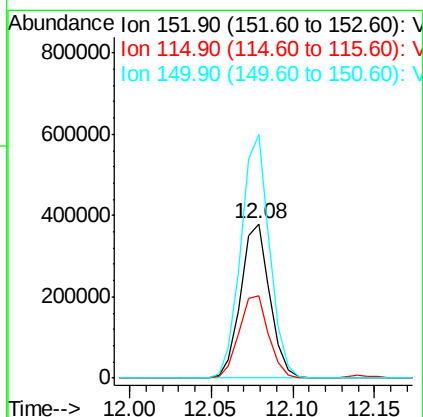
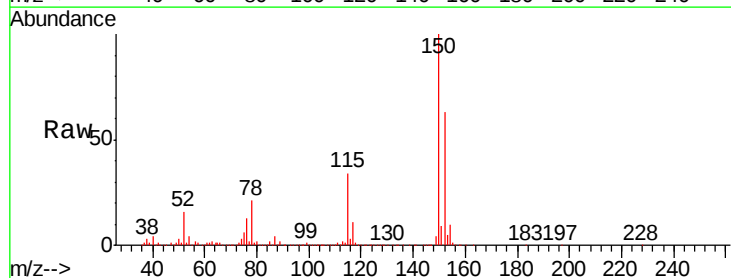
Instrument :
MSVOA_X
ClientSampleId :
TW-1

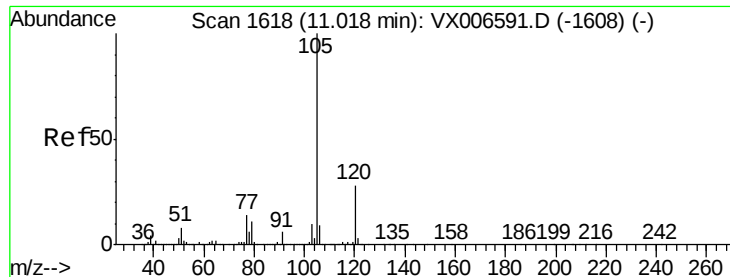
Tgt Ion:106 Resp: 10621
Ion Ratio Lower Upper
106 100
91 221.1 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

Tgt Ion:152 Resp: 470475
Ion Ratio Lower Upper
152 100
115 54.9 39.1 117.2
150 156.6 0.0 344.8





#73

Isopropylbenzene

Concen: 2.776 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

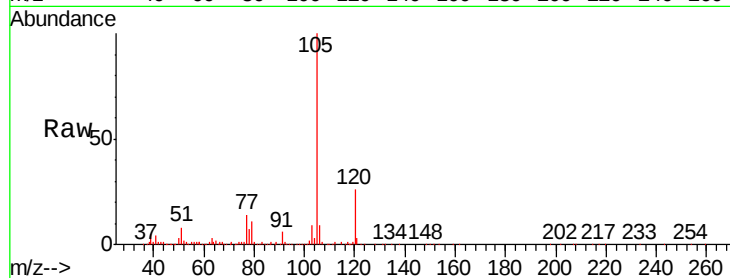
TW-1

Tgt Ion: 105 Resp: 89358

Ion Ratio Lower Upper

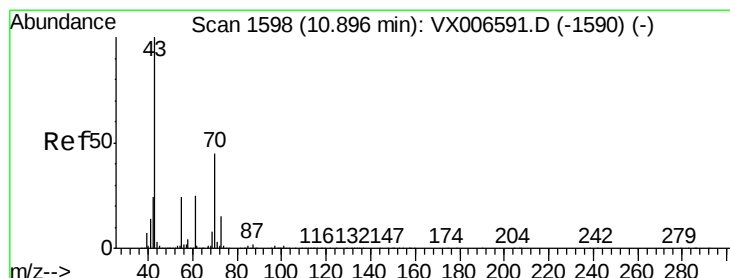
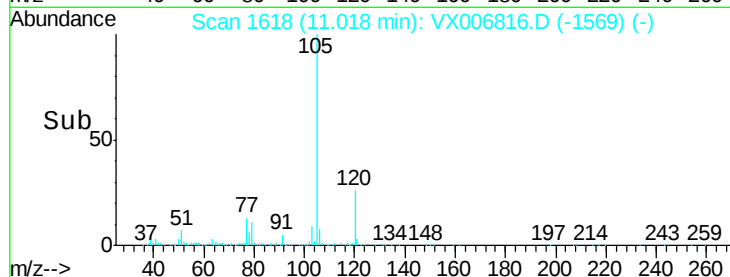
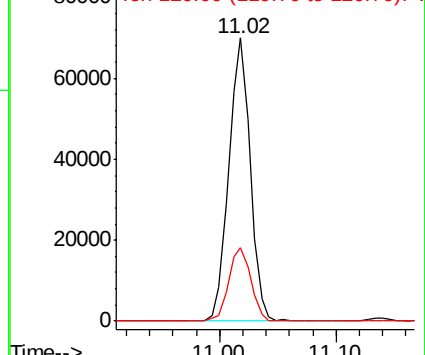
105 100

120 26.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.902 ug/l

RT: 10.95 min Scan# 1607

Delta R.T. 0.05 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Tgt Ion: 43 Resp: 10388

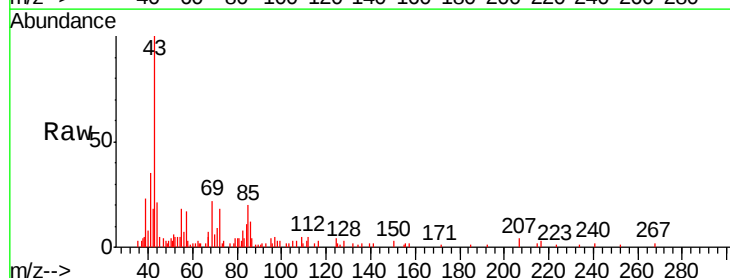
Ion Ratio Lower Upper

43 100

70 0.0 35.8 53.8#

55 0.0 19.4 29.0#

61 0.0 20.1 30.1#

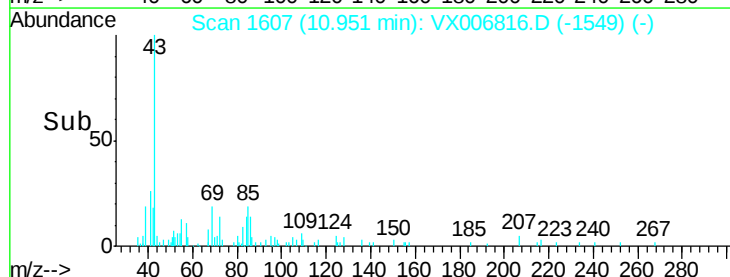
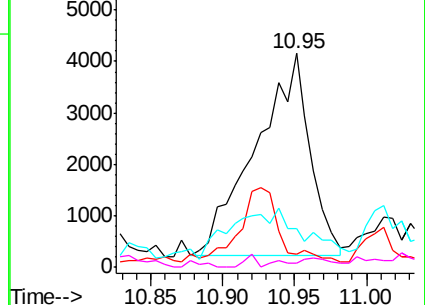


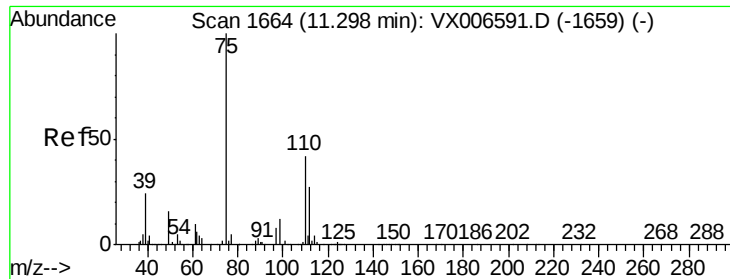
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.314 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

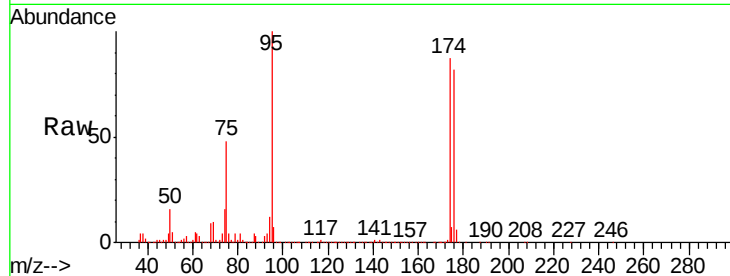
TW-1

Tgt Ion: 75 Resp: 203846

Ion Ratio Lower Upper

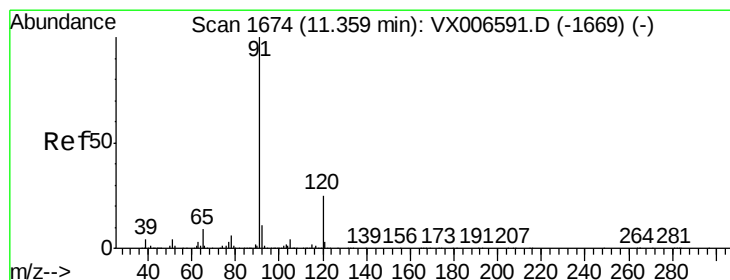
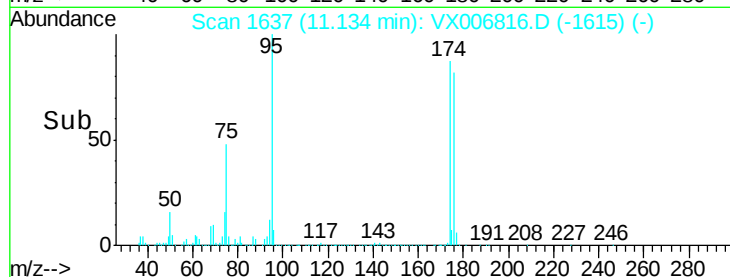
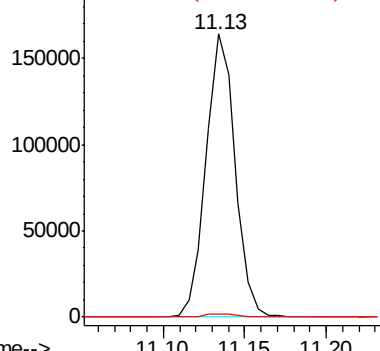
75 100

77 1.3 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: 4.233 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006816.D

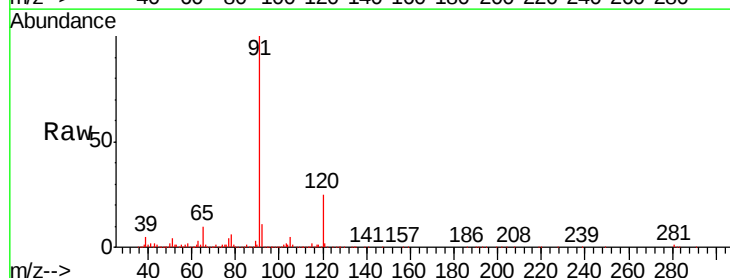
Acq: 26 Dec 2018 14:16

Tgt Ion: 91 Resp: 150048

Ion Ratio Lower Upper

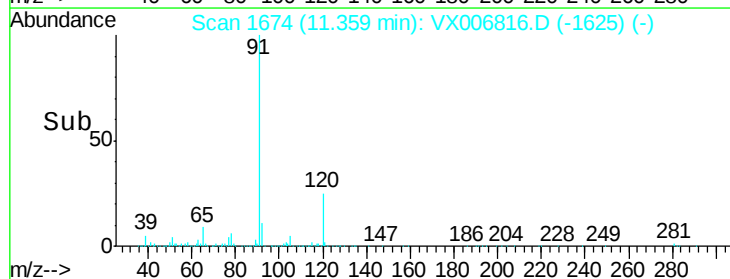
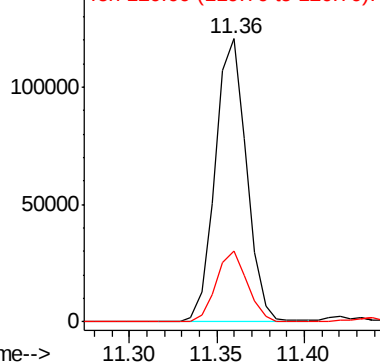
91 100

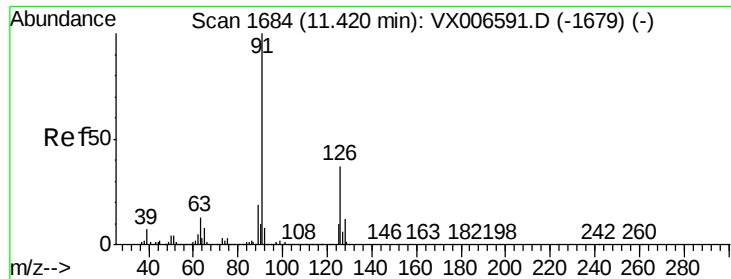
120 24.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.986 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

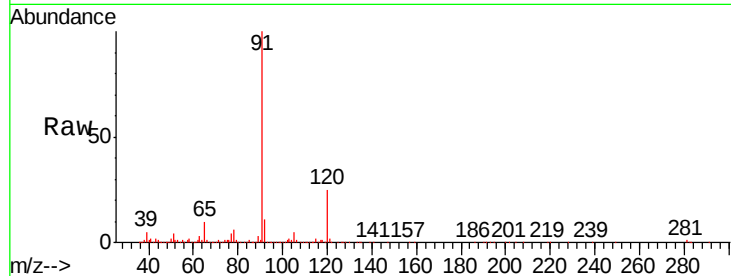
TW-1

Tgt Ion: 91 Resp: 150048

Ion Ratio Lower Upper

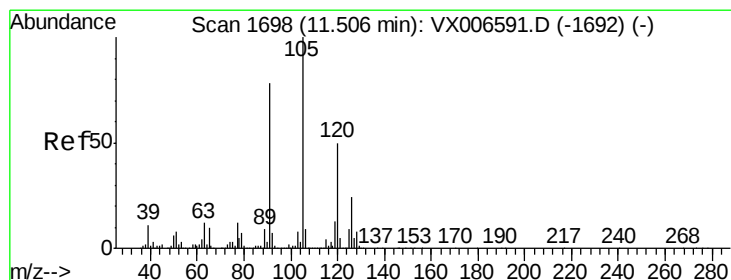
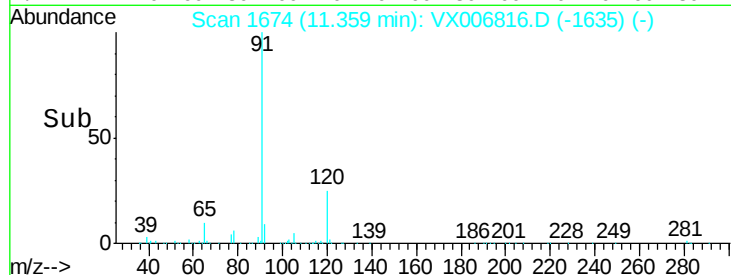
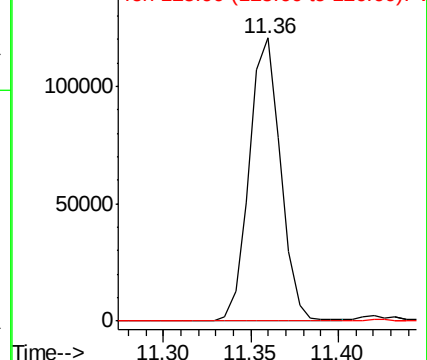
91 100

126 0.3 18.6 56.0#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 0.518 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006816.D

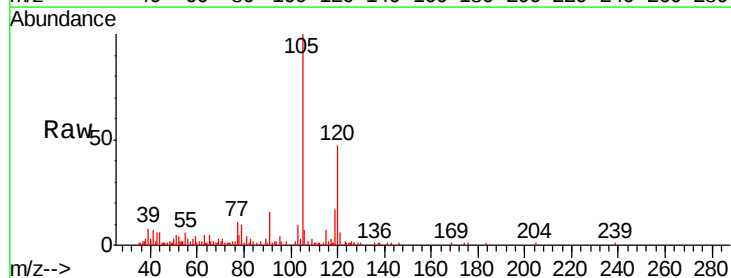
Acq: 26 Dec 2018 14:16

Tgt Ion:105 Resp: 13733

Ion Ratio Lower Upper

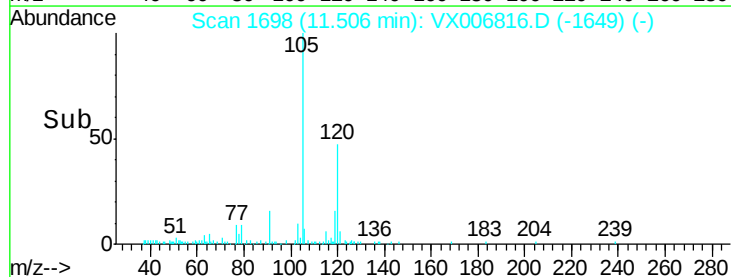
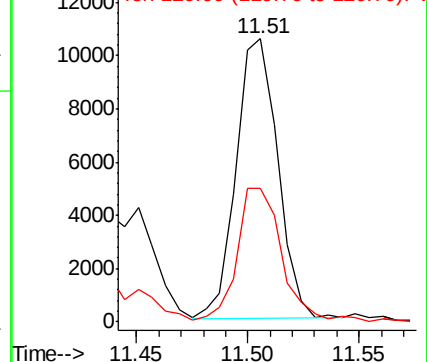
105 100

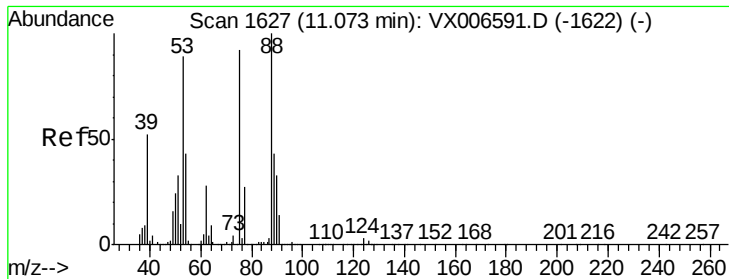
120 52.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

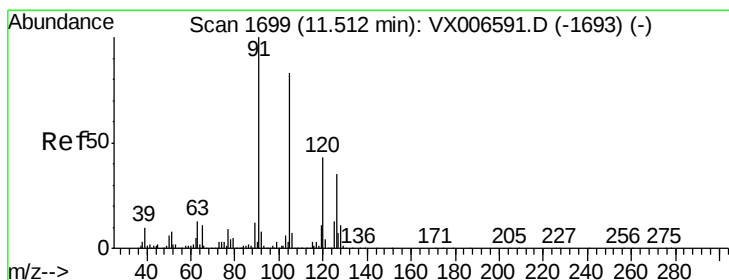
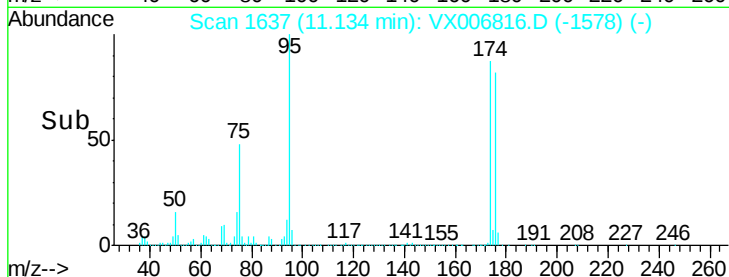
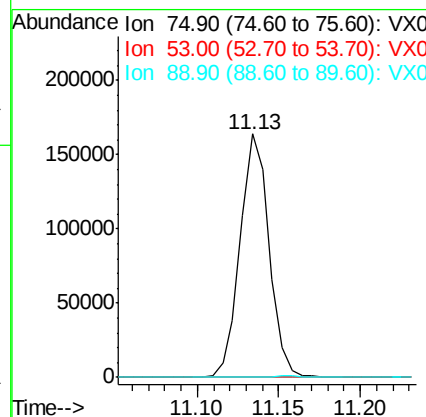
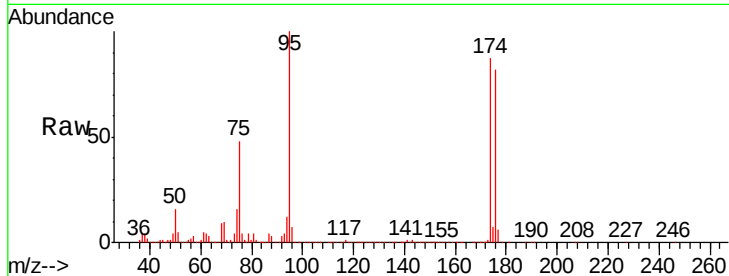




#81
trans-1,4-Dichloro-2-butene
Concen: 69.178 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

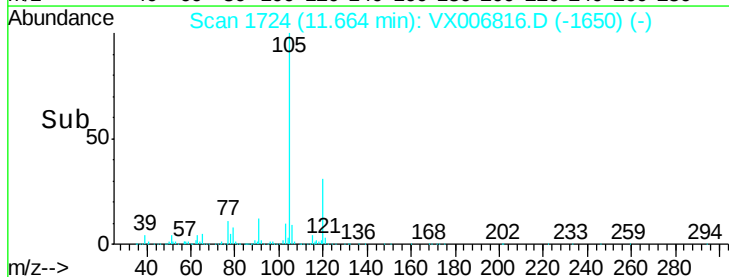
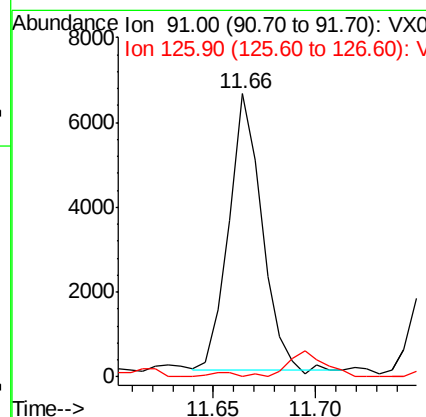
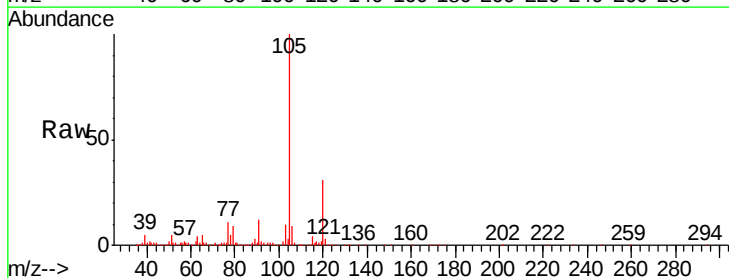
Instrument :
MSVOA_X
ClientSampleId :
TW-1

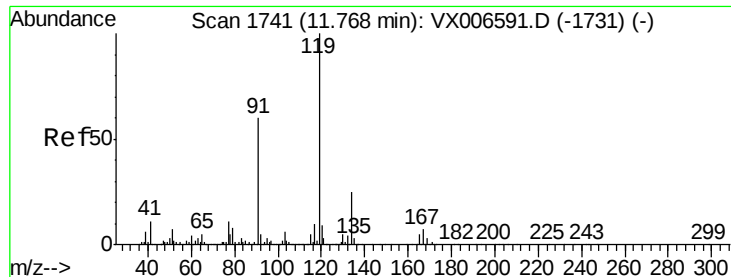
Tgt Ion: 75 Resp: 203846
Ion Ratio Lower Upper
75 100
53 0.1 79.7 119.5#
89 0.0 38.0 57.0#



#82
4-Chlorotoluene
Concen: 0.296 ug/l
RT: 11.66 min Scan# 1724
Delta R.T. 0.15 min
Lab File: VX006816.D
Acq: 26 Dec 2018 14:16

Tgt Ion: 91 Resp: 7301
Ion Ratio Lower Upper
91 100
126 1.4 16.3 48.9#





#83

tert-Butylbenzene

Concen: 1.376 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

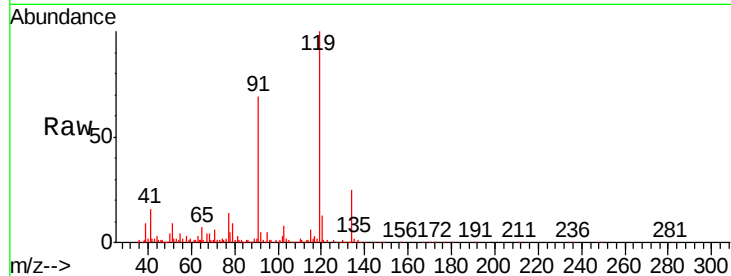
Tgt Ion:119 Resp: 36503

Ion Ratio Lower Upper

119 100

91 68.2 27.7 83.1

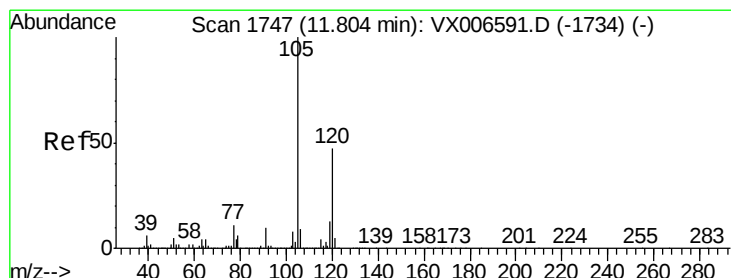
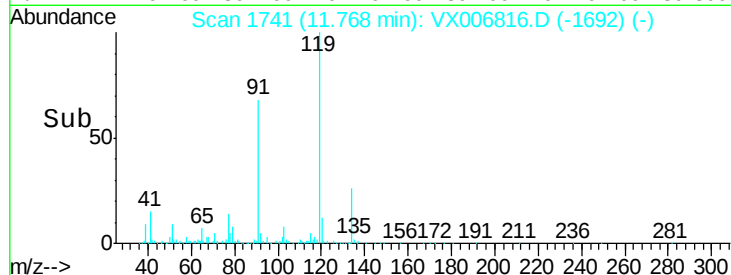
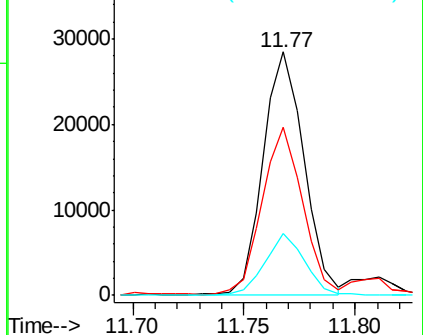
134 24.9 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.801 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006816.D

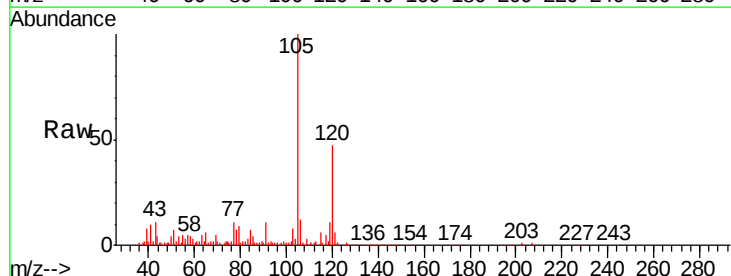
Acq: 26 Dec 2018 14:16

Tgt Ion:105 Resp: 22329

Ion Ratio Lower Upper

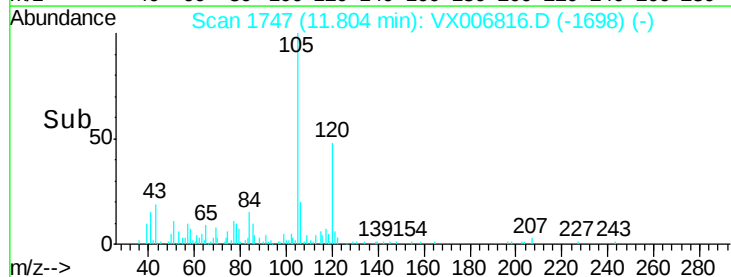
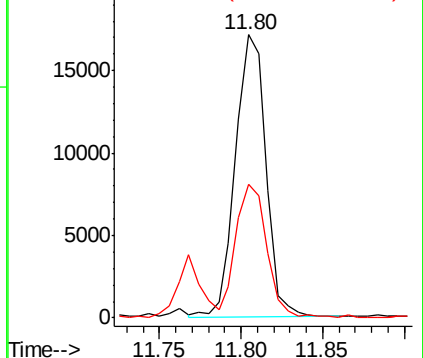
105 100

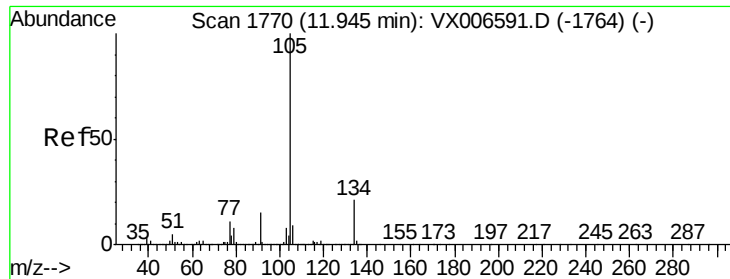
120 48.6 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.776 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

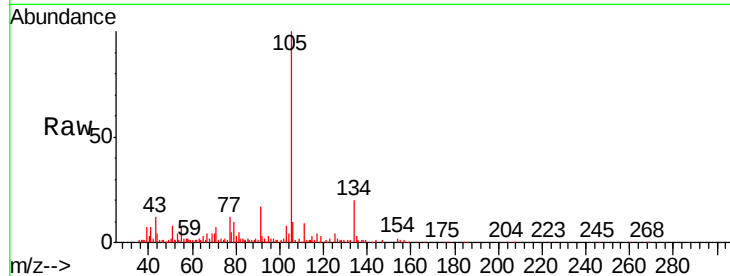
TW-1

Tgt Ion:105 Resp: 25253

Ion Ratio Lower Upper

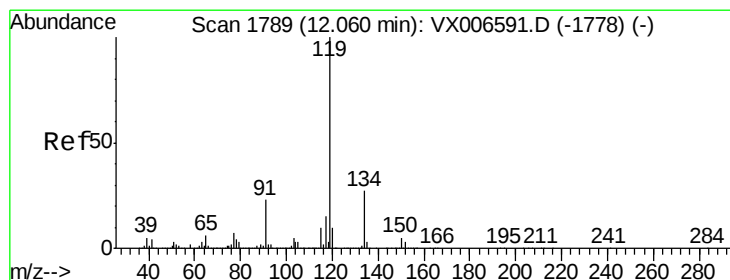
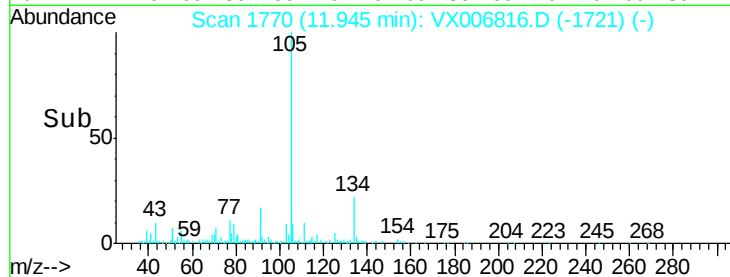
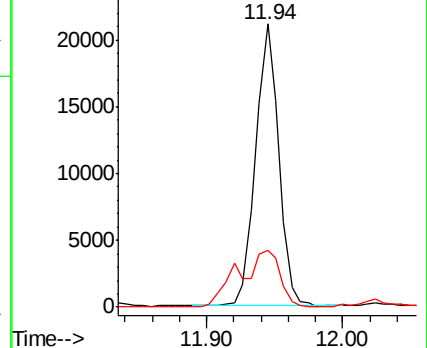
105 100

134 20.2 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: 0.934 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

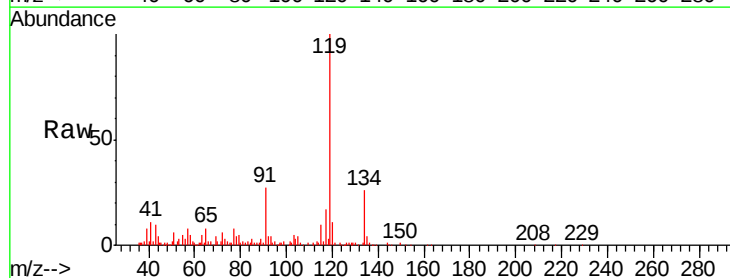
Tgt Ion:119 Resp: 26714

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

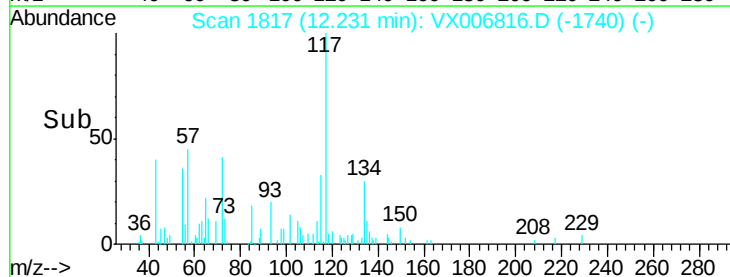
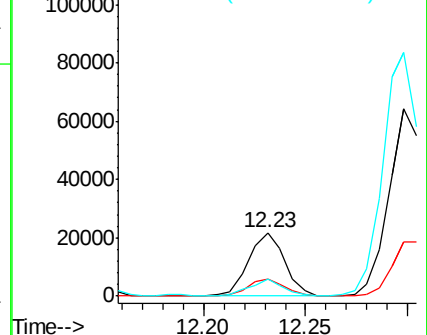
91 23.4 11.3 33.9

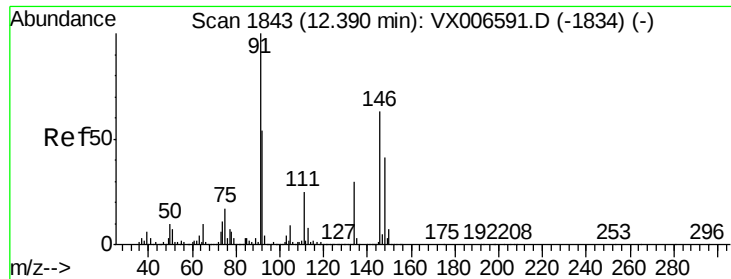


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#89

n-Butylbenzene

Concen: 0.731 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

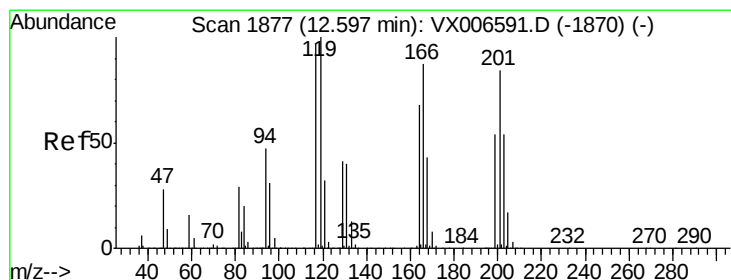
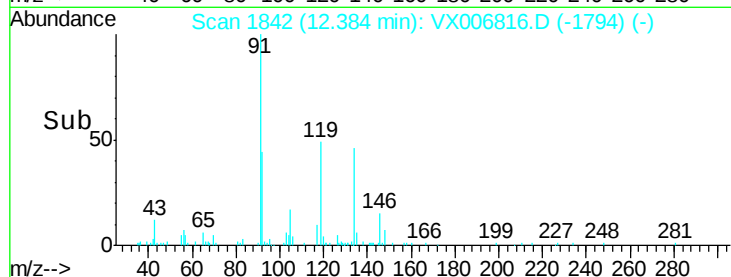
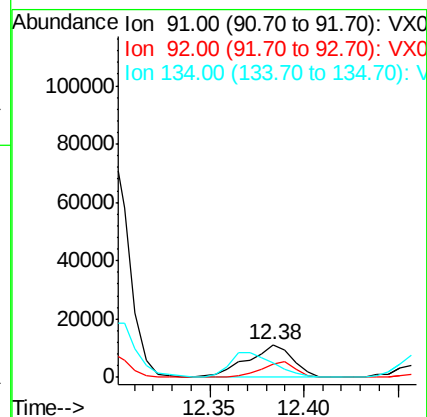
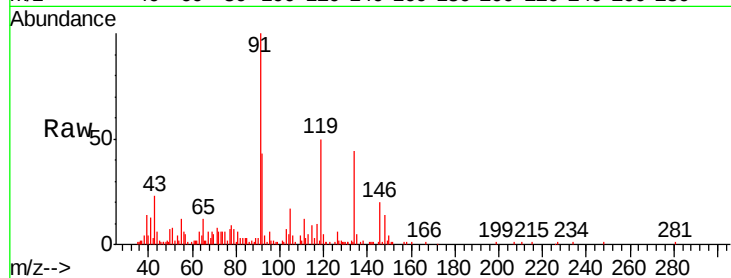
Tgt Ion: 91 Resp: 17782

Ion Ratio Lower Upper

91 100

92 39.2 26.8 80.4

134 0.0 14.4 43.2#



#90

Hexachloroethane

Concen: 9.590 ug/l

RT: 12.66 min Scan# 1888

Delta R.T. 0.07 min

Lab File: VX006816.D

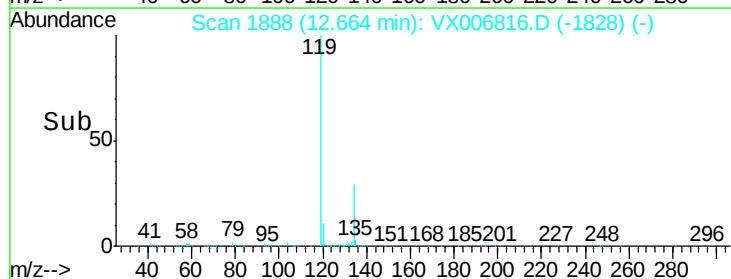
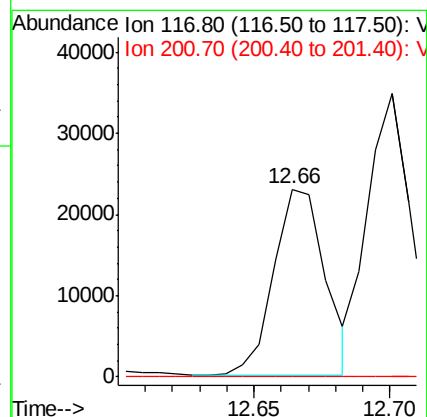
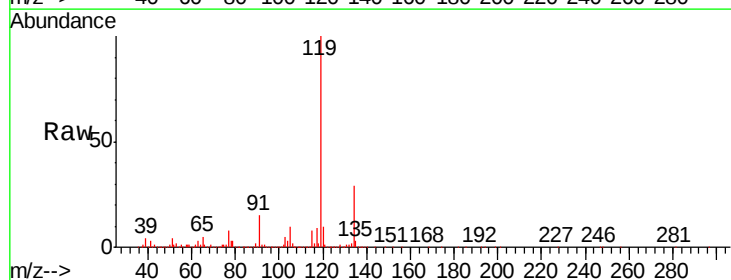
Acq: 26 Dec 2018 14:16

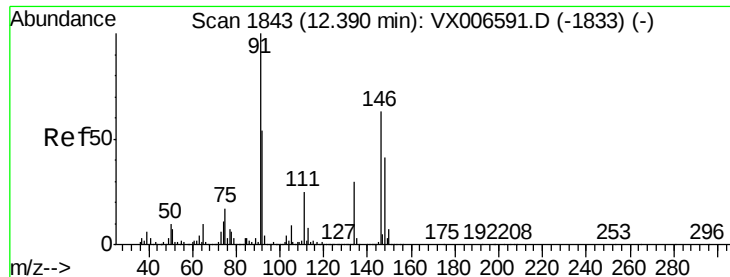
Tgt Ion: 117 Resp: 30166

Ion Ratio Lower Upper

117 100

201 0.1 42.9 128.7#





#91

1,2-Dichlorobenzene

Concen: 0.327 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampled :

TW-1

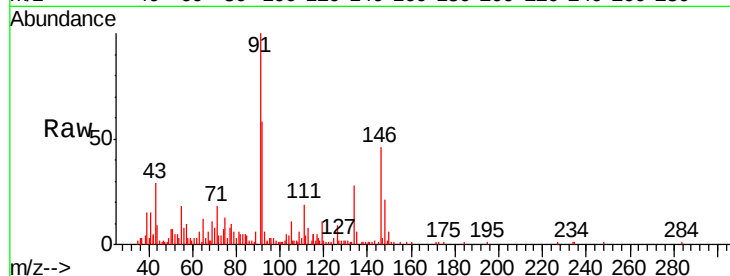
Tgt Ion:146 Resp: 5133

Ion Ratio Lower Upper

146 100

111 36.8 19.4 58.2

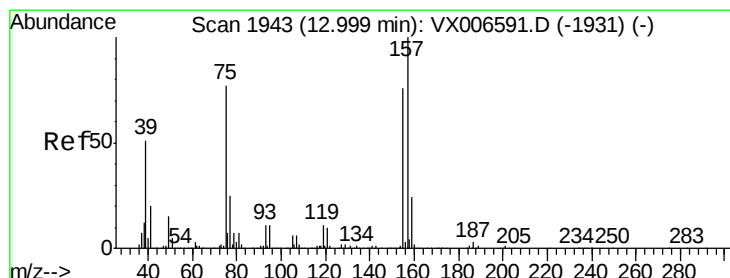
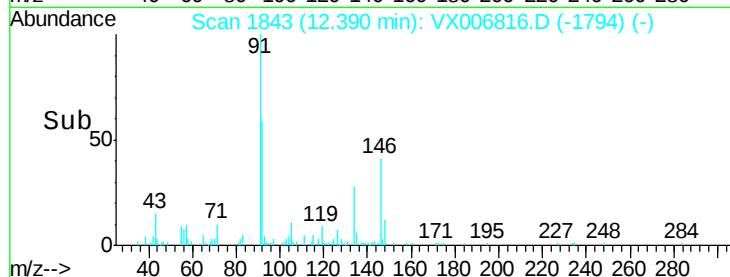
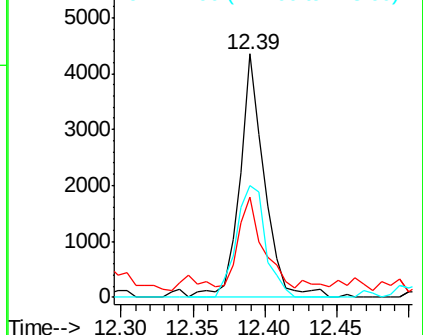
148 55.1 32.3 96.9



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: 0.366 ug/l

RT: 13.02 min Scan# 1946

Delta R.T. 0.02 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

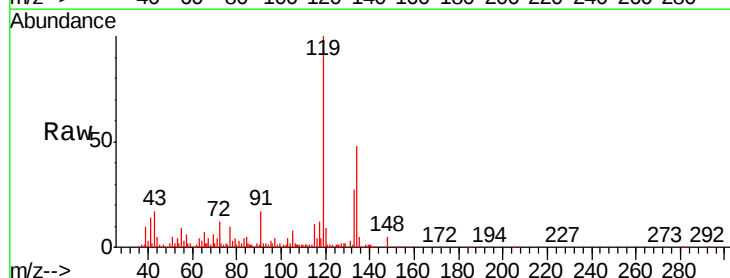
Tgt Ion: 75 Resp: 724

Ion Ratio Lower Upper

75 100

155 11.3 50.6 151.8#

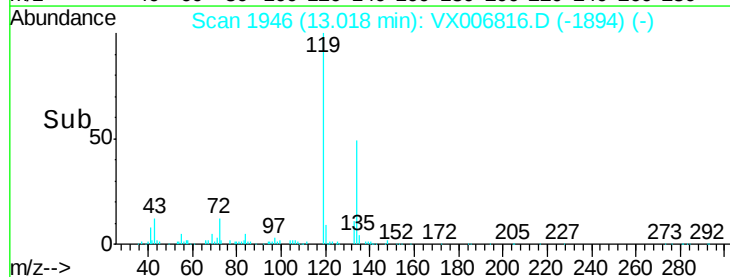
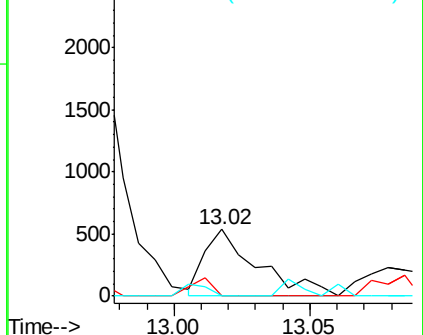
157 8.7 64.6 193.8#

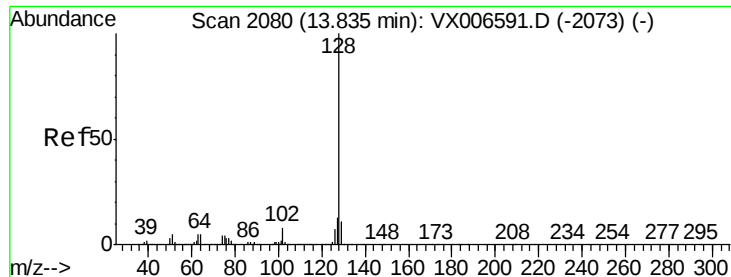


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.964 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006816.D

Acq: 26 Dec 2018 14:16

Instrument :

MSVOA_X

ClientSampleId :

TW-1

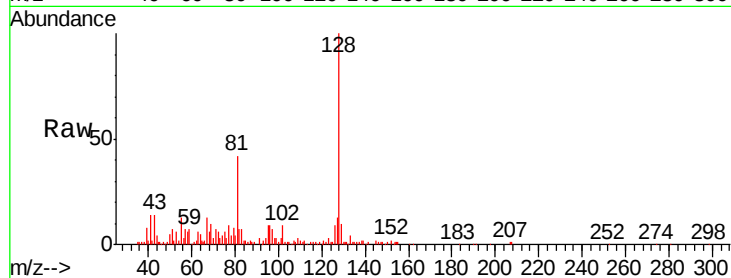
Tgt Ion:128 Resp: 33287

Ion Ratio Lower Upper

128 100

127 15.3 10.1 15.1#

129 16.4 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

