

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011019\
 Data File : VX006993.D
 Acq On : 10 Jan 2019 16:41
 Operator : JC/MD
 Sample : K1099-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-16

Quant Time: Jan 11 07:14:00 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	5.67	168	616900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	942129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	891752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	430080	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	323967	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
35) Dibromofluoromethane	5.50	113	287335	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
50) Toluene-d8	8.71	98	1132943	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
62) 4-Bromofluorobenzene	11.13	95	401842	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	

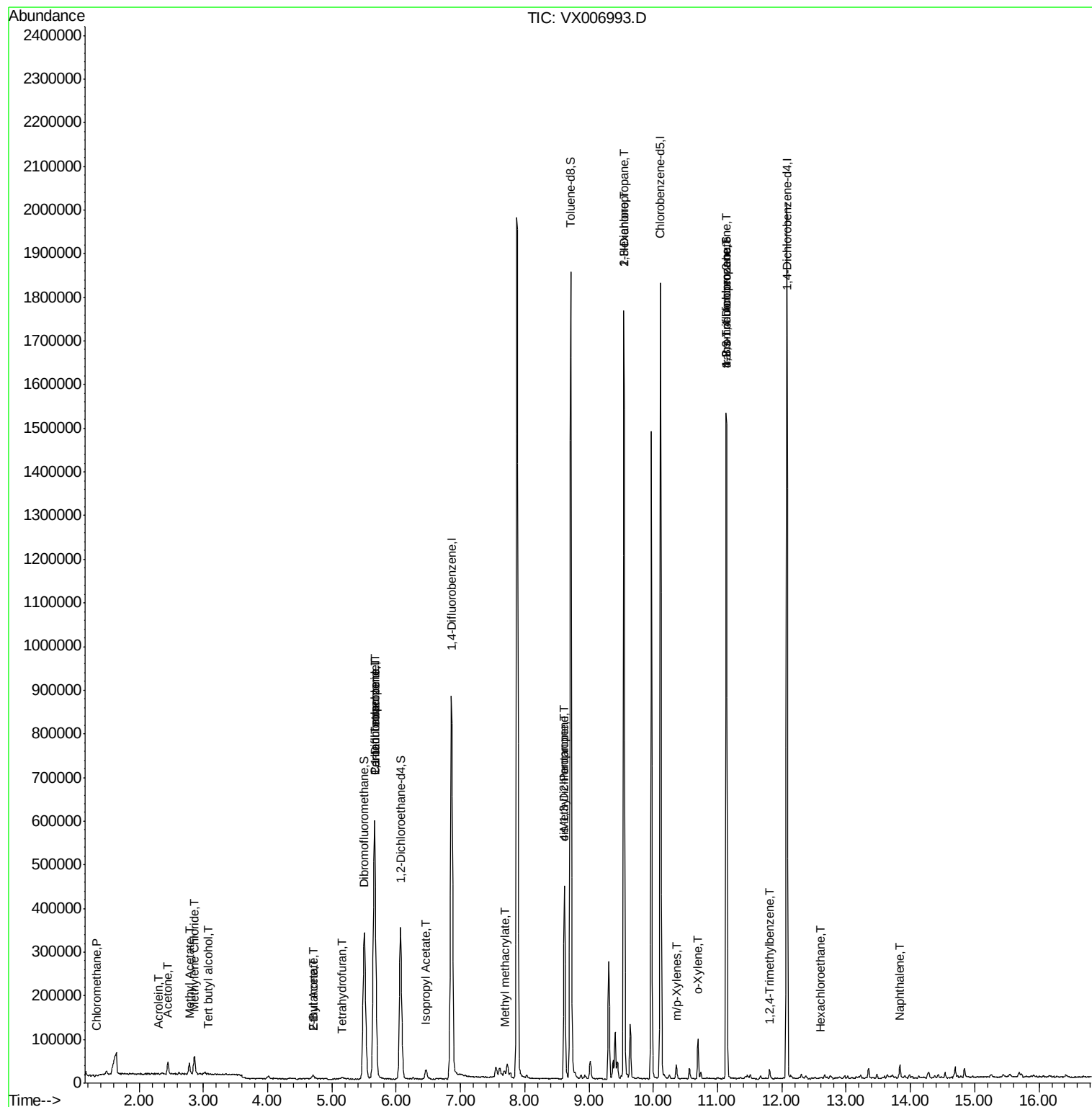
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1357	0.230	ug/l #	43
11) Tert butyl alcohol	3.08	59	2352	1.547	ug/l	99
13) Acrolein	2.30	56	443	3.751	ug/l #	80
16) Acetone	2.45	43	30429	9.547	ug/l	98
18) Methyl Acetate	2.78	43	31099	3.369	ug/l	95
20) Methylene Chloride	2.85	84	19298	2.647	ug/l	98
25) 2-Butanone	4.70	43	14701	3.224	ug/l	93
29) Tetrahydrofuran	5.17	42	4554	1.537	ug/l	90
36) 1,1-Dichloropropene	5.66	75	40123	4.898	ug/l #	47
37) Ethyl Acetate	4.70	43	14701	1.674	ug/l #	68
38) Carbon Tetrachloride	5.66	117	55362	6.718	ug/l #	15
43) Isopropyl Acetate	6.46	43	27900	2.014	ug/l	96
48) Methyl methacrylate	7.69	41	18905	2.658	ug/l #	22
49) 1,4-Dioxane	7.76	88	130	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	142796	16.041	ug/l #	49
54) cis-1,3-Dichloropropene	8.62	75	71784	7.799	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	15290	1.452	ug/l #	47
59) 2-Hexanone	9.54	43	194535	28.677	ug/l #	50
68) m/p-Xylenes	10.36	106	8500	0.672	ug/l	92
69) o-Xylene	10.69	106	3258	0.264	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	192362	22.072	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	192362	65.352	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	8353	0.328	ug/l	93
90) Hexachloroethane	12.60	117	457	3.008	ug/l #	25
95) Naphthalene	13.83	128	20761	0.670	ug/l	99

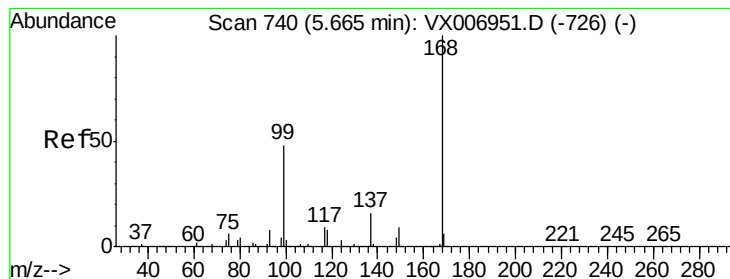
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
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Instrument :
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Quant Time: Jan 11 07:14:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

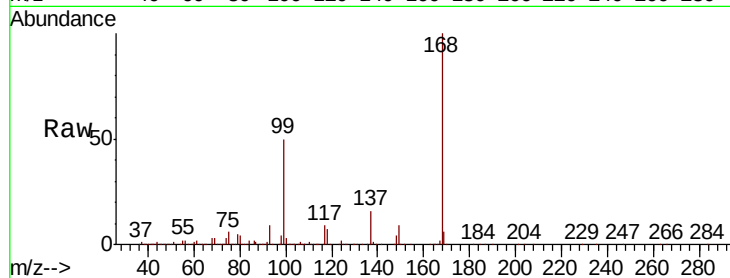
TP-16

Tgt Ion:168 Resp: 616900

Ion Ratio Lower Upper

168 100

99 50.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

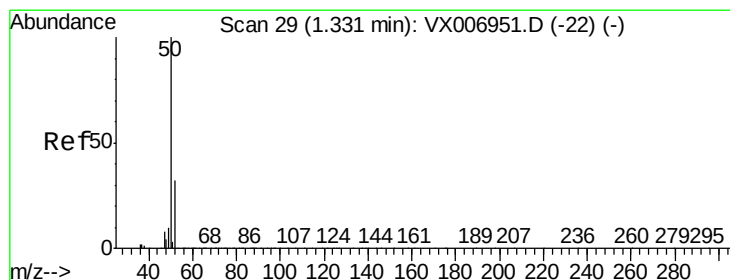
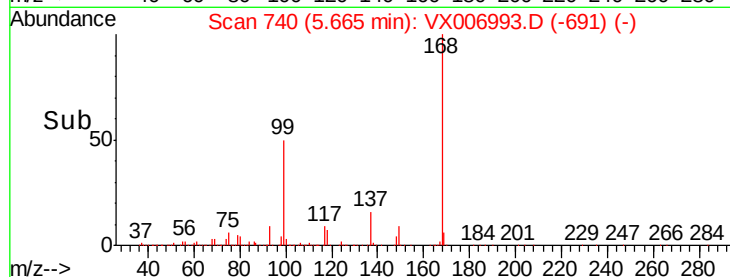
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006993.D

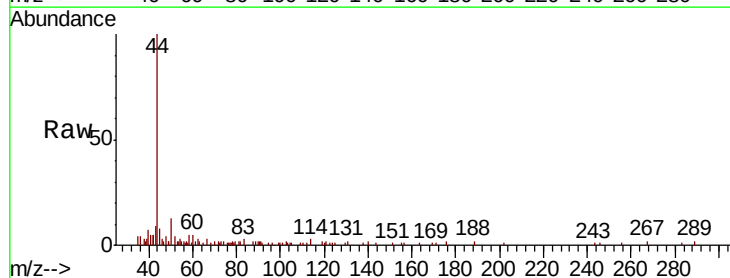
Acq: 10 Jan 2019 16:41

Tgt Ion: 50 Resp: 1357

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

800

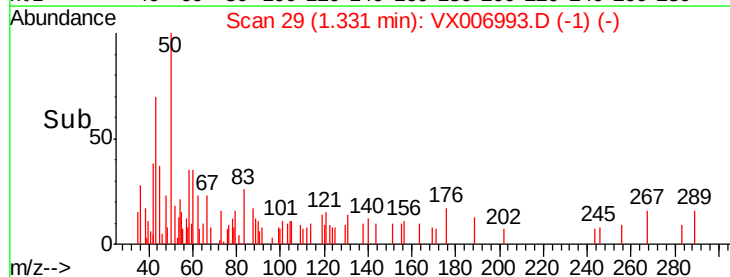
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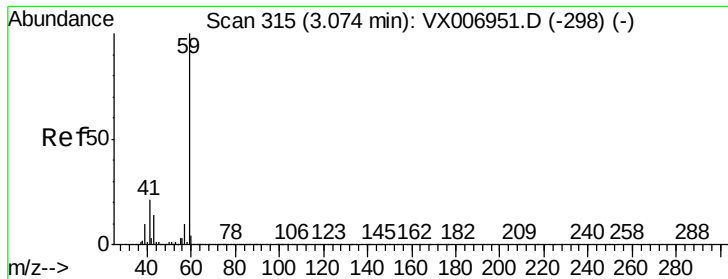
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200

0

Time-->

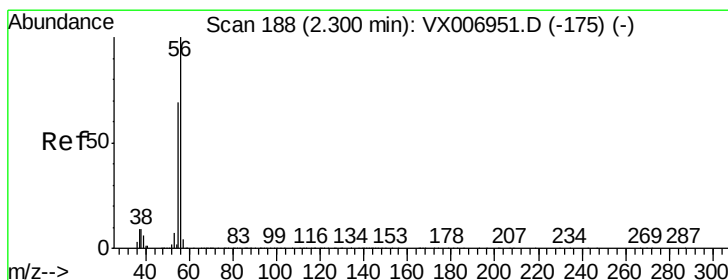
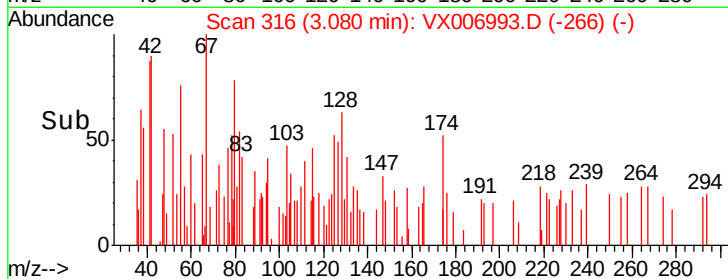
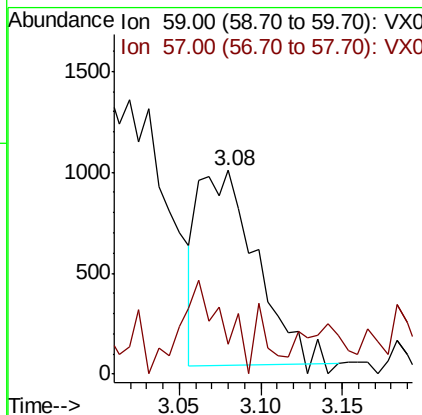
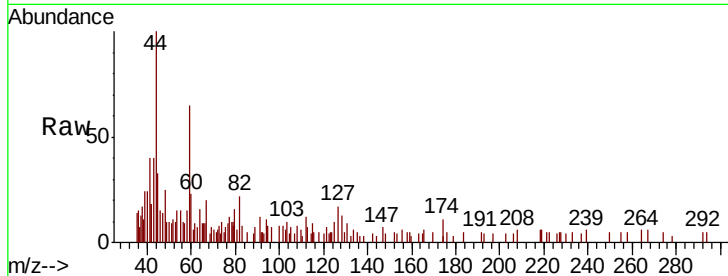




#11
Tert butyl alcohol
Concen: 1.547 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

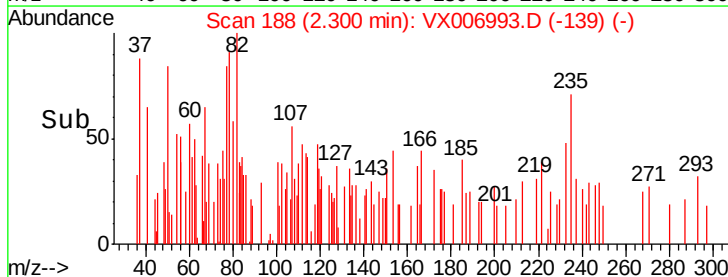
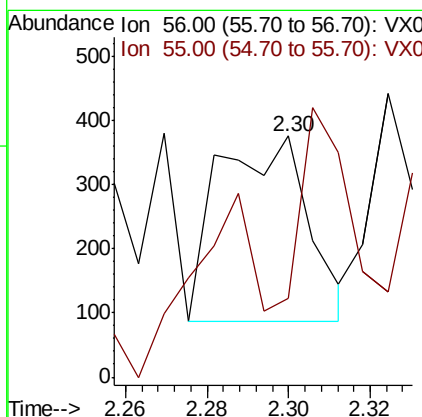
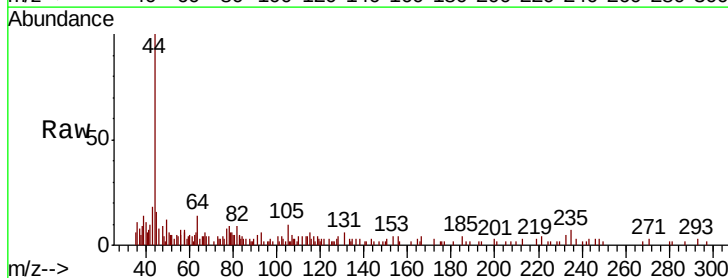
Instrument :
MSVOA_X
ClientSampled :
TP-16

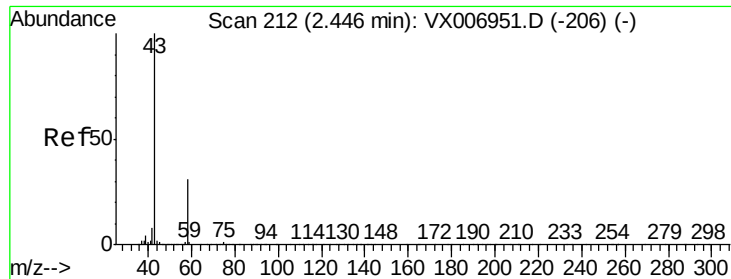
Tgt Ion: 59 Resp: 2352
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7



#13
Acrolein
Concen: 3.751 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 56.2 58.2 87.4#

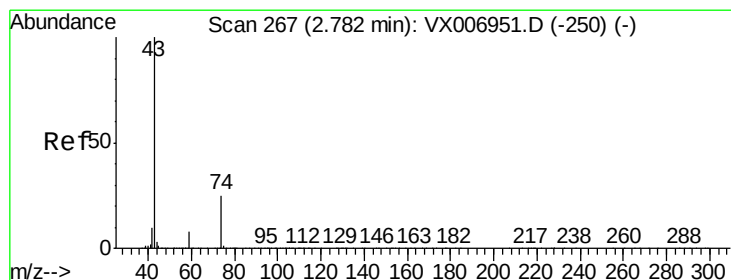
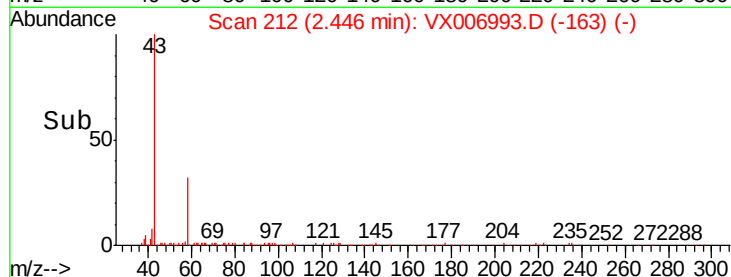
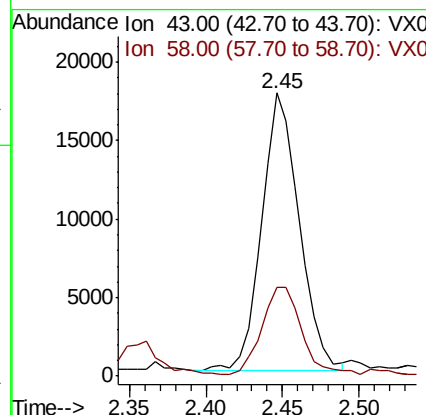
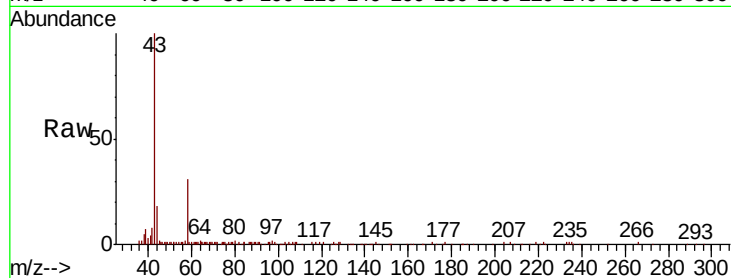




#16
Acetone
Concen: 9.547 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

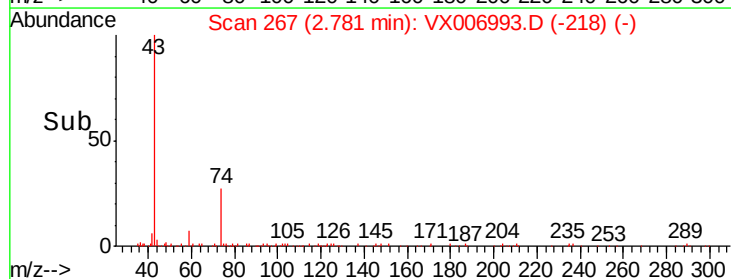
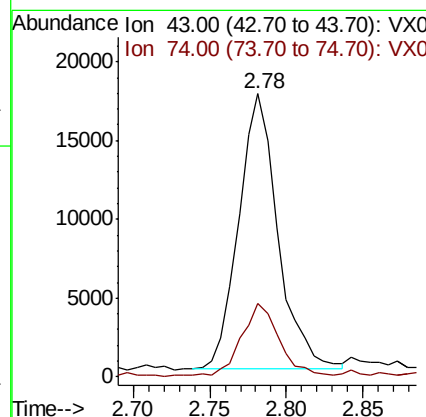
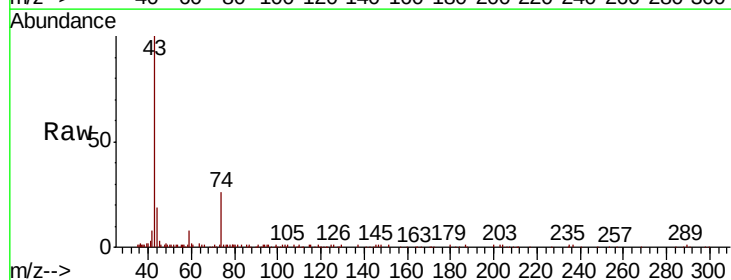
Instrument :
MSVOA_X
ClientSampled :
TP-16

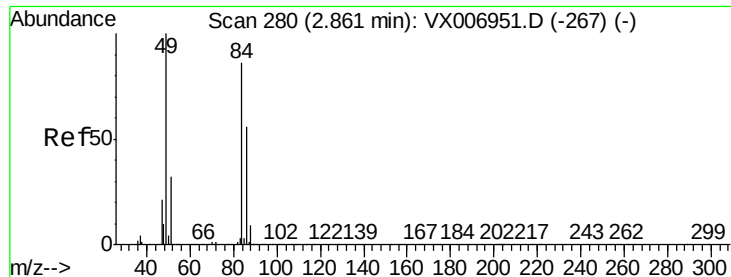
Tgt Ion: 43 Resp: 30429
Ion Ratio Lower Upper
43 100
58 30.1 25.0 37.6



#18
Methyl Acetate
Concen: 3.369 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 43 Resp: 31099
Ion Ratio Lower Upper
43 100
74 25.7 18.6 28.0

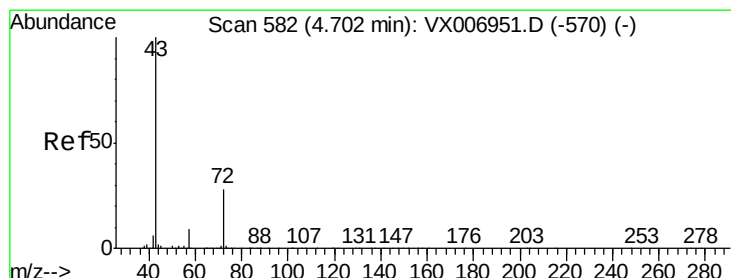
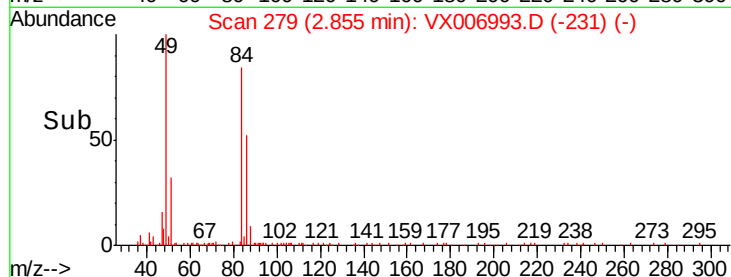
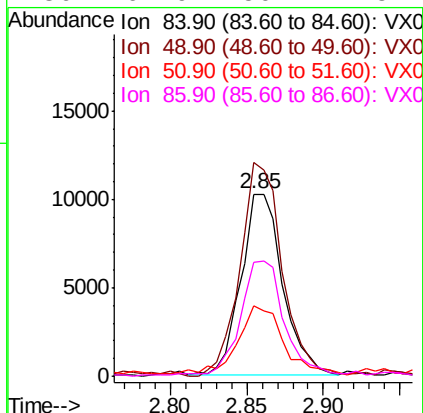
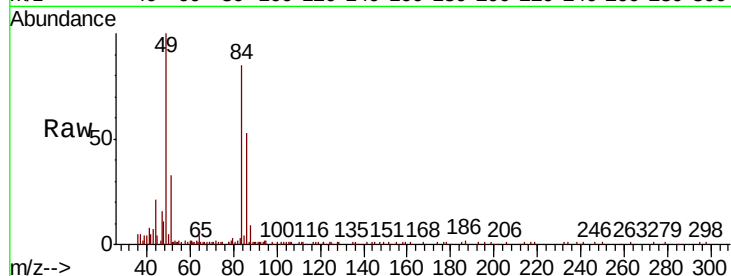




#20
Methylene Chloride
Concen: 2.647 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

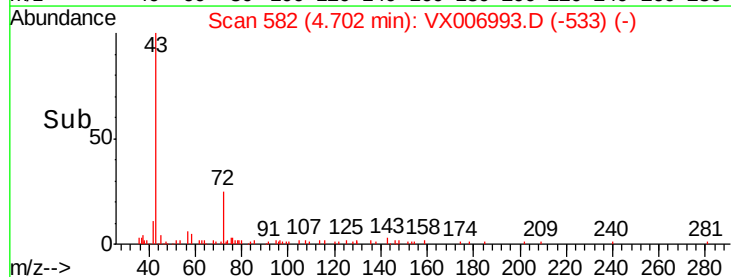
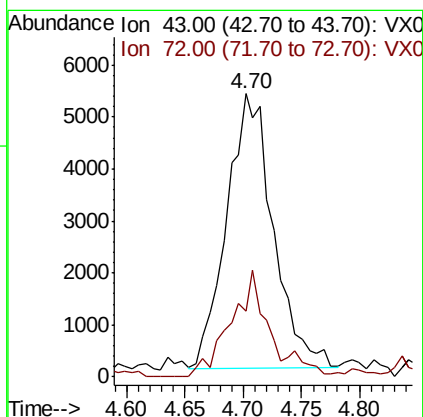
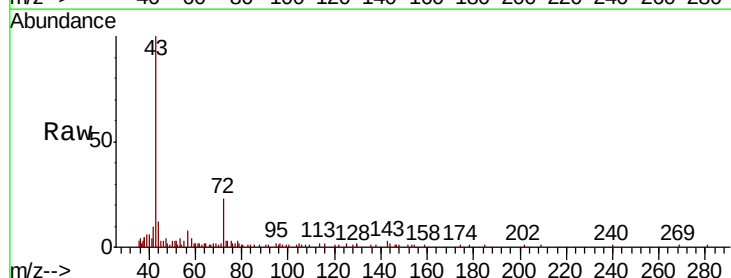
Instrument :
MSVOA_X
ClientSampleId :
TP-16

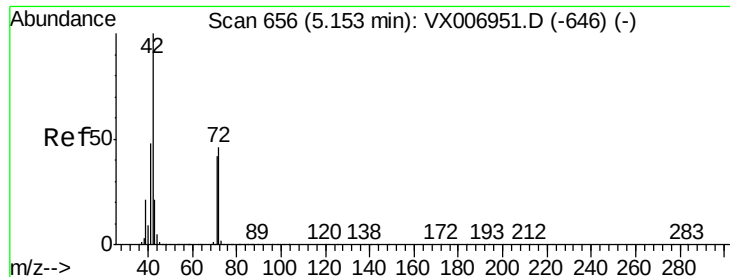
Tgt Ion:	84	Resp:	19298
Ion	Ratio	Lower	Upper
84	100		
49	117.0	91.8	137.6
51	37.0	28.5	42.7
86	61.9	50.2	75.2



#25
2-Butanone
Concen: 3.224 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion:	43	Resp:	14701
Ion	Ratio	Lower	Upper
43	100		
72	24.3	22.4	33.6





#29

Tetrahydrofuran

Concen: 1.537 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

TP-16

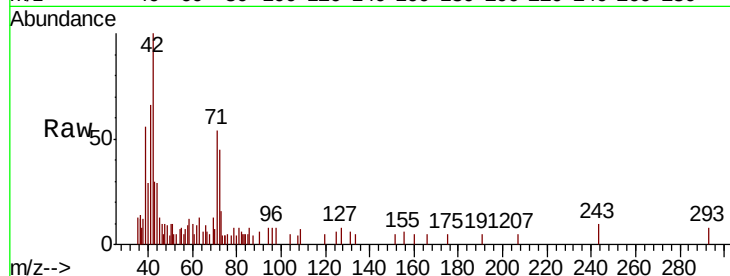
Tgt Ion: 42 Resp: 4554

Ion Ratio Lower Upper

42 100

72 43.7 38.9 58.3

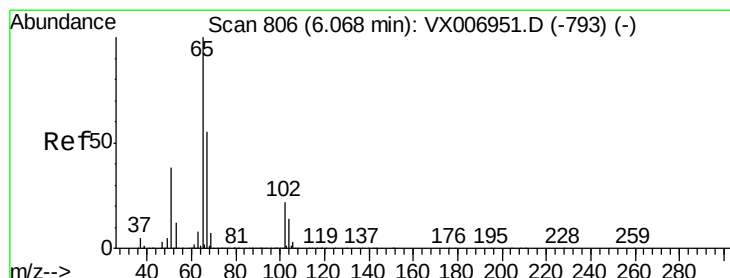
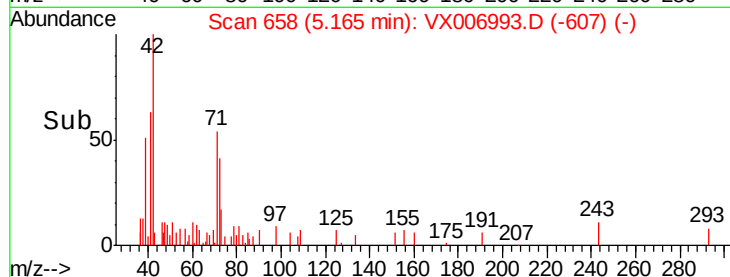
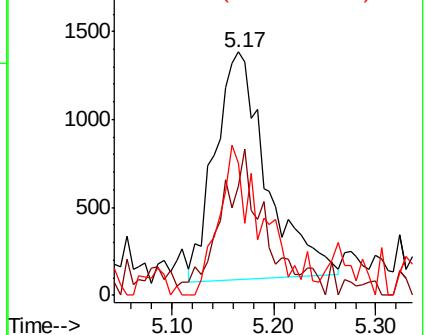
71 53.7 36.2 54.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.250 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006993.D

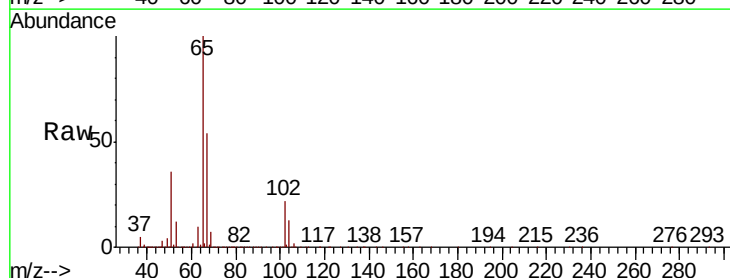
Acq: 10 Jan 2019 16:41

Tgt Ion: 65 Resp: 323967

Ion Ratio Lower Upper

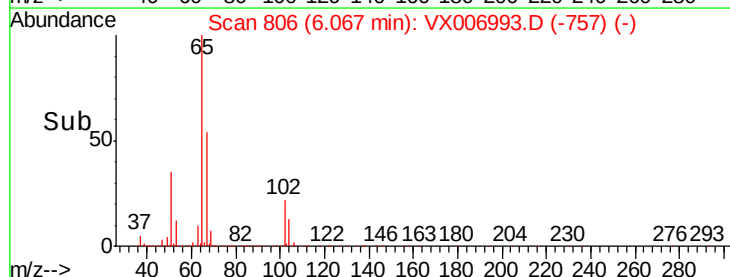
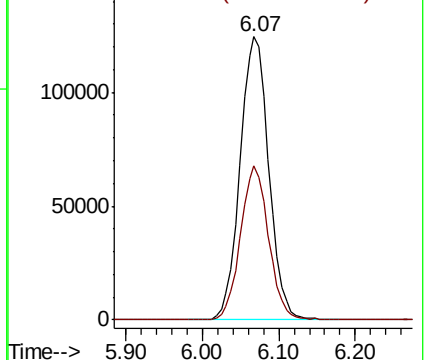
65 100

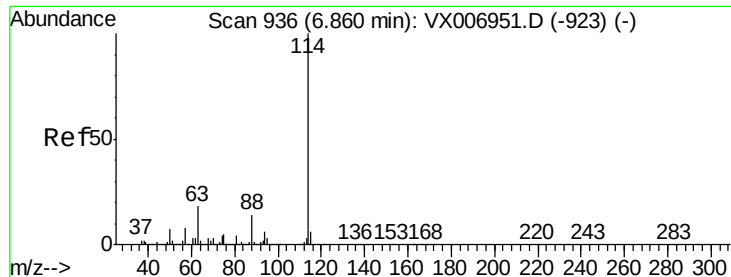
67 53.5 0.0 105.0



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: VX006993.D

Acq: 10 Jan 2019 16:41

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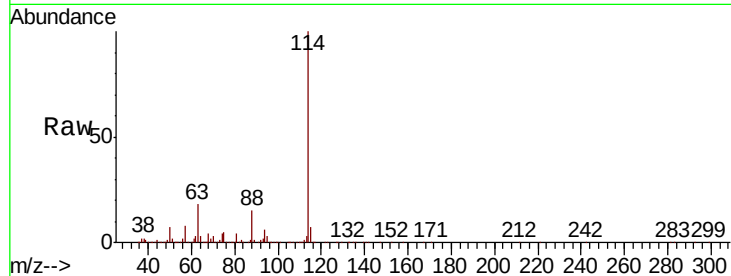
Tgt Ion:114 Resp: 942129

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

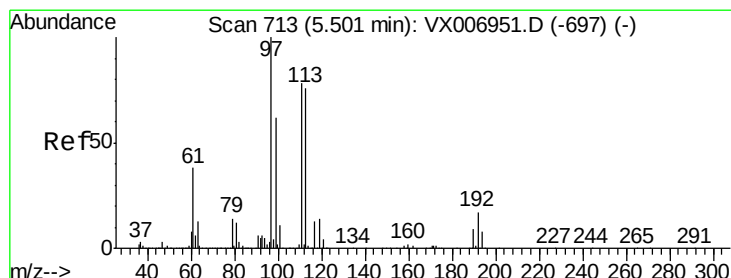
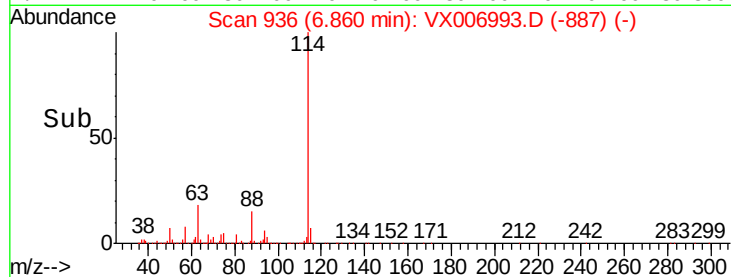
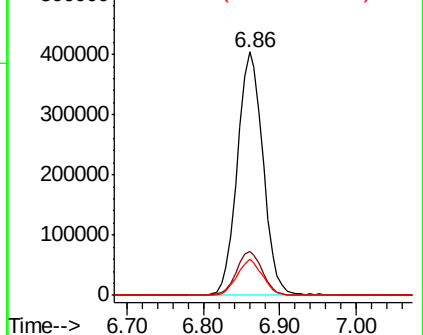
88 14.7 0.0 28.8



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: 47.625 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

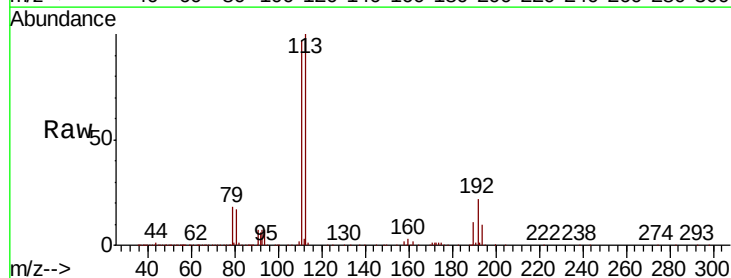
Tgt Ion:113 Resp: 287335

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

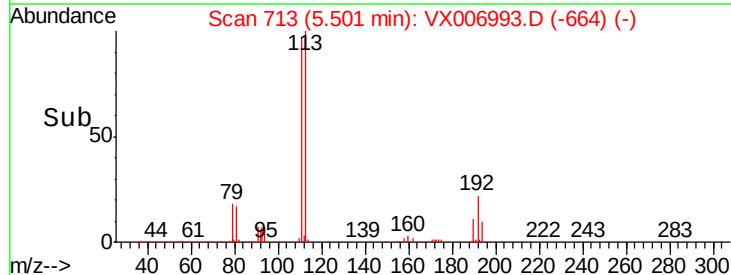
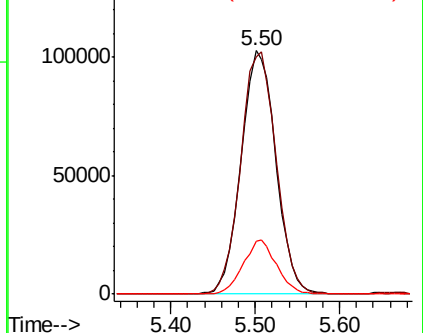
192 21.5 16.7 25.1

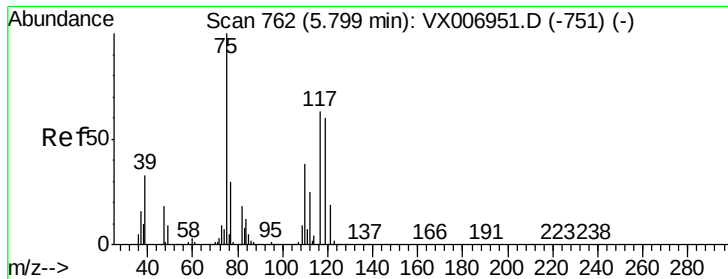


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.898 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

TP-16

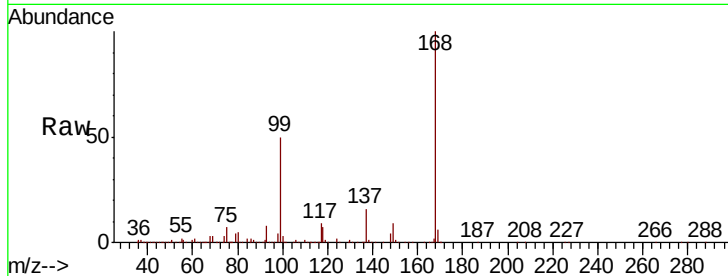
Tgt Ion: 75 Resp: 40123

Ion Ratio Lower Upper

75 100

110 8.9 20.2 60.5#

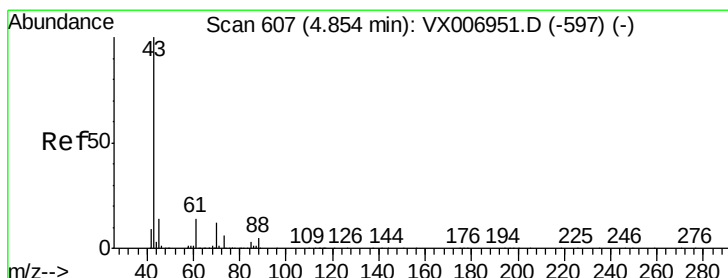
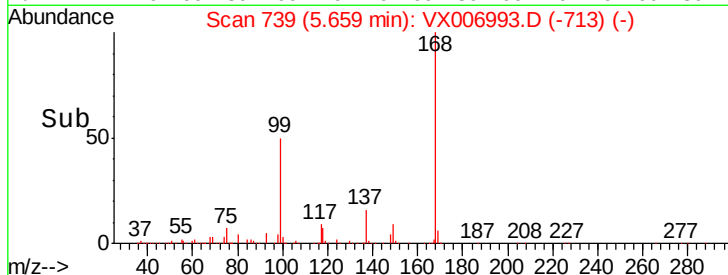
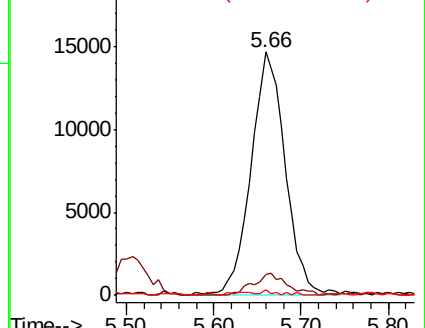
77 0.6 24.8 37.2#



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



#37

Ethyl Acetate

Concen: 1.674 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.15 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

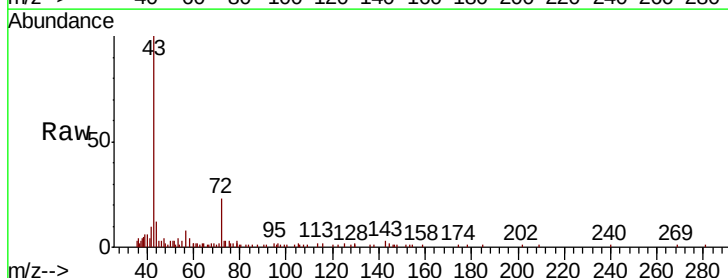
Tgt Ion: 43 Resp: 14701

Ion Ratio Lower Upper

43 100

61 1.2 11.9 17.9#

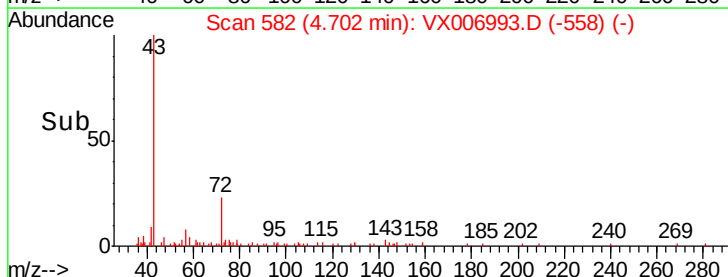
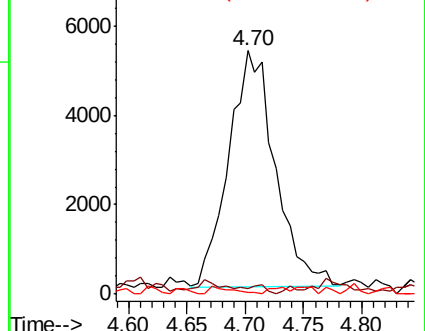
70 0.0 9.7 14.5#

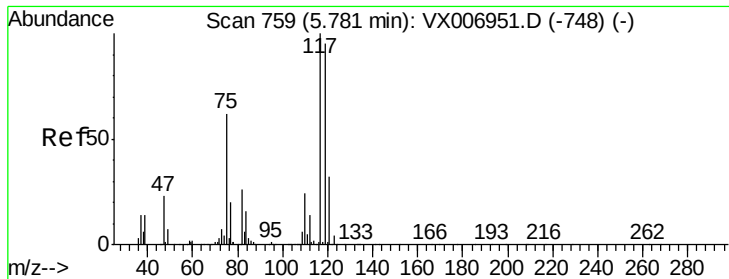


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

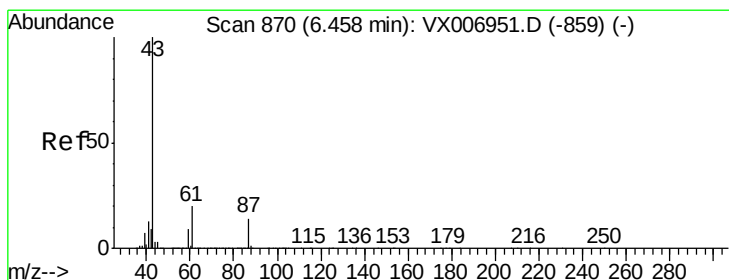
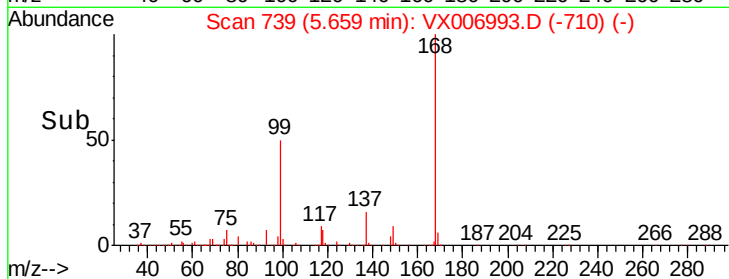
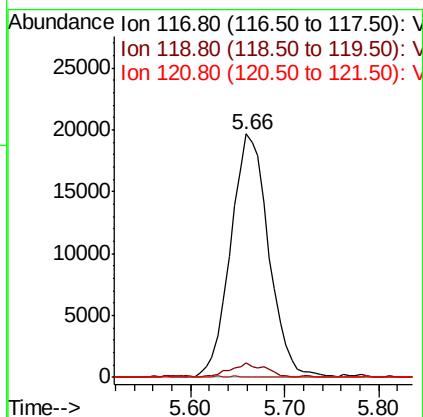
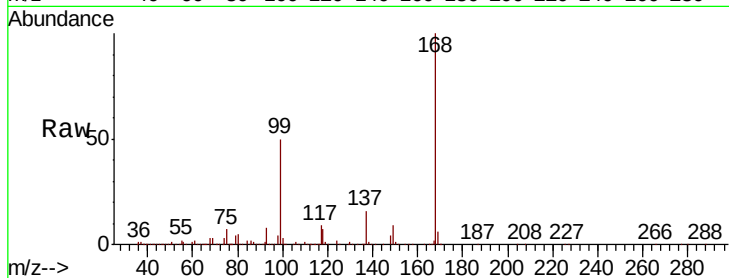




#38
Carbon Tetrachloride
Concen: 6.718 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

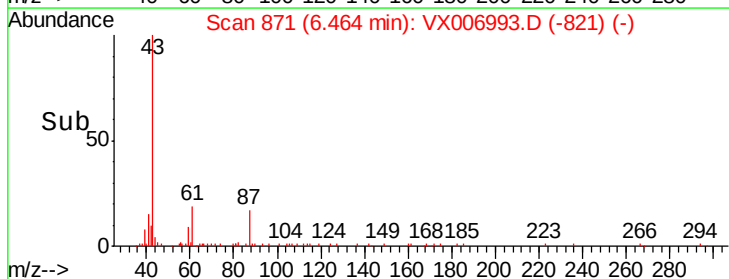
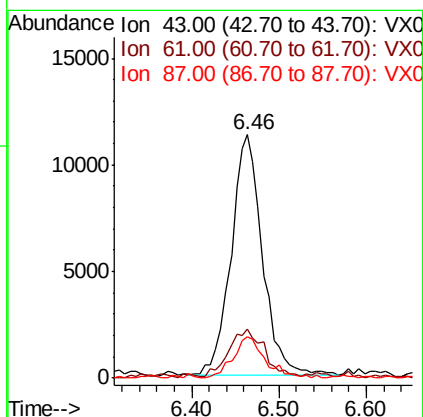
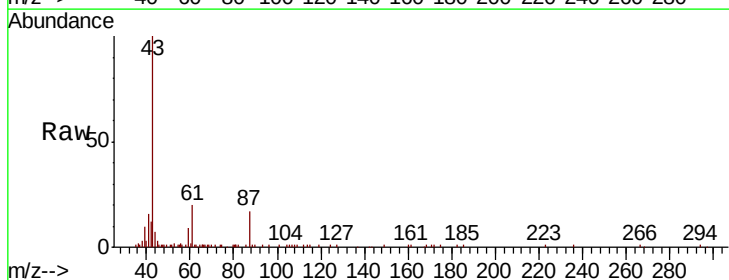
Instrument :
MSVOA_X
ClientSampled :
TP-16

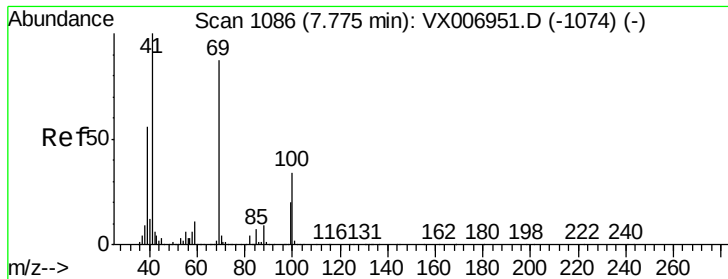
Tgt Ion:117 Resp: 55362
Ion Ratio Lower Upper
117 100
119 5.8 79.4 119.2#
121 0.0 24.0 36.0#



#43
Isopropyl Acetate
Concen: 2.014 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 43 Resp: 27900
Ion Ratio Lower Upper
43 100
61 22.1 16.8 25.2
87 17.7 12.4 18.6

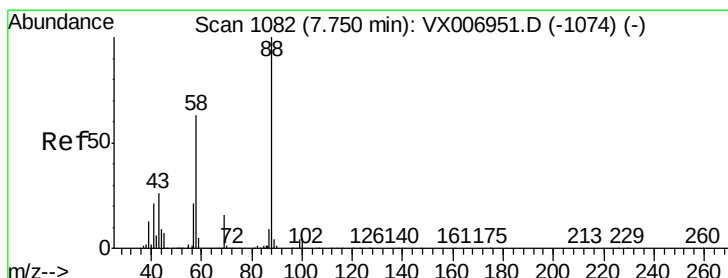
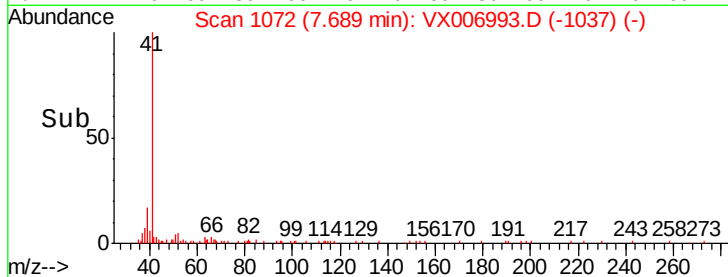
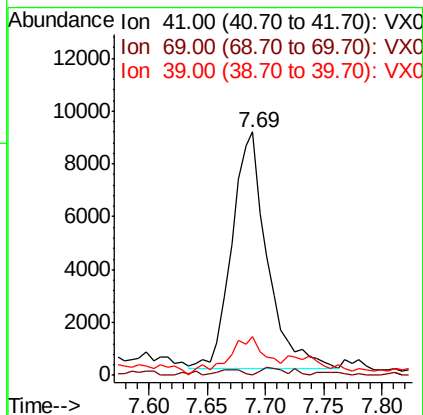
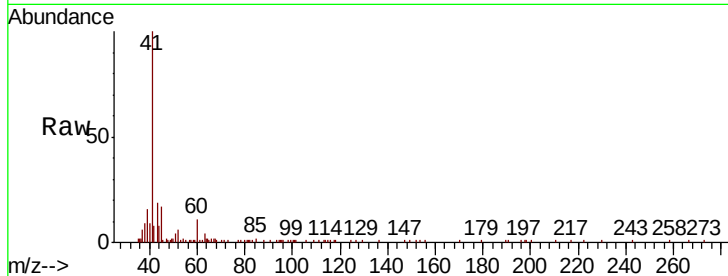




#48
Methyl methacrylate
Concen: 2.658 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

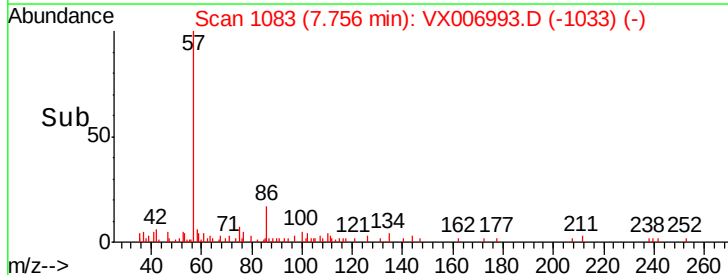
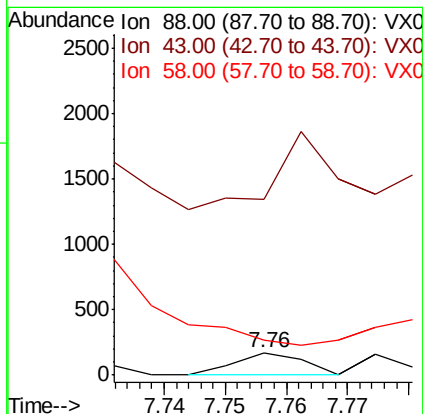
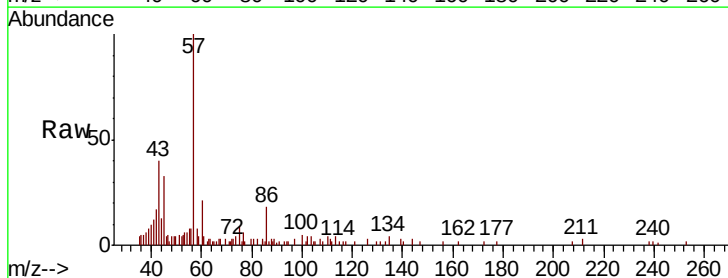
Instrument :
MSVOA_X
ClientSampleId :
TP-16

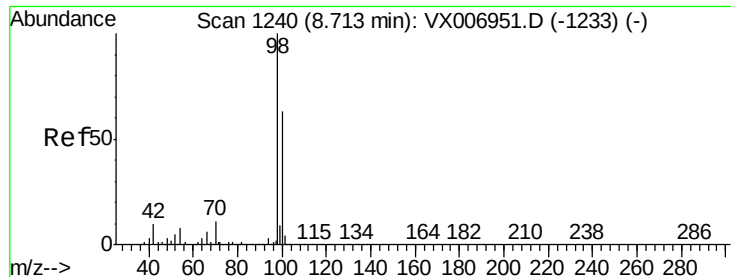
Tgt Ion: 41 Resp: 18905
Ion Ratio Lower Upper
41 100
69 2.5 72.4 108.6#
39 17.8 45.8 68.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 88 Resp: 130
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#

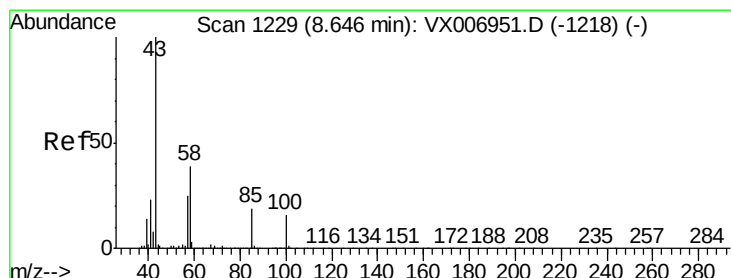
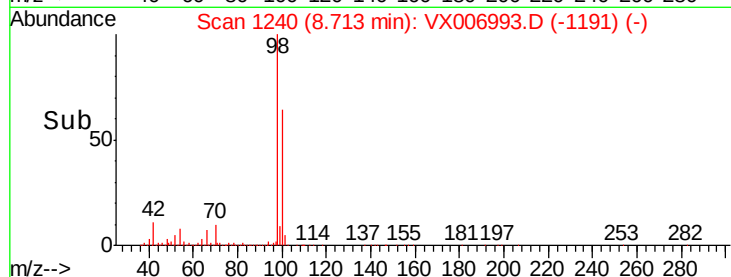
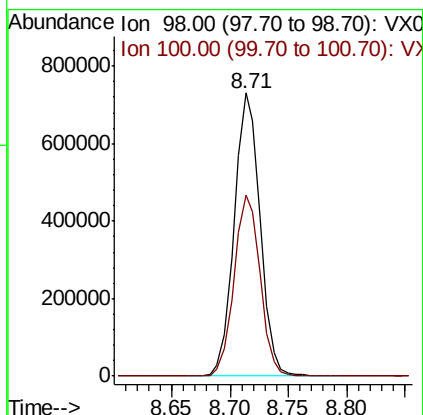
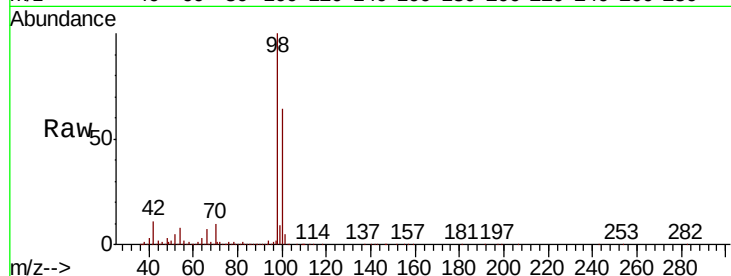




#50
Toluene-d8
Concen: 51.302 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

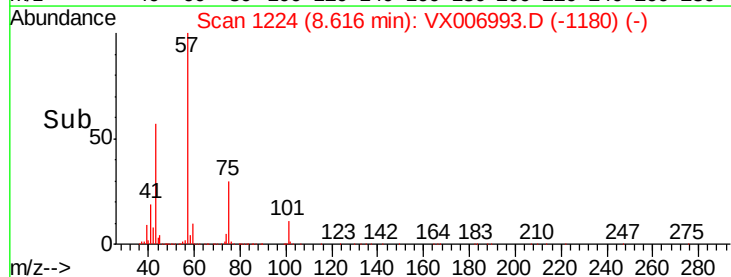
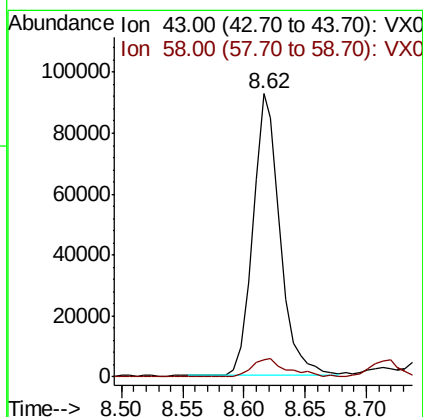
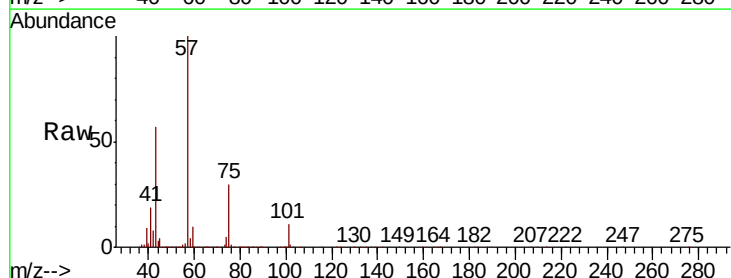
Instrument :
MSVOA_X
ClientSampleId :
TP-16

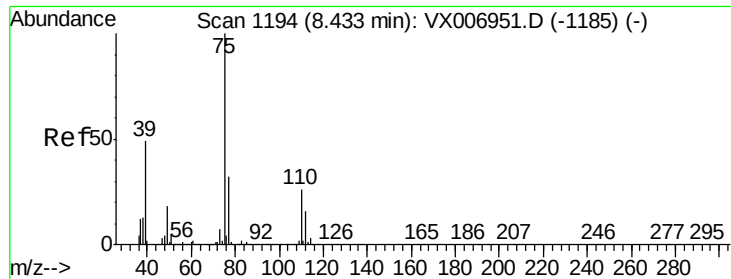
Tgt Ion: 98 Resp: 1132943
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 16.041 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.03 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 43 Resp: 142796
Ion Ratio Lower Upper
43 100
58 8.5 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 7.799 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

TP-16

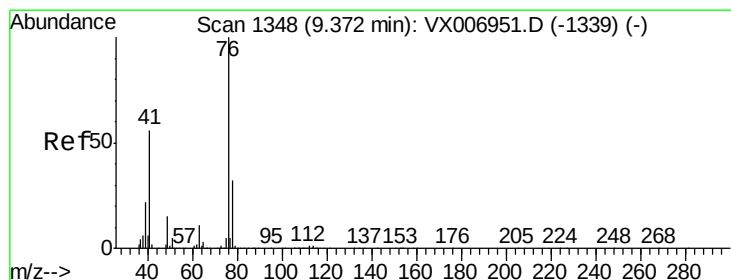
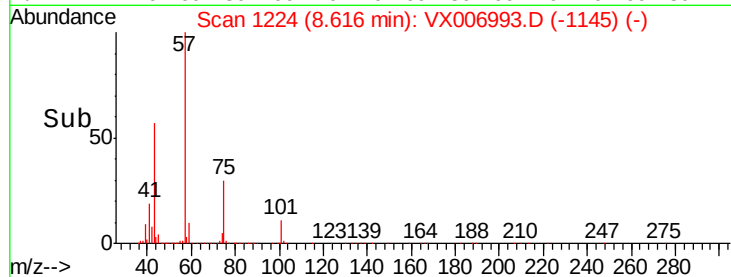
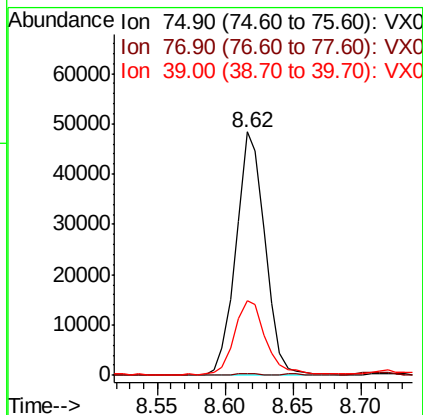
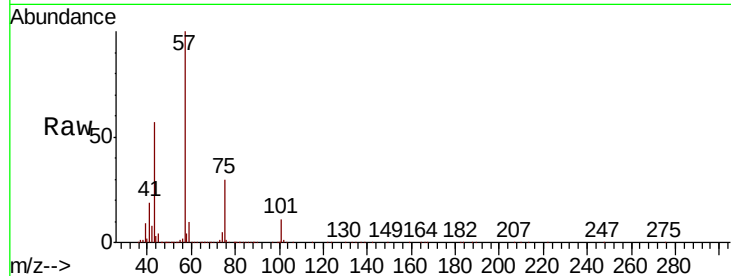
Tgt Ion: 75 Resp: 71784

Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 30.3 36.7 55.1#



#57

1,3-Dichloropropene

Concen: 1.452 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006993.D

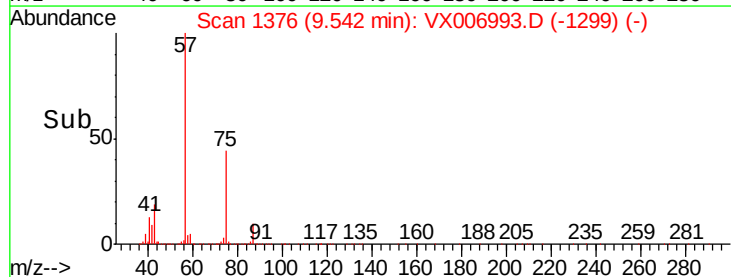
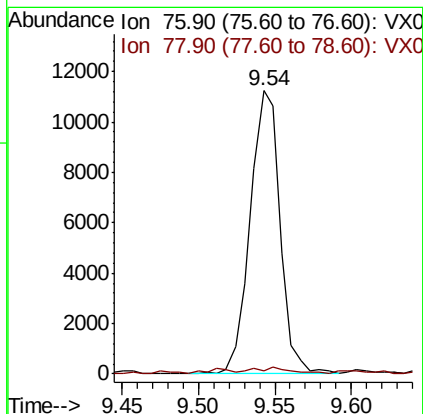
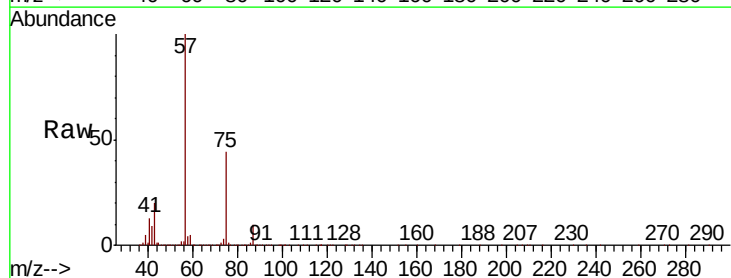
Acq: 10 Jan 2019 16:41

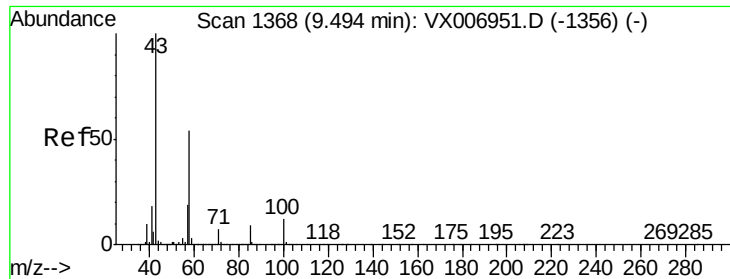
Tgt Ion: 76 Resp: 15290

Ion Ratio Lower Upper

76 100

78 3.0 26.0 39.0#

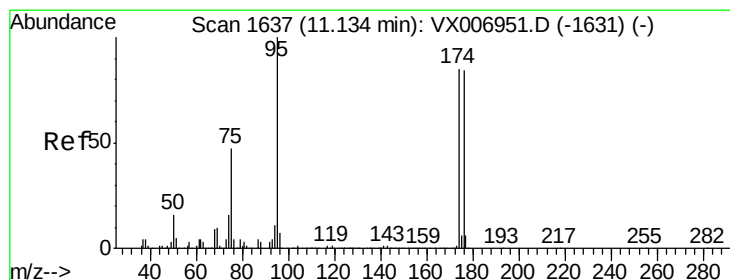
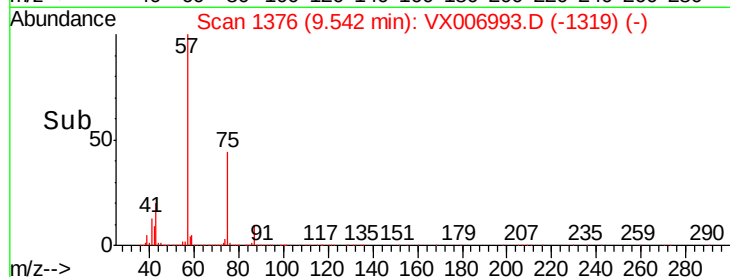
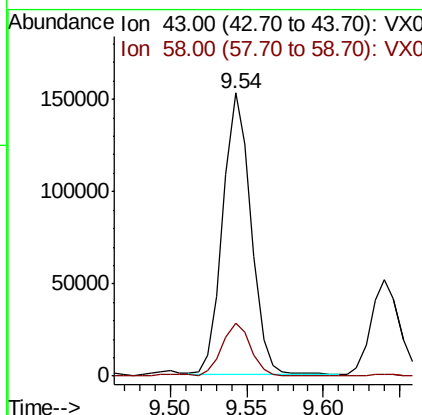
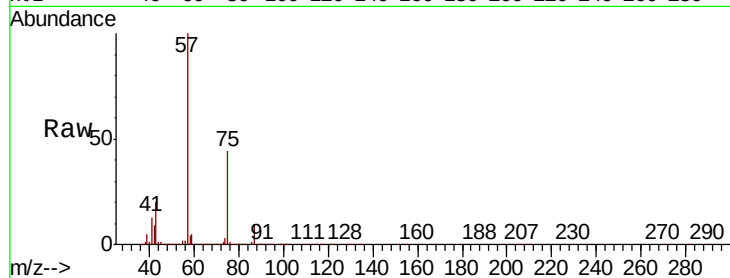




#59
2-Hexanone
Concen: 28.677 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

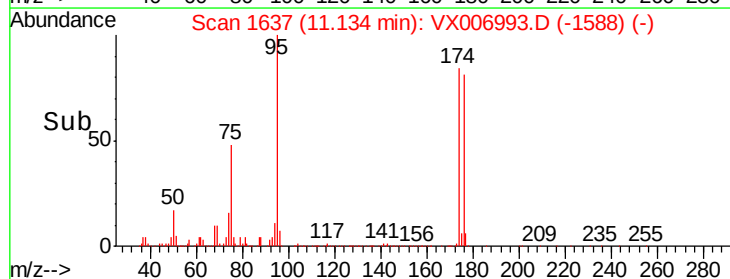
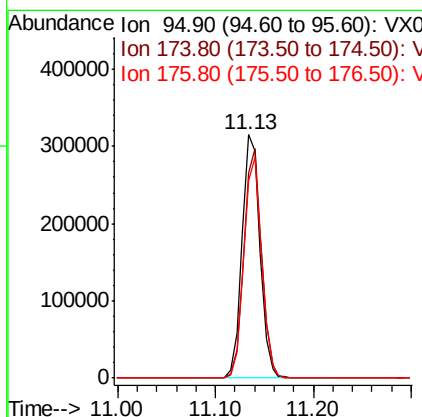
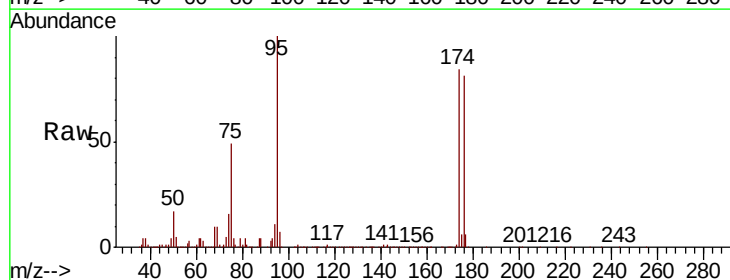
Instrument :
MSVOA_X
ClientSampleId :
TP-16

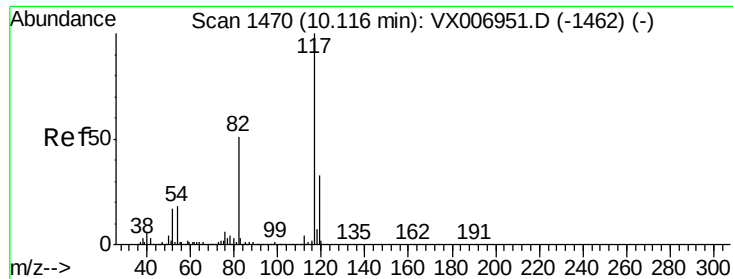
Tgt Ion: 43 Resp: 194535
Ion Ratio Lower Upper
43 100
58 19.4 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 52.194 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion: 95 Resp: 401842
Ion Ratio Lower Upper
95 100
174 92.7 0.0 182.2
176 89.8 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: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

TP-16

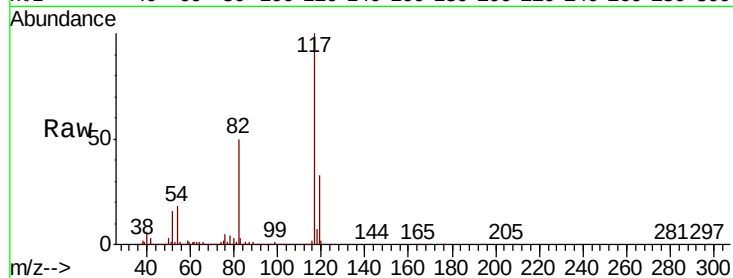
Tgt Ion:117 Resp: 891752

Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.6

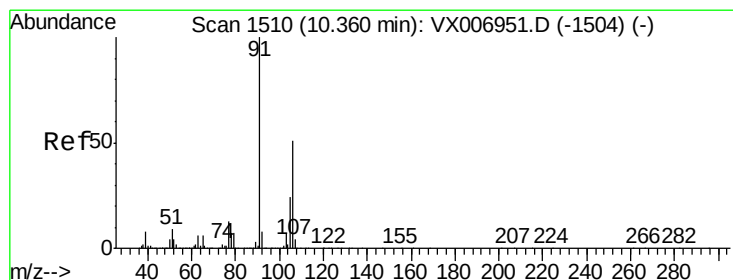
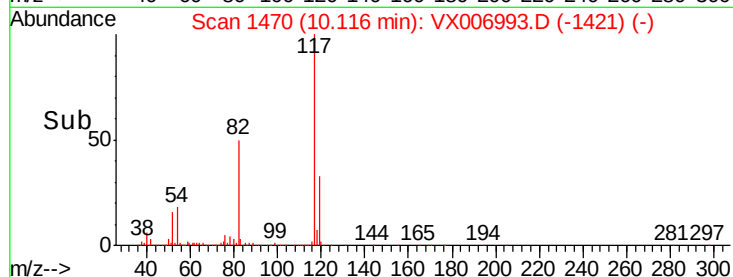
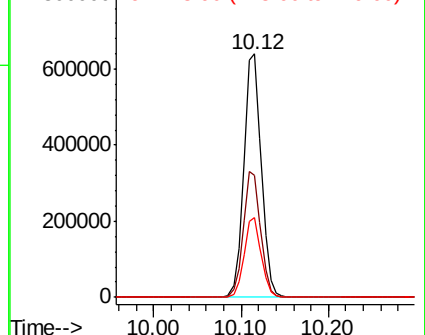
119 33.0 25.4 38.0



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



#68

m/p-Xylenes

Concen: 0.672 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006993.D

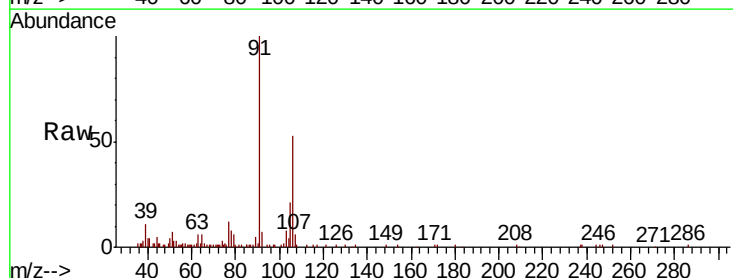
Acq: 10 Jan 2019 16:41

Tgt Ion:106 Resp: 8500

Ion Ratio Lower Upper

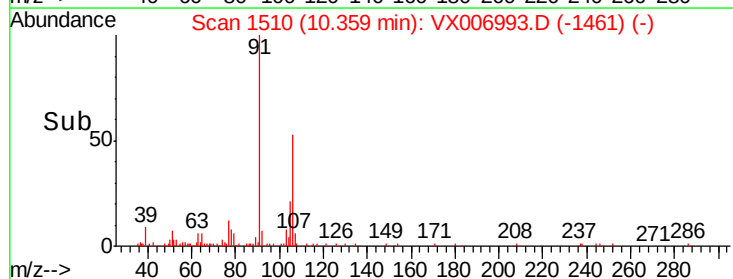
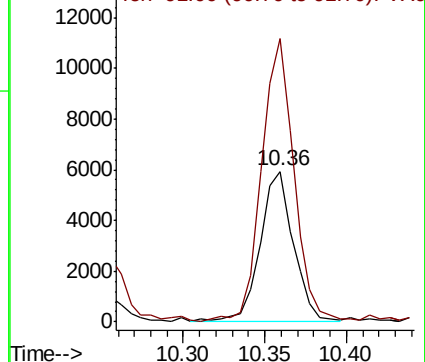
106 100

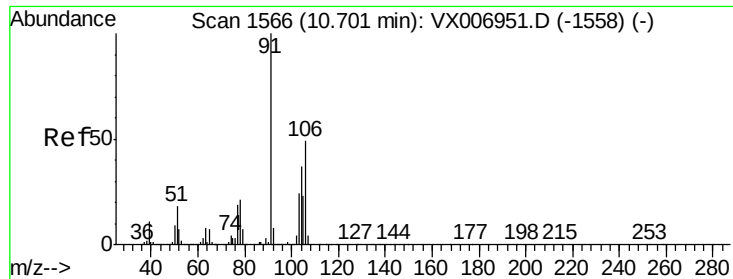
91 182.6 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

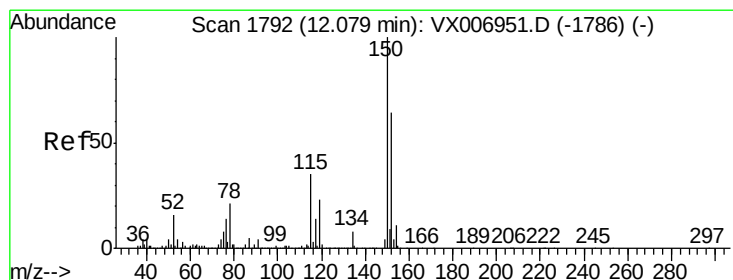
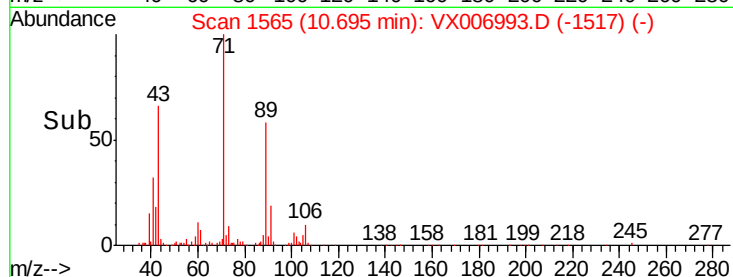
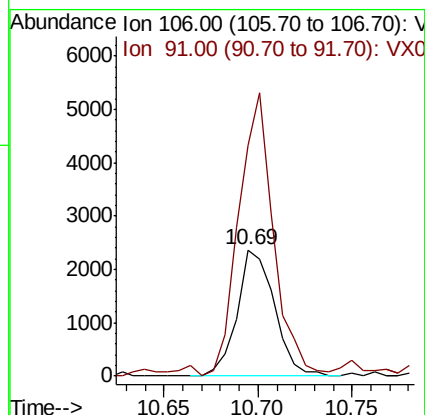
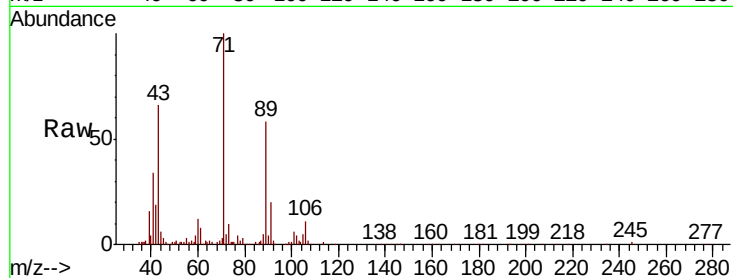




#69
o-Xylene
Concen: 0.264 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

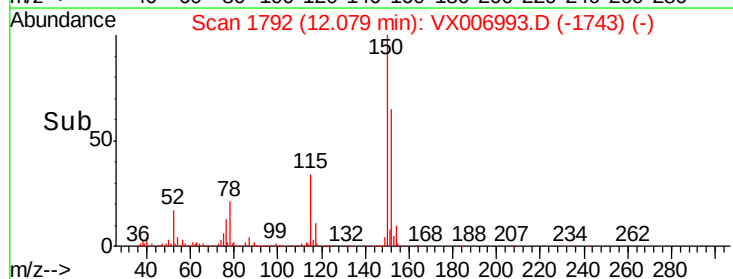
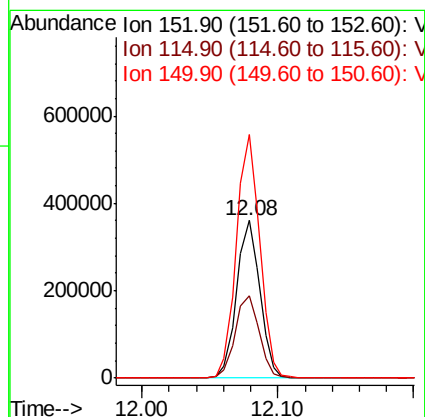
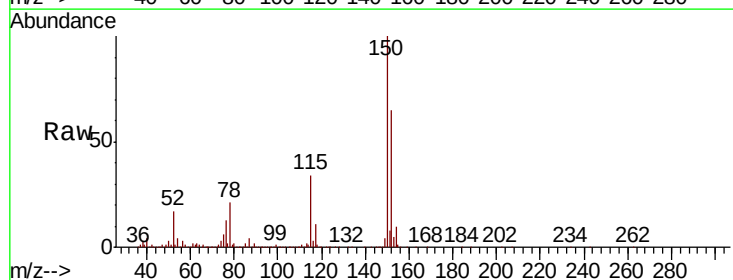
Instrument :
MSVOA_X
ClientSampleId :
TP-16

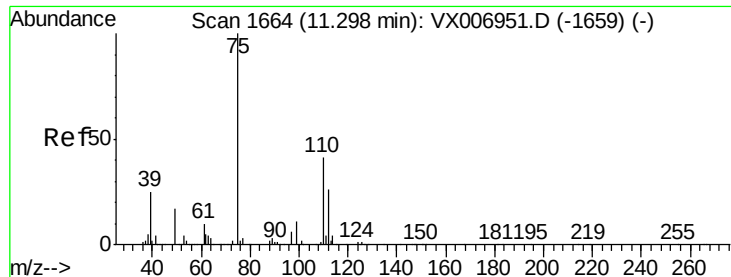
Tgt Ion:106 Resp: 3258
Ion Ratio Lower Upper
106 100
91 201.1 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006993.D
Acq: 10 Jan 2019 16:41

Tgt Ion:152 Resp: 430080
Ion Ratio Lower Upper
152 100
115 54.2 39.1 117.2
150 155.3 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 22.072 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

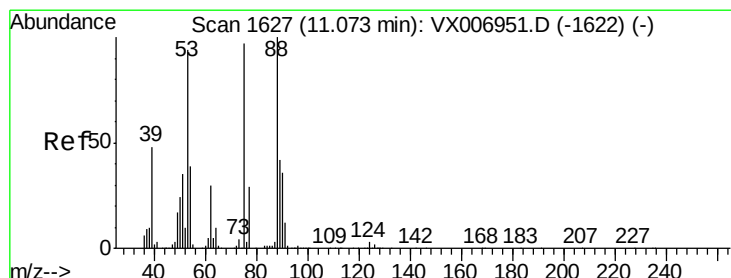
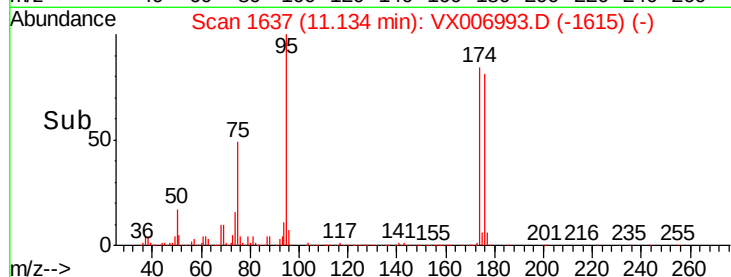
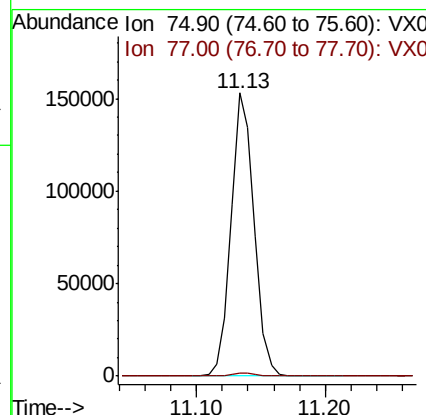
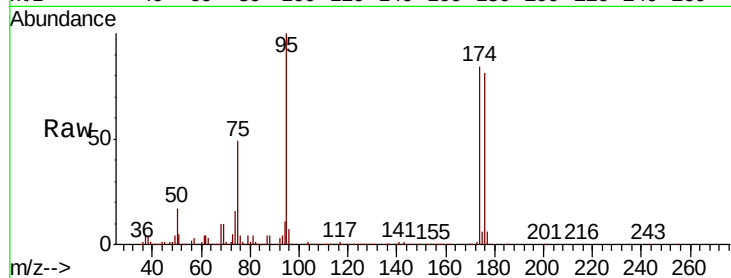
TP-16

Tgt Ion: 75 Resp: 192362

Ion Ratio Lower Upper

75 100

77 1.3 18.5 55.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.352 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

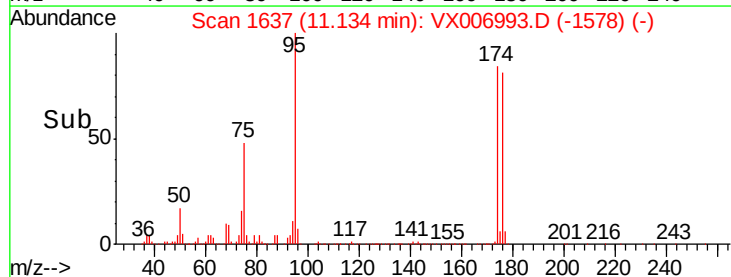
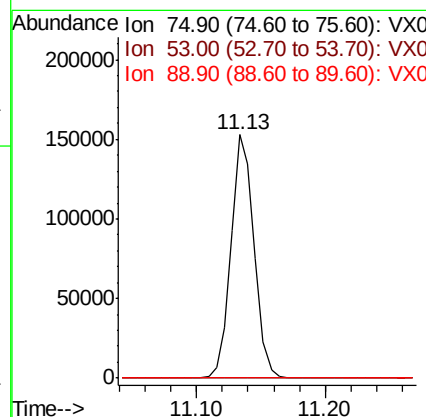
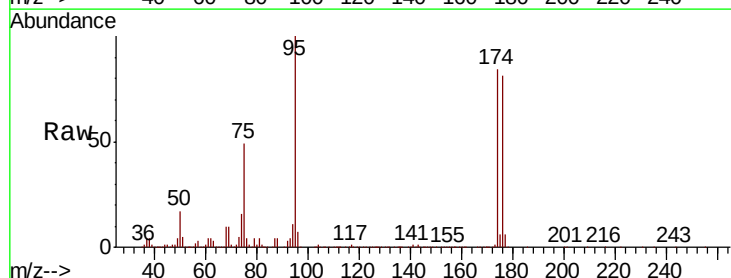
Tgt Ion: 75 Resp: 192362

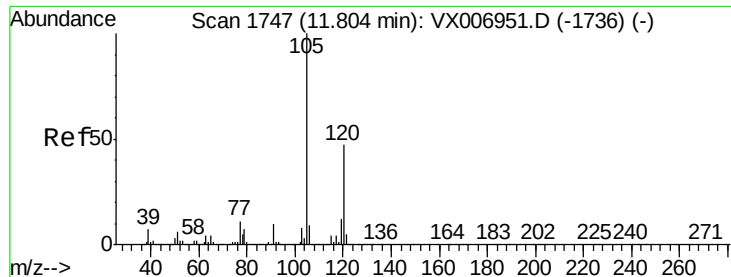
Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

89 0.1 38.0 57.0#





#84

1,2,4-Trimethylbenzene

Concen: 0.328 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampled :

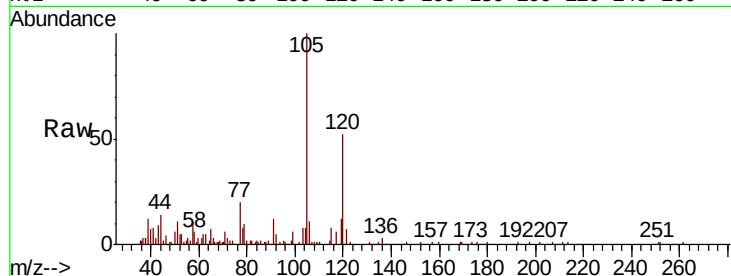
TP-16

Tgt Ion:105 Resp: 8353

Ion Ratio Lower Upper

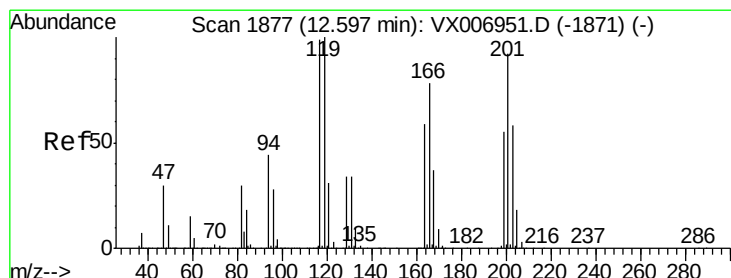
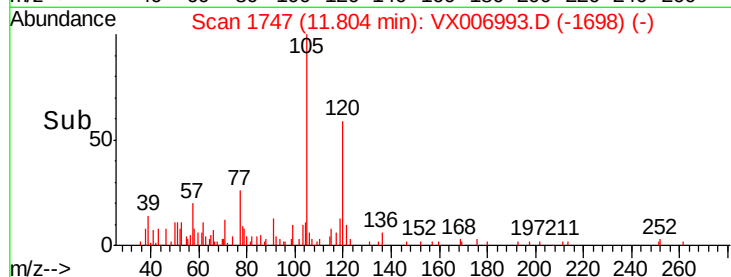
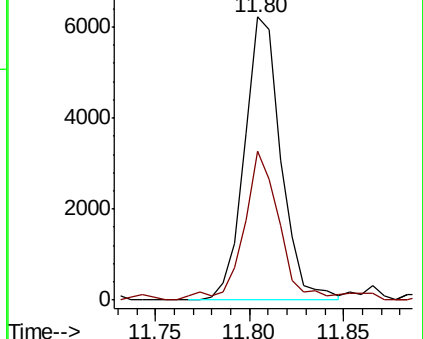
105 100

120 51.2 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 3.008 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX006993.D

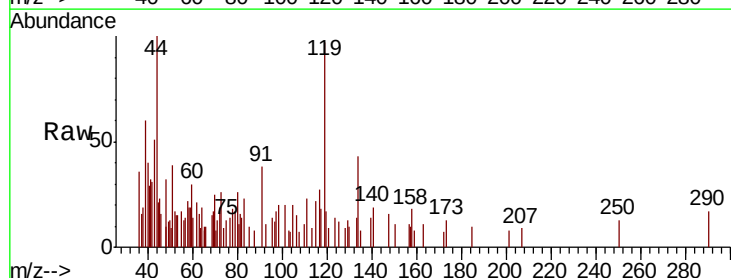
Acq: 10 Jan 2019 16:41

Tgt Ion:117 Resp: 457

Ion Ratio Lower Upper

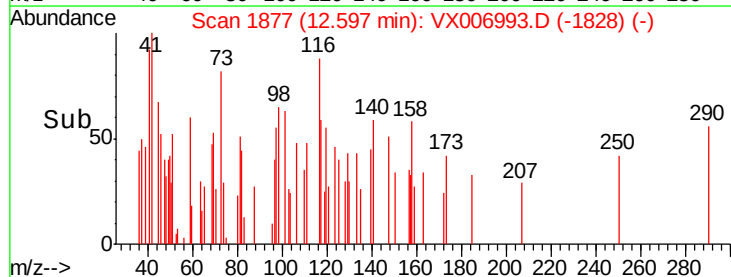
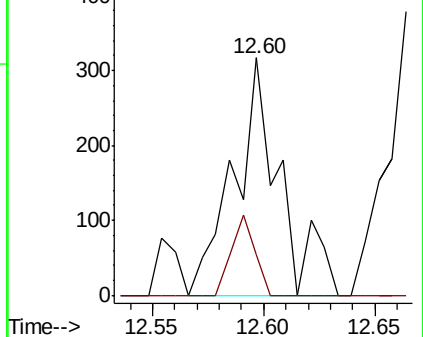
117 100

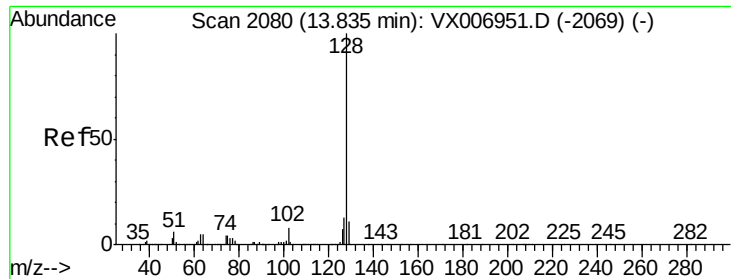
201 17.1 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 0.670 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006993.D

Acq: 10 Jan 2019 16:41

Instrument :

MSVOA_X

ClientSampleId :

TP-16

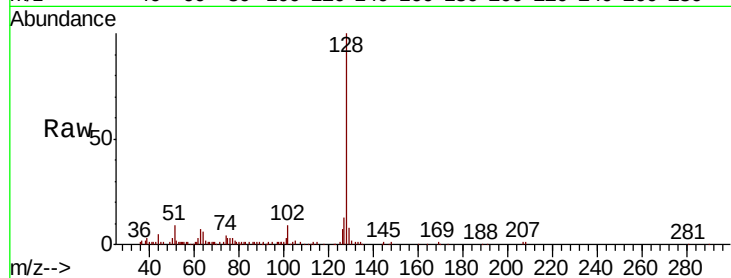
Tgt Ion:128 Resp: 20761

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.0 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

