

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001547.D
 Acq On : 09 May 2018 06:54
 Operator : JC/MD
 Sample : J2784-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RO-160

Quant Time: May 09 08:11:00 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	253936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	313550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174401	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	171320	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
35) Dibromofluoromethane	5.51	113	133438	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
50) Toluene-d8	8.72	98	486717	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	
62) 4-Bromofluorobenzene	11.14	95	160660	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	

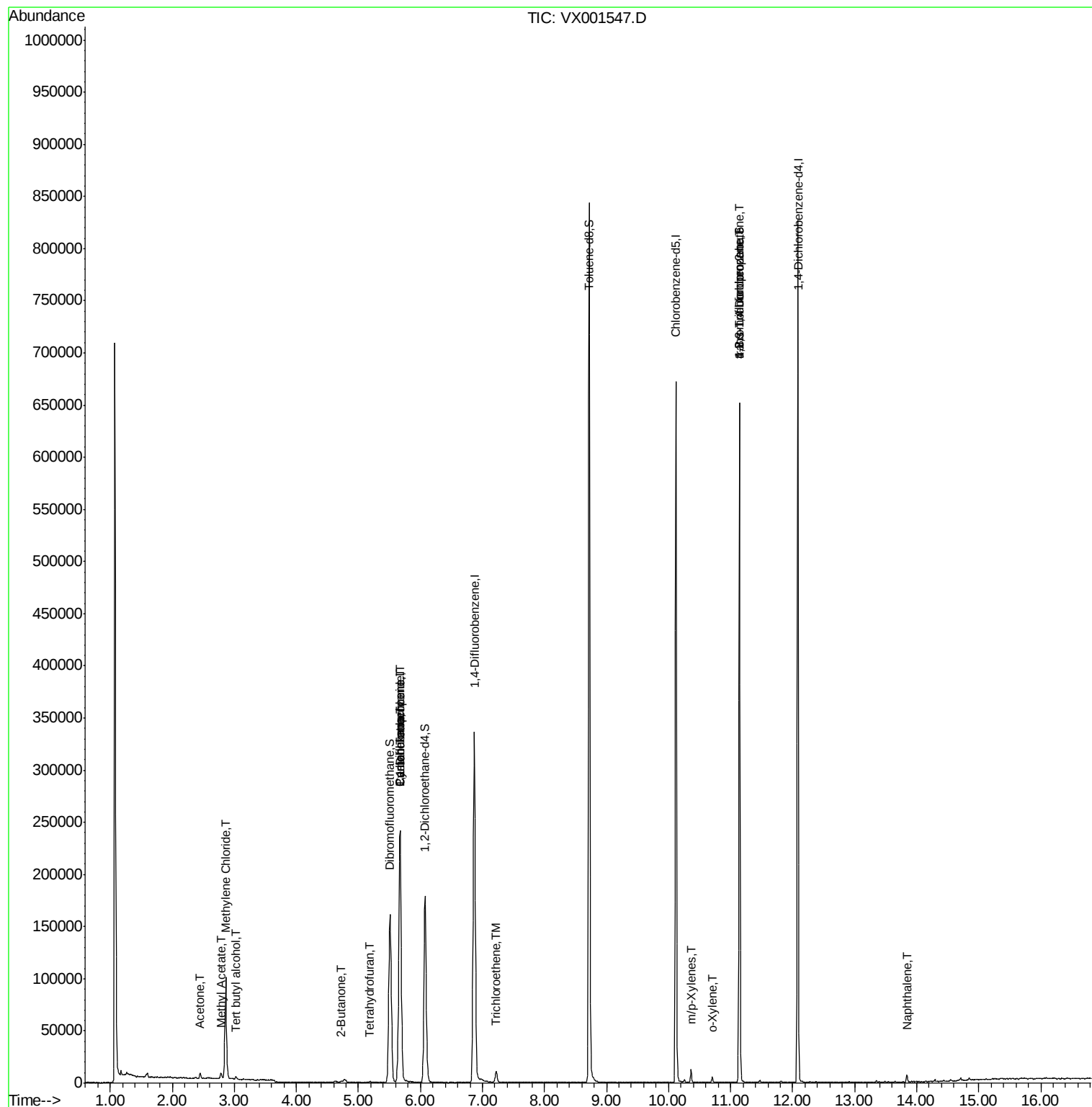
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	67	Below Cal	#	3
11) Tert butyl alcohol	3.03	59	1464	1.90	ug/l	85
13) Acrolein	2.31	56	26	Below Cal	#	16
16) Acetone	2.45	43	5218	3.15	ug/l	96
18) Methyl Acetate	2.78	43	6797	1.56	ug/l	99
20) Methylene Chloride	2.86	84	44768	13.64	ug/l	97
25) 2-Butanone	4.71	43	1477	0.62	ug/l	84
29) Tetrahydrofuran	5.18	42	857	0.56	ug/l	60
31) Cyclohexane	5.67	56	4486	0.96	ug/l	30
36) 1,1-Dichloropropene	5.67	75	15528	3.53	ug/l	49
38) Carbon Tetrachloride	5.67	117	21577	4.60	ug/l	16
44) Trichloroethene	7.22	130	4177	1.06	ug/l	87
68) m/p-Xylenes	10.37	106	2904	0.49	ug/l	95
69) o-Xylene	10.70	106	1162	0.20	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	81824	23.13	ug/l	38
81) trans-1,4-Dichloro-2-buten	11.14	75	81824	71.72	ug/l	7
95) Naphthalene	13.84	128	4400	0.34	ug/l	97

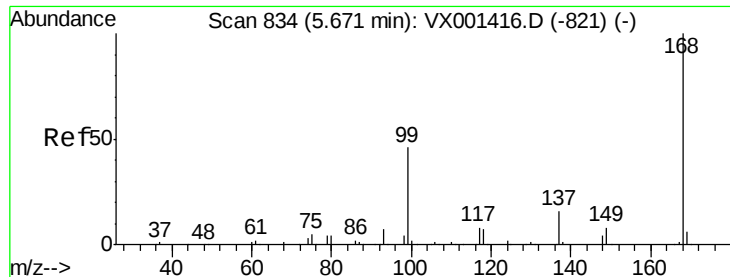
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

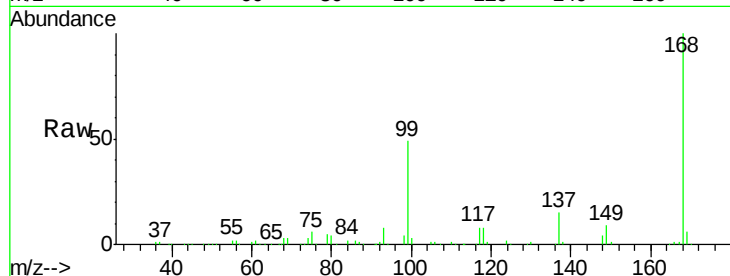
RO-160

Tgt Ion:168 Resp: 253936

Ion Ratio Lower Upper

168 100

99 48.6 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

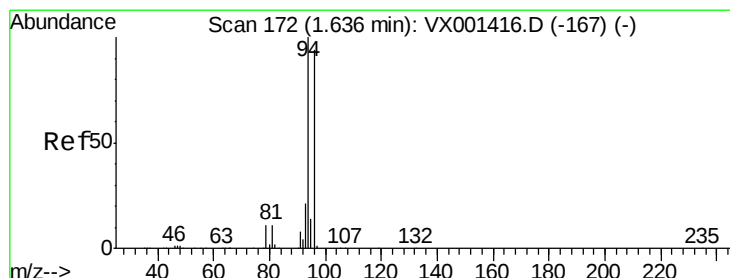
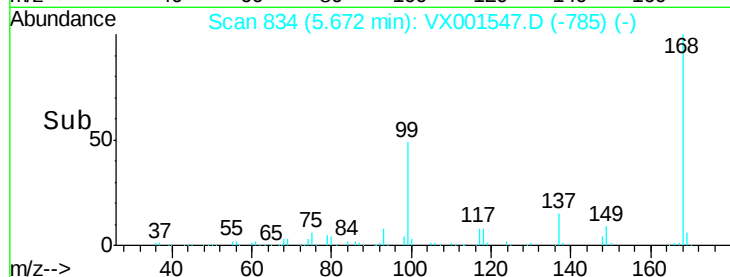
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001547.D

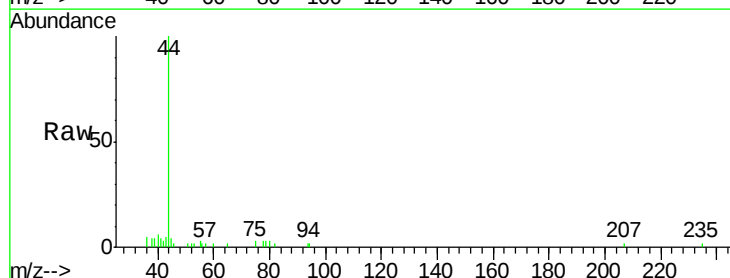
Acq: 09 May 2018 06:54

Tgt Ion: 94 Resp: 67

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

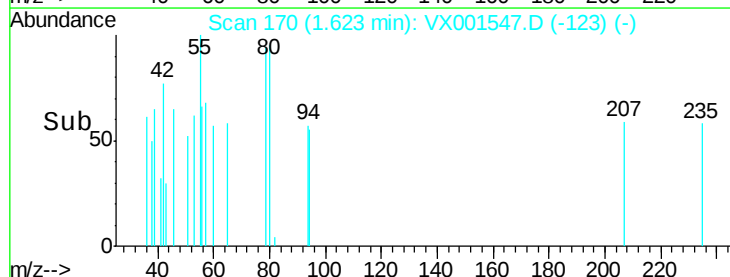
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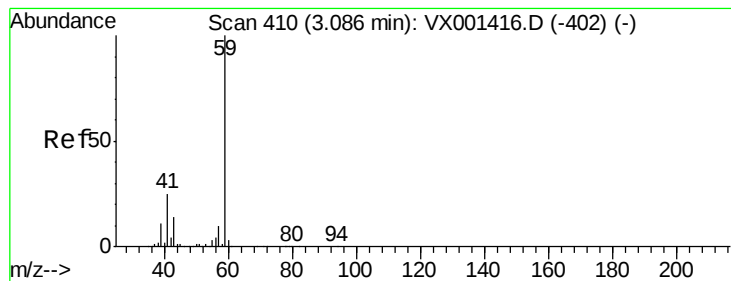
50

0

Time-->

1.61 1.62 1.63





#11

Tert butyl alcohol

Concen: 1.90 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

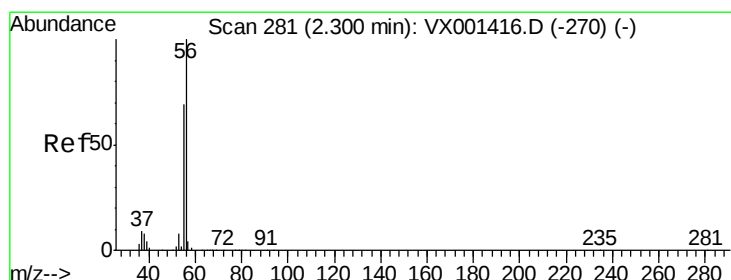
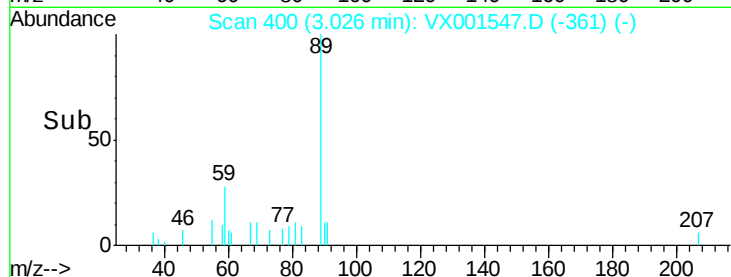
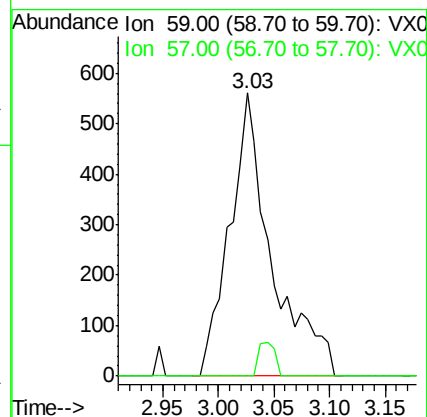
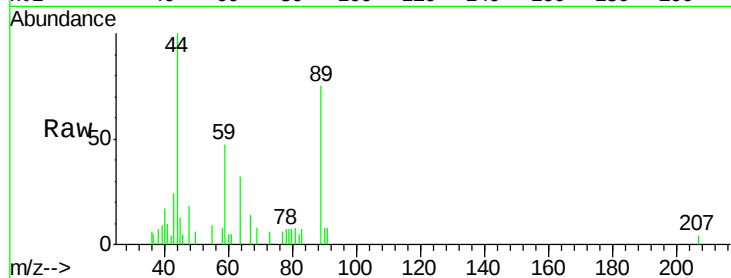
RO-160

Tgt Ion: 59 Resp: 1464

Ion Ratio Lower Upper

59 100

57 4.6 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX001547.D

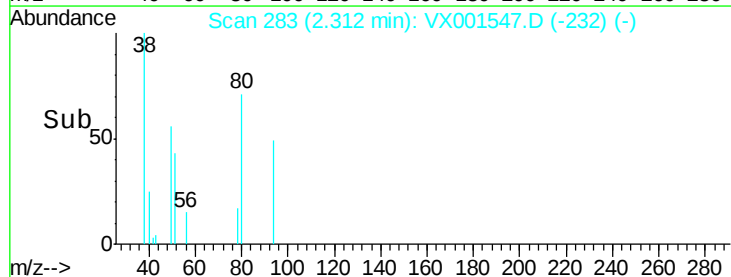
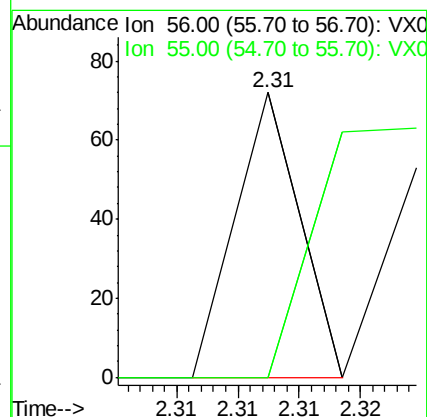
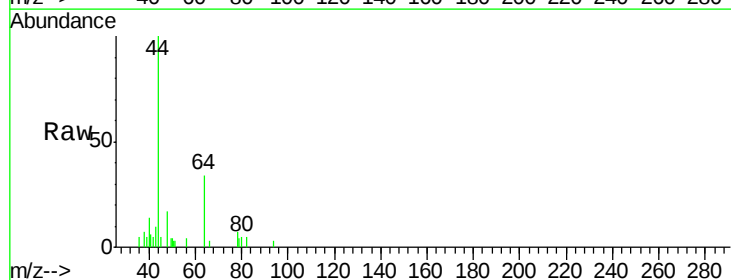
Acq: 09 May 2018 06:54

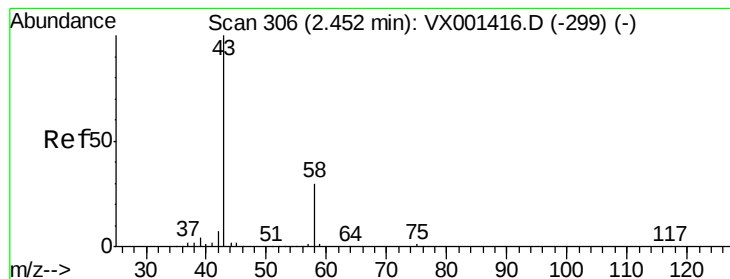
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#





#16

Acetone

Concen: 3.15 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

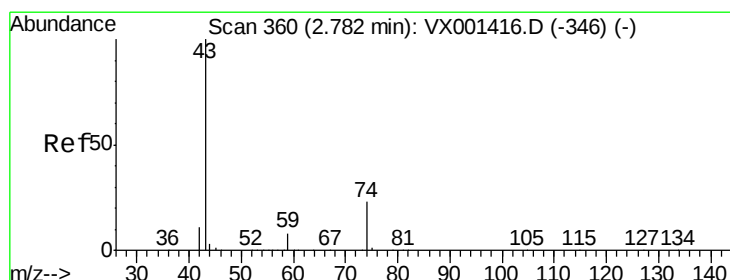
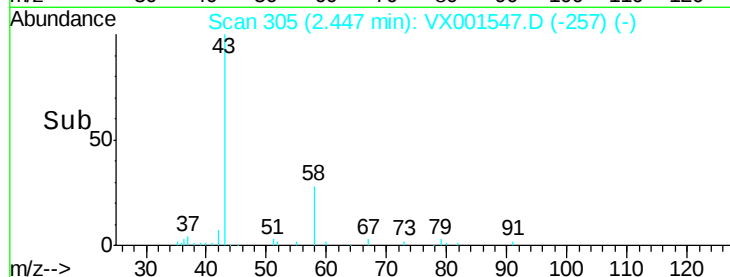
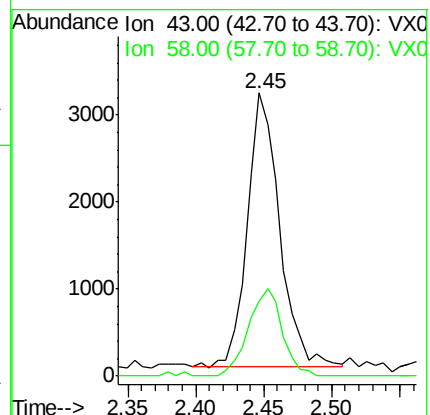
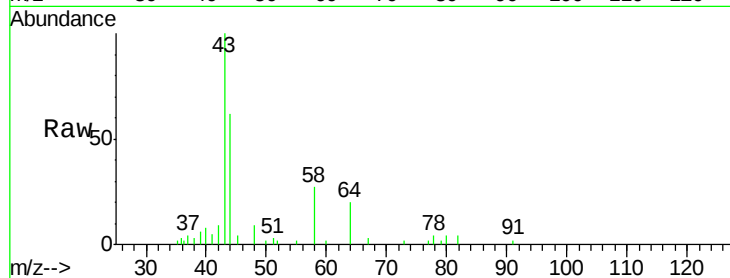
RO-160

Tgt Ion: 43 Resp: 5218

Ion Ratio Lower Upper

43 100

58 27.5 23.8 35.8



#18

Methyl Acetate

Concen: 1.56 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001547.D

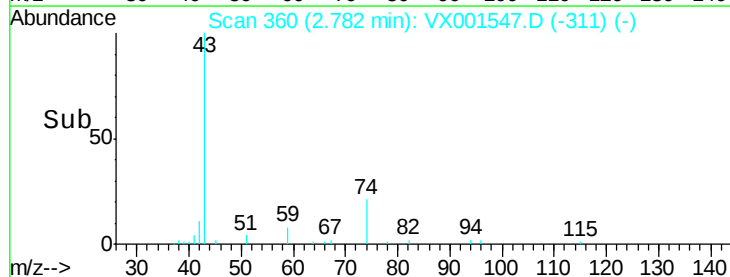
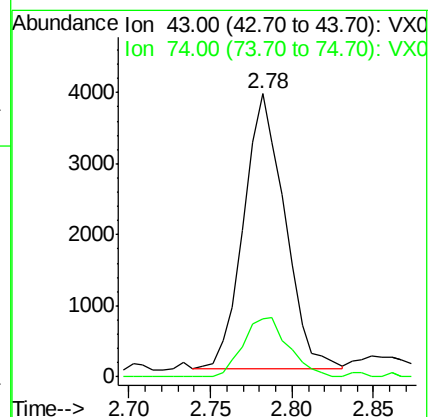
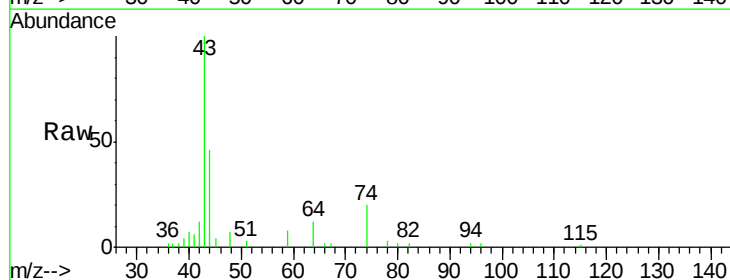
Acq: 09 May 2018 06:54

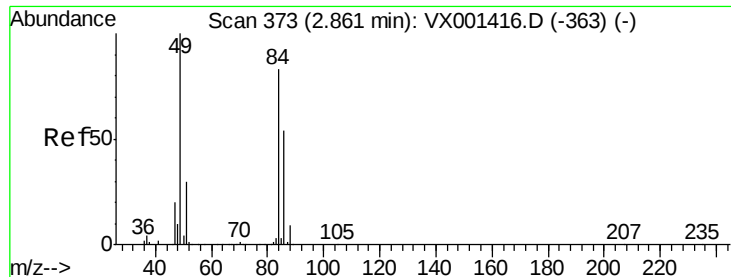
Tgt Ion: 43 Resp: 6797

Ion Ratio Lower Upper

43 100

74 23.7 18.6 27.8

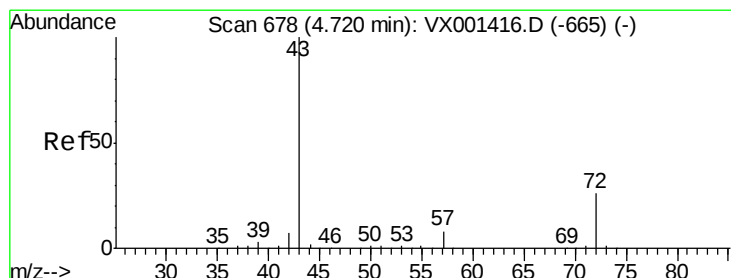
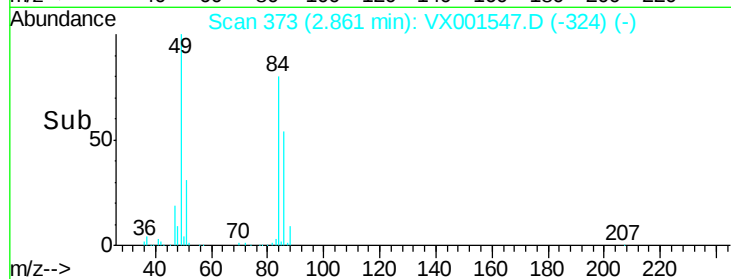
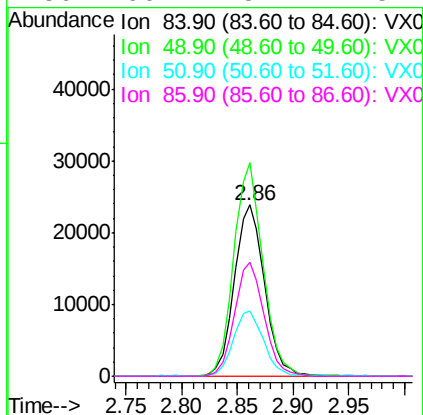
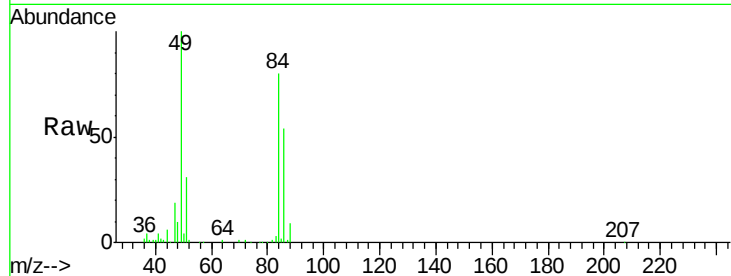




#20
Methylene Chloride
Concen: 13.64 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

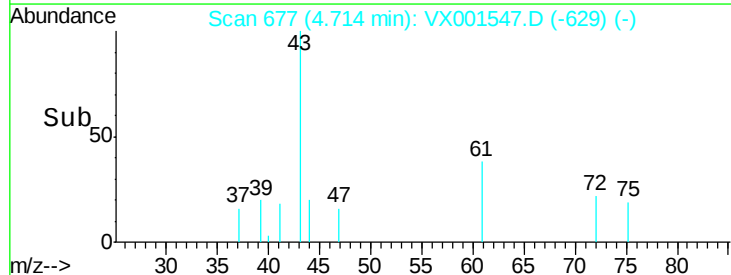
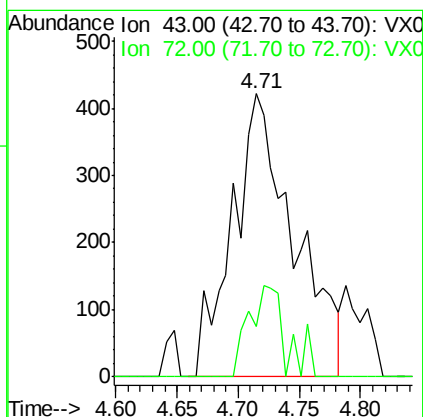
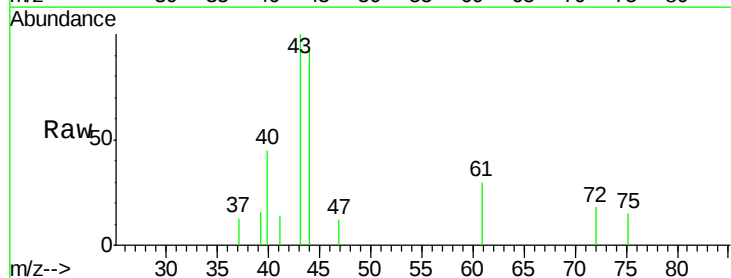
Instrument :
MSVOA_X
ClientSampled :
RO-160

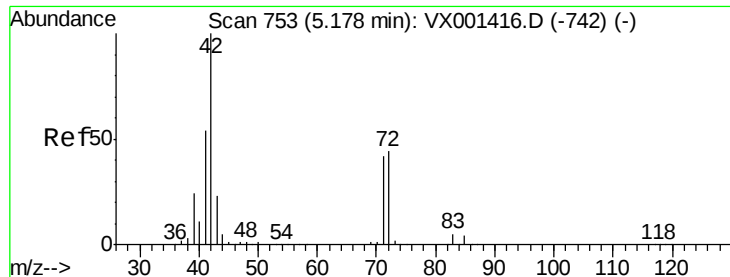
Tgt Ion:	84	Resp:	44768
Ion	Ratio	Lower	Upper
84	100		
49	124.5	96.6	144.8
51	38.0	29.0	43.4
86	66.7	52.2	78.4



#25
2-Butanone
Concen: 0.62 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

Tgt Ion:	43	Resp:	1477
Ion	Ratio	Lower	Upper
43	100		
72	17.5	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

RO-160

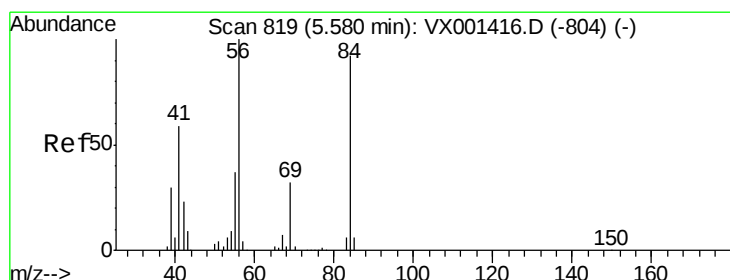
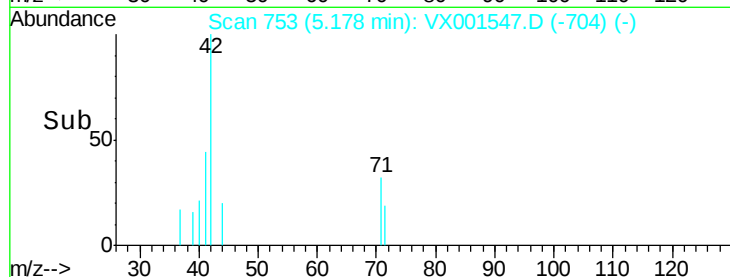
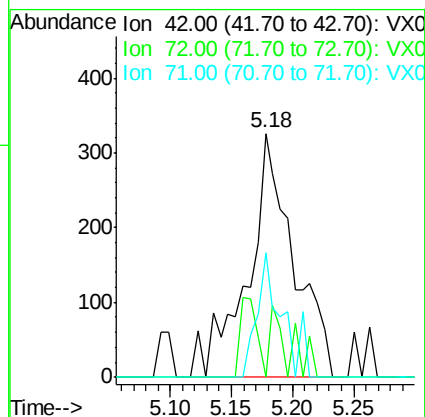
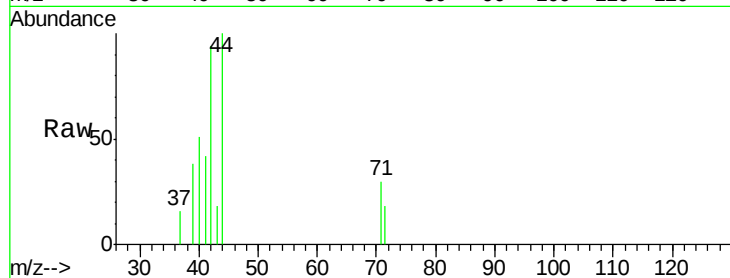
Tgt Ion: 42 Resp: 857

Ion Ratio Lower Upper

42 100

72 6.9 35.4 53.2#

71 28.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

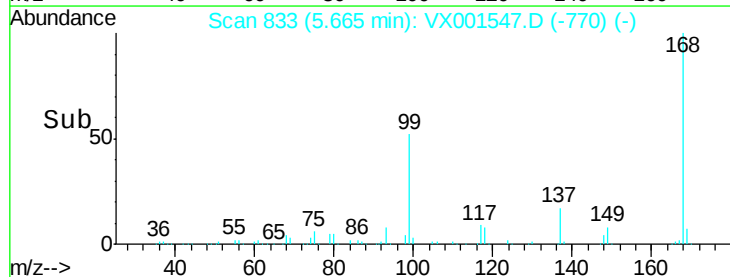
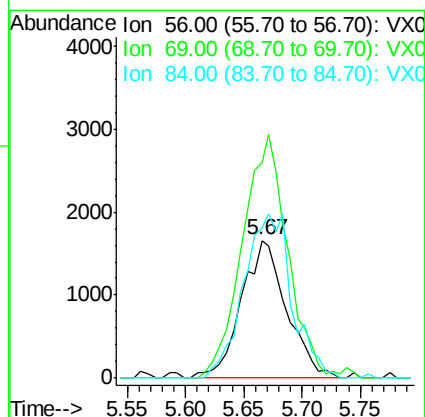
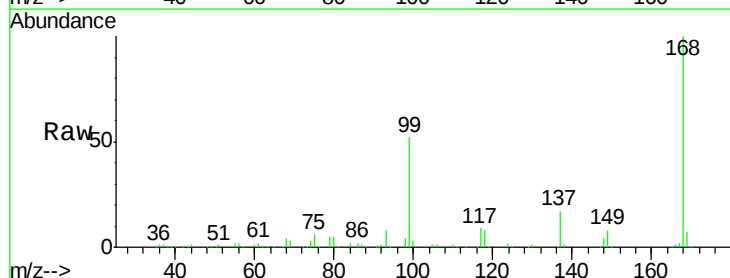
Tgt Ion: 56 Resp: 4486

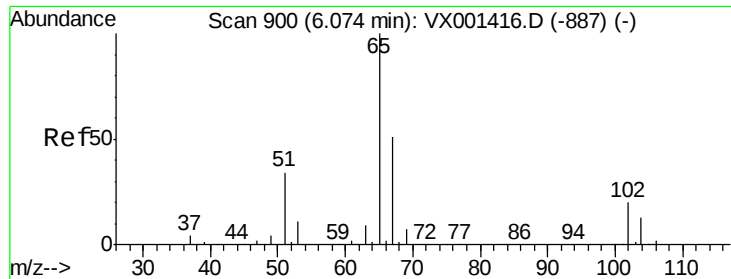
Ion Ratio Lower Upper

56 100

69 156.1 25.4 38.0#

84 109.2 73.8 110.8





#33

1,2-Dichloroethane-d4

Concen: 46.94 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

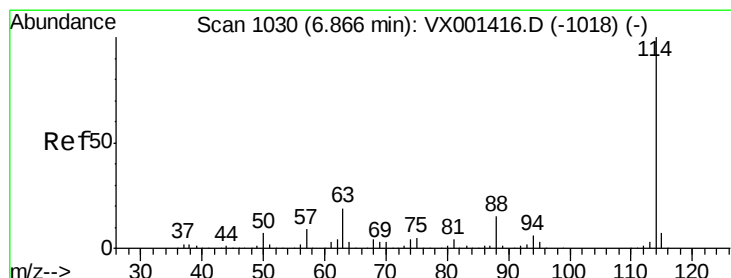
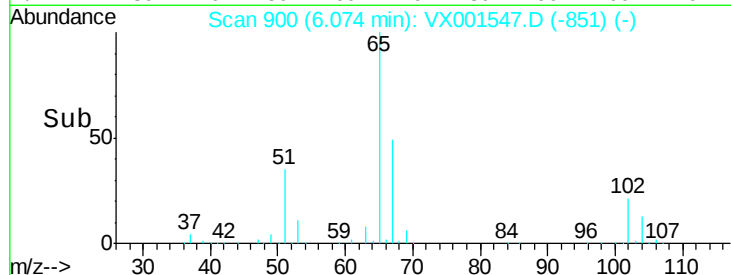
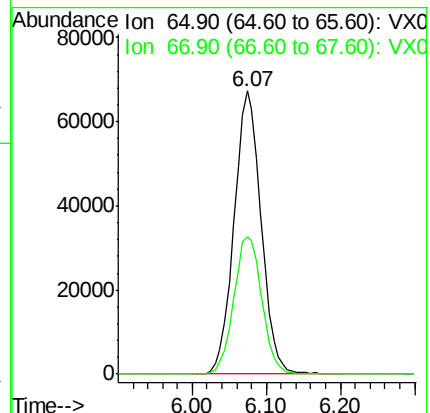
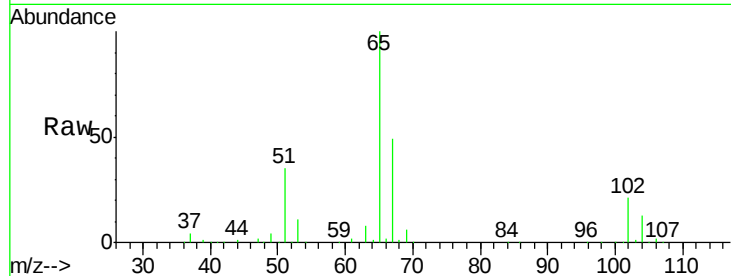
RO-160

Tgt Ion: 65 Resp: 171320

Ion Ratio Lower Upper

65 100

67 50.5 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: VX001547.D

Acq: 09 May 2018 06:54

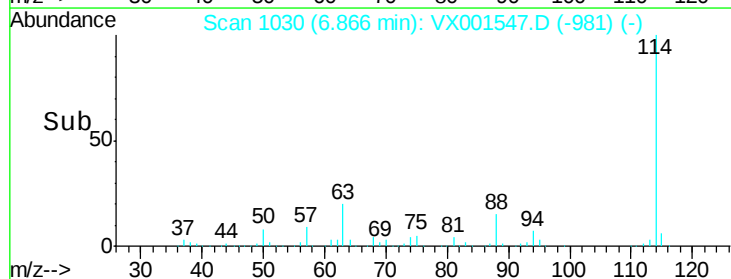
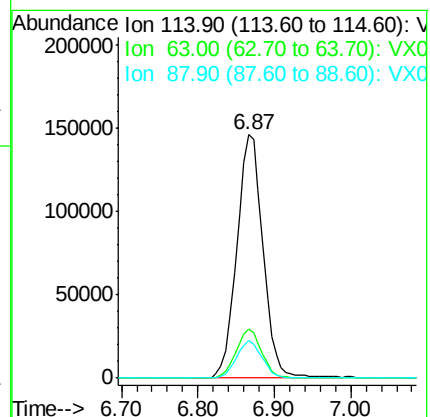
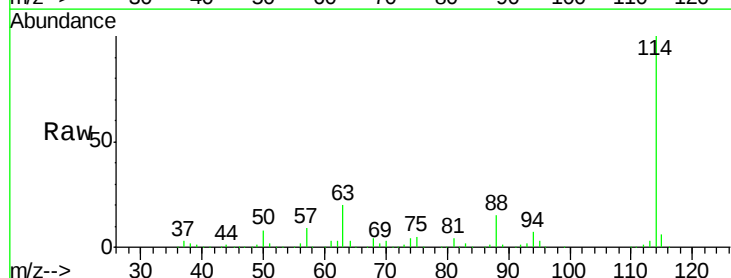
Tgt Ion: 114 Resp: 345896

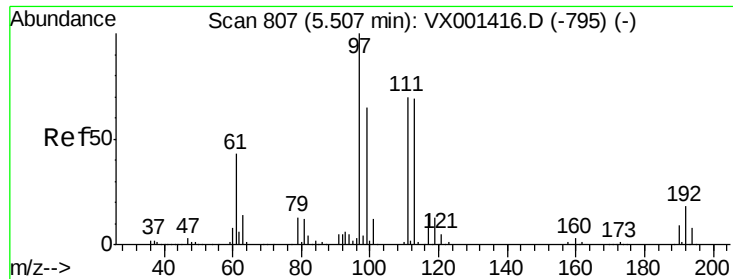
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.37 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

RO-160

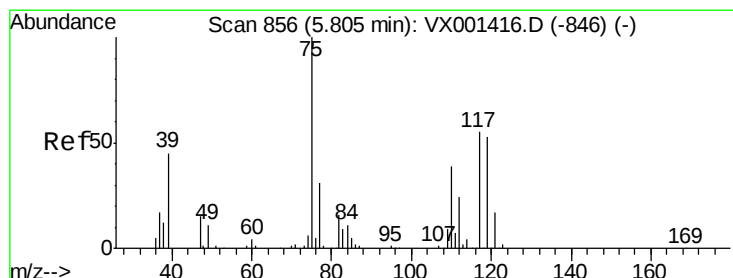
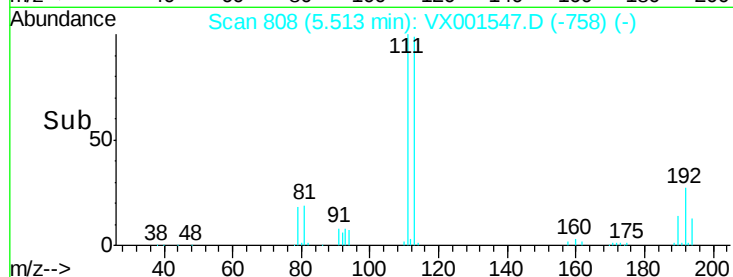
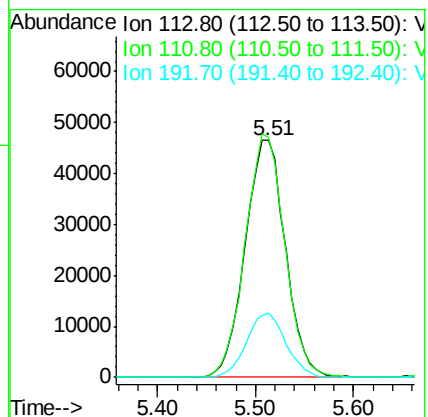
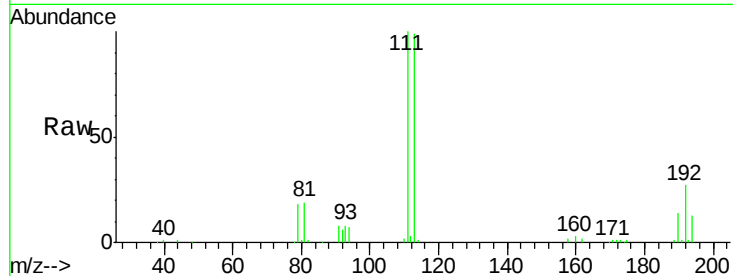
Tgt Ion:113 Resp: 133438

Ion Ratio Lower Upper

113 100

111 100.9 82.2 123.2

192 26.5 21.4 32.0



#36

1,1-Dichloropropene

Concen: 3.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

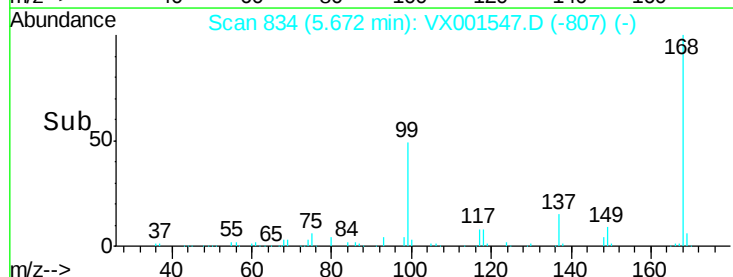
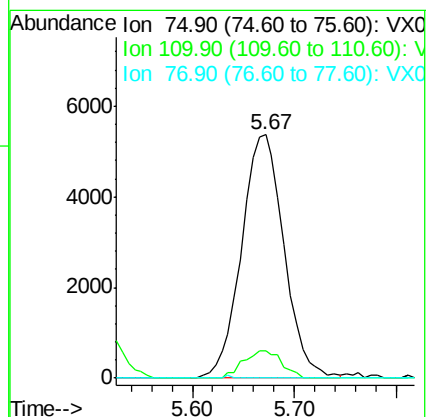
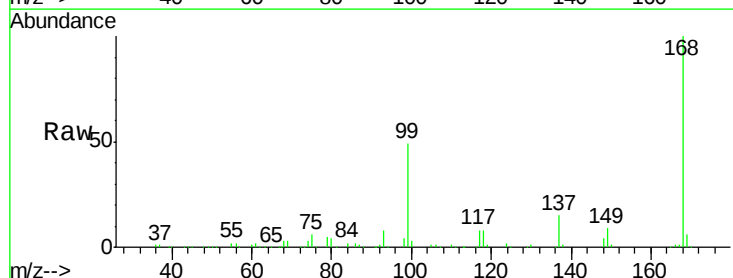
Tgt Ion: 75 Resp: 15528

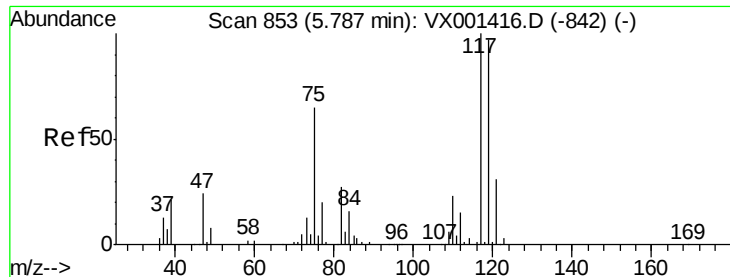
Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.7#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampled :

RO-160

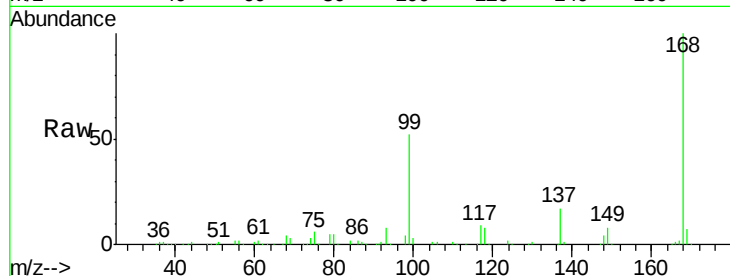
Tgt Ion:117 Resp: 21577

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

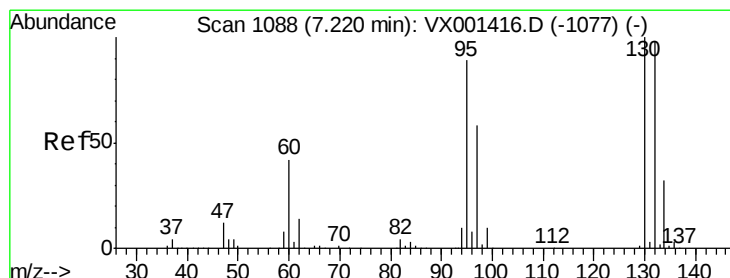
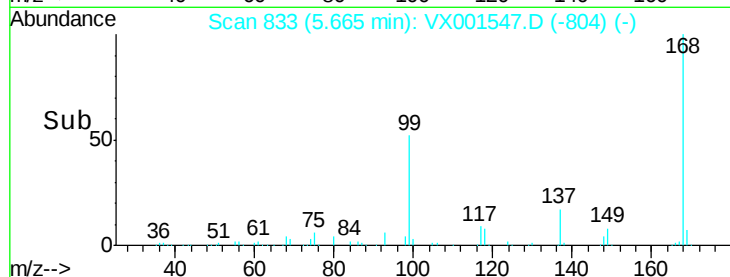
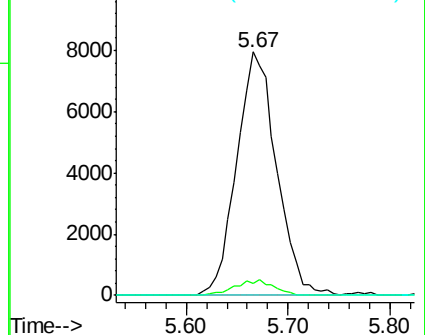
121 0.0 25.1 37.7#



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: 1.06 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001547.D

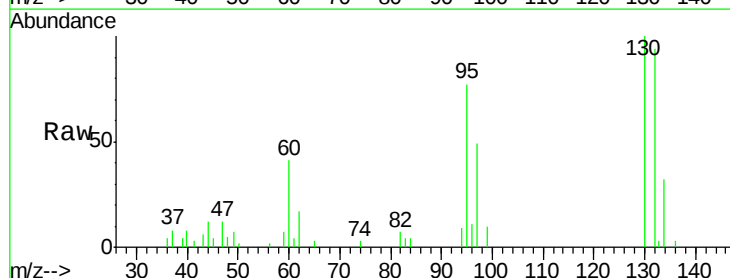
Acq: 09 May 2018 06:54

Tgt Ion:130 Resp: 4177

Ion Ratio Lower Upper

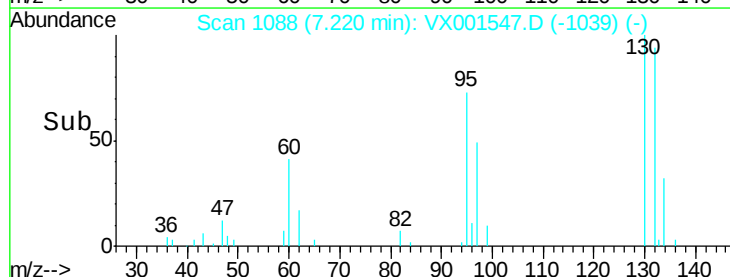
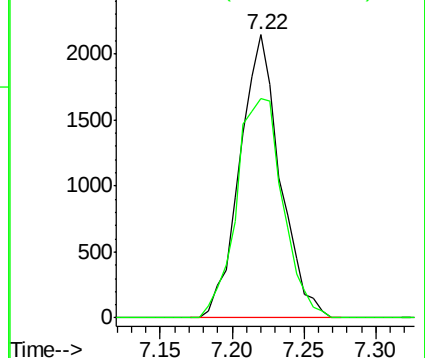
130 100

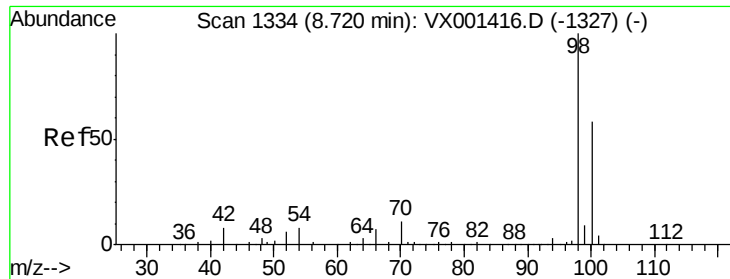
95 77.3 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 43.34 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

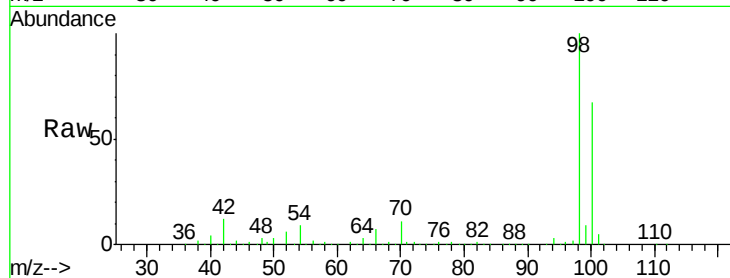
RO-160

Tgt Ion: 98 Resp: 486717

Ion Ratio Lower Upper

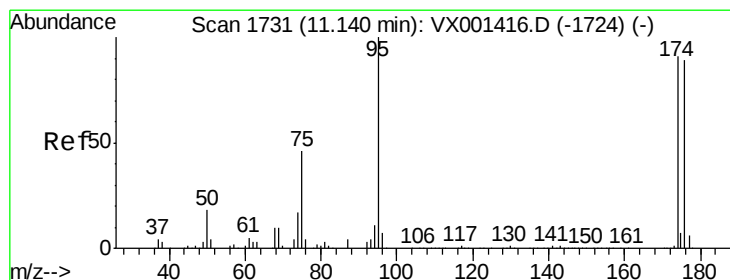
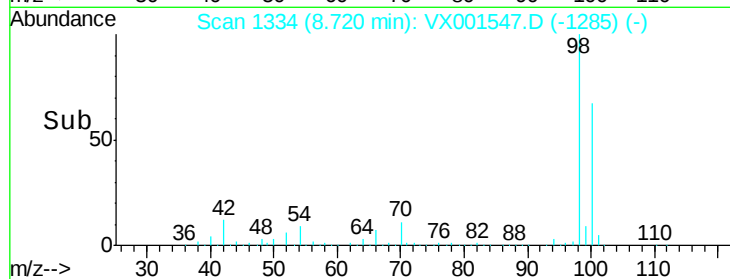
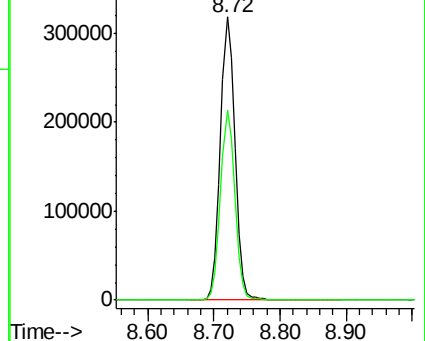
98 100

100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 37.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

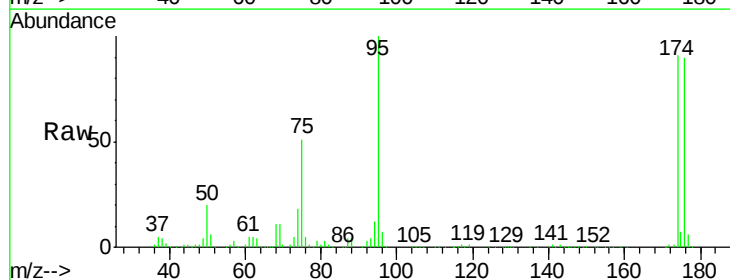
Tgt Ion: 95 Resp: 160660

Ion Ratio Lower Upper

95 100

174 101.3 0.0 202.0

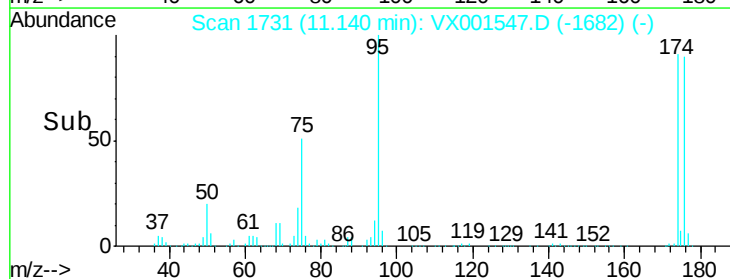
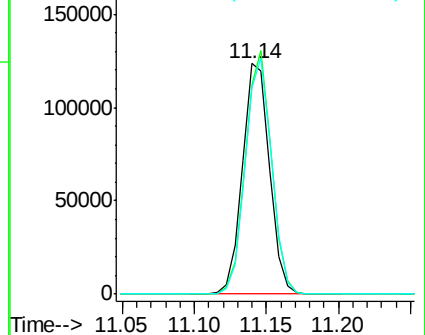
176 99.4 0.0 197.4

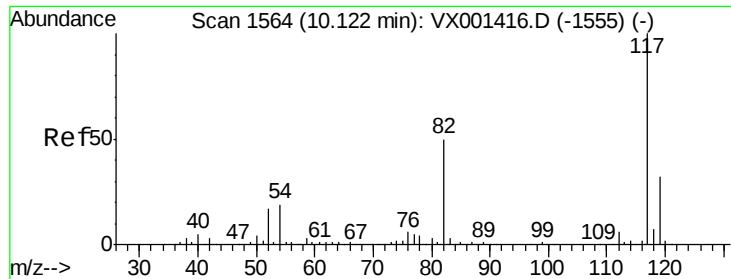


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

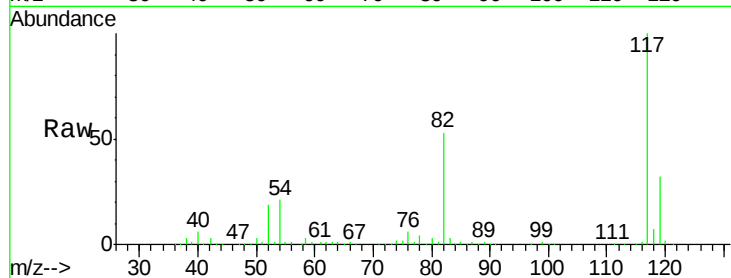




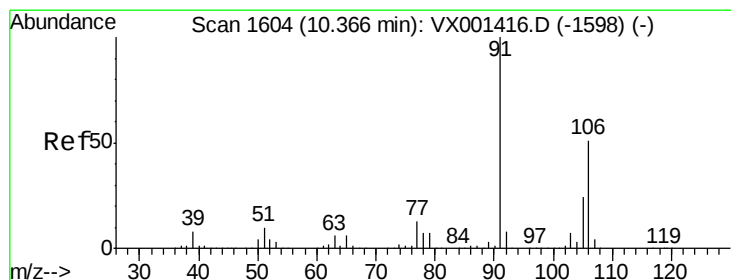
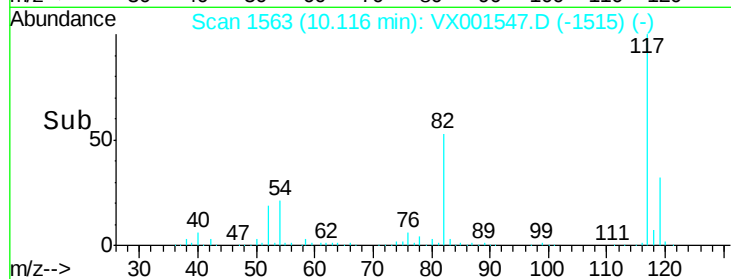
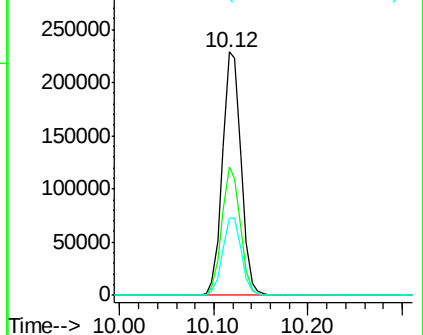
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

Instrument :
MSVOA_X
ClientSampleId :
RO-160

Tgt Ion:117 Resp: 313550
Ion Ratio Lower Upper
117 100
82 52.6 40.0 60.0
119 31.8 25.8 38.8

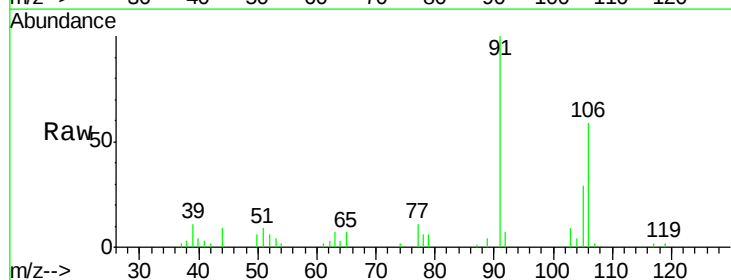


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

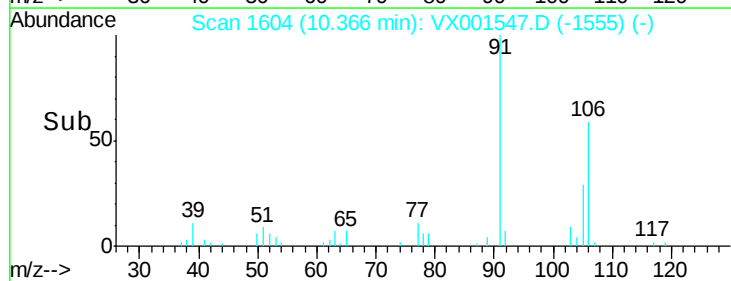
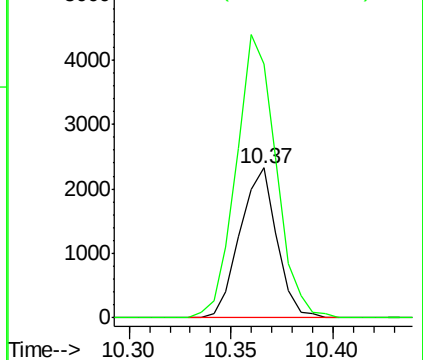


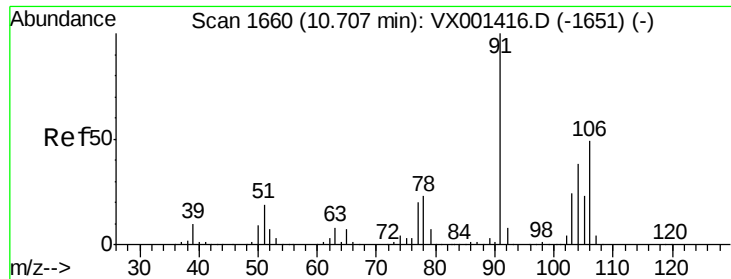
#68
m/p-Xylenes
Concen: 0.49 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

Tgt Ion:106 Resp: 2904
Ion Ratio Lower Upper
106 100
91 204.5 157.5 236.3



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

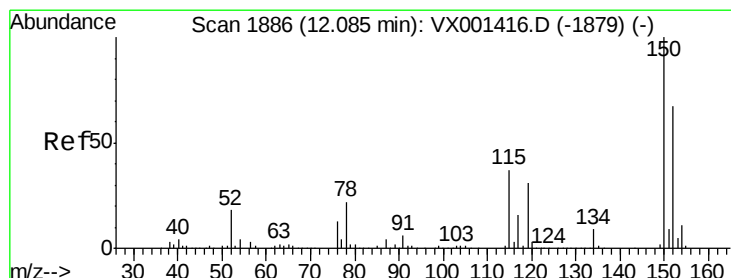
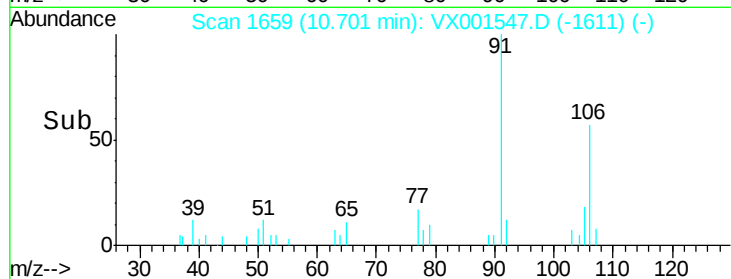
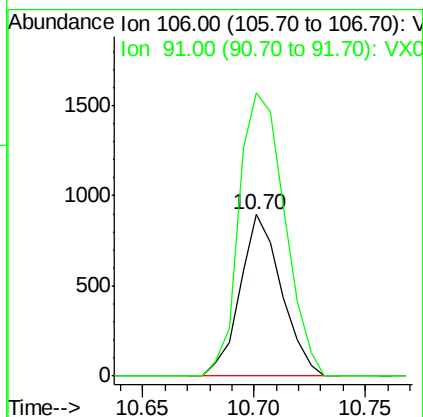
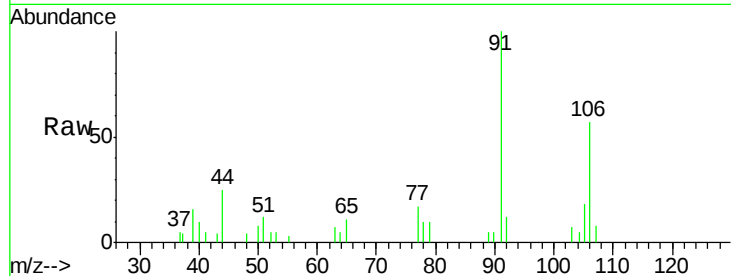




#69
o-Xylene
Concen: 0.20 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

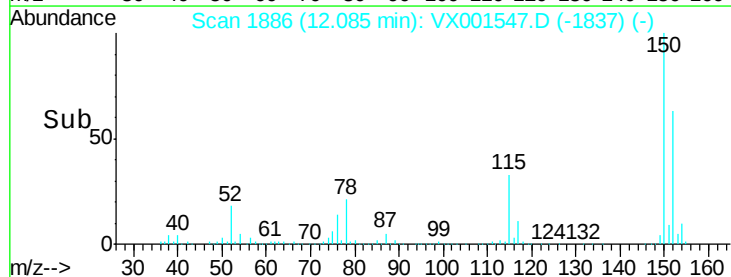
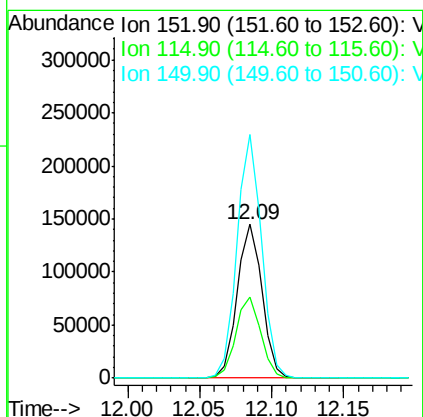
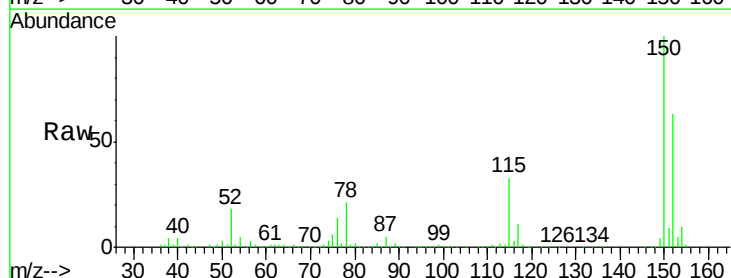
Instrument :
MSVOA_X
ClientSampleId :
RO-160

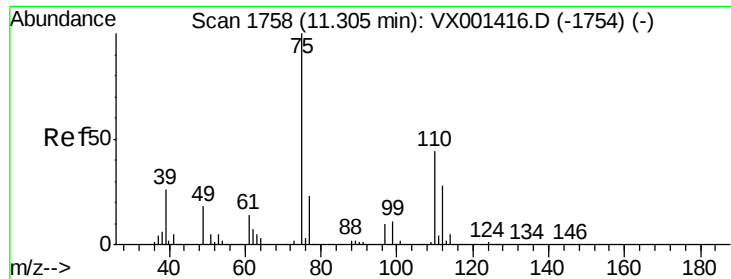
Tgt Ion:106 Resp: 1162
Ion Ratio Lower Upper
106 100
91 192.7 103.1 309.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001547.D
Acq: 09 May 2018 06:54

Tgt Ion:152 Resp: 174401
Ion Ratio Lower Upper
152 100
115 53.2 37.7 113.1
150 156.6 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 23.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

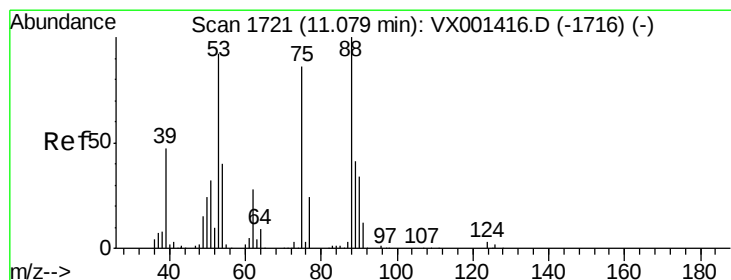
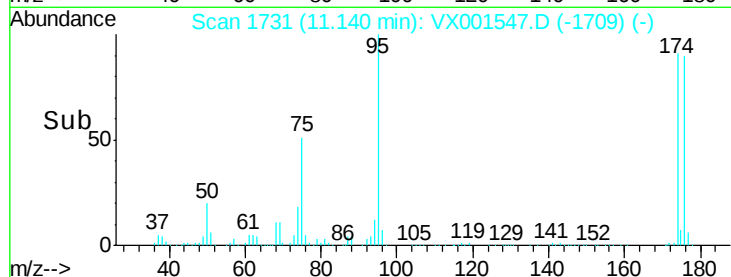
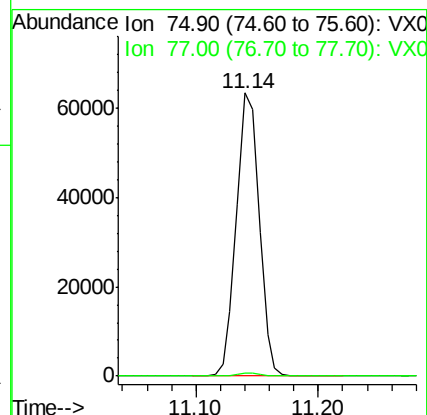
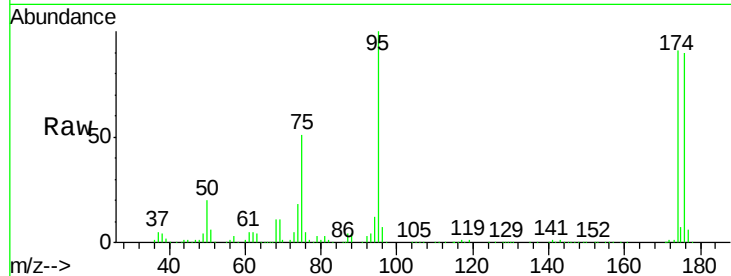
RO-160

Tgt Ion: 75 Resp: 81824

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

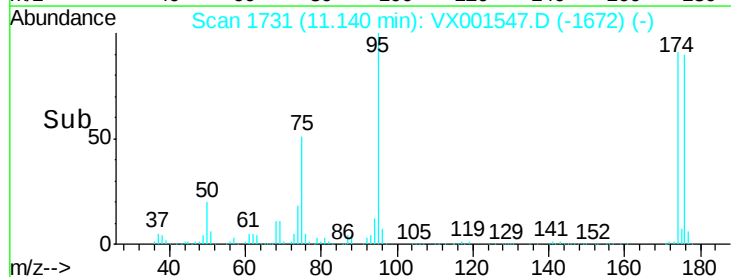
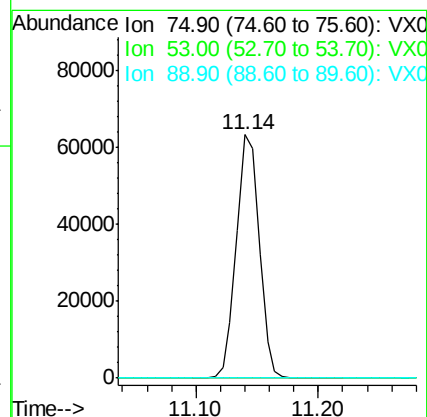
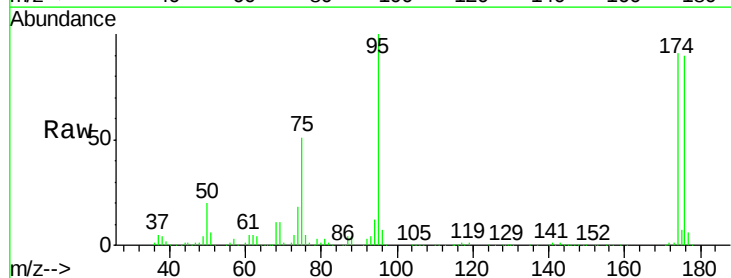
Tgt Ion: 75 Resp: 81824

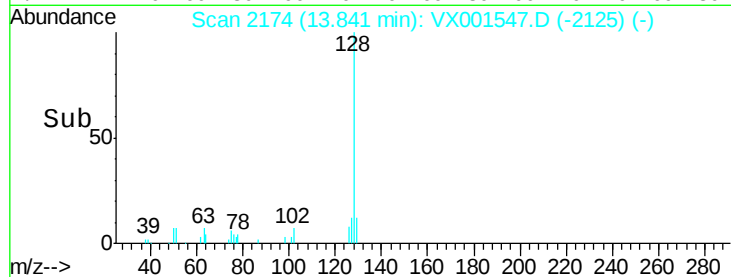
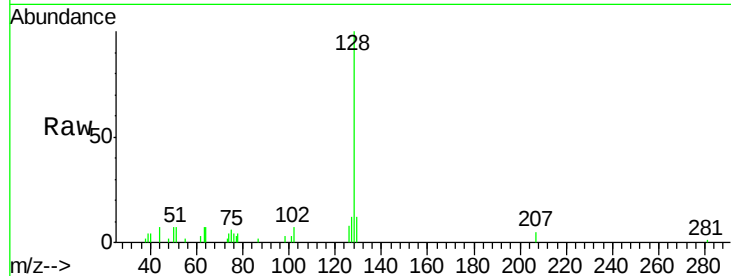
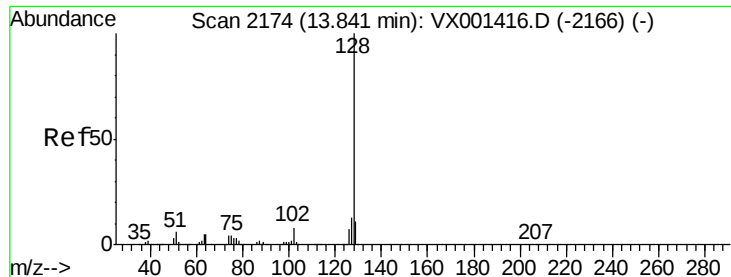
Ion Ratio Lower Upper

75 100

53 0.0 84.5 126.7#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 0.34 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001547.D

Acq: 09 May 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

RO-160

Tgt Ion:128 Resp: 4400

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 12.7 8.7 13.1

