

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001422.D
 Acq On : 05 May 2018 17:01
 Operator : JC/MD
 Sample : J2703-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: May 06 08:04:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	338537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139179	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162124	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	
35) Dibromofluoromethane	5.51	113	126987	42.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.34%	
50) Toluene-d8	8.72	98	455574	41.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.90%	
62) 4-Bromofluorobenzene	11.14	95	141401	33.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.02%	

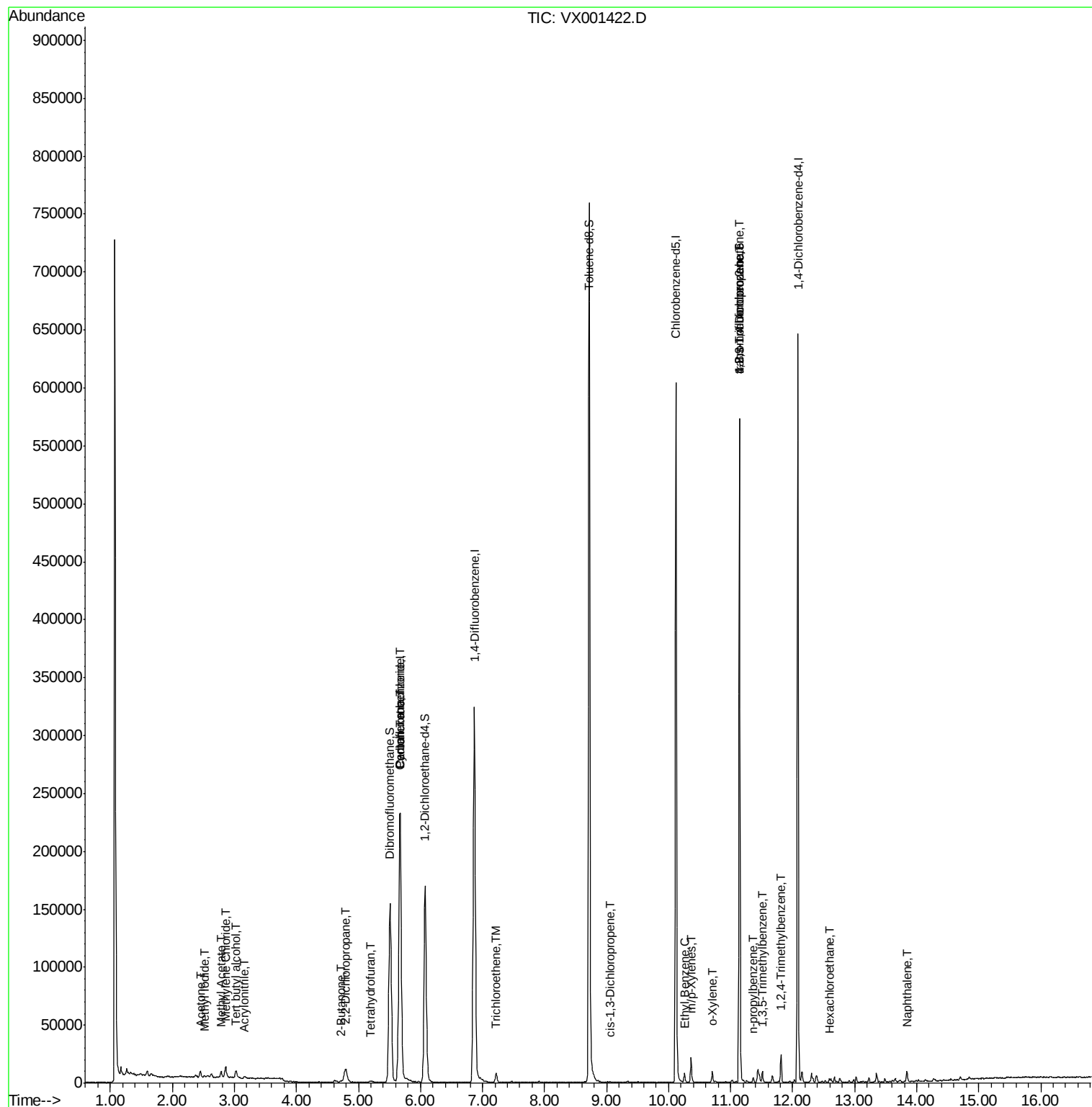
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1844	Below Cal		98
10) Methyl Iodide	2.52	142	1213	0.28 ug/l	#	86
11) Tert butyl alcohol	3.03	59	3707	4.84 ug/l	#	80
13) Acrolein	2.31	56	64	Below Cal	#	49
15) Acrylonitrile	3.15	53	427	0.25 ug/l	#	72
16) Acetone	2.45	43	6332	3.83 ug/l		96
18) Methyl Acetate	2.79	43	5947	1.37 ug/l		99
20) Methylene Chloride	2.85	84	4303	1.32 ug/l		94
25) 2-Butanone	4.72	43	2433	1.02 ug/l		98
26) 2,2-Dichloropropane	4.79	77	1053	0.25 ug/l	#	53
29) Tetrahydrofuran	5.20	42	748	0.49 ug/l	#	70
31) Cyclohexane	5.66	56	4628	0.99 ug/l	#	28
38) Carbon Tetrachloride	5.67	117	22119	4.82 ug/l	#	18
44) Trichloroethene	7.22	130	2772	0.72 ug/l		90
54) cis-1,3-Dichloropropene	9.05	75	136	2.29 ug/l	#	27
67) Ethyl Benzene	10.26	91	4153	0.30 ug/l		93
68) m/p-Xylenes	10.37	106	5258	0.96 ug/l		99
69) o-Xylene	10.71	106	2047	0.38 ug/l		94
76) 1,2,3-Trichloropropane	11.14	75	71806	25.44 ug/l	#	38
78) n-propylbenzene	11.37	91	2353	0.22 ug/l		93
80) 1,3,5-Trimethylbenzene	11.51	105	3850	0.48 ug/l		94
81) trans-1,4-Dichloro-2-buten	11.14	75	71806	78.44 ug/l	#	7
84) 1,2,4-Trimethylbenzene	11.81	105	10354	1.26 ug/l		99
90) Hexachloroethane	12.59	117	279	0.21 ug/l	#	1
95) Naphthalene	13.84	128	5517	0.54 ug/l	#	93

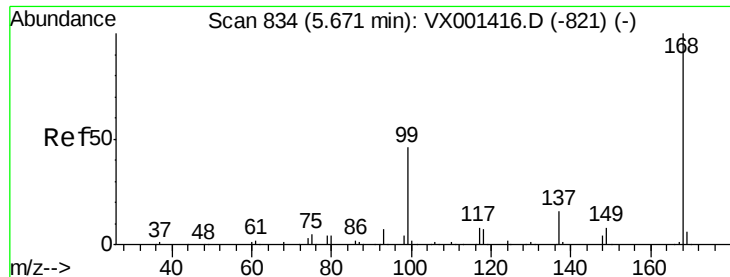
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 06 08:04:54 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

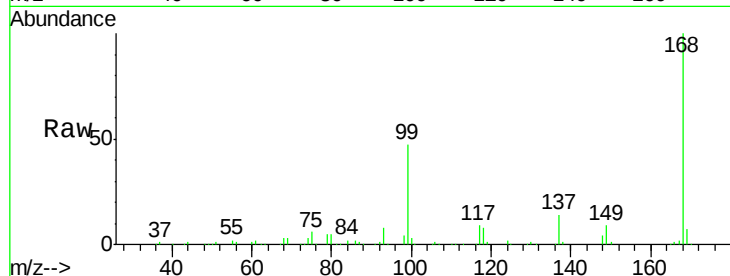
TP-1

Tgt Ion:168 Resp: 252993

Ion Ratio Lower Upper

168 100

99 47.5 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

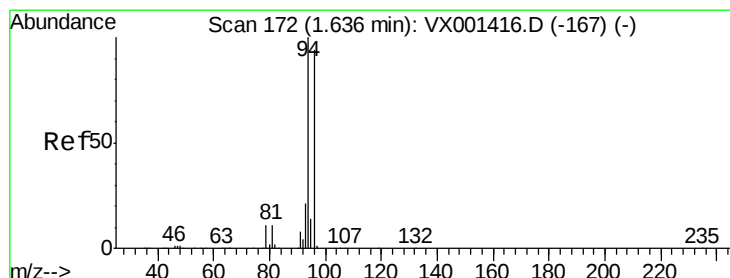
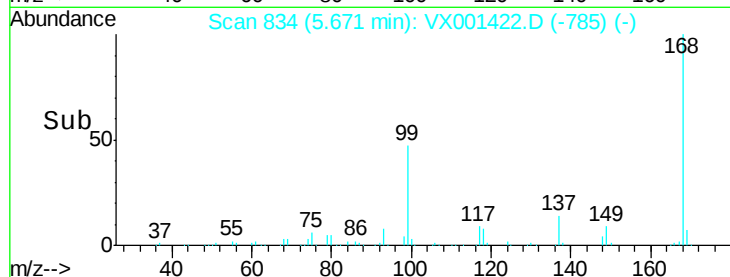
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001422.D

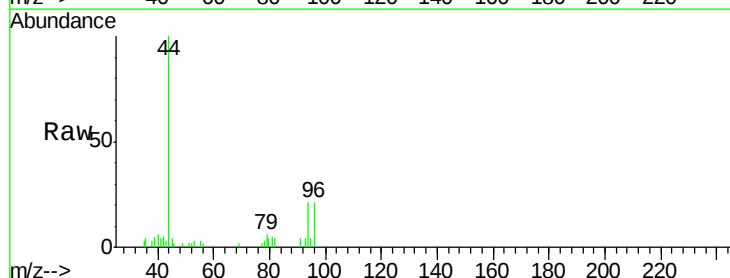
Acq: 05 May 2018 17:01

Tgt Ion: 94 Resp: 1844

Ion Ratio Lower Upper

94 100

96 95.7 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

800

600

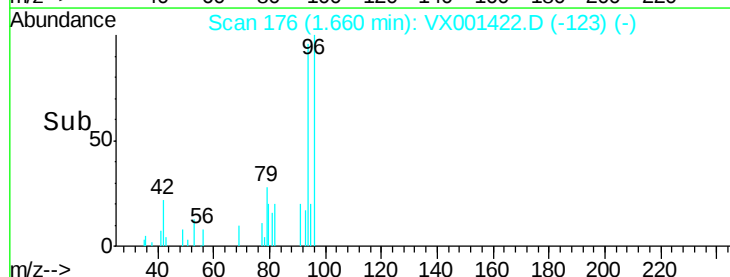
400

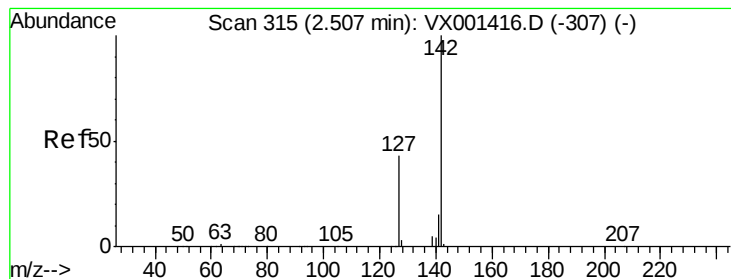
200

0

1.60 1.65 1.70 1.75

Time-->





#10

Methyl Iodide

Concen: 0.28 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampled :

TP-1

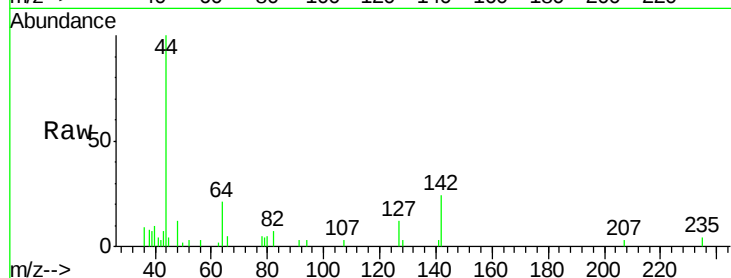
Tgt Ion:142 Resp: 1213

Ion Ratio Lower Upper

142 100

127 50.0 33.6 50.4

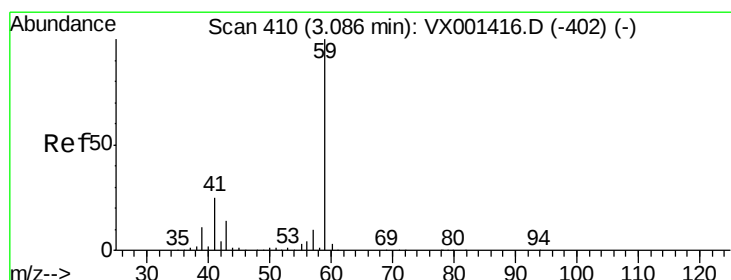
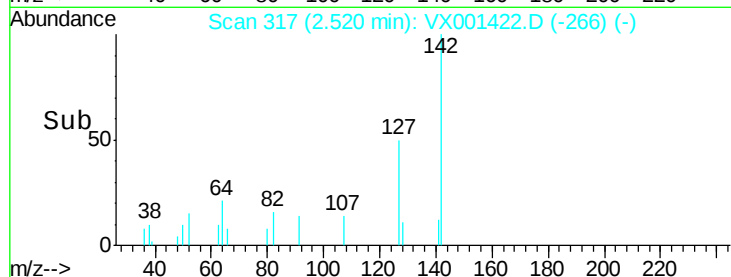
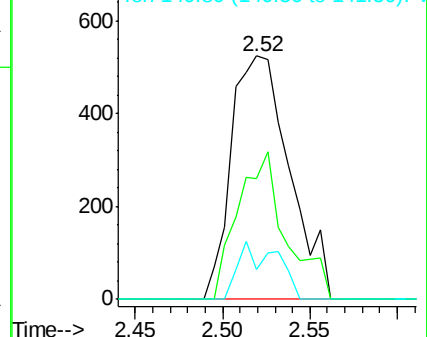
141 7.6 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.84 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001422.D

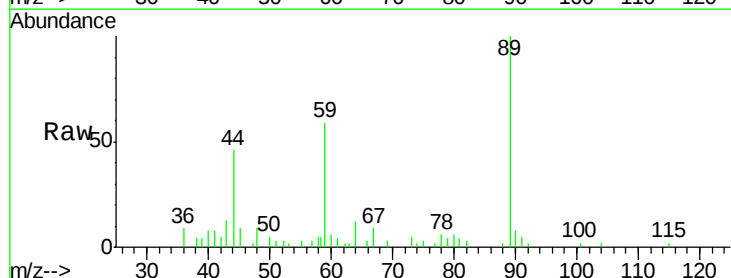
Acq: 05 May 2018 17:01

Tgt Ion: 59 Resp: 3707

Ion Ratio Lower Upper

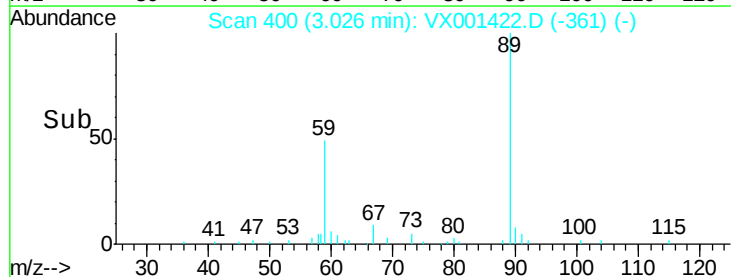
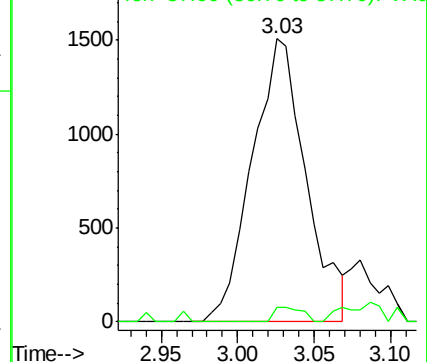
59 100

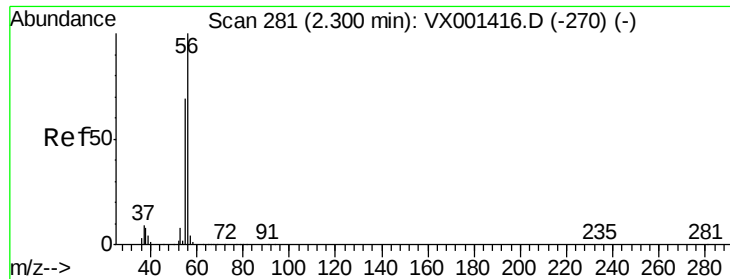
57 2.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

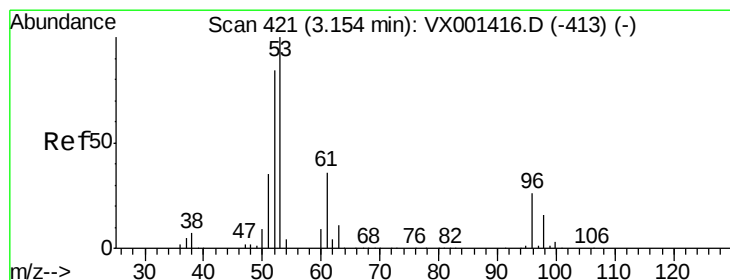
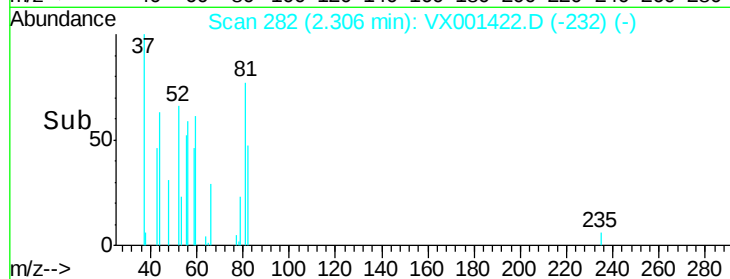
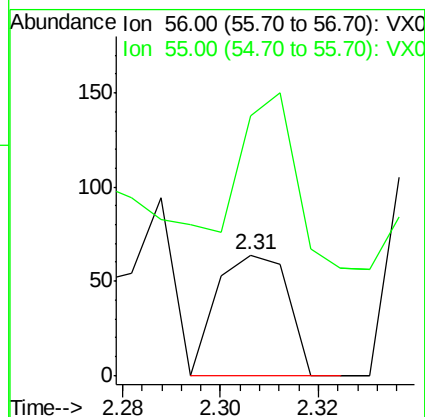
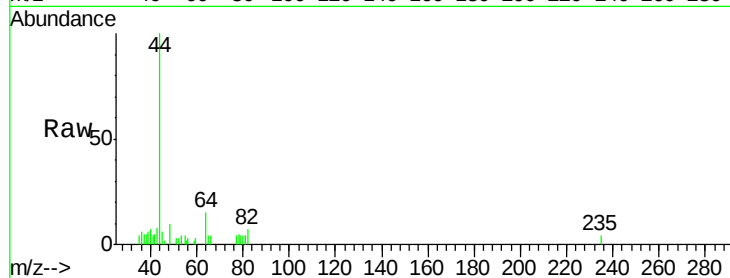
TP-1

Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 109.4 54.5 81.7#



#15

Acrylonitrile

Concen: 0.25 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

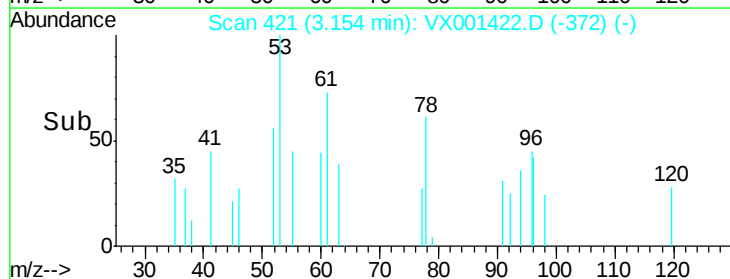
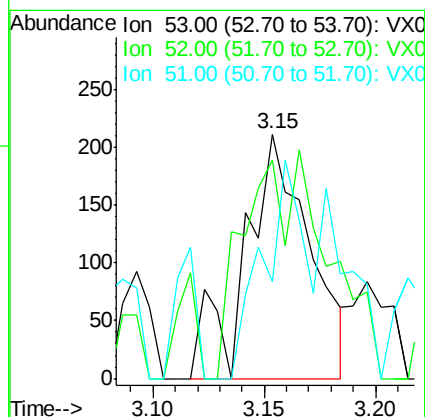
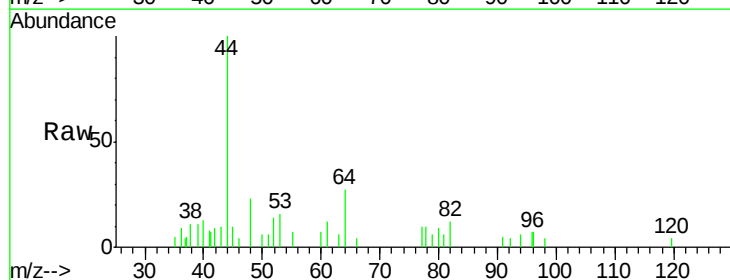
Tgt Ion: 53 Resp: 427

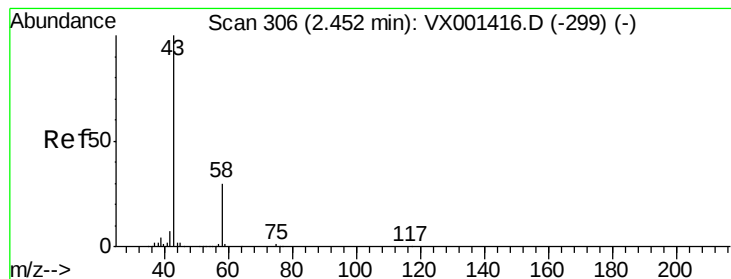
Ion Ratio Lower Upper

53 100

52 61.6 66.2 99.2#

51 57.4 28.6 43.0#





#16

Acetone

Concen: 3.83 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampled :

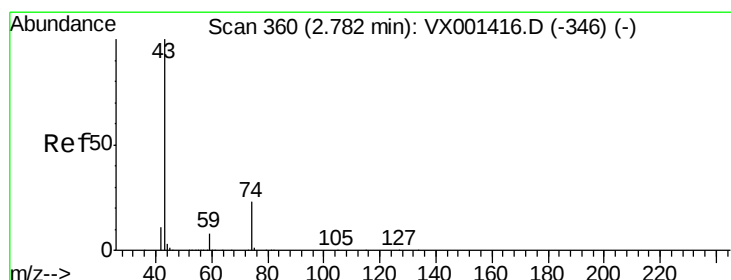
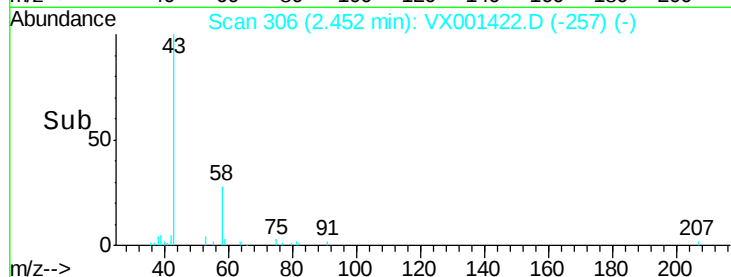
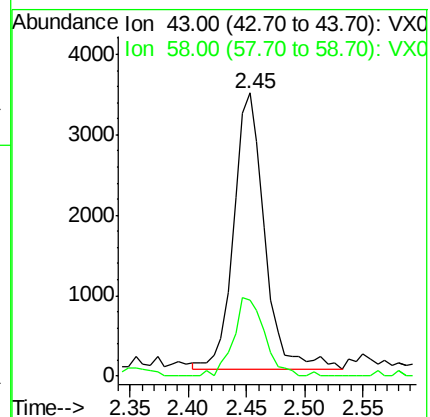
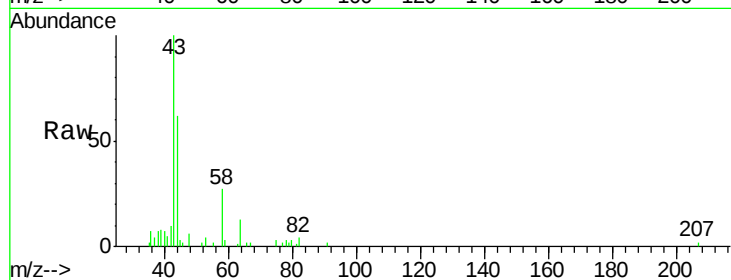
TP-1

Tgt Ion: 43 Resp: 6332

Ion Ratio Lower Upper

43 100

58 27.6 23.8 35.8



#18

Methyl Acetate

Concen: 1.37 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001422.D

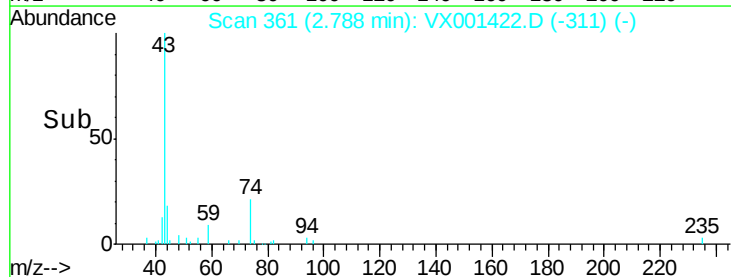
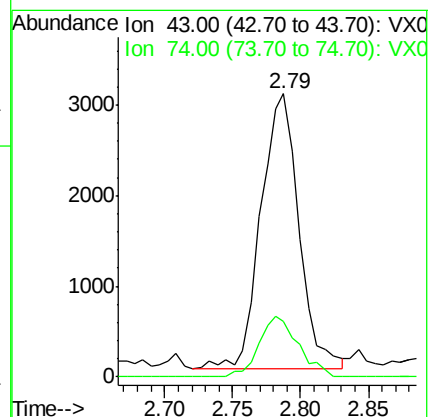
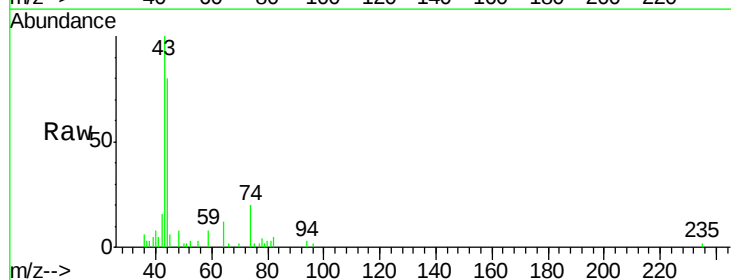
Acq: 05 May 2018 17:01

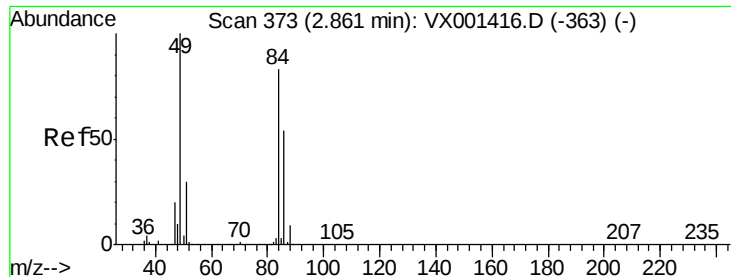
Tgt Ion: 43 Resp: 5947

Ion Ratio Lower Upper

43 100

74 22.8 18.6 27.8





#20

Methylene Chloride

Concen: 1.32 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 4303

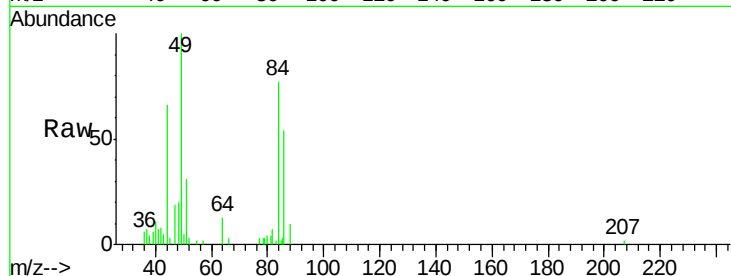
Ion Ratio Lower Upper

84 100

49 129.5 96.6 144.8

51 35.5 29.0 43.4

86 69.4 52.2 78.4

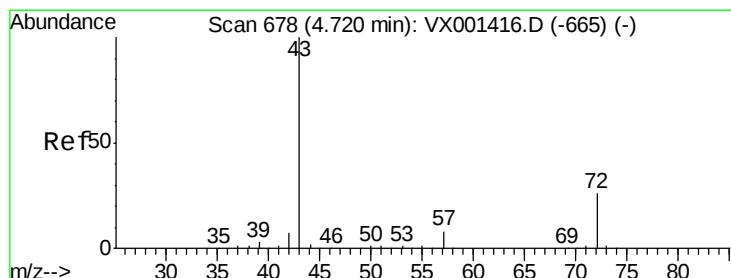
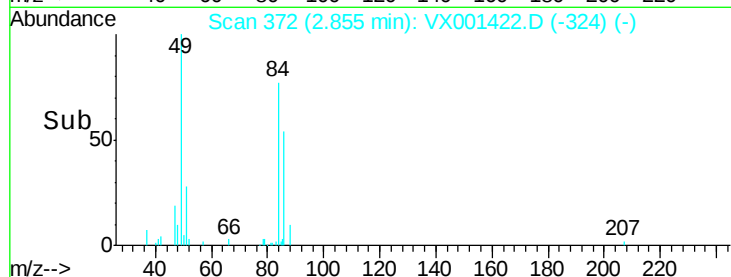
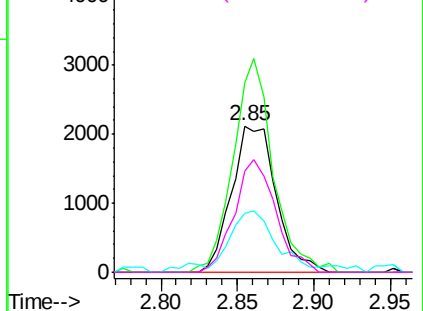


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.02 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001422.D

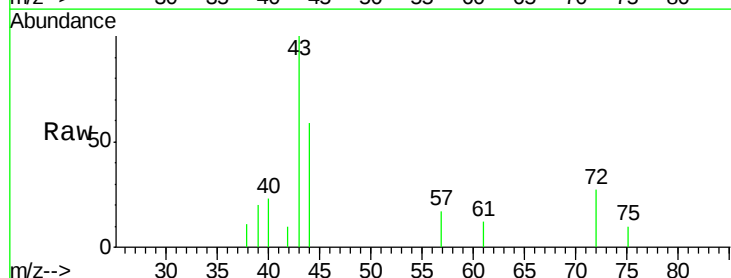
Acq: 05 May 2018 17:01

Tgt Ion: 43 Resp: 2433

Ion Ratio Lower Upper

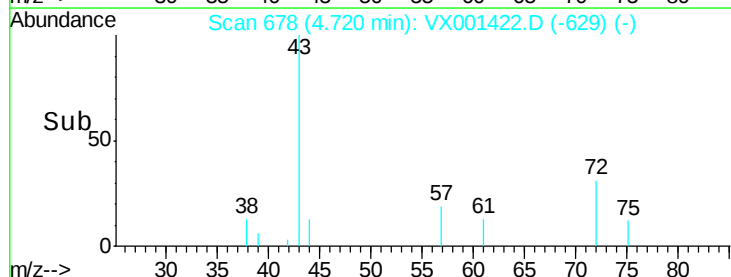
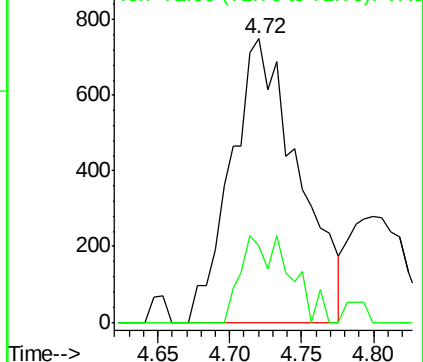
43 100

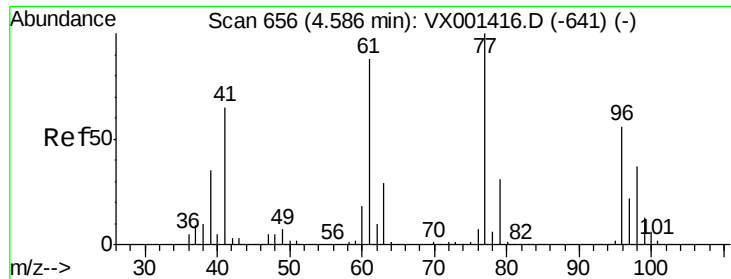
72 27.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

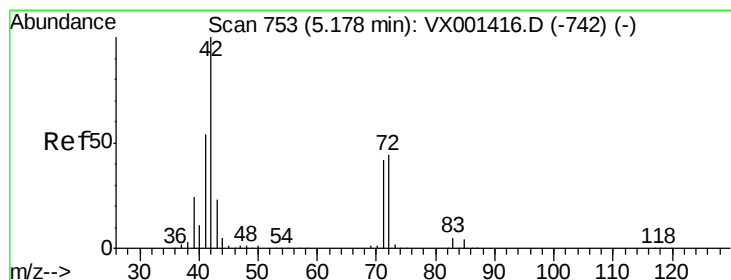
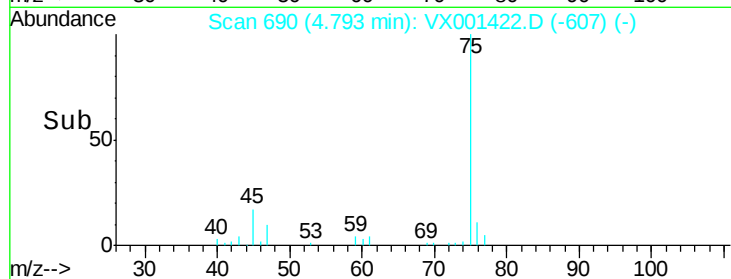
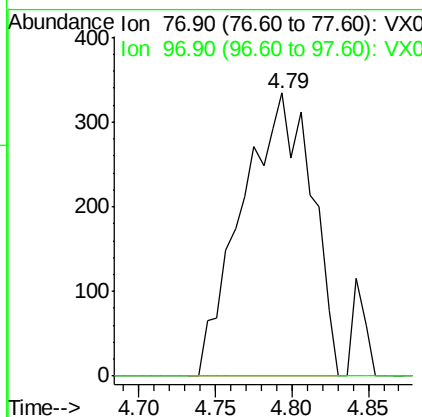
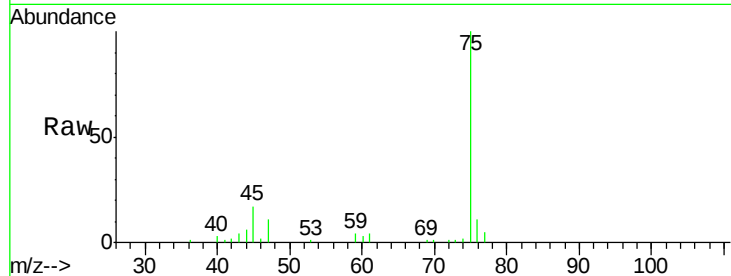




#26
 2,2-Dichloropropane
 Concen: 0.25 ug/l
 RT: 4.79 min Scan# 690
 Delta R.T. 0.21 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

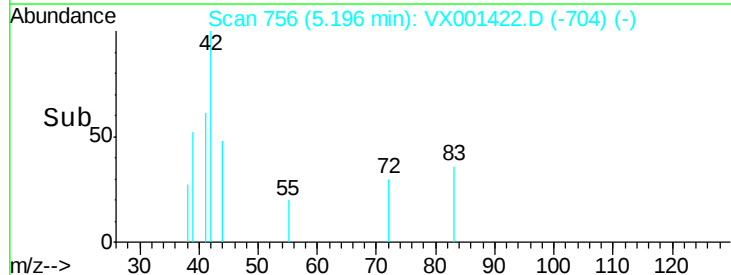
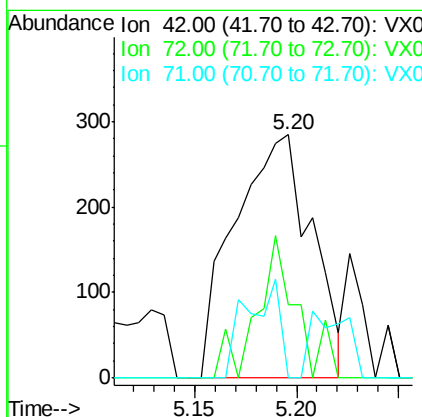
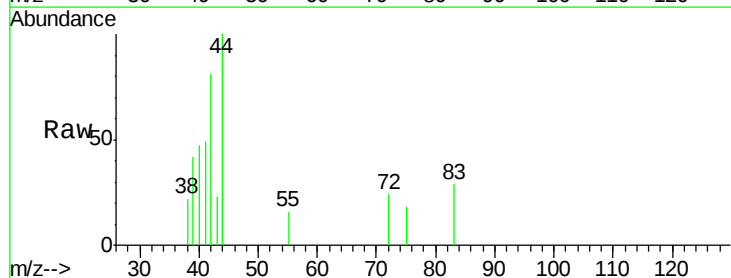
Instrument :
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 TP-1

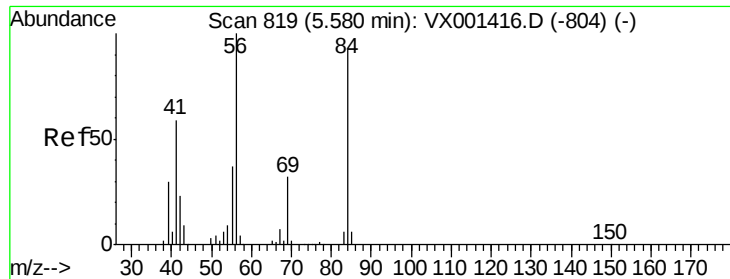
Tgt Ion: 77 Resp: 1053
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.6#



#29
 Tetrahydrofuran
 Concen: 0.49 ug/l
 RT: 5.20 min Scan# 756
 Delta R.T. 0.02 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

Tgt Ion: 42 Resp: 748
 Ion Ratio Lower Upper
 42 100
 72 29.9 35.4 53.2#
 71 17.2 33.0 49.4#

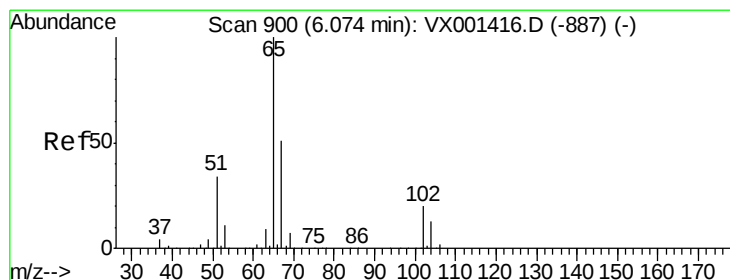
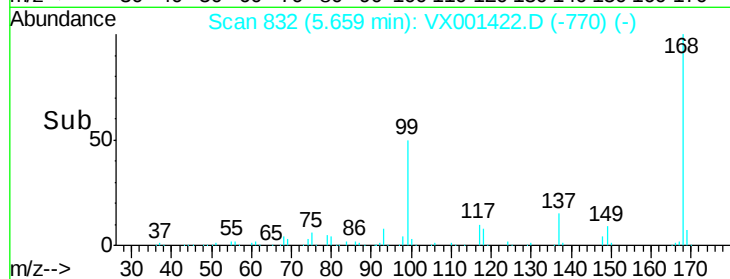
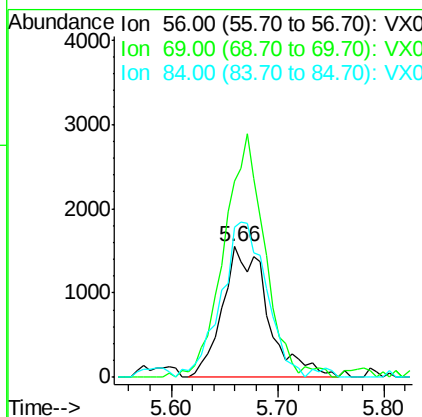
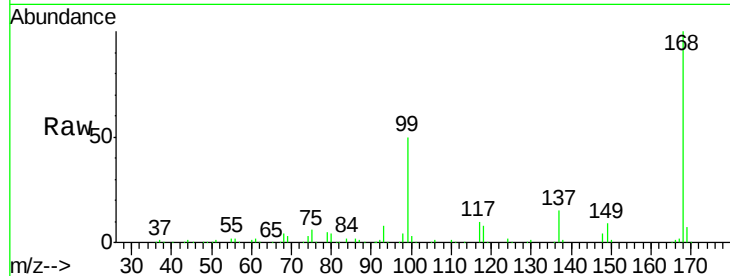




#31
Cyclohexane
Concen: 0.99 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

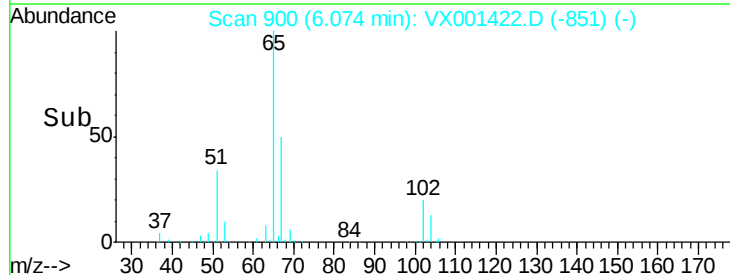
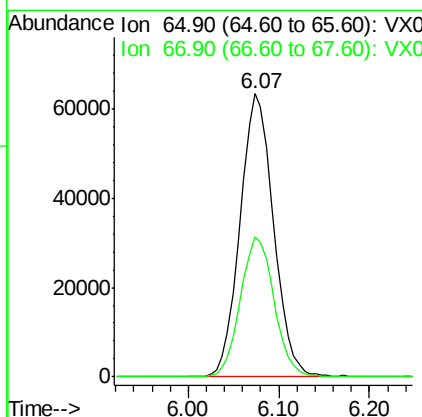
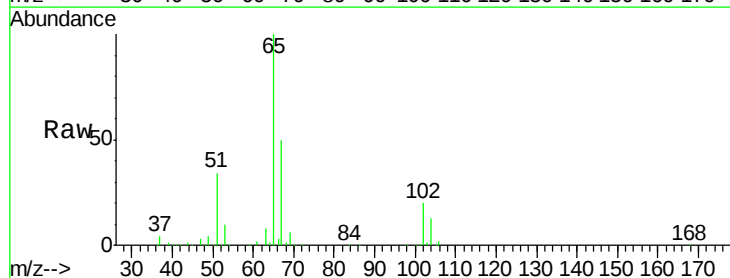
Instrument :
MSVOA_X
ClientSampleId :
TP-1

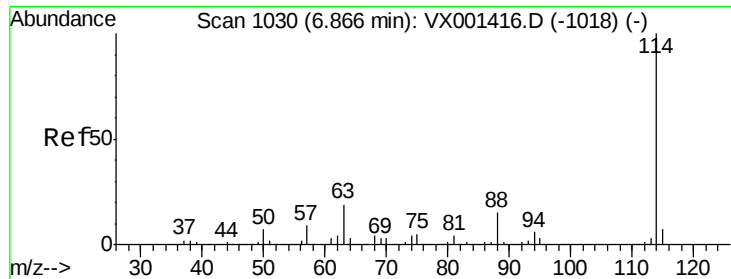
Tgt Ion: 56 Resp: 4628
Ion Ratio Lower Upper
56 100
69 149.8 25.4 38.0#
84 114.8 73.8 110.8#



#33
1,2-Dichloroethane-d4
Concen: 44.58 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Tgt Ion: 65 Resp: 162124
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8

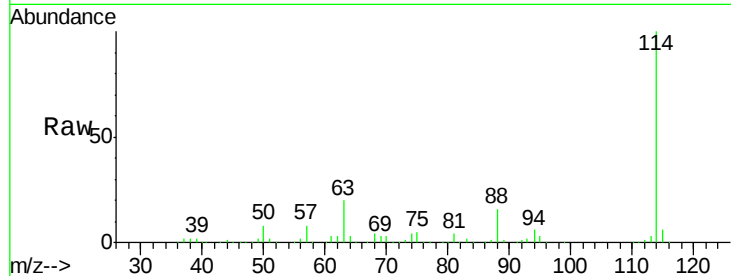




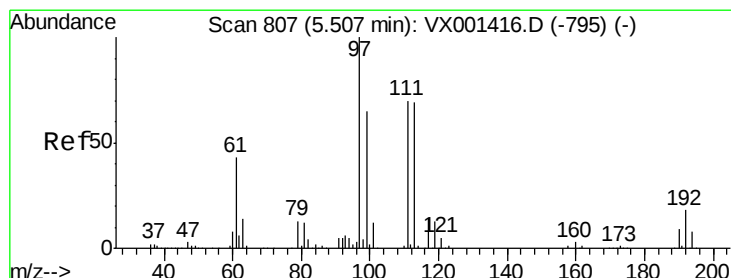
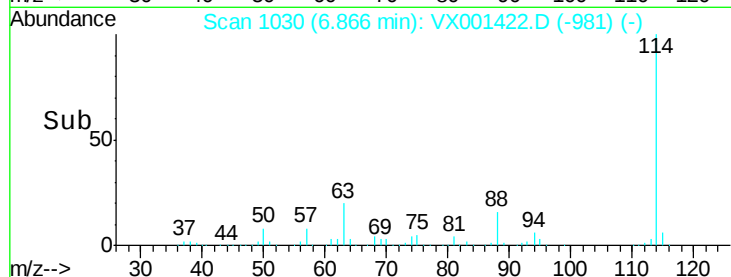
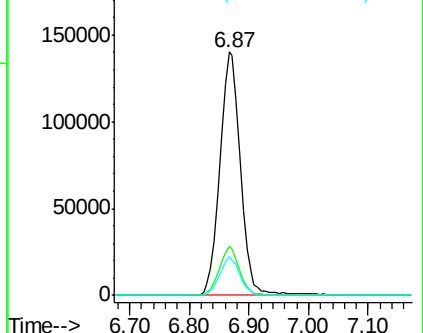
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Tgt Ion:114 Resp: 338537
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.6
 88 15.7 0.0 30.8

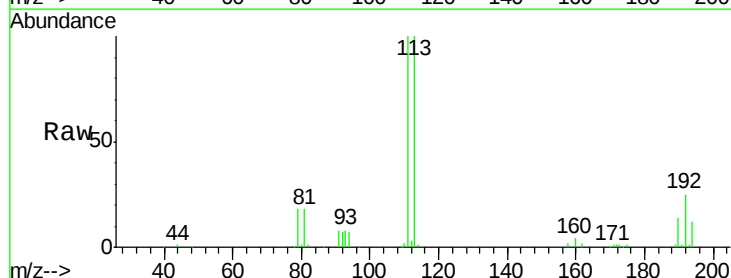


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

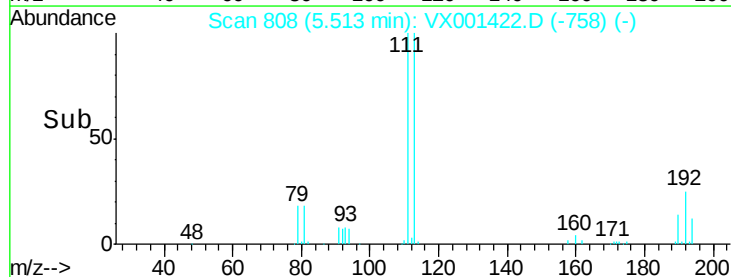
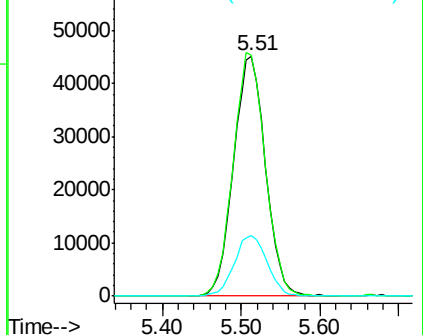


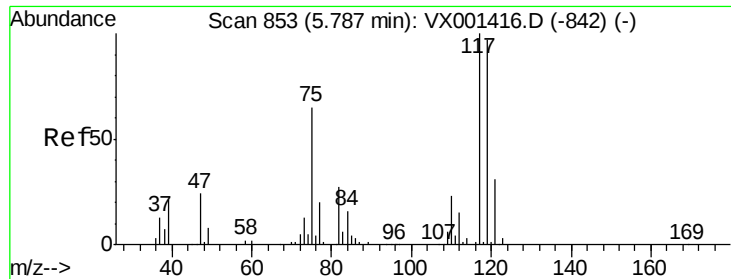
#35
 Dibromofluoromethane
 Concen: 42.17 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

Tgt Ion:113 Resp: 126987
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.2
 192 26.0 21.4 32.0



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





#38

Carbon Tetrachloride

Concen: 4.82 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampled :

TP-1

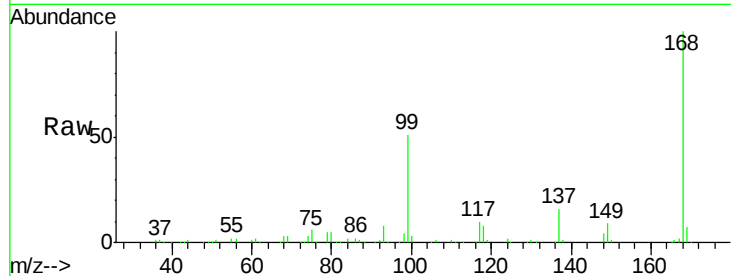
Tgt Ion:117 Resp: 22119

Ion Ratio Lower Upper

117 100

119 7.4 77.0 115.6#

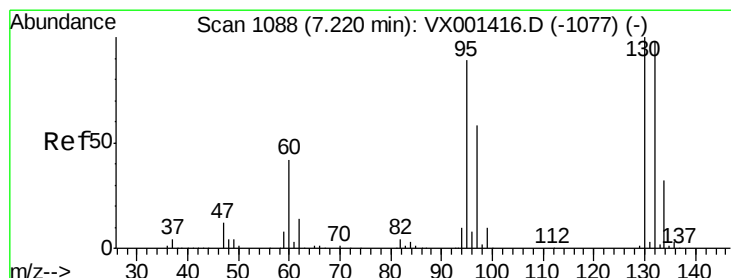
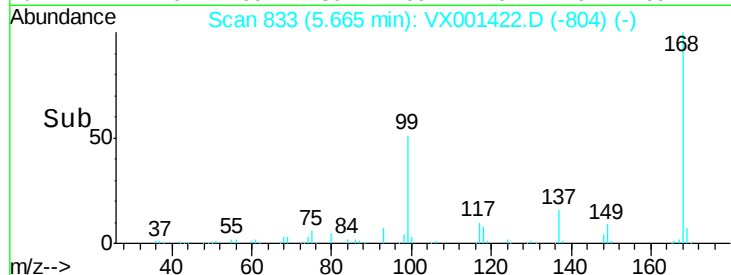
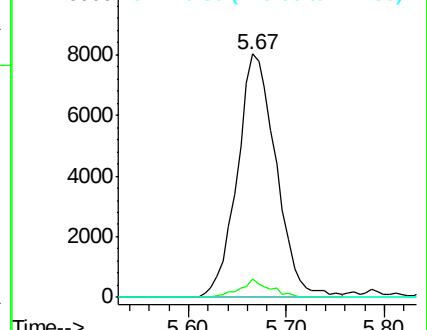
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 0.72 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001422.D

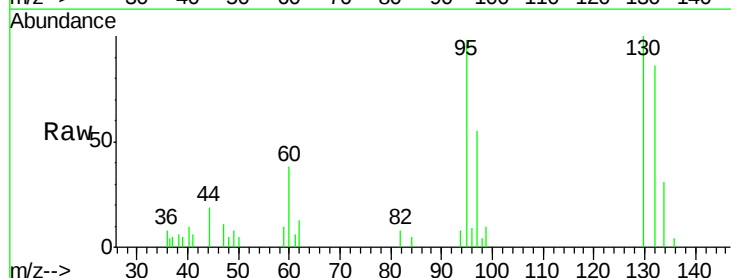
Acq: 05 May 2018 17:01

Tgt Ion:130 Resp: 2772

Ion Ratio Lower Upper

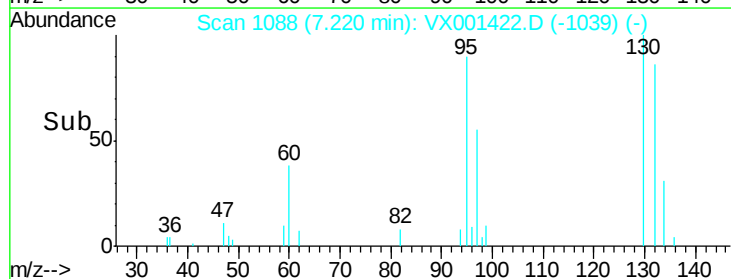
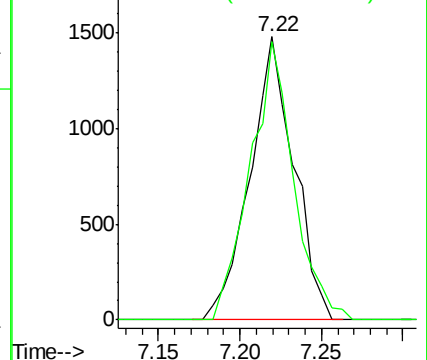
130 100

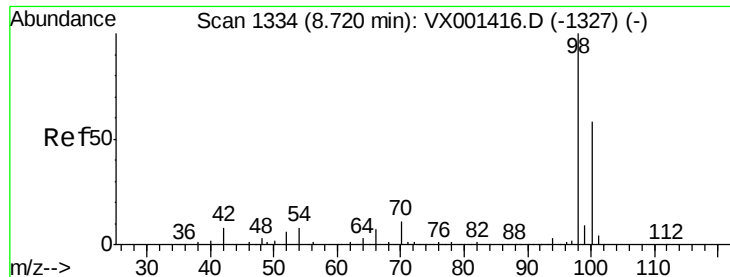
95 98.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 41.45 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampled :

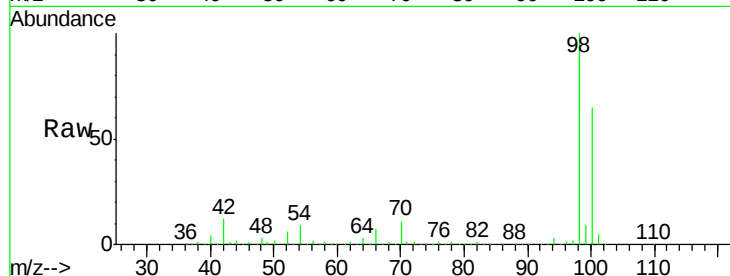
TP-1

Tgt Ion: 98 Resp: 455574

Ion Ratio Lower Upper

98 100

100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

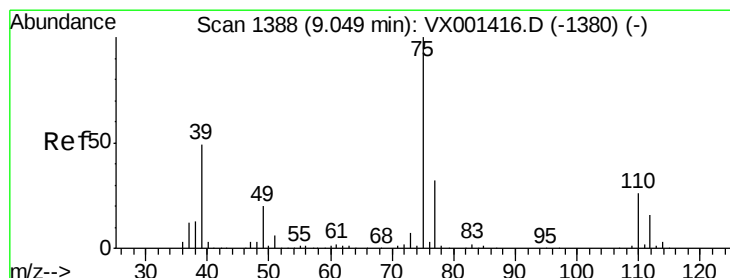
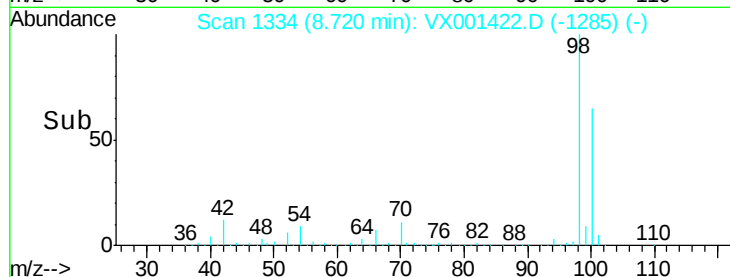
200000

100000

0

Time-->

8.60 8.70 8.80 8.90 9.00



#54

cis-1,3-Dichloropropene

Concen: 2.29 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

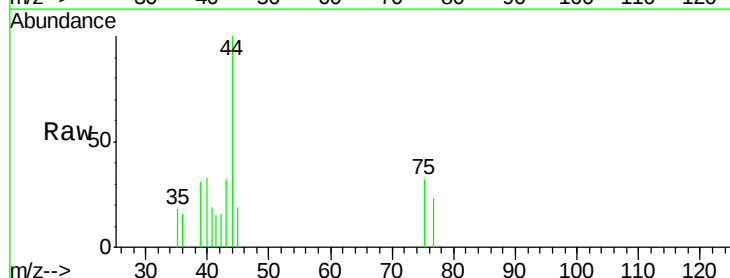
Tgt Ion: 75 Resp: 136

Ion Ratio Lower Upper

75 100

77 73.0 25.5 38.3#

39 97.3 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150

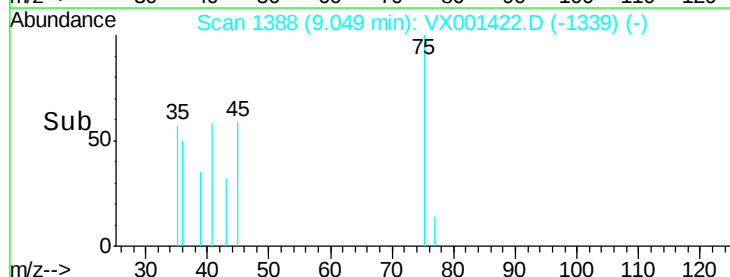
100

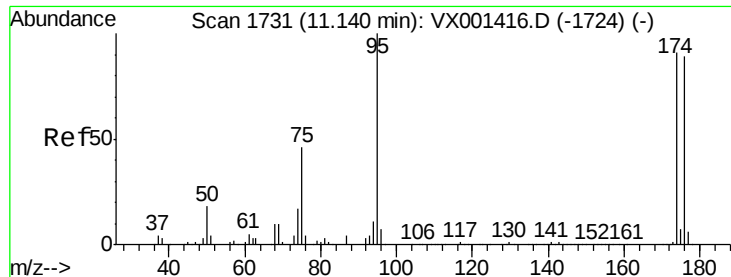
50

0

Time-->

9.02 9.04 9.06 9.08

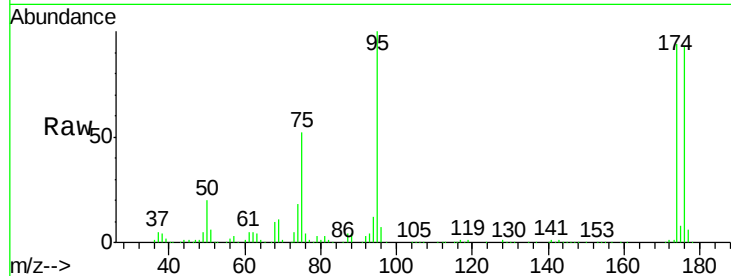




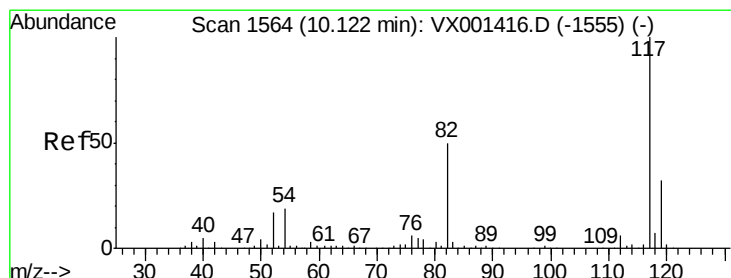
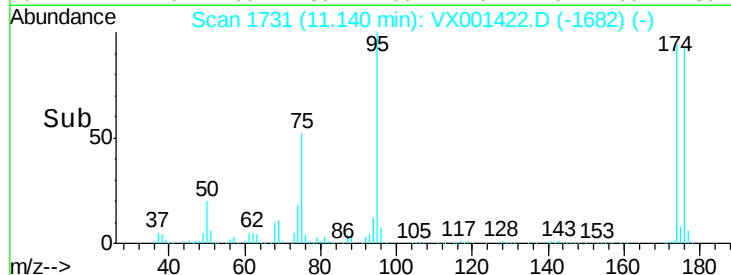
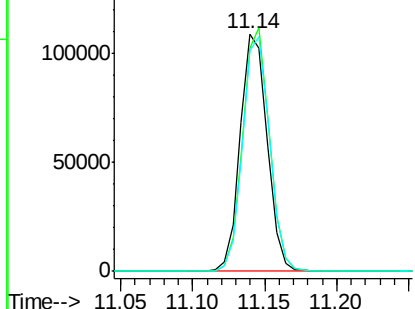
#62
4-Bromofluorobenzene
Concen: 33.51 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Instrument :
MSVOA_X
ClientSampled :
TP-1

Tgt Ion: 95 Resp: 141401
Ion Ratio Lower Upper
95 100
174 101.0 0.0 202.0
176 98.2 0.0 197.4

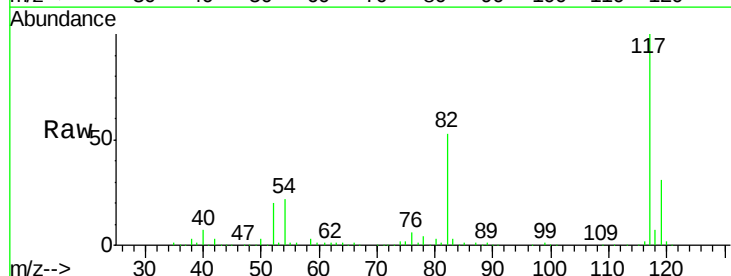


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

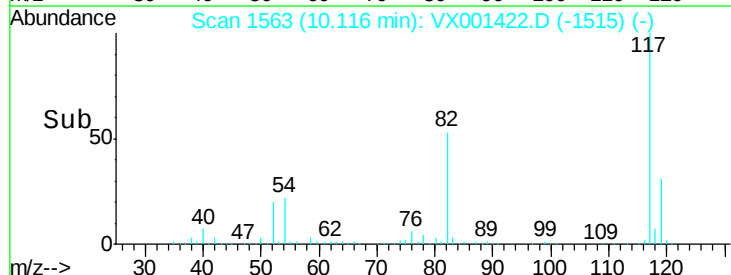
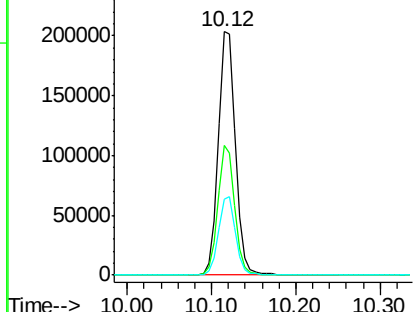


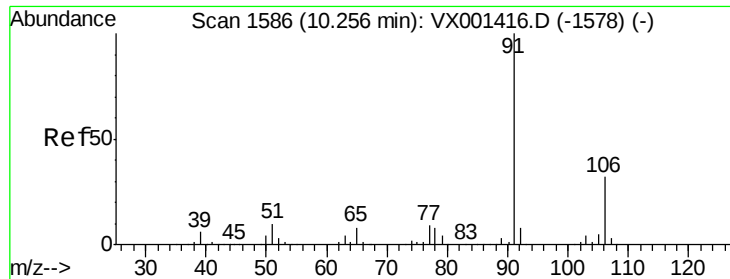
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Tgt Ion: 117 Resp: 288535
Ion Ratio Lower Upper
117 100
82 53.4 40.0 60.0
119 31.3 25.8 38.8



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

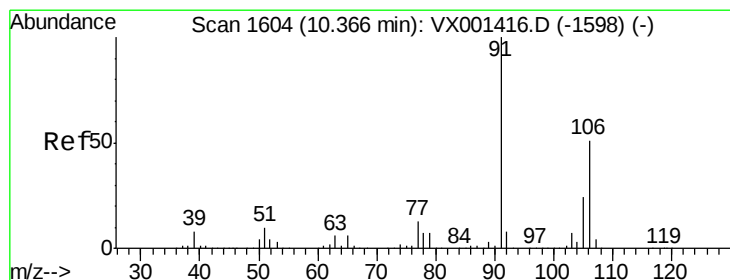
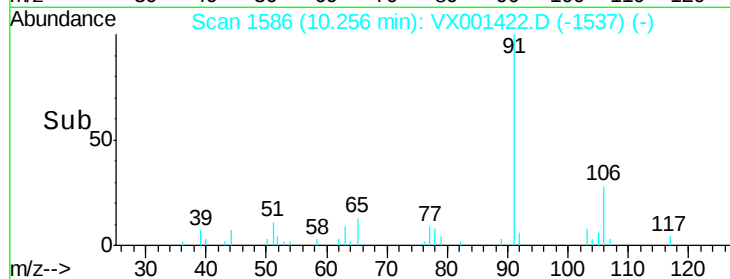
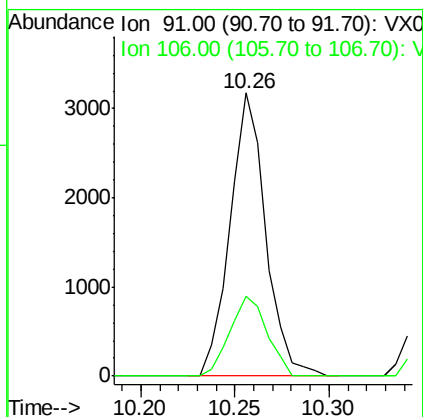
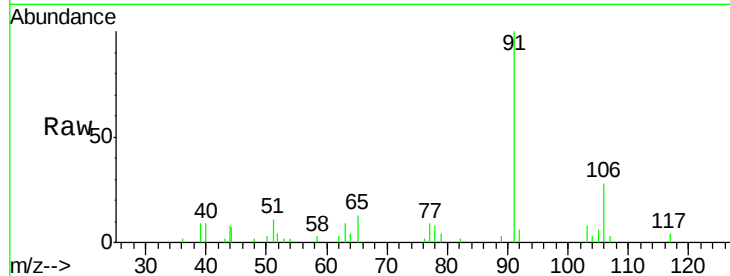




#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

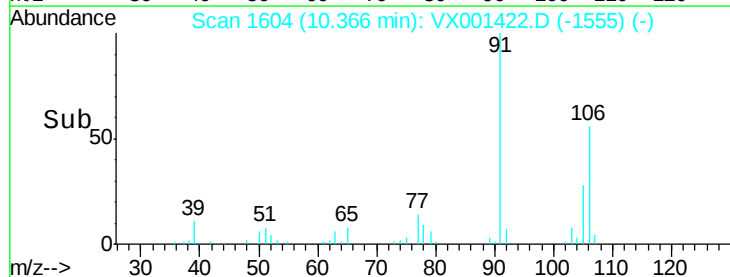
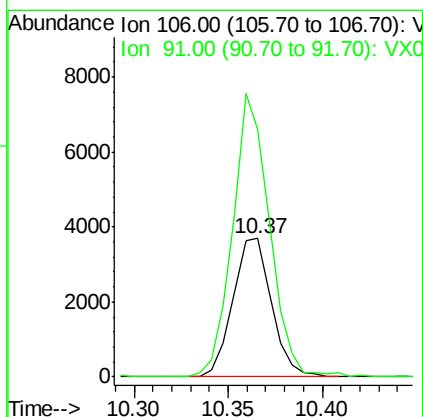
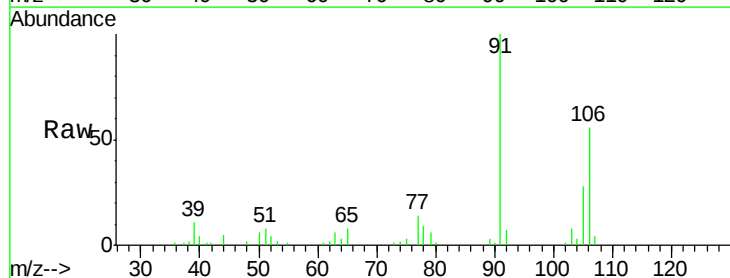
Instrument :
MSVOA_X
ClientSampled :
TP-1

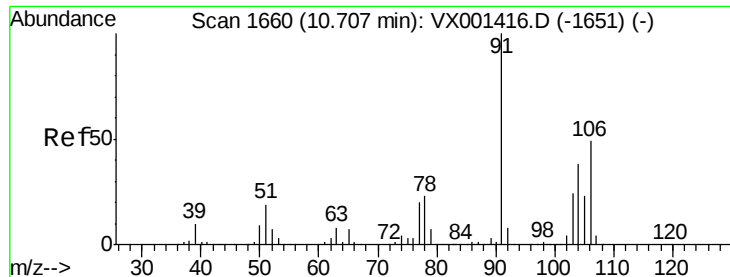
Tgt Ion: 91 Resp: 4153
Ion Ratio Lower Upper
91 100
106 28.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.96 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Tgt Ion: 106 Resp: 5258
Ion Ratio Lower Upper
106 100
91 195.0 157.5 236.3

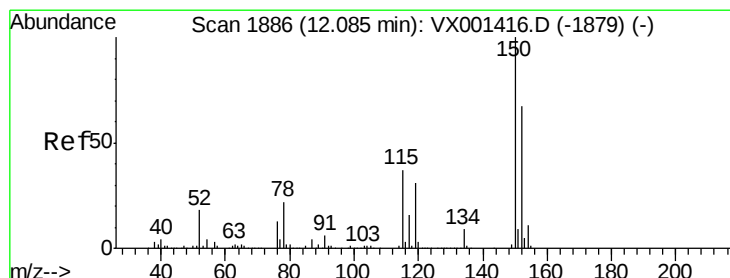
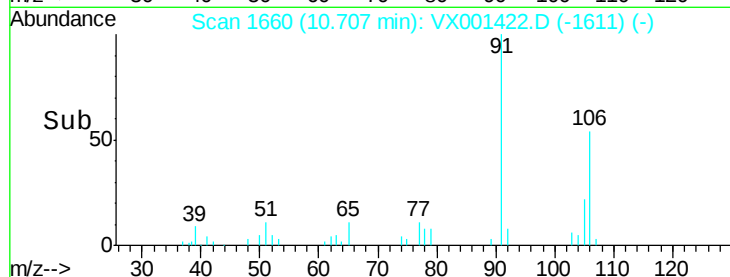
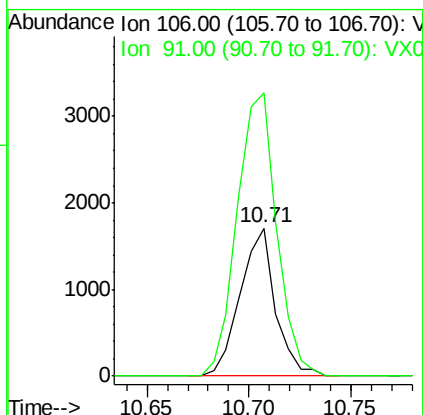
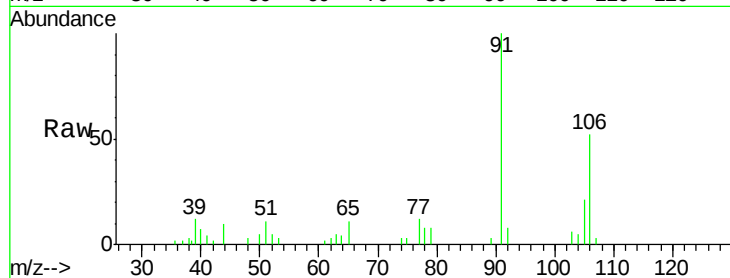




#69
o-Xylene
Concen: 0.38 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

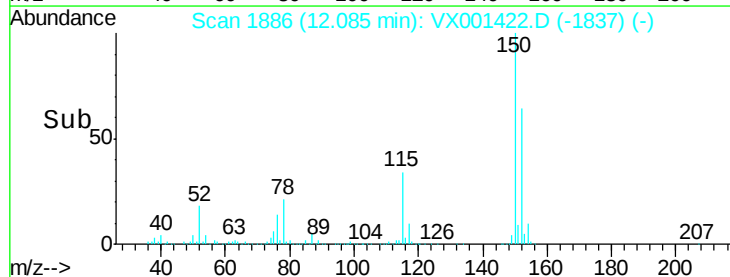
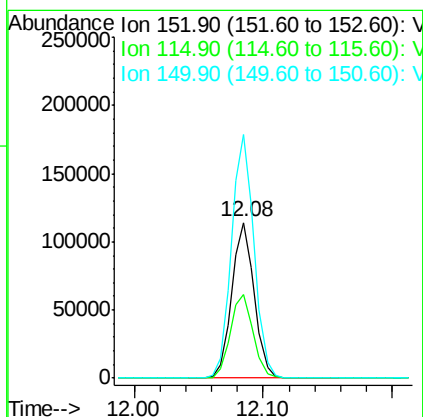
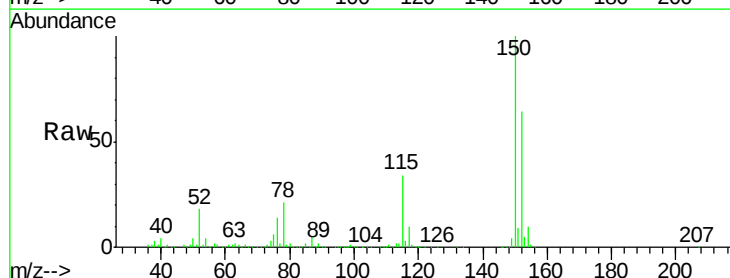
Instrument :
MSVOA_X
ClientSampled :
TP-1

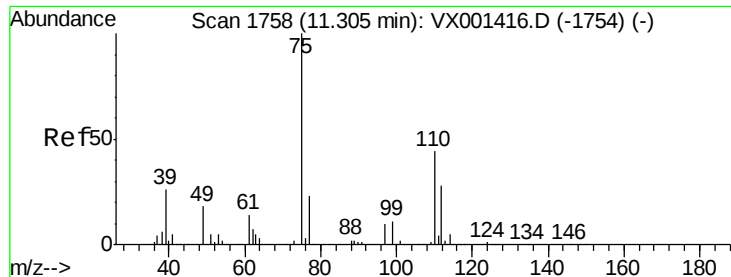
Tgt Ion:106 Resp: 2047
Ion Ratio Lower Upper
106 100
91 215.0 103.1 309.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Tgt Ion:152 Resp: 139179
Ion Ratio Lower Upper
152 100
115 54.2 37.7 113.1
150 157.4 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 25.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001422.D

Acq: 05 May 2018 17:01

Instrument :

MSVOA_X

ClientSampled :

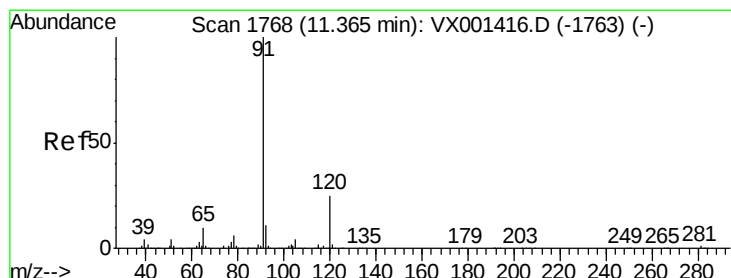
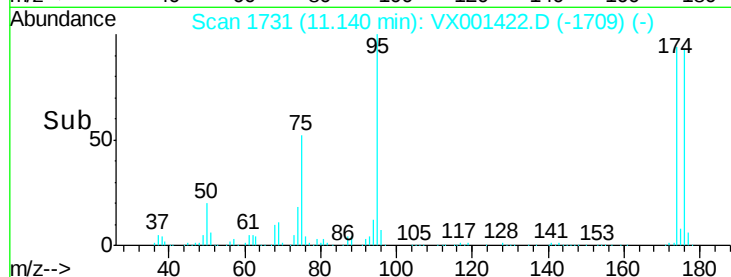
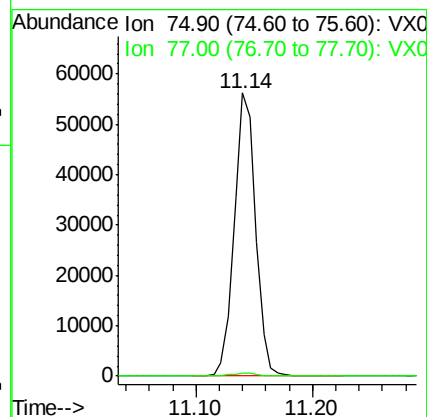
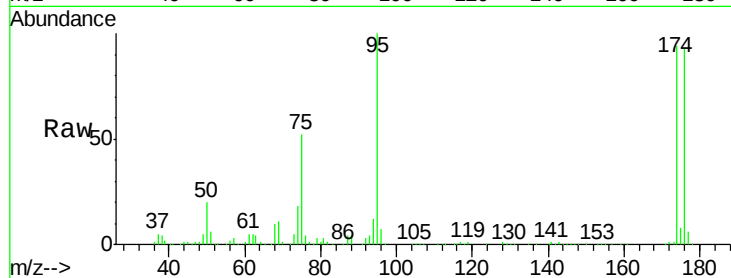
TP-1

Tgt Ion: 75 Resp: 71806

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001422.D

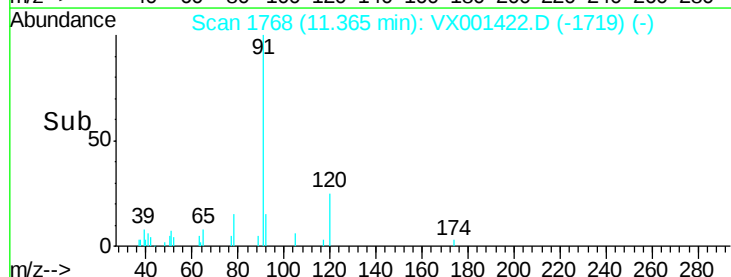
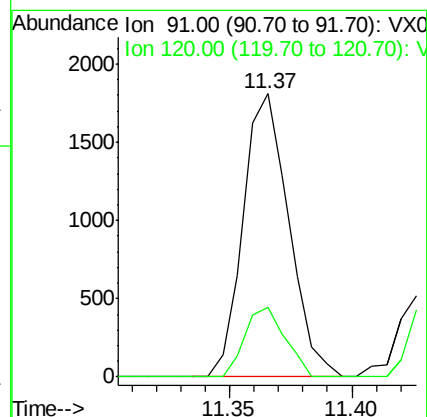
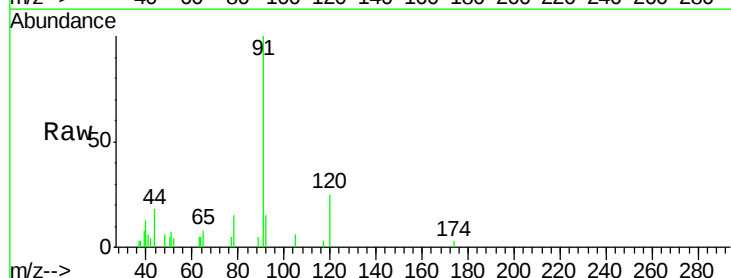
Acq: 05 May 2018 17:01

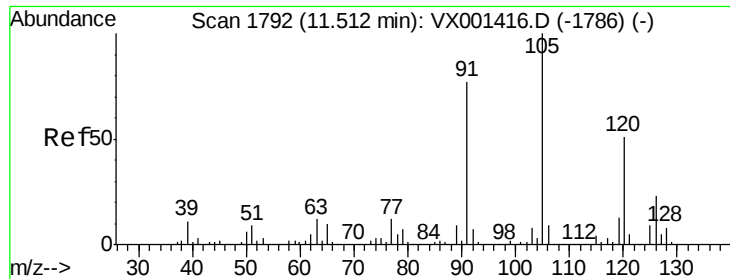
Tgt Ion: 91 Resp: 2353

Ion Ratio Lower Upper

91 100

120 21.6 12.5 37.5

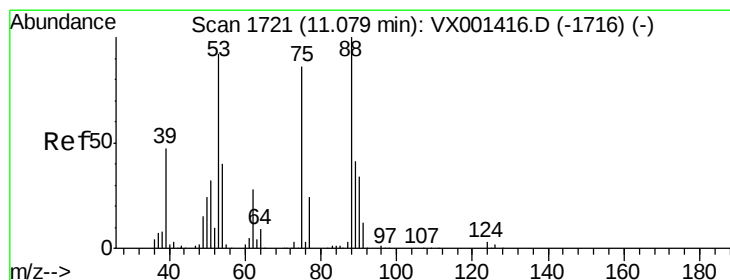
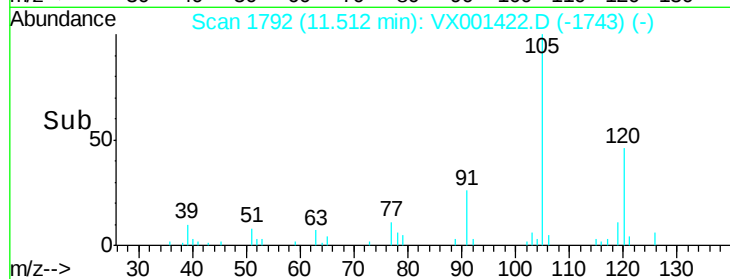
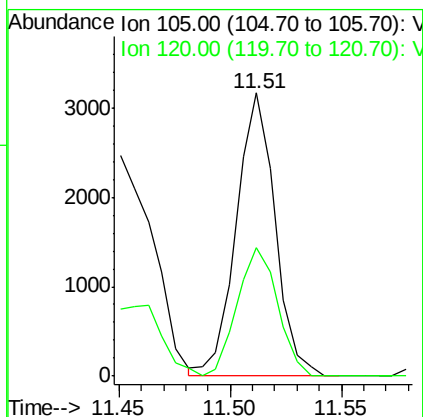
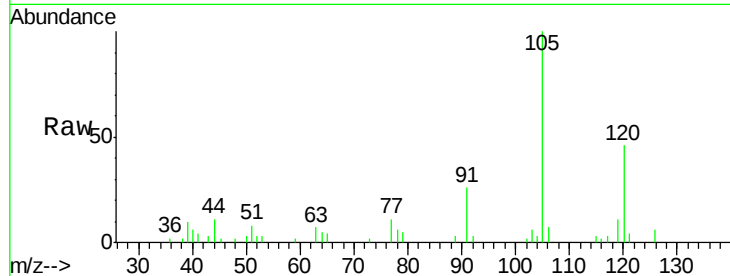




#80
 1,3,5-Trimethylbenzene
 Concen: 0.48 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

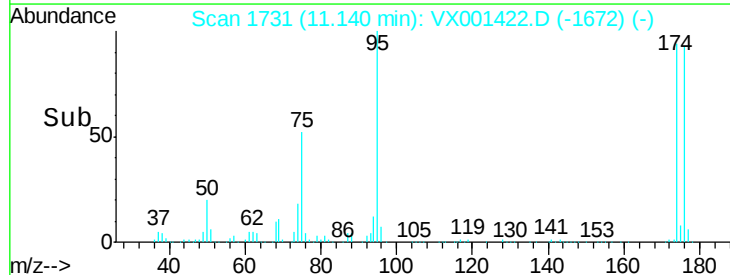
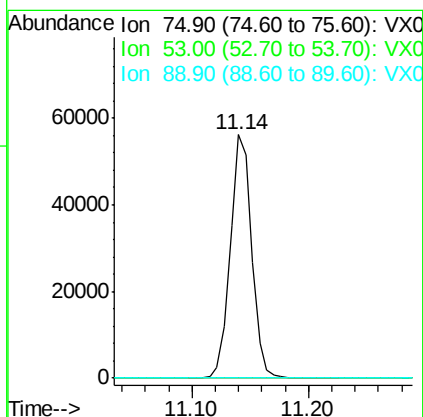
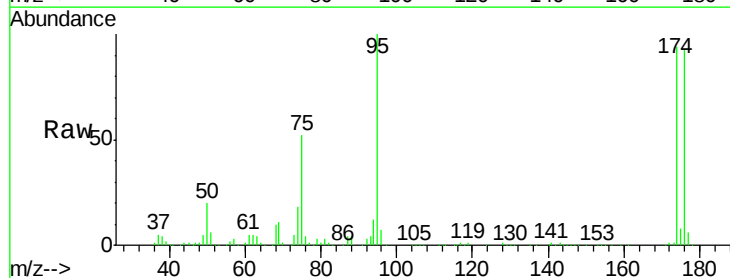
Instrument :
 MSVOA_X
 ClientSampled :
 TP-1

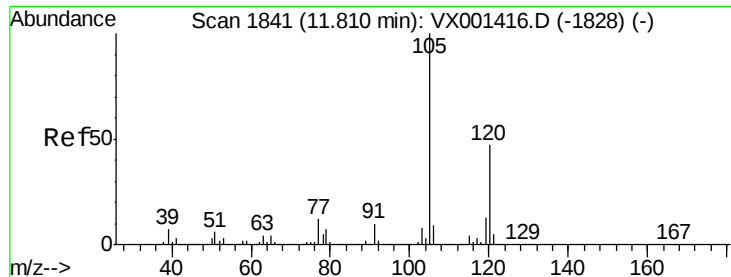
Tgt Ion: 105 Resp: 3850
 Ion Ratio Lower Upper
 105 100
 120 47.1 25.7 77.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.44 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

Tgt Ion: 75 Resp: 71806
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

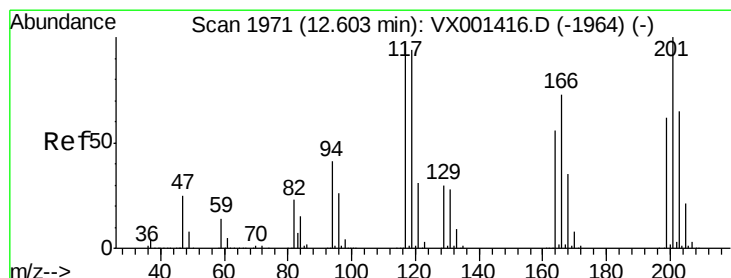
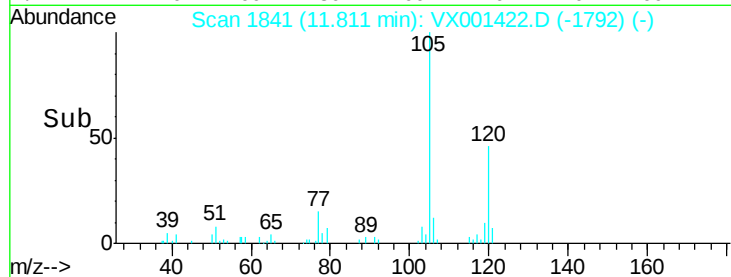
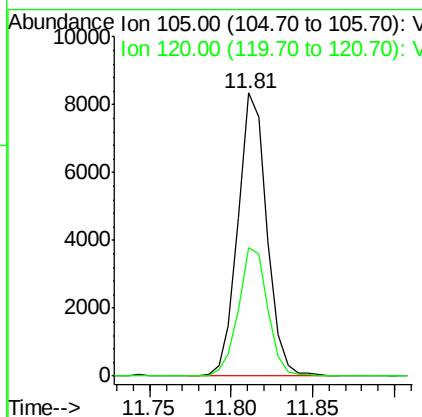
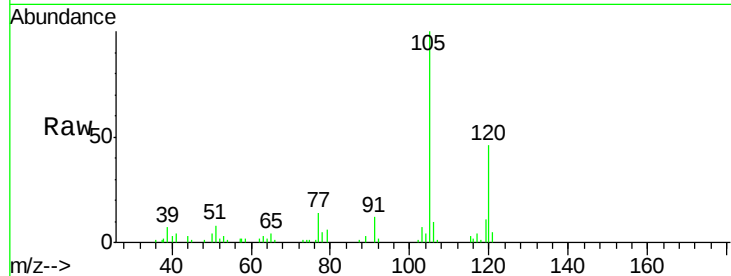




#84
 1,2,4-Trimethylbenzene
 Concen: 1.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

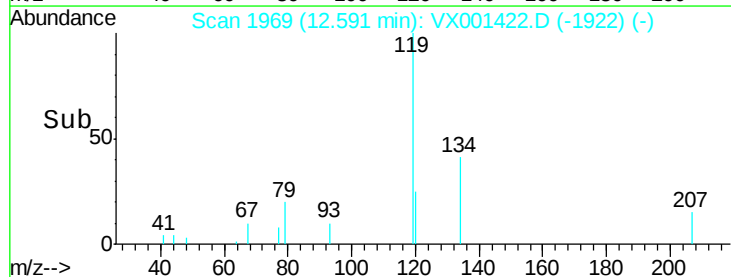
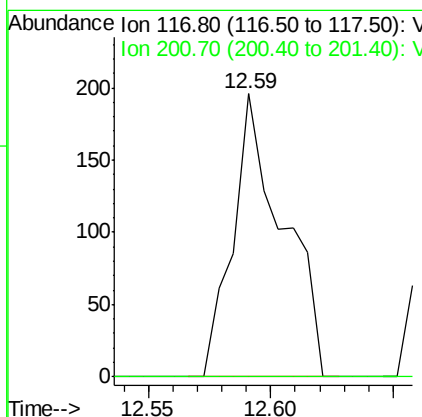
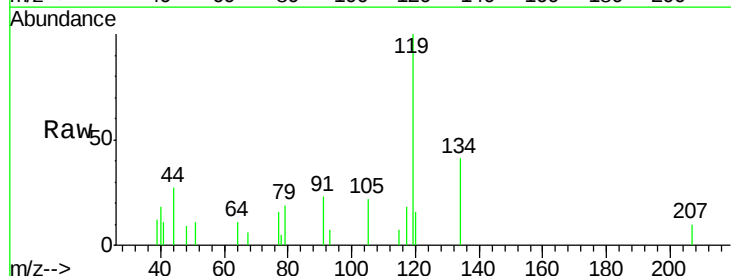
Instrument :
 MSVOA_X
 ClientSampled :
 TP-1

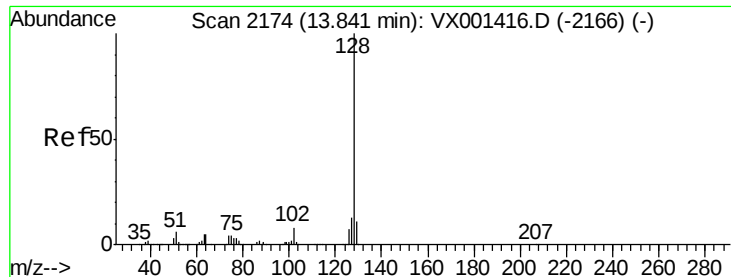
Tgt Ion:105 Resp: 10354
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.4 70.2



#90
 Hexachloroethane
 Concen: 0.21 ug/l
 RT: 12.59 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VX001422.D
 Acq: 05 May 2018 17:01

Tgt Ion:117 Resp: 279
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.5 154.5#

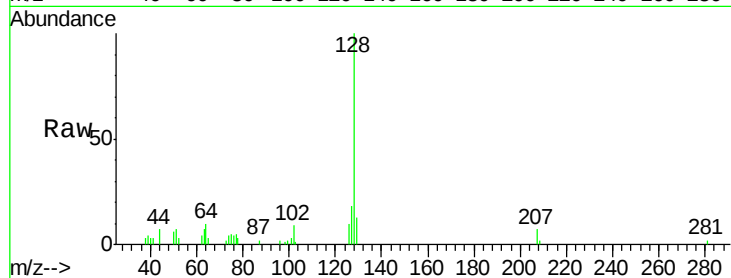




#95
Naphthalene
Concen: 0.54 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001422.D
Acq: 05 May 2018 17:01

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion:128 Resp: 5517
Ion Ratio Lower Upper
128 100
127 17.1 10.4 15.6#
129 12.2 8.7 13.1



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

