

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042018\
 Data File : VX001039.D
 Acq On : 21 Apr 2018 04:59
 Operator : JC/MD
 Sample : J2377-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 05:43:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330956	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204772	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	155891	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
35) Dibromofluoromethane	5.51	113	120951	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.72	98	468886	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	182830	46.68	ug/l	0.00
Spiked Amount			Recovery	=	93.36%	

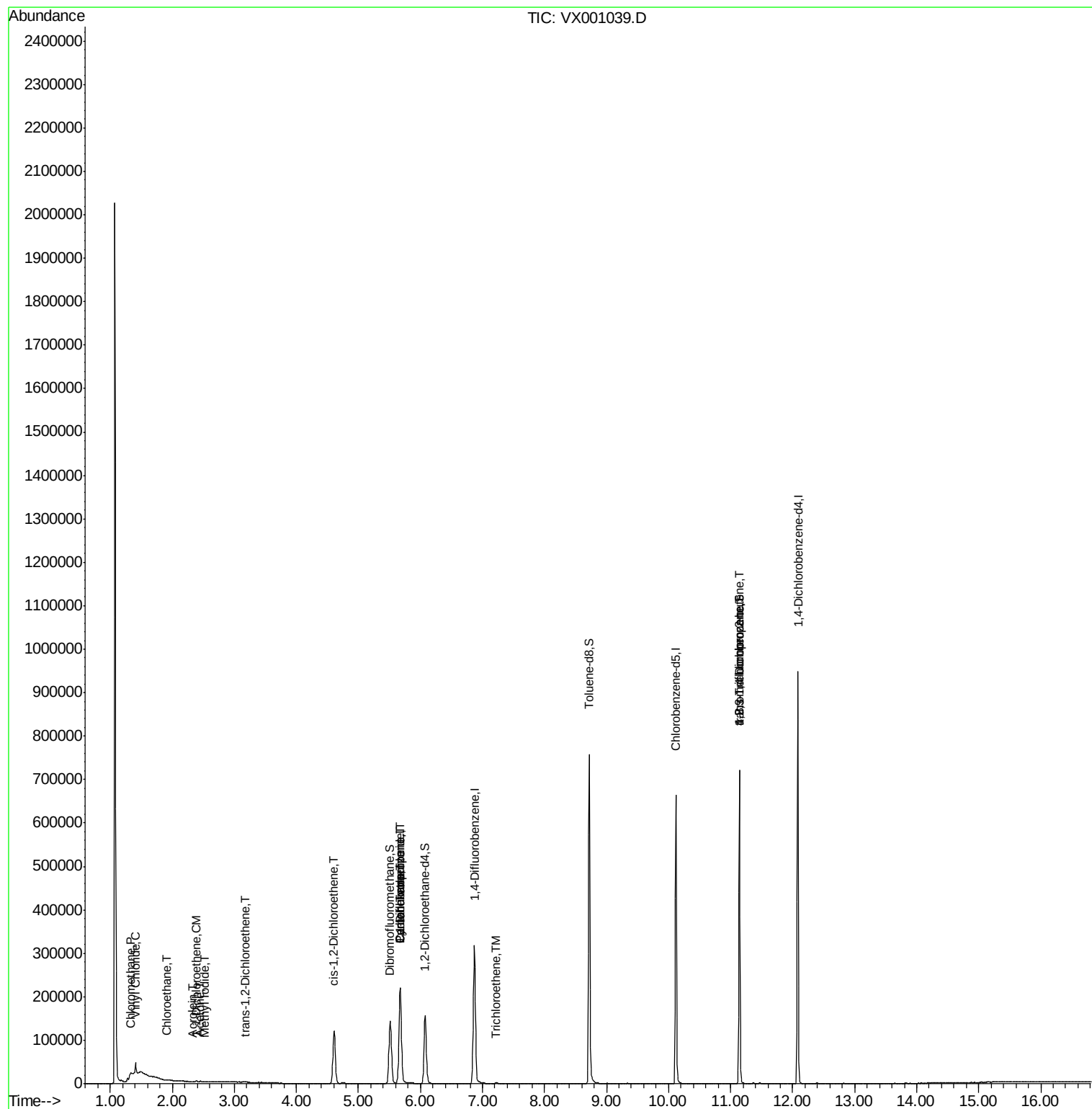
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1324	0.48	ug/l #	84
4) Vinyl Chloride	1.41	62	15628	5.49	ug/l	96
5) Bromomethane	1.62	94	68	Below Cal	#	2
6) Chloroethane	1.92	64	862	0.51	ug/l #	43
10) Methyl Iodide	2.52	142	50	7.62	ug/l #	41
12) 1,1-Dichloroethene	2.39	96	627	0.27	ug/l	91
13) Acrolein	2.32	56	83	11.49	ug/l #	1
16) Acetone	2.45	43	1625	1.43	ug/l	97
20) Methylene Chloride	2.85	84	43	Below Cal	#	7
21) trans-1,2-Dichloroethene	3.18	96	786	0.30	ug/l #	78
27) cis-1,2-Dichloroethene	4.61	96	78718	27.39	ug/l	87
31) Cyclohexane	5.67	56	4206	0.99	ug/l #	7
36) 1,1-Dichloropropene	5.67	75	14656	3.77	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20360	5.17	ug/l #	17
44) Trichloroethene	7.23	130	996	0.30	ug/l	75
76) 1,2,3-Trichloropropane	11.14	75	90680	25.52	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	90680	76.49	ug/l #	8

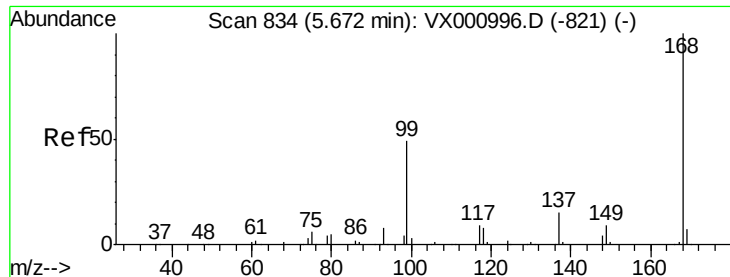
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

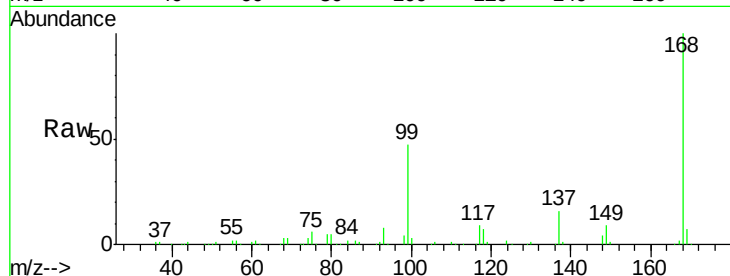
ClientSampled :

Tot Ion:168 Resp: 237889

Ion Ratio Lower Upper

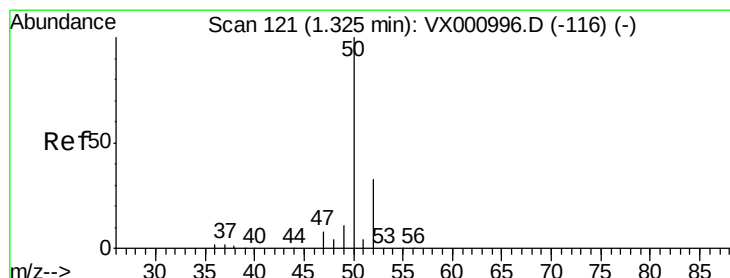
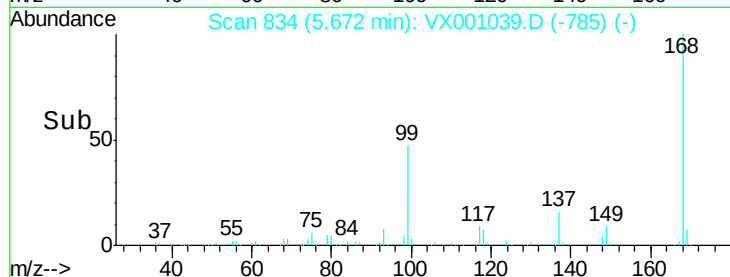
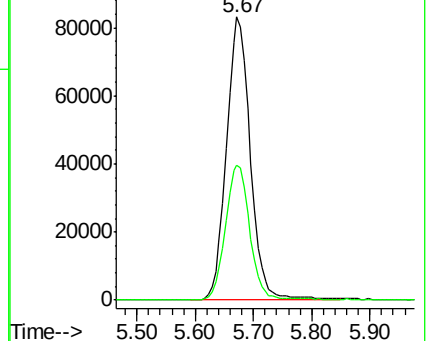
168 100

99 47.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.48 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001039.D

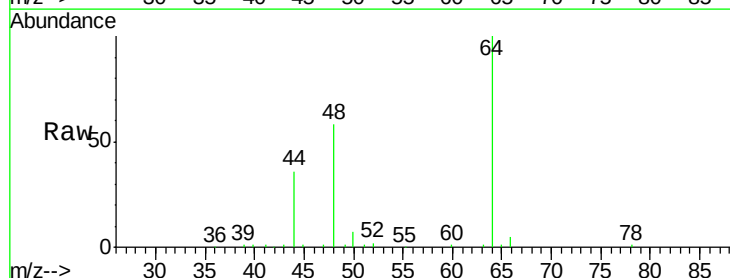
Acq: 21 Apr 2018 04:59

Tgt Ion: 50 Resp: 1324

Ion Ratio Lower Upper

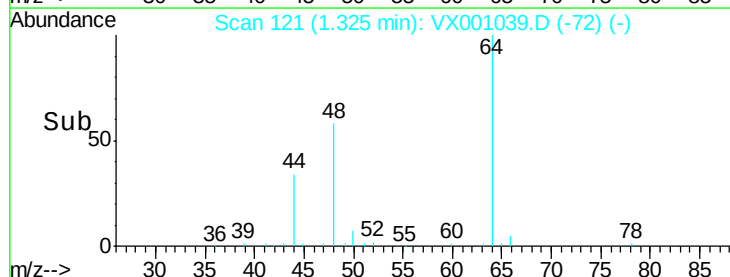
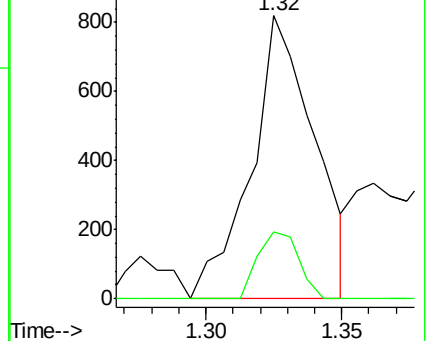
50 100

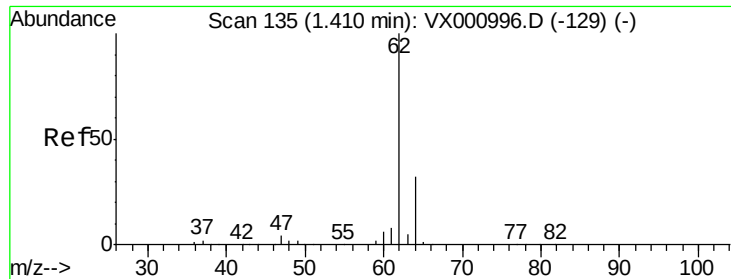
52 23.8 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 5.49 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

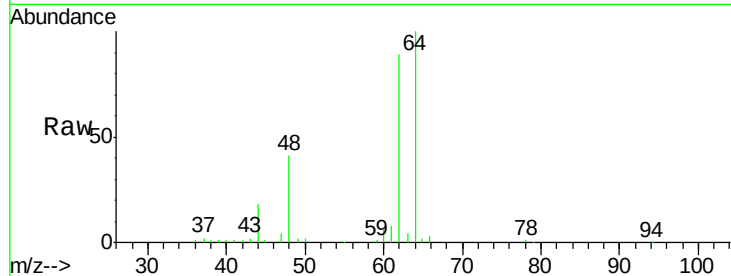
ClientSampleId :

Tot Ion: 62 Resp: 15628

Ion Ratio Lower Upper

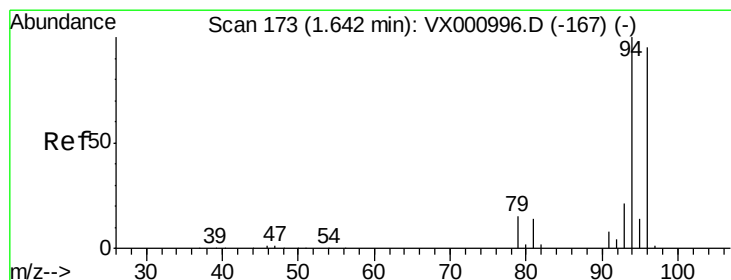
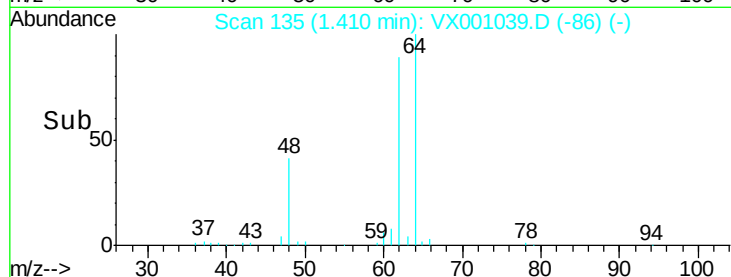
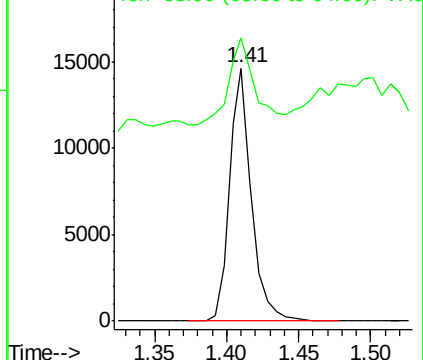
62 100

64 34.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.02 min

Lab File: VX001039.D

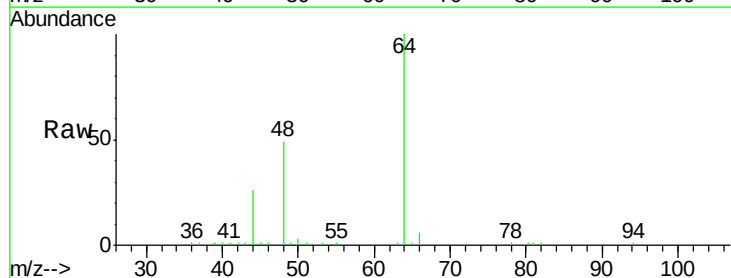
Acq: 21 Apr 2018 04:59

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

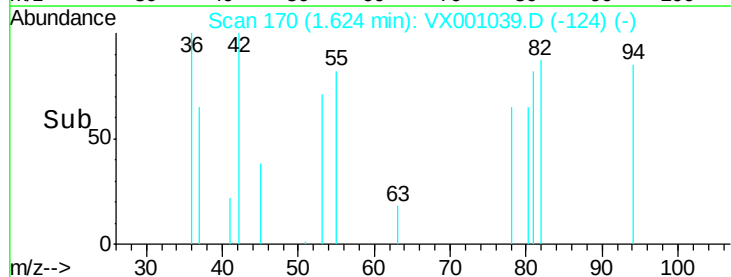
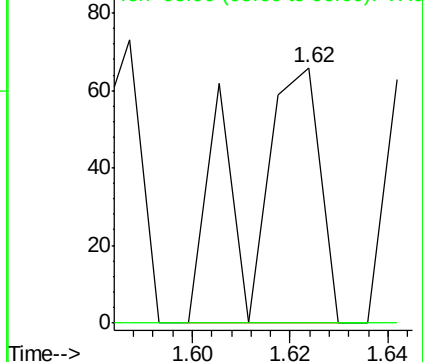
94 100

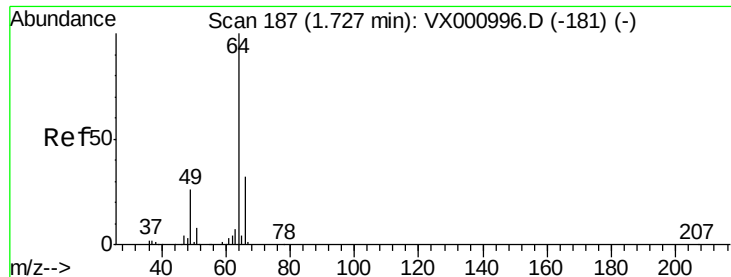
96 0.0 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.51 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.20 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

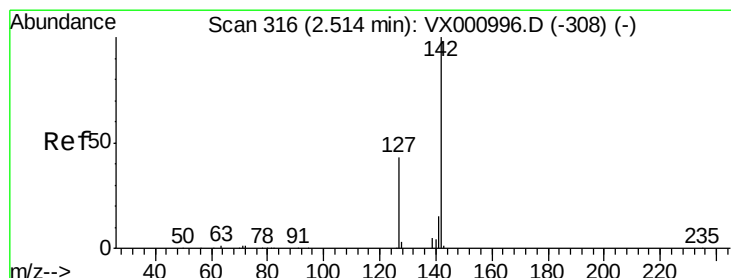
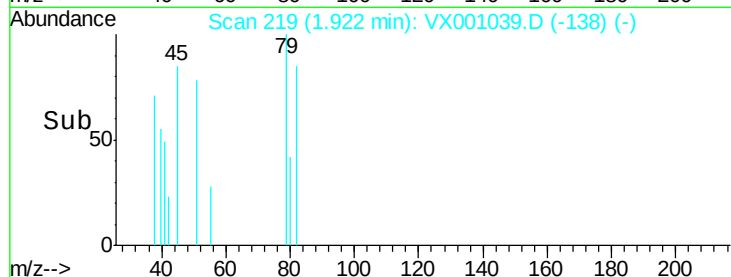
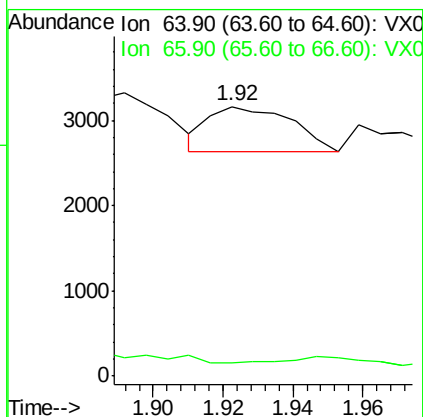
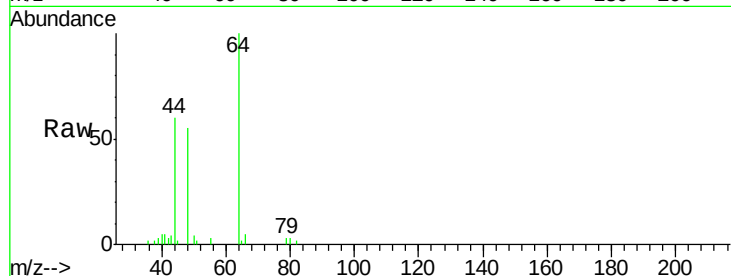
ClientSampleId :

Tot Ion: 64 Resp: 862

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 7.62 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

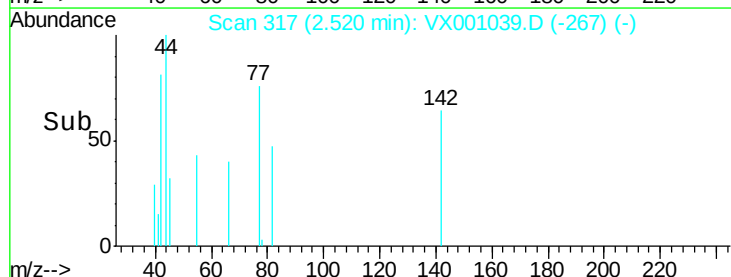
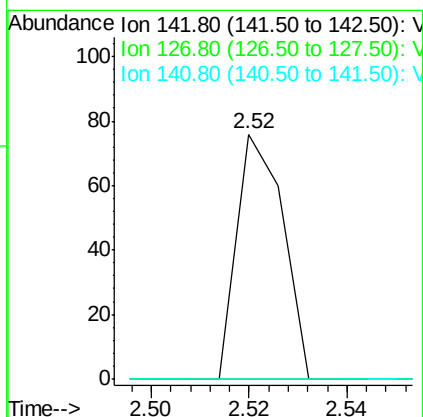
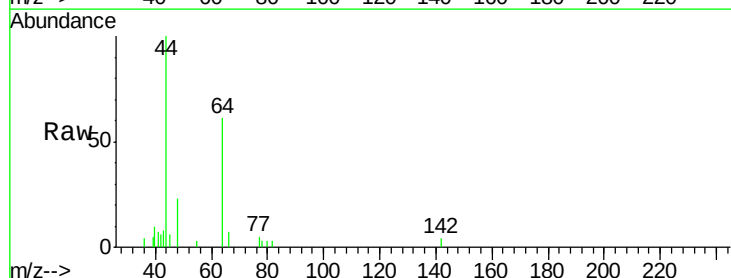
Tgt Ion:142 Resp: 50

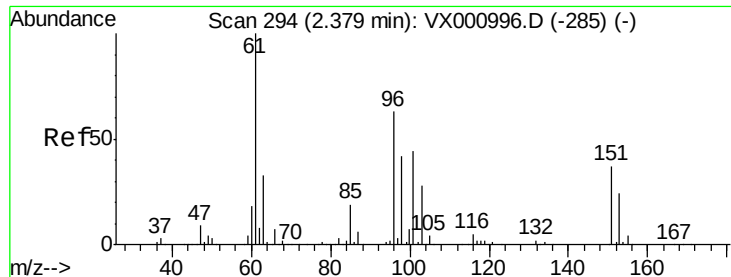
Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

141 0.0 11.4 17.2#

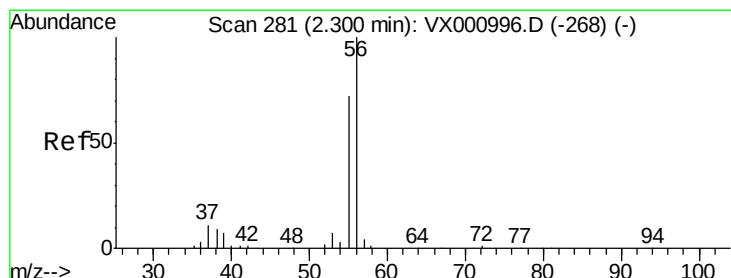
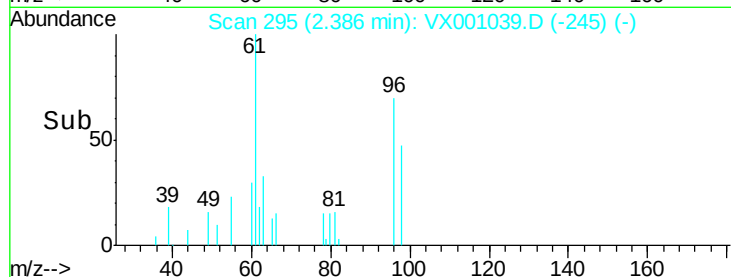
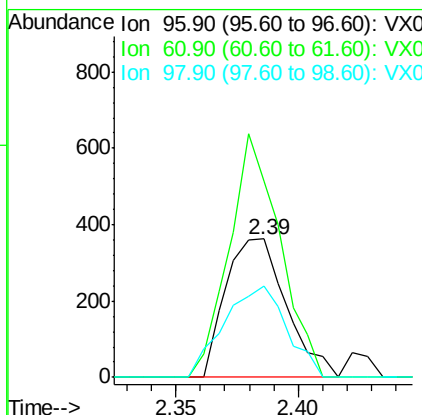
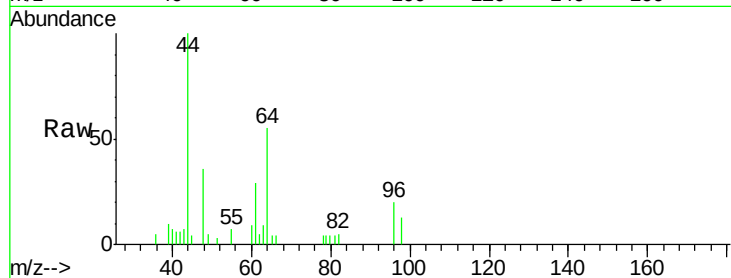




#12
 1,1-Dichloroethene
 Concen: 0.27 ug/l
 RT: 2.39 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VX001039.D
 Acq: 21 Apr 2018 04:59

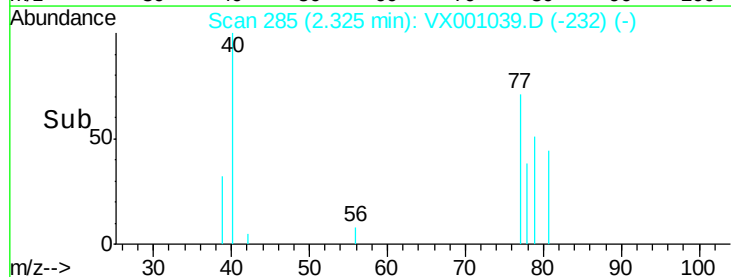
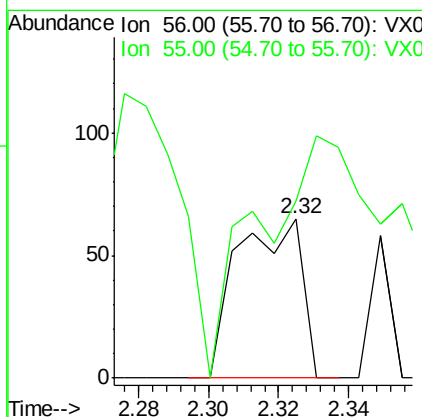
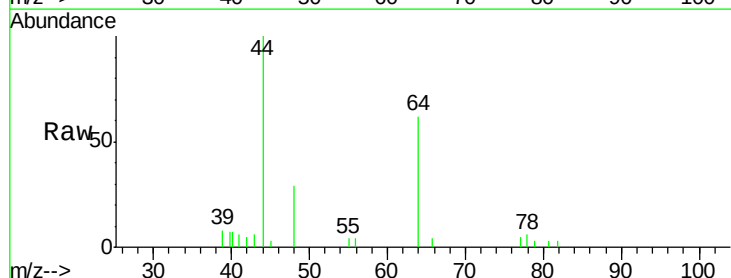
Instrument :
 MSVOA_X
 ClientSampleId :

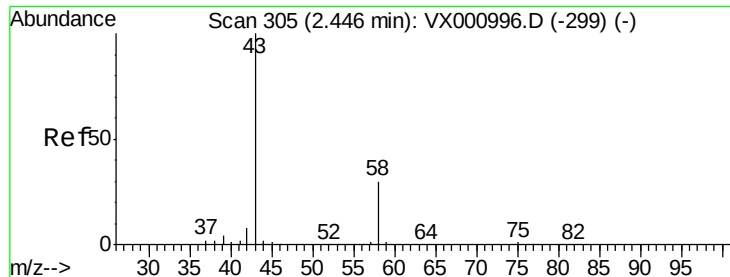
Tot Ion: 96 Resp: 627
 Ion Ratio Lower Upper
 96 100
 61 142.3 126.4 189.6
 98 66.3 52.6 78.8



#13
 Acrolein
 Concen: 11.49 ug/l
 RT: 2.32 min Scan# 285
 Delta R.T. 0.02 min
 Lab File: VX001039.D
 Acq: 21 Apr 2018 04:59

Tgt Ion: 56 Resp: 83
 Ion Ratio Lower Upper
 56 100
 55 315.7 57.4 86.2#





#16

Acetone

Concen: 1.43 ua/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

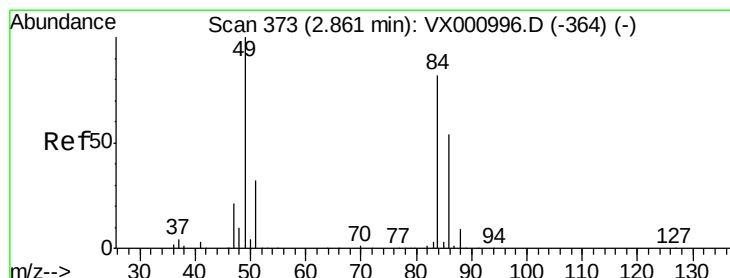
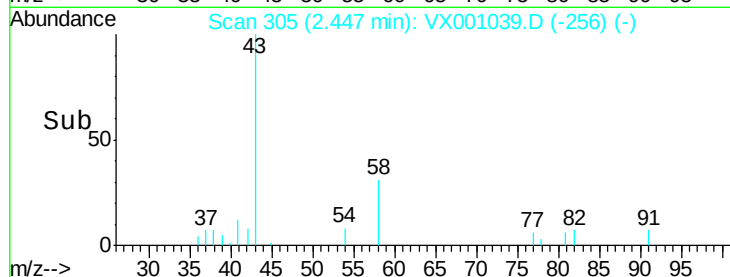
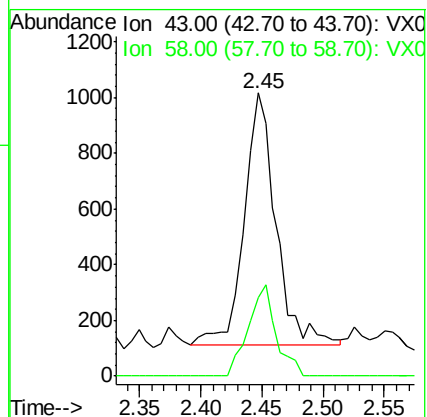
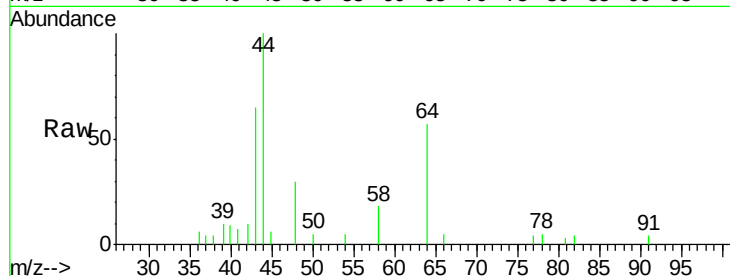
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1625

Ion Ratio Lower Upper

43 100

58 31.2 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Tgt Ion: 84 Resp: 43

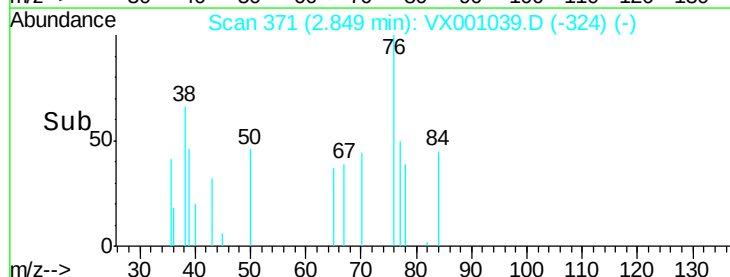
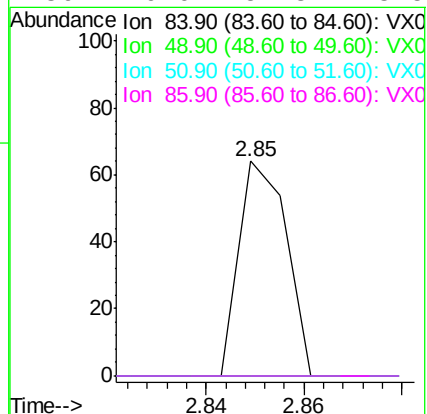
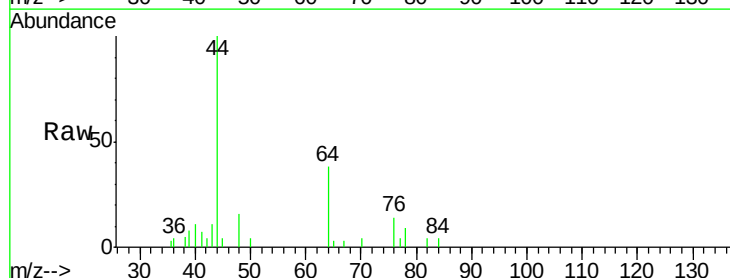
Ion Ratio Lower Upper

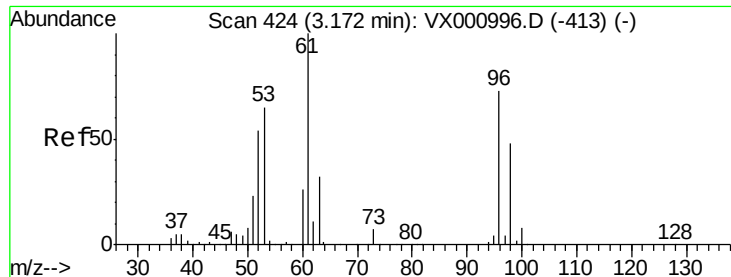
84 100

49 0.0 97.1 145.7#

51 0.0 30.8 46.2#

86 0.0 52.3 78.5#





#21

trans-1,2-Dichloroethene

Concen: 0.30 ug/l

RT: 3.18 min Scan# 425

Delta R.T. 0.01 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

ClientSampled :

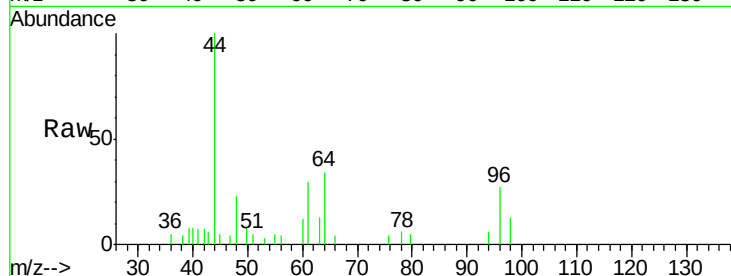
Tot Ion: 96 Resp: 786

Ion Ratio Lower Upper

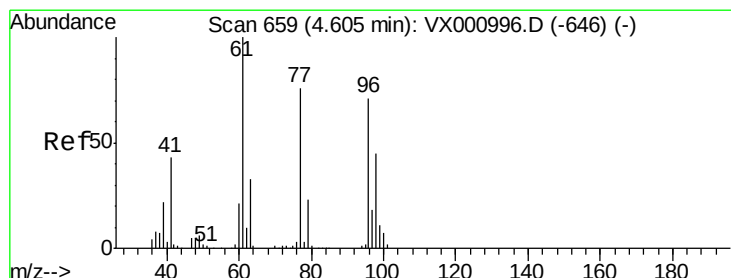
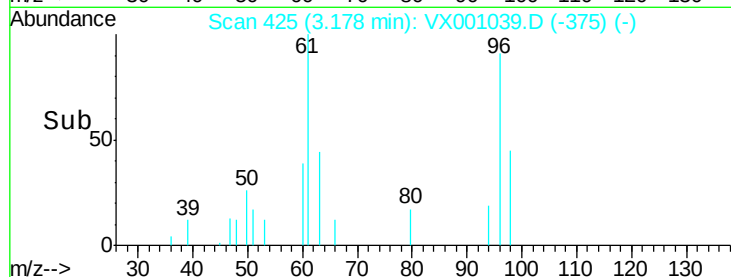
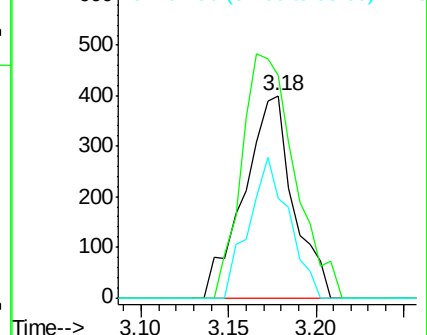
96 100

61 110.3 109.4 164.2

98 49.3 52.6 78.8#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 27.39 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

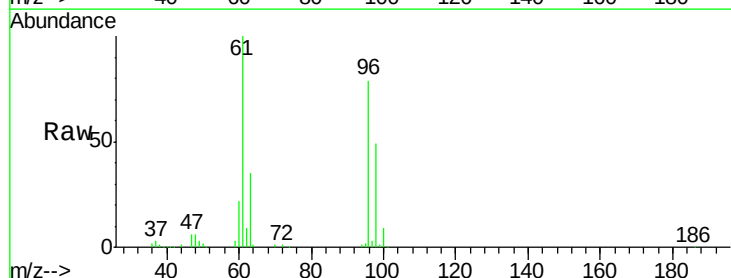
Tgt Ion: 96 Resp: 78718

Ion Ratio Lower Upper

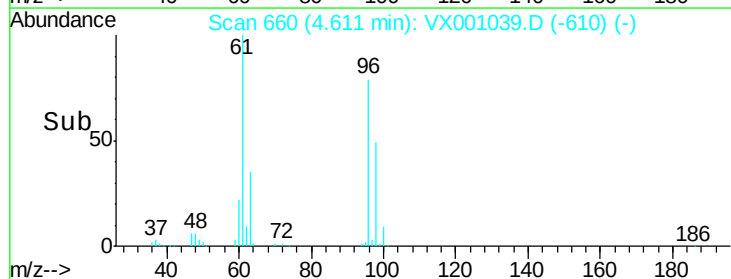
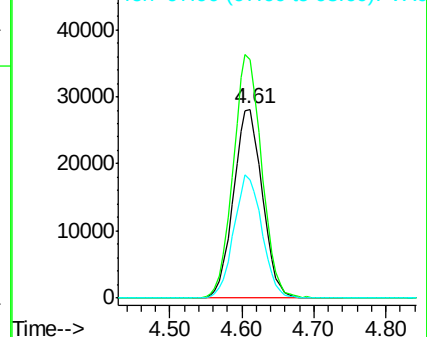
96 100

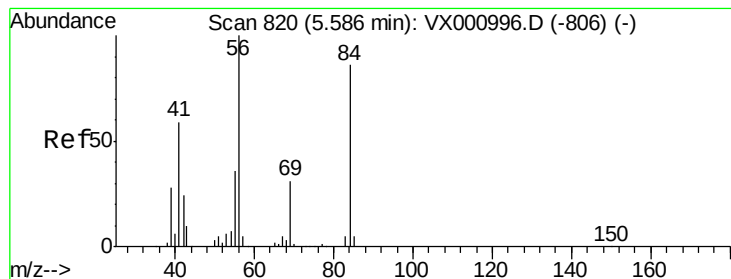
61 126.9 0.0 297.0

98 63.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

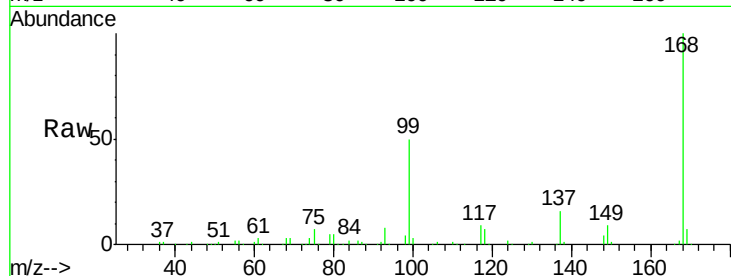
Tot Ion: 56 Resp: 4206

Ion Ratio Lower Upper

56 100

69 166.5 24.6 36.8#

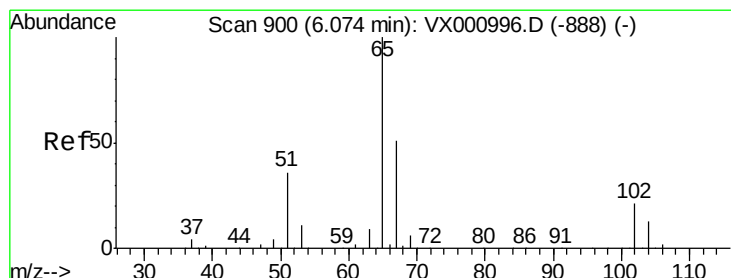
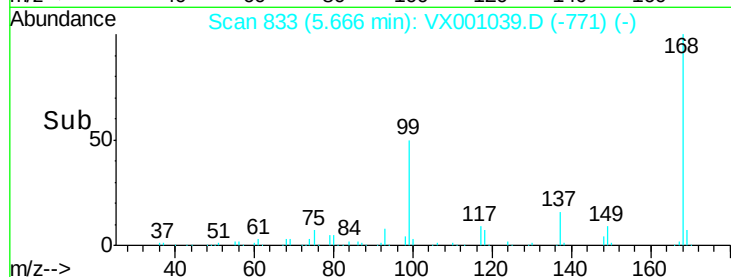
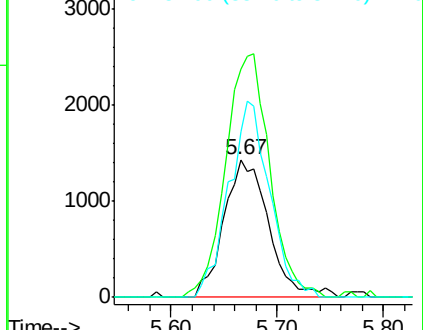
84 120.5 69.0 103.6#



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: 51.70 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001039.D

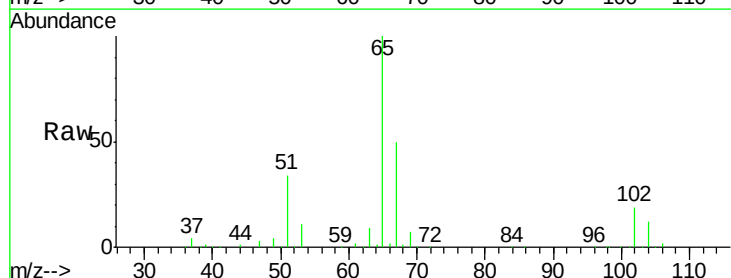
Acq: 21 Apr 2018 04:59

Tgt Ion: 65 Resp: 155891

Ion Ratio Lower Upper

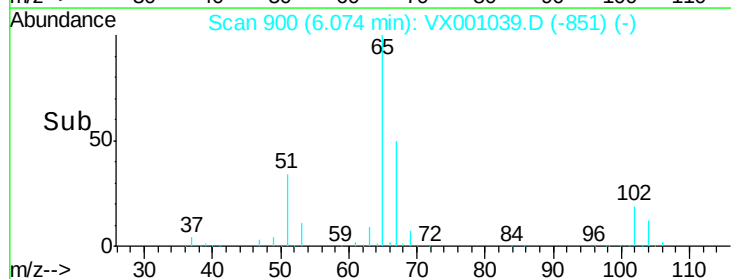
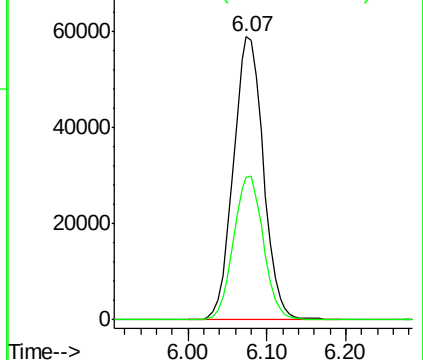
65 100

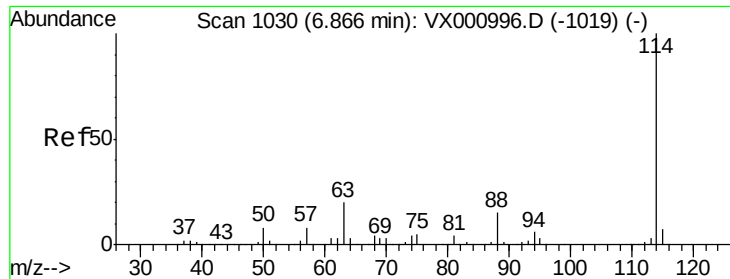
67 50.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

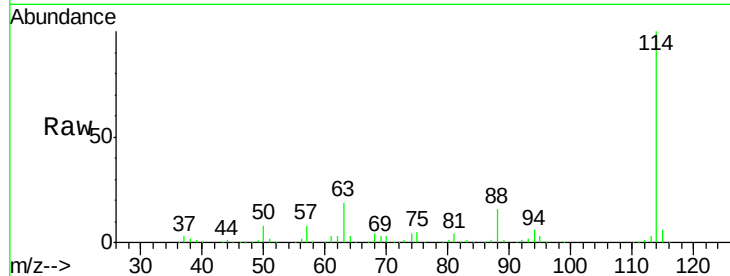




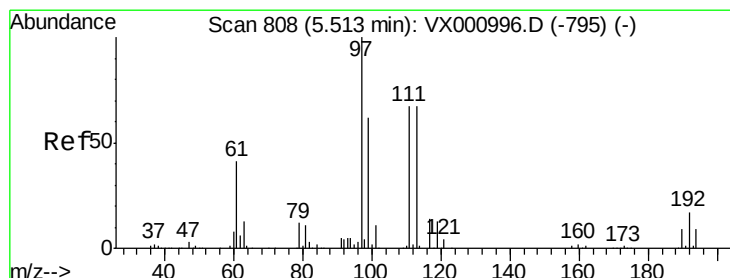
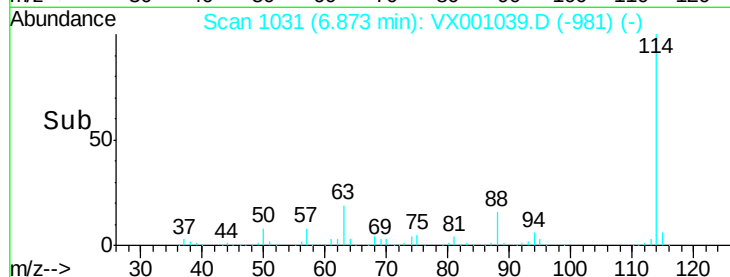
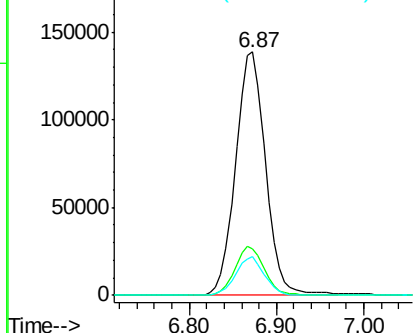
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001039.D
 Acq: 21 Apr 2018 04:59

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 330956
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 15.8 0.0 29.8

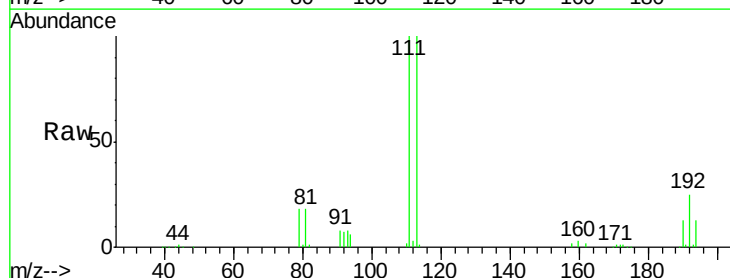


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

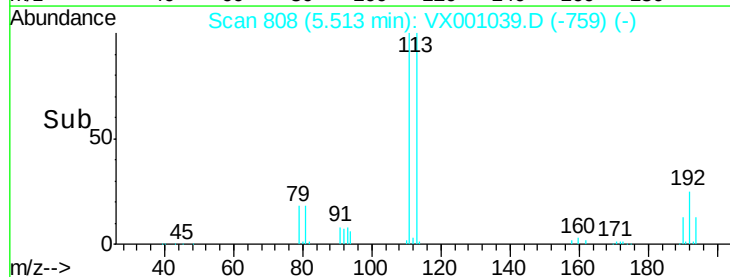
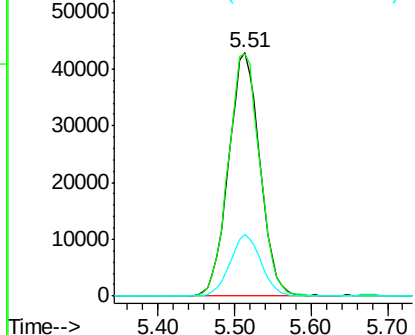


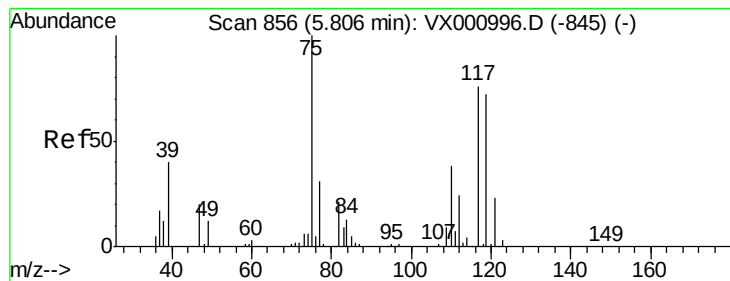
#35
 Dibromofluoromethane
 Concen: 47.93 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001039.D
 Acq: 21 Apr 2018 04:59

Tgt Ion:113 Resp: 120951
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.4 122.2
 192 24.9 20.4 30.6



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: 3.77 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

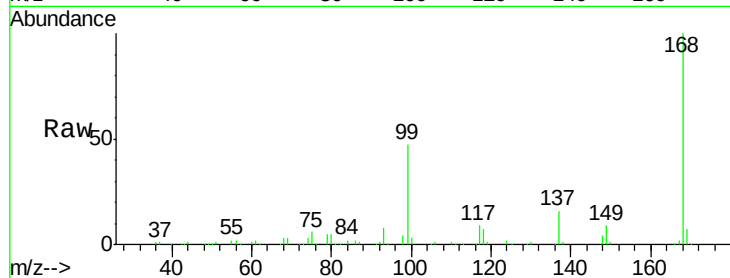
Tot Ion: 75 Resp: 14656

Ion Ratio Lower Upper

75 100

110 10.0 18.7 56.1#

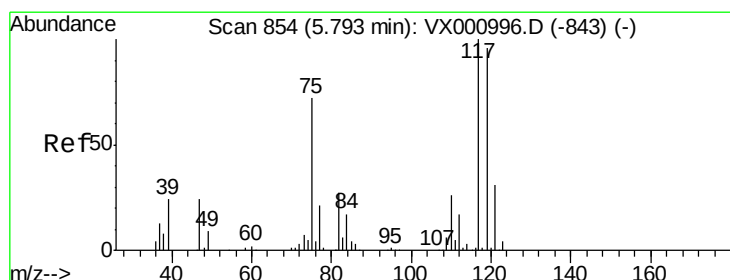
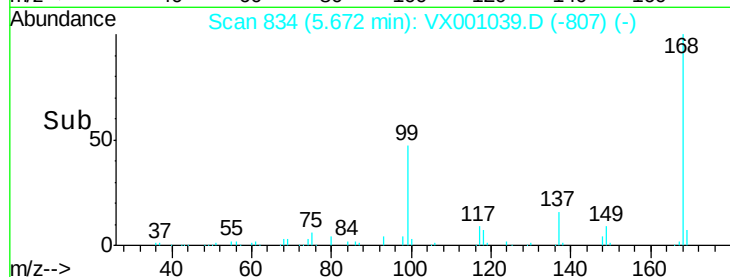
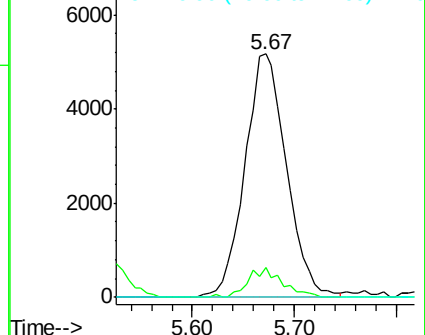
77 0.0 25.0 37.4#



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: 5.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

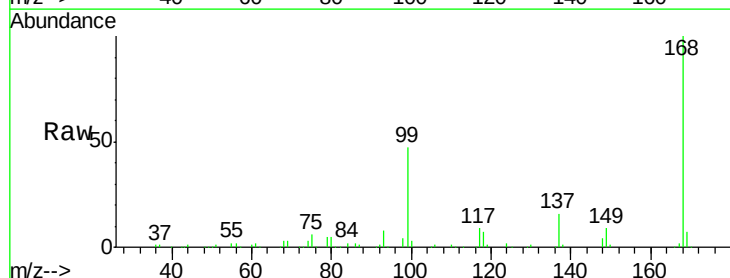
Tgt Ion: 117 Resp: 20360

Ion Ratio Lower Upper

117 100

119 6.6 76.5 114.7#

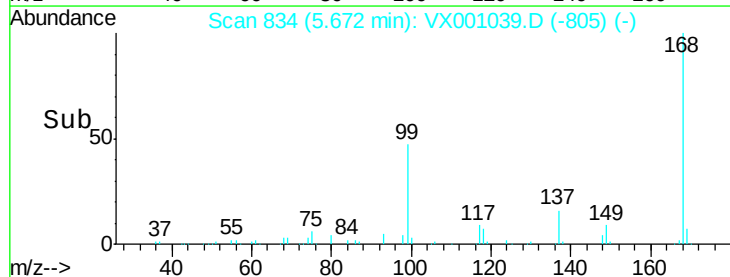
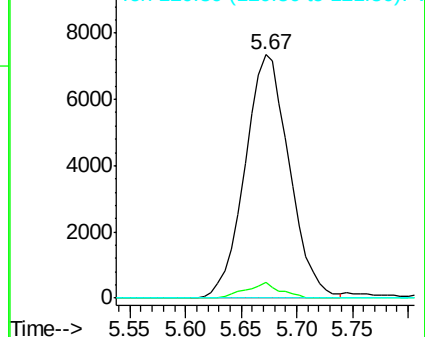
121 0.0 24.5 36.7#

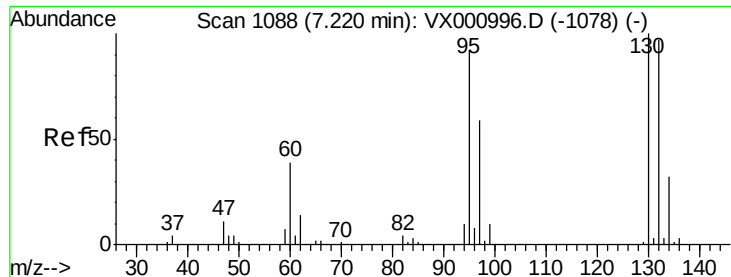


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.30 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

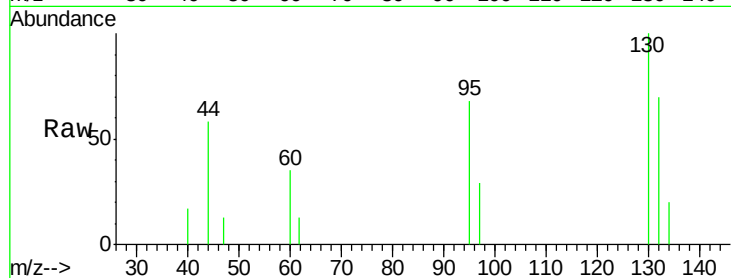
ClientSampleId :

Tot Ion:130 Resp: 996

Ion Ratio Lower Upper

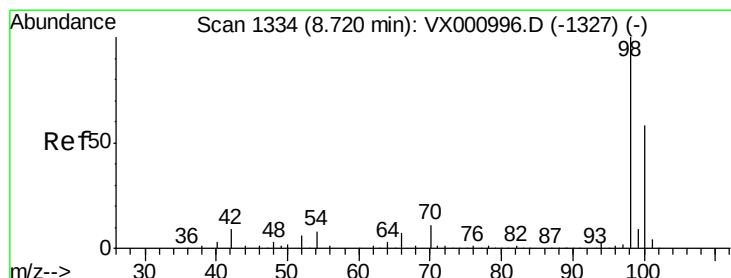
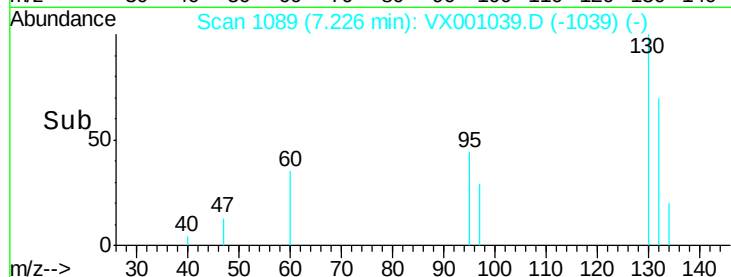
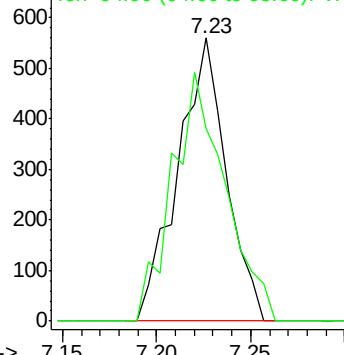
130 100

95 68.0 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.25 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001039.D

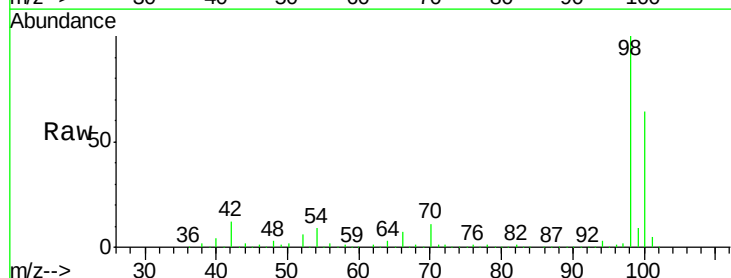
Acq: 21 Apr 2018 04:59

Tgt Ion: 98 Resp: 468886

Ion Ratio Lower Upper

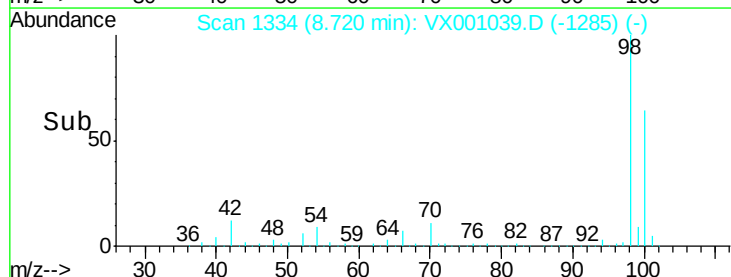
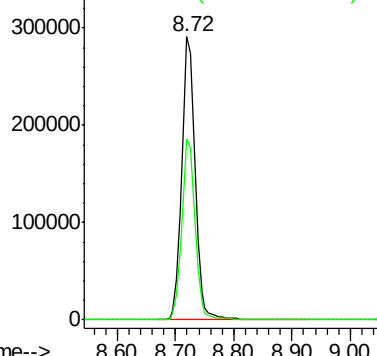
98 100

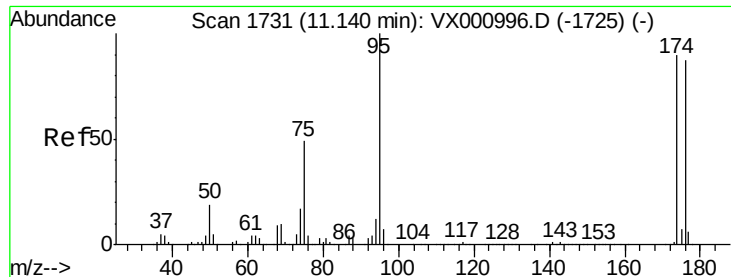
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

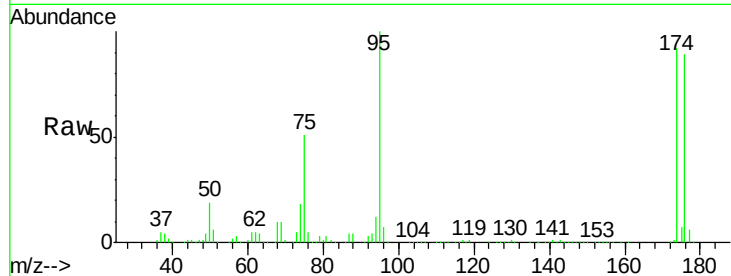




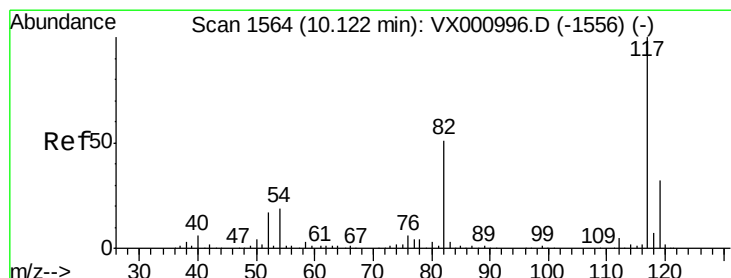
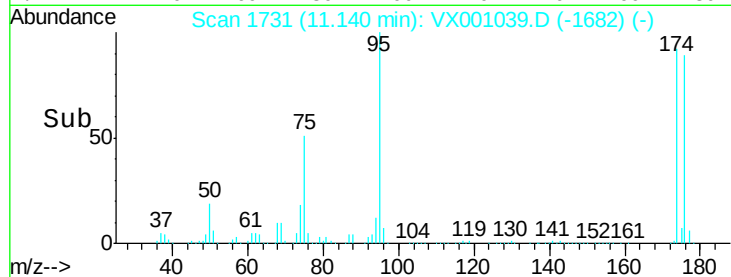
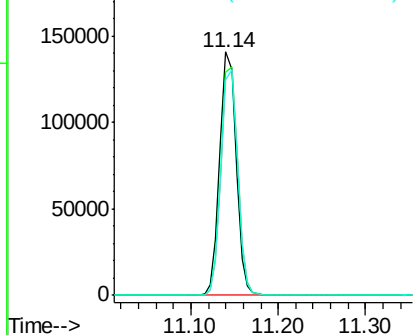
#62
4-Bromofluorobenzene
Concen: 46.68 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001039.D
Acq: 21 Apr 2018 04:59

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 182830
Ion Ratio Lower Upper
95 100
174 95.9 0.0 198.4
176 93.9 0.0 192.0

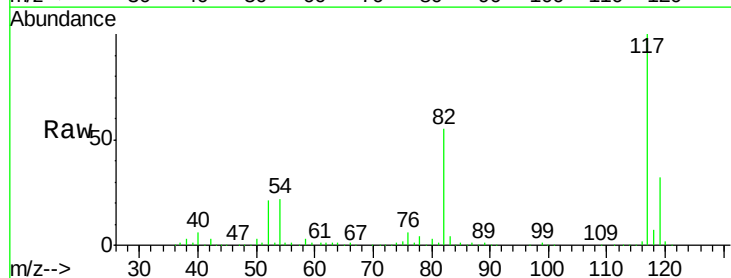


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

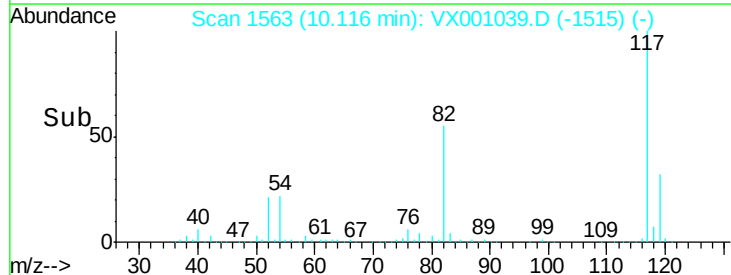
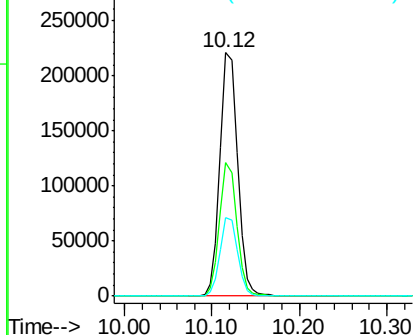


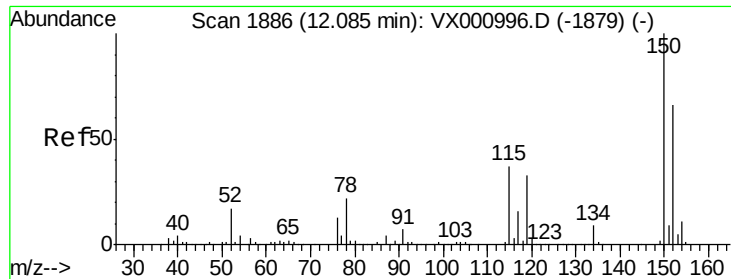
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001039.D
Acq: 21 Apr 2018 04:59

Tgt Ion: 117 Resp: 310486
Ion Ratio Lower Upper
117 100
82 54.8 40.6 60.8
119 32.3 26.0 39.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

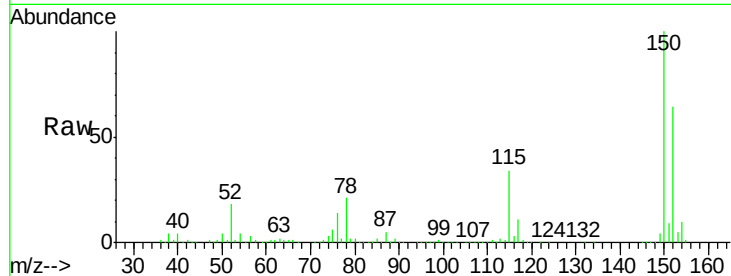
Tot Ion:152 Resp: 204772

Ion Ratio Lower Upper

152 100

115 53.8 38.2 114.6

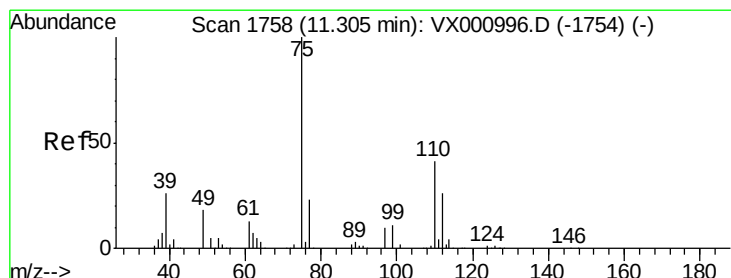
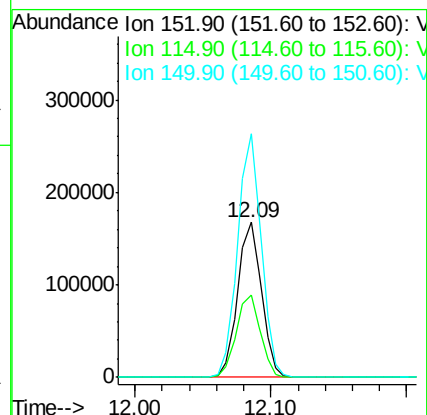
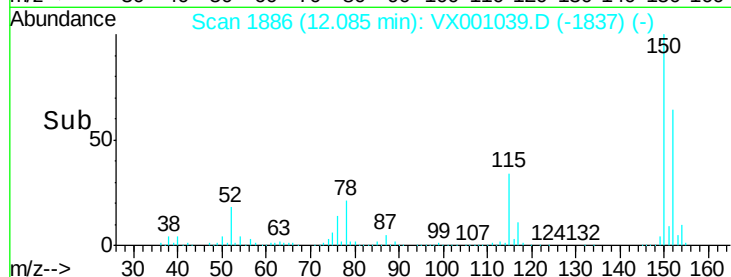
150 155.6 0.0 350.4



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: 25.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001039.D

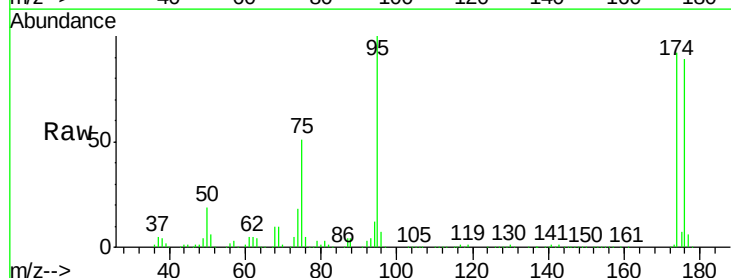
Acq: 21 Apr 2018 04:59

Tgt Ion: 75 Resp: 90680

Ion Ratio Lower Upper

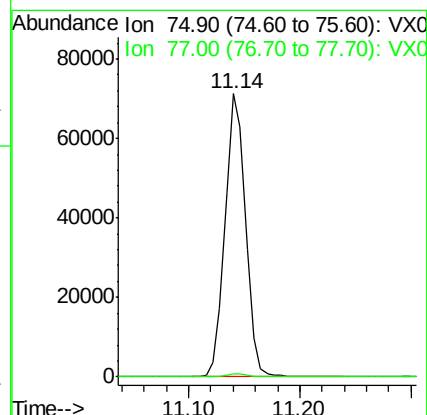
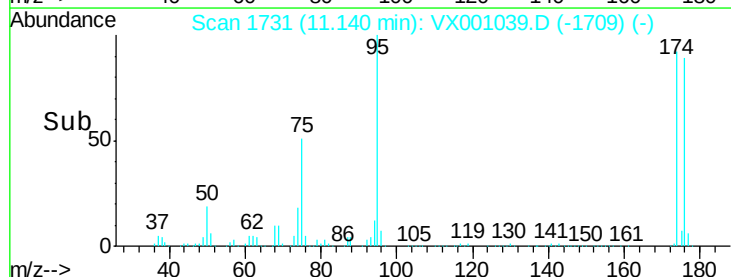
75 100

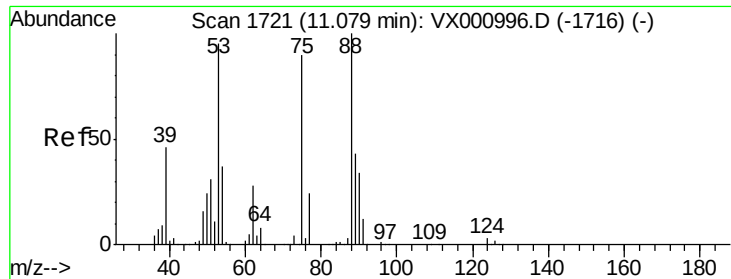
77 1.1 19.6 58.7#



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: 76.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001039.D

Acq: 21 Apr 2018 04:59

Instrument :

MSVOA_X

ClientSampleId :

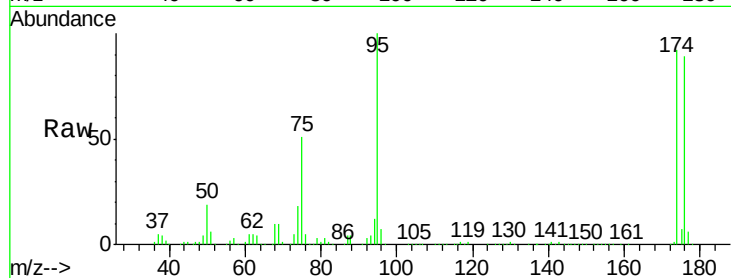
Tot Ion: 75 Resp: 90680

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



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

