

Data File : VX000425.D

Acq On : 23 Mar 2018 13:28

Operator : JC/MD

Sample : J1748-14 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-D

Quant Time: Mar 24 05:54:03 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	129500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	223263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	207872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	96553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	91728	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	5.51	113	72178	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	8.72	98	278246	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.15	95	88526	37.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.38%	

Target Compounds

						Qvalue
6) Chloroethane	1.72	64	473	Below Cal	#	44
10) Methyl Iodide	2.52	142	276	4.44	ug/l #	86
11) Tert butyl alcohol	3.03	59	512	0.88	ug/l #	72
13) Acrolein	2.36	56	19	14.67	ug/l #	62
15) Acrylonitrile	3.15	53	317	0.27	ug/l #	73
16) Acetone	2.45	43	2287	1.63	ug/l #	77
17) Carbon Disulfide	2.57	76	724	0.21	ug/l #	57
20) Methylene Chloride	2.86	84	1921	1.18	ug/l	92
29) Tetrahydrofuran	5.18	42	471	0.48	ug/l #	46
31) Cyclohexane	5.66	56	3004	1.41	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	9893	4.73	ug/l #	52
38) Carbon Tetrachloride	5.67	117	12301	5.61	ug/l #	17
43) Isopropyl Acetate	6.48	43	1711	0.40	ug/l #	91
60) Dibromochloromethane	9.59	129	41	4.13	ug/l #	12
67) Ethyl Benzene	10.26	91	1871	0.24	ug/l #	85
68) m/p-Xylenes	10.36	106	1029	0.33	ug/l	96
69) o-Xylene	10.71	106	622	0.21	ug/l	75
74) N-amyl acetate	6.48	43	1711	Below Cal	#	93
76) 1,2,3-Trichloropropane	11.15	75	51021	24.59	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	51021	79.61	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1927	0.34	ug/l	97
90) Hexachloroethane	12.48	117	368	0.39	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.65	180	504	0.22	ug/l	79
95) Naphthalene	13.84	128	72142	9.14	ug/l	99

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

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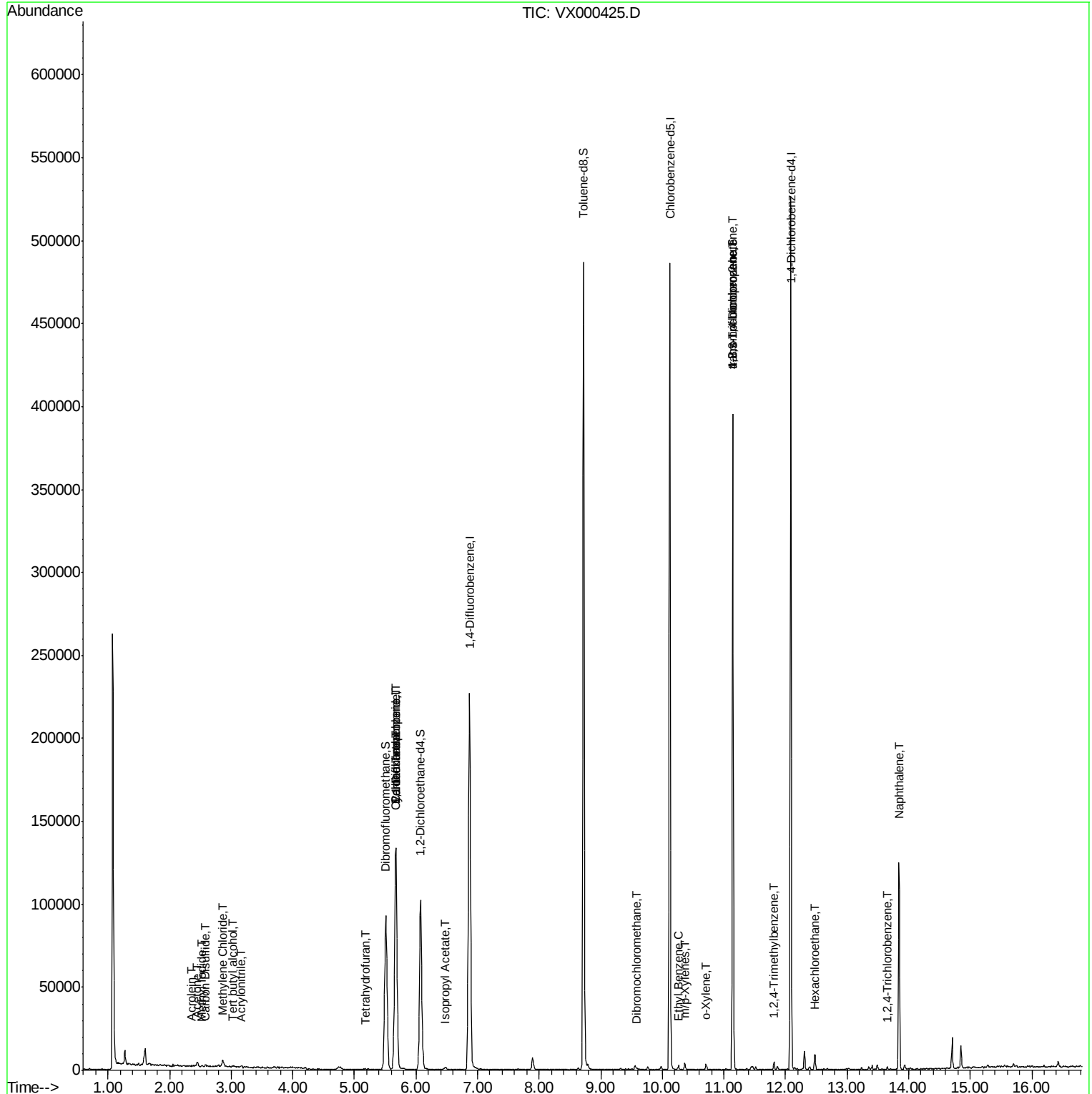
Quant Time: Mar 24 05:54:03 2018

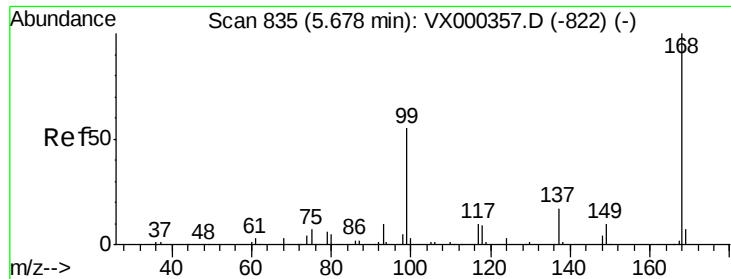
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

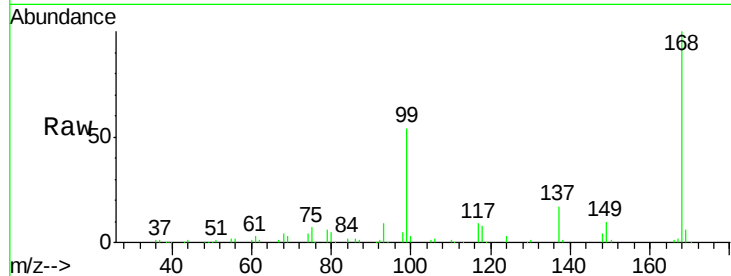
AU-05-032218-D

Tgt Ion:168 Resp: 129500

Ion Ratio Lower Upper

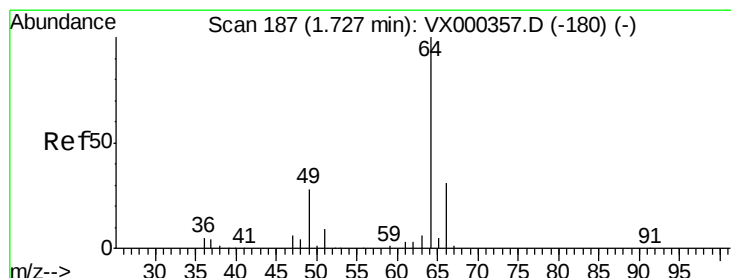
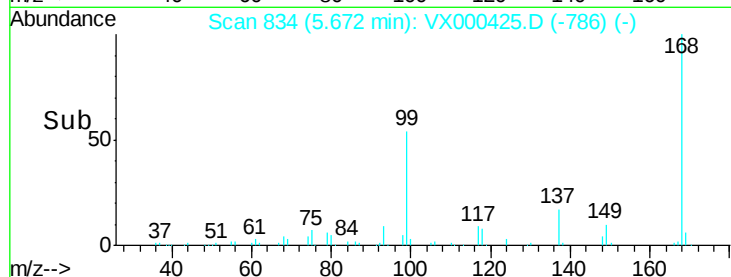
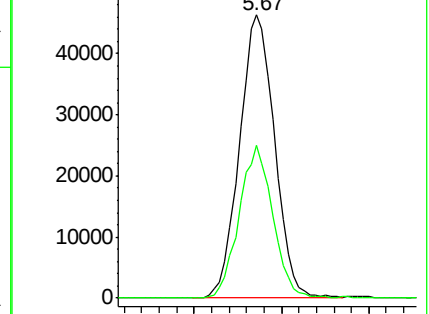
168 100

99 54.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000425.D

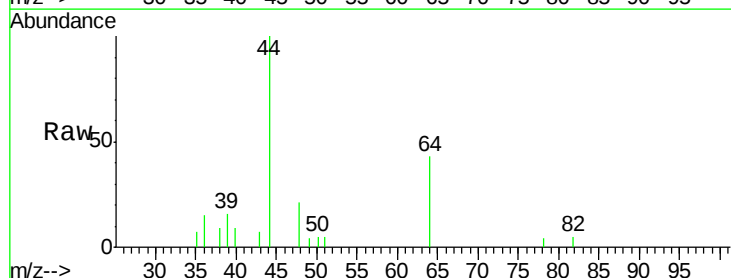
Acq: 23 Mar 2018 13:28

Tgt Ion: 64 Resp: 473

Ion Ratio Lower Upper

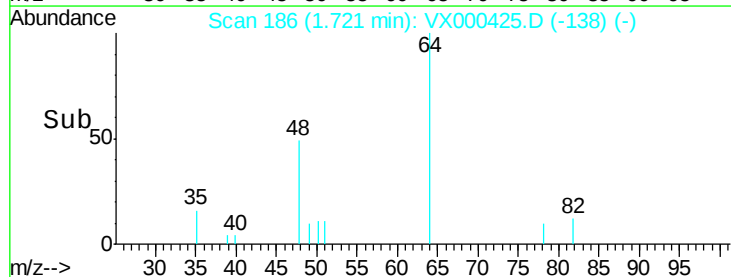
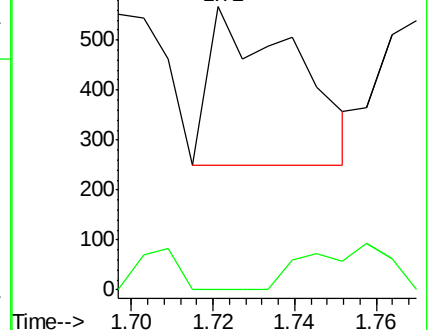
64 100

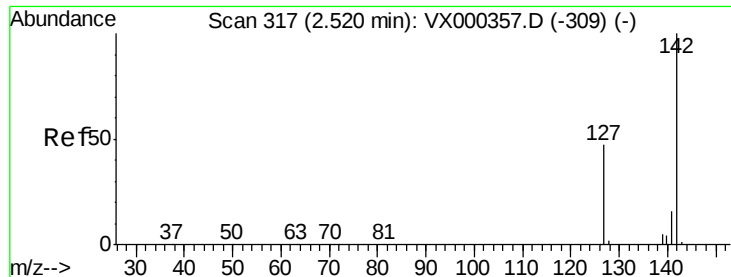
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

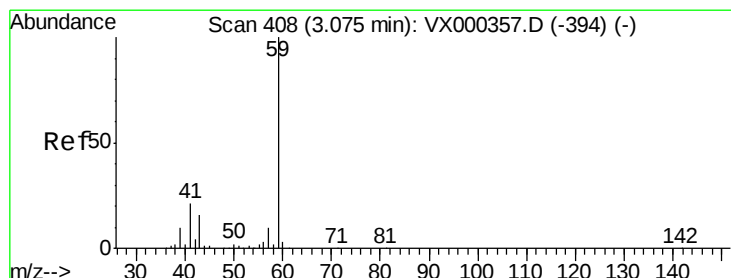
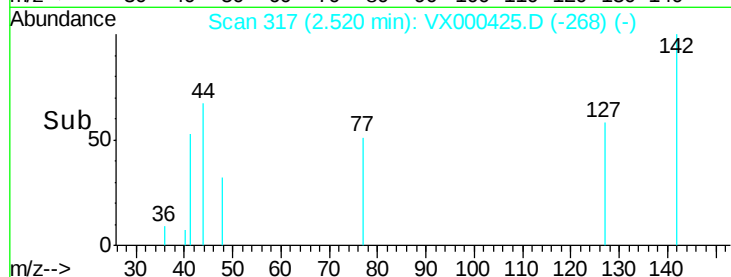
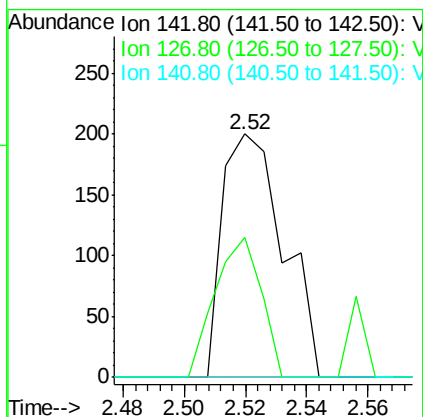
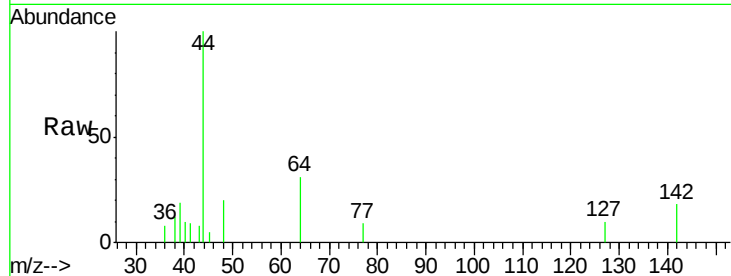




#10
Methyl Iodide
Concen: 4.44 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

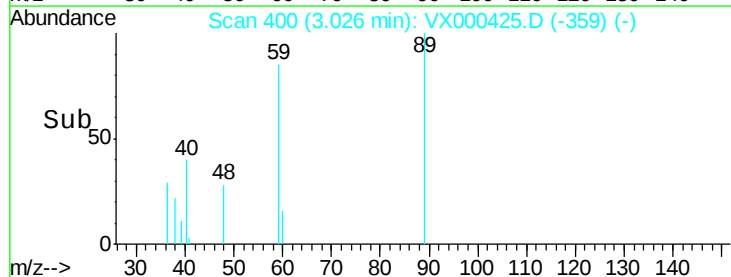
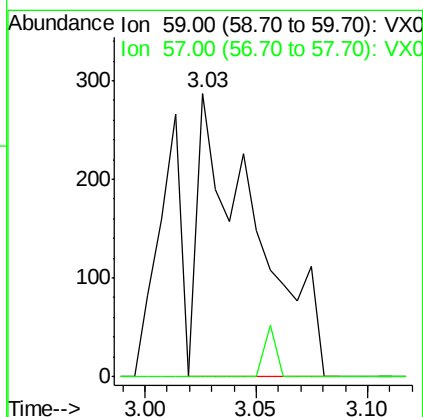
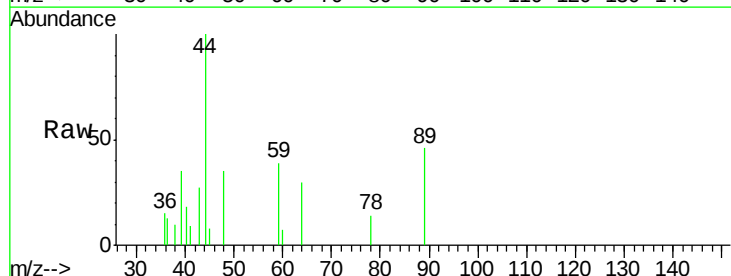
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-D

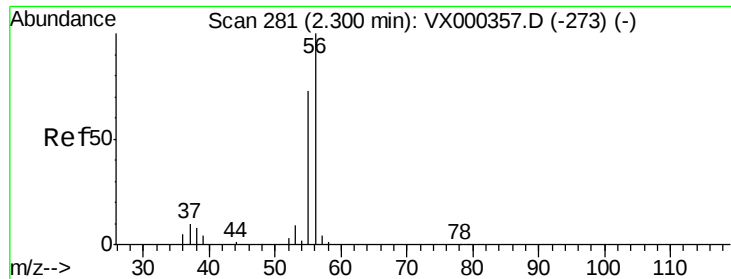
Tgt Ion:142 Resp: 276
Ion Ratio Lower Upper
142 100
127 43.5 39.2 58.8
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 0.88 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

Tgt Ion: 59 Resp: 512
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#13

Acrolein

Concen: 14.67 ug/l

RT: 2.36 min Scan# 290

Delta R.T. 0.06 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

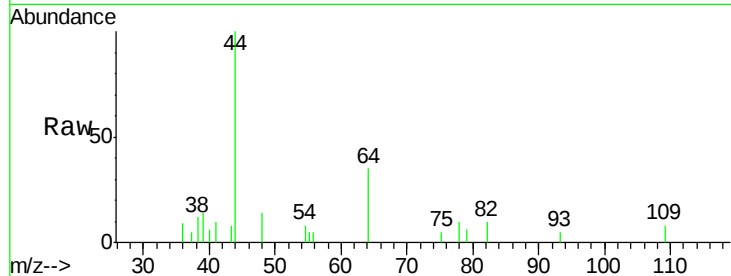
AU-05-032218-D

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

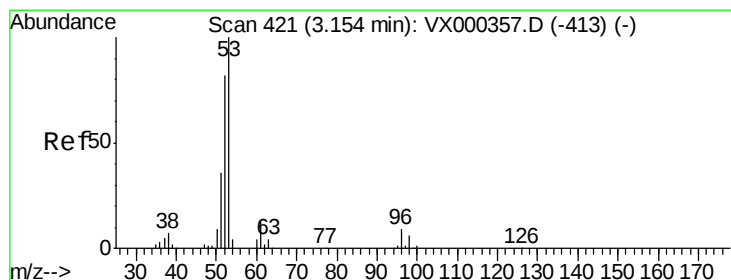
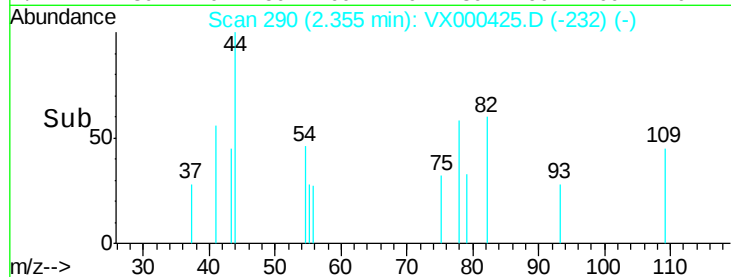
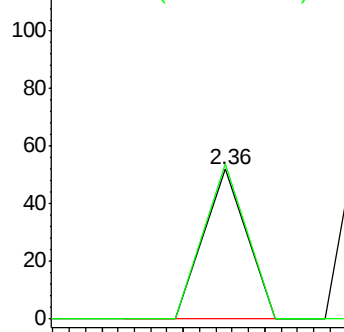
56 100

55 105.3 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

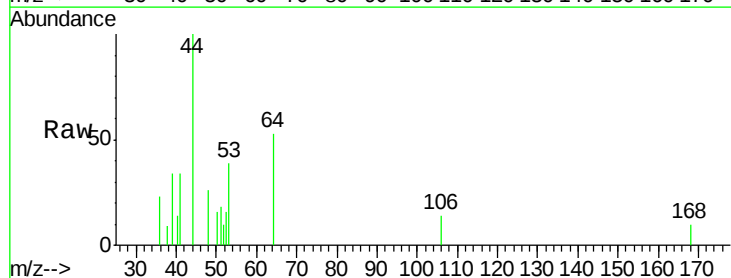
Tgt Ion: 53 Resp: 317

Ion Ratio Lower Upper

53 100

52 100.3 66.6 99.8#

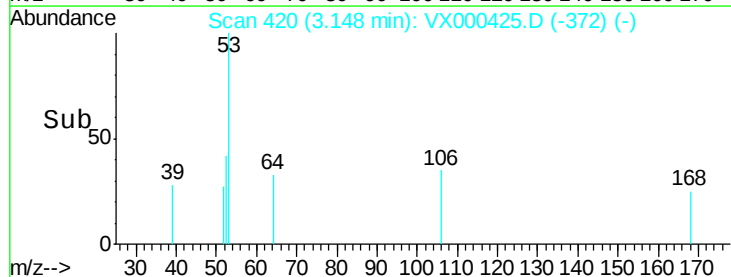
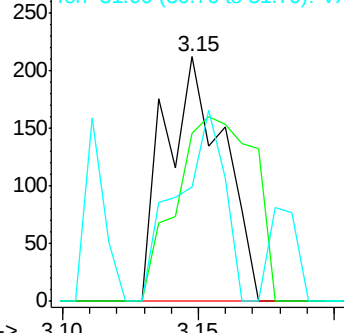
51 63.1 29.3 43.9#

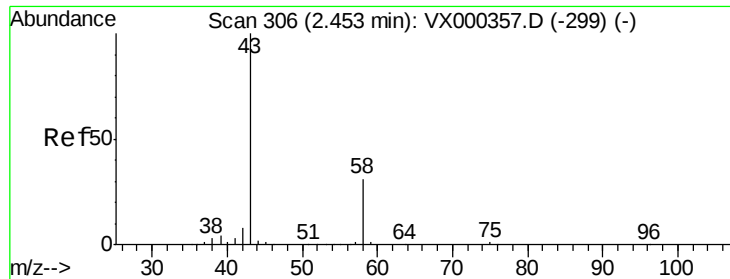


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.63 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

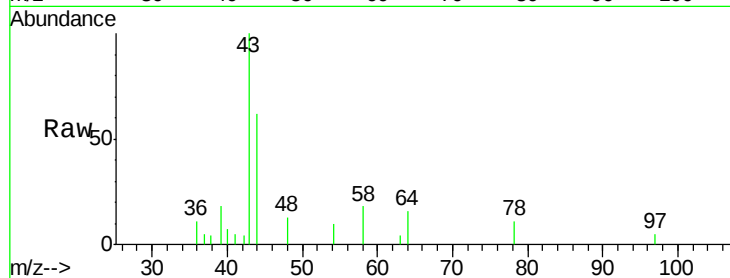
AU-05-032218-D

Tgt Ion: 43 Resp: 2287

Ion Ratio Lower Upper

43 100

58 18.4 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1500

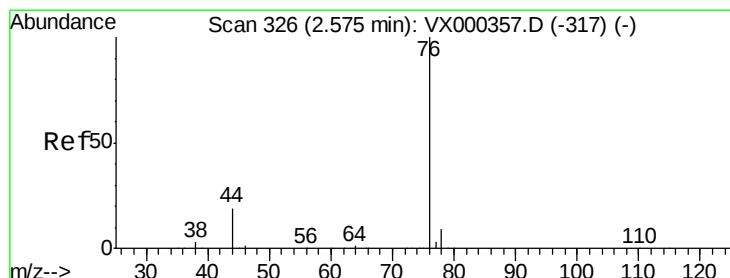
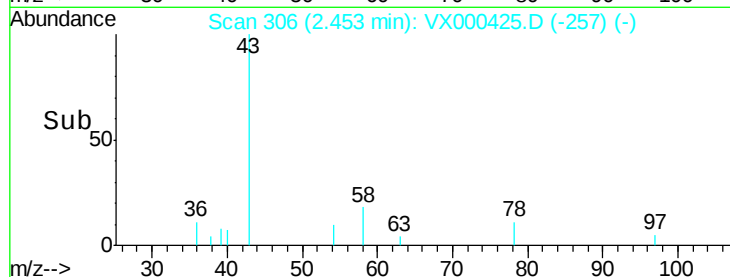
1000

500

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000425.D

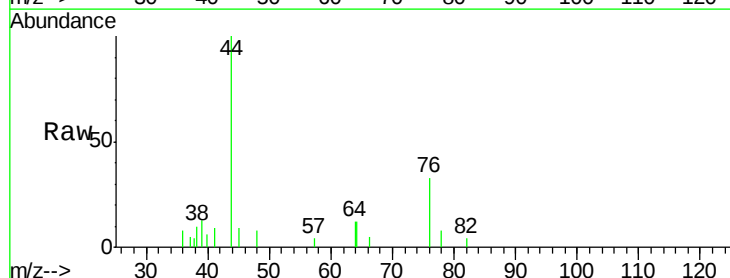
Acq: 23 Mar 2018 13:28

Tgt Ion: 76 Resp: 724

Ion Ratio Lower Upper

76 100

78 24.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500

400

300

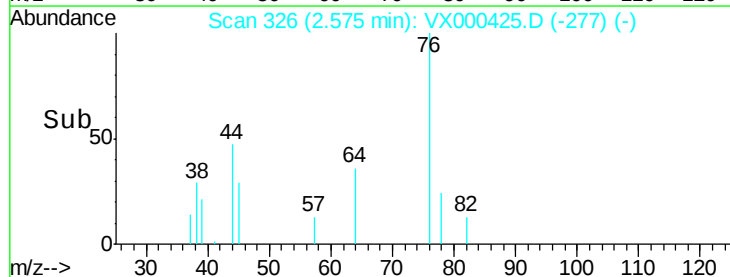
200

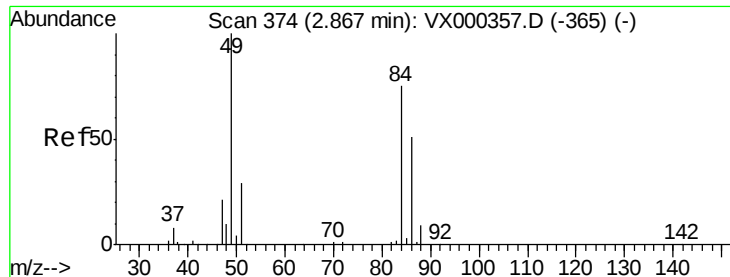
100

0

2.55 2.60

Time-->

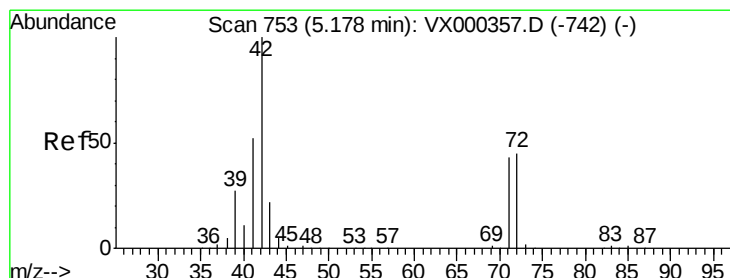
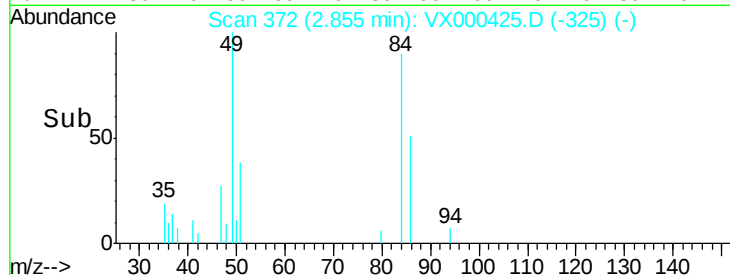
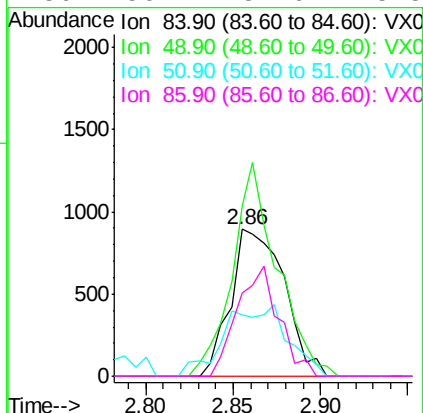
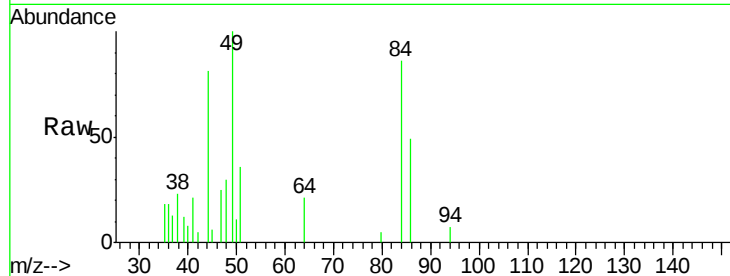




#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

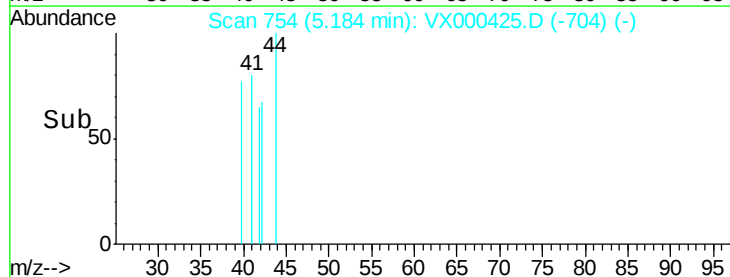
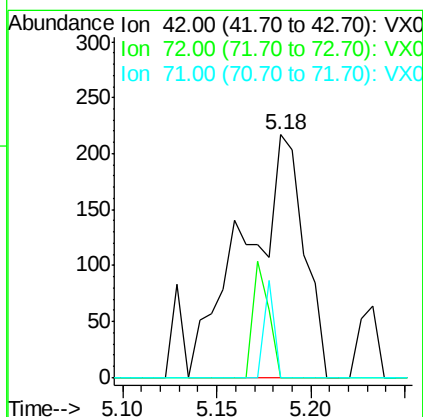
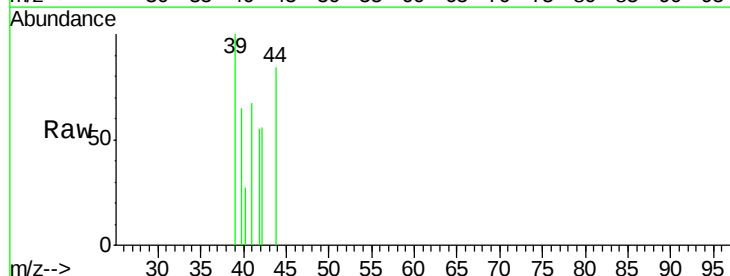
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-D

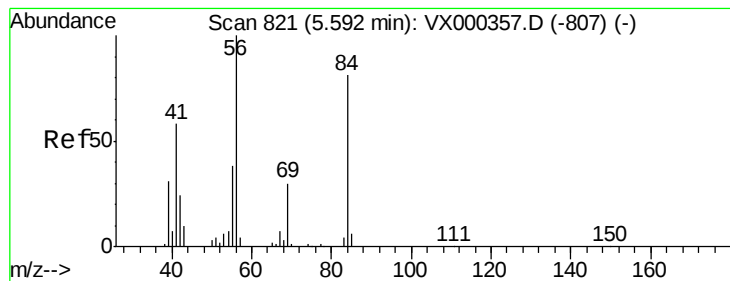
Tgt Ion: 84 Resp: 1921
Ion Ratio Lower Upper
84 100
49 116.2 100.6 151.0
51 41.9 31.6 47.4
86 56.7 52.6 78.8



#29
Tetrahydrofuran
Concen: 0.48 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

Tgt Ion: 42 Resp: 471
Ion Ratio Lower Upper
42 100
72 12.7 37.9 56.9#
71 6.8 34.4 51.6#





#31

Cyclohexane

Concen: 1.41 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.07 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampled :

AU-05-032218-D

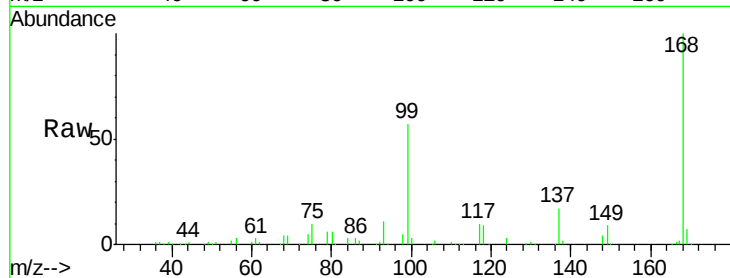
Tgt Ion: 56 Resp: 3004

Ion Ratio Lower Upper

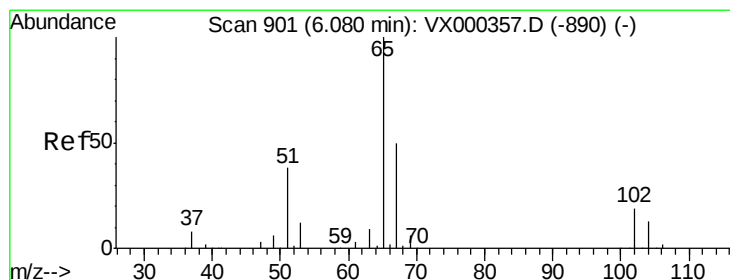
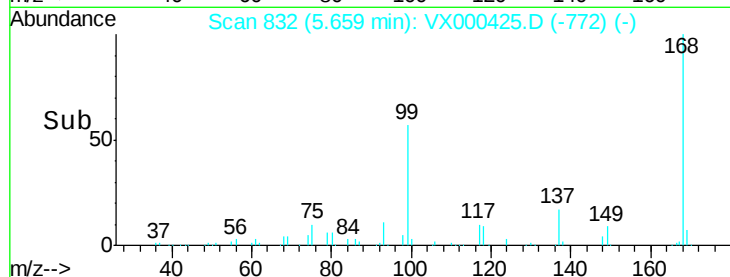
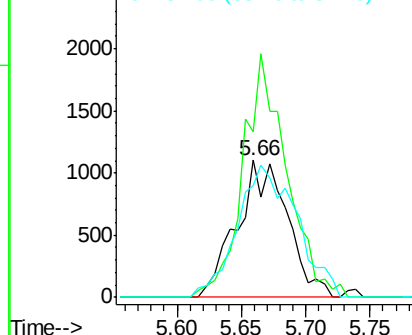
56 100

69 120.5 23.4 35.0#

84 81.4 71.0 106.4



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: 54.26 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000425.D

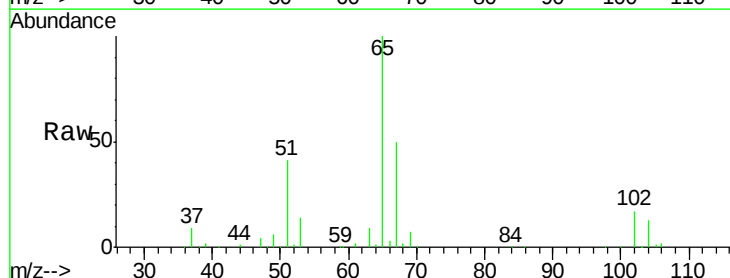
Acq: 23 Mar 2018 13:28

Tgt Ion: 65 Resp: 91728

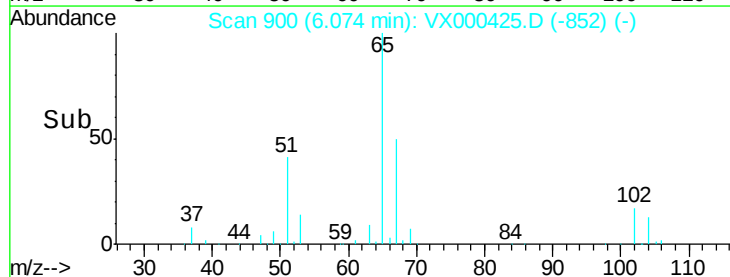
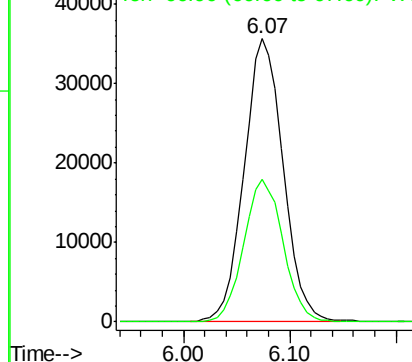
Ion Ratio Lower Upper

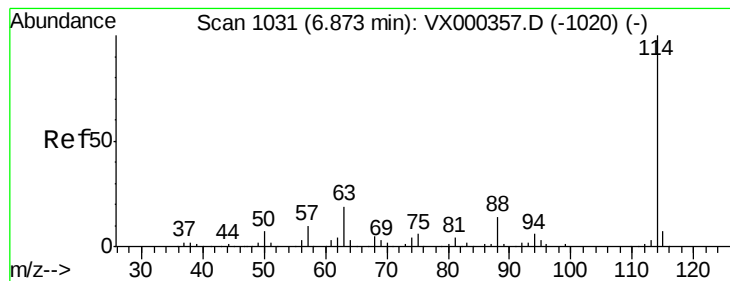
65 100

67 50.8 0.0 103.2



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. -0.01 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-D

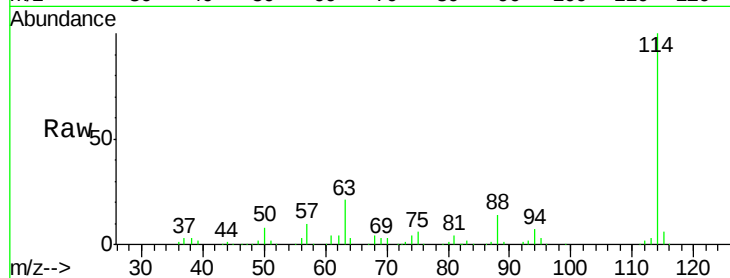
Tgt Ion:114 Resp: 223263

Ion Ratio Lower Upper

114 100

63 21.0 0.0 38.4

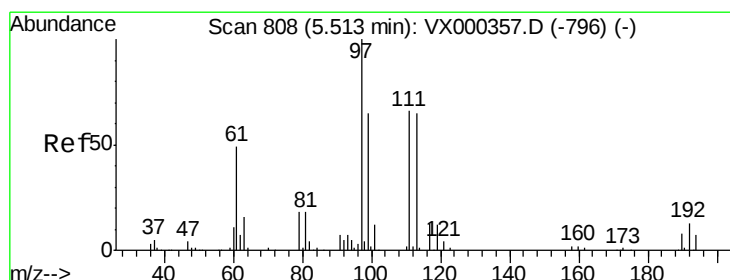
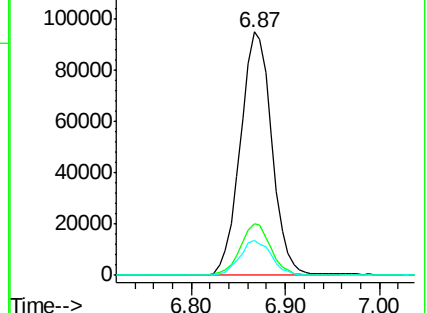
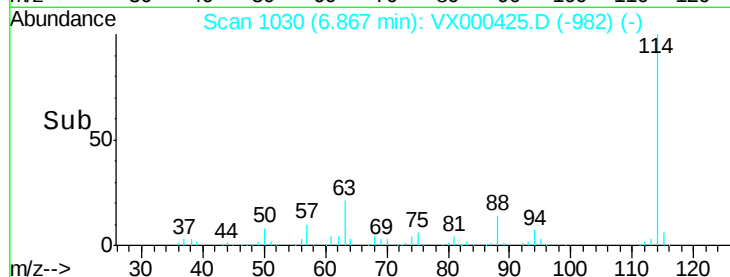
88 14.3 0.0 27.0



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: 51.31 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

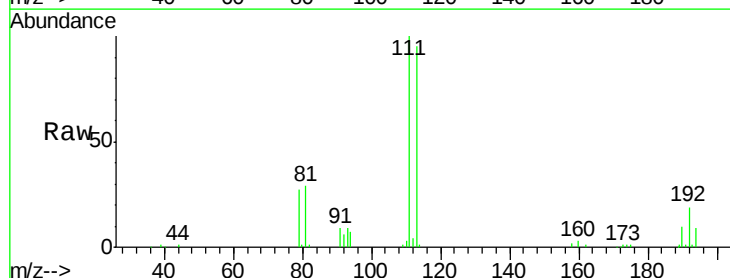
Tgt Ion:113 Resp: 72178

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

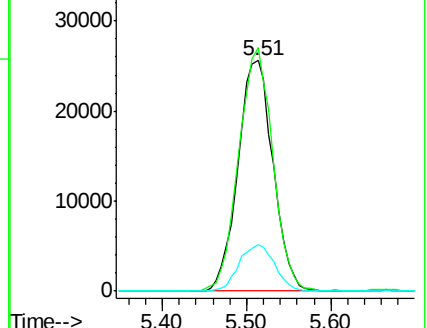
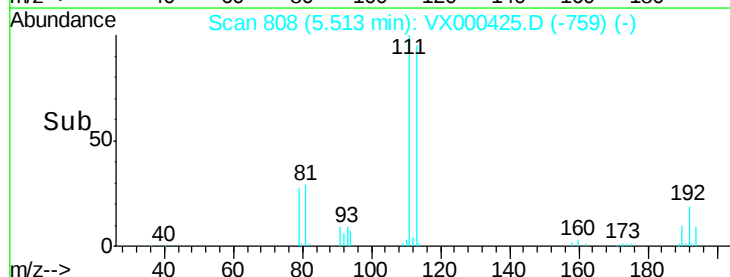
192 20.5 15.8 23.6

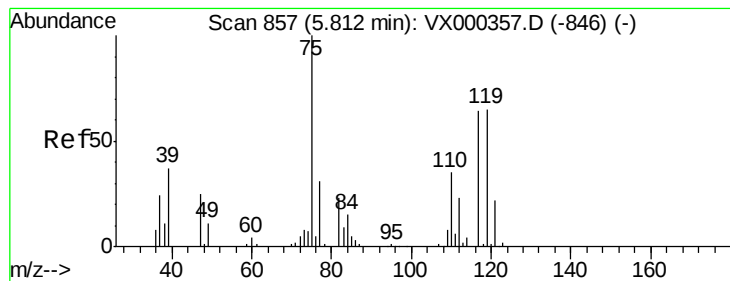


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.73 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-D

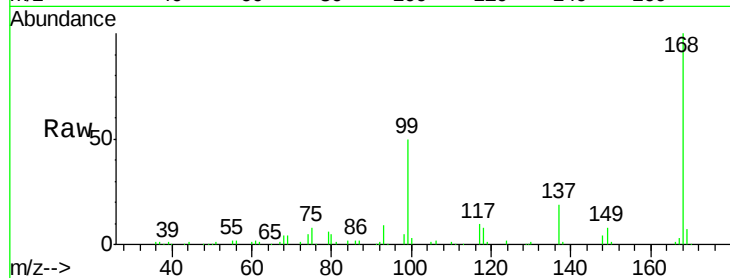
Tgt Ion: 75 Resp: 9893

Ion Ratio Lower Upper

75 100

110 11.2 17.9 53.7#

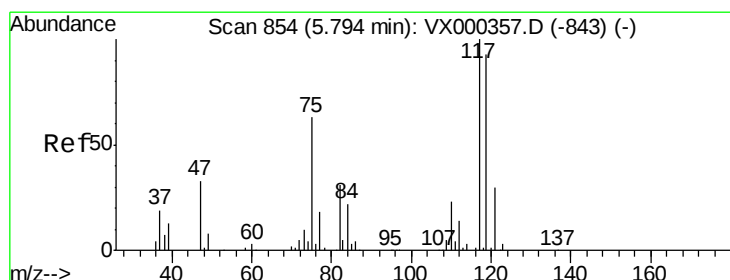
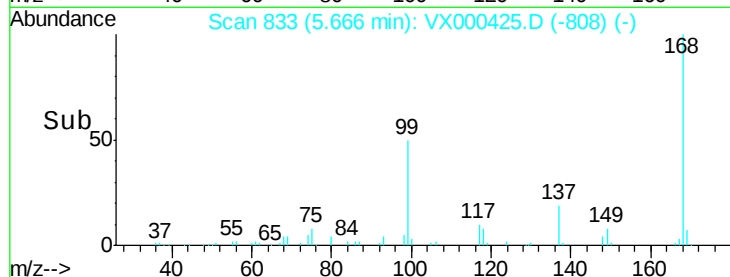
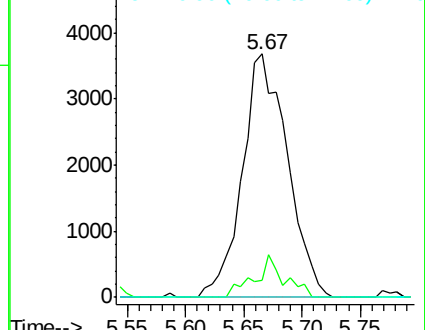
77 0.0 24.0 36.0#



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: 5.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

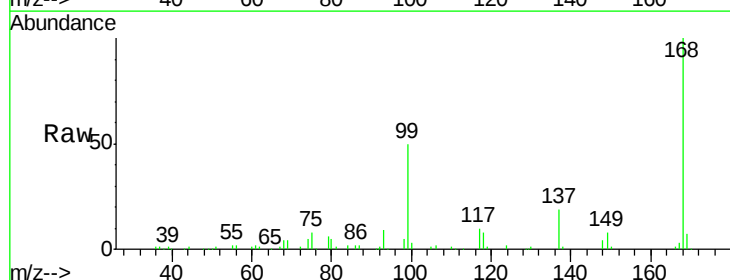
Tgt Ion: 117 Resp: 12301

Ion Ratio Lower Upper

117 100

119 7.1 77.4 116.2#

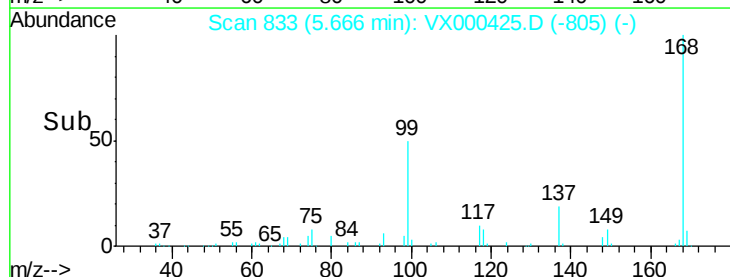
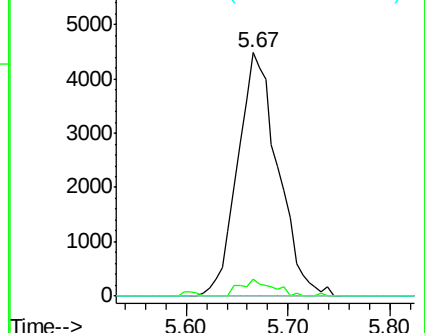
121 0.0 24.8 37.2#

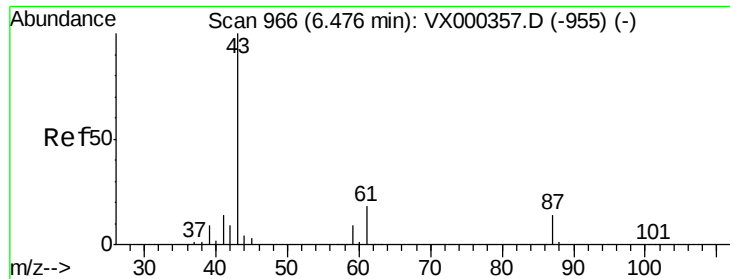


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.40 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-D

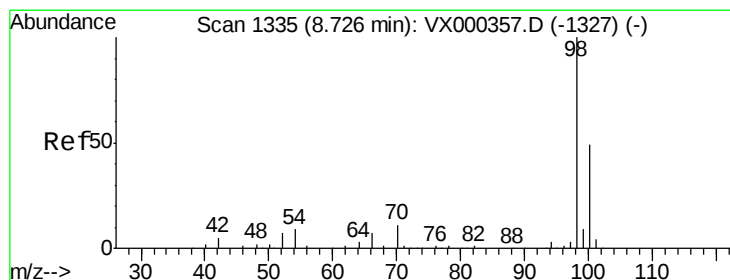
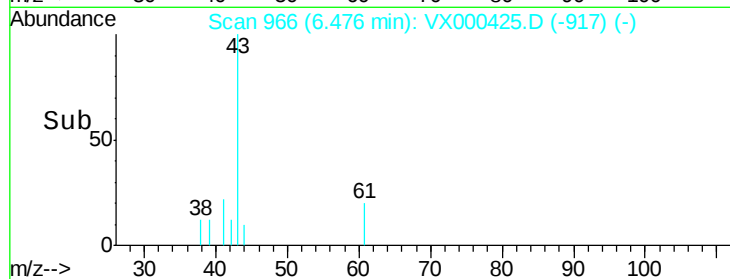
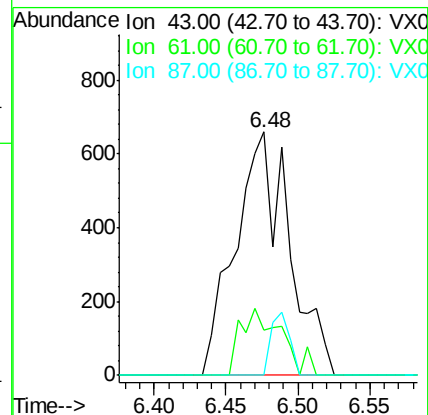
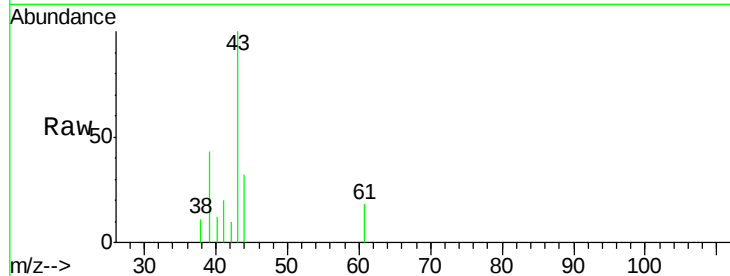
Tgt Ion: 43 Resp: 1711

Ion Ratio Lower Upper

43 100

61 21.1 14.4 21.6

87 8.8 11.0 16.4#



#50

Toluene-d8

Concen: 47.76 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000425.D

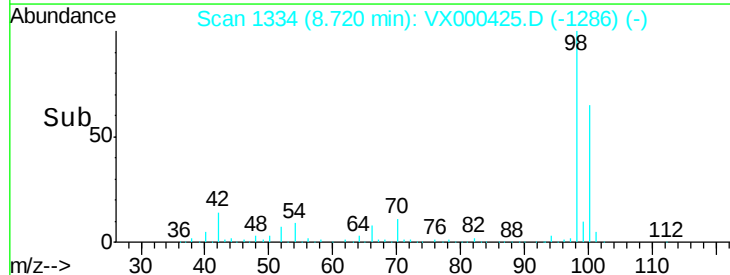
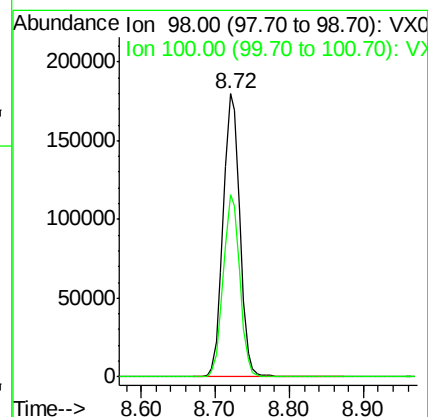
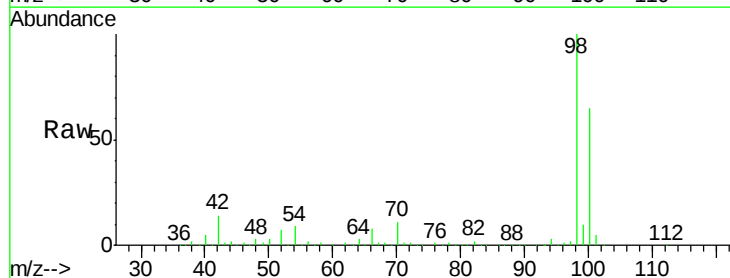
Acq: 23 Mar 2018 13:28

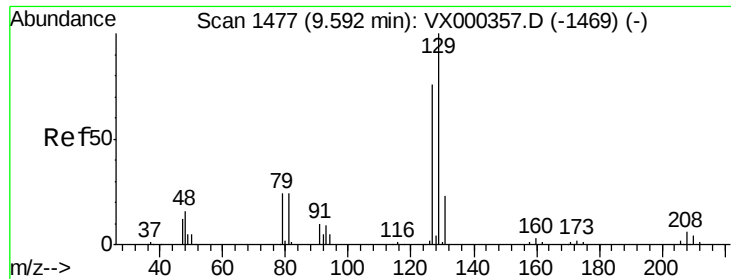
Tgt Ion: 98 Resp: 278246

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

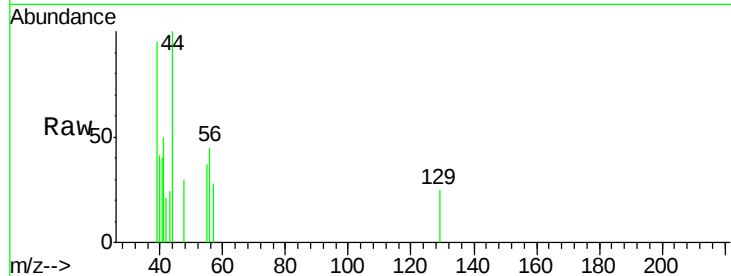
AU-05-032218-D

Tgt Ion:129 Resp: 41

Ion Ratio Lower Upper

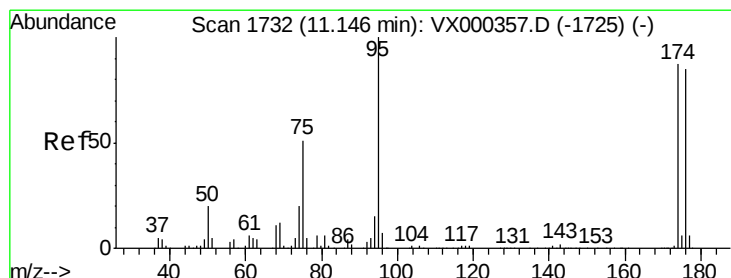
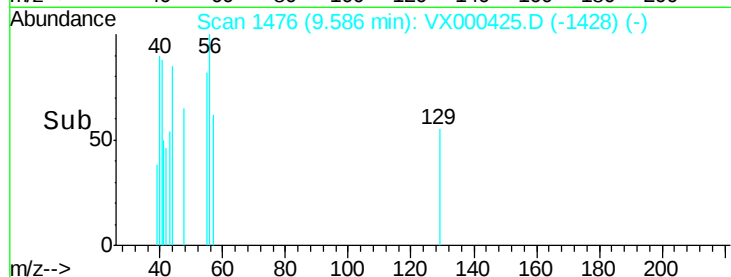
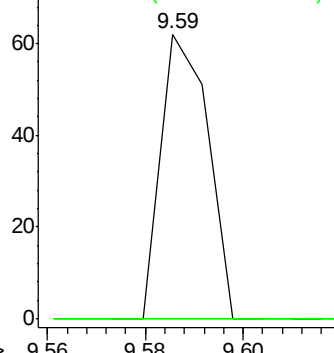
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 37.69 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

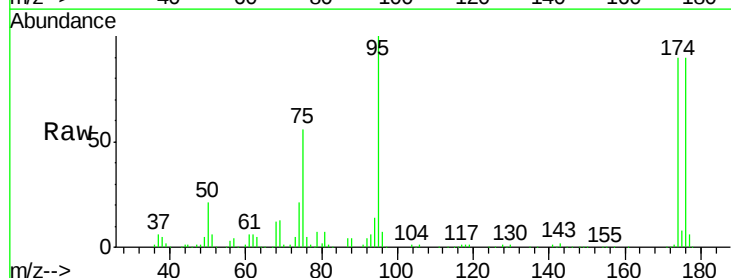
Tgt Ion: 95 Resp: 88526

Ion Ratio Lower Upper

95 100

174 90.5 0.0 173.6

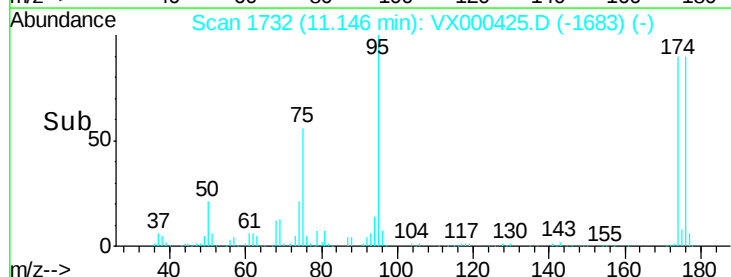
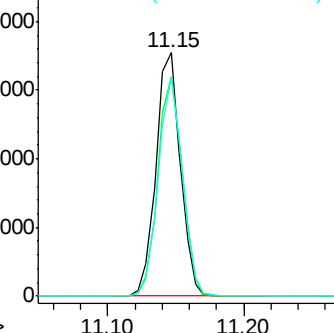
176 88.3 0.0 164.6

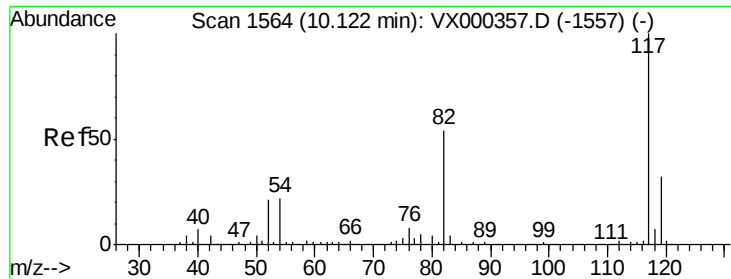


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

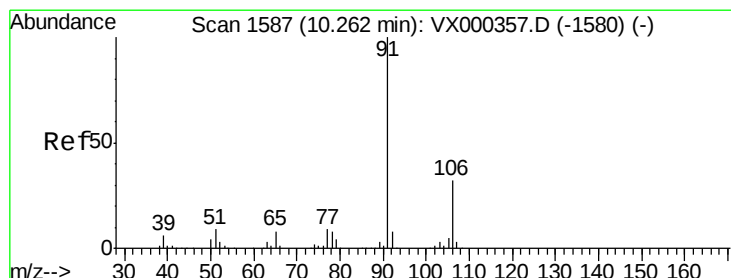
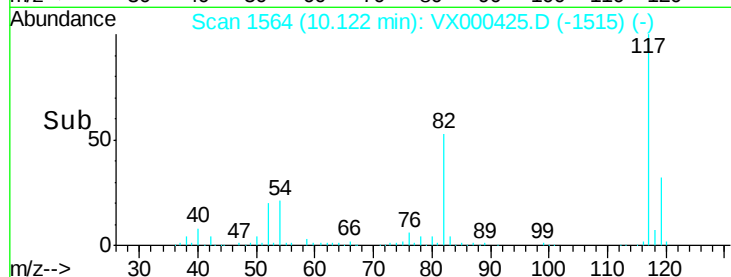
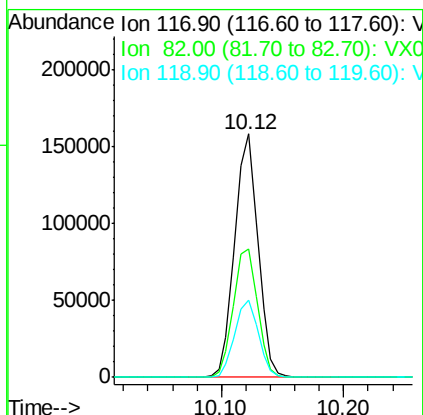
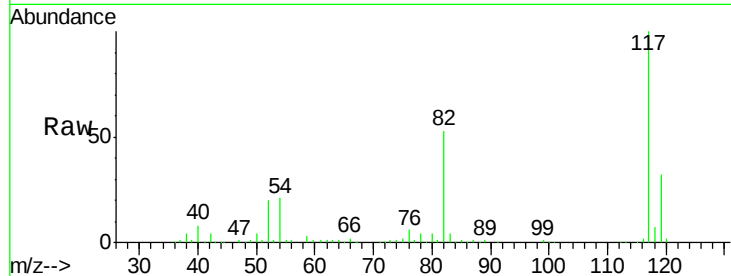




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

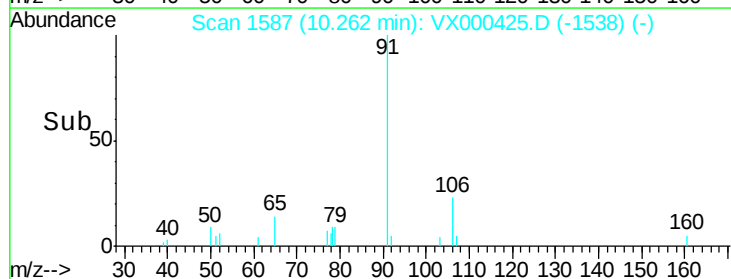
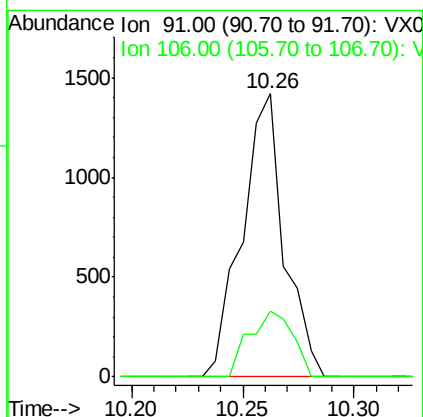
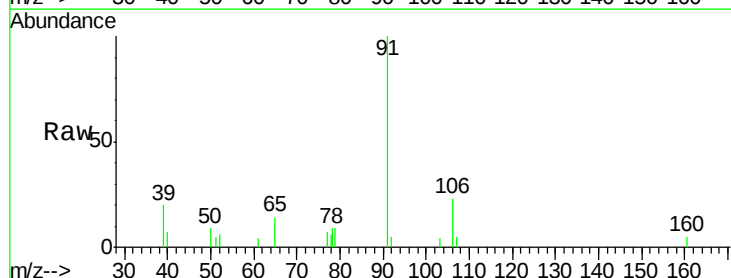
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-D

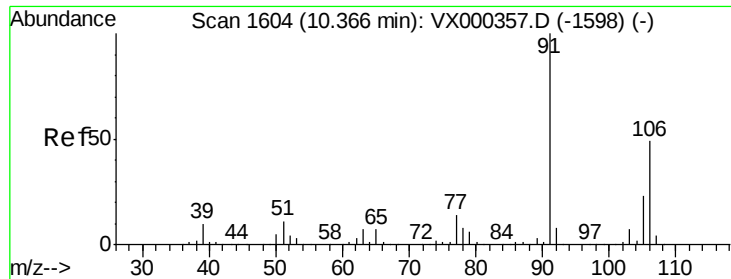
Tgt Ion:117 Resp: 207872
Ion Ratio Lower Upper
117 100
82 52.5 43.8 65.8
119 31.8 24.9 37.3



#67
Ethyl Benzene
Concen: 0.24 ug/l
RT: 10.26 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

Tgt Ion: 91 Resp: 1871
Ion Ratio Lower Upper
91 100
106 23.3 25.0 37.6#

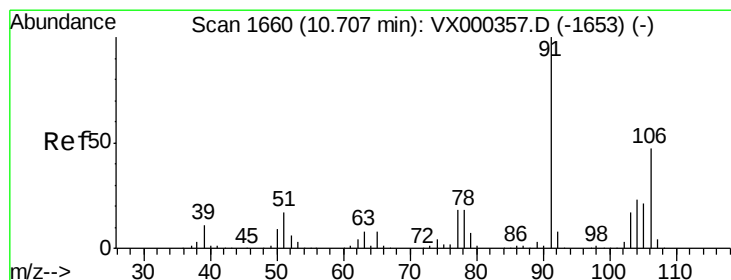
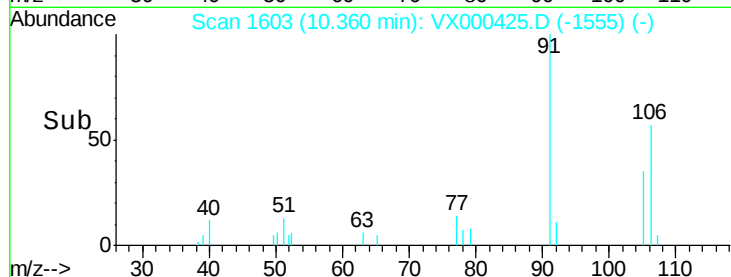
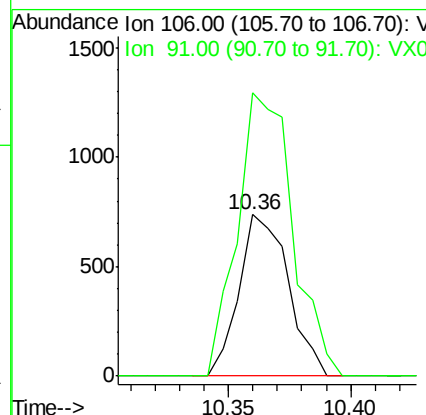
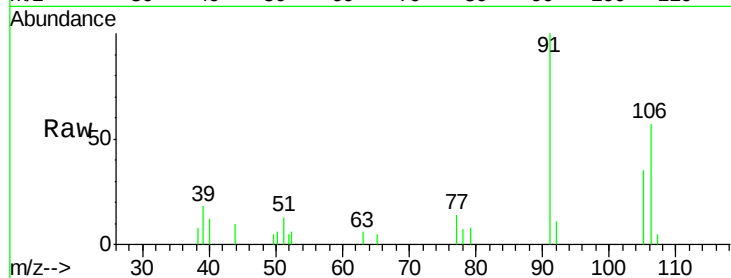




#68
m/p-Xylenes
Concen: 0.33 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

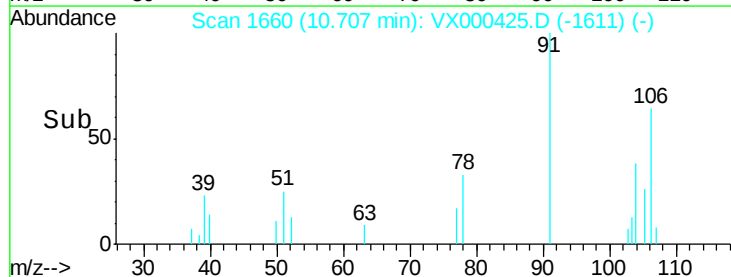
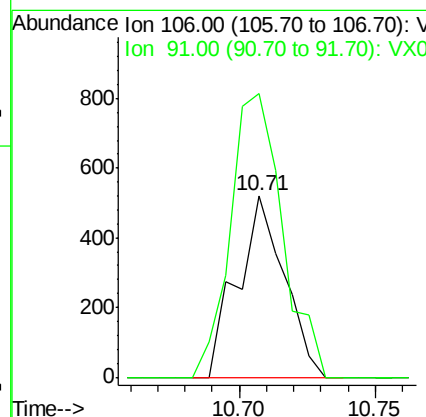
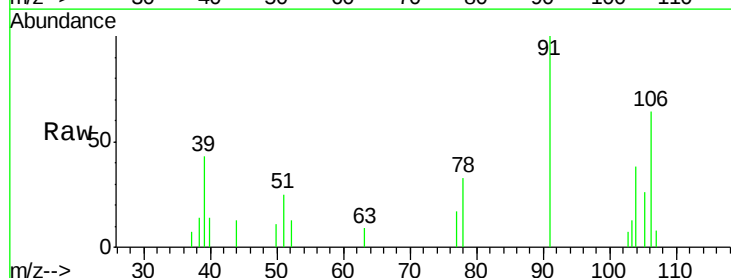
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-D

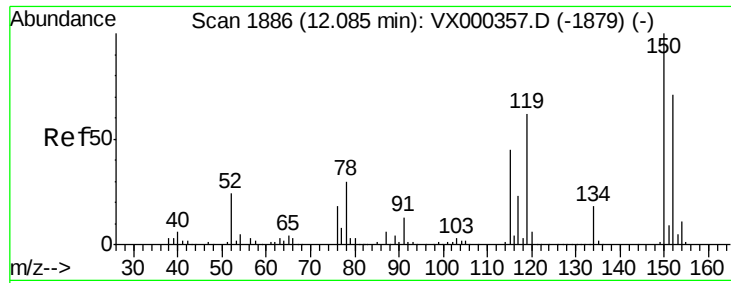
Tgt Ion:106 Resp: 1029
Ion Ratio Lower Upper
106 100
91 197.5 163.4 245.2



#69
o-Xylene
Concen: 0.21 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000425.D
Acq: 23 Mar 2018 13:28

Tgt Ion:106 Resp: 622
Ion Ratio Lower Upper
106 100
91 173.2 106.5 319.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-D

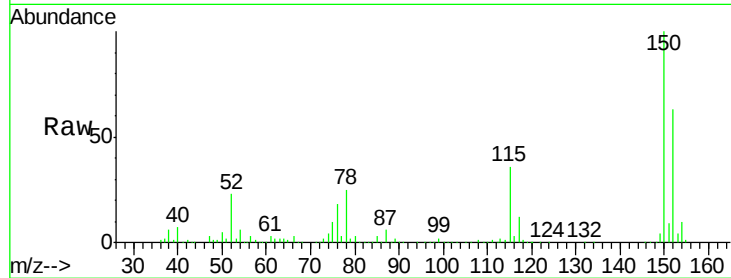
Tgt Ion:152 Resp: 96553

Ion Ratio Lower Upper

152 100

115 55.4 39.8 119.3

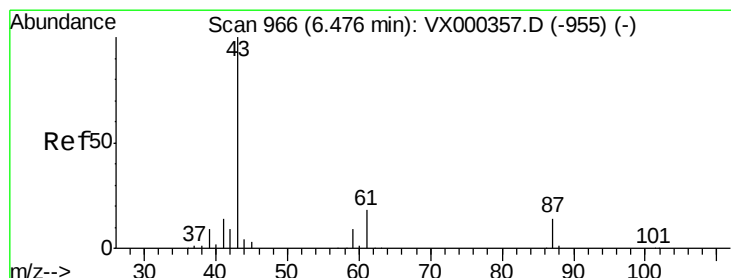
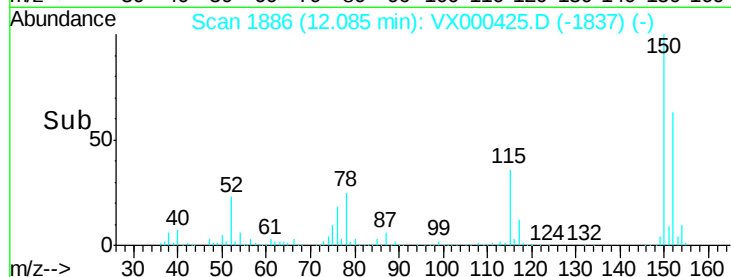
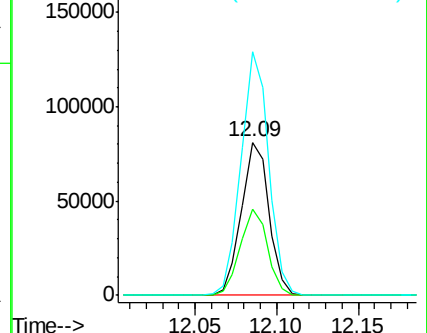
150 157.8 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000425.D

Acq: 23 Mar 2018 13:28

Tgt Ion: 43 Resp: 1711

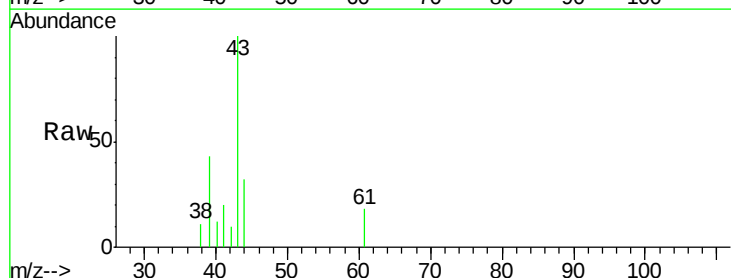
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.1 14.4 21.6

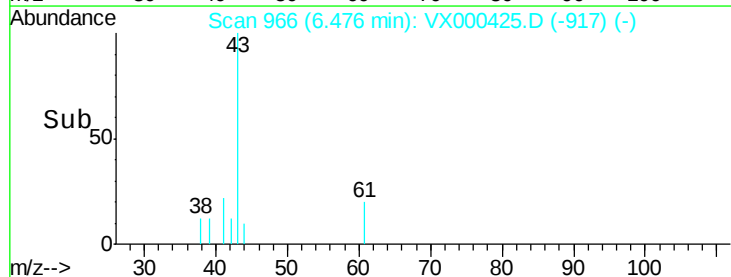
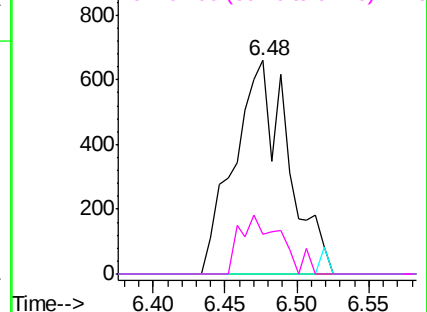


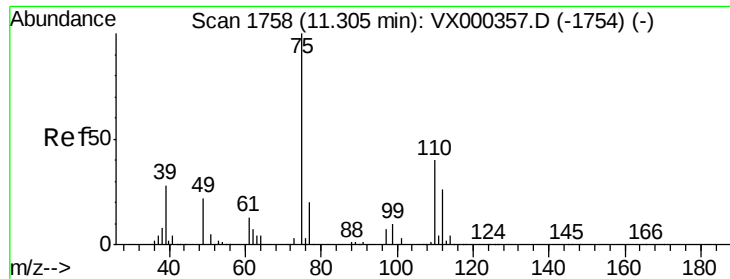
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

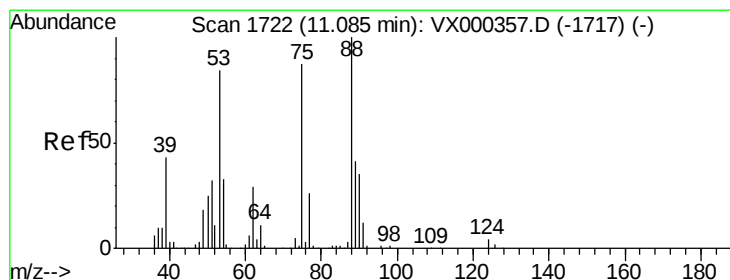
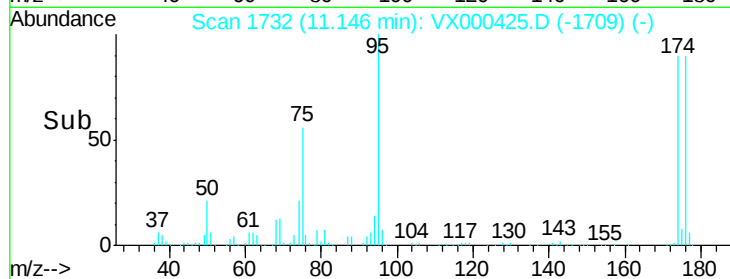
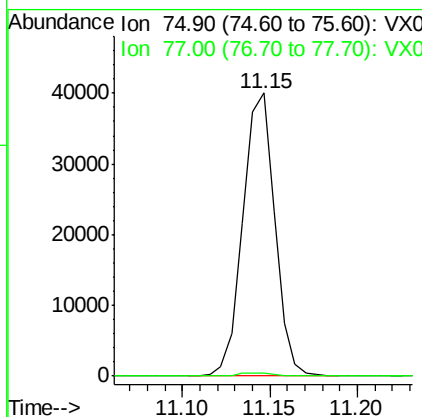
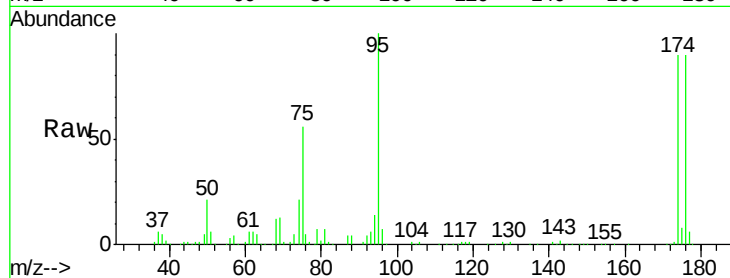




#76
 1,2,3-Trichloropropane
 Concen: 24.59 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

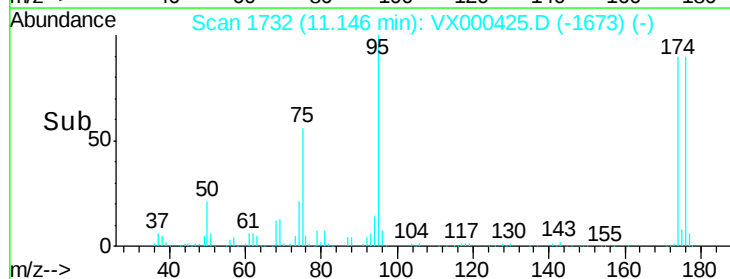
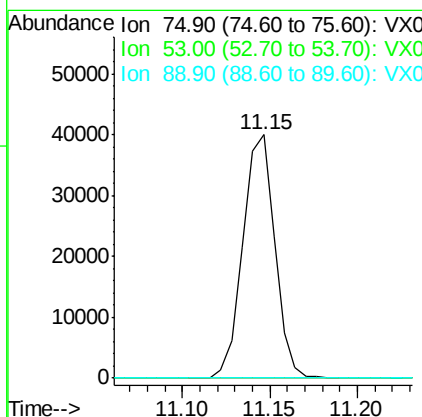
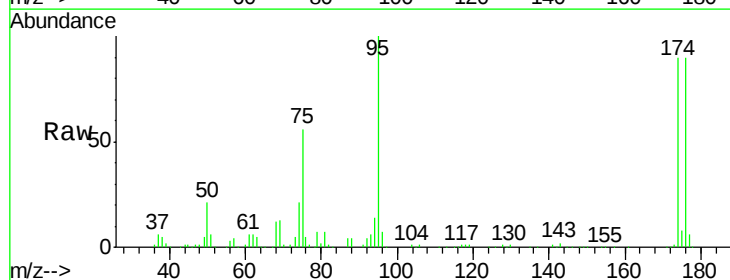
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-032218-D

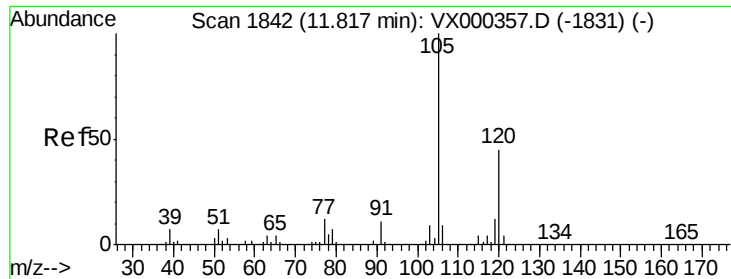
Tgt Ion: 75 Resp: 51021
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.61 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

Tgt Ion: 75 Resp: 51021
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#

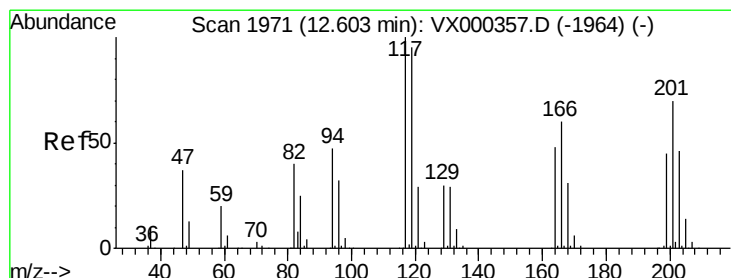
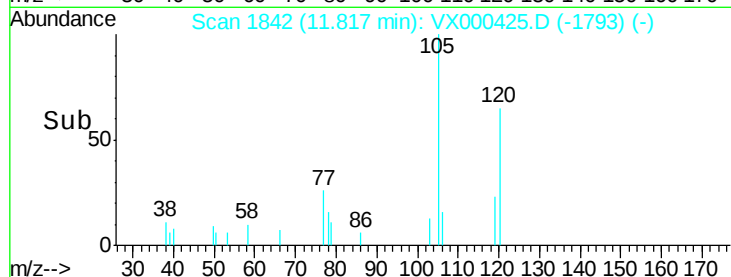
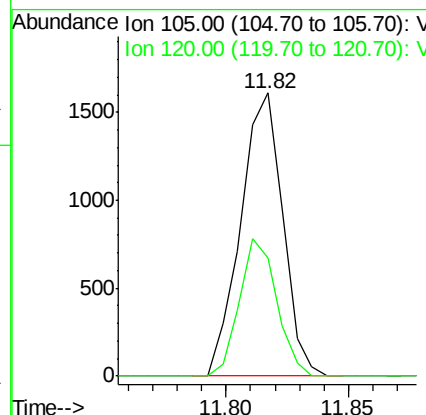
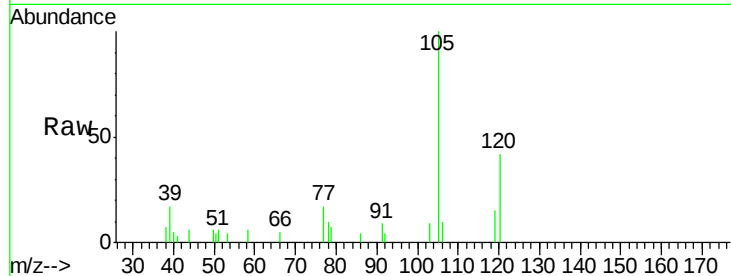




#84
 1,2,4-Trimethylbenzene
 Concen: 0.34 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

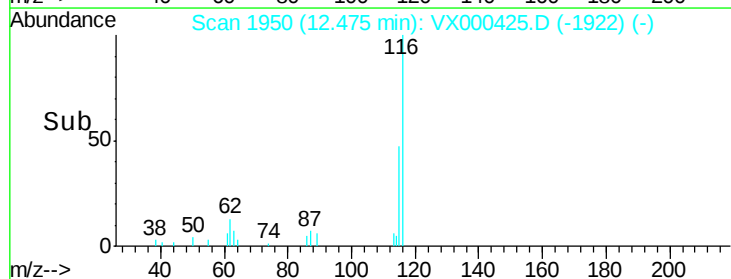
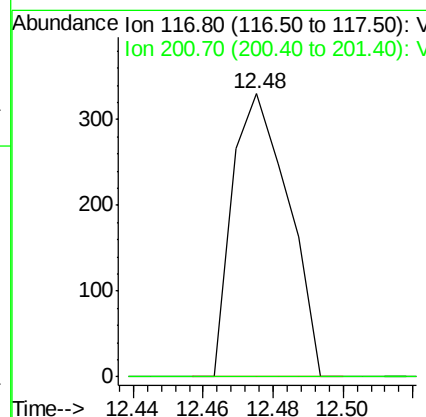
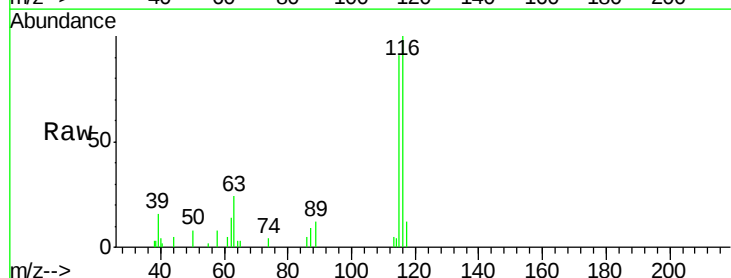
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-032218-D

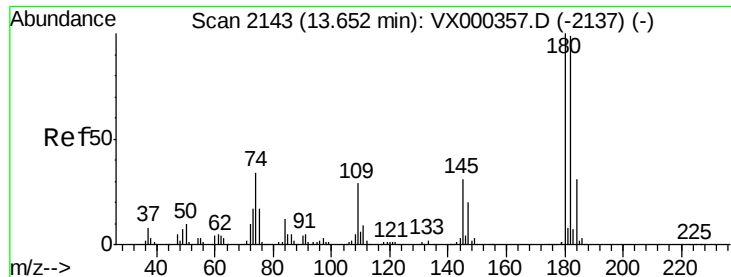
Tgt Ion:105 Resp: 1927
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.4 67.3



#90
 Hexachloroethane
 Concen: 0.39 ug/l
 RT: 12.48 min Scan# 1950
 Delta R.T. -0.13 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

Tgt Ion:117 Resp: 368
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.9 113.6#

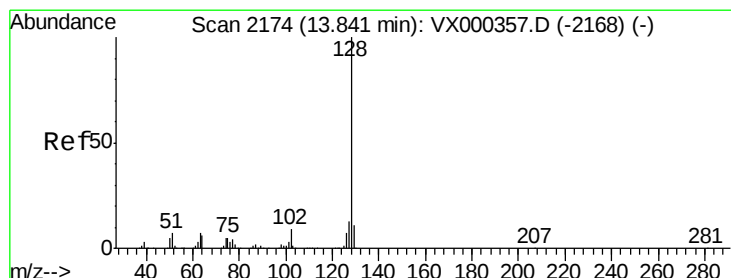
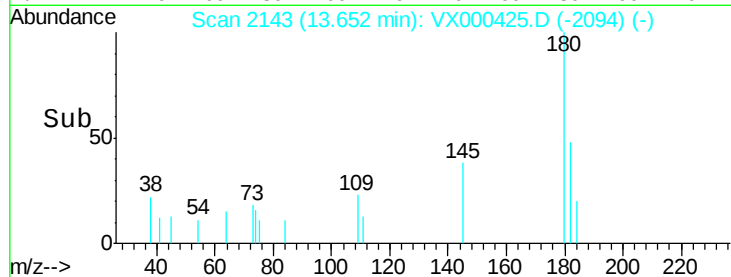
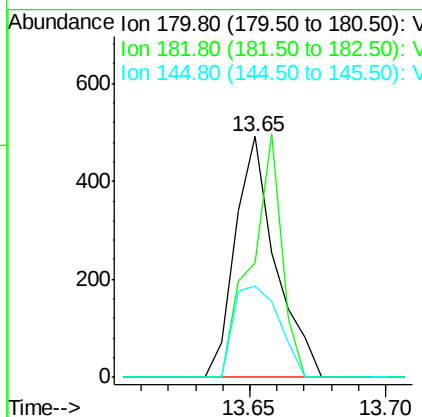
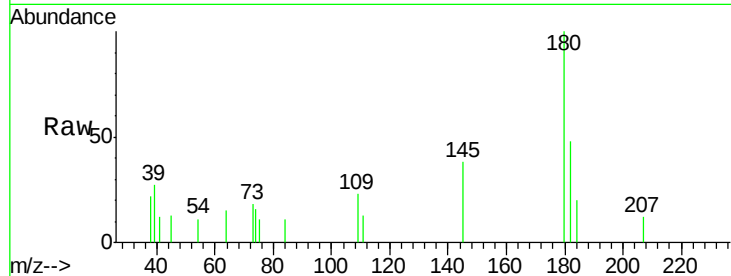




#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-032218-D

Tgt Ion:180 Resp: 504
 Ion Ratio Lower Upper
 180 100
 182 76.0 47.6 142.9
 145 42.9 15.1 45.3



#95
 Naphthalene
 Concen: 9.14 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000425.D
 Acq: 23 Mar 2018 13:28

Tgt Ion:128 Resp: 72142
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 15.8
 129 11.3 8.9 13.3

