

Data File : VX001613.D

Acq On : 10 May 2018 20:22

Operator : JC/MD

Sample : J2836-06 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-9B

Quant Time: May 11 07:00:31 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	234014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318662	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	159630	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.51	113	122566	43.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.48%	
50) Toluene-d8	8.72	98	440684	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	
62) 4-Bromofluorobenzene	11.14	95	142243	35.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.62%	

Target Compounds

						Qvalue
5) Bromomethane	1.62	94	30	Below Cal	#	3
13) Acrolein	2.29	56	109	Below Cal	#	1
16) Acetone	2.45	43	8764	5.74	ug/l	97
18) Methyl Acetate	2.79	43	6824	1.70	ug/l	98
20) Methylene Chloride	2.86	84	11772	3.89	ug/l	96
25) 2-Butanone	4.73	43	2557	1.16	ug/l	93
29) Tetrahydrofuran	5.19	42	799	0.57	ug/l	90
31) Cyclohexane	5.66	56	4149	0.96	ug/l	# 30
36) 1,1-Dichloropropene	5.67	75	14531	3.58	ug/l	# 50
38) Carbon Tetrachloride	5.67	117	20451	4.73	ug/l	# 17
44) Trichloroethene	7.23	130	1500	0.41	ug/l	99
52) Toluene	8.79	92	2538	0.33	ug/l	99
67) Ethyl Benzene	10.26	91	4789	0.35	ug/l	97
68) m/p-Xylenes	10.36	106	4121	0.76	ug/l	93
69) o-Xylene	10.71	106	1816	0.35	ug/l	92
70) Styrene	10.72	104	2253	0.26	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	71901	22.82	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.51	105	3069	0.34	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	71901	70.81	ug/l	# 7
84) 1,2,4-Trimethylbenzene	11.81	105	10887	1.18	ug/l	98
85) sec-Butylbenzene	11.81	105	10887	1.02	ug/l	# 54
90) Hexachloroethane	12.60	117	478	0.32	ug/l	# 1
93) 1,2,4-Trichlorobenzene	13.65	180	2978	0.72	ug/l	91
95) Naphthalene	13.84	128	168185	14.62	ug/l	100

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

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TP-9B

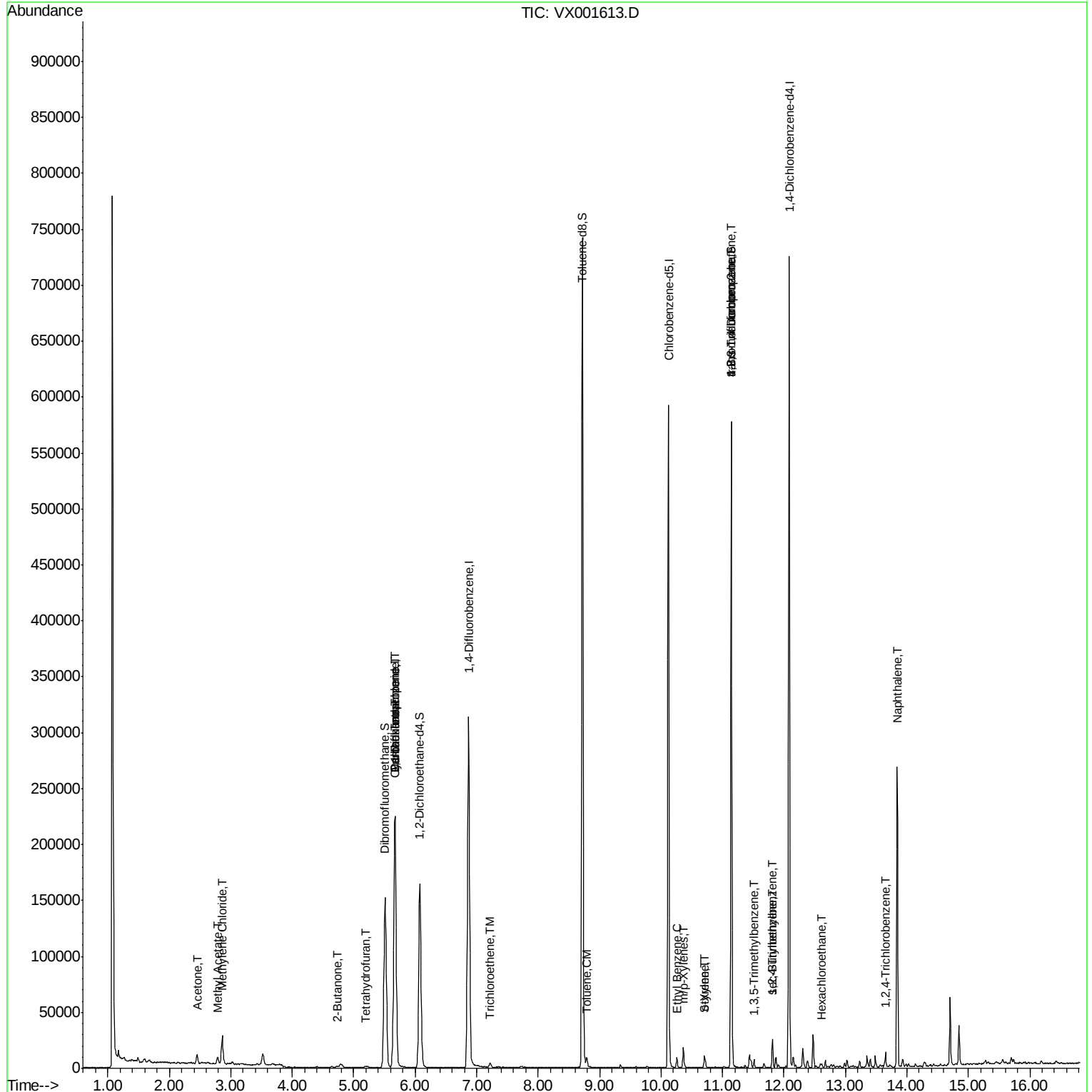
Quant Time: May 11 07:00:31 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

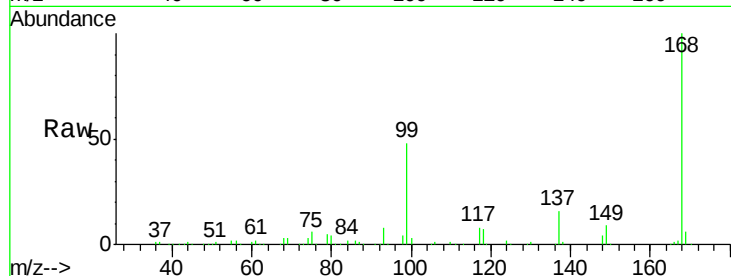
TP-9B

Tgt Ion:168 Resp: 234014

Ion Ratio Lower Upper

168 100

99 47.9 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

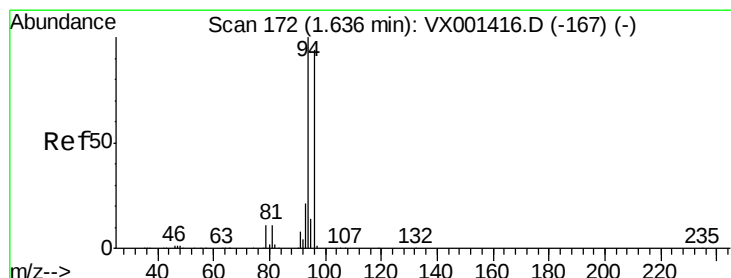
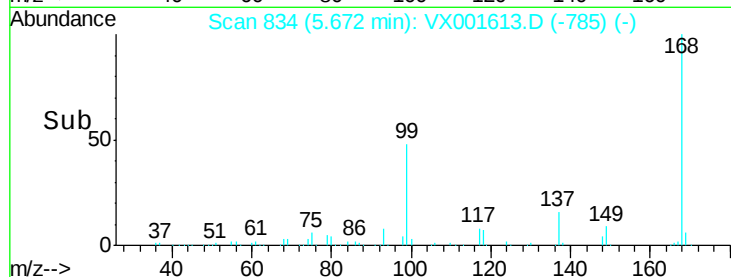
40000

20000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001613.D

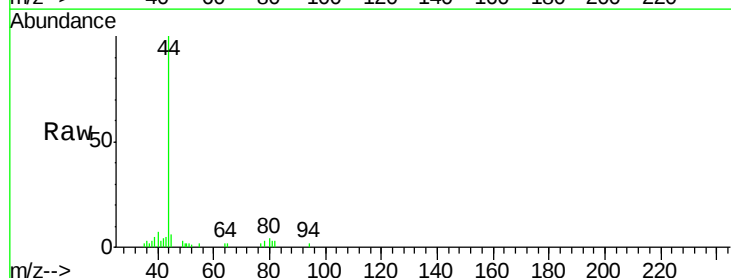
Acq: 10 May 2018 20:22

Tgt Ion: 94 Resp: 30

Ion Ratio Lower Upper

94 100

96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

80

60

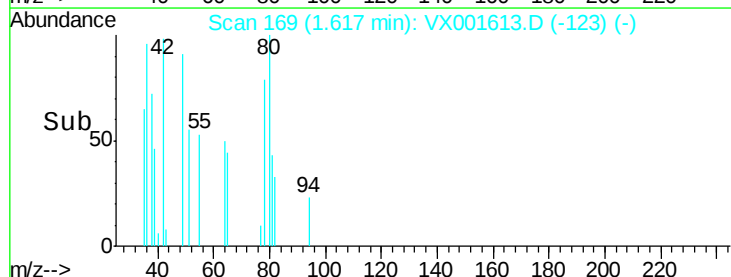
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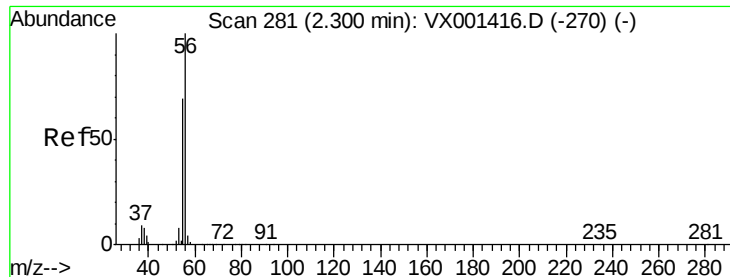
20

0

Time-->

1.61 1.62 1.62 1.63





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

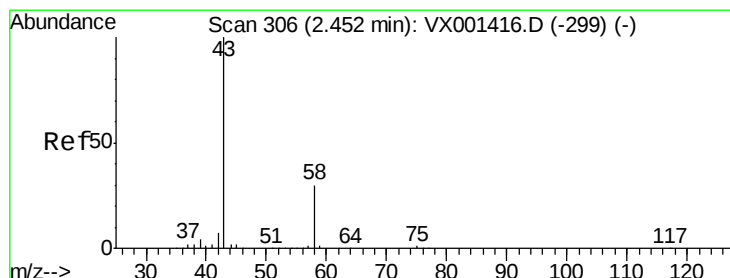
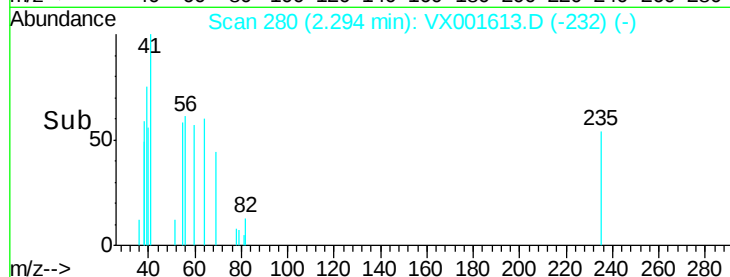
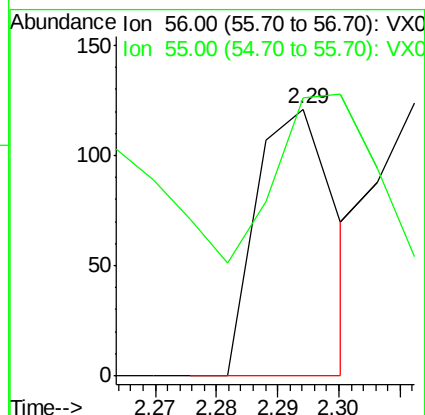
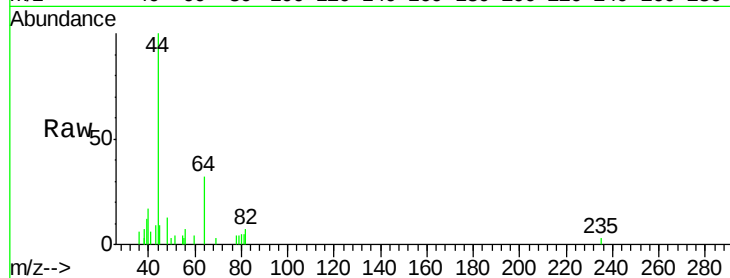
TP-9B

Tgt Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 227.5 54.5 81.7#



#16

Acetone

Concen: 5.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001613.D

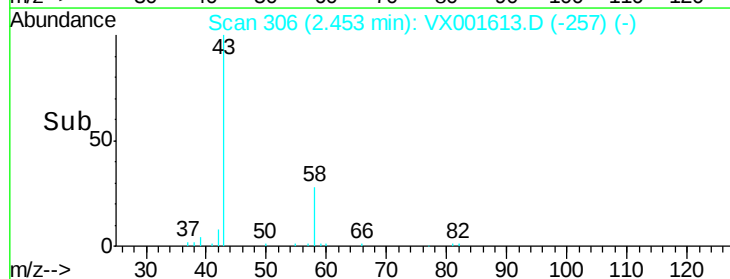
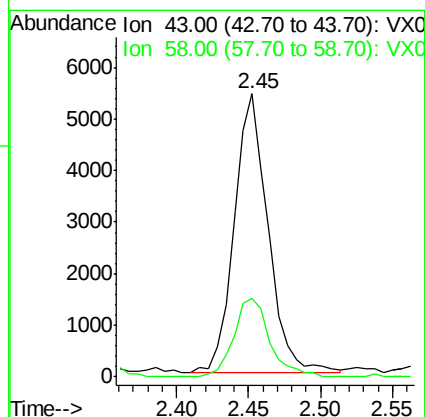
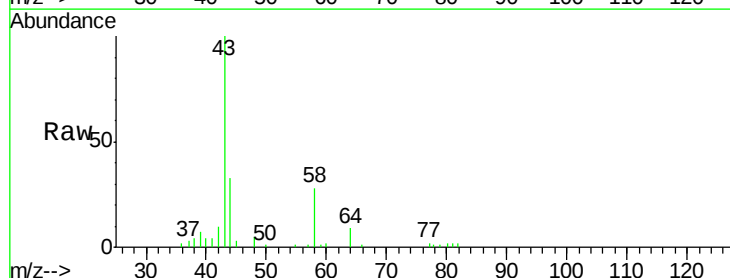
Acq: 10 May 2018 20:22

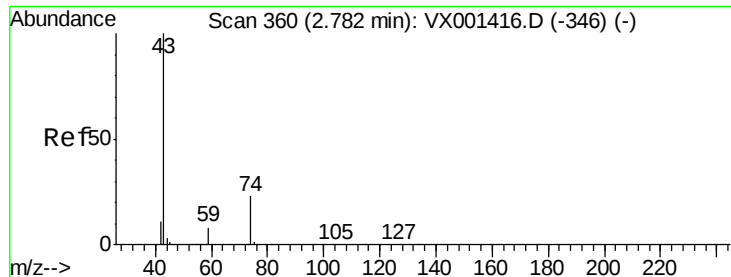
Tgt Ion: 43 Resp: 8764

Ion Ratio Lower Upper

43 100

58 28.0 23.8 35.8

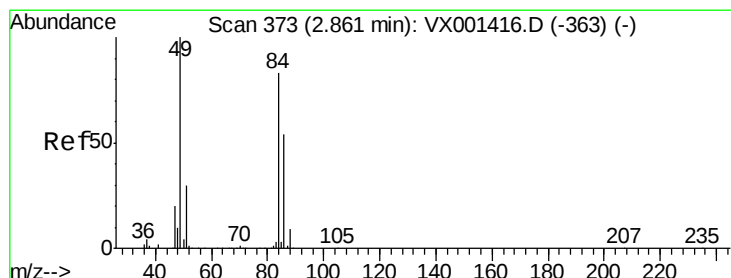
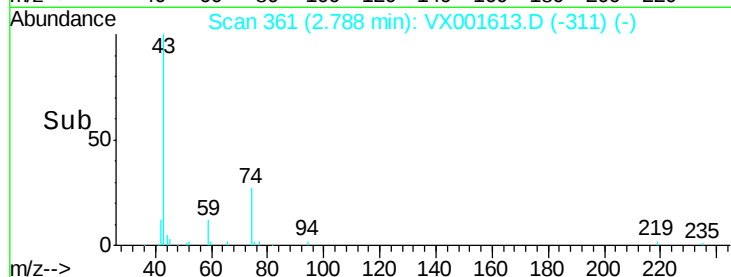
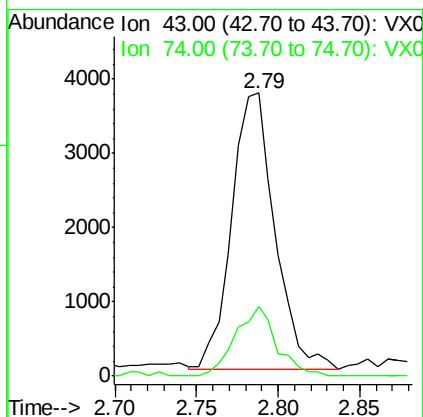
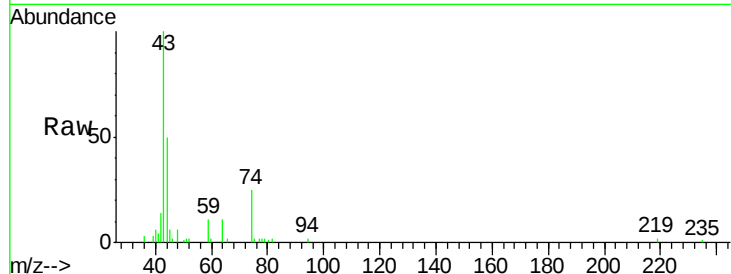




#18
Methyl Acetate
Concen: 1.70 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

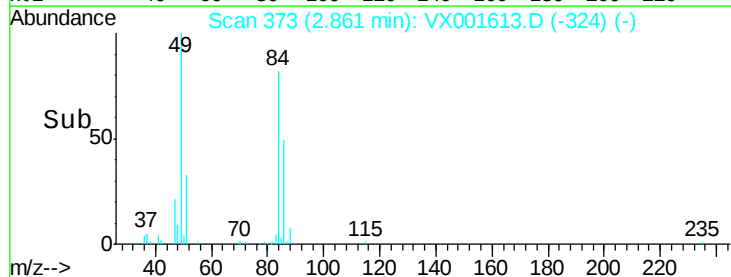
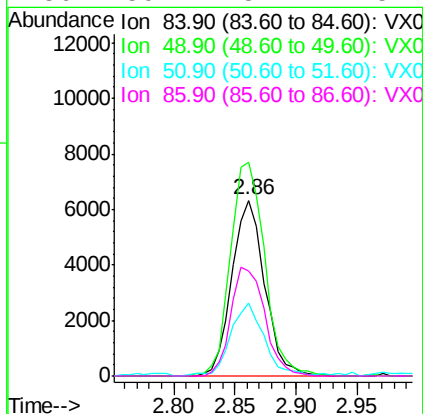
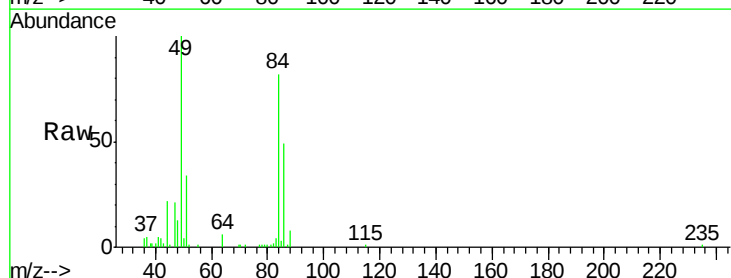
Instrument :
MSVOA_X
ClientSampleId :
TP-9B

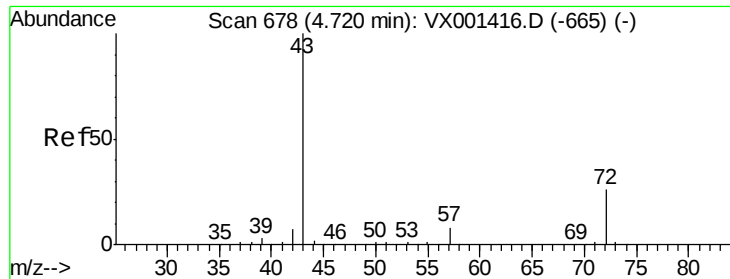
Tgt Ion: 43 Resp: 6824
Ion Ratio Lower Upper
43 100
74 24.4 18.6 27.8



#20
Methylene Chloride
Concen: 3.89 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Tgt Ion: 84 Resp: 11772
Ion Ratio Lower Upper
84 100
49 121.4 96.6 144.8
51 40.3 29.0 43.4
86 59.4 52.2 78.4





#25

2-Butanone

Concen: 1.16 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

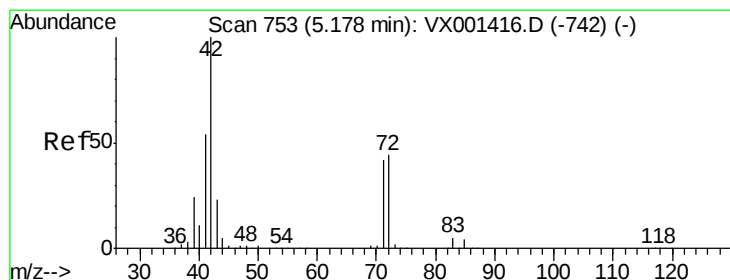
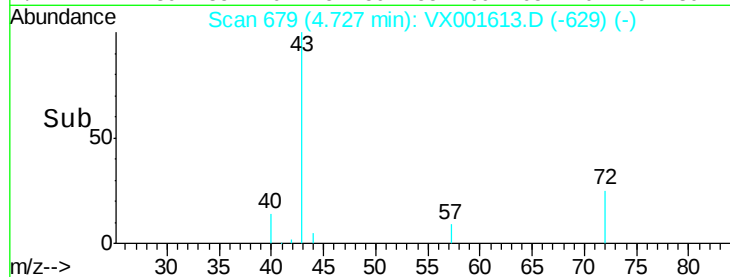
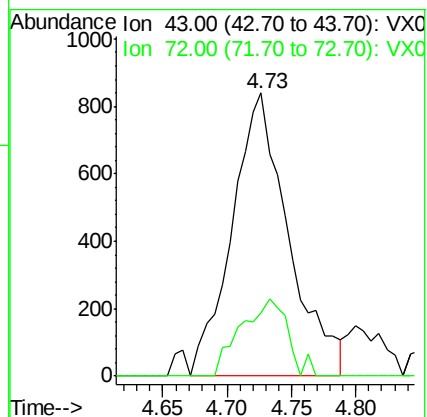
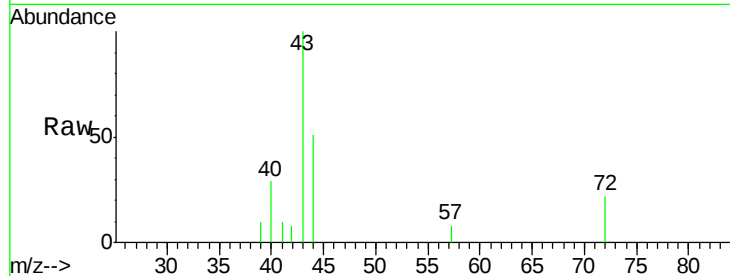
TP-9B

Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

72 22.4 20.7 31.1



#29

Tetrahydrofuran

Concen: 0.57 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

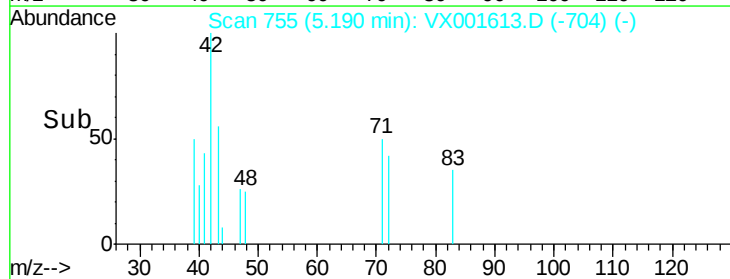
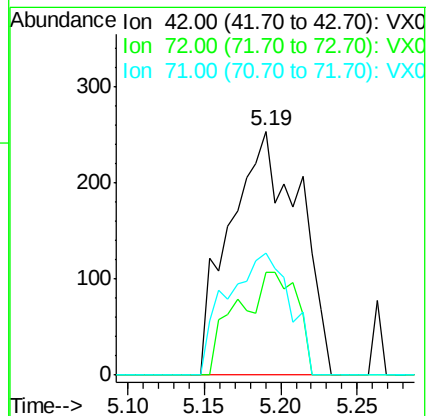
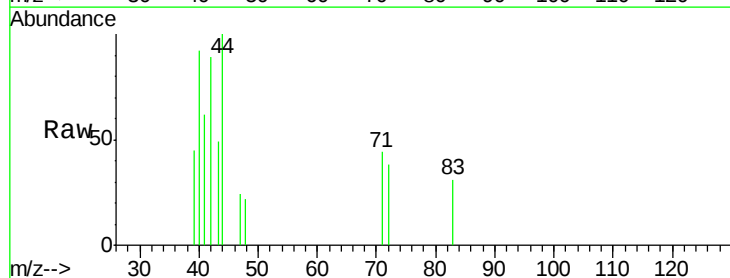
Tgt Ion: 42 Resp: 799

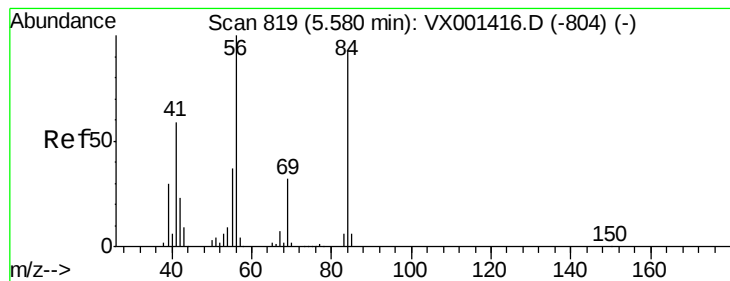
Ion Ratio Lower Upper

42 100

72 36.0 35.4 53.2

71 45.3 33.0 49.4





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

TP-9B

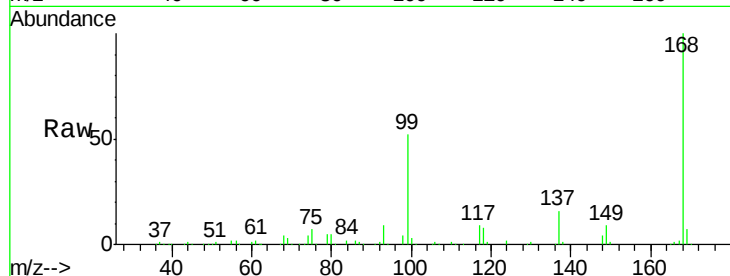
Tgt Ion: 56 Resp: 4149

Ion Ratio Lower Upper

56 100

69 152.0 25.4 38.0#

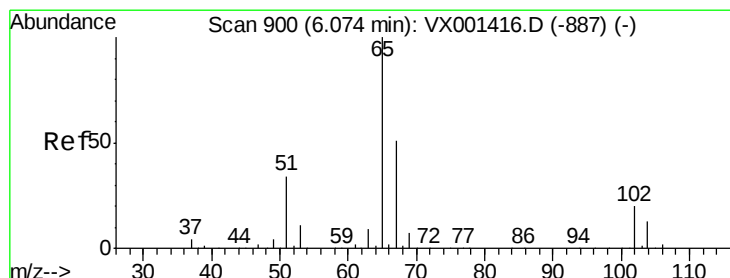
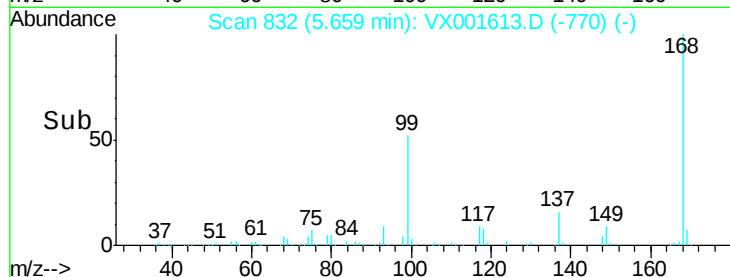
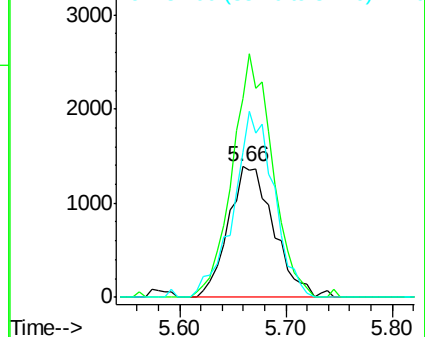
84 111.0 73.8 110.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.46 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001613.D

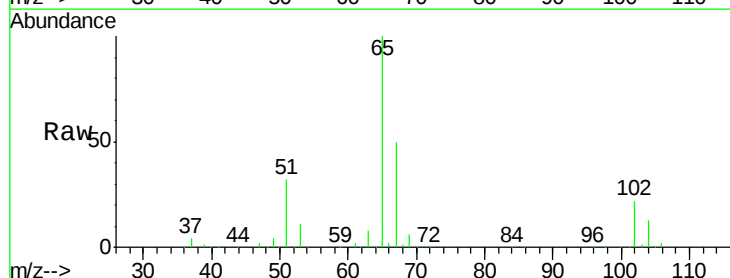
Acq: 10 May 2018 20:22

Tgt Ion: 65 Resp: 159630

Ion Ratio Lower Upper

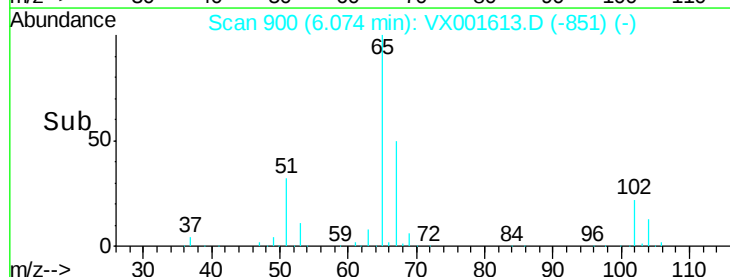
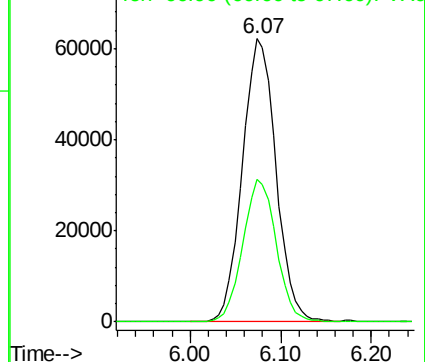
65 100

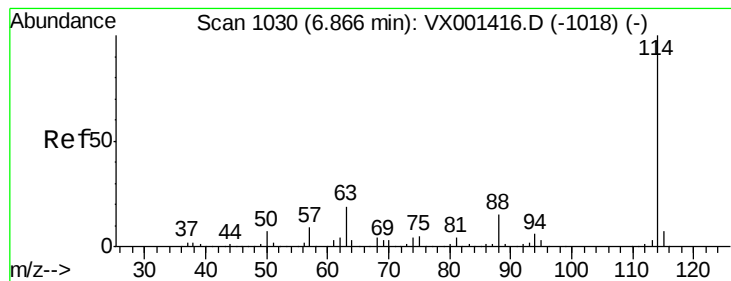
67 50.2 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

TP-9B

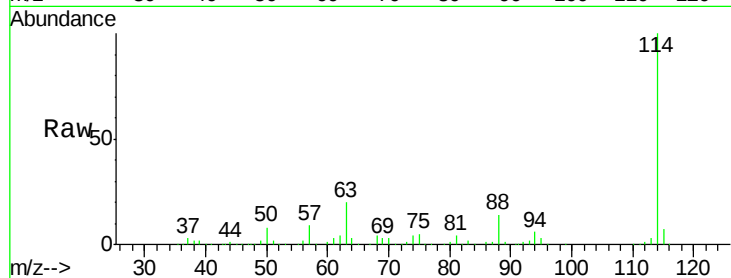
Tgt Ion:114 Resp: 318662

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.6

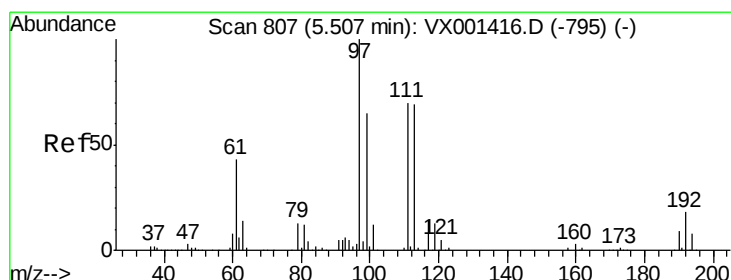
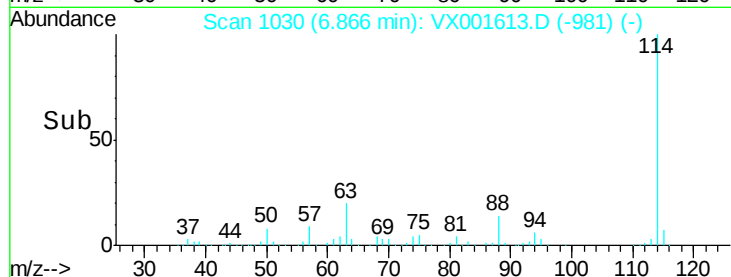
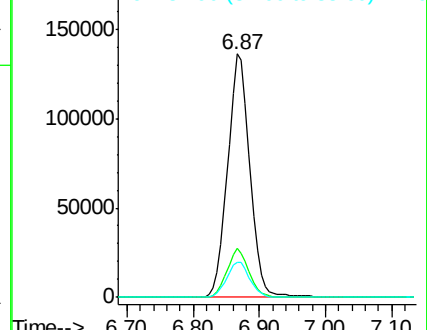
88 14.5 0.0 30.8



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: 43.24 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

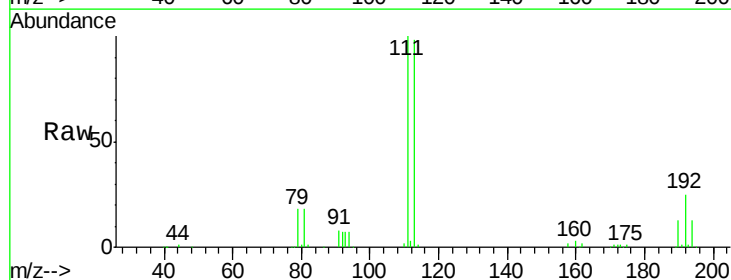
Tgt Ion:113 Resp: 122566

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

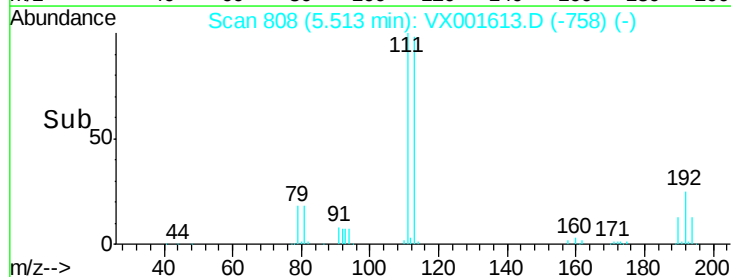
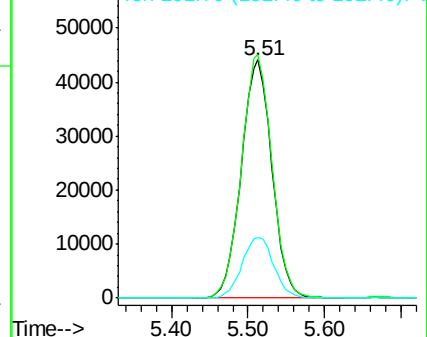
192 26.3 21.4 32.0

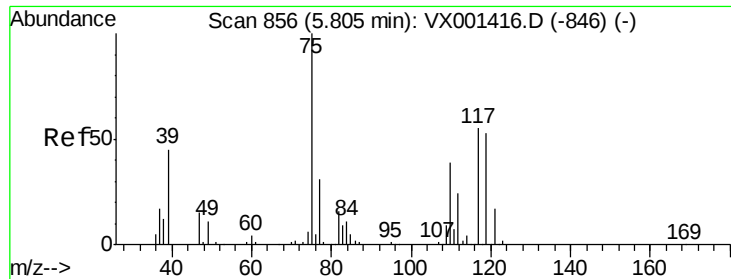


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

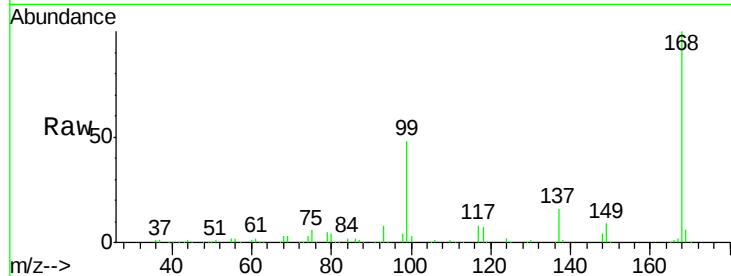




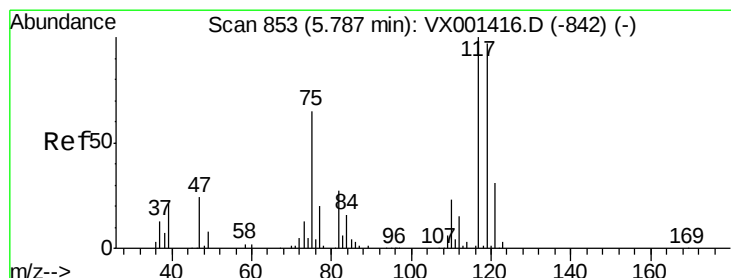
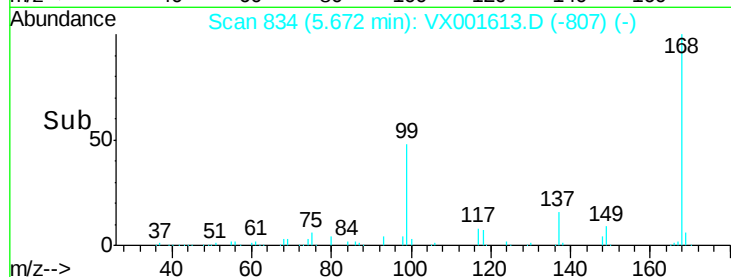
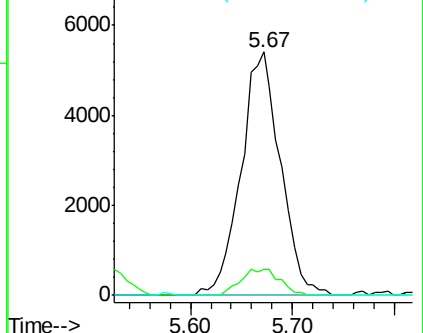
#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

Instrument :
 MSVOA_X
 ClientSampled :
 TP-9B

Tgt Ion: 75 Resp: 14531
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.9 56.7#
 77 0.0 24.9 37.3#

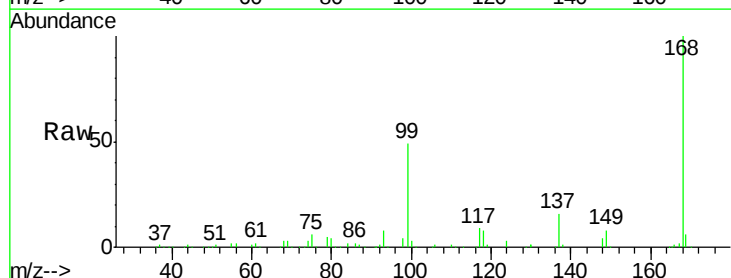


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

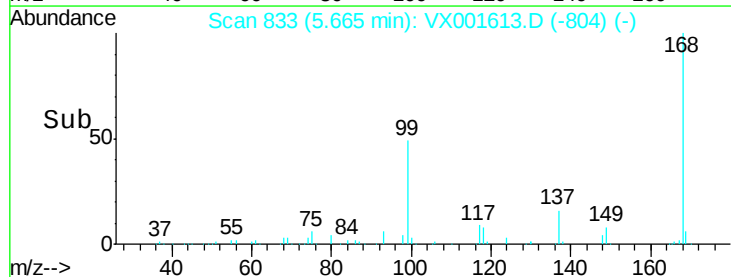
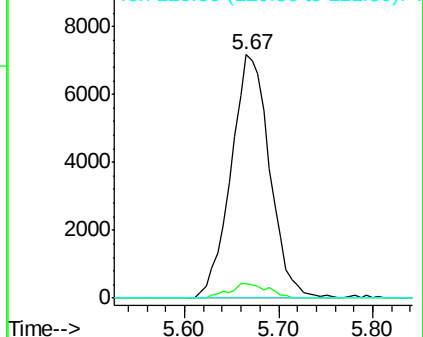


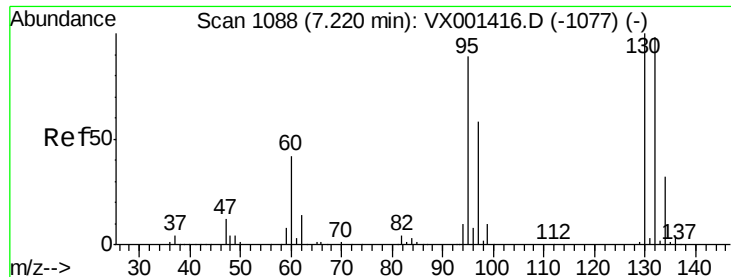
#38
 Carbon Tetrachloride
 Concen: 4.73 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

Tgt Ion: 117 Resp: 20451
 Ion Ratio Lower Upper
 117 100
 119 6.1 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: 0.41 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

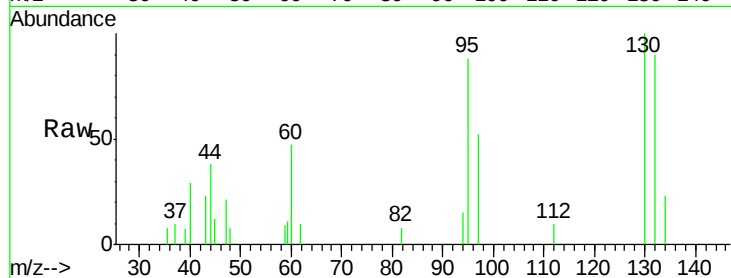
TP-9B

Tgt Ion:130 Resp: 1500

Ion Ratio Lower Upper

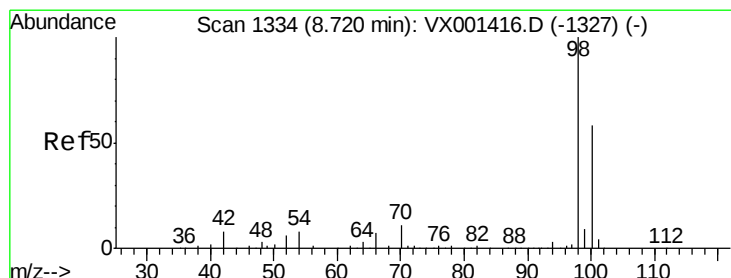
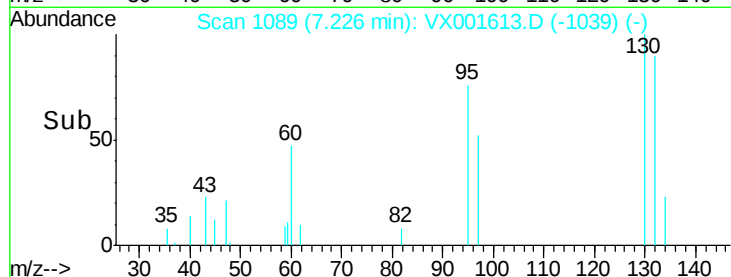
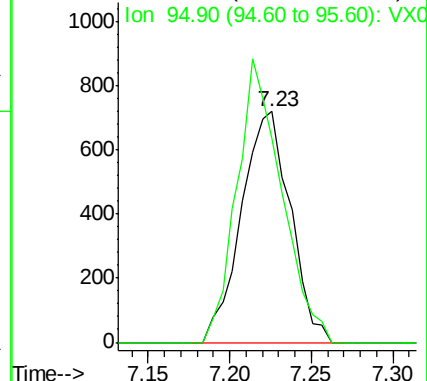
130 100

95 88.4 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 42.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001613.D

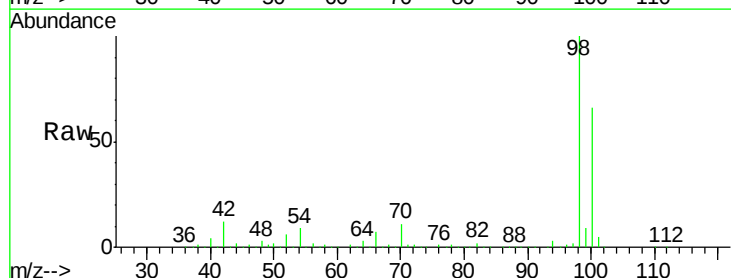
Acq: 10 May 2018 20:22

Tgt Ion: 98 Resp: 440684

Ion Ratio Lower Upper

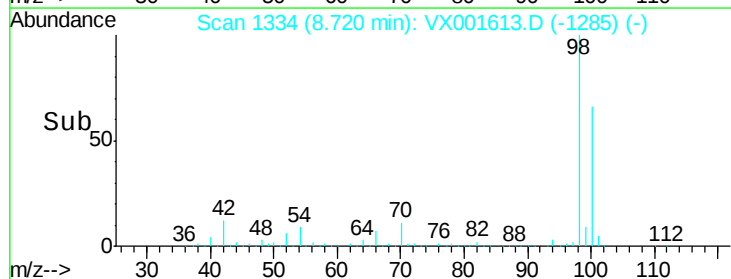
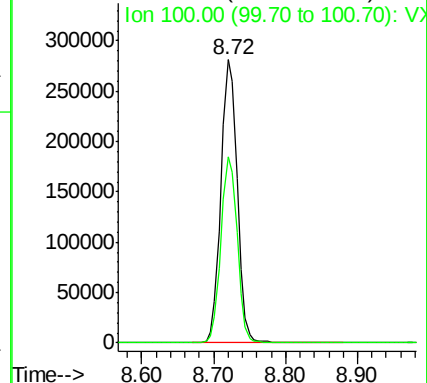
98 100

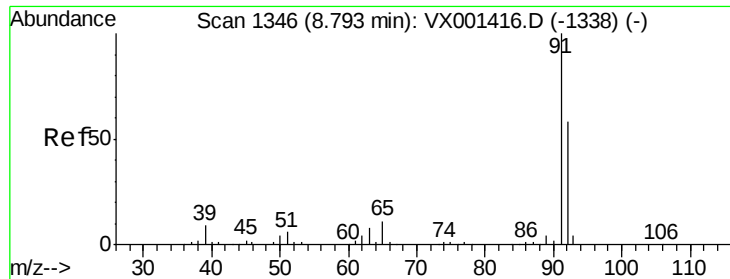
100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.33 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

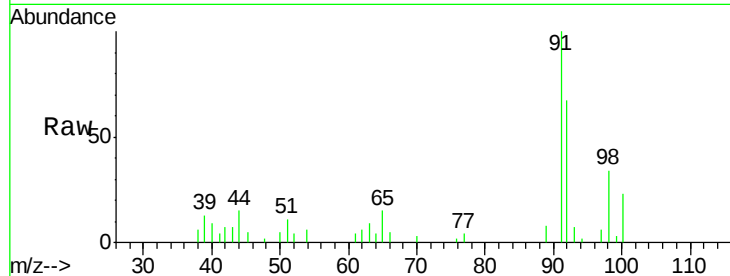
TP-9B

Tgt Ion: 92 Resp: 2538

Ion Ratio Lower Upper

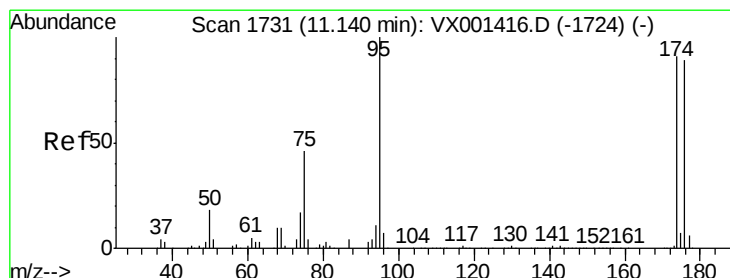
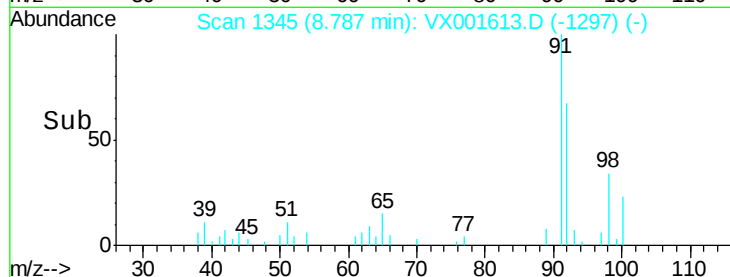
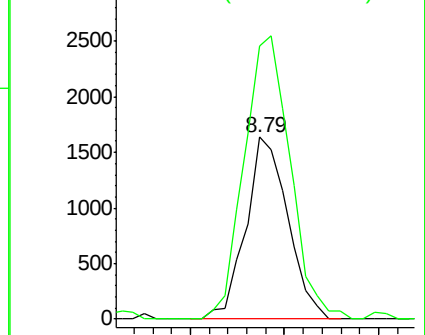
92 100

91 170.3 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 35.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

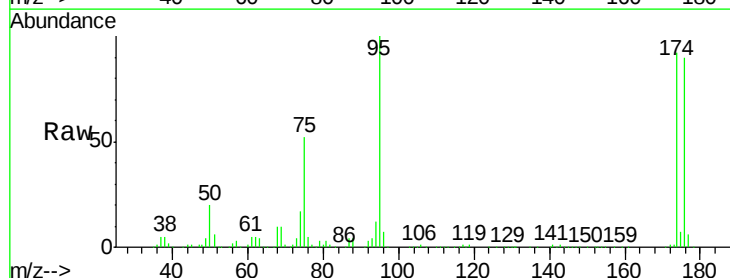
Tgt Ion: 95 Resp: 142243

Ion Ratio Lower Upper

95 100

174 102.2 0.0 202.0

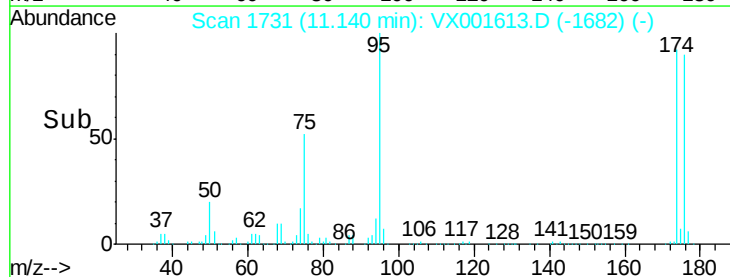
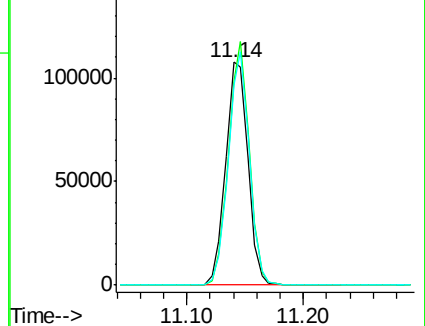
176 98.9 0.0 197.4

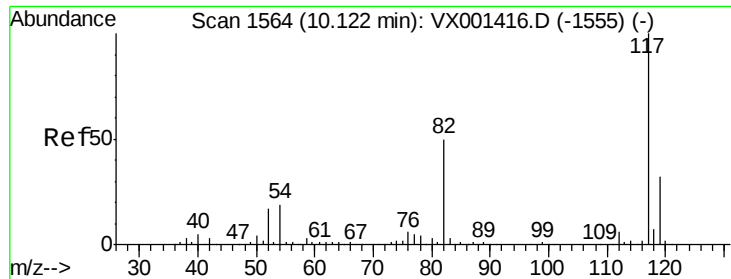


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

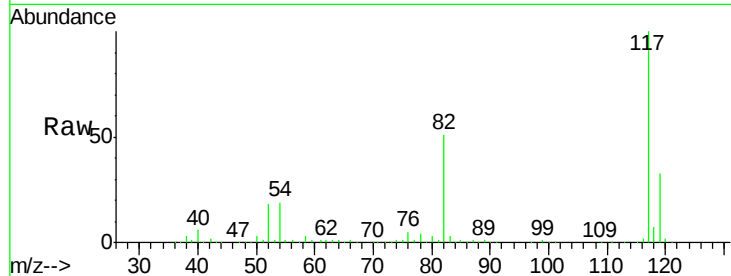




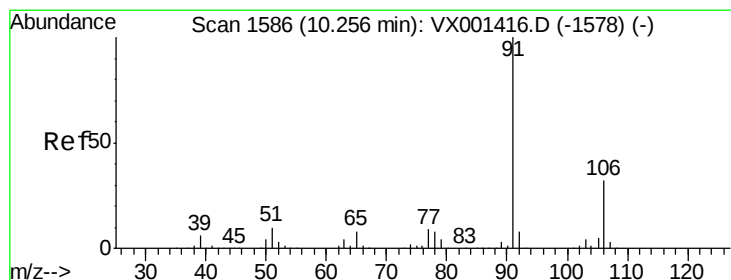
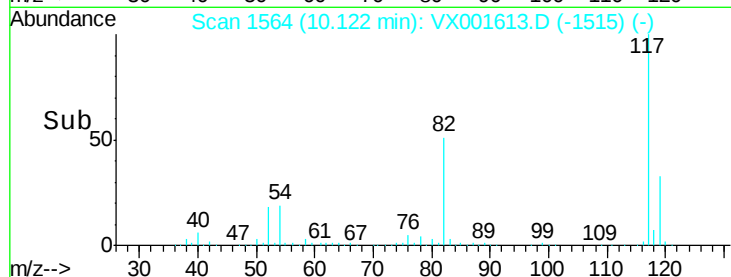
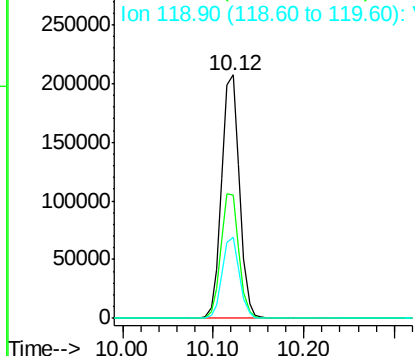
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Instrument :
MSVOA_X
ClientSampled :
TP-9B

Tgt Ion: 117 Resp: 284599
Ion Ratio Lower Upper
117 100
82 50.5 40.0 60.0
119 33.0 25.8 38.8

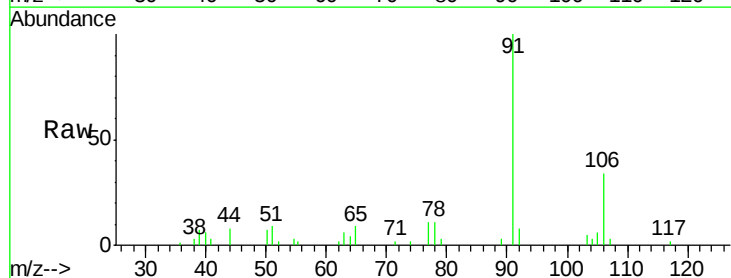


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

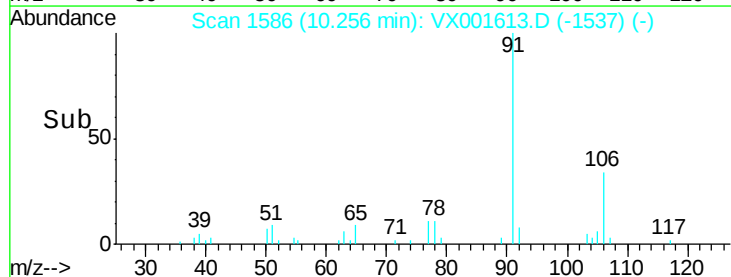
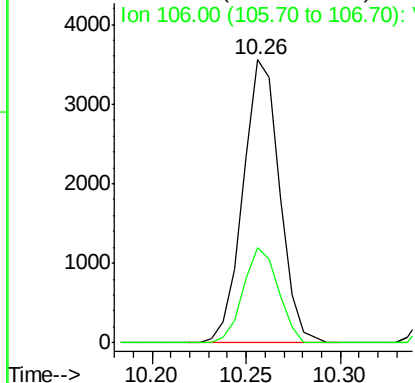


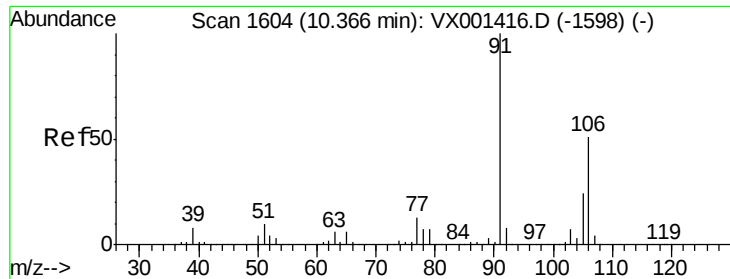
#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Tgt Ion: 91 Resp: 4789
Ion Ratio Lower Upper
91 100
106 33.6 25.5 38.3



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

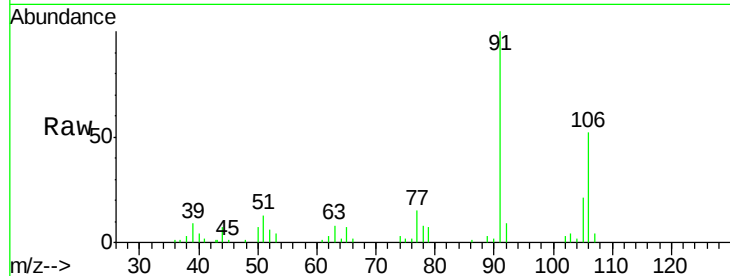




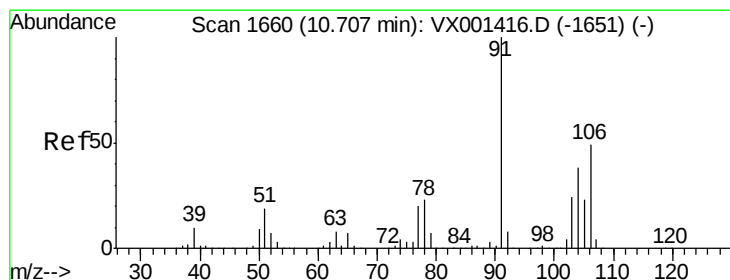
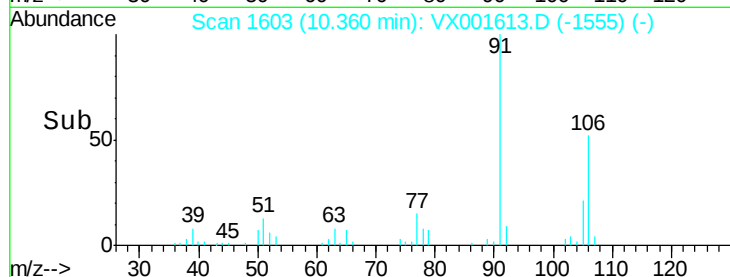
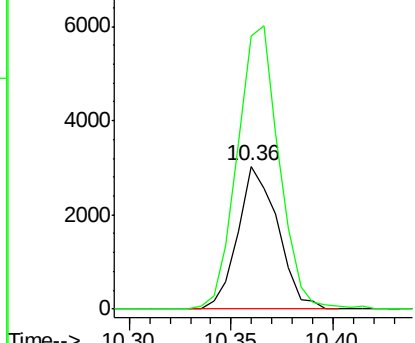
#68
m/p-Xylenes
Concen: 0.76 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Instrument :
MSVOA_X
ClientSampleId :
TP-9B

Tgt Ion:106 Resp: 4121
Ion Ratio Lower Upper
106 100
91 207.5 157.5 236.3

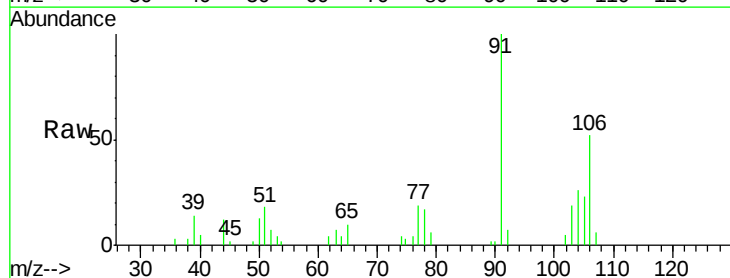


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

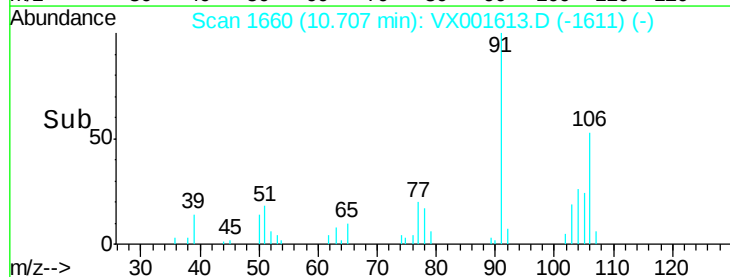
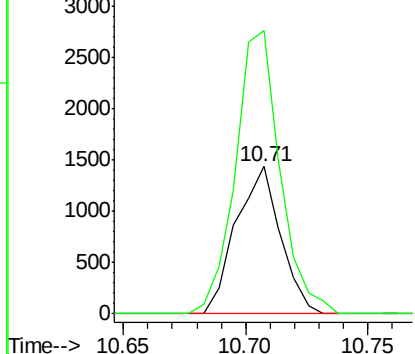


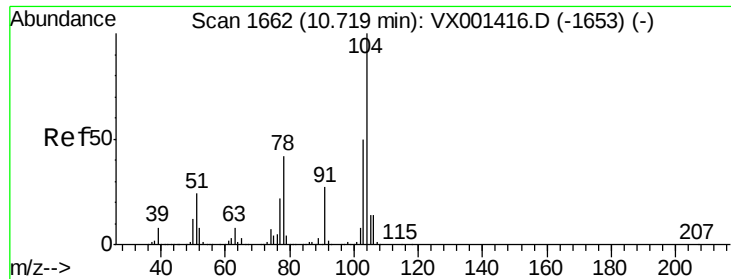
#69
o-Xylene
Concen: 0.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Tgt Ion:106 Resp: 1816
Ion Ratio Lower Upper
106 100
91 193.0 103.1 309.1



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

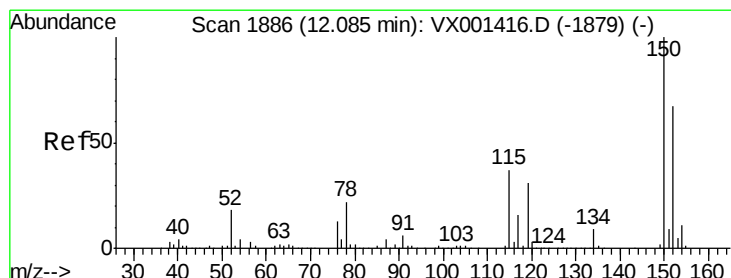
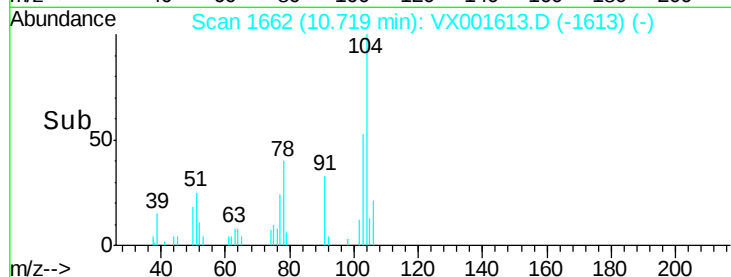
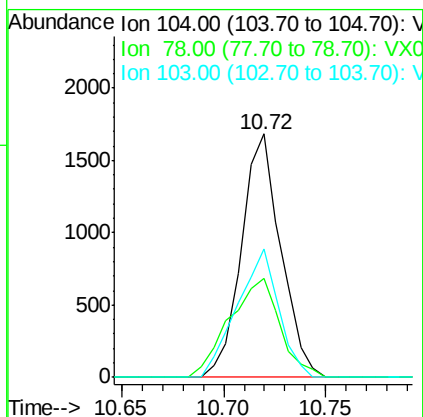
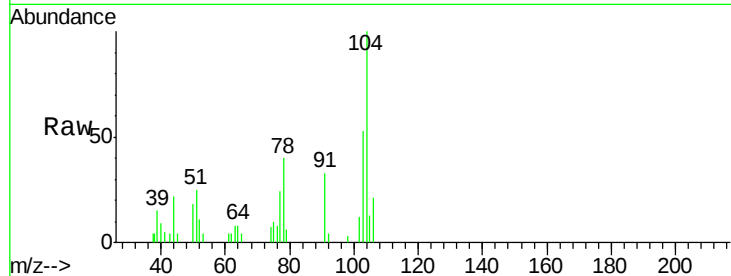




#70
Styrene
Concen: 0.26 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

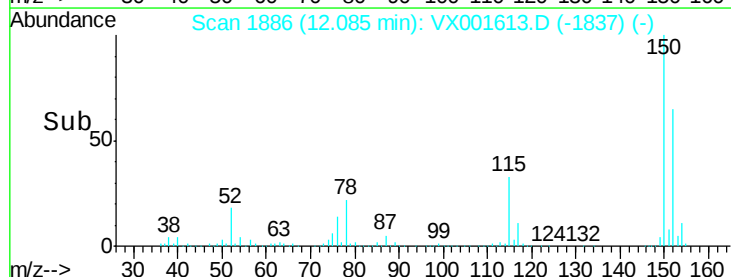
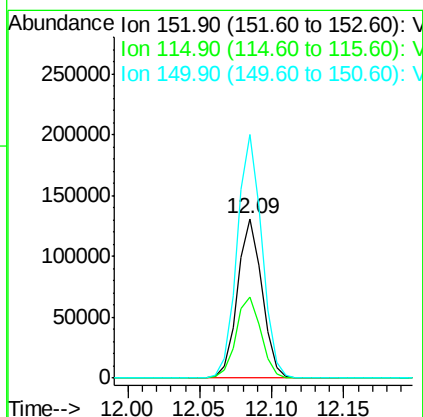
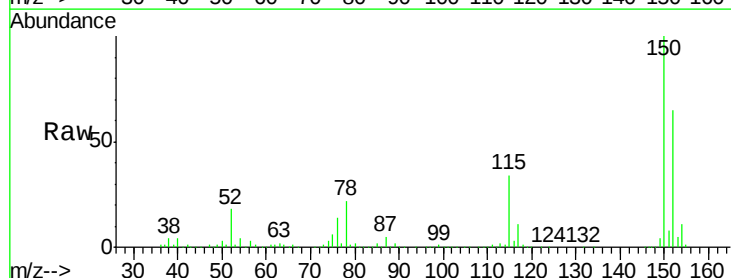
Instrument :
MSVOA_X
ClientSampleId :
TP-9B

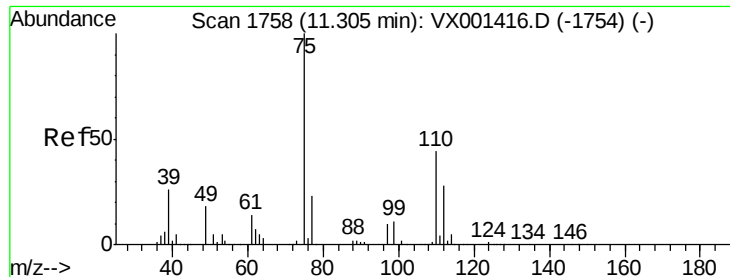
Tgt Ion:104 Resp: 2253
Ion Ratio Lower Upper
104 100
78 52.2 38.6 58.0
103 55.8 44.0 66.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001613.D
Acq: 10 May 2018 20:22

Tgt Ion:152 Resp: 155344
Ion Ratio Lower Upper
152 100
115 52.4 37.7 113.1
150 154.5 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 22.82 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampled :

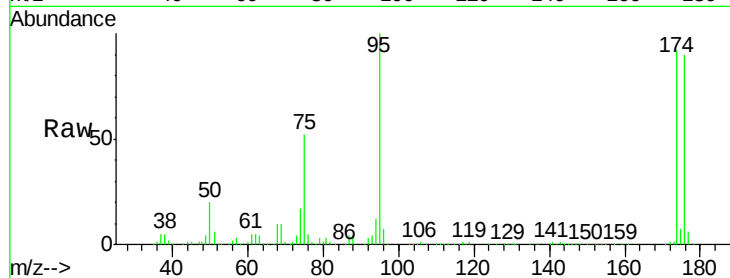
TP-9B

Tgt Ion: 75 Resp: 71901

Ion Ratio Lower Upper

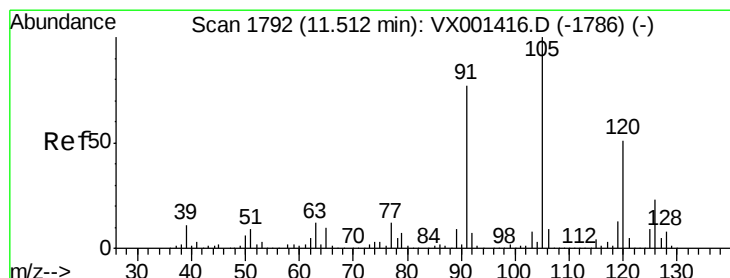
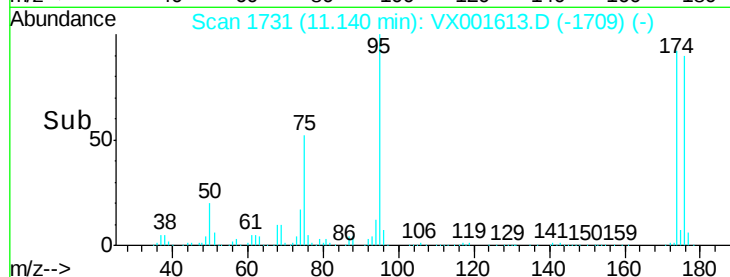
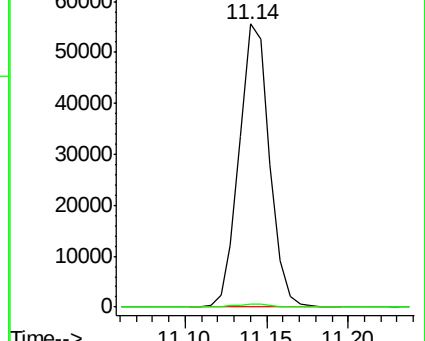
75 100

77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#80

1,3,5-Trimethylbenzene

Concen: 0.34 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001613.D

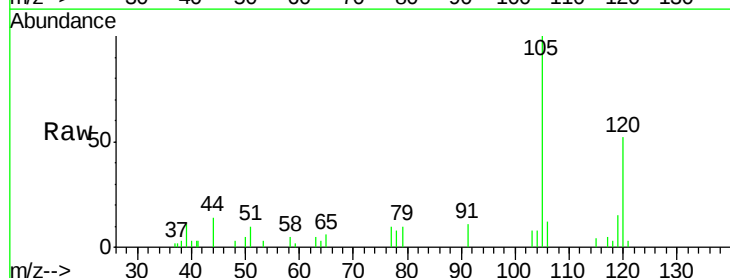
Acq: 10 May 2018 20:22

Tgt Ion: 105 Resp: 3069

Ion Ratio Lower Upper

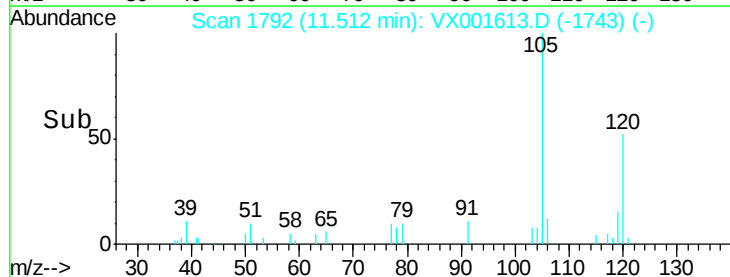
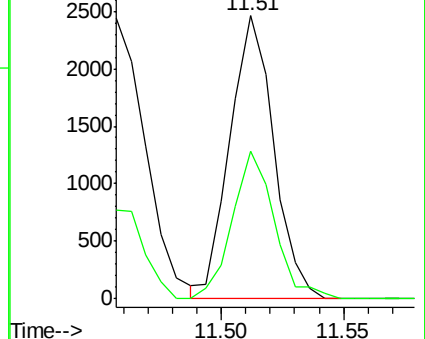
105 100

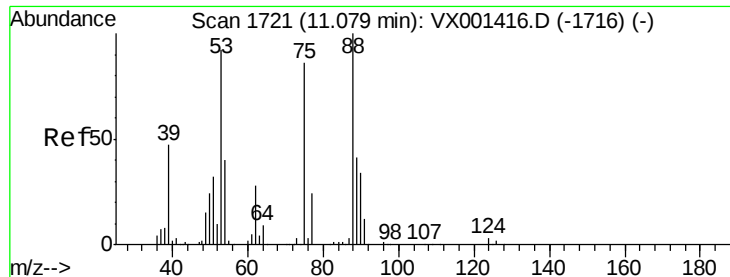
120 50.0 25.7 77.1



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: 70.81 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001613.D

Acq: 10 May 2018 20:22

Instrument :

MSVOA_X

ClientSampleId :

TP-9B

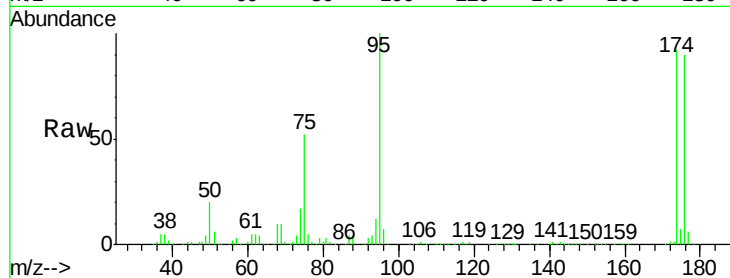
Tgt Ion: 75 Resp: 71901

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

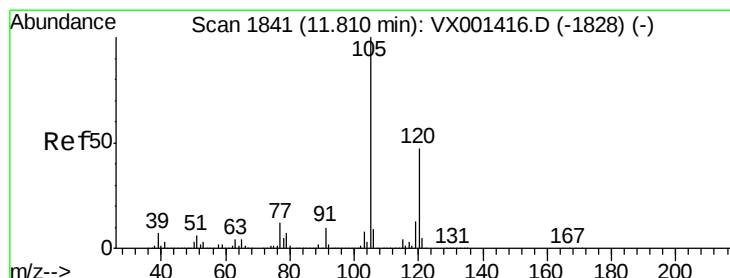
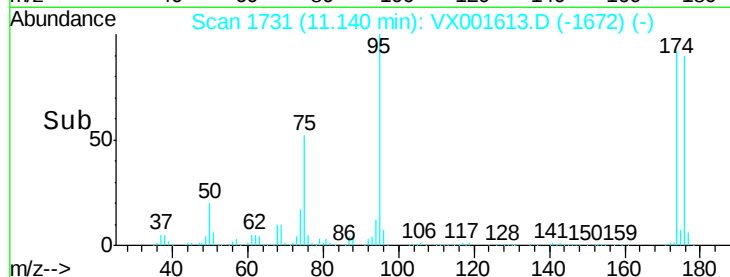
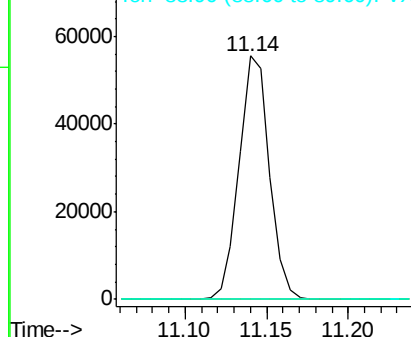
89 0.0 39.5 59.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 1.18 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001613.D

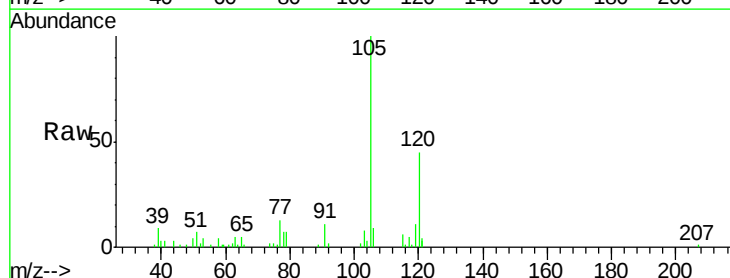
Acq: 10 May 2018 20:22

Tgt Ion: 105 Resp: 10887

Ion Ratio Lower Upper

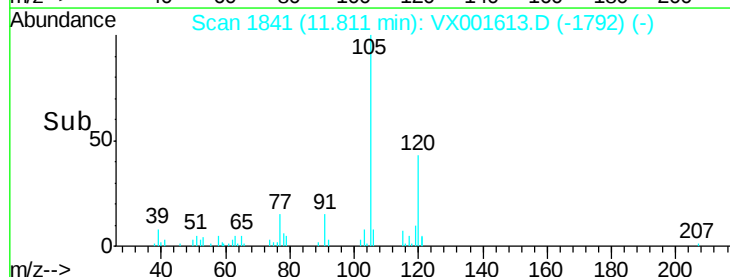
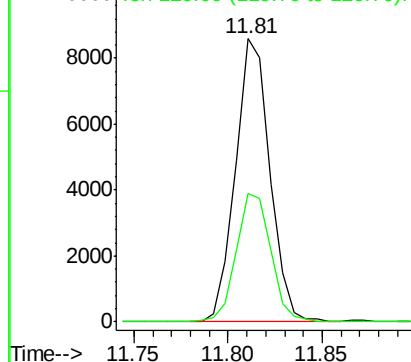
105 100

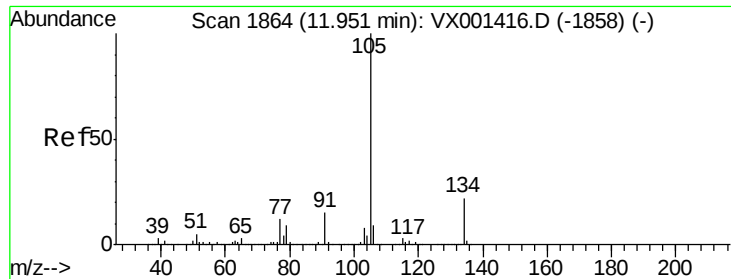
120 45.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

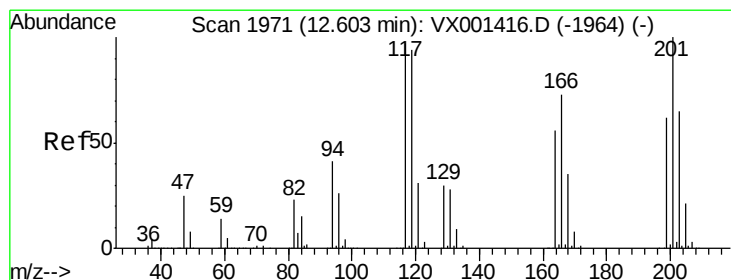
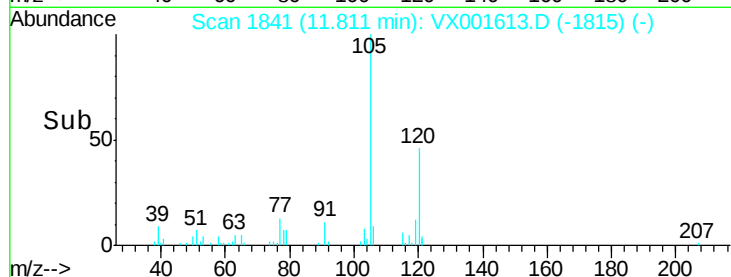
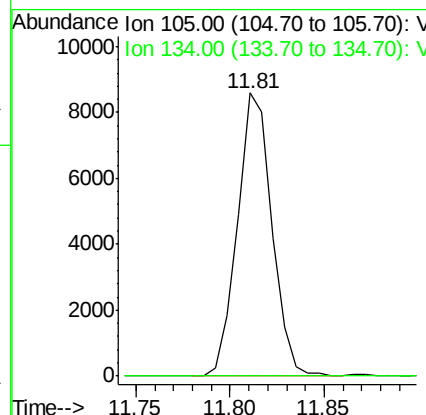
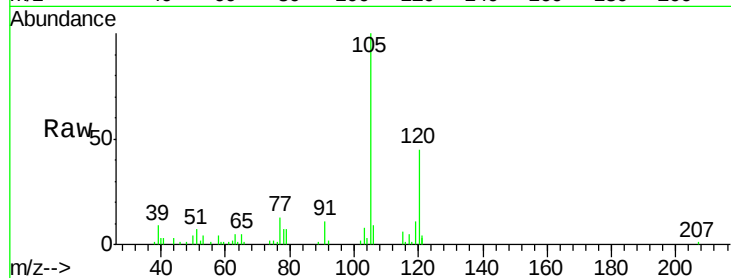




#85
 sec-Butylbenzene
 Concen: 1.02 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.14 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

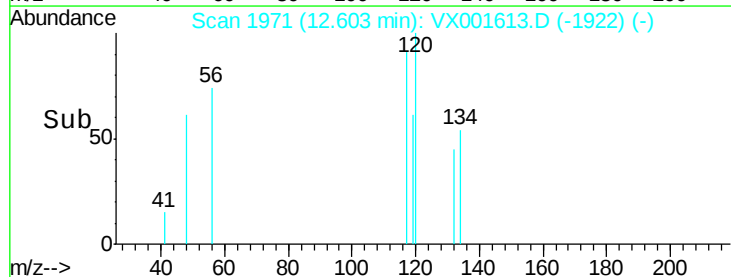
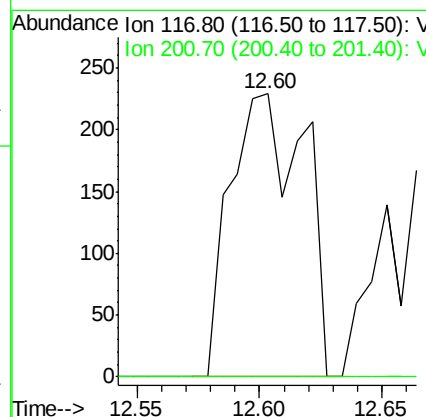
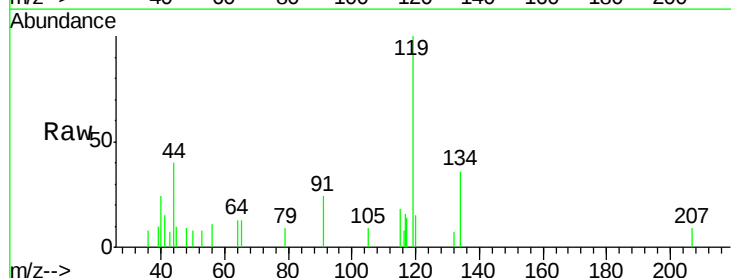
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-9B

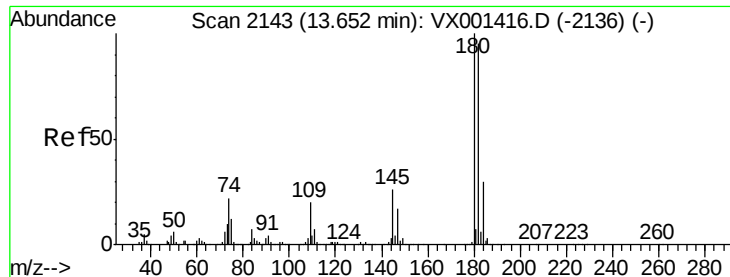
Tgt Ion:105 Resp: 10887
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.9#



#90
 Hexachloroethane
 Concen: 0.32 ug/l
 RT: 12.60 min Scan# 1971
 Delta R.T. 0.00 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

Tgt Ion:117 Resp: 478
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.5 154.5#

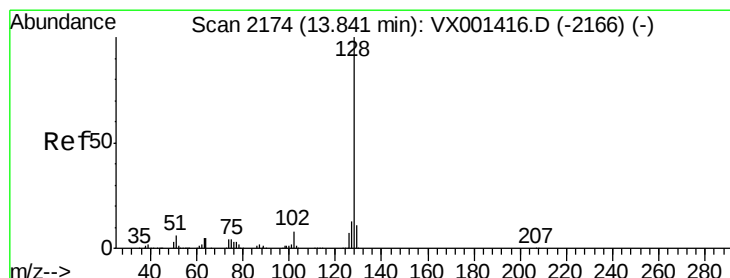
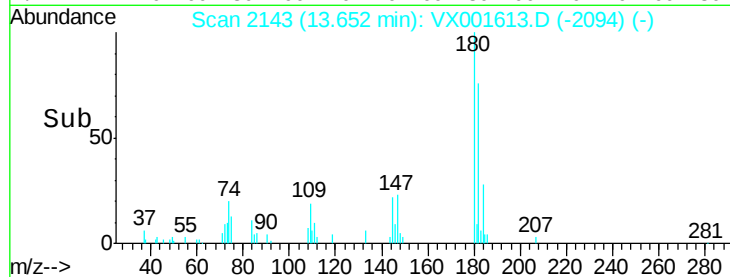
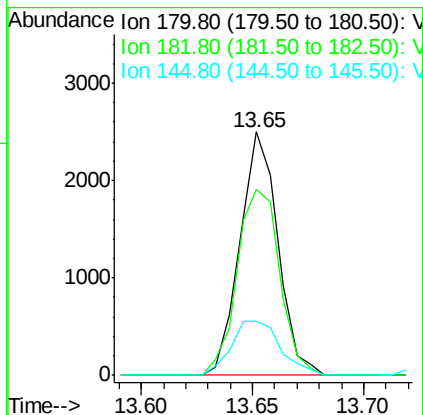
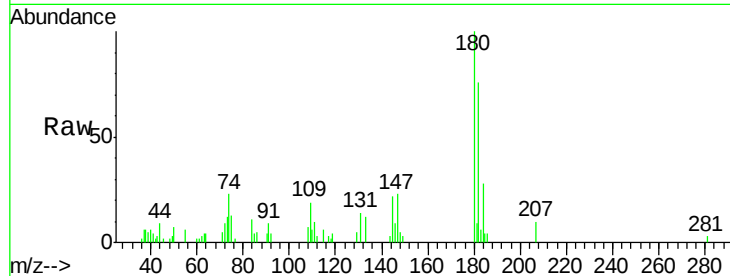




#93
 1,2,4-Trichlorobenzene
 Concen: 0.72 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-9B

Tgt Ion:180 Resp: 2978
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.8 143.4
 145 28.8 13.3 39.9



#95
 Naphthalene
 Concen: 14.62 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001613.D
 Acq: 10 May 2018 20:22

Tgt Ion:128 Resp: 168185
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 8.7 13.1

