

Data File : VX001602.D
Acq On : 10 May 2018 15:27
Operator : JC/MD
Sample : J2649-01DL 20X
Misc : 5.42g/5mL/100uL/5mL/MSVOA_X/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
10R-8DL

Quant Time: May 11 06:54:00 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	247056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163647	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193952	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
35) Dibromofluoromethane	5.51	113	152029	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	8.72	98	546910	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.14	95	179811	42.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.86%	

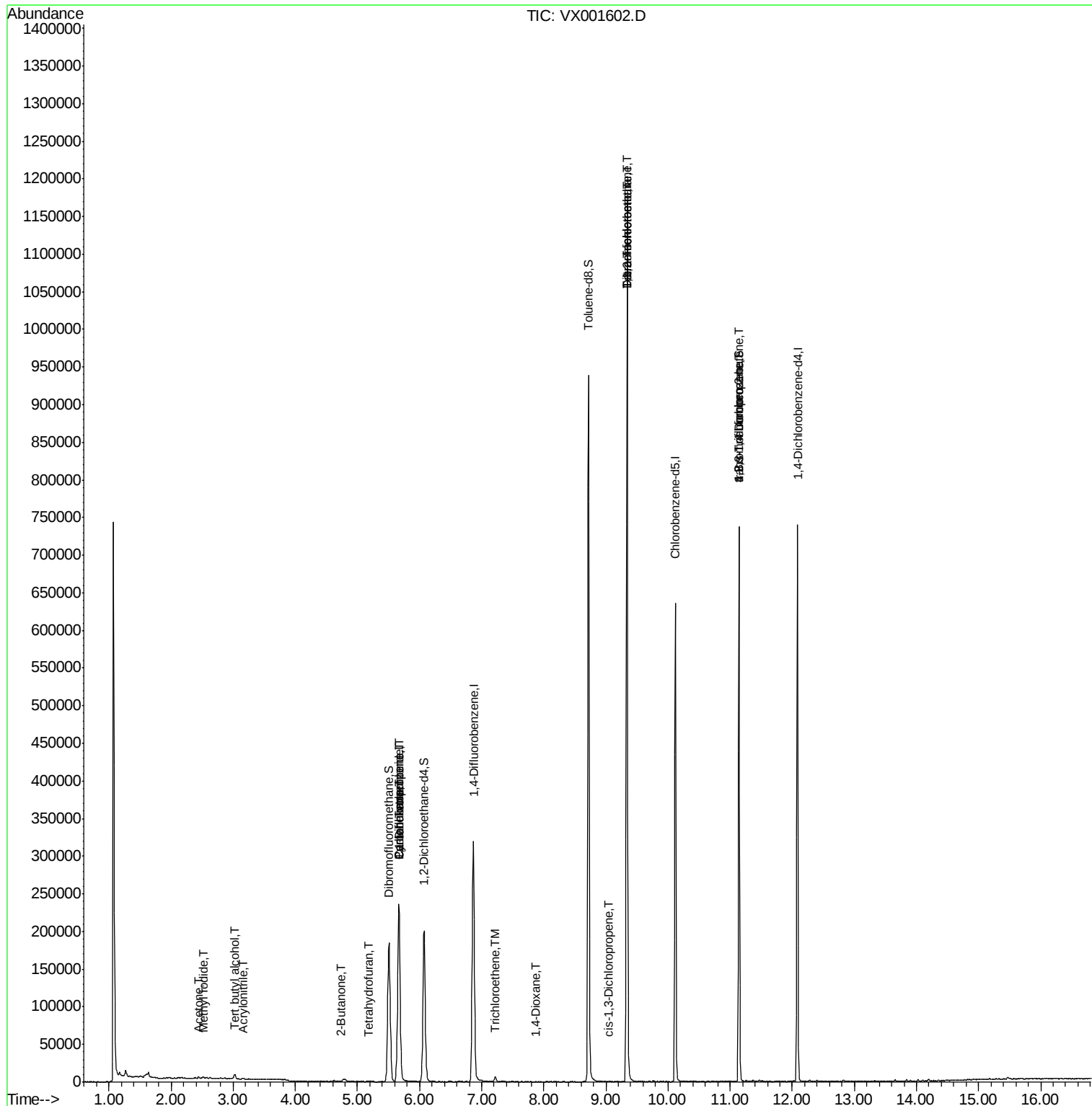
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1210	Below Cal		89
10) Methyl Iodide	2.51	142	2296	0.53	ug/l	98
11) Tert butyl alcohol	3.03	59	3368	4.50	ug/l #	79
13) Acrolein	2.29	56	44	Below Cal	#	16
15) Acrylonitrile	3.16	53	682	0.40	ug/l #	89
16) Acetone	2.45	43	1535	0.95	ug/l #	87
25) 2-Butanone	4.73	43	496	0.21	ug/l	96
29) Tetrahydrofuran	5.18	42	864	0.58	ug/l #	46
31) Cyclohexane	5.67	56	4390	0.96	ug/l #	5
36) 1,1-Dichloropropene	5.67	75	15875	3.67	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21160	4.59	ug/l #	16
44) Trichloroethene	7.21	130	2539	0.66	ug/l	92
49) 1,4-Dioxane	7.87	88	22	0.26	ug/l #	1
54) cis-1,3-Dichloropropene	9.04	75	162	2.29	ug/l #	60
55) 1,1,2-Trichloroethane	9.34	97	1914	0.58	ug/l #	1
60) Dibromochloromethane	9.34	129	212300	62.30	ug/l #	11
64) Tetrachloroethene	9.34	164	254676	61.27	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	91636	27.61	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	91636	84.77	ug/l #	7

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

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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# 833

Delta R.T. -0.01 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

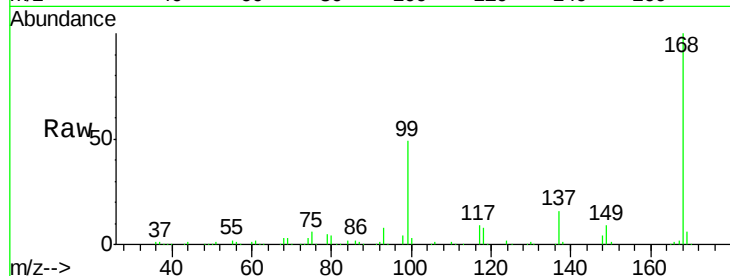
10R-8DL

Tgt Ion:168 Resp: 247056

Ion Ratio Lower Upper

168 100

99 49.3 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

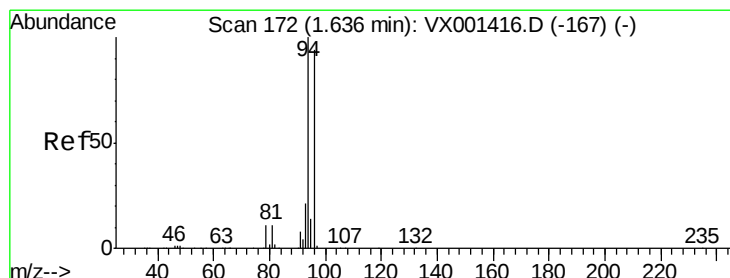
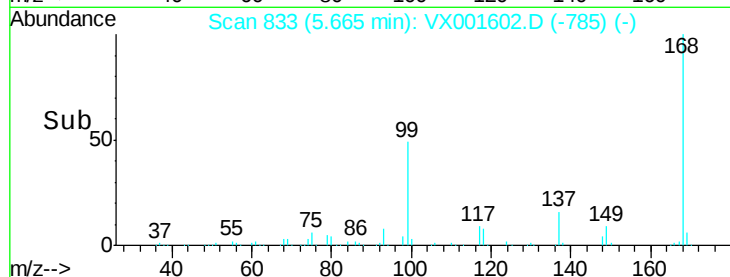
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX001602.D

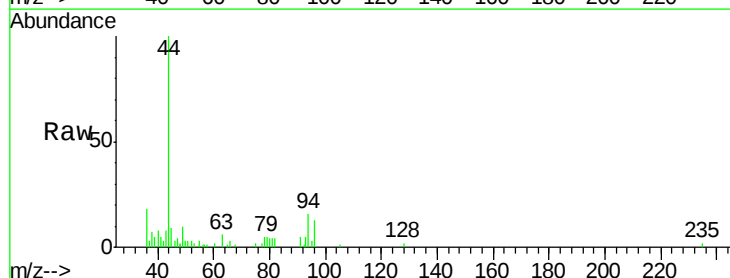
Acq: 10 May 2018 15:27

Tgt Ion: 94 Resp: 1210

Ion Ratio Lower Upper

94 100

96 82.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

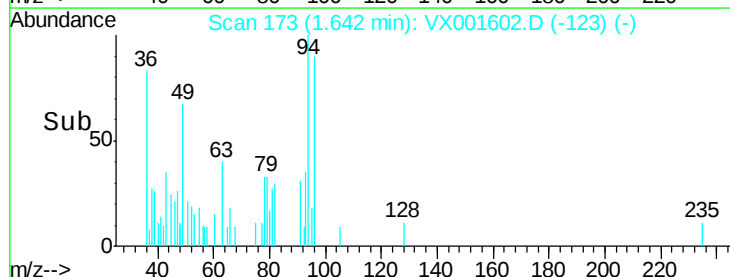
600

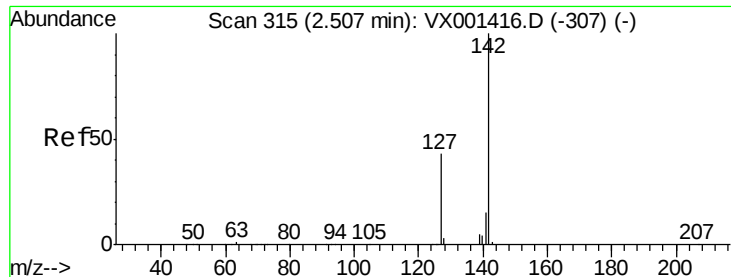
400

200

0

Time--> 1.55 1.60 1.65 1.70 1.75

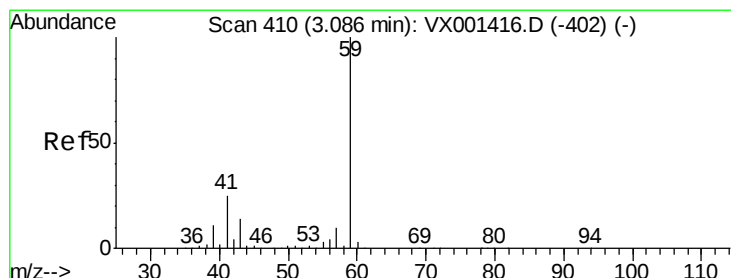
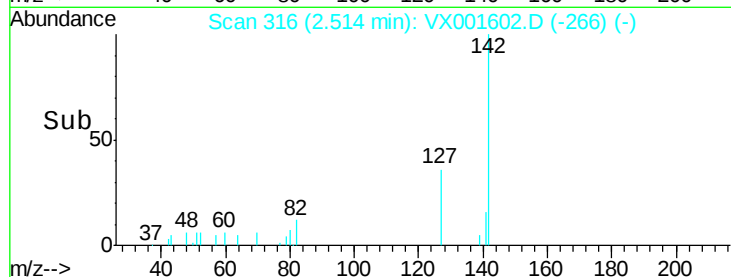
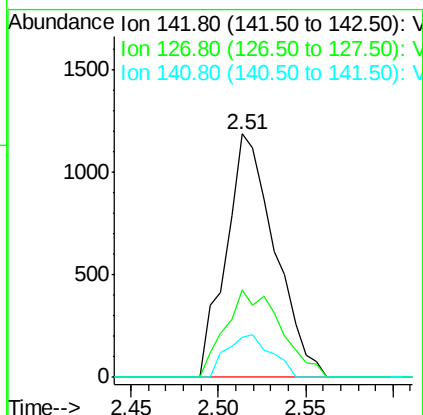
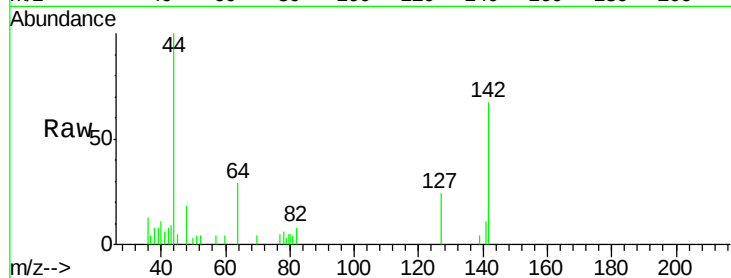




#10
Methyl Iodide
Concen: 0.53 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

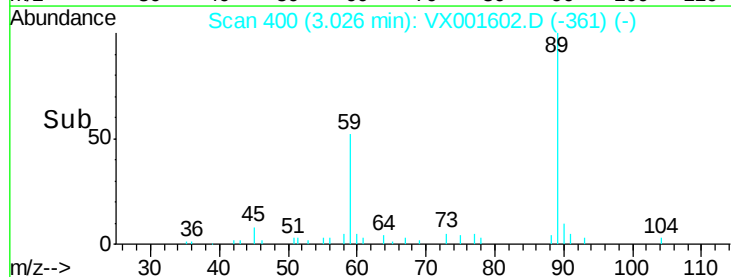
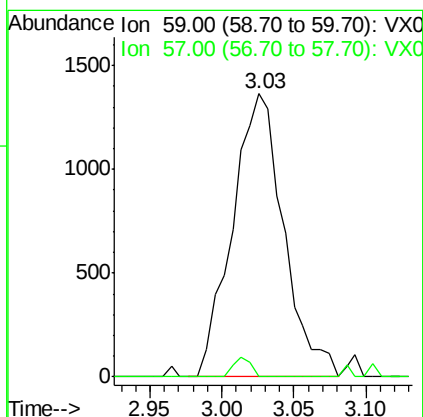
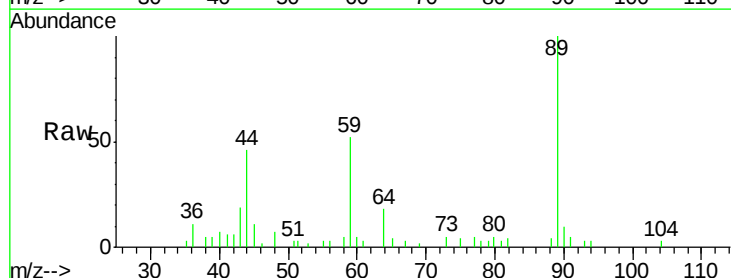
Instrument :
MSVOA_X
ClientSampled :
10R-8DL

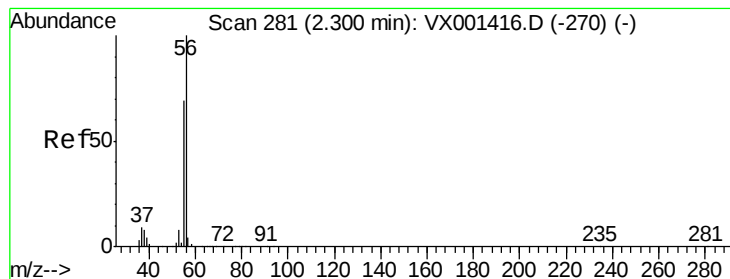
Tgt Ion: 142 Resp: 2296
Ion Ratio Lower Upper
142 100
127 40.9 33.6 50.4
141 16.0 11.4 17.2



#11
Tert butyl alcohol
Concen: 4.50 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

Tgt Ion: 59 Resp: 3368
Ion Ratio Lower Upper
59 100
57 2.4 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

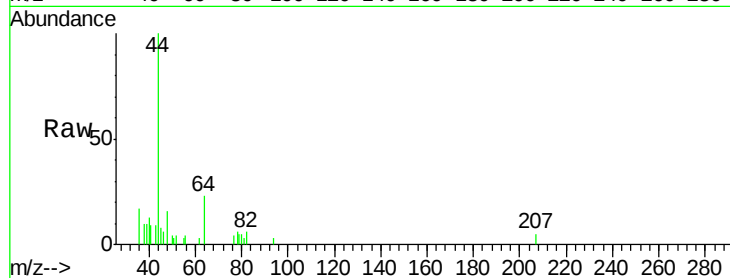
10R-8DL

Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

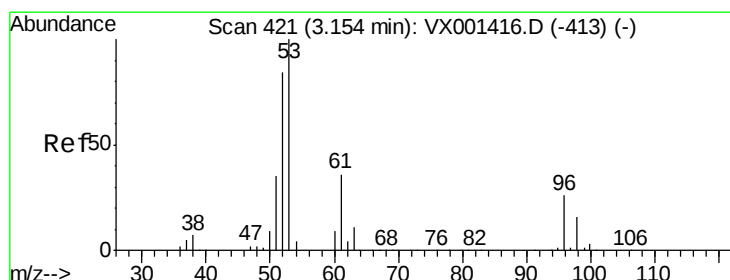
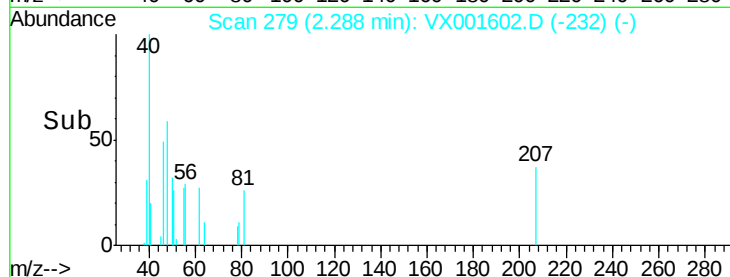
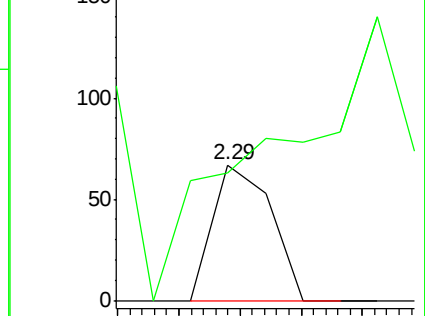
56 100

55 0.0 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.40 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

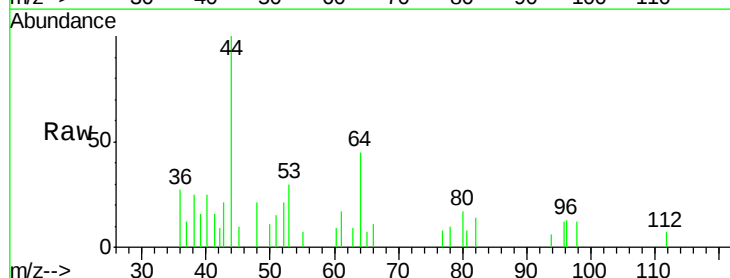
Tgt Ion: 53 Resp: 682

Ion Ratio Lower Upper

53 100

52 78.7 66.2 99.2

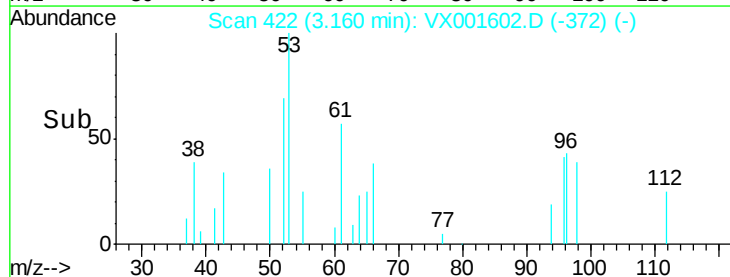
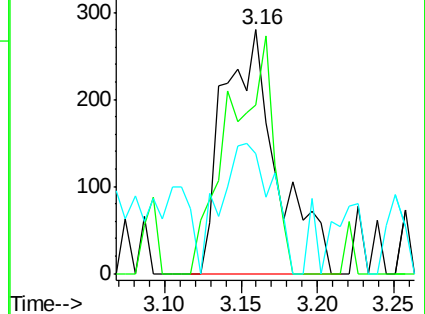
51 51.3 28.6 43.0#

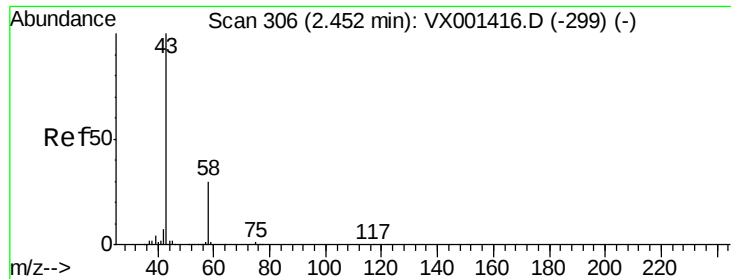


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

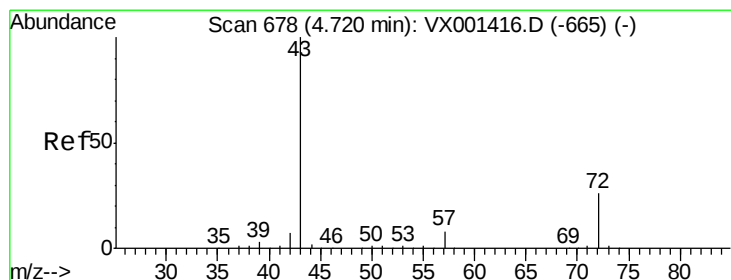
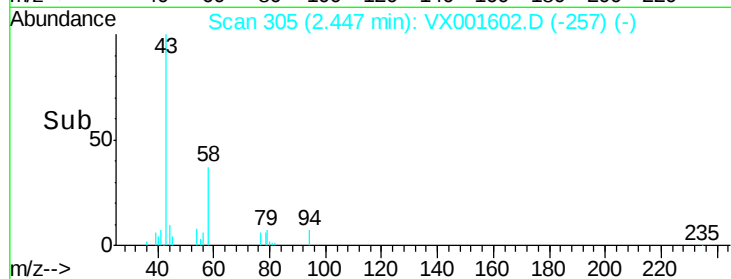
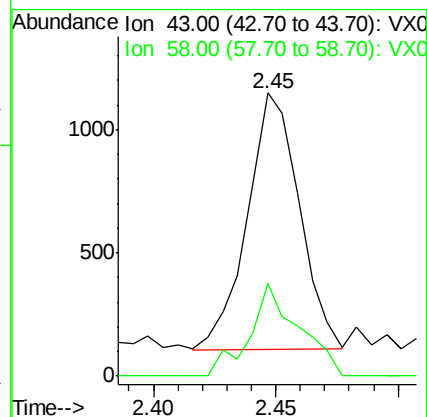
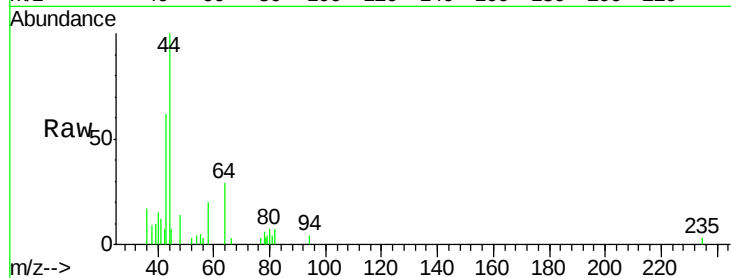
10R-8DL

Tgt Ion: 43 Resp: 1535

Ion Ratio Lower Upper

43 100

58 36.6 23.8 35.8#



#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX001602.D

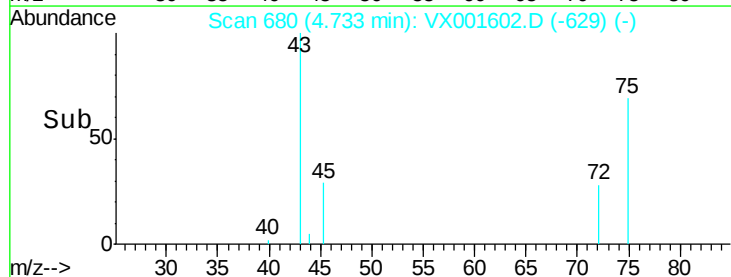
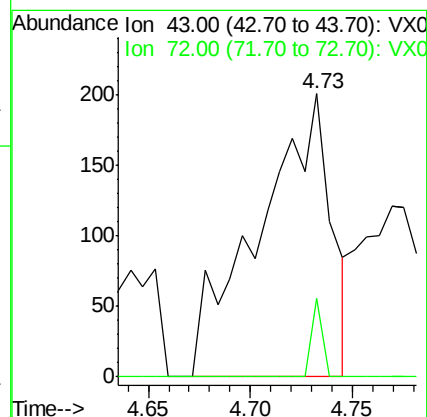
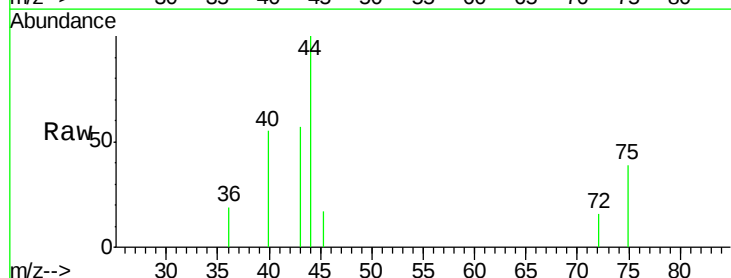
Acq: 10 May 2018 15:27

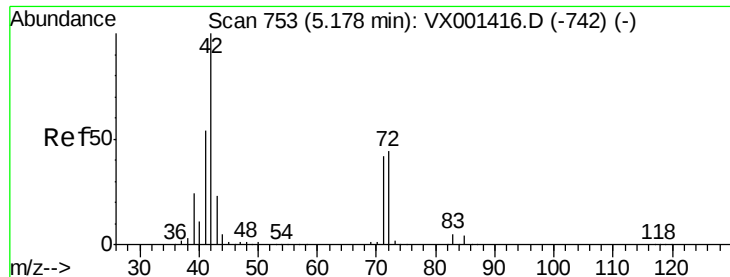
Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

72 27.9 20.7 31.1





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

10R-8DL

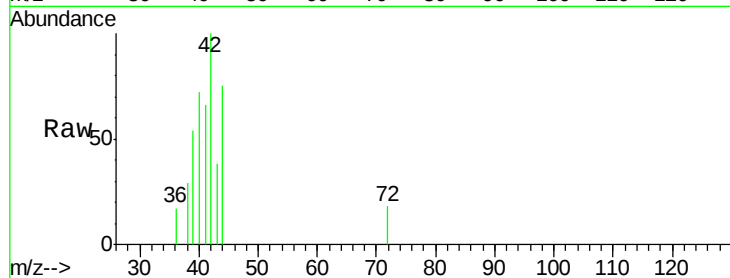
Tgt Ion: 42 Resp: 864

Ion Ratio Lower Upper

42 100

72 8.9 35.4 53.2#

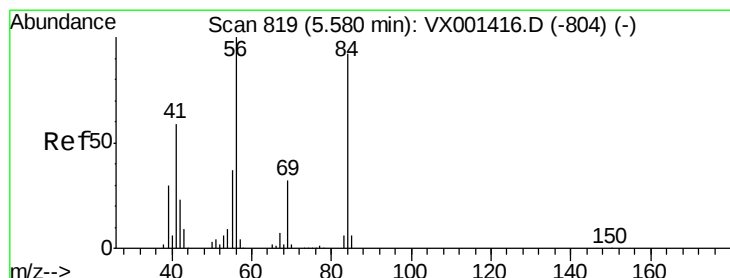
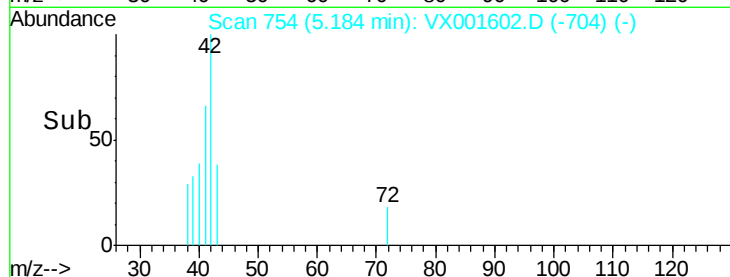
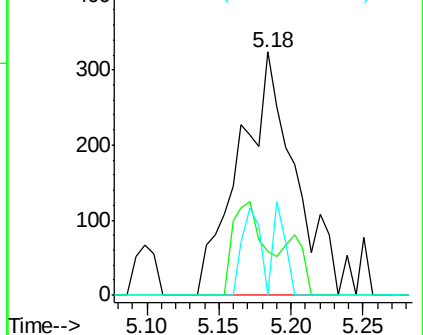
71 8.2 33.0 49.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

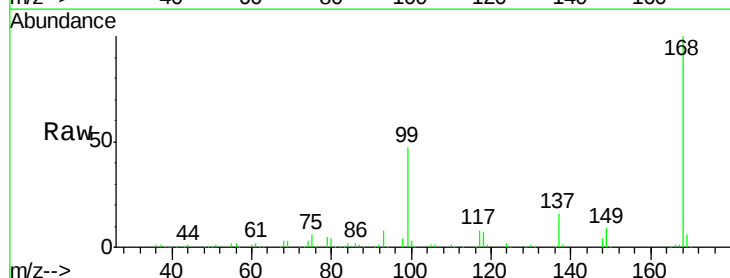
Tgt Ion: 56 Resp: 4390

Ion Ratio Lower Upper

56 100

69 164.2 25.4 38.0#

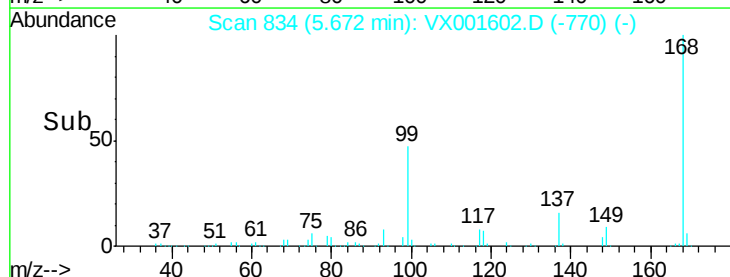
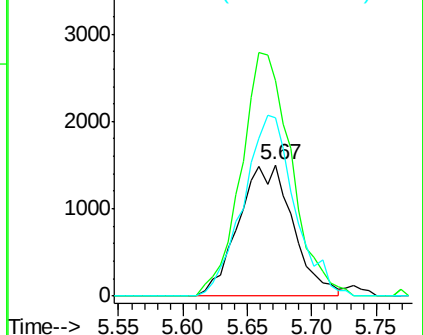
84 135.8 73.8 110.8#

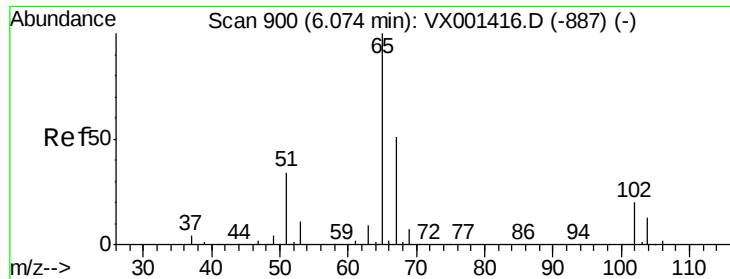


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

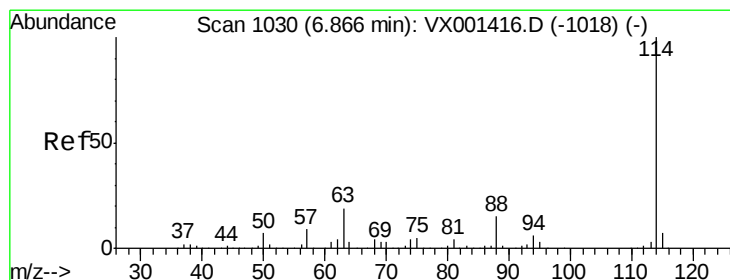
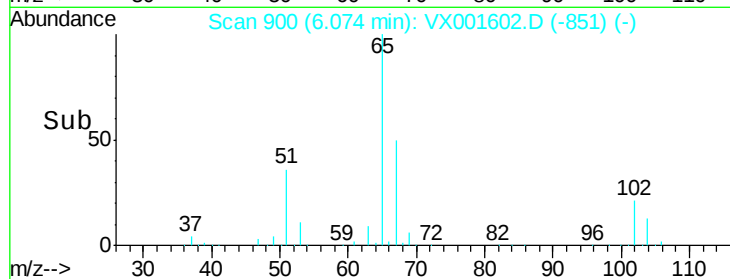
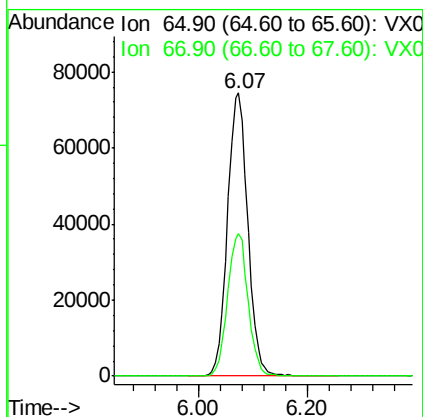
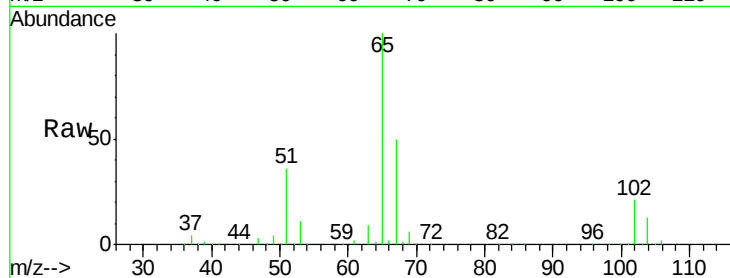




#33
 1,2-Dichloroethane-d4
 Concen: 54.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

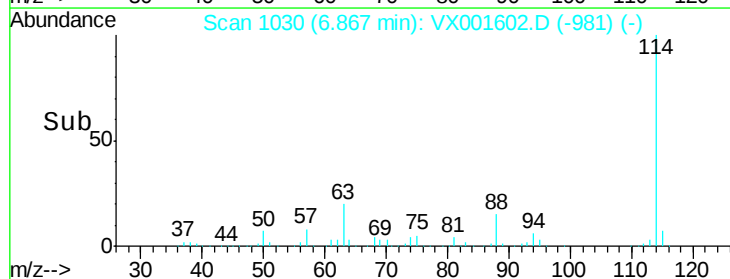
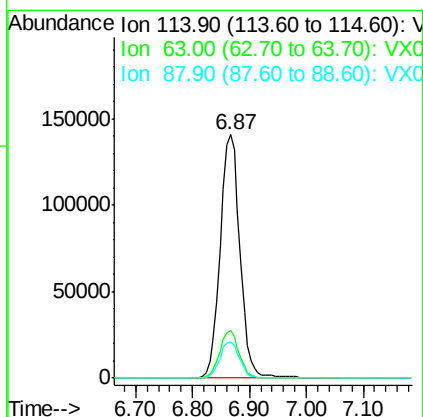
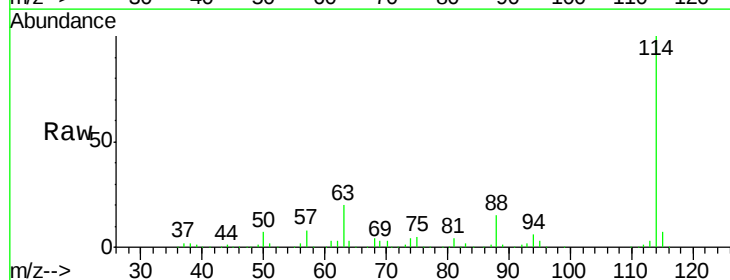
Instrument :
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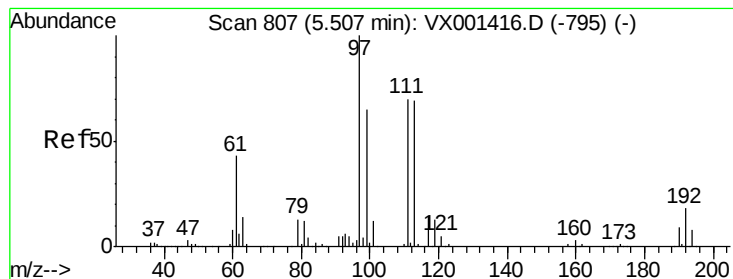
Tgt Ion: 65 Resp: 193952
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

Tgt Ion: 114 Resp: 339982
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.27 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

10R-8DL

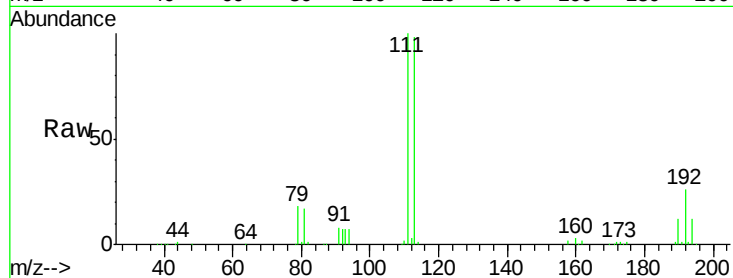
Tgt Ion:113 Resp: 152029

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

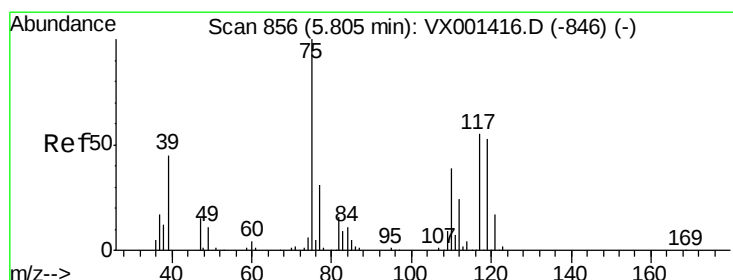
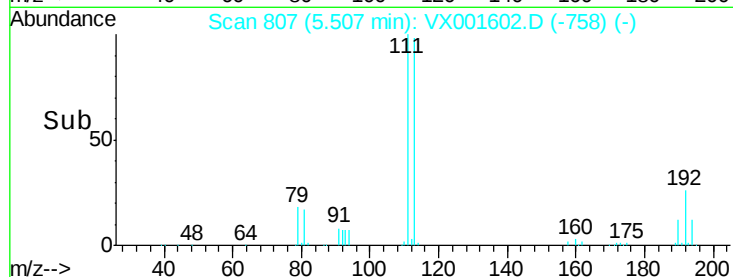
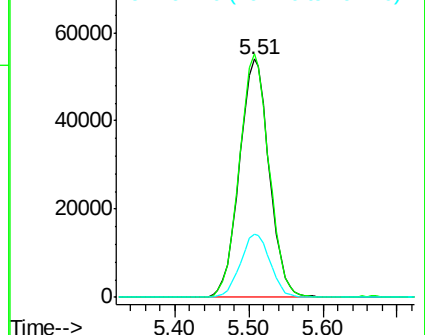
192 26.6 21.4 32.0



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: 3.67 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

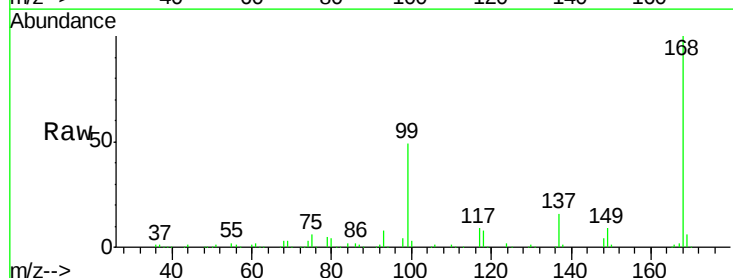
Tgt Ion: 75 Resp: 15875

Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

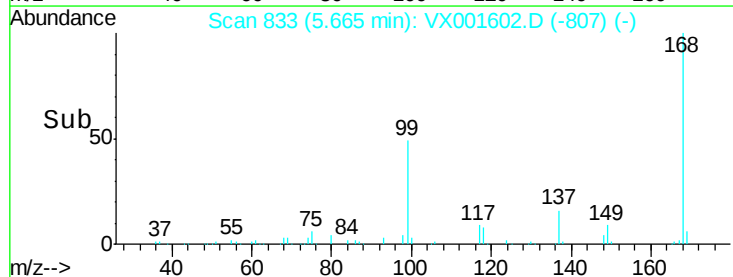
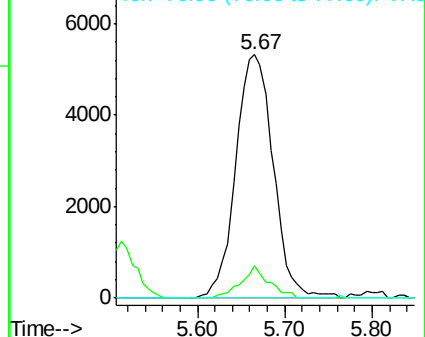
77 0.0 24.9 37.3#

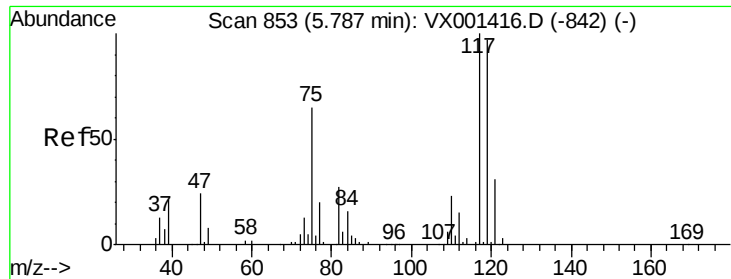


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.59 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

10R-8DL

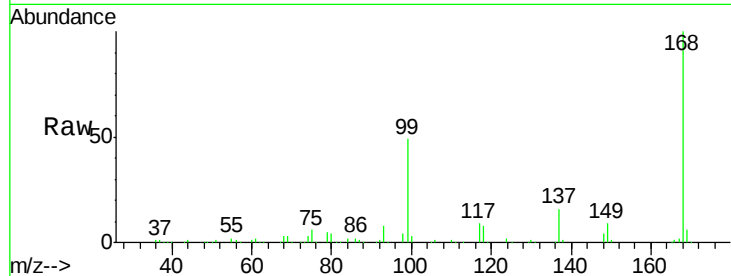
Tgt Ion:117 Resp: 21160

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

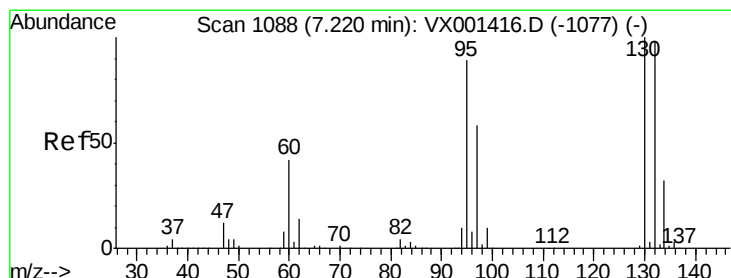
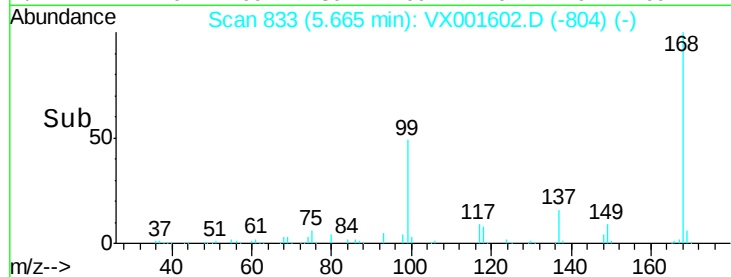
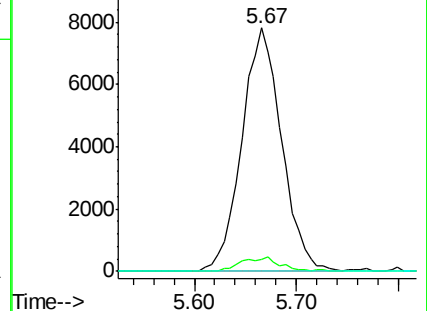
121 0.0 25.1 37.7#



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: 0.66 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX001602.D

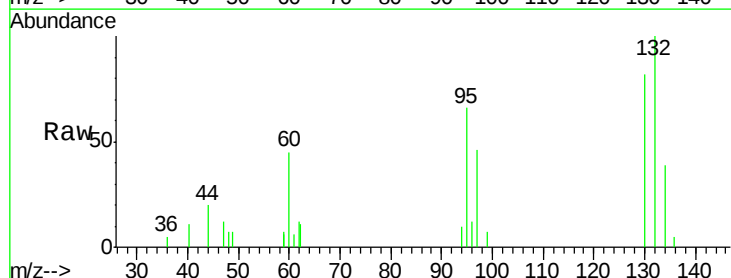
Acq: 10 May 2018 15:27

Tgt Ion:130 Resp: 2539

Ion Ratio Lower Upper

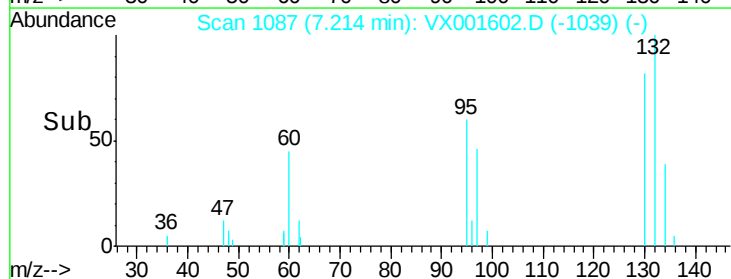
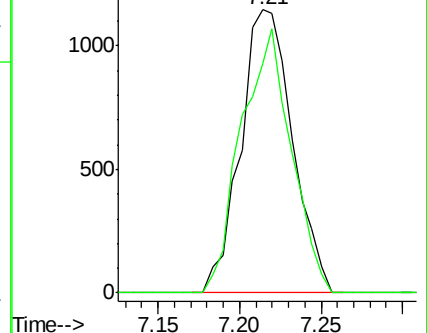
130 100

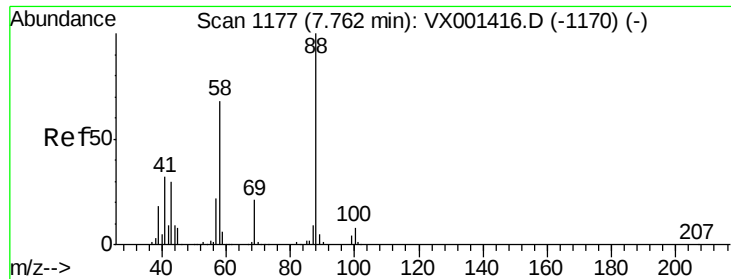
95 81.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

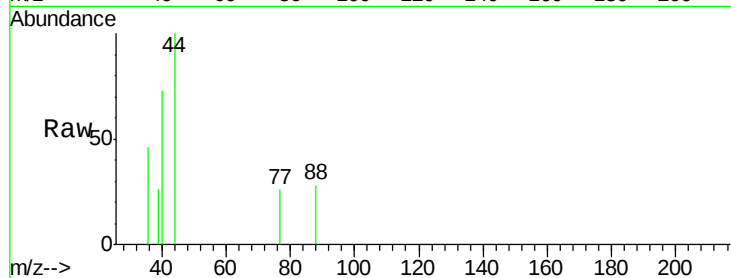




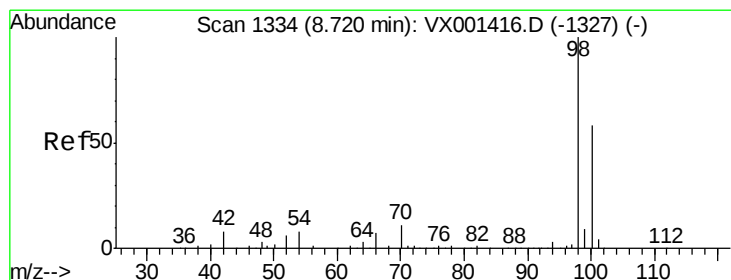
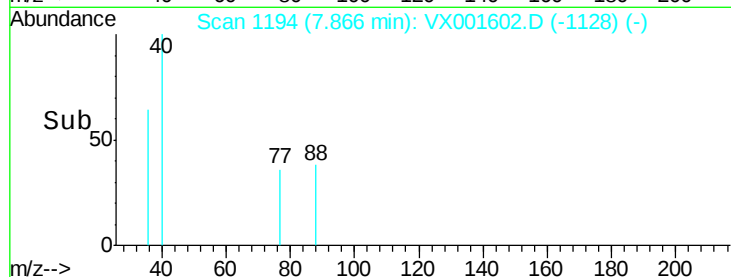
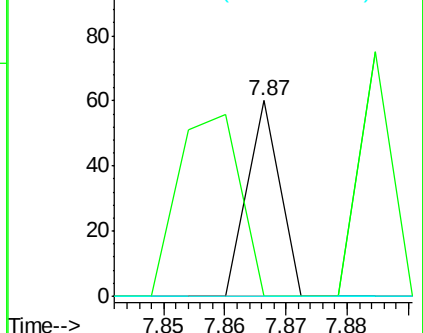
#49
1,4-Dioxane
Concen: 0.26 ug/l
RT: 7.87 min Scan# 1194
Delta R.T. 0.10 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
10R-8DL

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 177.3 26.4 39.6#
58 0.0 54.1 81.1#

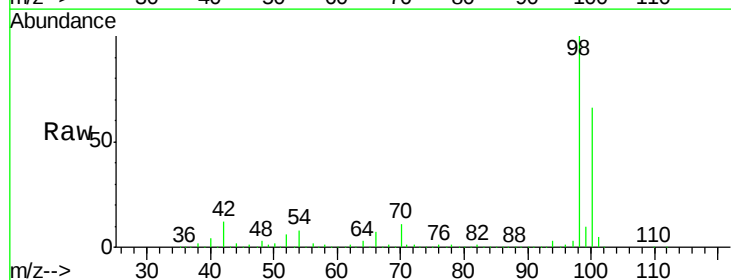


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

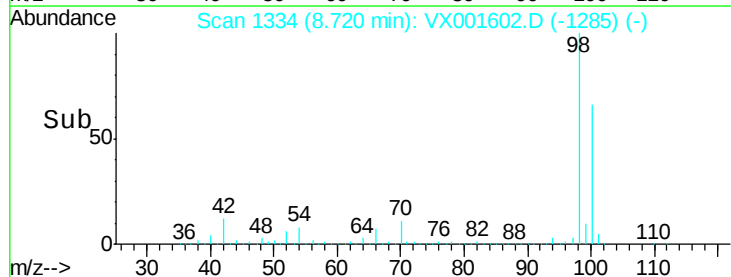
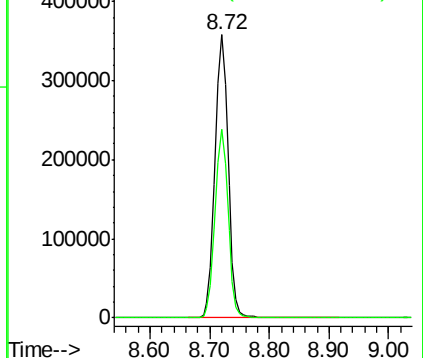


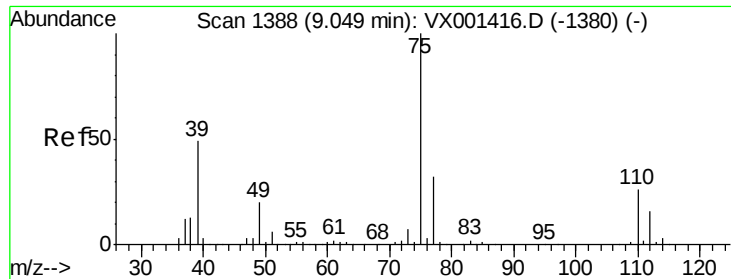
#50
Toluene-d8
Concen: 49.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

Tgt Ion: 98 Resp: 546910
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

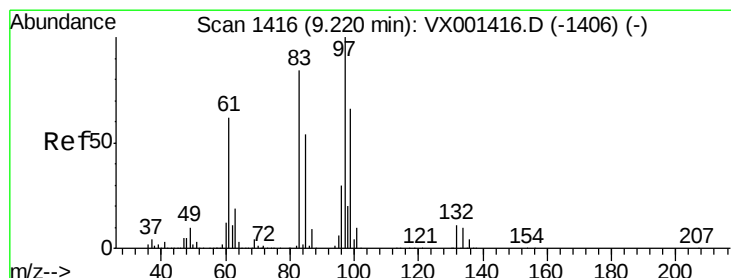
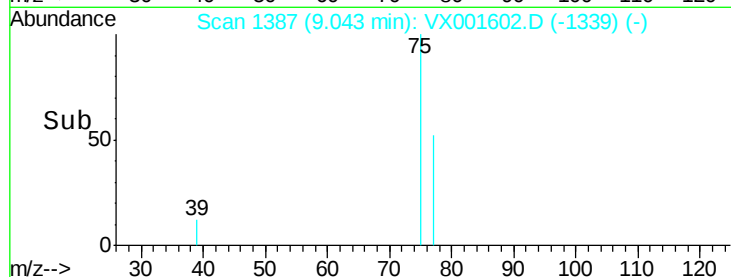
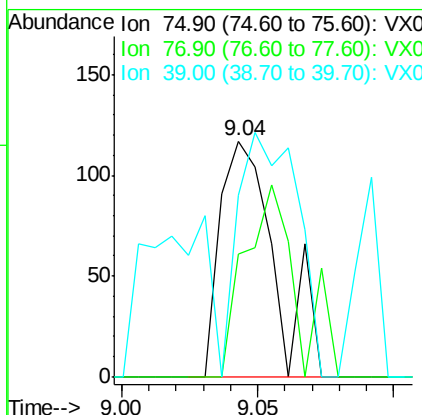
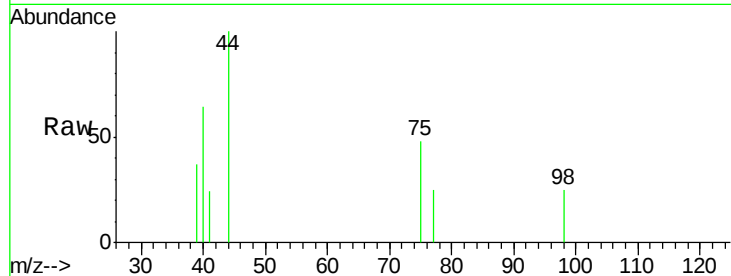




#54
 cis-1,3-Dichloropropene
 Concen: 2.29 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

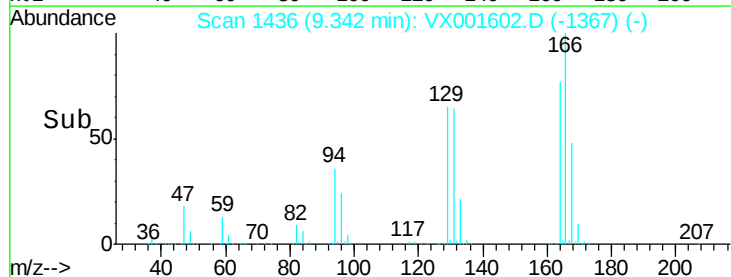
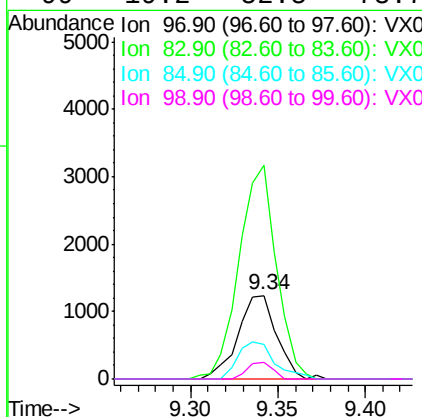
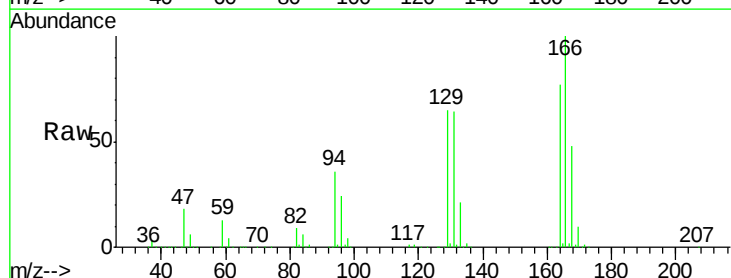
Instrument :
 MSVOA_X
 ClientSampleId :
 10R-8DL

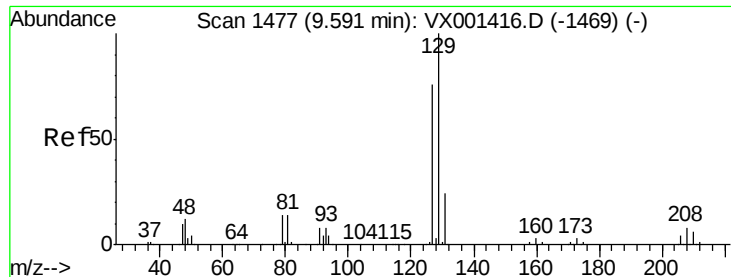
Tgt Ion: 75 Resp: 162
 Ion Ratio Lower Upper
 75 100
 77 52.1 25.5 38.3#
 39 76.9 38.9 58.3#



#55
 1,1,2-Trichloroethane
 Concen: 0.58 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. 0.12 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

Tgt Ion: 97 Resp: 1914
 Ion Ratio Lower Upper
 97 100
 83 254.9 67.4 101.0#
 85 41.0 43.3 64.9#
 99 19.2 52.5 78.7#

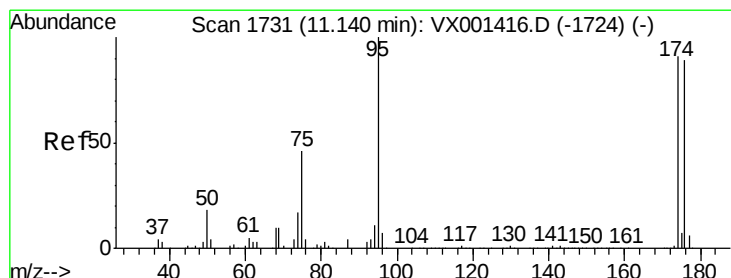
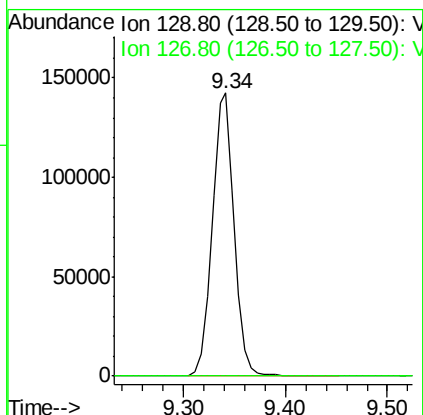
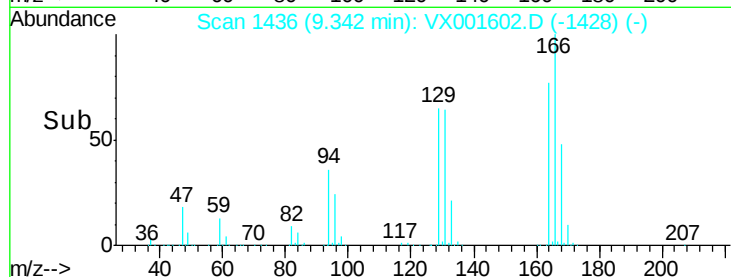
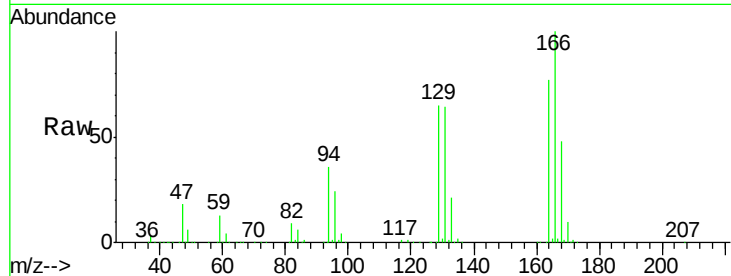




#60
 Dibromochloromethane
 Concen: 62.30 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

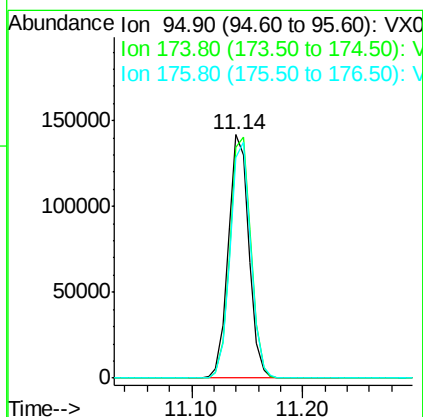
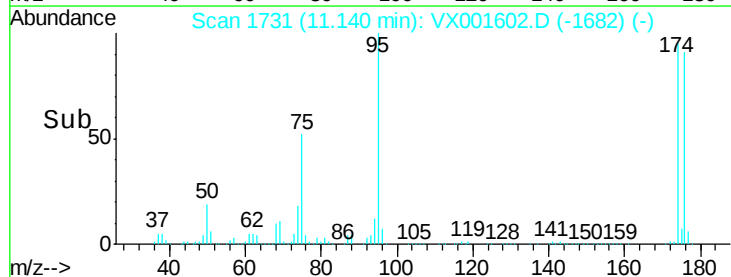
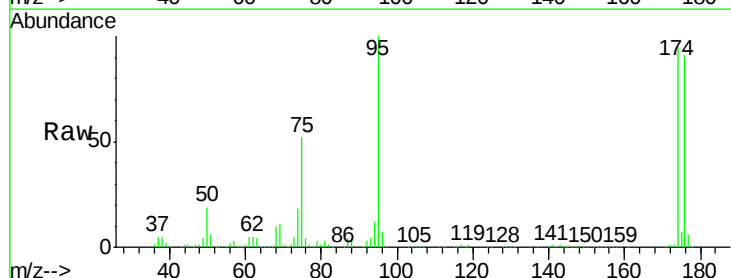
Instrument :
 MSVOA_X
 ClientSampleId :
 10R-8DL

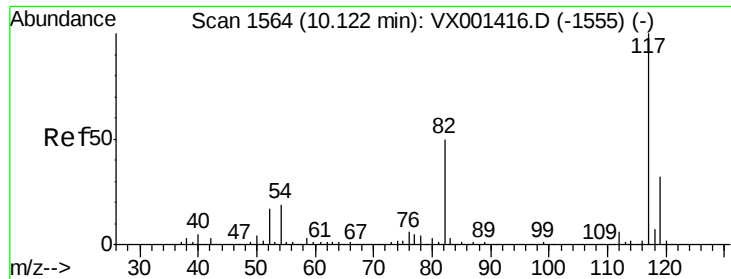
Tgt Ion: 129 Resp: 212300
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.1 114.5#



#62
 4-Bromofluorobenzene
 Concen: 42.43 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001602.D
 Acq: 10 May 2018 15:27

Tgt Ion: 95 Resp: 179811
 Ion Ratio Lower Upper
 95 100
 174 101.4 0.0 202.0
 176 98.0 0.0 197.4

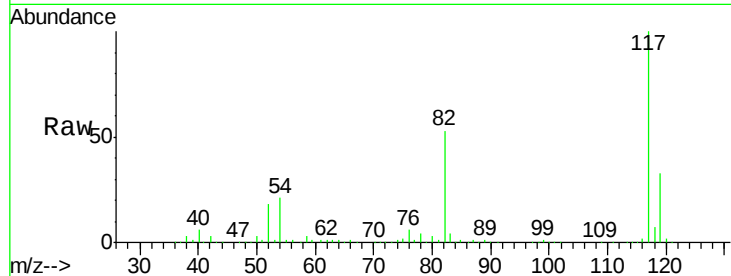




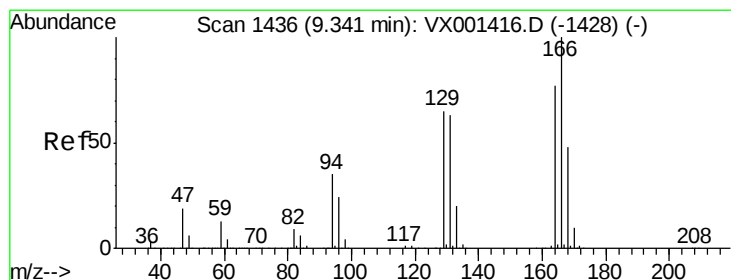
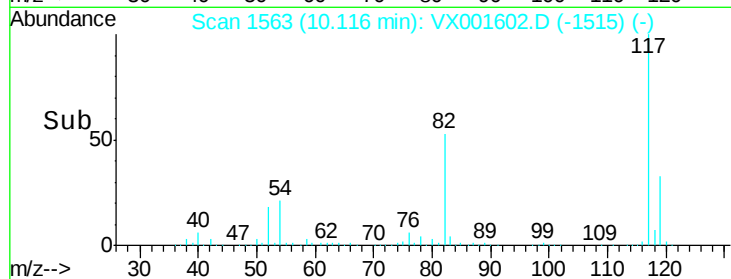
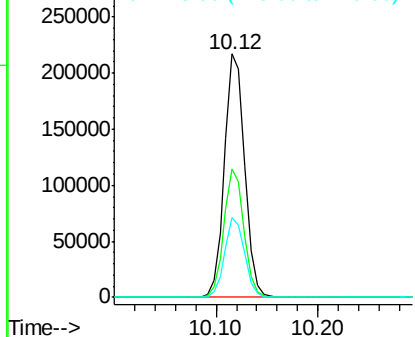
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

Instrument :
MSVOA_X
ClientSampled :
10R-8DL

Tgt Ion:117 Resp: 298233
Ion Ratio Lower Upper
117 100
82 52.9 40.0 60.0
119 32.7 25.8 38.8

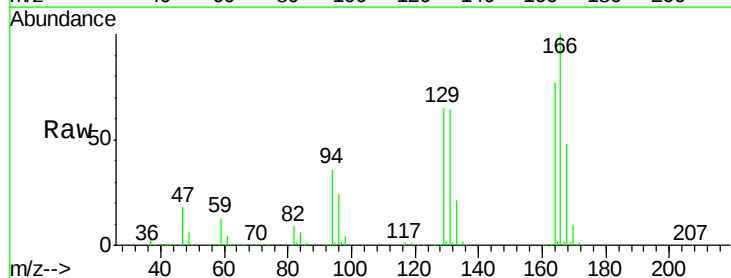


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

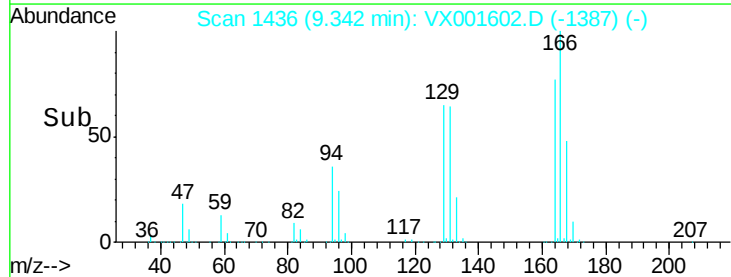
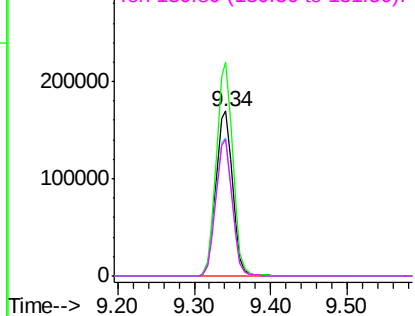


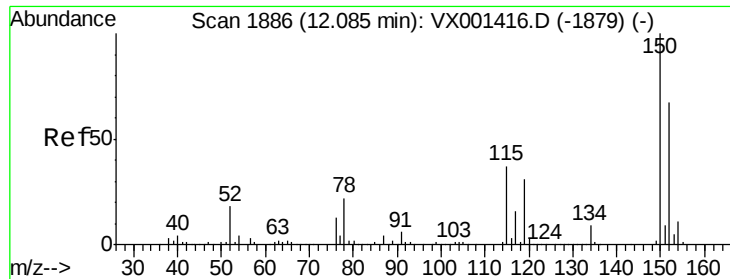
#64
Tetrachloroethene
Concen: 61.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001602.D
Acq: 10 May 2018 15:27

Tgt Ion:164 Resp: 254676
Ion Ratio Lower Upper
164 100
166 129.7 103.5 155.3
129 84.1 66.7 100.1
131 82.8 64.9 97.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampled :

10R-8DL

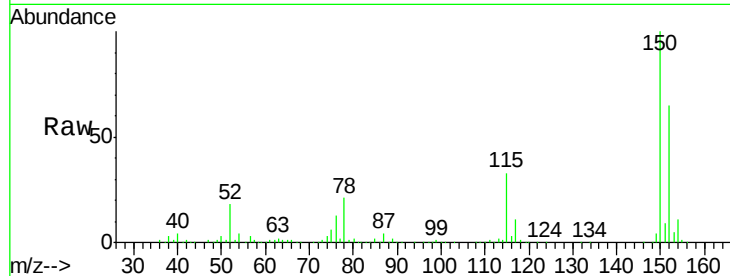
Tgt Ion:152 Resp: 163647

Ion Ratio Lower Upper

152 100

115 52.6 37.7 113.1

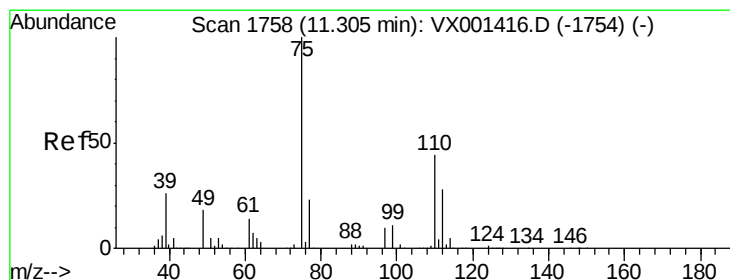
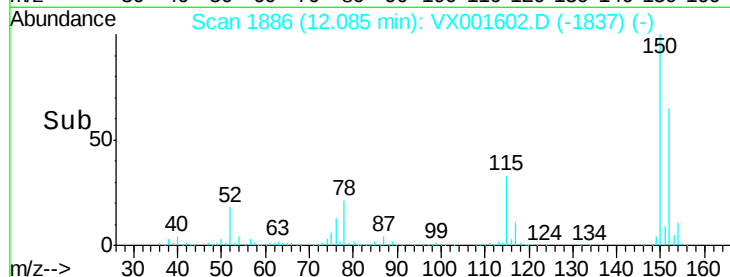
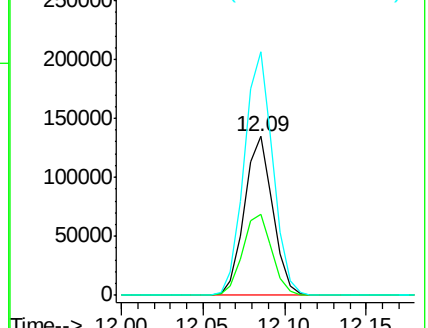
150 154.6 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.61 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001602.D

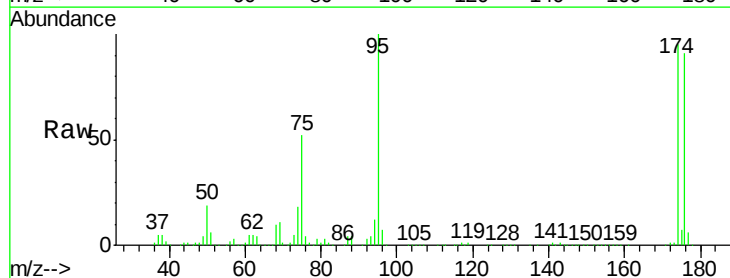
Acq: 10 May 2018 15:27

Tgt Ion: 75 Resp: 91636

Ion Ratio Lower Upper

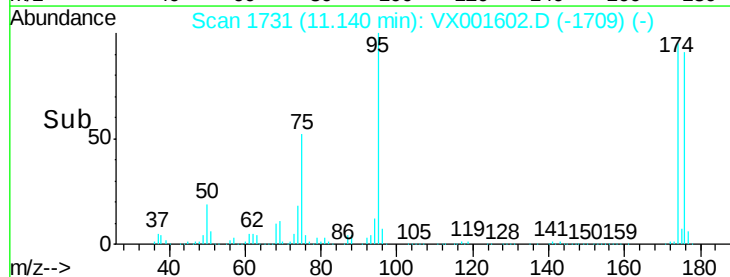
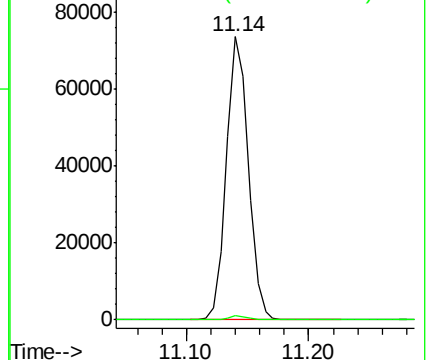
75 100

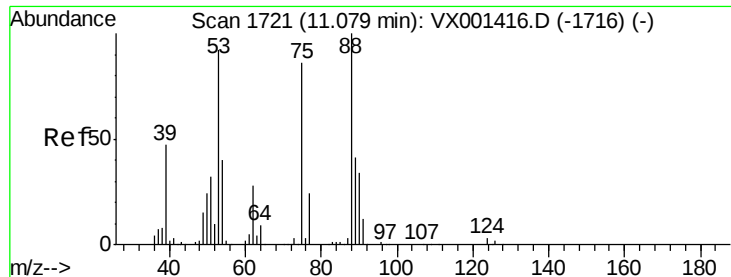
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001602.D

Acq: 10 May 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

10R-8DL

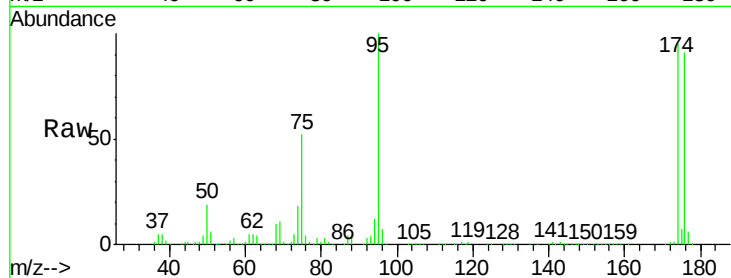
Tgt Ion: 75 Resp: 91636

Ion Ratio Lower Upper

75 100

53 0.0 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

