

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050418\
 Data File : VX001402.D
 Acq On : 04 May 2018 17:38
 Operator : JC/MD
 Sample : J2707-11
 Misc : 5.75g/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-15(3.5-4)

Quant Time: May 05 05:43:31 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	156249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	213257	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	101567	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	108162	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	5.51	113	89131	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.72	98	311060	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.15	95	99261	37.81	ug/l	0.00
Spiked Amount			Recovery	=	75.62%	

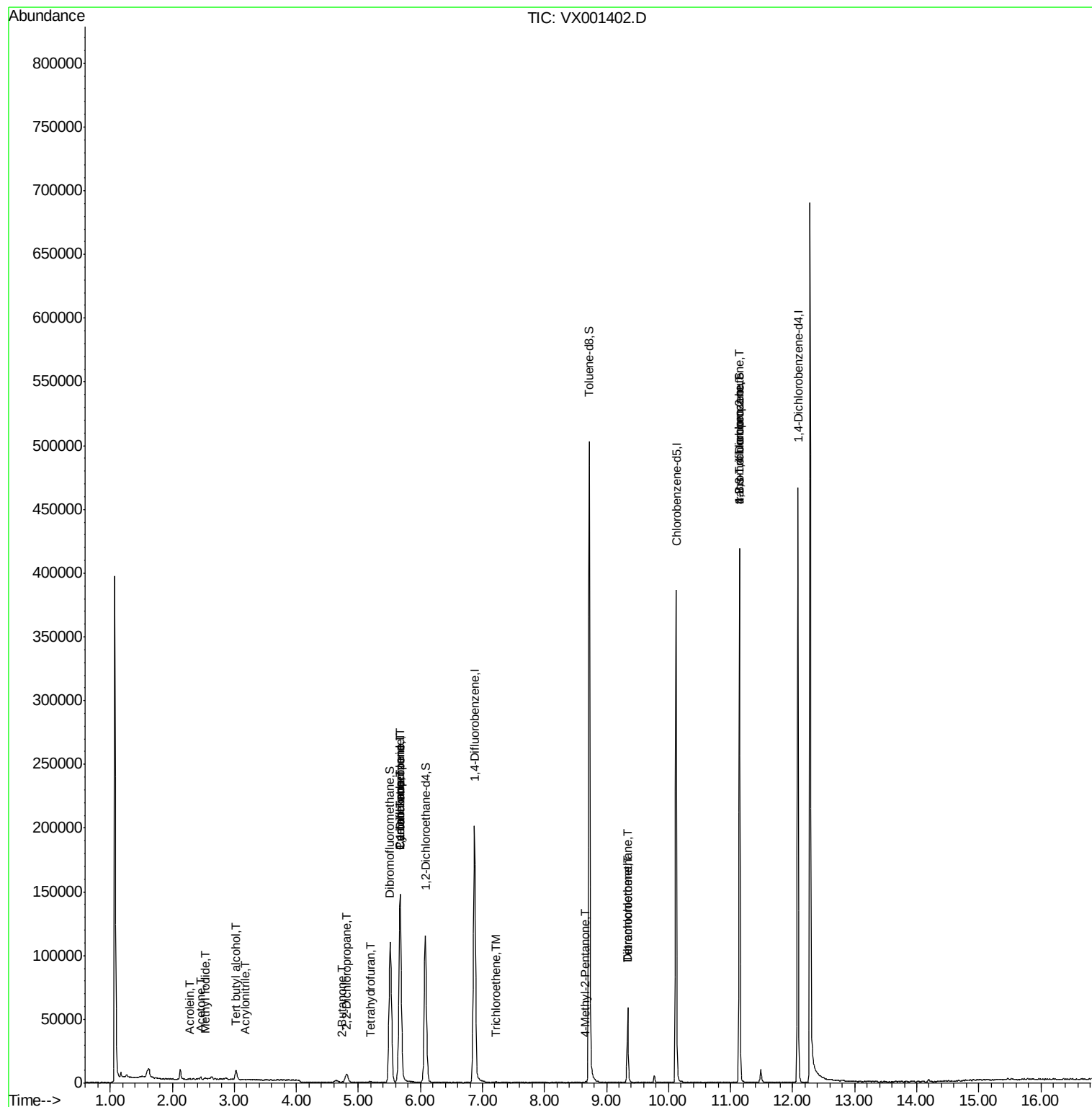
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	891	Below Cal	#	80
10) Methyl Iodide	2.53	142	774	4.70	ug/l #	95
11) Tert butyl alcohol	3.03	59	4626	12.43	ug/l #	73
13) Acrolein	2.28	56	135	0.63	ug/l #	57
15) Acrylonitrile	3.16	53	207	0.24	ug/l #	85
16) Acetone	2.45	43	1746	1.89	ug/l	95
20) Methylene Chloride	2.86	84	201	Below Cal	#	84
25) 2-Butanone	4.73	43	387	0.31	ug/l #	49
26) 2,2-Dichloropropane	4.81	77	589	0.25	ug/l #	52
29) Tetrahydrofuran	5.20	42	428	0.56	ug/l #	64
31) Cyclohexane	5.67	56	2762	1.04	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9991	4.06	ug/l #	49
38) Carbon Tetrachloride	5.67	117	13092	5.08	ug/l #	18
44) Trichloroethene	7.22	130	438	0.20	ug/l	71
51) 4-Methyl-2-Pentanone	8.66	43	591	0.23	ug/l	92
60) Dibromochloromethane	9.34	129	10480	5.37	ug/l #	10
64) Tetrachloroethene	9.34	164	12286	5.60	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	49660	26.44	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	49660	82.93	ug/l #	6

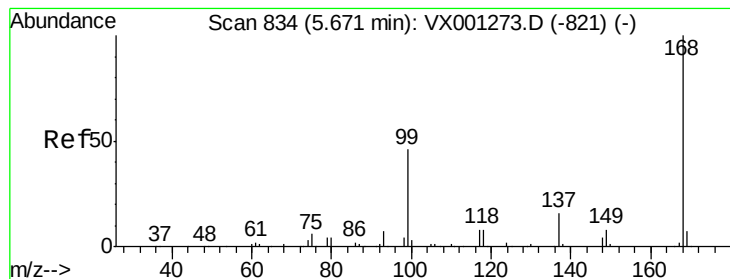
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-15(3.5-4)

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Quant Title : SW846 8260
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: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

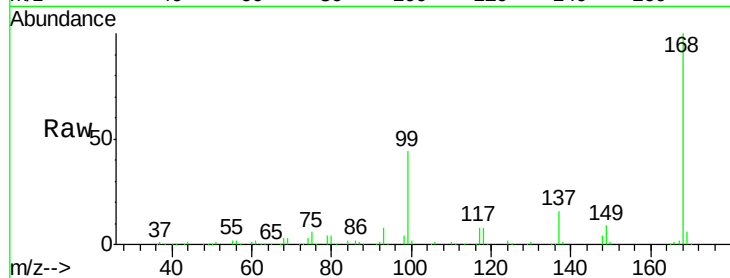
SB-15(3.5-4)

Tgt Ion:168 Resp: 156249

Ion Ratio Lower Upper

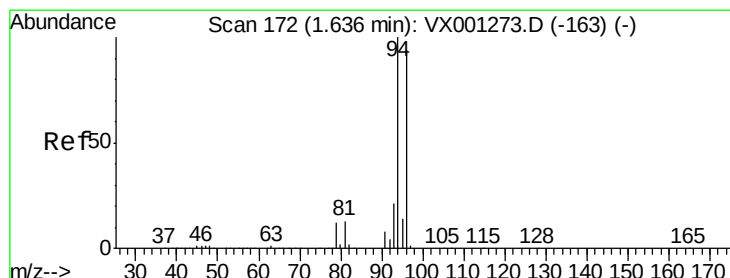
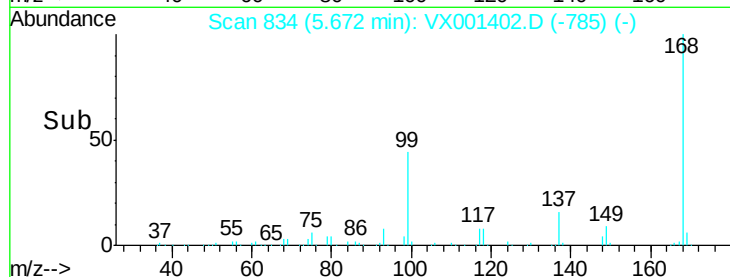
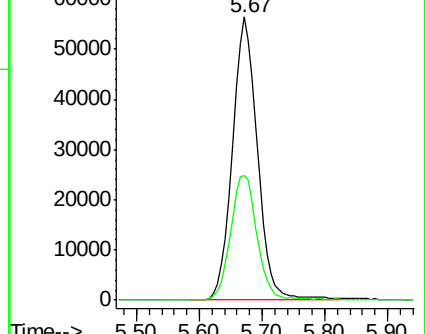
168 100

99 43.9 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001402.D

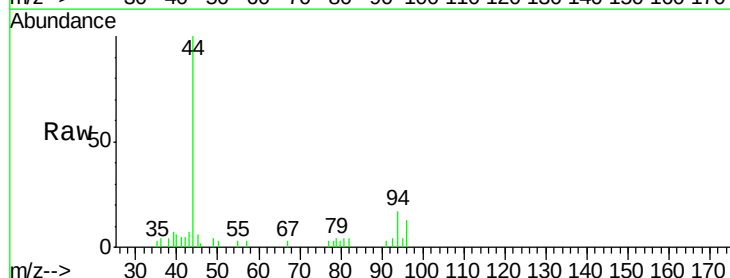
Acq: 04 May 2018 17:38

Tgt Ion: 94 Resp: 891

Ion Ratio Lower Upper

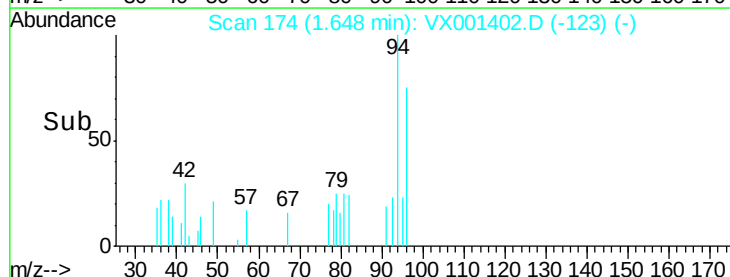
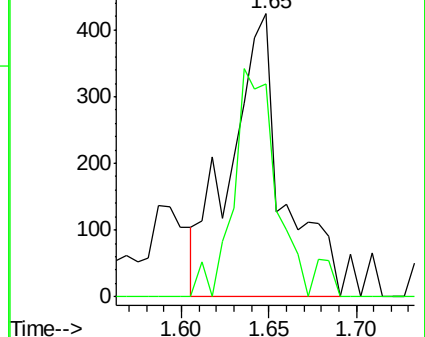
94 100

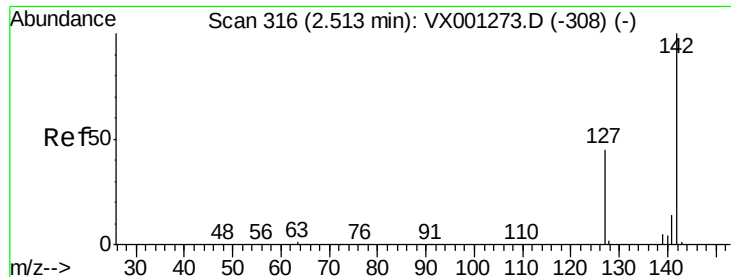
96 75.5 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

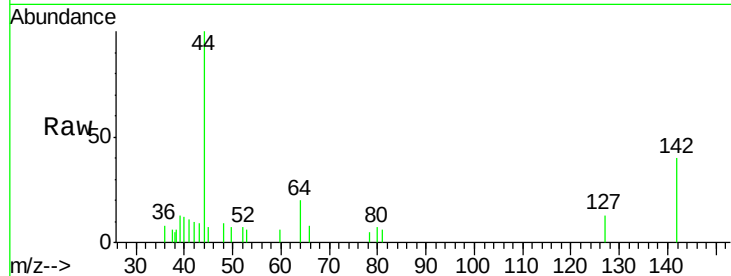




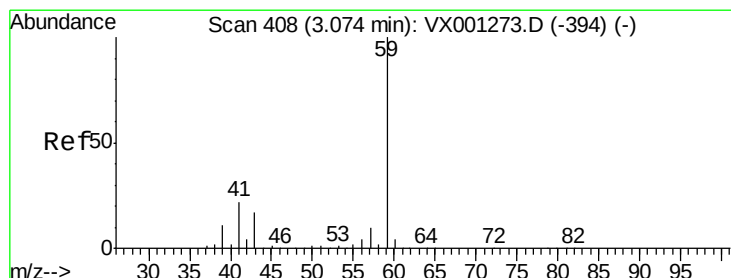
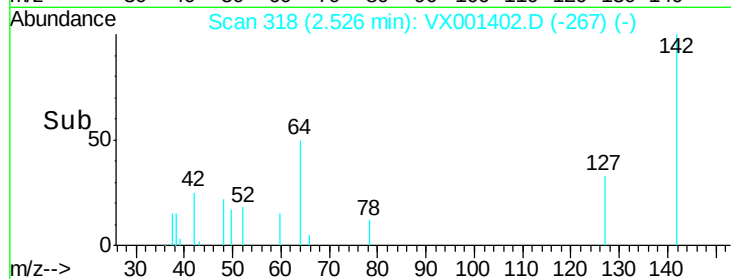
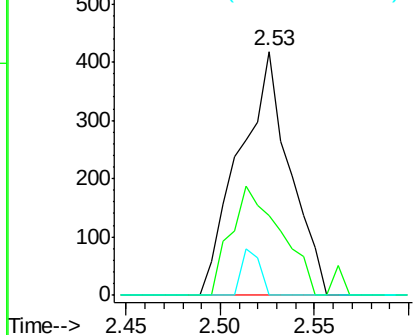
#10
Methyl Iodide
Concen: 4.70 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

Instrument :
MSVOA_X
ClientSampled :
SB-15(3.5-4)

Tgt Ion:142 Resp: 774
Ion Ratio Lower Upper
142 100
127 44.4 35.7 53.5
141 6.7 11.4 17.0#

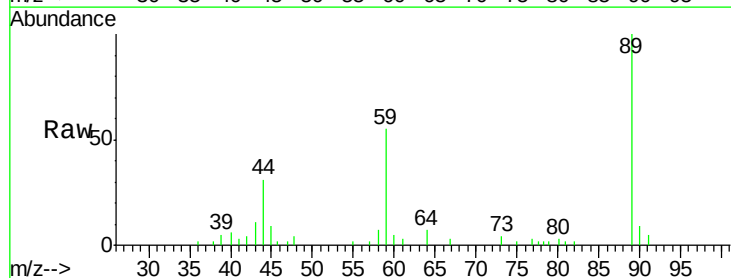


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

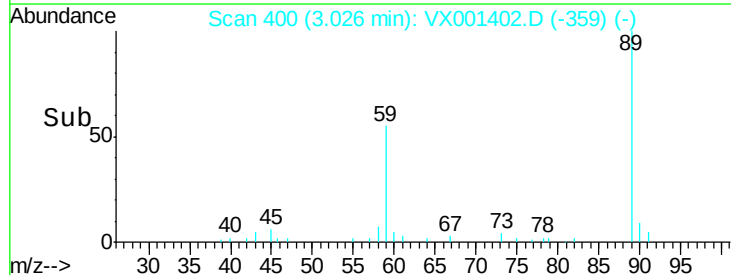
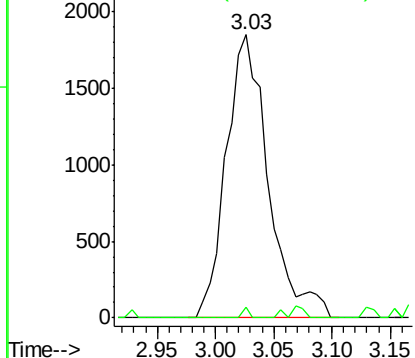


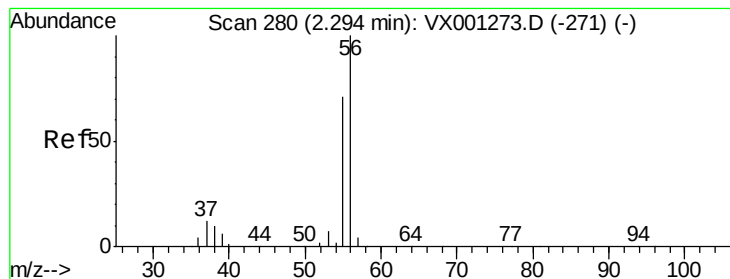
#11
Tert butyl alcohol
Concen: 12.43 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

Tgt Ion: 59 Resp: 4626
Ion Ratio Lower Upper
59 100
57 0.6 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.63 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

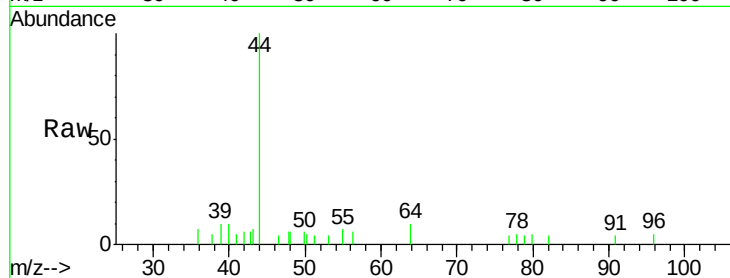
SB-15(3.5-4)

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

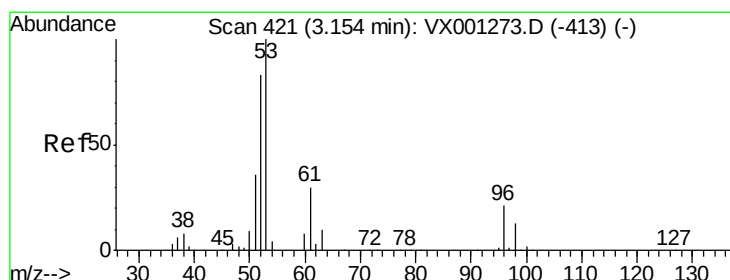
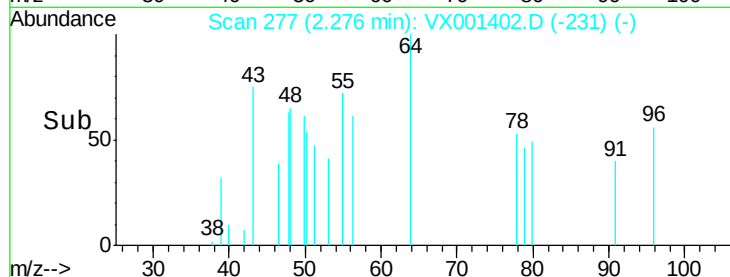
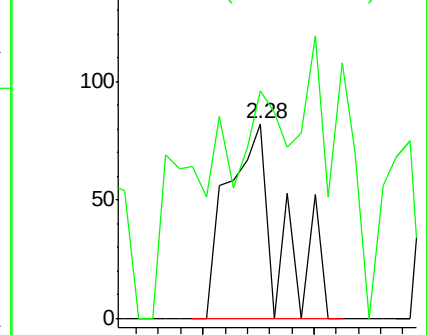
56 100

55 35.6 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: VX001402.D

Acq: 04 May 2018 17:38

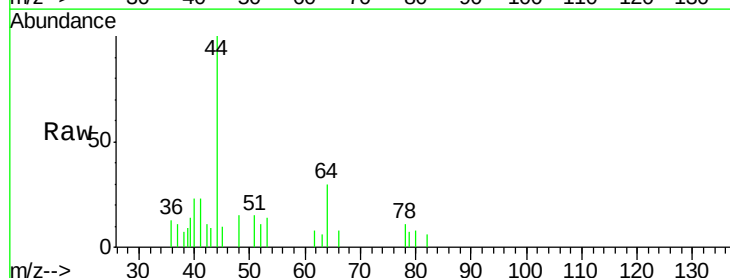
Tgt Ion: 53 Resp: 207

Ion Ratio Lower Upper

53 100

52 86.5 67.0 100.4

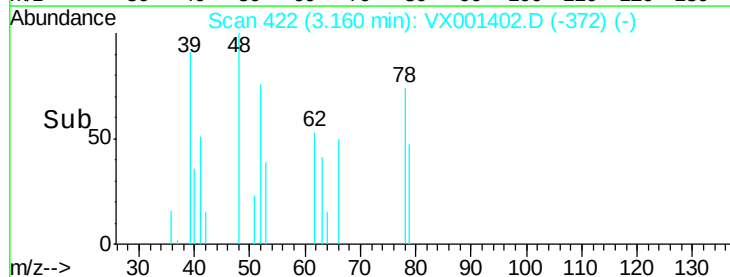
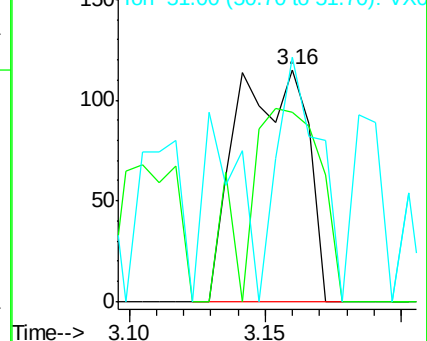
51 62.3 29.9 44.9#

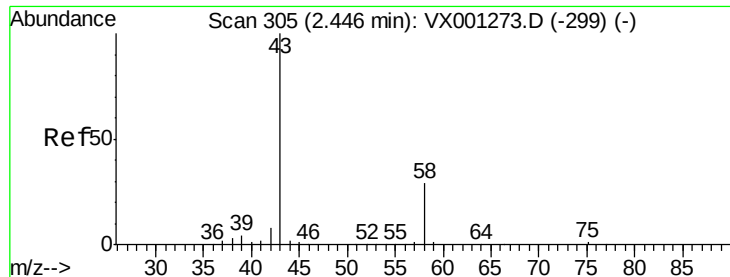


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 1.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

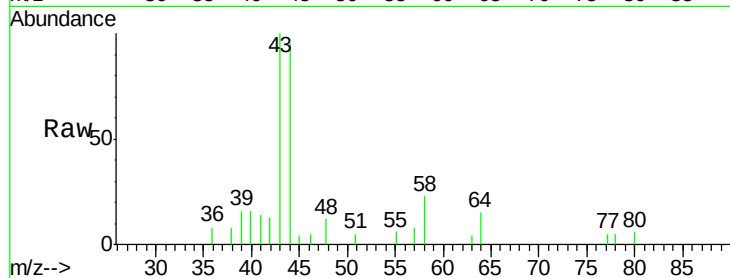
SB-15(3.5-4)

Tgt Ion: 43 Resp: 1746

Ion Ratio Lower Upper

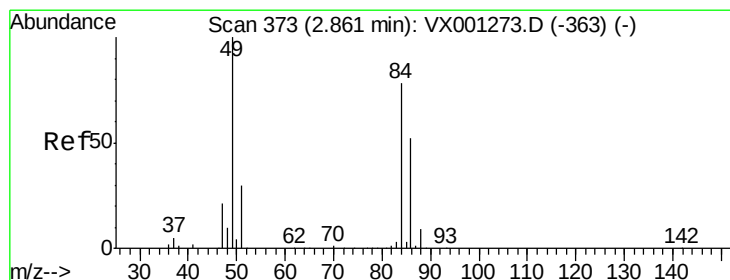
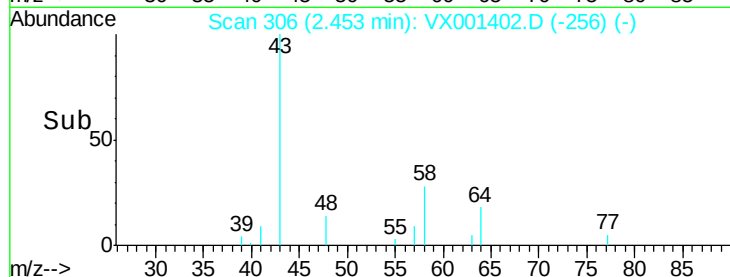
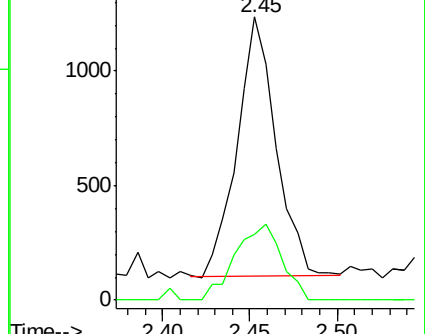
43 100

58 25.7 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# 372

Delta R.T. -0.00 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Tgt Ion: 84 Resp: 201

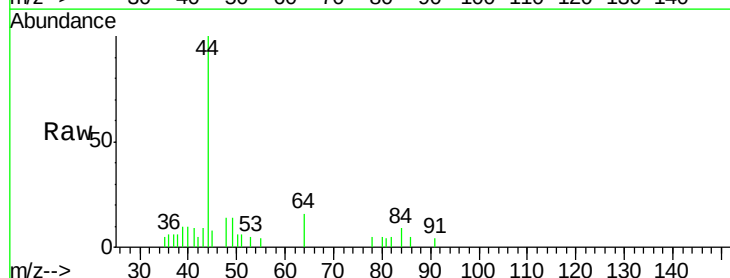
Ion Ratio Lower Upper

84 100

49 114.5 102.8 154.2

51 21.4 30.9 46.3#

86 51.9 53.0 79.4#

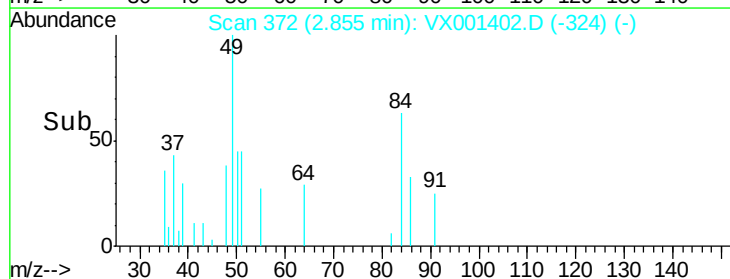
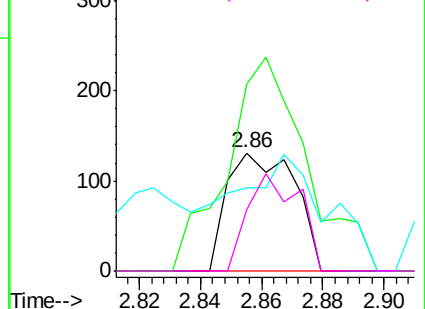


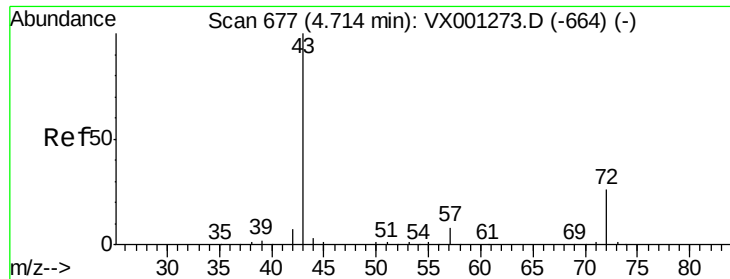
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

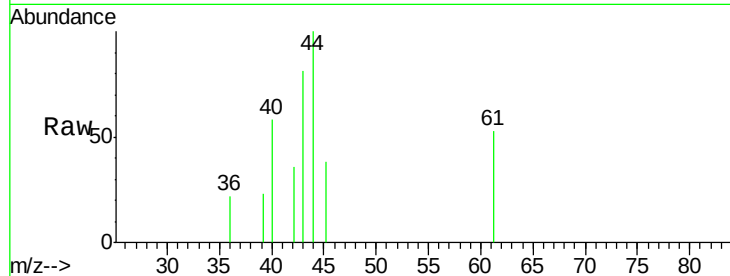
SB-15(3.5-4)

Tgt Ion: 43 Resp: 387

Ion Ratio Lower Upper

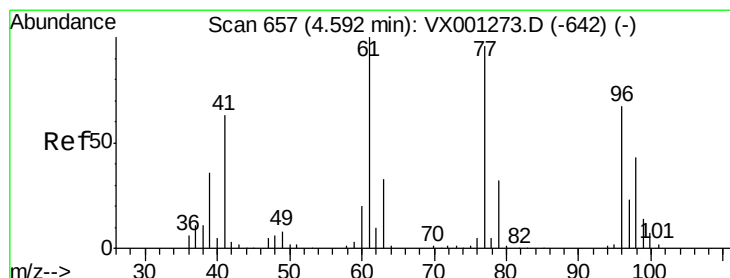
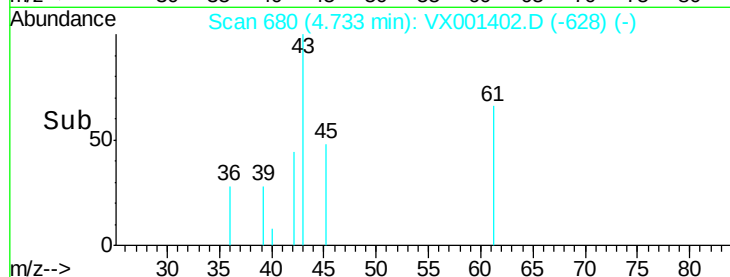
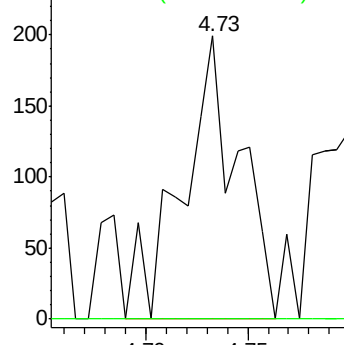
43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.25 ug/l

RT: 4.81 min Scan# 692

Delta R.T. 0.21 min

Lab File: VX001402.D

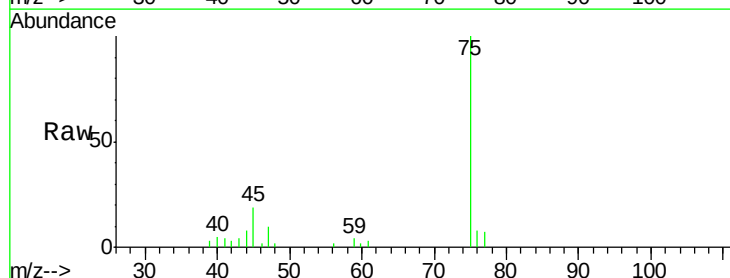
Acq: 04 May 2018 17:38

Tgt Ion: 77 Resp: 589

Ion Ratio Lower Upper

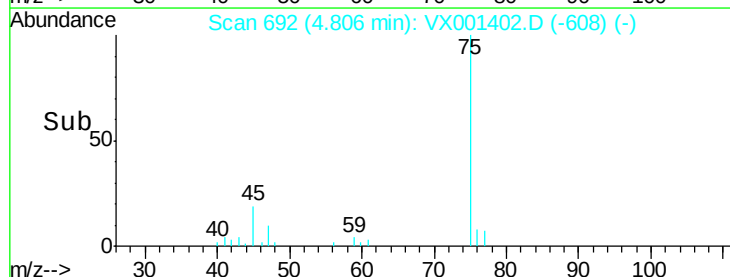
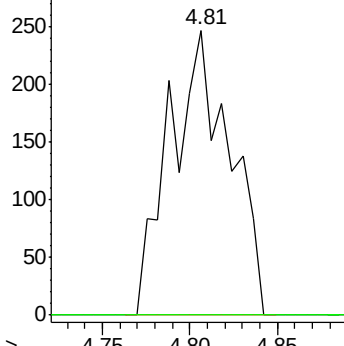
77 100

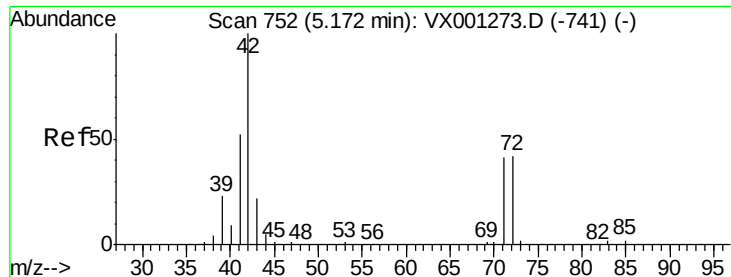
97 0.0 11.8 35.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#29

Tetrahydrofuran

Concen: 0.56 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

SB-15(3.5-4)

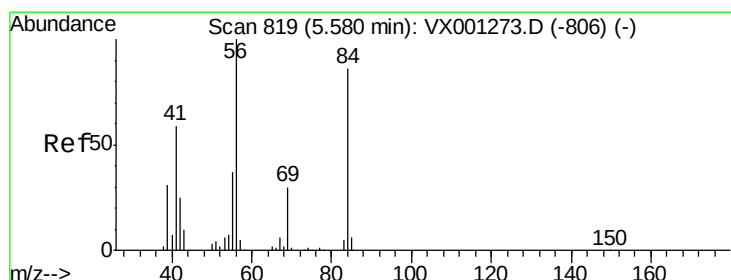
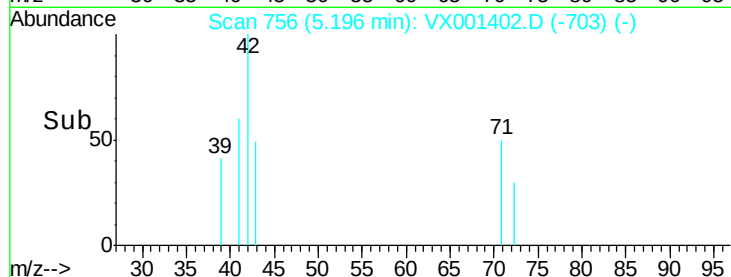
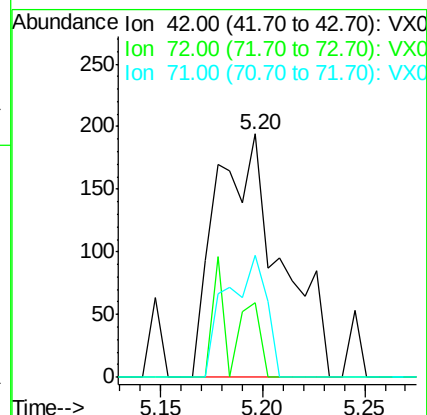
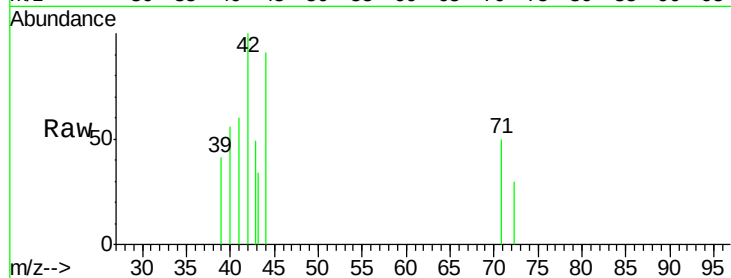
Tgt Ion: 42 Resp: 428

Ion Ratio Lower Upper

42 100

72 8.2 34.6 52.0#

71 30.8 32.7 49.1#



#31

Cyclohexane

Concen: 1.04 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

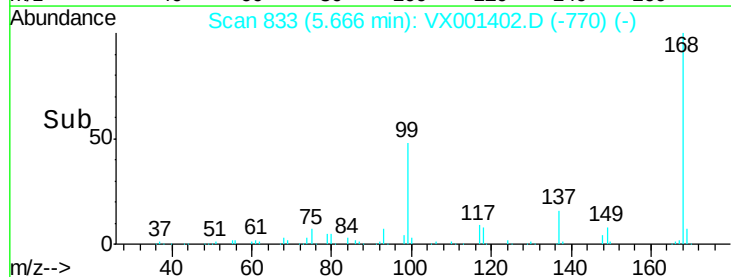
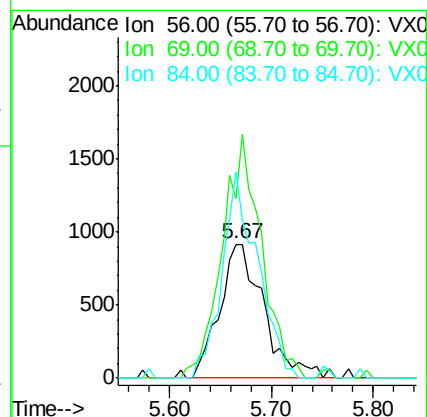
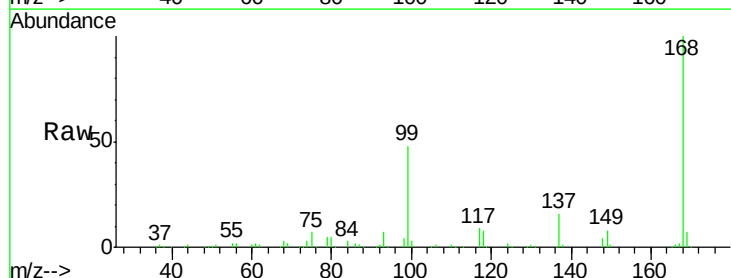
Tgt Ion: 56 Resp: 2762

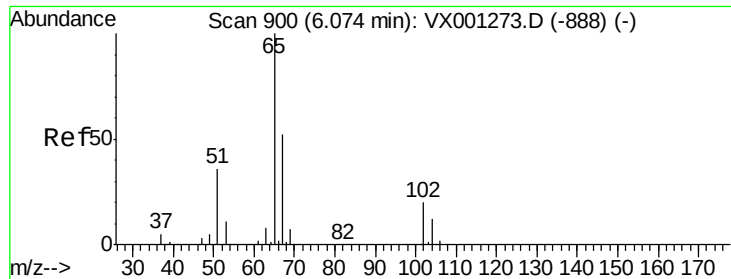
Ion Ratio Lower Upper

56 100

69 134.2 24.0 36.0#

84 154.7 69.0 103.4#

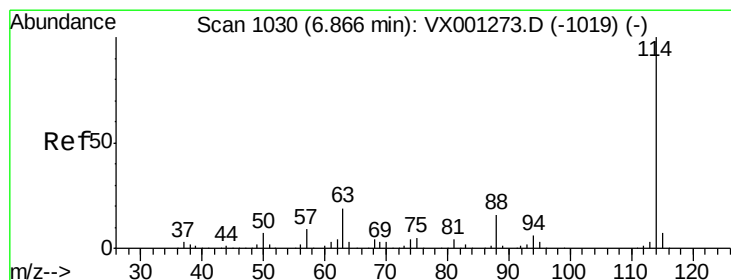
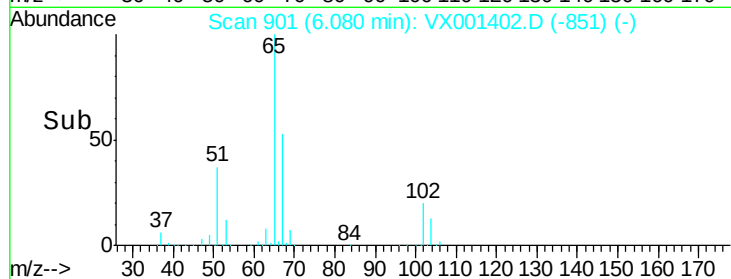
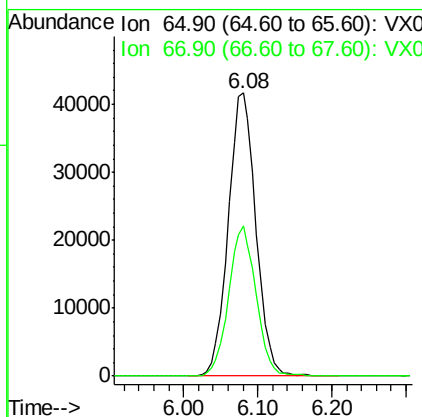
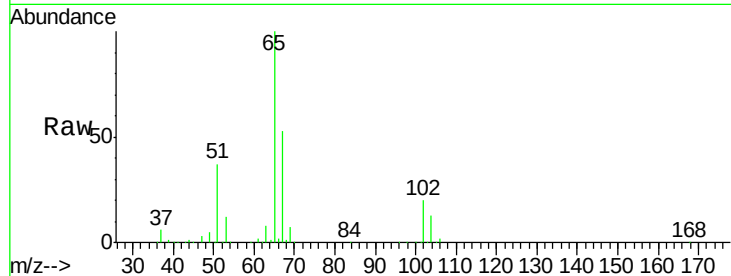




#33
 1,2-Dichloroethane-d4
 Concen: 50.01 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001402.D
 Acq: 04 May 2018 17:38

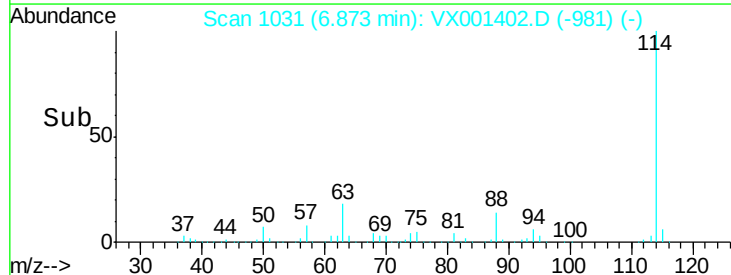
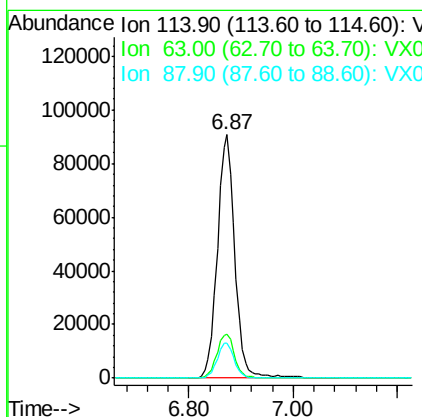
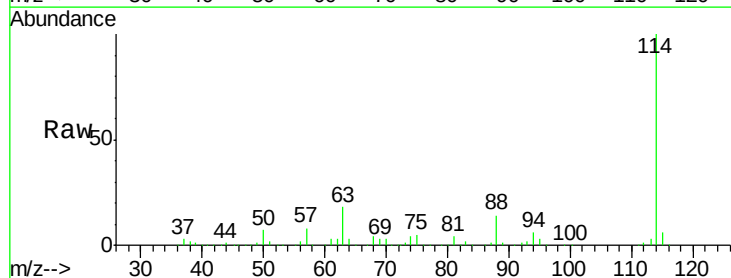
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-15(3.5-4)

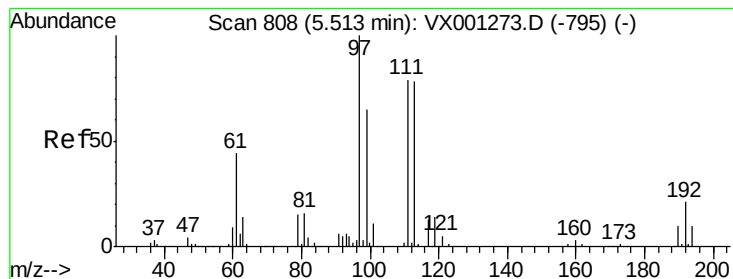
Tgt Ion: 65 Resp: 108162
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001402.D
 Acq: 04 May 2018 17:38

Tgt Ion: 114 Resp: 213257
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 38.8
 88 14.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.51 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

SB-15(3.5-4)

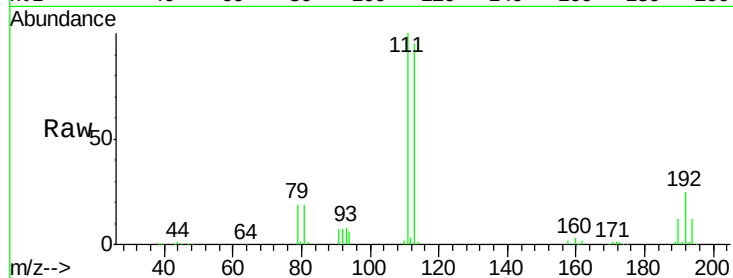
Tgt Ion:113 Resp: 89131

Ion Ratio Lower Upper

113 100

111 102.3 81.2 121.8

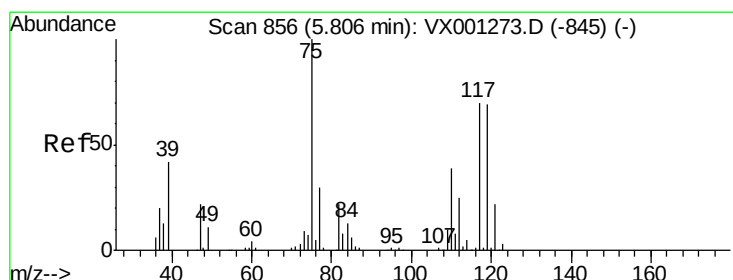
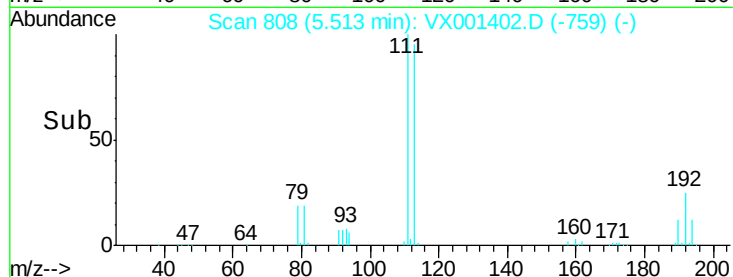
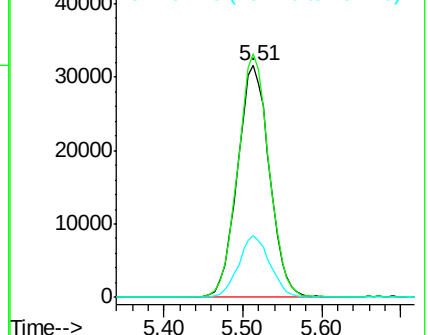
192 26.1 20.7 31.1



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: 4.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

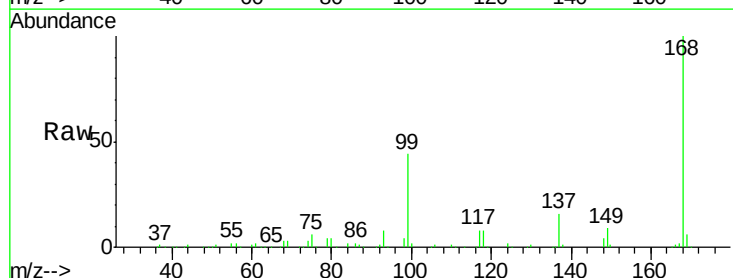
Tgt Ion: 75 Resp: 9991

Ion Ratio Lower Upper

75 100

110 9.1 18.9 56.9#

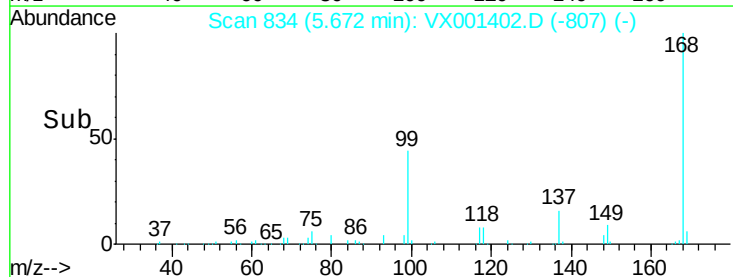
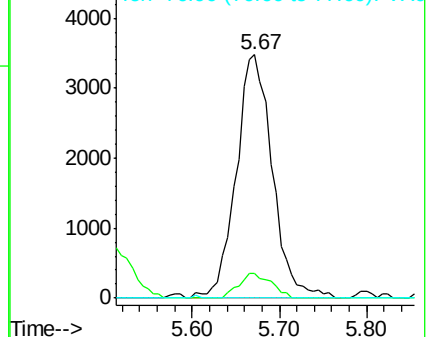
77 0.0 24.2 36.2#

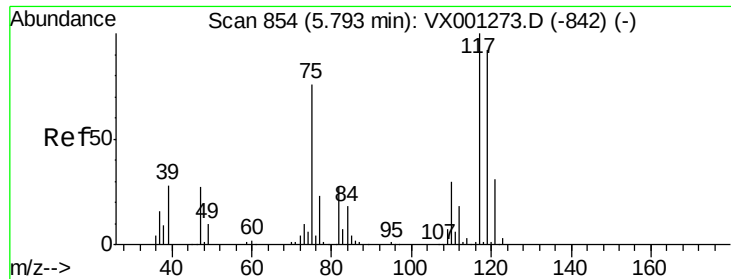


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.08 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

SB-15(3.5-4)

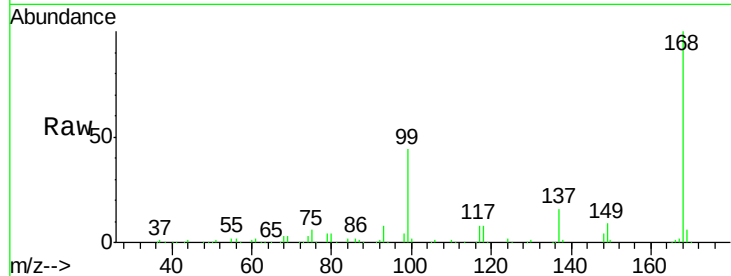
Tgt Ion:117 Resp: 13092

Ion Ratio Lower Upper

117 100

119 5.8 73.4 110.2#

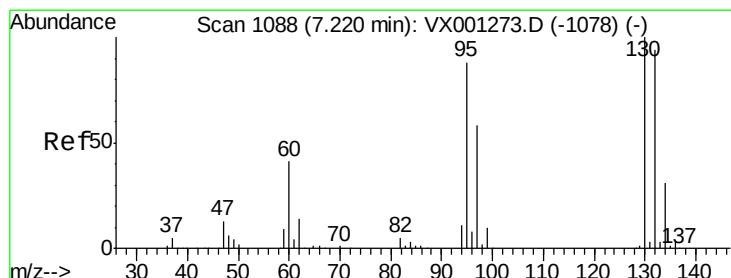
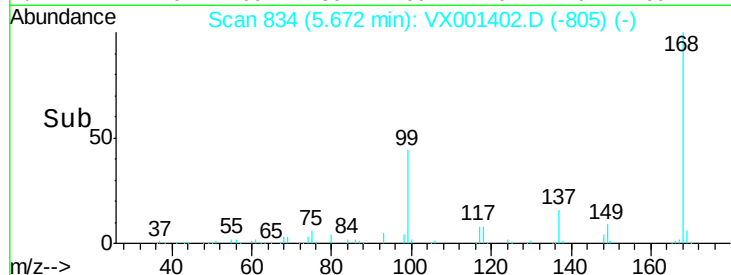
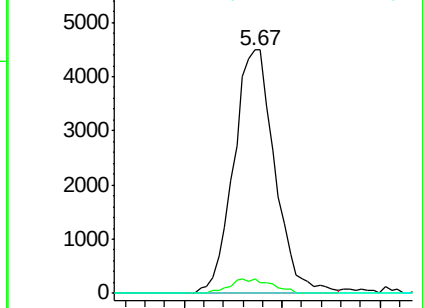
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 0.20 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001402.D

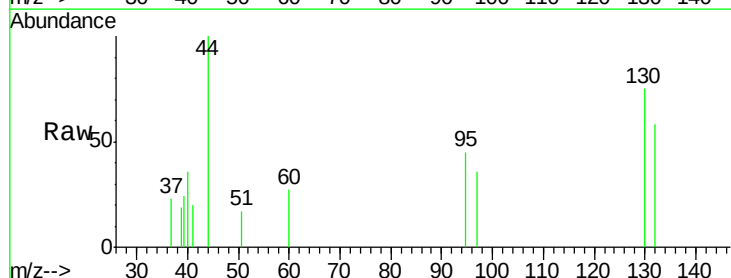
Acq: 04 May 2018 17:38

Tgt Ion:130 Resp: 438

Ion Ratio Lower Upper

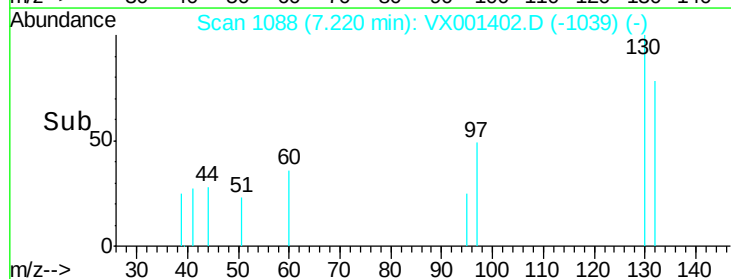
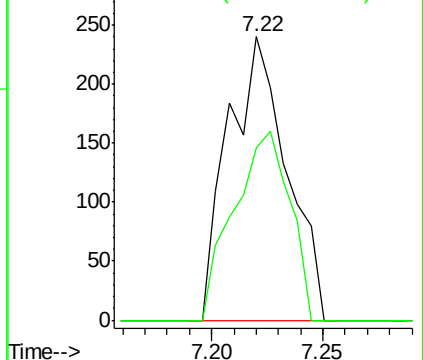
130 100

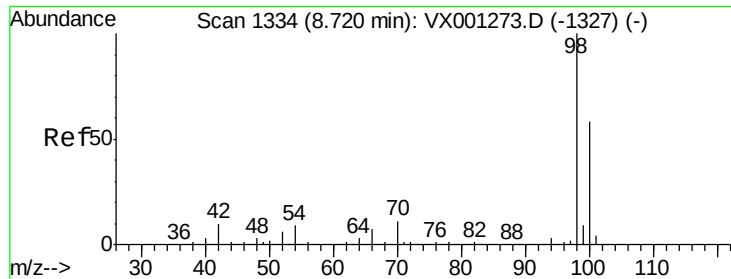
95 60.8 0.0 176.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

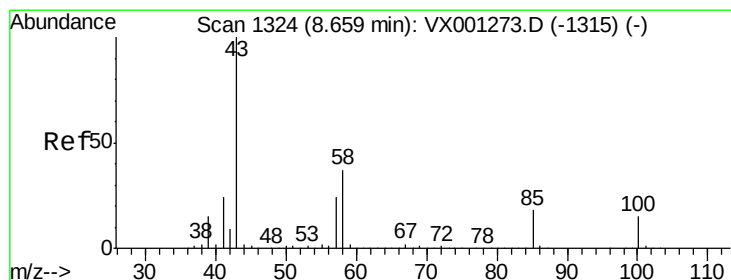
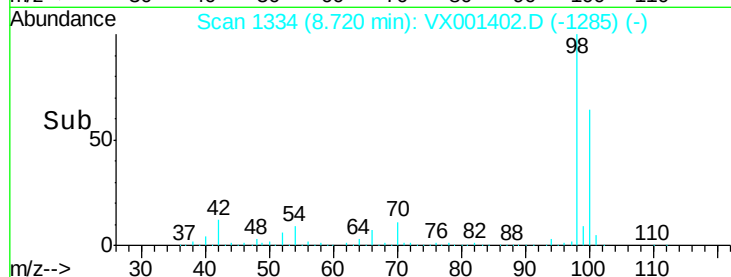
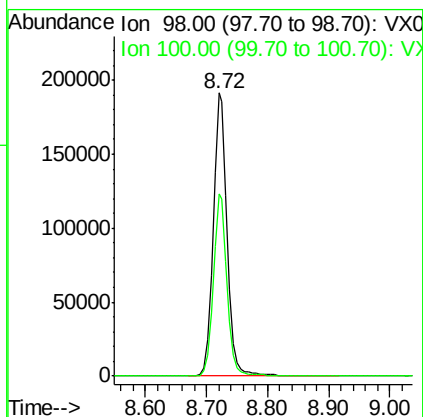
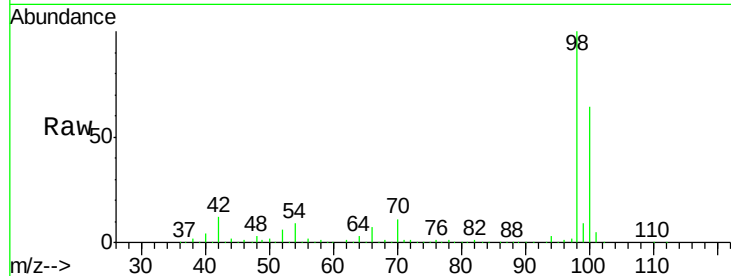




#50
Toluene-d8
Concen: 47.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

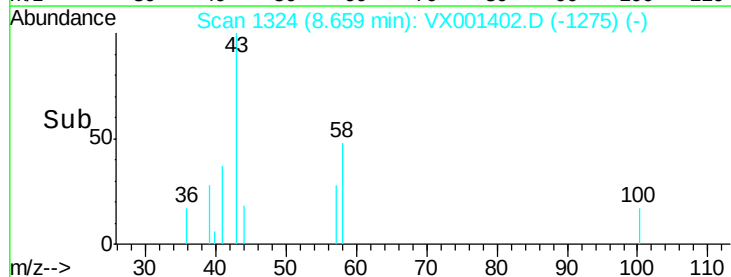
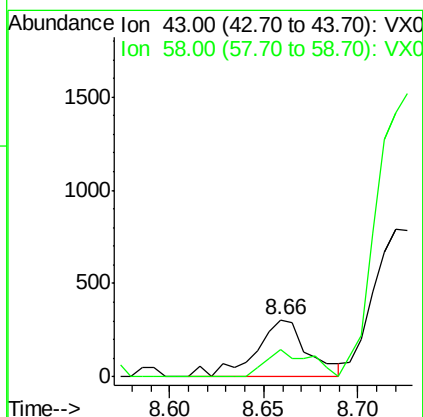
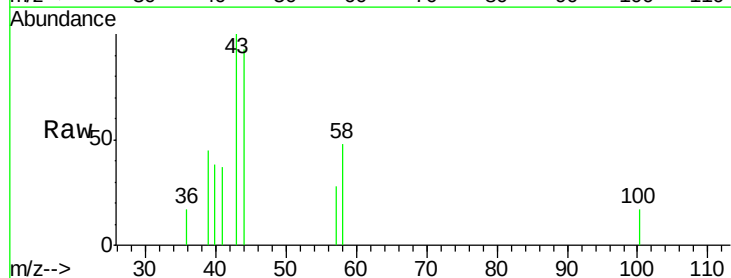
Instrument :
MSVOA_X
ClientSampleId :
SB-15(3.5-4)

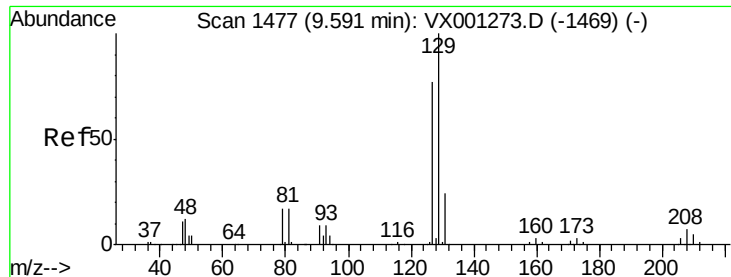
Tgt Ion: 98 Resp: 311060
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

Tgt Ion: 43 Resp: 591
Ion Ratio Lower Upper
43 100
58 40.9 29.0 43.6





#60

Dibromochloromethane

Concen: 5.37 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

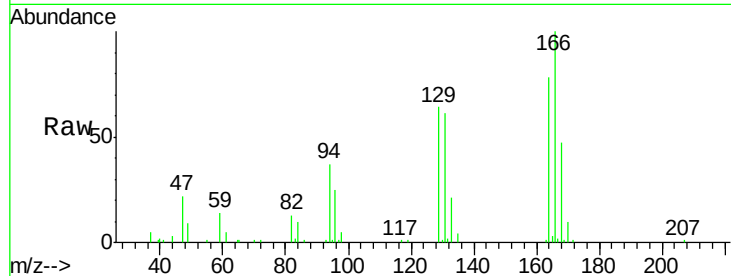
SB-15(3.5-4)

Tgt Ion:129 Resp: 10480

Ion Ratio Lower Upper

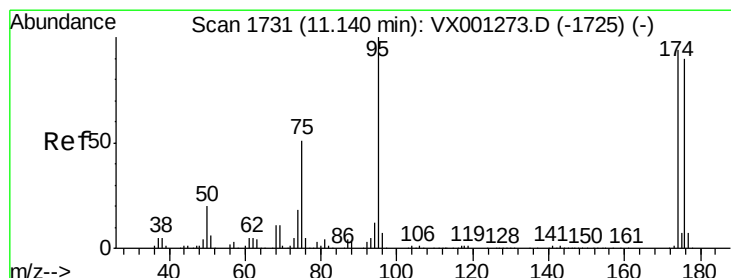
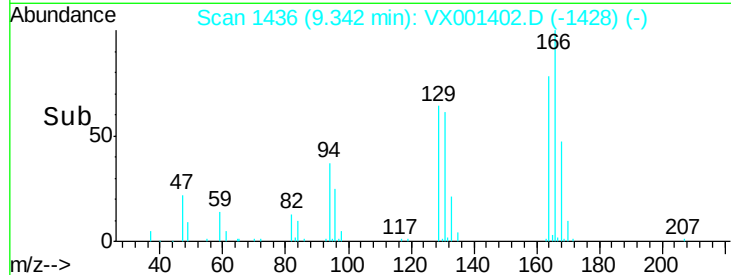
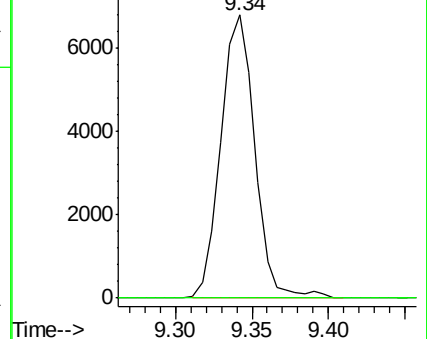
129 100

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



#62

4-Bromofluorobenzene

Concen: 37.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001402.D

Acq: 04 May 2018 17:38

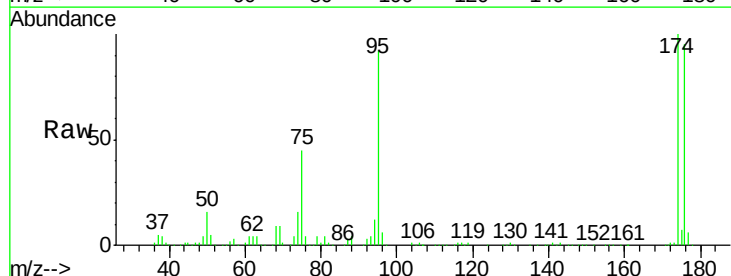
Tgt Ion: 95 Resp: 99261

Ion Ratio Lower Upper

95 100

174 104.6 0.0 201.8

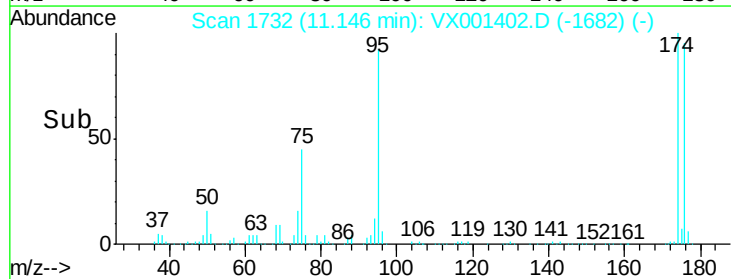
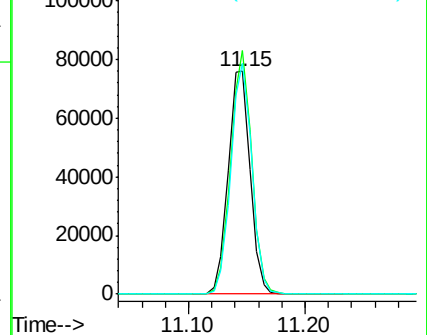
176 99.7 0.0 197.2

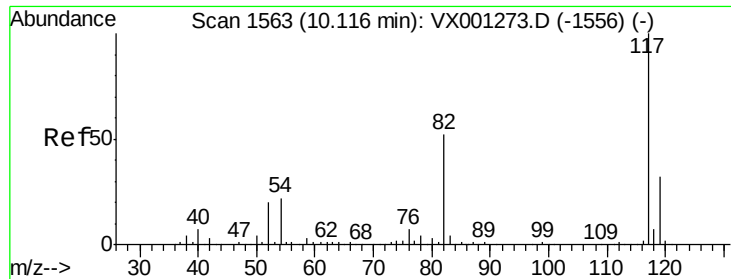


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

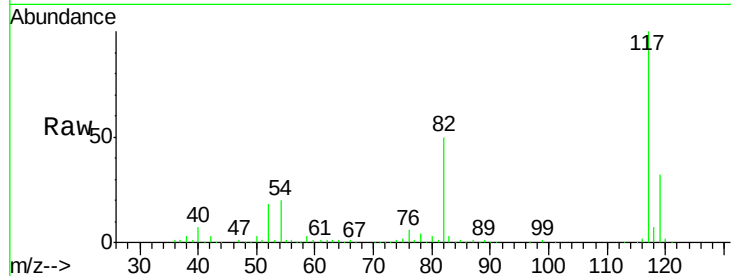




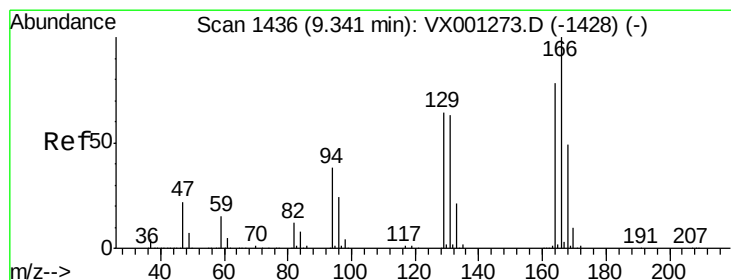
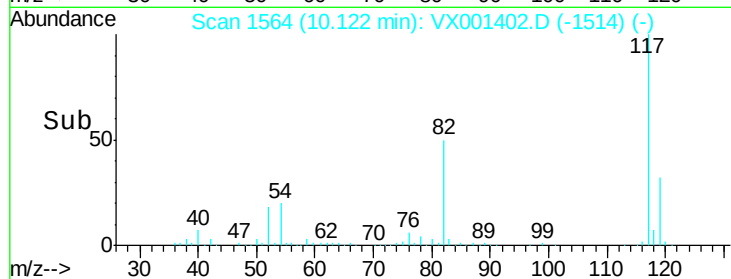
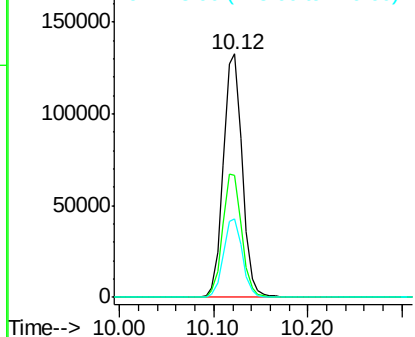
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :
SB-15(3.5-4)

Tgt Ion:117 Resp: 185100
Ion Ratio Lower Upper
117 100
82 49.9 41.4 62.0
119 32.3 25.5 38.3

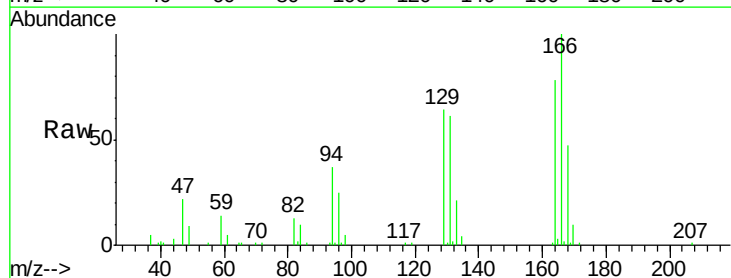


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

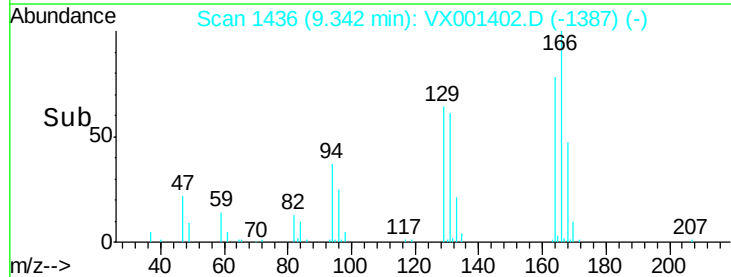
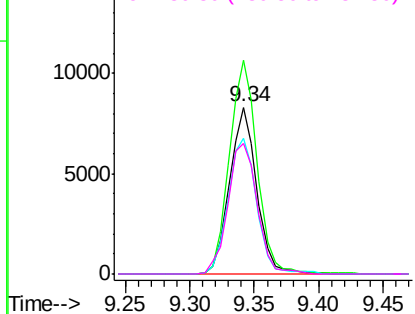


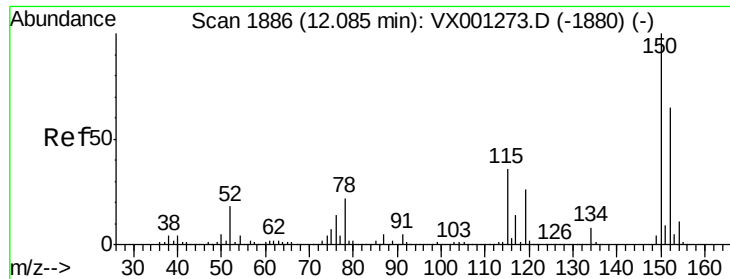
#64
Tetrachloroethene
Concen: 5.60 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001402.D
Acq: 04 May 2018 17:38

Tgt Ion:164 Resp: 12286
Ion Ratio Lower Upper
164 100
166 128.3 102.3 153.5
129 81.8 65.1 97.7
131 78.2 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

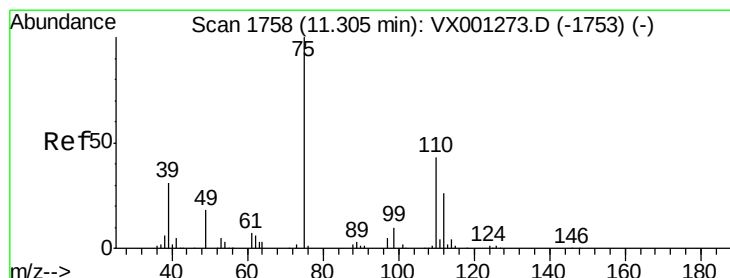
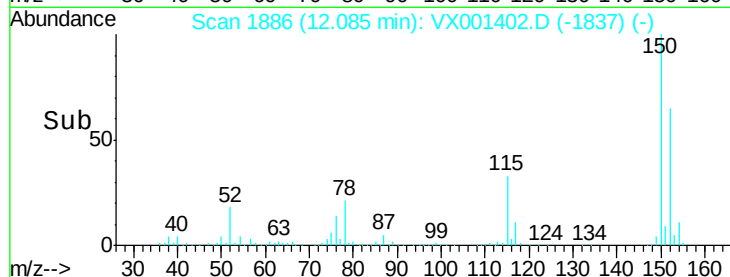
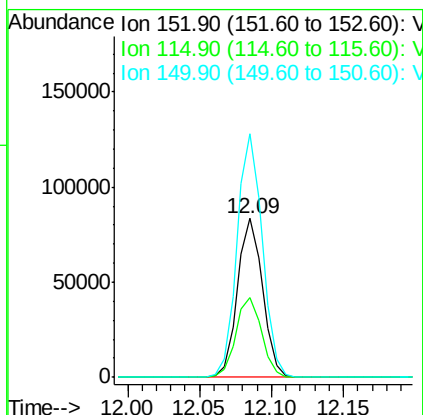
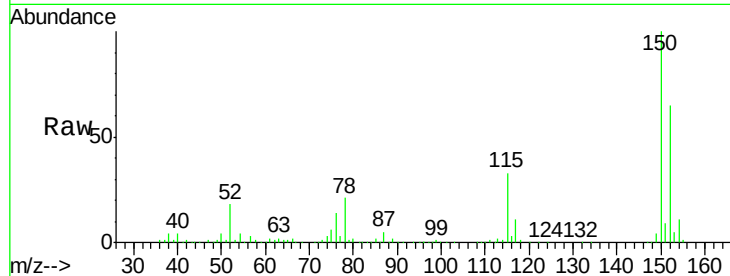




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.09 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX001402.D
 Acq: 04 May 2018 17:38

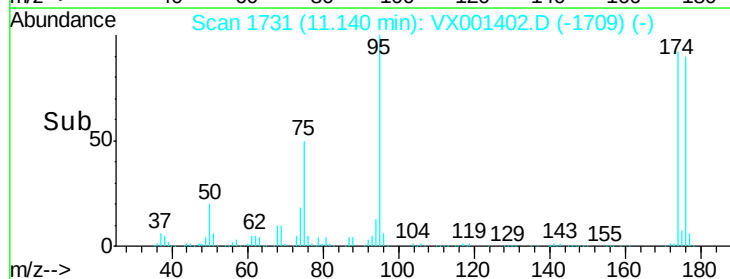
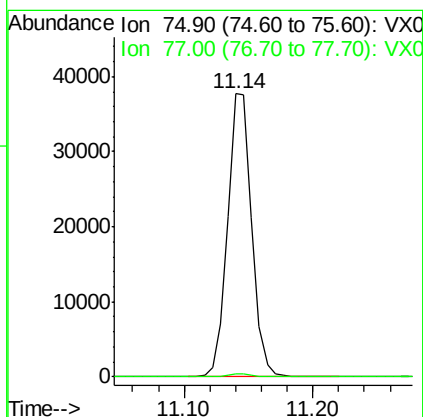
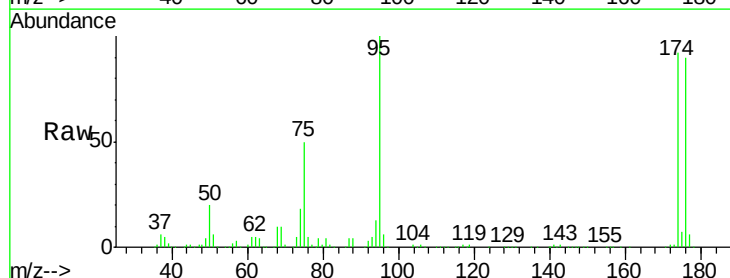
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-15(3.5-4)

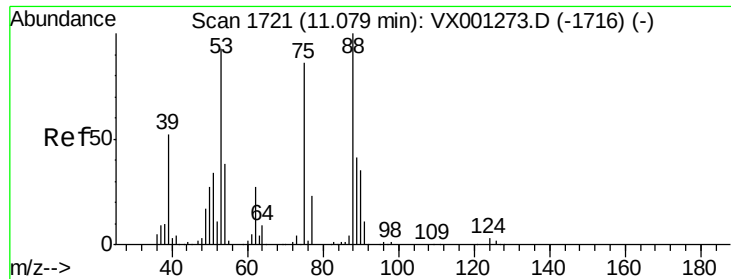
Tgt Ion:152 Resp: 101567
 Ion Ratio Lower Upper
 152 100
 115 51.6 38.6 115.7
 150 154.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 26.44 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001402.D
 Acq: 04 May 2018 17:38

Tgt Ion: 75 Resp: 49660
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.9 56.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 82.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001402.D

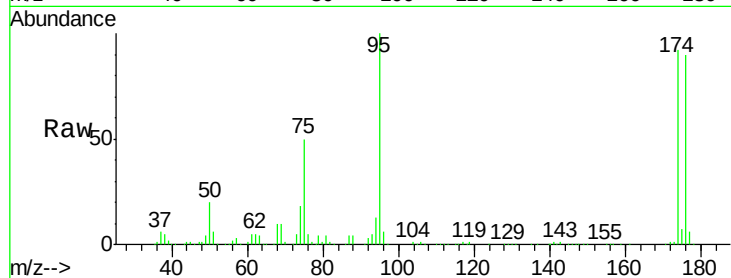
Acq: 04 May 2018 17:38

Instrument :

MSVOA_X

ClientSampleId :

SB-15(3.5-4)



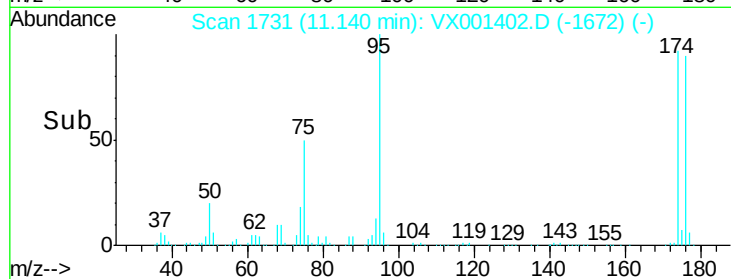
Tgt Ion: 75 Resp: 49660

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#



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

