

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001401.D
 Acq On : 04 May 2018 17:11
 Operator : JC/MD
 Sample : J2707-10
 Misc : 5.31g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-14(6-6.5)

Quant Time: May 05 05:43:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	154327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	208168	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	98086	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	107018	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	5.51	113	88112	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.72	98	309521	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.15	95	97579	38.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.16%	

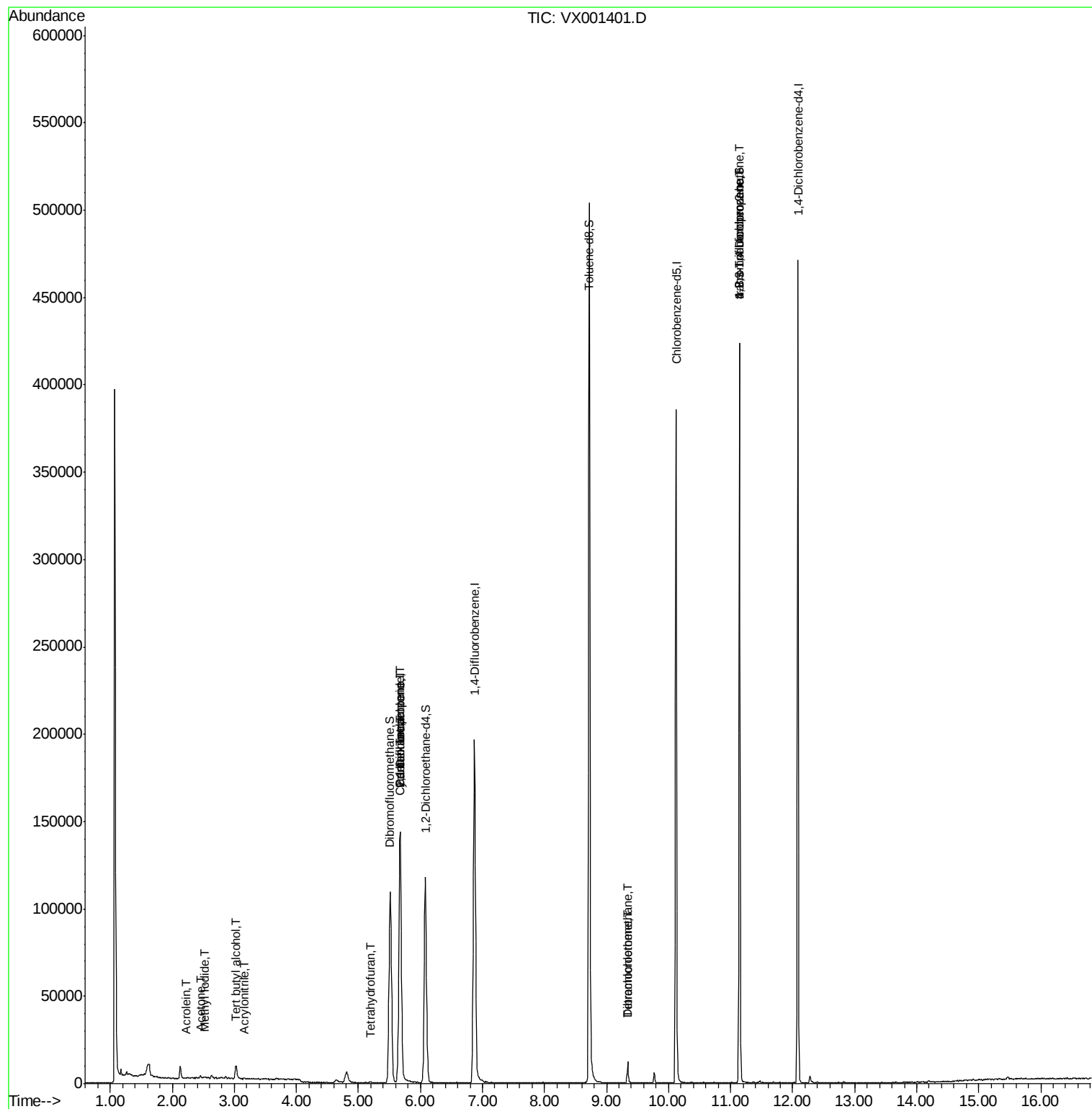
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	481	Below Cal	#	61
10) Methyl Iodide	2.52	142	971	4.80	ug/l #	92
11) Tert butyl alcohol	3.03	59	4370	11.89	ug/l #	76
13) Acrolein	2.23	56	52	0.25	ug/l #	1
15) Acrylonitrile	3.16	53	207	0.24	ug/l #	64
16) Acetone	2.45	43	1192	1.31	ug/l	98
20) Methylene Chloride	2.86	84	251	Below Cal	#	77
29) Tetrahydrofuran	5.20	42	399	0.53	ug/l #	33
31) Cyclohexane	5.66	56	2926	1.11	ug/l #	15
36) 1,1-Dichloropropene	5.67	75	9552	3.98	ug/l #	51
38) Carbon Tetrachloride	5.67	117	12681	5.04	ug/l #	19
60) Dibromochloromethane	9.34	129	2130	1.12	ug/l #	10
64) Tetrachloroethene	9.34	164	2439	1.13	ug/l	97
76) 1,2,3-Trichloropropane	11.15	75	49516	27.30	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	49516	85.49	ug/l #	6

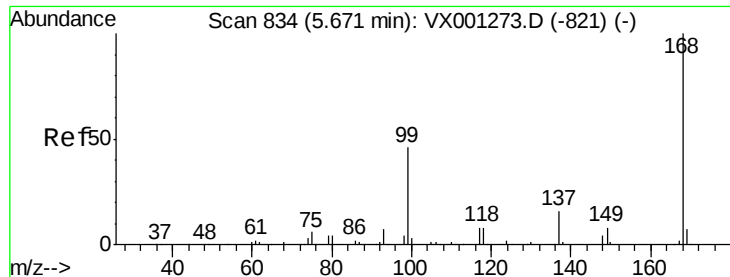
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 02 01:48:25 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: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

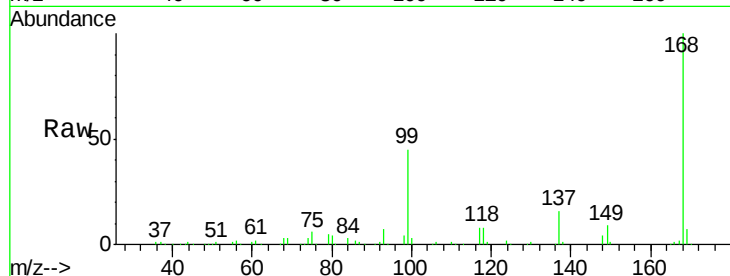
SB-14(6-6.5)

Tgt Ion:168 Resp: 154327

Ion Ratio Lower Upper

168 100

99 44.6 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

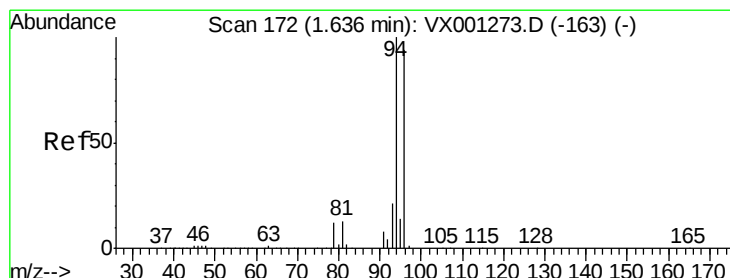
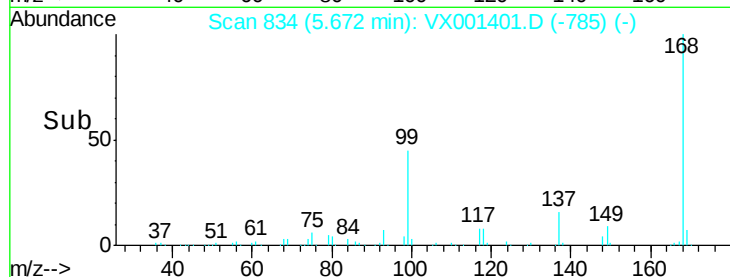
20000

10000

0

Time-->

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: VX001401.D

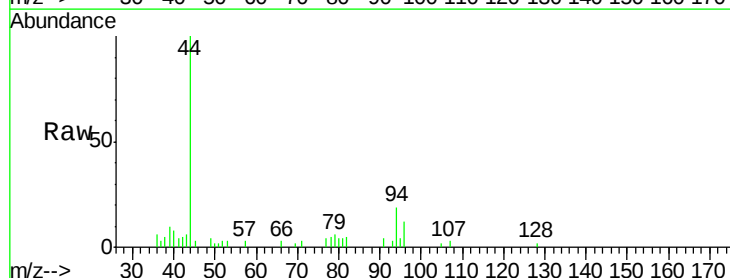
Acq: 04 May 2018 17:11

Tgt Ion: 94 Resp: 481

Ion Ratio Lower Upper

94 100

96 56.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

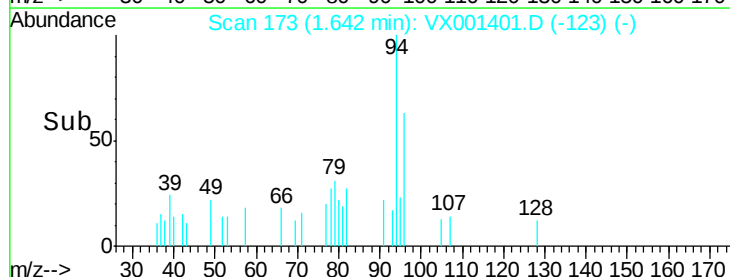
200

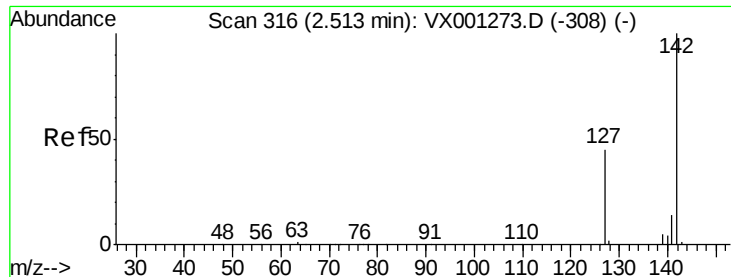
100

0

Time-->

1.60 1.62 1.64 1.66

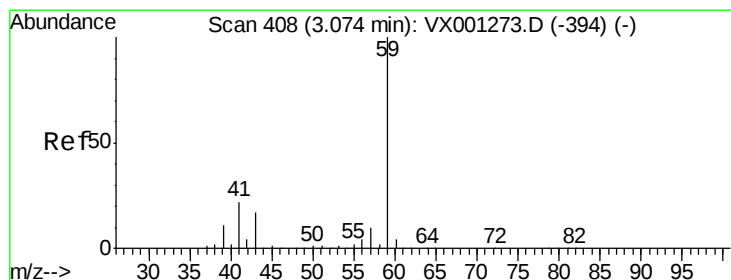
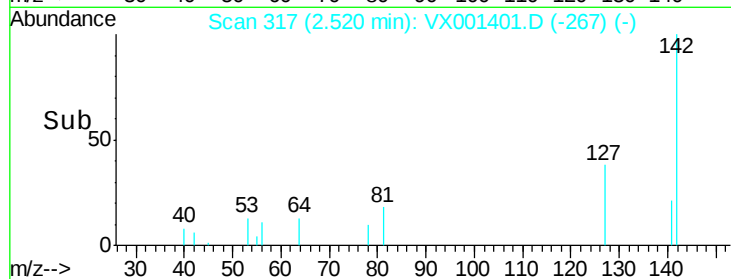
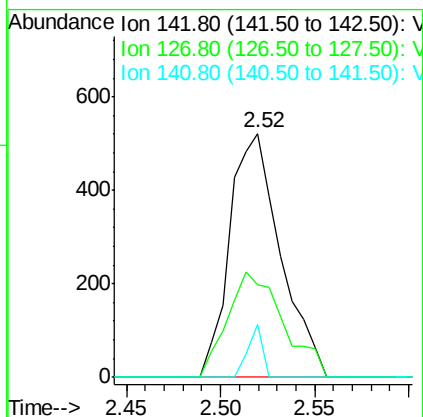
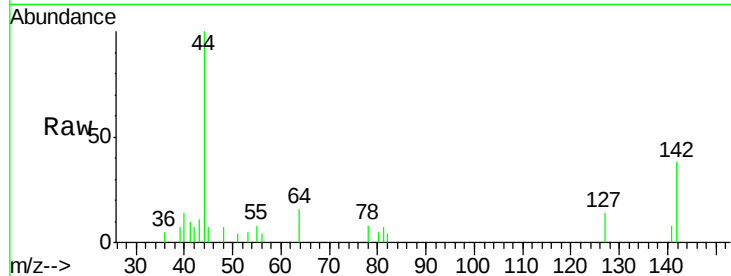




#10
Methyl Iodide
Concen: 4.80 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

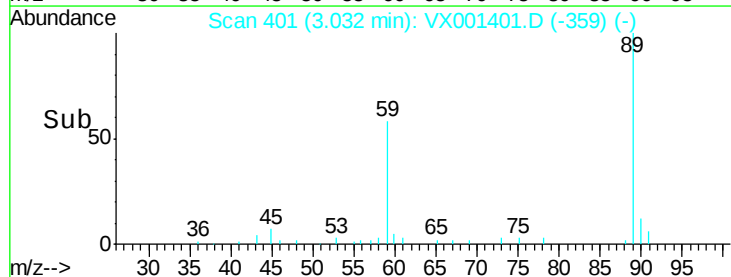
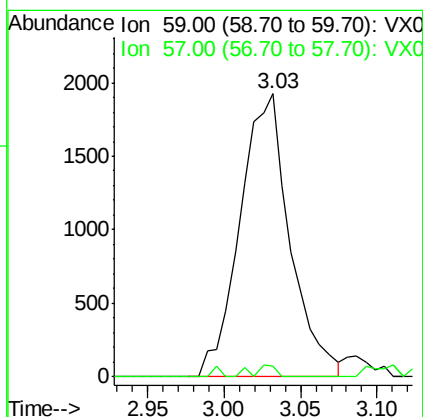
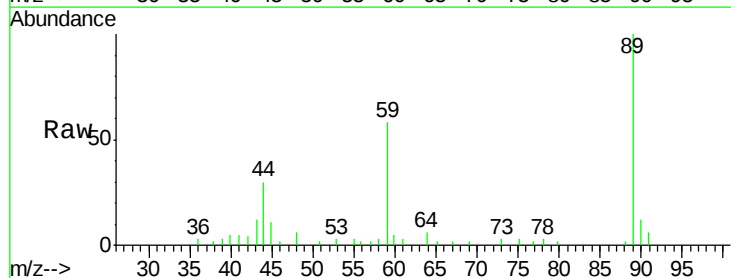
Instrument :
MSVOA_X
ClientSampled :
SB-14(6-6.5)

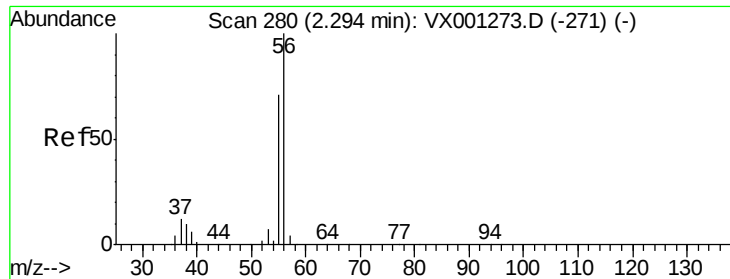
Tgt Ion:142 Resp: 971
Ion Ratio Lower Upper
142 100
127 47.3 35.7 53.5
141 6.2 11.4 17.0#



#11
Tert butyl alcohol
Concen: 11.89 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

Tgt Ion: 59 Resp: 4370
Ion Ratio Lower Upper
59 100
57 1.7 8.6 12.8#





#13

Acrolein

Concen: 0.25 ug/l

RT: 2.23 min Scan# 269

Delta R.T. -0.07 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

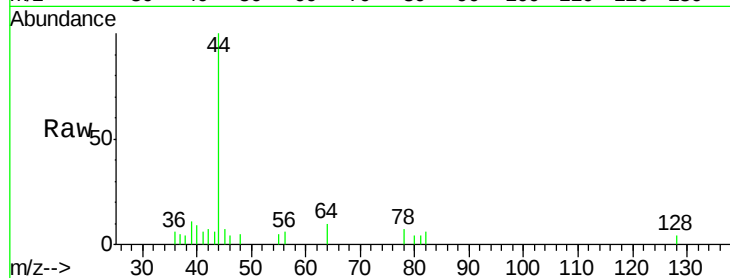
SB-14(6-6.5)

Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

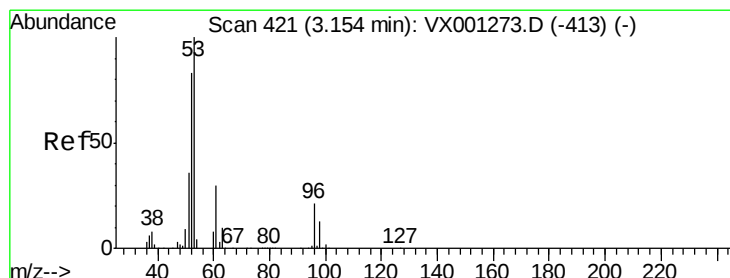
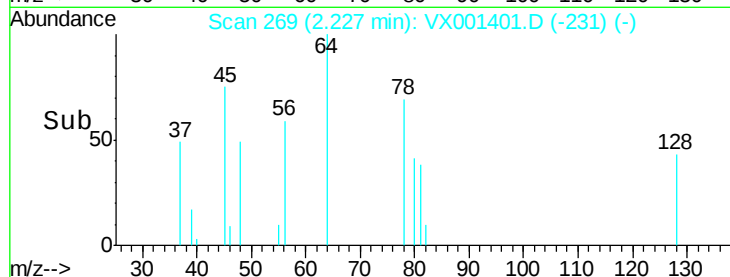
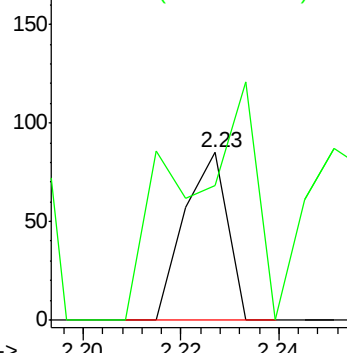
56 100

55 236.5 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.24 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

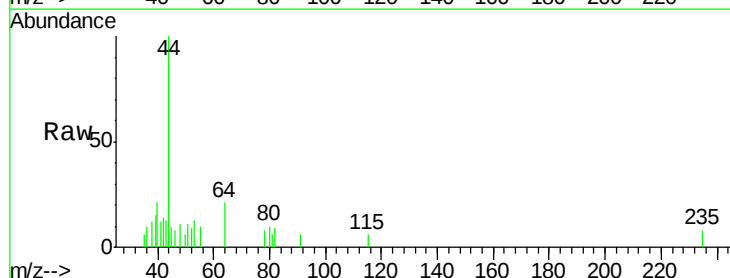
Tgt Ion: 53 Resp: 207

Ion Ratio Lower Upper

53 100

52 45.4 67.0 100.4#

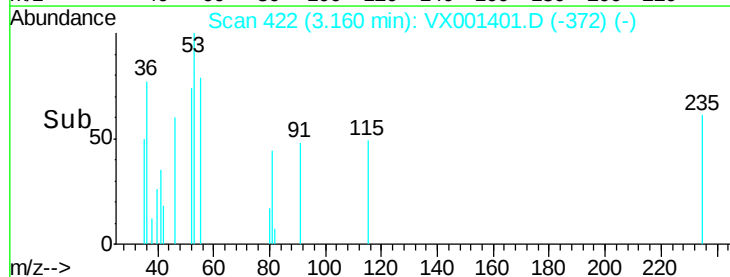
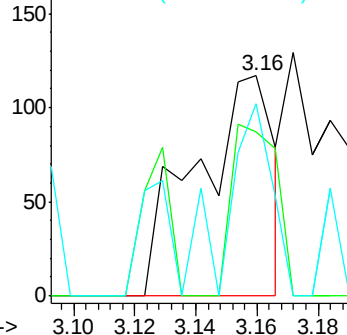
51 50.7 29.9 44.9#

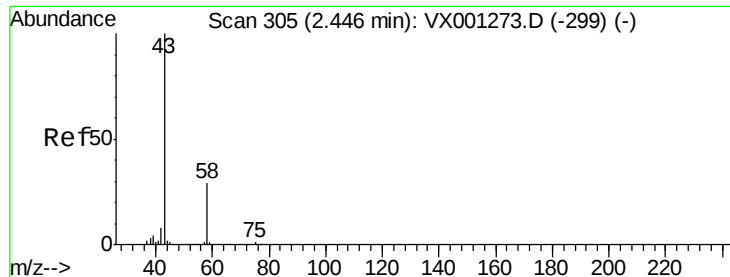


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.31 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

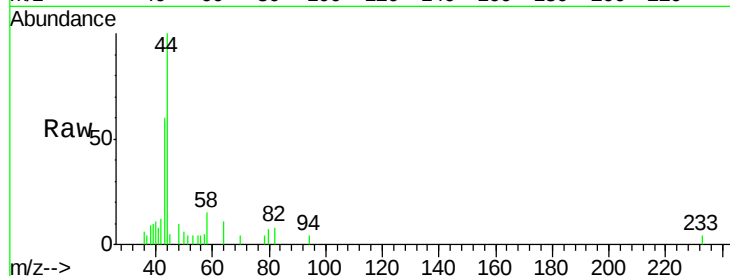
SB-14(6-6.5)

Tgt Ion: 43 Resp: 1192

Ion Ratio Lower Upper

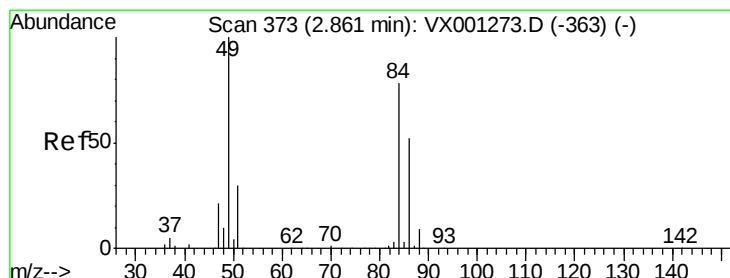
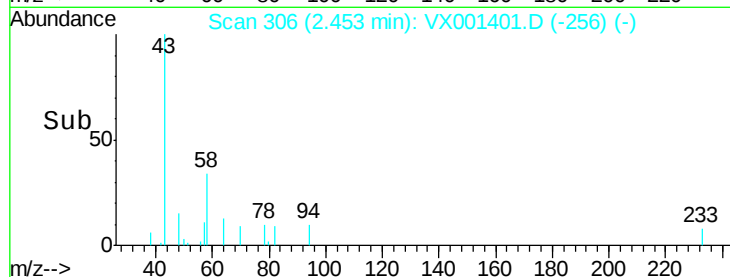
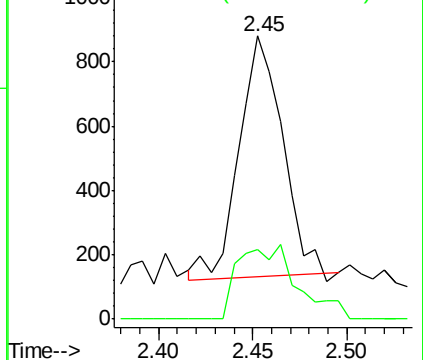
43 100

58 29.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Tgt Ion: 84 Resp: 251

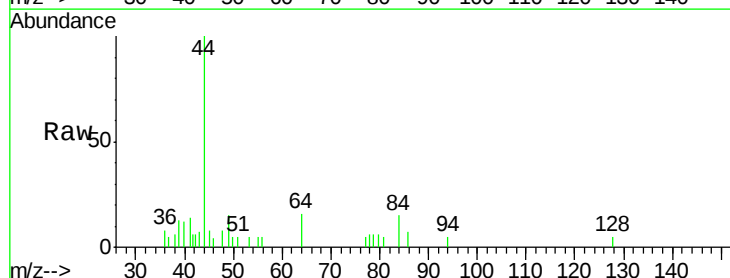
Ion Ratio Lower Upper

84 100

49 100.0 102.8 154.2#

51 33.0 30.9 46.3

86 44.7 53.0 79.4#

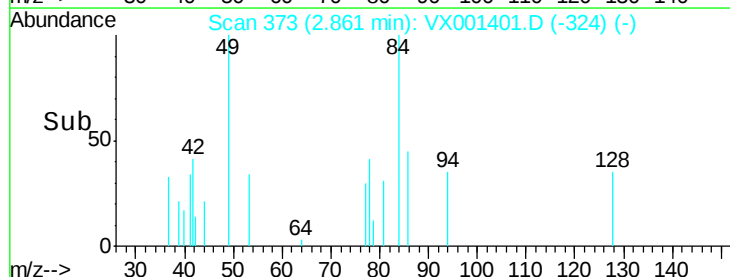
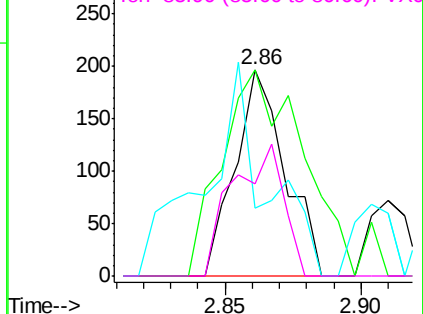


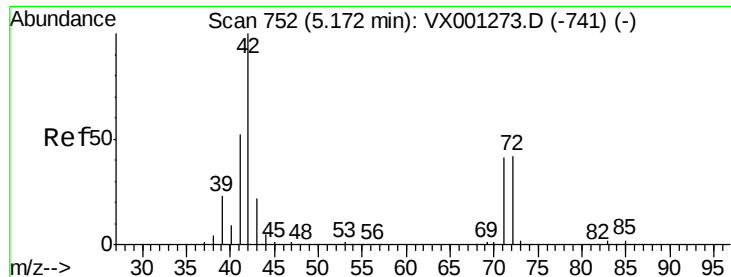
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

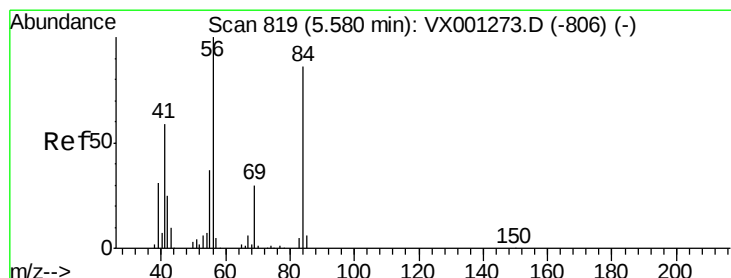
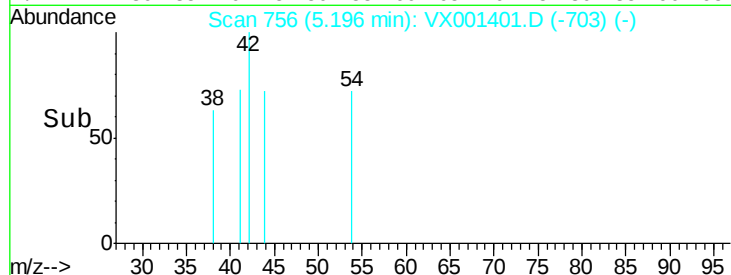
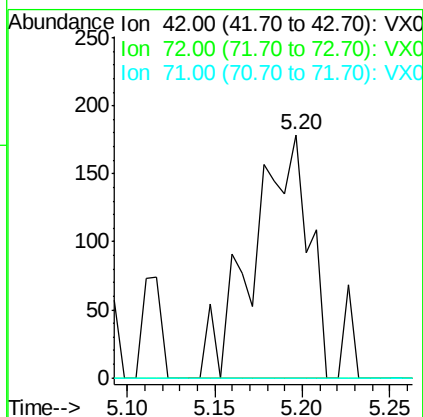
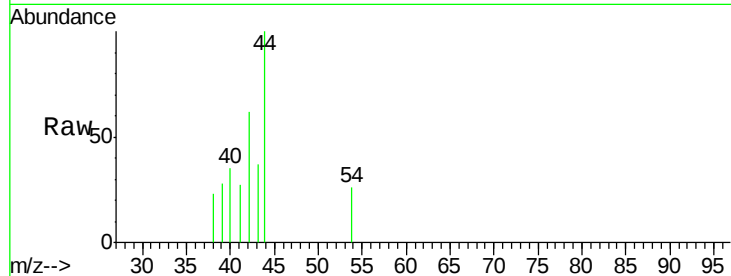




#29
Tetrahydrofuran
Concen: 0.53 ug/l
RT: 5.20 min Scan# 756
Delta R.T. 0.02 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

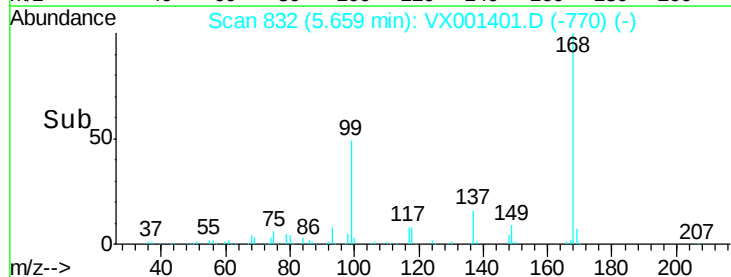
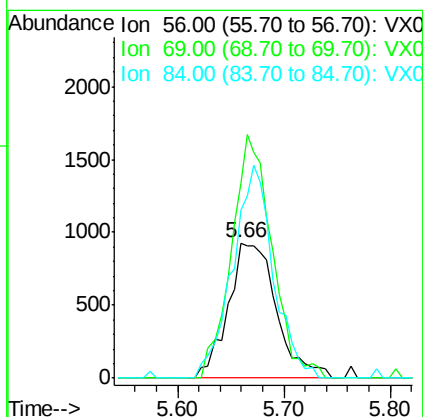
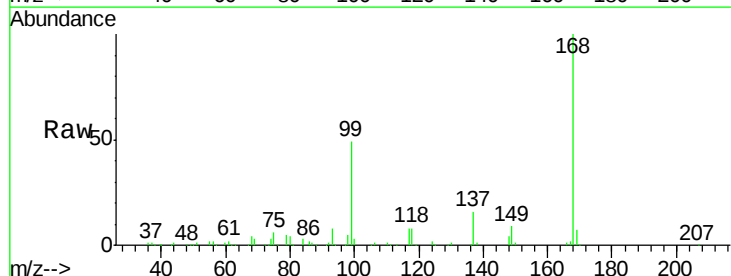
Instrument :
MSVOA_X
ClientSampleId :
SB-14(6-6.5)

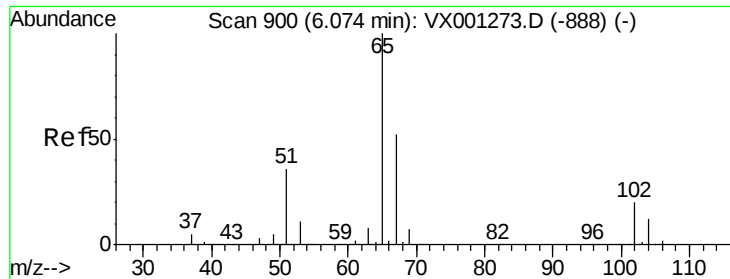
Tgt Ion: 42 Resp: 399
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 32.7 49.1#



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

Tgt Ion: 56 Resp: 2926
Ion Ratio Lower Upper
56 100
69 143.9 24.0 36.0#
84 123.9 69.0 103.4#

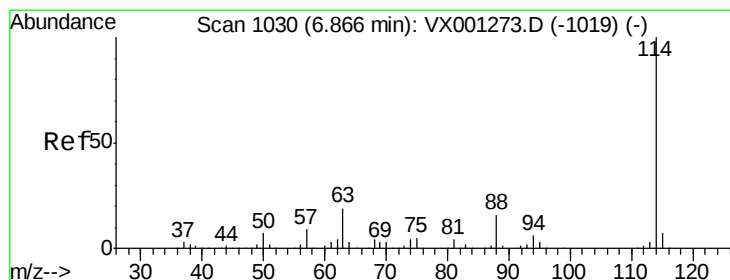
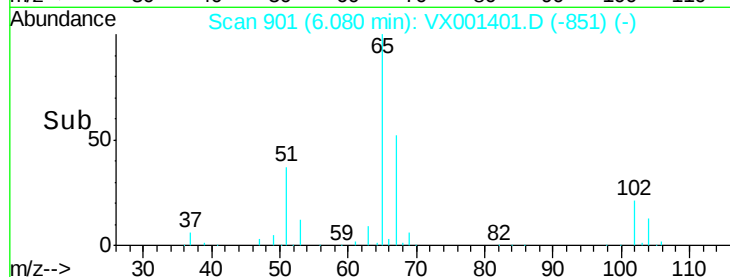
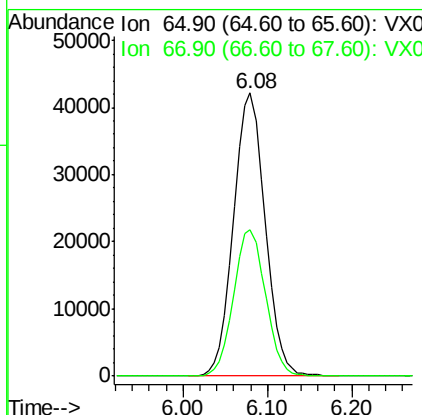
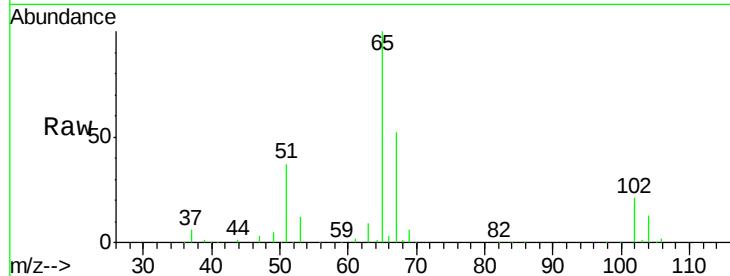




#33
 1,2-Dichloroethane-d4
 Concen: 50.10 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001401.D
 Acq: 04 May 2018 17:11

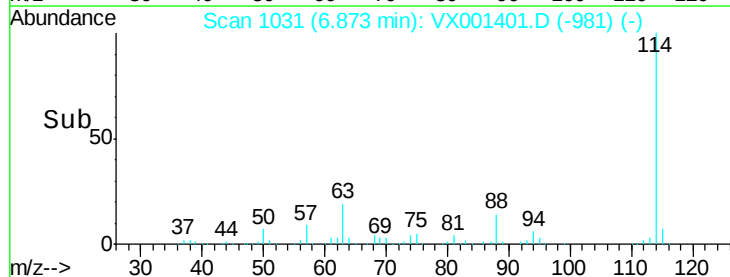
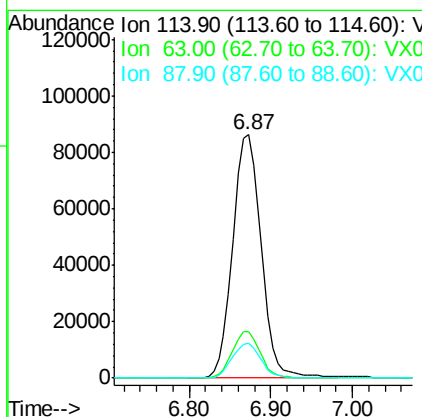
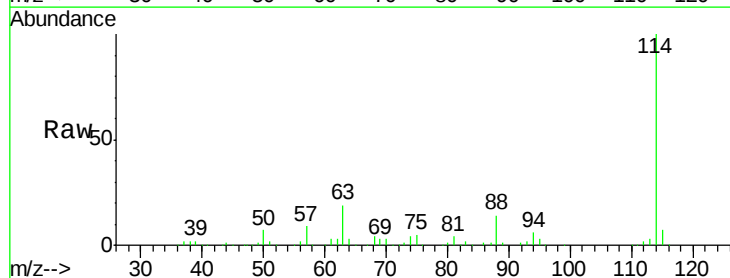
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 SB-14(6-6.5)

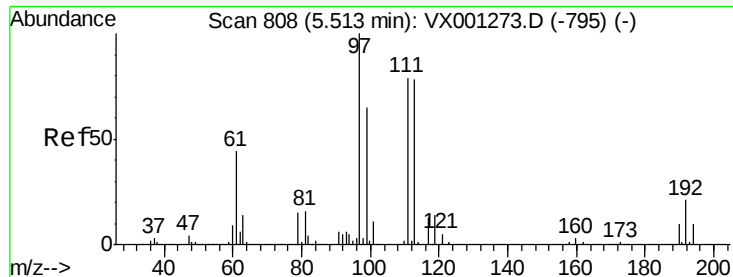
Tgt Ion: 65 Resp: 107018
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001401.D
 Acq: 04 May 2018 17:11

Tgt Ion: 114 Resp: 208168
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.8
 88 14.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 49.13 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

SB-14(6-6.5)

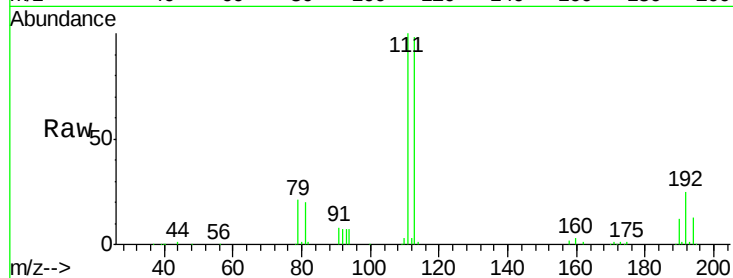
Tgt Ion:113 Resp: 88112

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

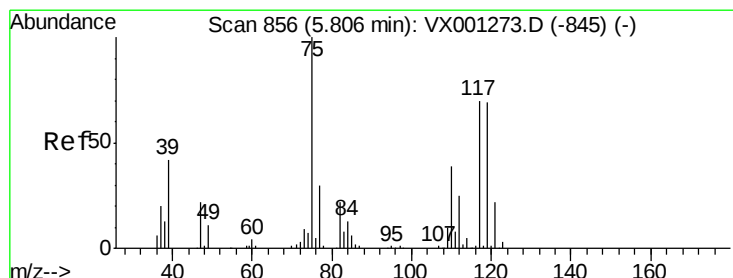
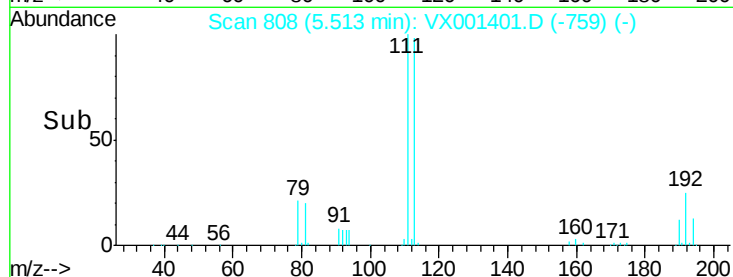
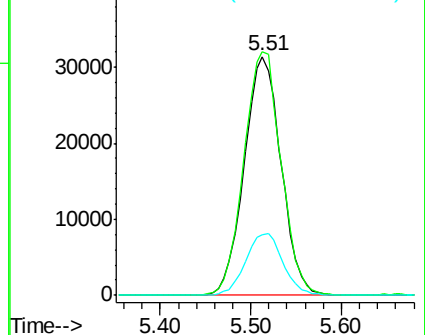
192 26.4 20.7 31.1



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: 3.98 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

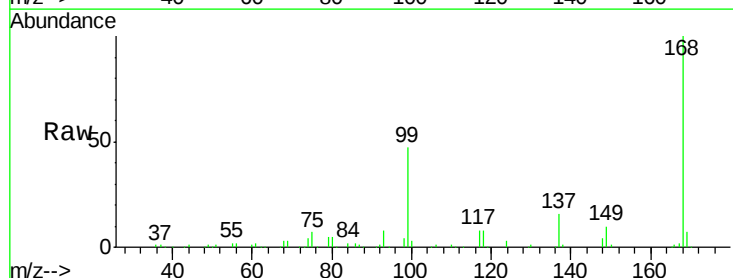
Tgt Ion: 75 Resp: 9552

Ion Ratio Lower Upper

75 100

110 11.3 18.9 56.9#

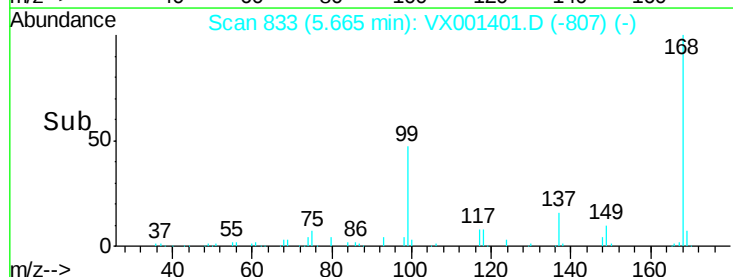
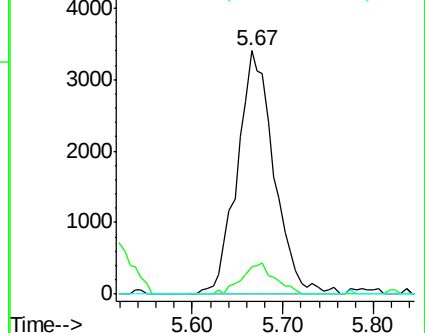
77 0.0 24.2 36.2#

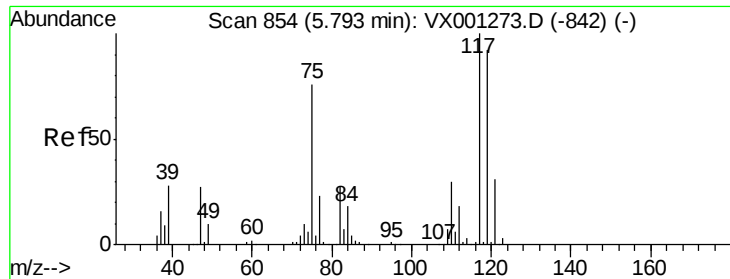


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.04 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

SB-14(6-6.5)

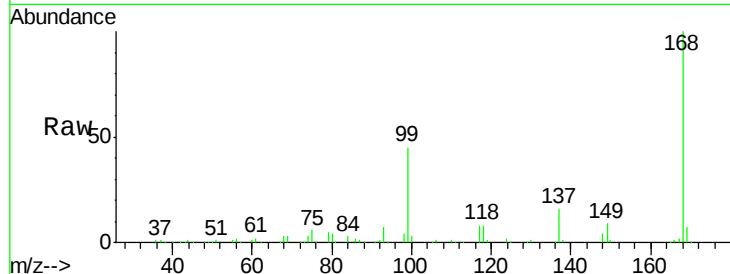
Tgt Ion:117 Resp: 12681

Ion Ratio Lower Upper

117 100

119 7.0 73.4 110.2#

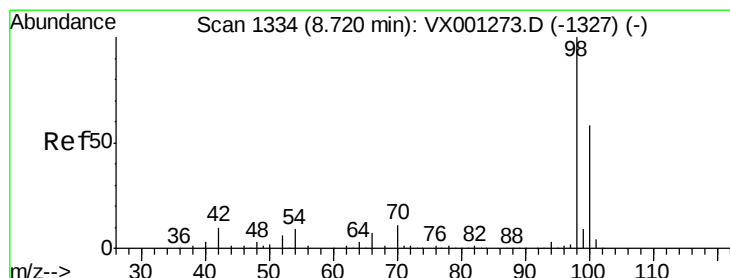
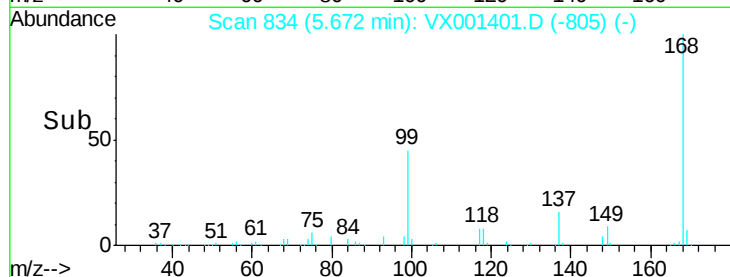
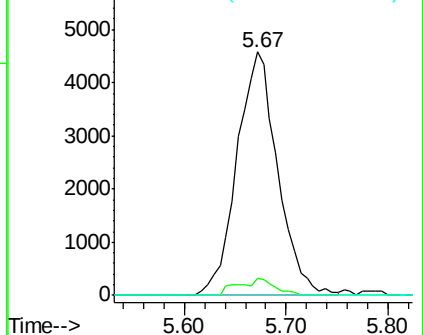
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 48.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001401.D

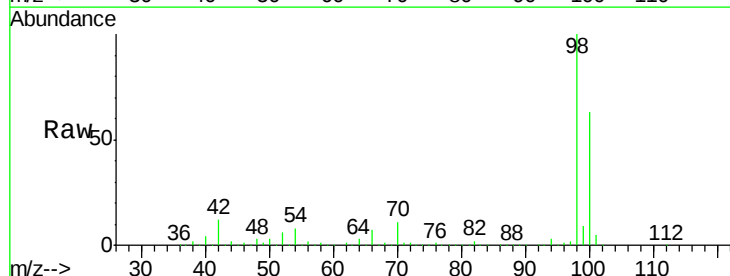
Acq: 04 May 2018 17:11

Tgt Ion: 98 Resp: 309521

Ion Ratio Lower Upper

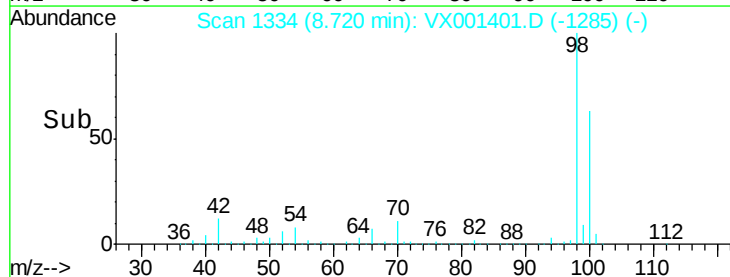
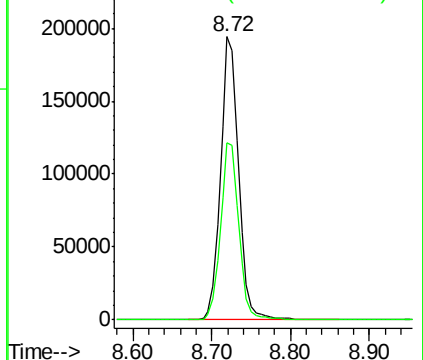
98 100

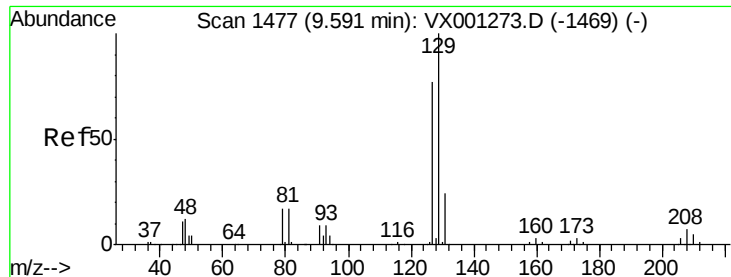
100 63.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

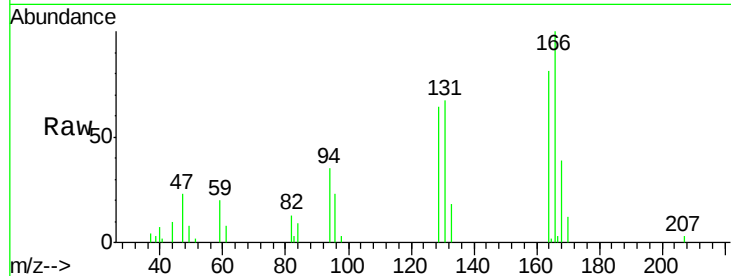




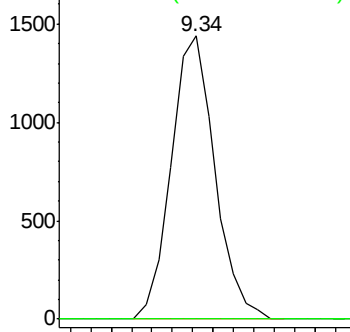
#60
 Dibromochloromethane
 Concen: 1.12 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001401.D
 Acq: 04 May 2018 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-14(6-6.5)

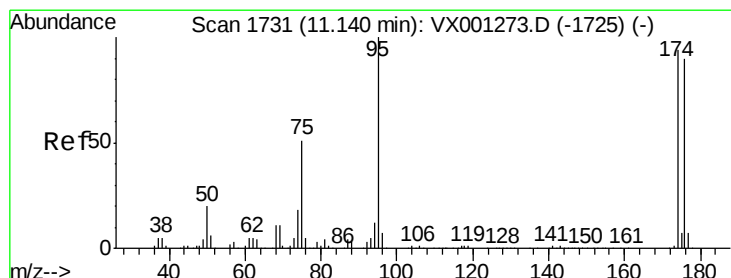
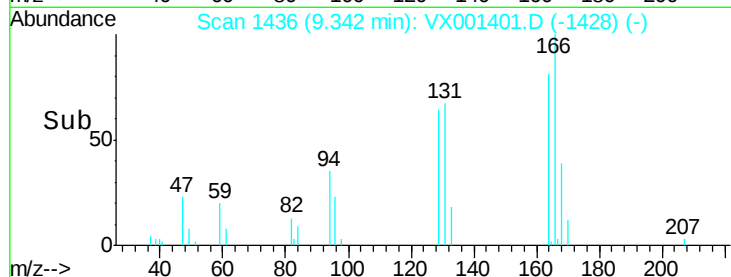
Tgt Ion:129 Resp: 2130
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

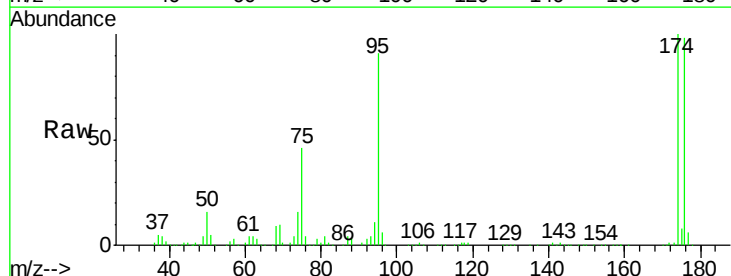


Time-->

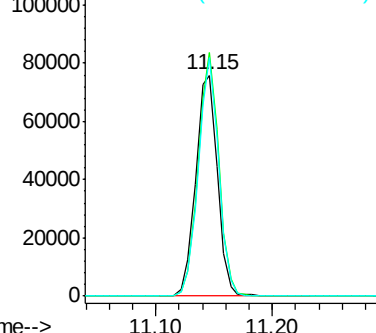


#62
 4-Bromofluorobenzene
 Concen: 38.08 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.01 min
 Lab File: VX001401.D
 Acq: 04 May 2018 17:11

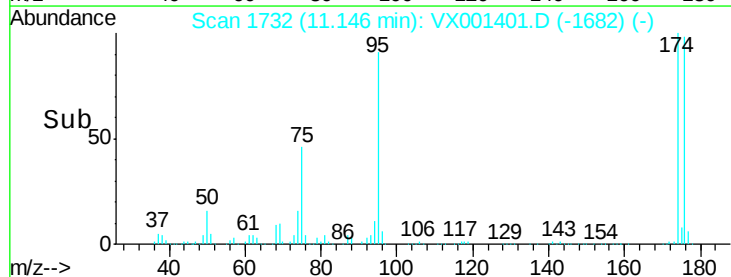
Tgt Ion: 95 Resp: 97579
 Ion Ratio Lower Upper
 95 100
 174 105.2 0.0 201.8
 176 101.4 0.0 197.2

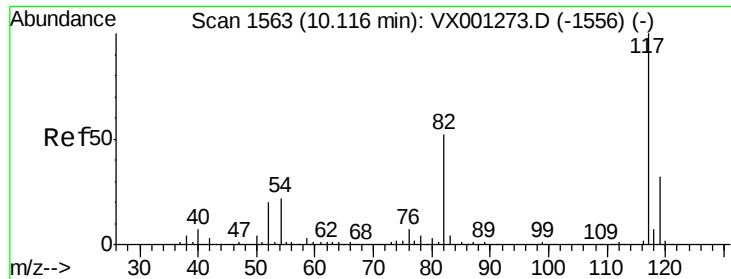


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V



Time-->

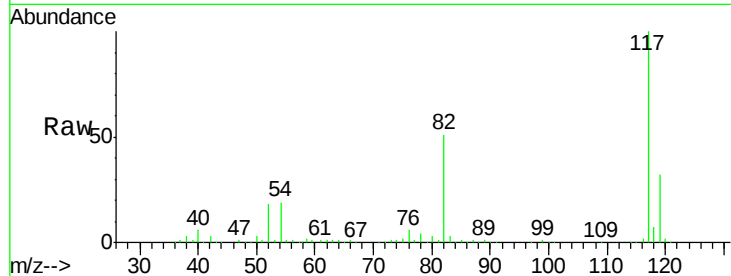




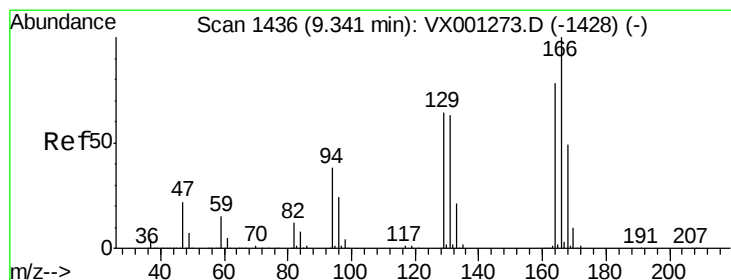
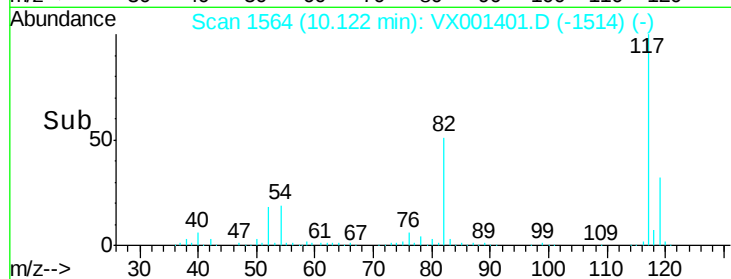
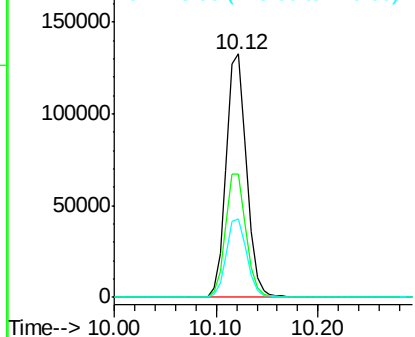
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

Instrument :
MSVOA_X
ClientSampleId :
SB-14(6-6.5)

Tgt Ion:117 Resp: 182585
Ion Ratio Lower Upper
117 100
82 50.5 41.4 62.0
119 32.3 25.5 38.3

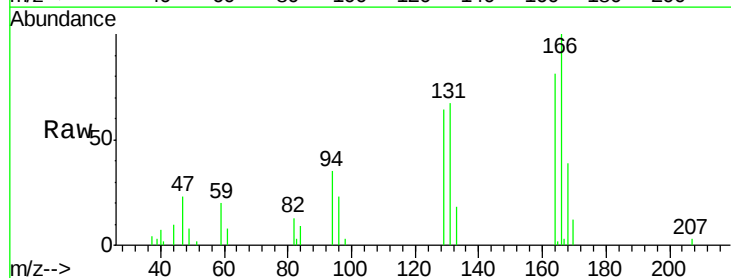


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

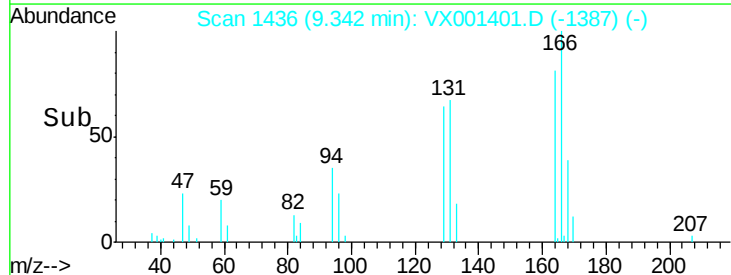
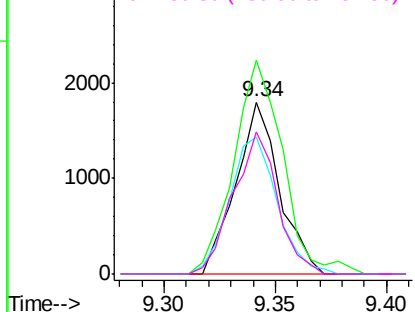


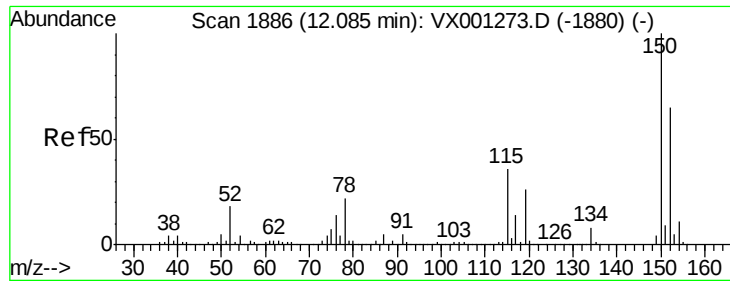
#64
Tetrachloroethene
Concen: 1.13 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001401.D
Acq: 04 May 2018 17:11

Tgt Ion:164 Resp: 2439
Ion Ratio Lower Upper
164 100
166 124.2 102.3 153.5
129 80.0 65.1 97.7
131 82.8 64.2 96.4



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: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

SB-14(6-6.5)

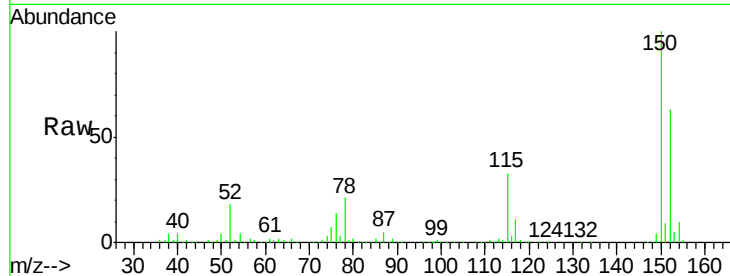
Tgt Ion:152 Resp: 98086

Ion Ratio Lower Upper

152 100

115 52.0 38.6 115.7

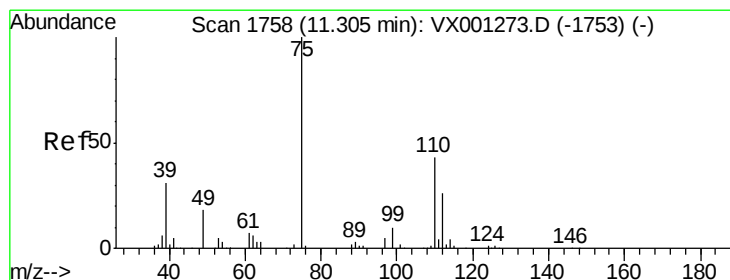
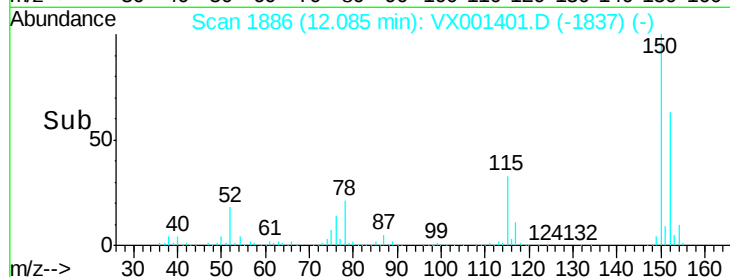
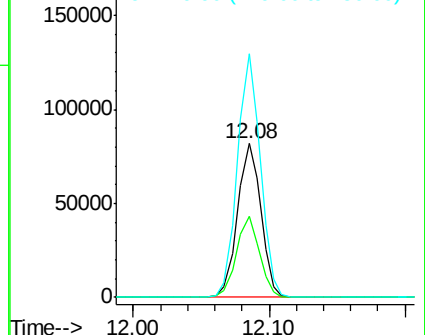
150 155.4 0.0 349.2



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: 27.30 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001401.D

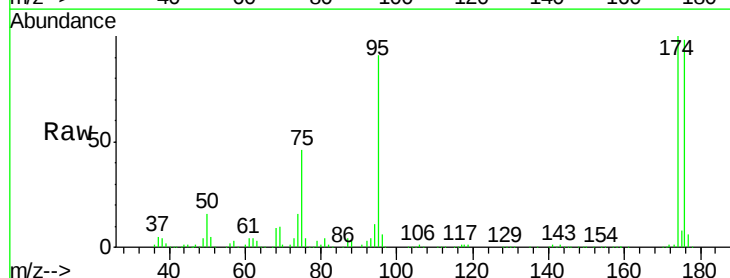
Acq: 04 May 2018 17:11

Tgt Ion: 75 Resp: 49516

Ion Ratio Lower Upper

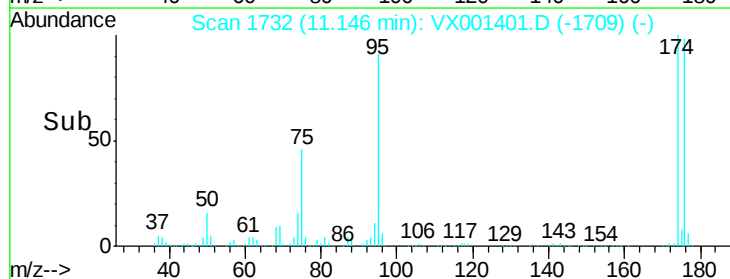
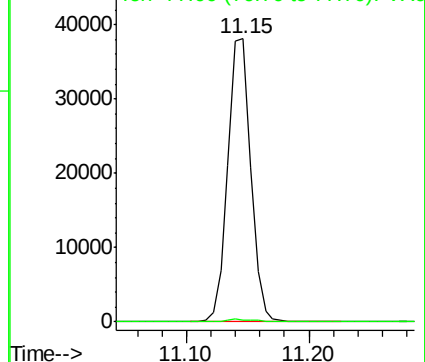
75 100

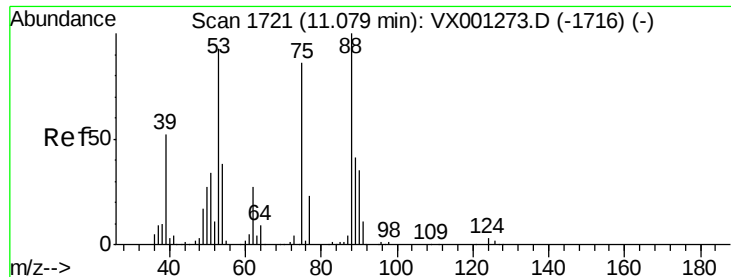
77 1.2 18.9 56.5#



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: 85.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001401.D

Acq: 04 May 2018 17:11

Instrument :

MSVOA_X

ClientSampleId :

SB-14(6-6.5)

Tgt Ion: 75 Resp: 49516

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#

