

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050518\
 Data File : VX001425.D
 Acq On : 05 May 2018 18:21
 Operator : JC/MD
 Sample : J2672-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-02-050318

Quant Time: May 06 08:06:25 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	252437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	167574	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	163158	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	
35) Dibromofluoromethane	5.51	113	128434	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
50) Toluene-d8	8.72	98	458685	41.82	ug/l	0.00
Spiked Amount			Recovery	=	83.64%	
62) 4-Bromofluorobenzene	11.14	95	155660	36.97	ug/l	0.00
Spiked Amount			Recovery	=	73.94%	

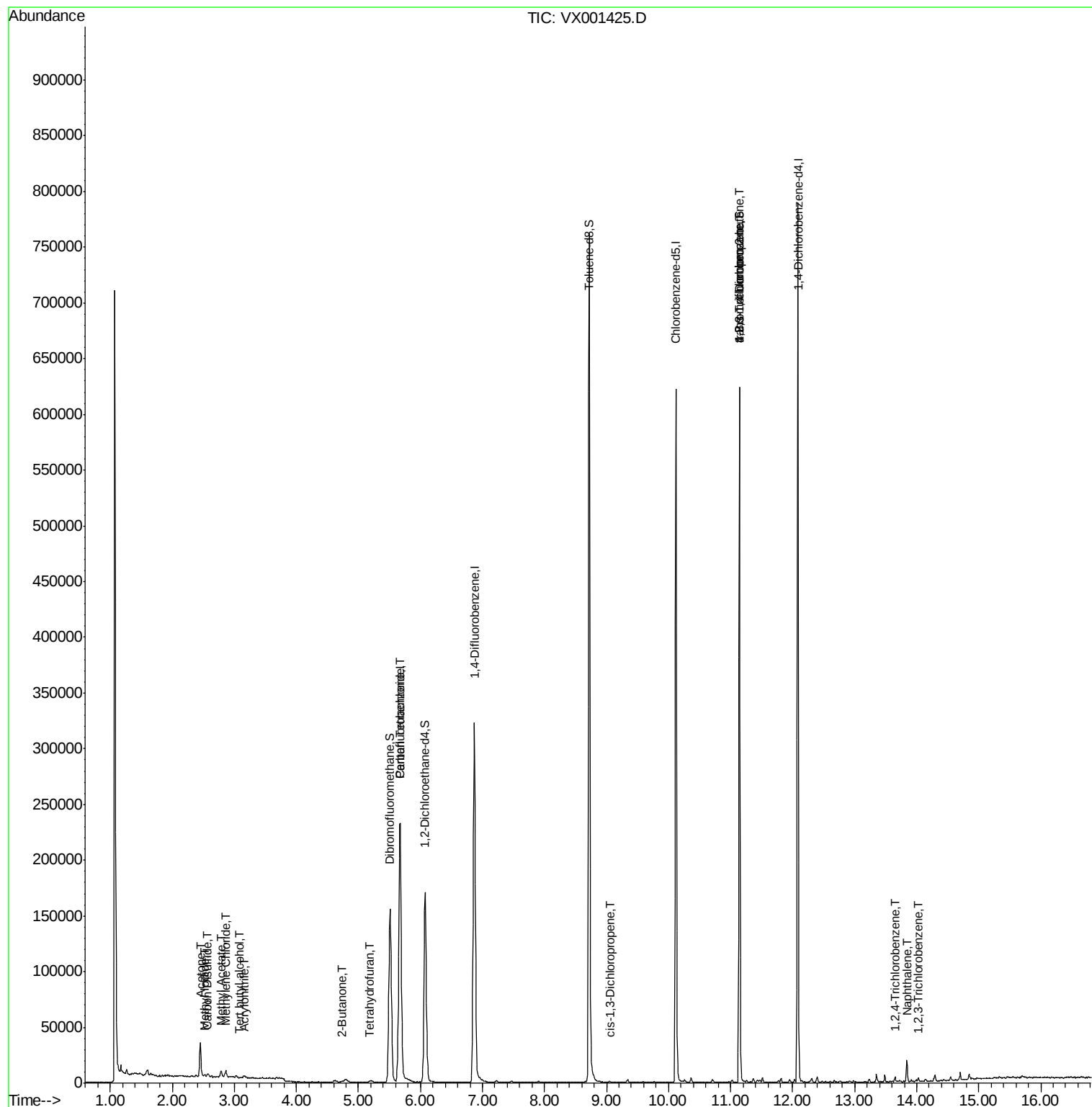
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	124	Below Cal	#	3
10) Methyl Iodide	2.52	142	2345	0.53	ug/l	94
11) Tert butyl alcohol	3.07	59	282	0.37	ug/l	# 72
13) Acrolein	2.28	56	45	Below Cal	#	1
15) Acrylonitrile	3.15	53	767	0.44	ug/l	# 77
16) Acetone	2.45	43	33515	20.34	ug/l	100
17) Carbon Disulfide	2.57	76	2135	0.30	ug/l	# 94
18) Methyl Acetate	2.78	43	7105	1.64	ug/l	99
20) Methylene Chloride	2.86	84	2699	0.83	ug/l	95
25) 2-Butanone	4.74	43	1454	0.61	ug/l	# 90
29) Tetrahydrofuran	5.18	42	584	0.38	ug/l	# 80
38) Carbon Tetrachloride	5.67	117	21184	4.62	ug/l	# 16
54) cis-1,3-Dichloropropene	9.06	75	210	2.30	ug/l	# 48
76) 1,2,3-Trichloropropane	11.14	75	79296	23.33	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	79296	72.30	ug/l	# 7
93) 1,2,4-Trichlorobenzene	13.65	180	1066	0.24	ug/l	97
95) Naphthalene	13.84	128	11798	0.95	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1035	0.22	ug/l	89

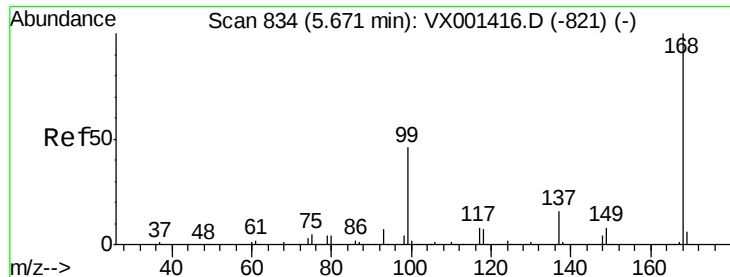
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 834

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

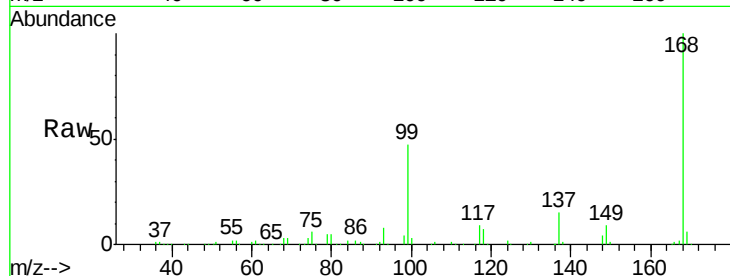
BU-02-050318

Tgt Ion:168 Resp: 252437

Ion Ratio Lower Upper

168 100

99 47.0 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

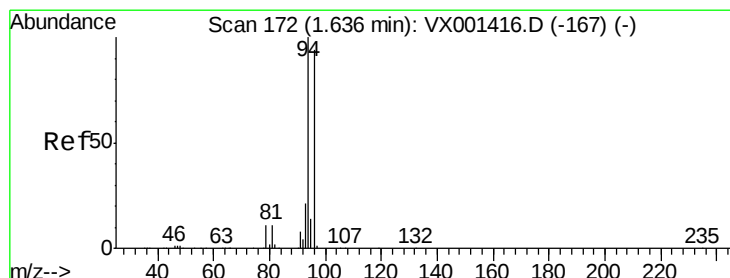
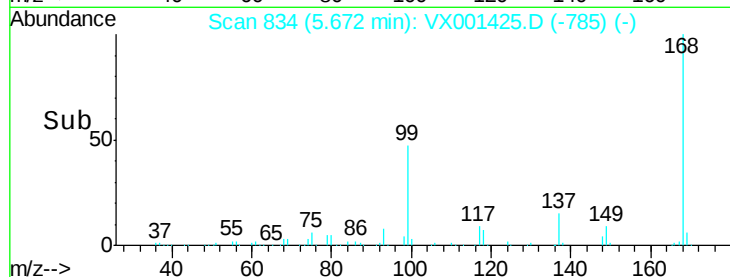
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX001425.D

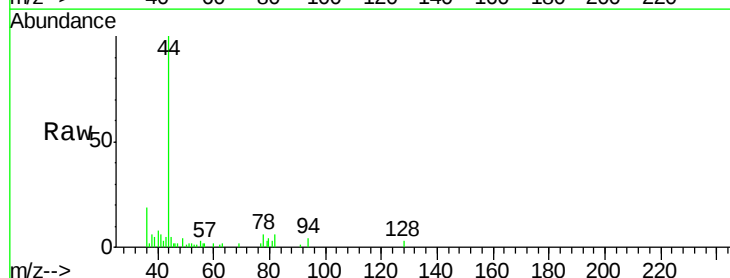
Acq: 05 May 2018 18:21

Tgt Ion: 94 Resp: 124

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

1.61

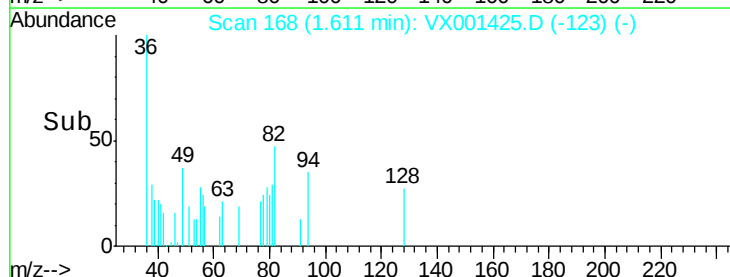
150

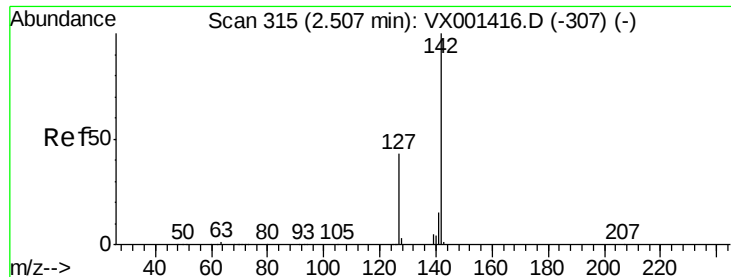
100

50

0

Time--> 1.59 1.60 1.61 1.62

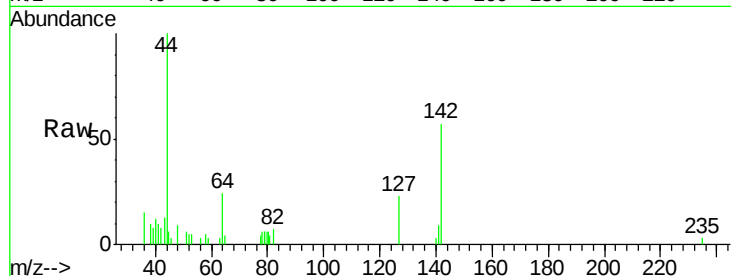




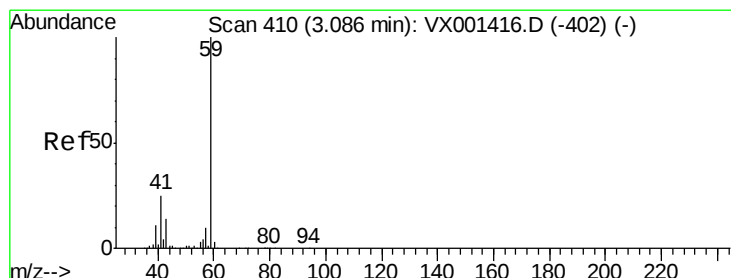
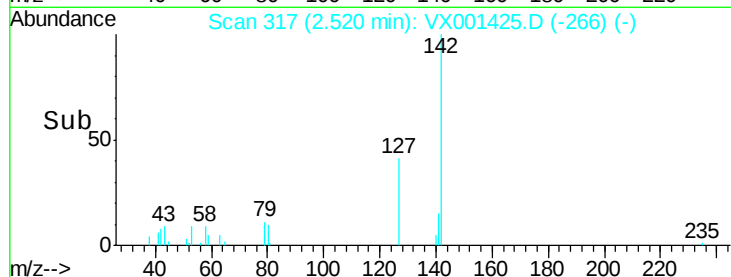
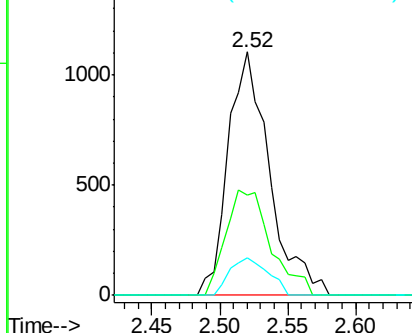
#10
Methyl Iodide
Concen: 0.53 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Instrument :
MSVOA_X
ClientSampled :
BU-02-050318

Tgt Ion: 142 Resp: 2345
Ion Ratio Lower Upper
142 100
127 47.0 33.6 50.4
141 14.3 11.4 17.2

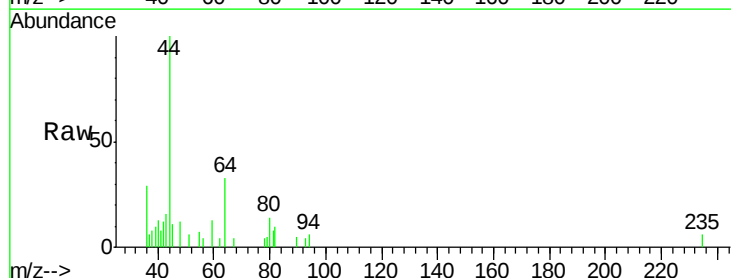


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

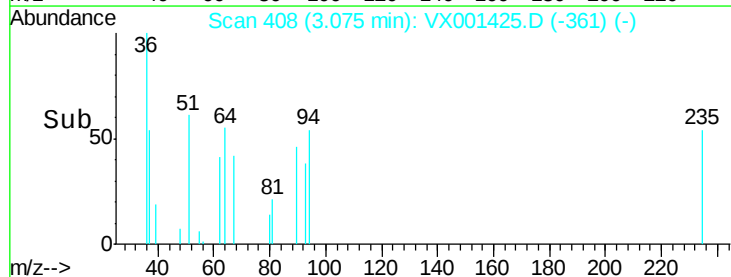
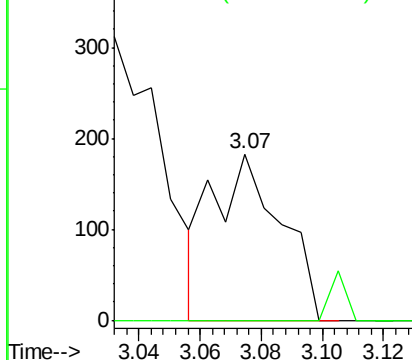


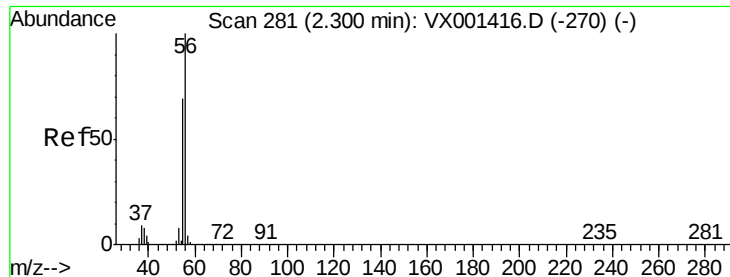
#11
Tert butyl alcohol
Concen: 0.37 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 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: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

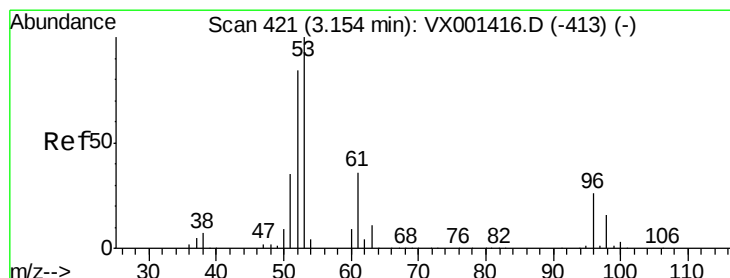
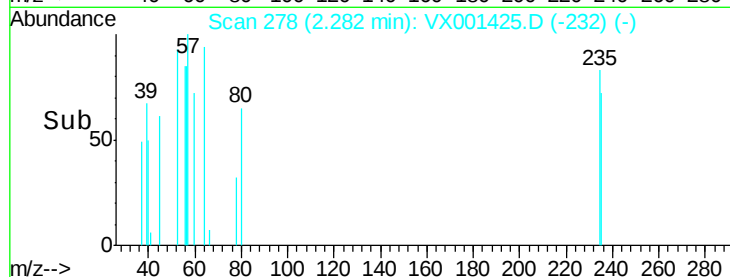
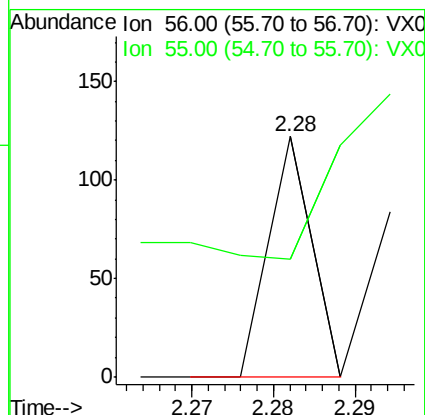
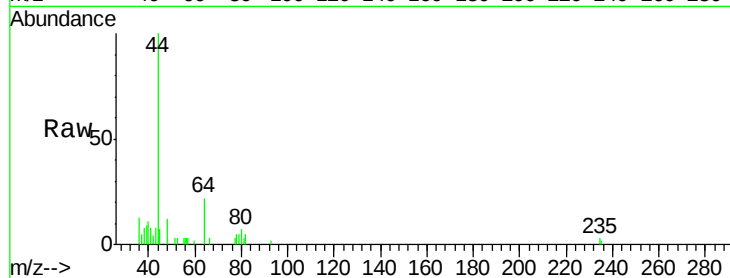
BU-02-050318

Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 200.0 54.5 81.7#



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

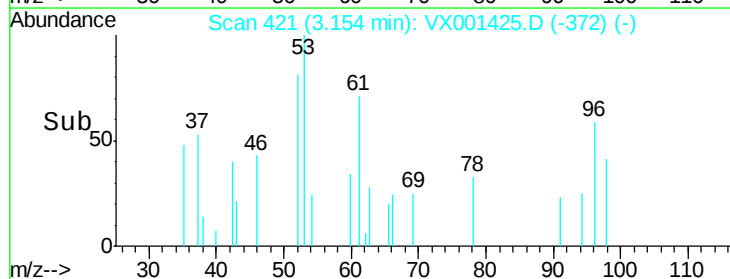
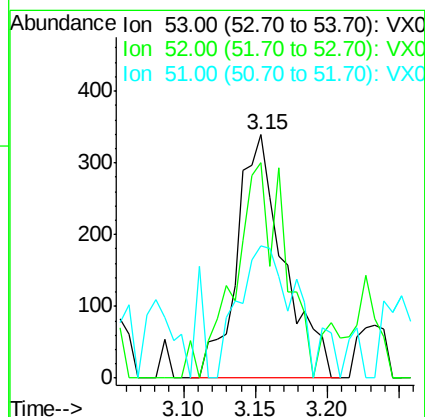
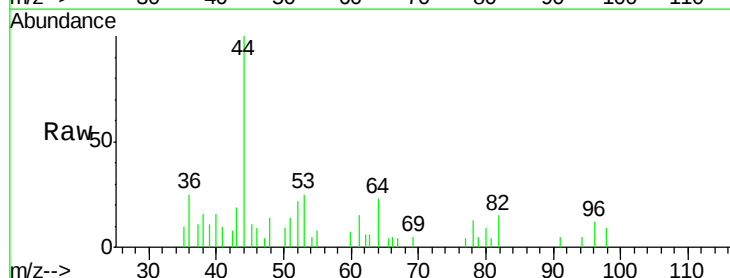
Tgt Ion: 53 Resp: 767

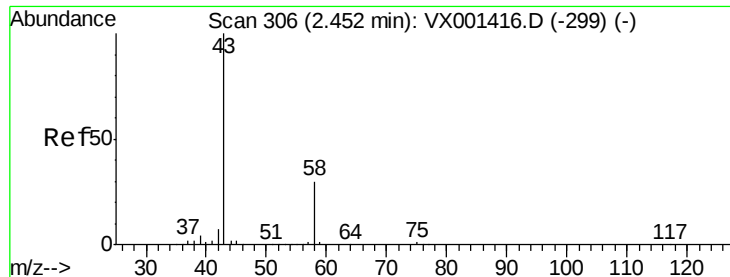
Ion Ratio Lower Upper

53 100

52 94.4 66.2 99.2

51 62.3 28.6 43.0#





#16

Acetone

Concen: 20.34 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

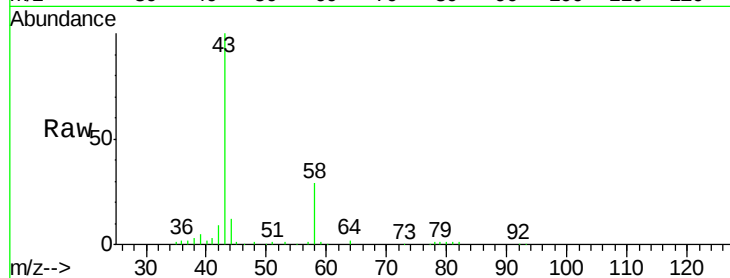
BU-02-050318

Tgt Ion: 43 Resp: 33515

Ion Ratio Lower Upper

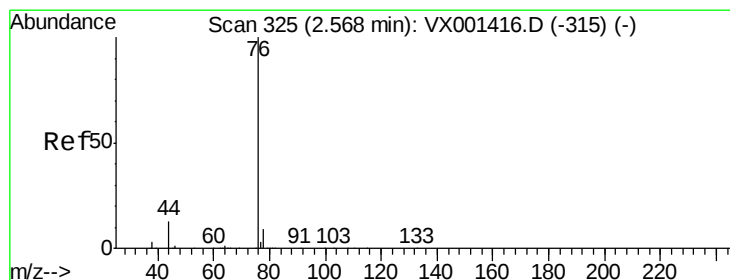
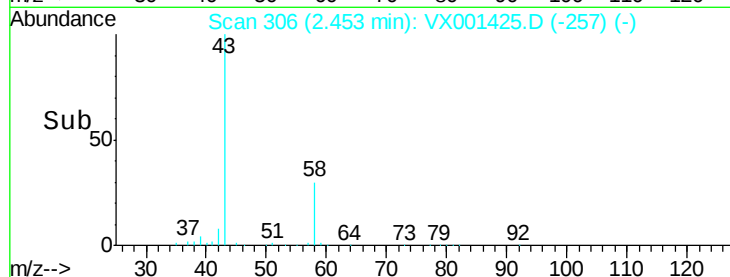
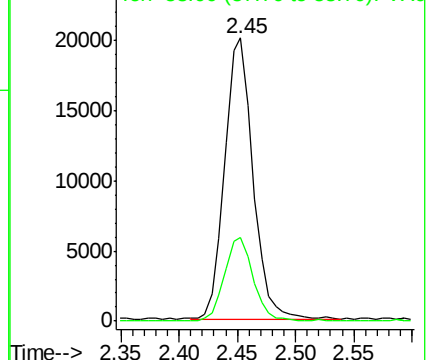
43 100

58 29.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001425.D

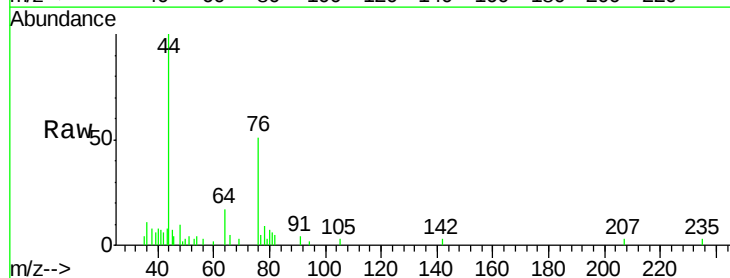
Acq: 05 May 2018 18:21

Tgt Ion: 76 Resp: 2135

Ion Ratio Lower Upper

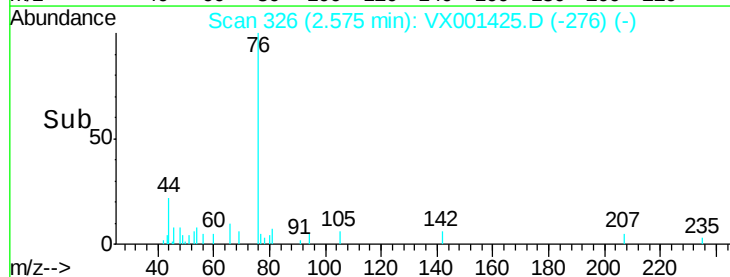
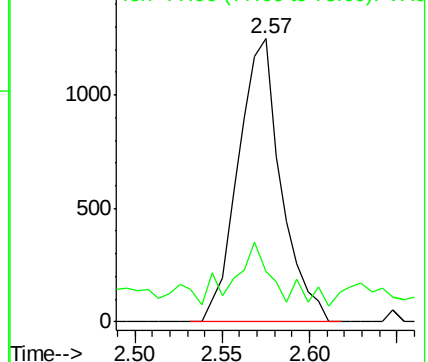
76 100

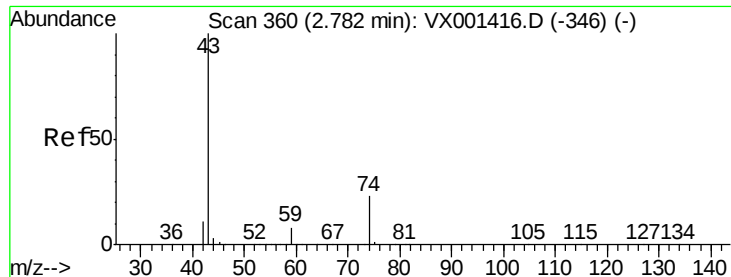
78 7.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

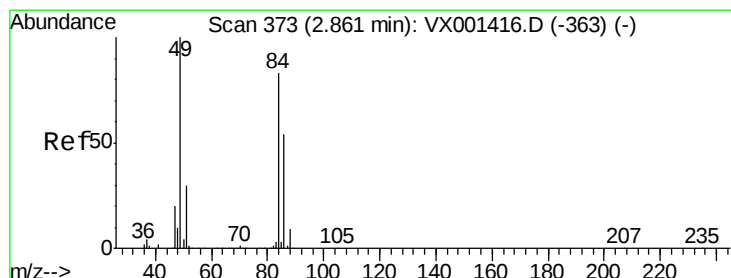
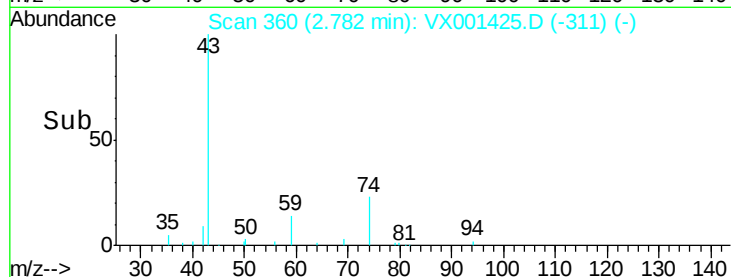
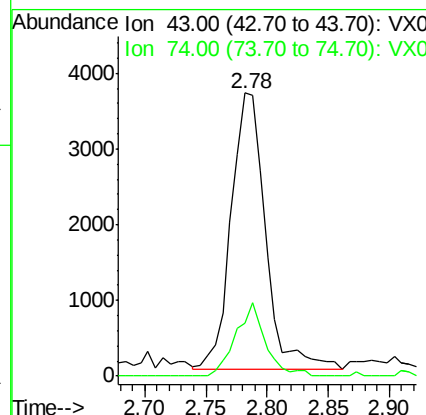
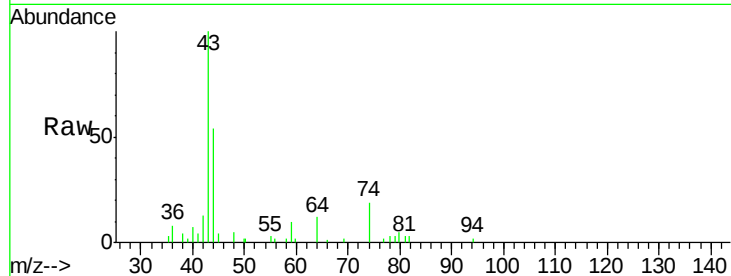




#18
Methyl Acetate
Concen: 1.64 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

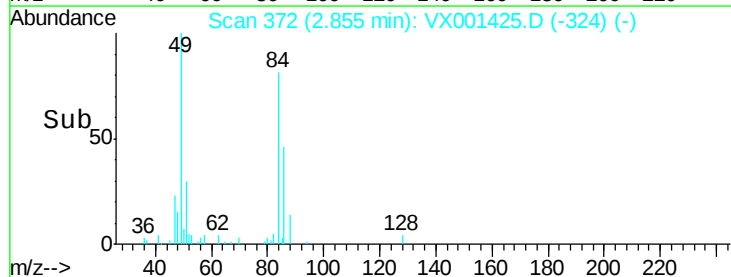
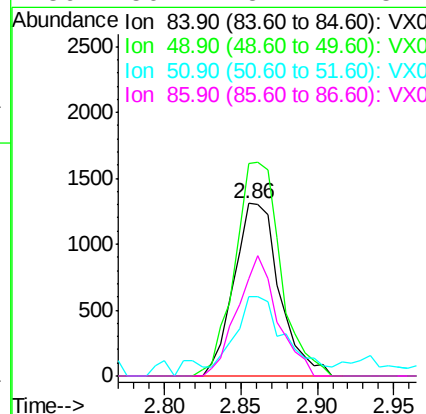
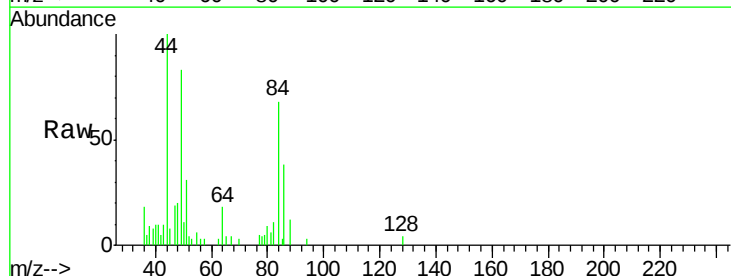
Instrument :
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ClientSampleId :
BU-02-050318

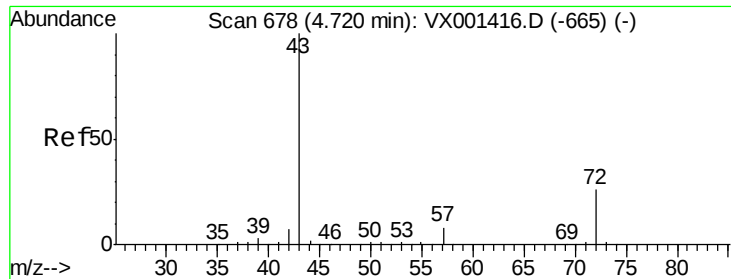
Tgt Ion: 43 Resp: 7105
Ion Ratio Lower Upper
43 100
74 22.9 18.6 27.8



#20
Methylene Chloride
Concen: 0.83 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Tgt Ion: 84 Resp: 2699
Ion Ratio Lower Upper
84 100
49 122.7 96.6 144.8
51 38.1 29.0 43.4
86 56.4 52.2 78.4





#25

2-Butanone

Concen: 0.61 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

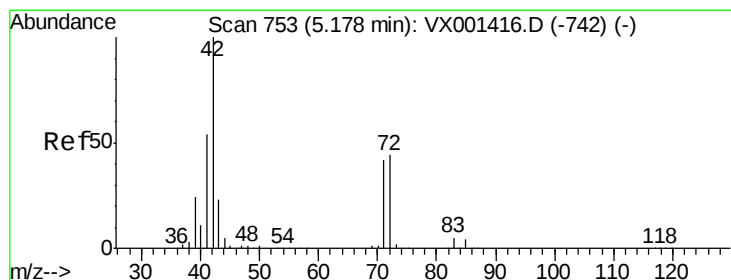
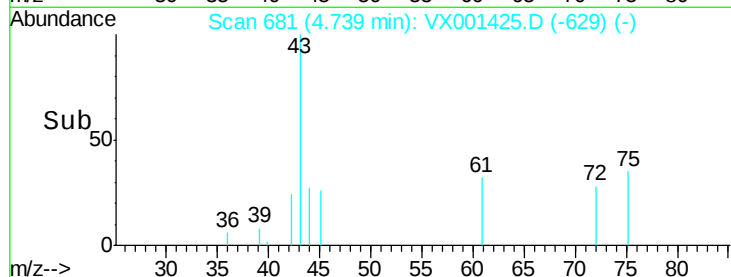
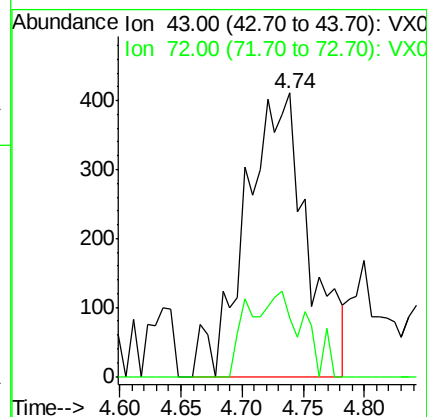
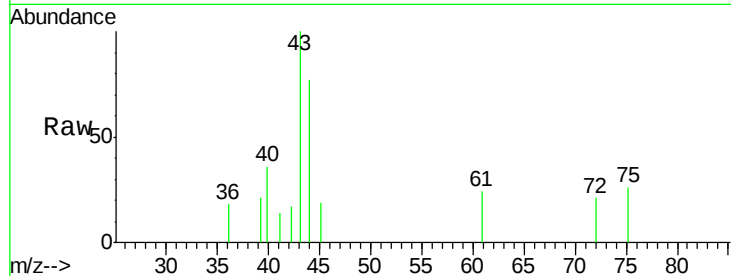
BU-02-050318

Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

72 20.7 20.7 31.1#



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

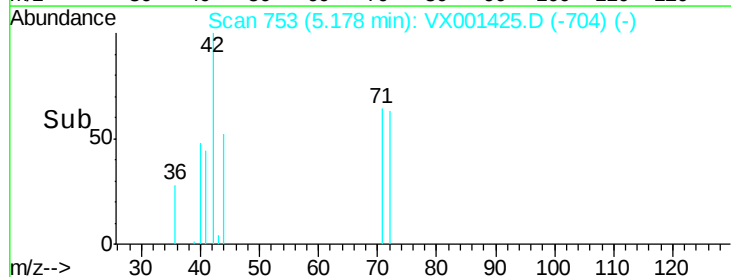
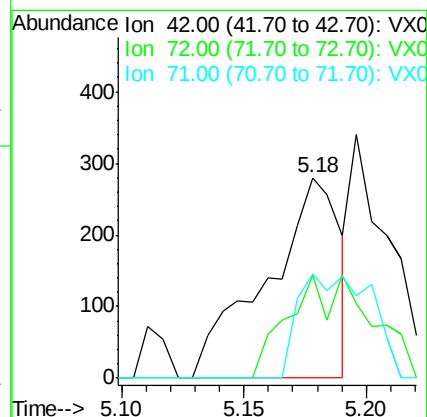
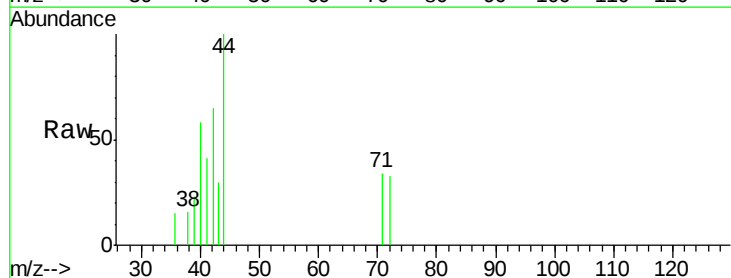
Tgt Ion: 42 Resp: 584

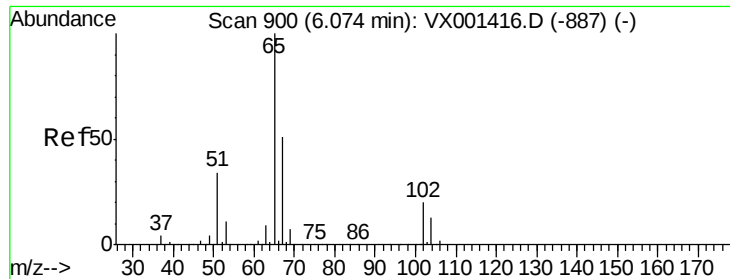
Ion Ratio Lower Upper

42 100

72 28.8 35.4 53.2#

71 51.7 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 44.97 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

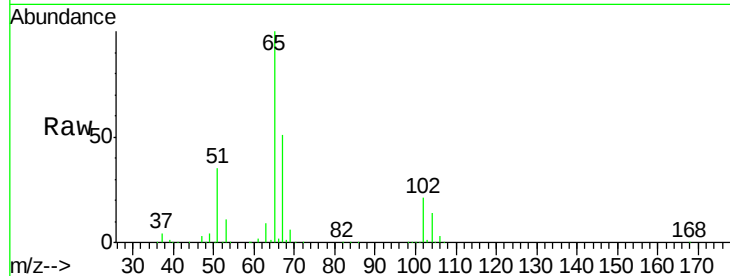
BU-02-050318

Tgt Ion: 65 Resp: 163158

Ion Ratio Lower Upper

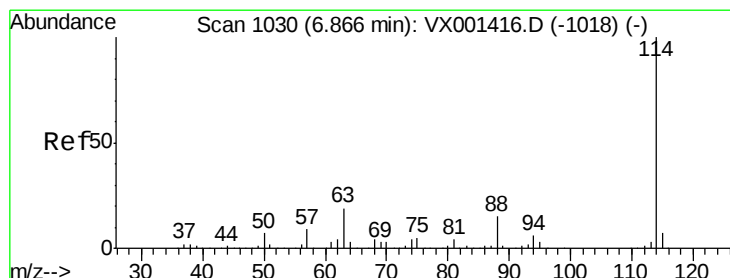
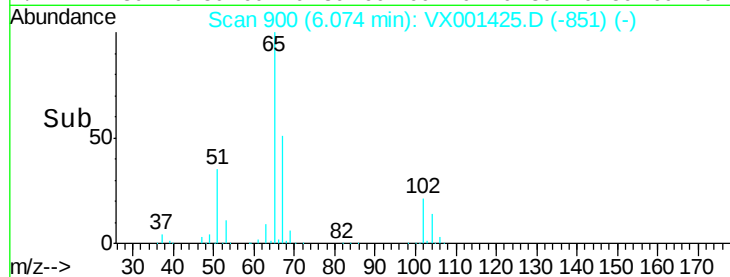
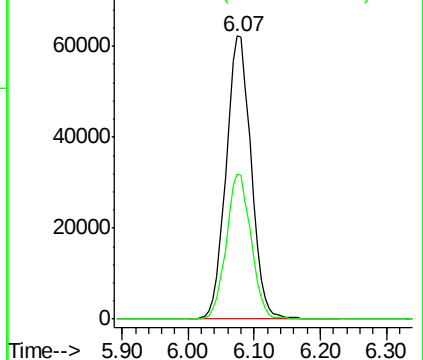
65 100

67 50.5 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: VX001425.D

Acq: 05 May 2018 18:21

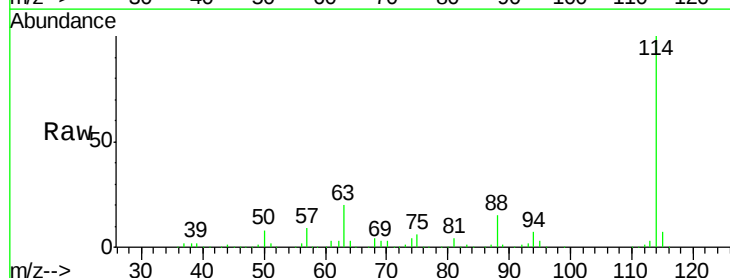
Tgt Ion: 114 Resp: 337829

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

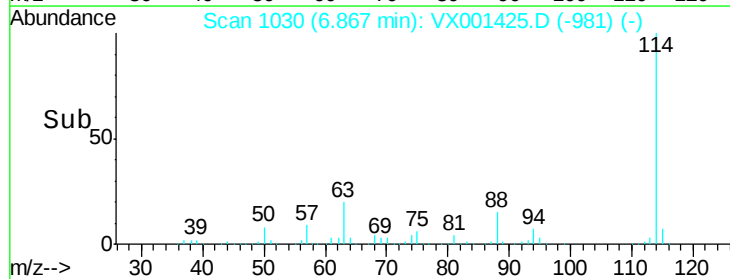
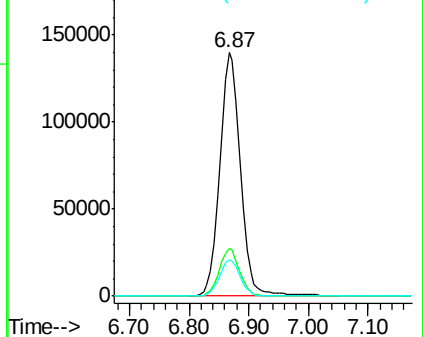
88 15.0 0.0 30.8

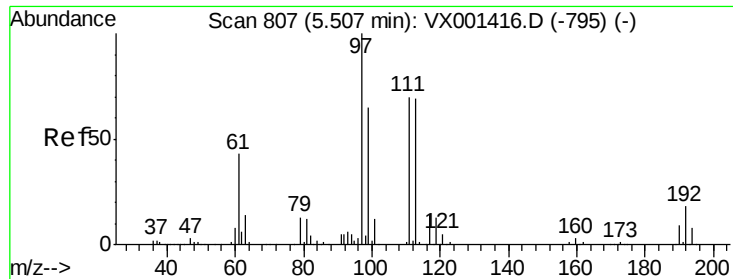


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

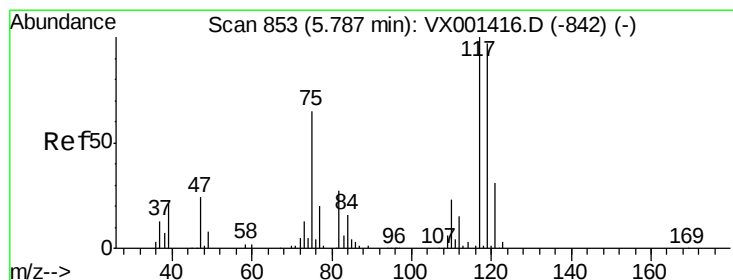
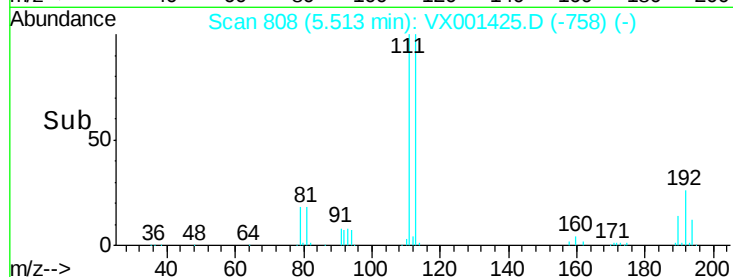
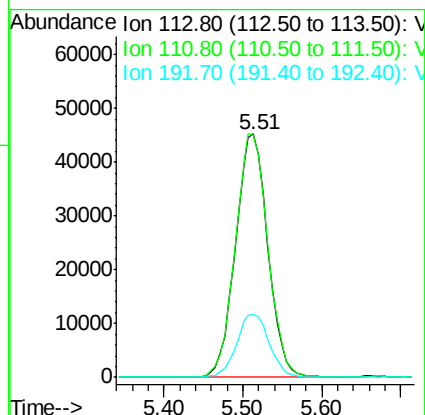
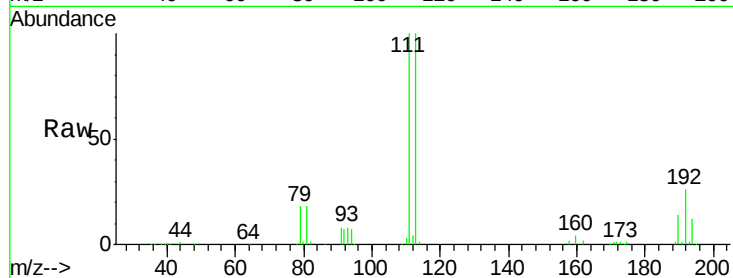




#35
 Dibromofluoromethane
 Concen: 42.74 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001425.D
 Acq: 05 May 2018 18:21

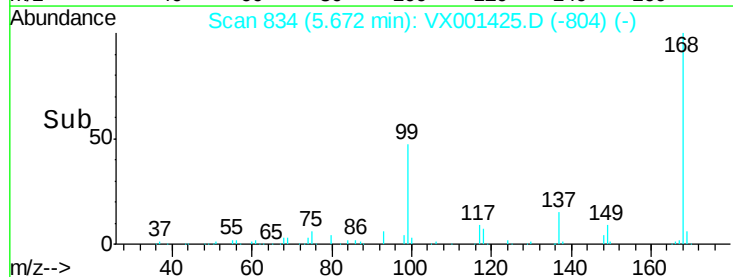
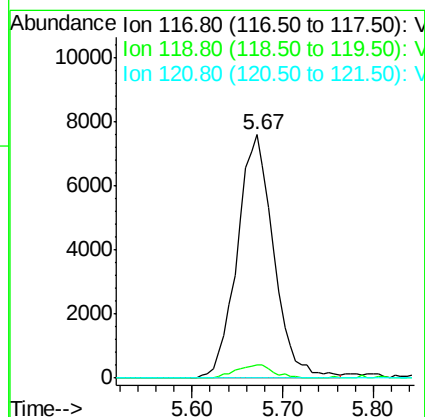
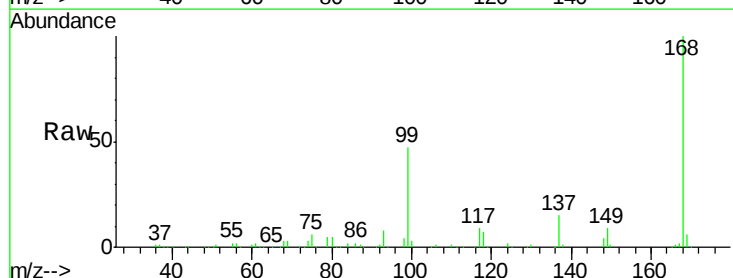
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-02-050318

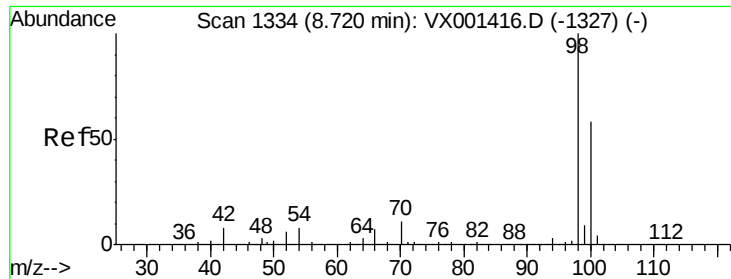
Tgt Ion:113 Resp: 128434
 Ion Ratio Lower Upper
 113 100
 111 100.9 82.2 123.2
 192 26.3 21.4 32.0



#38
 Carbon Tetrachloride
 Concen: 4.62 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001425.D
 Acq: 05 May 2018 18:21

Tgt Ion:117 Resp: 21184
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.0 115.6#
 121 0.0 25.1 37.7#

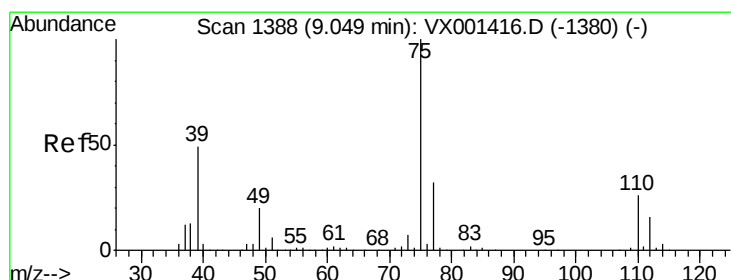
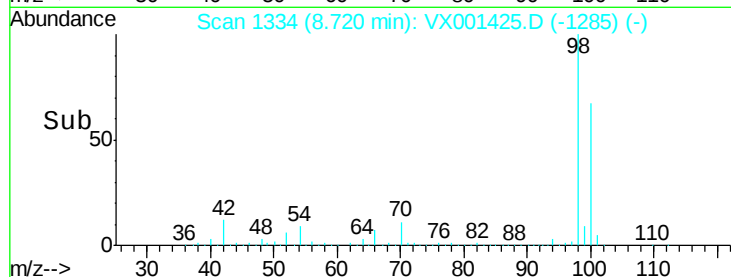
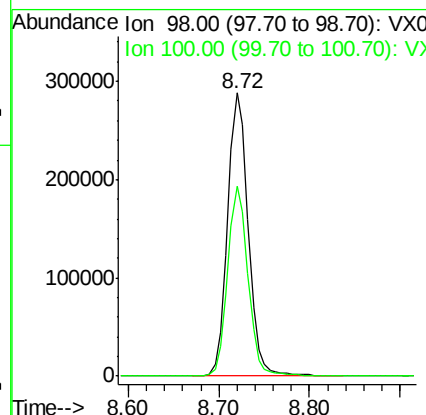
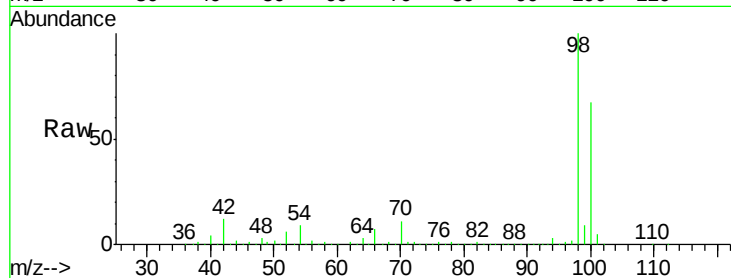




#50
Toluene-d8
Concen: 41.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

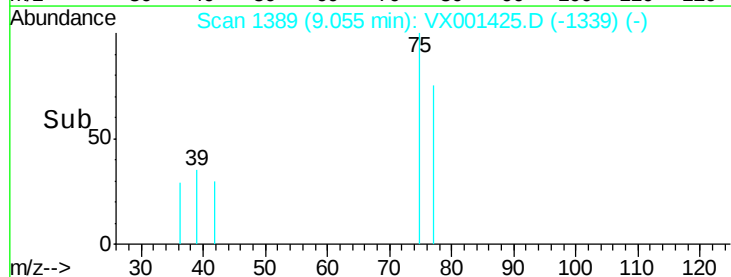
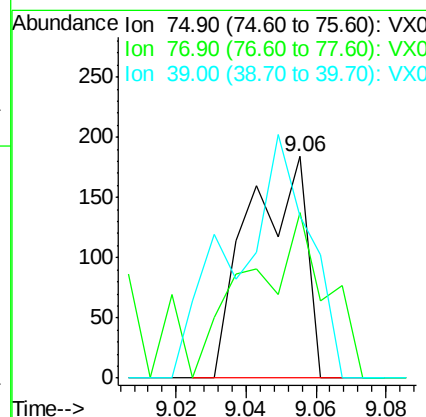
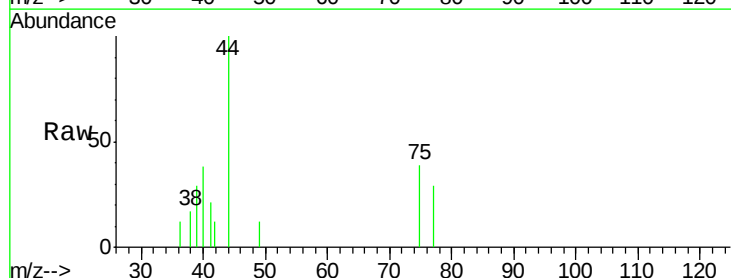
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050318

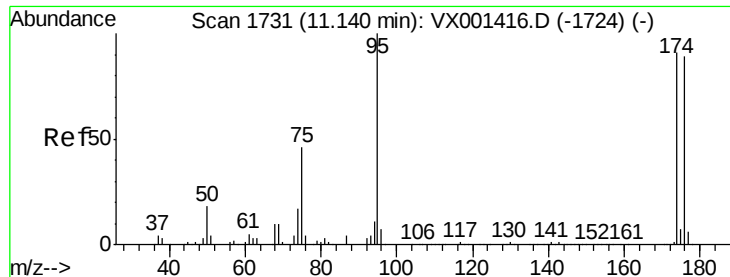
Tgt Ion: 98 Resp: 458685
Ion Ratio Lower Upper
98 100
100 66.4 54.0 81.0



#54
cis-1,3-Dichloropropene
Concen: 2.30 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Tgt Ion: 75 Resp: 210
Ion Ratio Lower Upper
75 100
77 75.0 25.5 38.3#
39 72.8 38.9 58.3#

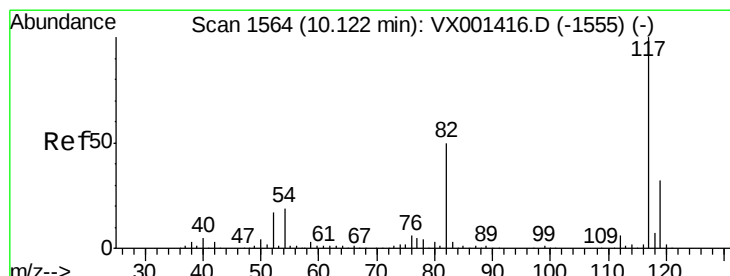
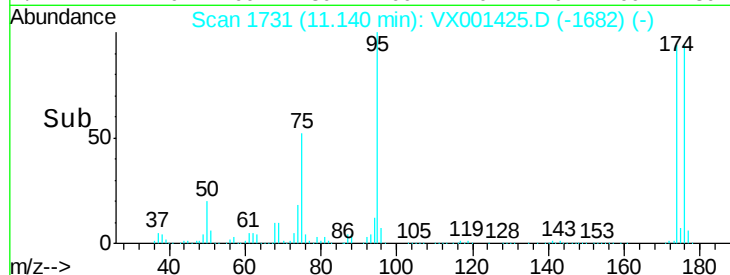
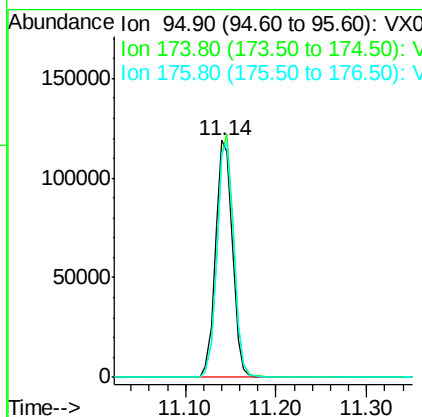
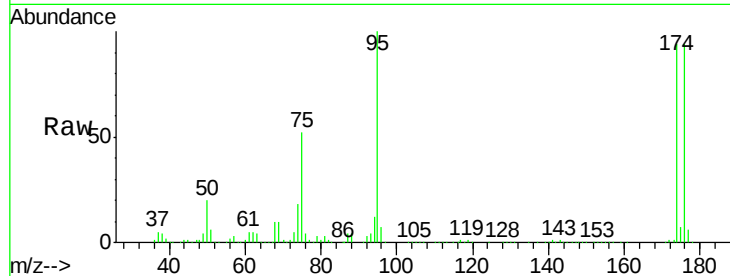




#62
4-Bromofluorobenzene
Concen: 36.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

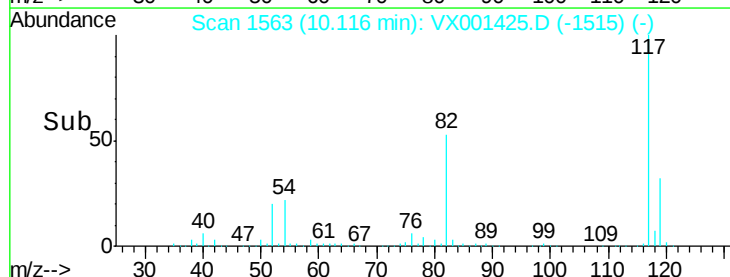
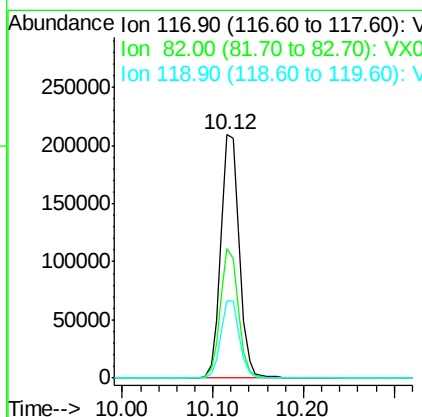
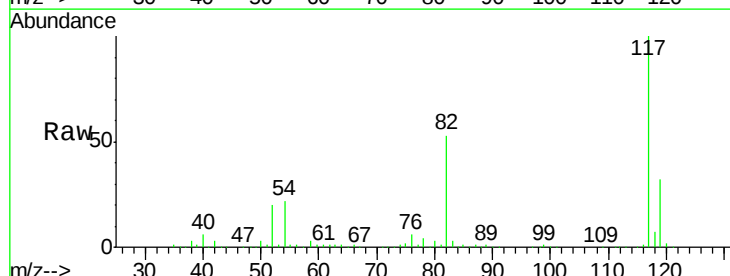
Instrument :
MSVOA_X
ClientSampleId :
BU-02-050318

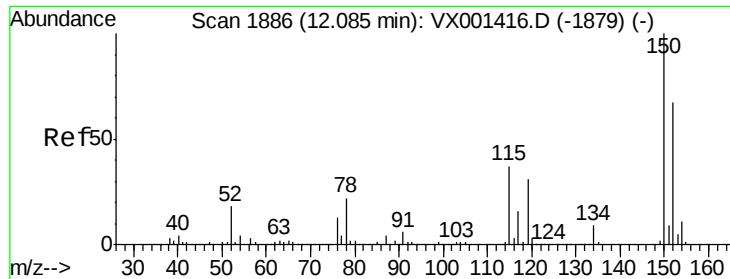
Tgt Ion: 95 Resp: 155660
Ion Ratio Lower Upper
95 100
174 100.0 0.0 202.0
176 98.1 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Tgt Ion: 117 Resp: 298619
Ion Ratio Lower Upper
117 100
82 53.2 40.0 60.0
119 31.7 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050318

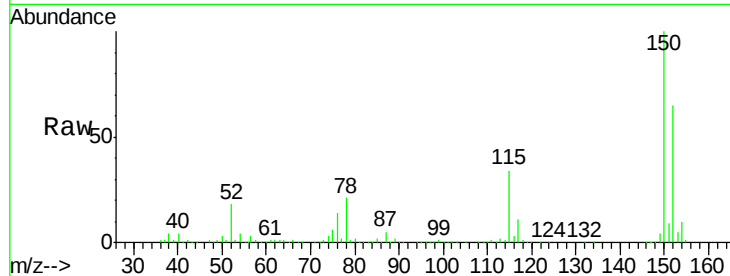
Tgt Ion:152 Resp: 167574

Ion Ratio Lower Upper

152 100

115 53.1 37.7 113.1

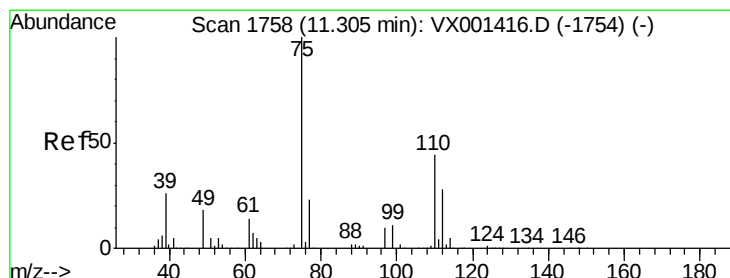
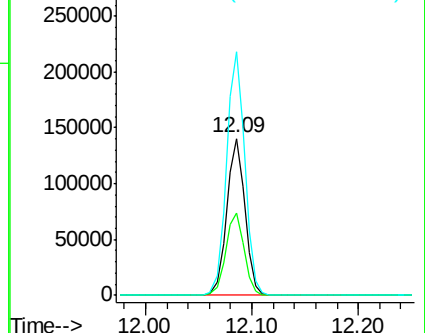
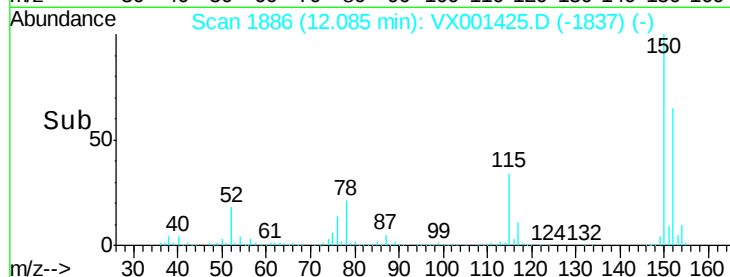
150 156.3 0.0 349.4



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: 23.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001425.D

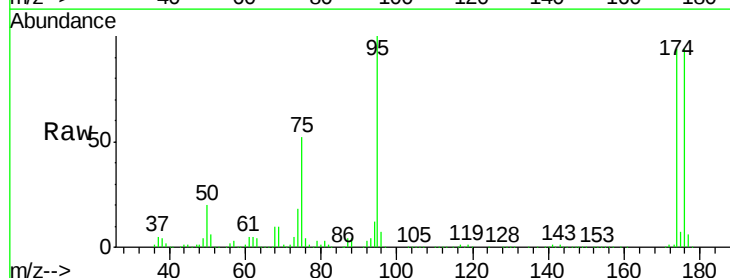
Acq: 05 May 2018 18:21

Tgt Ion: 75 Resp: 79296

Ion Ratio Lower Upper

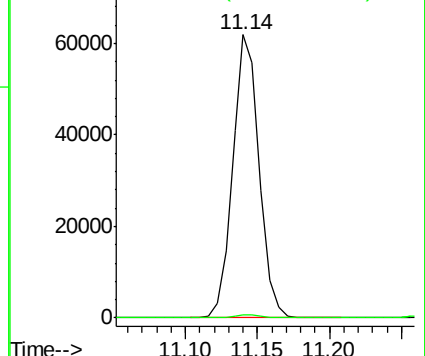
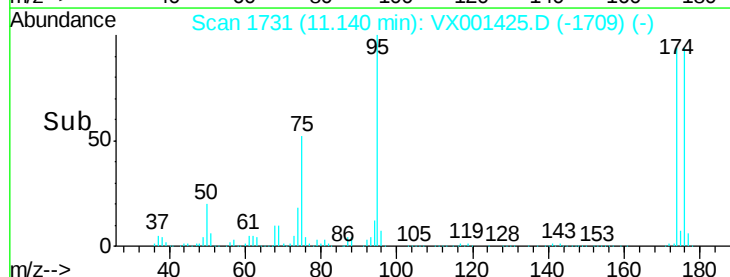
75 100

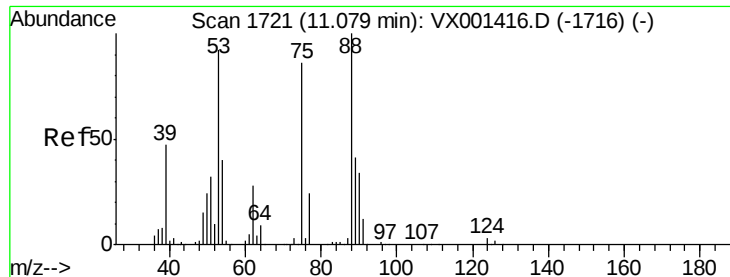
77 1.1 19.6 58.7#



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: 72.30 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

Instrument :

MSVOA_X

ClientSampleId :

BU-02-050318

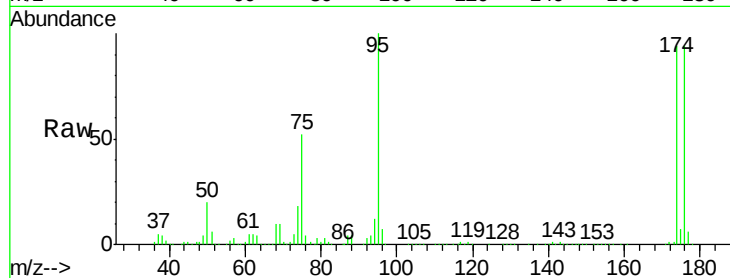
Tgt Ion: 75 Resp: 79296

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

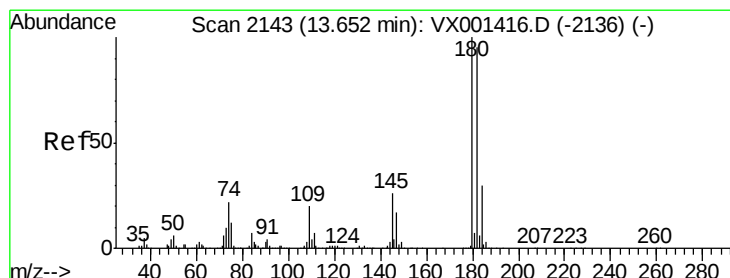
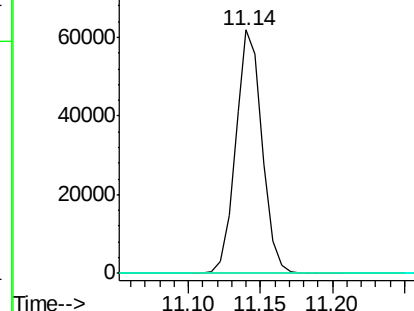
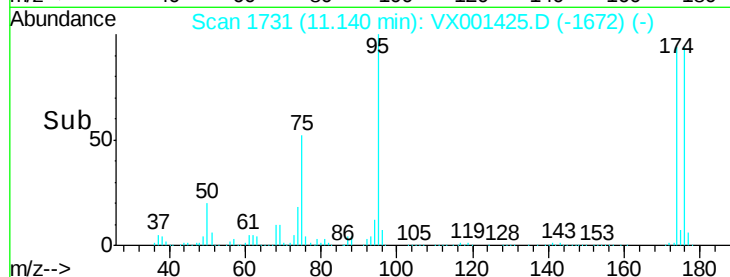
89 0.0 39.5 59.3#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001425.D

Acq: 05 May 2018 18:21

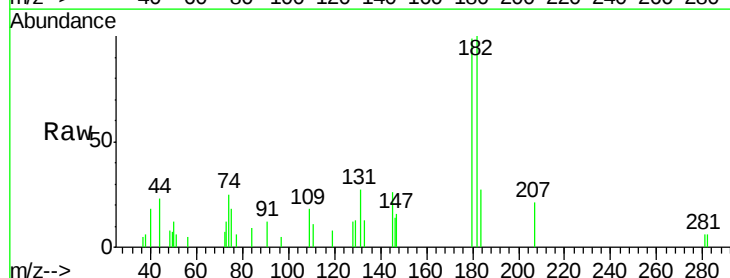
Tgt Ion: 180 Resp: 1066

Ion Ratio Lower Upper

180 100

182 98.4 47.8 143.4

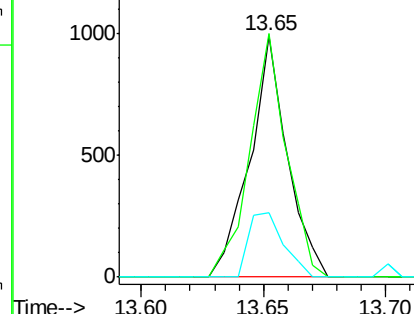
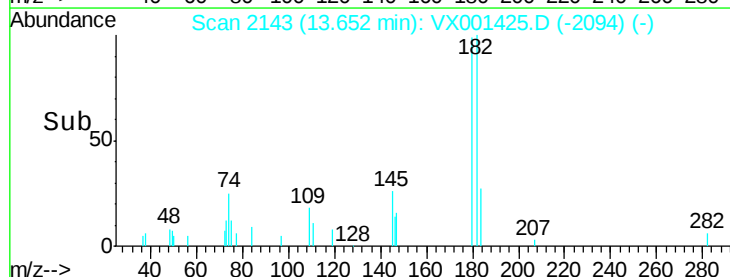
145 24.6 13.3 39.9

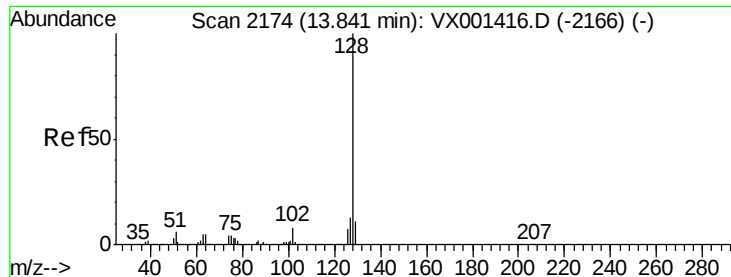


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

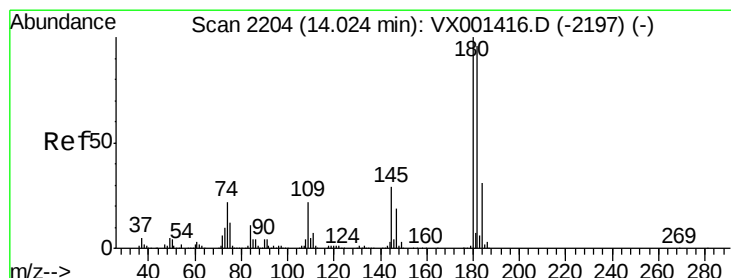
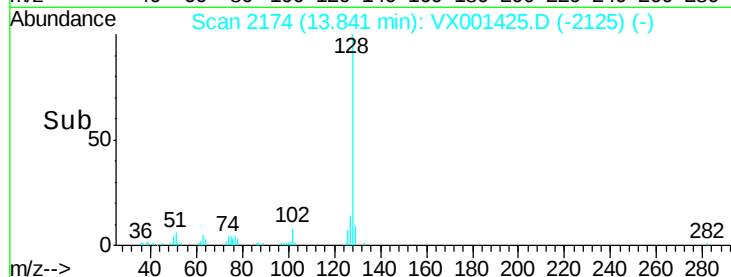
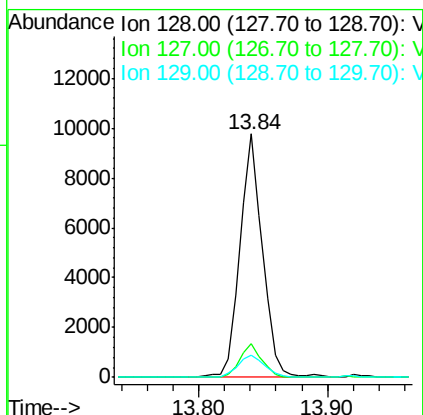
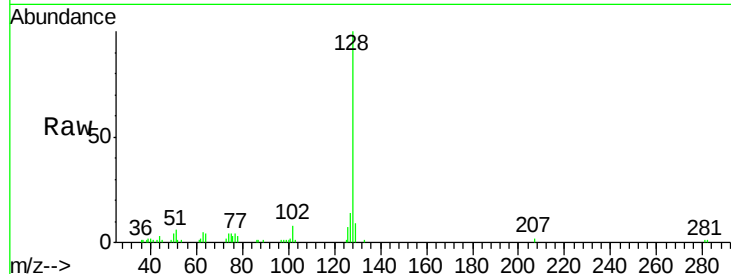




#95
Naphthalene
Concen: 0.95 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Instrument :
MSVOA_X
ClientSampleId :
BU-02-050318

Tgt Ion:128 Resp: 11798
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.22 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX001425.D
Acq: 05 May 2018 18:21

Tgt Ion:180 Resp: 1035
Ion Ratio Lower Upper
180 100
182 86.4 48.0 144.2
145 35.9 14.1 42.4

