

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001125.D
 Acq On : 25 Apr 2018 17:47
 Operator : JC/MD
 Sample : J2464-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:37:39 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	231249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	161041	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	175262	59.79	ug/l	0.00
Spiked Amount			Recovery	=	119.58%	
35) Dibromofluoromethane	5.51	113	131950	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
50) Toluene-d8	8.72	98	503669	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
62) 4-Bromofluorobenzene	11.14	95	176539	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

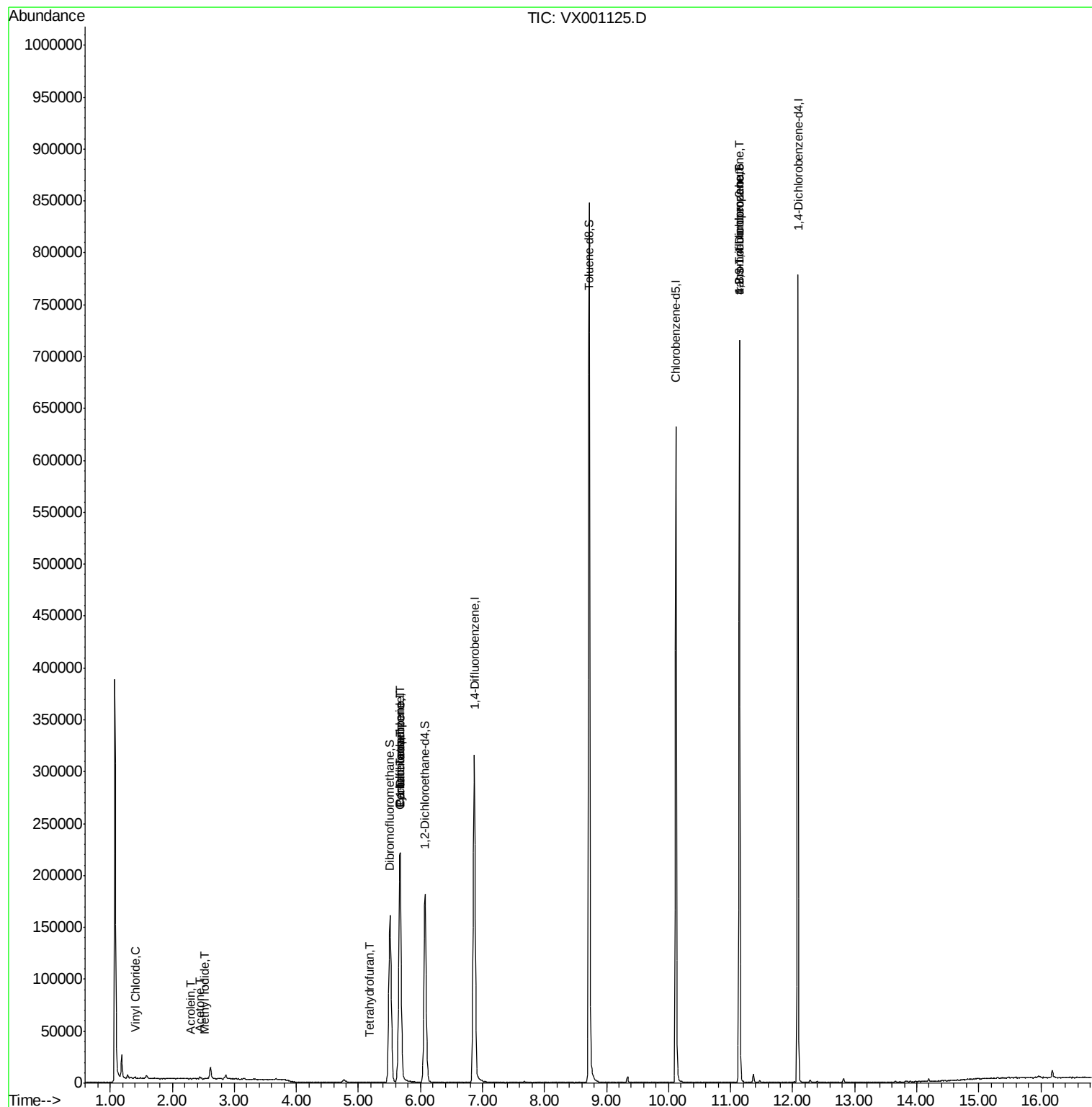
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	699	0.253	ug/l #	79
5) Bromomethane	1.65	94	316	Below Cal	#	74
10) Methyl Iodide	2.52	142	187	7.666	ug/l #	58
13) Acrolein	2.31	56	71	11.427	ug/l #	1
16) Acetone	2.45	43	1969	1.784	ug/l	96
20) Methylene Chloride	2.86	84	1690	Below Cal		95
29) Tetrahydrofuran	5.18	42	441	0.405	ug/l #	49
31) Cyclohexane	5.66	56	4135	1.001	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15074	3.989	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20335	5.315	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	89964	32.199	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	89964	95.641	ug/l #	8

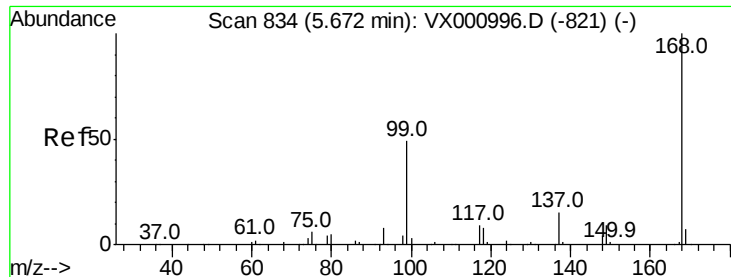
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 20 05:03:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

Instrument :

MSVOA_X

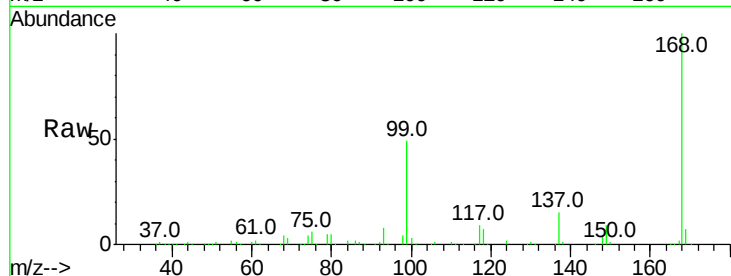
ClientSampled :

Tot Ion:168 Resp: 231249

Ion Ratio Lower Upper

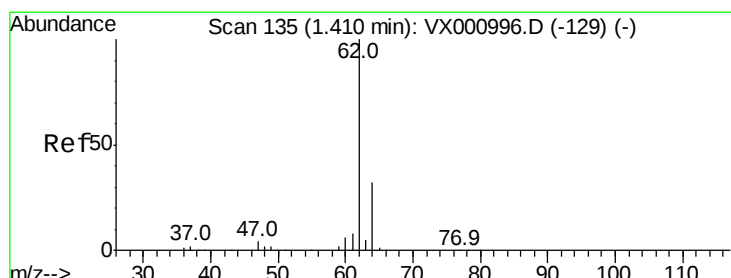
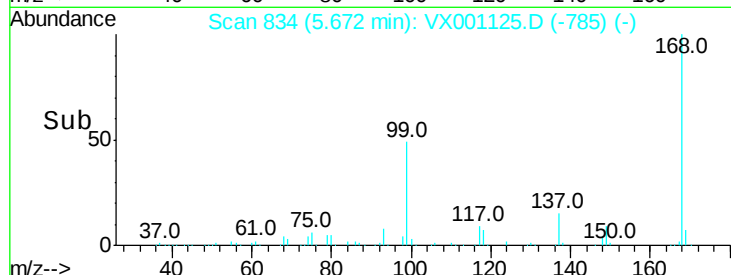
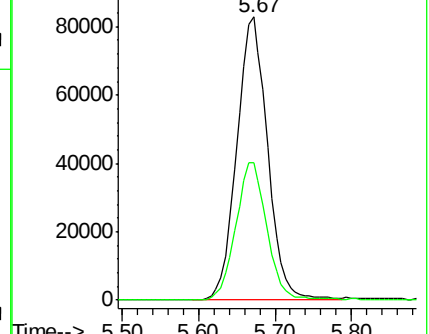
168 100

99 48.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.253 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001125.D

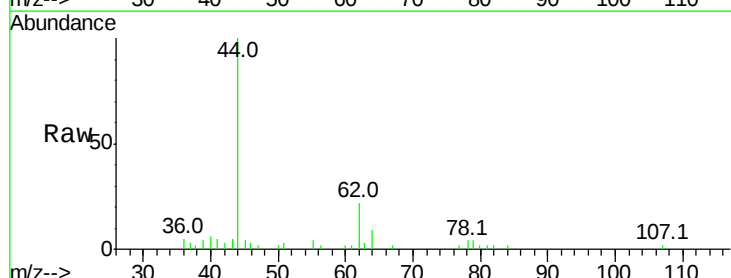
Acq: 25 Apr 2018 17:47

Tgt Ion: 62 Resp: 699

Ion Ratio Lower Upper

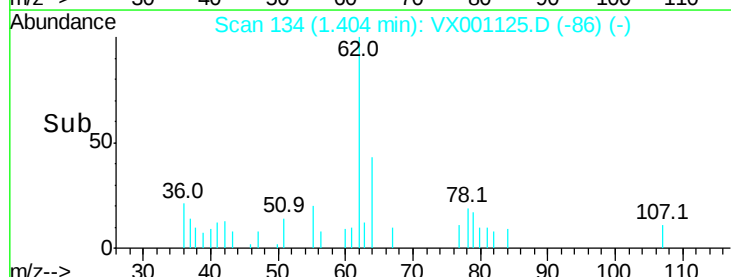
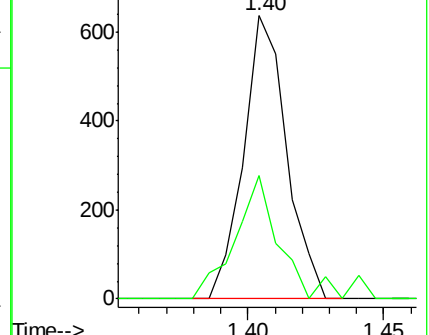
62 100

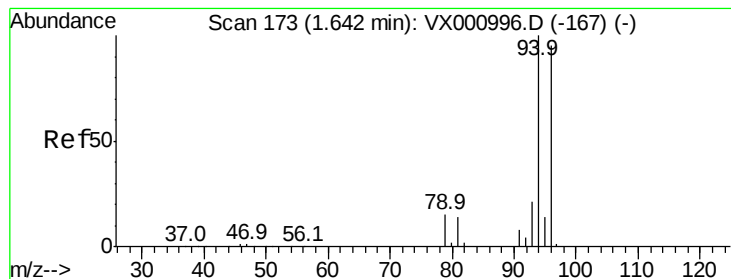
64 43.5 25.6 38.4#



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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

Instrument :

MSVOA_X

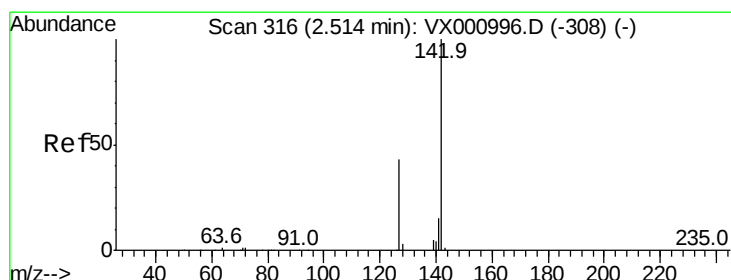
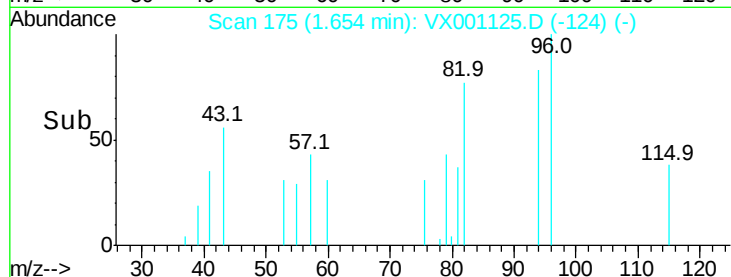
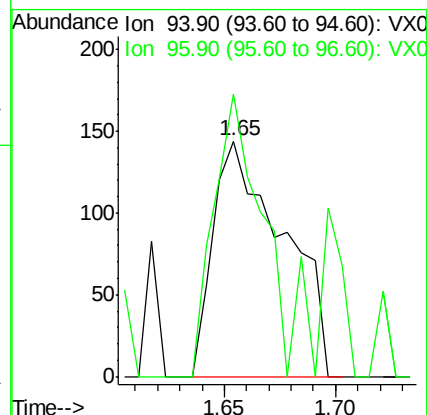
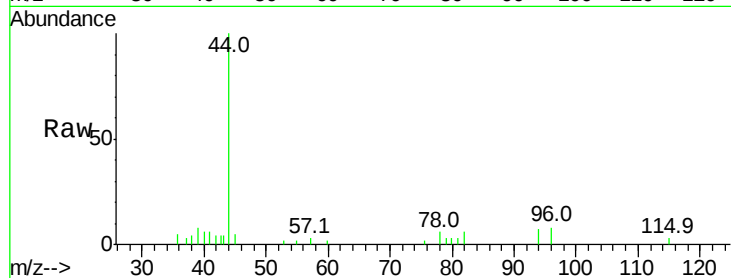
ClientSampled :

Tot Ion: 94 Resp: 316

Ion Ratio Lower Upper

94 100

96 120.1 76.0 114.0#



#10

Methyl Iodide

Concen: 7.666 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

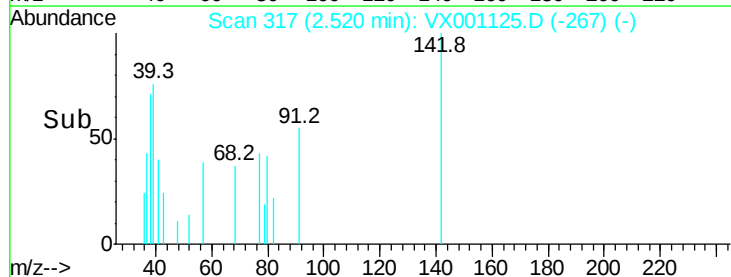
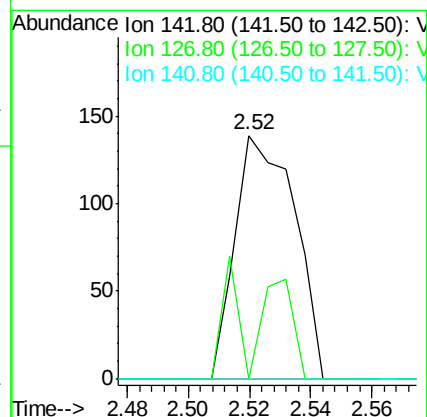
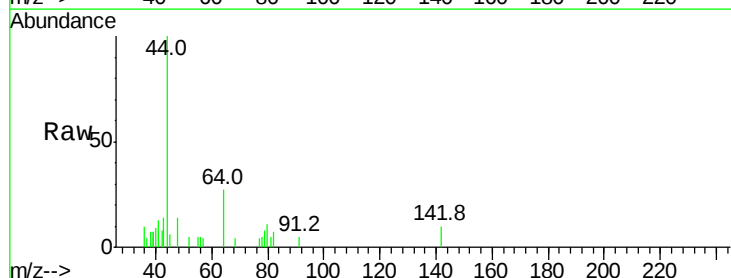
Tgt Ion: 142 Resp: 187

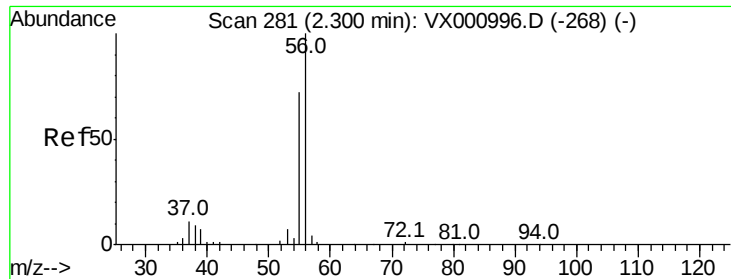
Ion Ratio Lower Upper

142 100

127 13.9 34.0 51.0#

141 0.0 11.4 17.2#





#13

Acrolein

Concen: 11.427 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

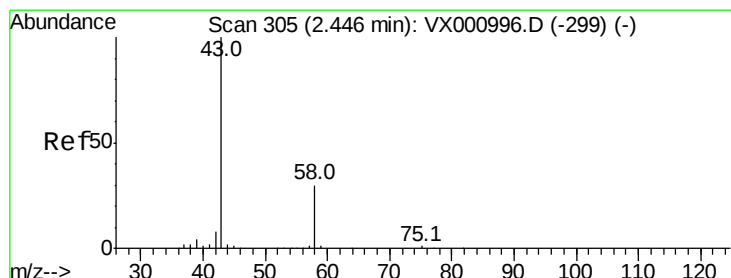
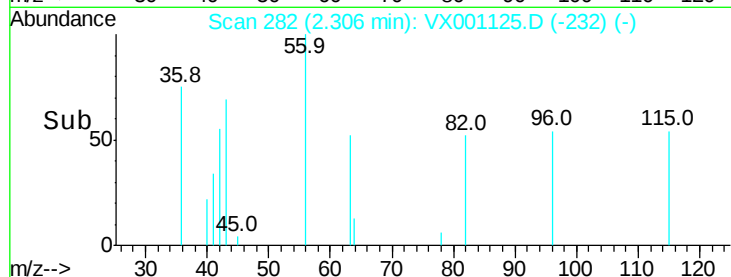
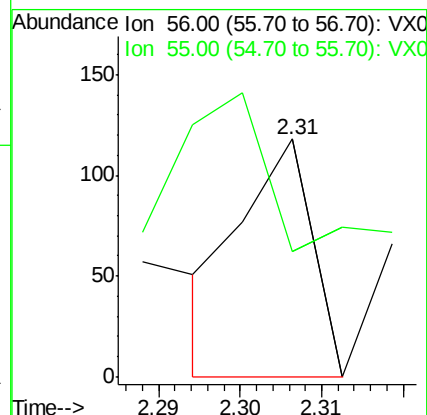
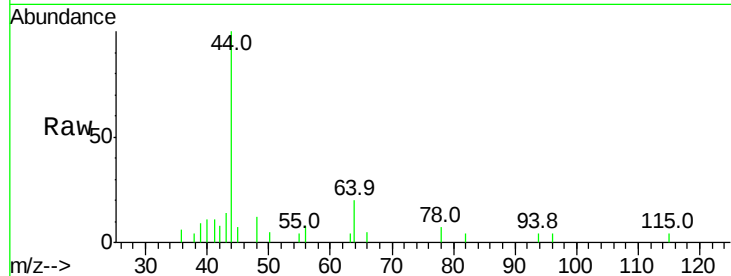
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 332.4 57.4 86.2#



#16

Acetone

Concen: 1.784 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001125.D

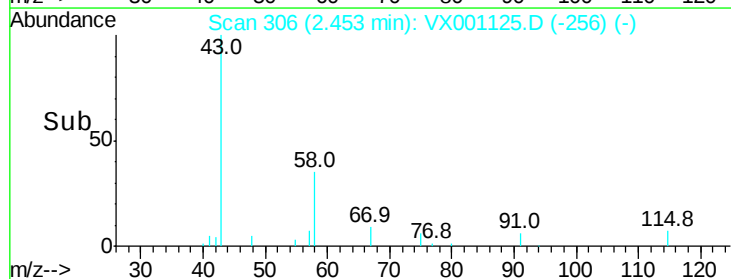
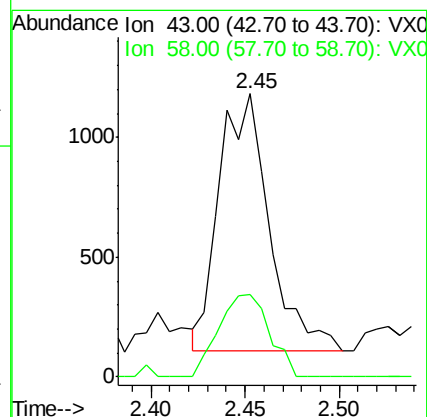
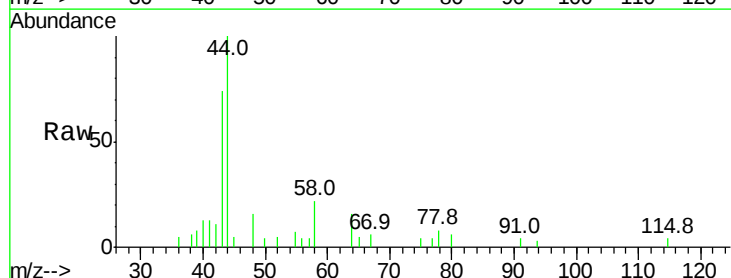
Acq: 25 Apr 2018 17:47

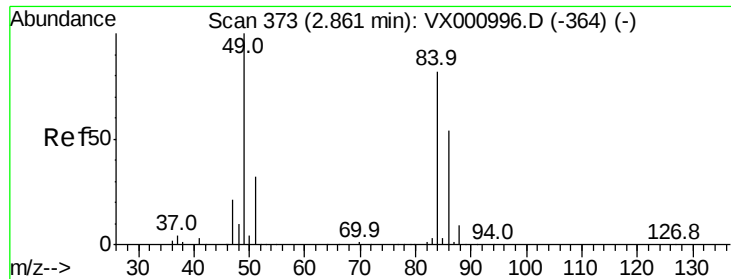
Tgt Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

58 31.9 23.7 35.5





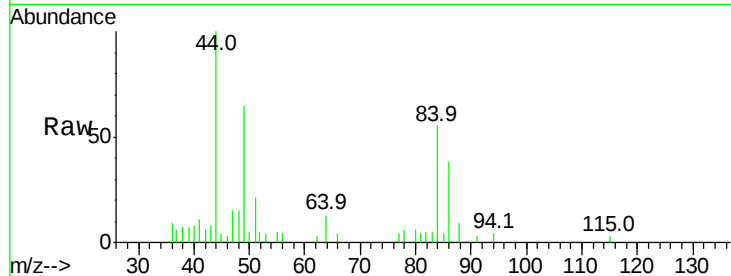
#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001125.D
 Acq: 25 Apr 2018 17:47

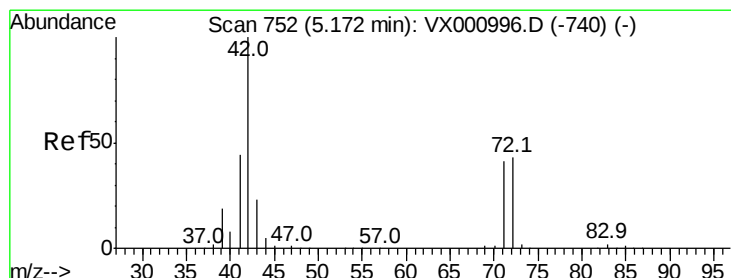
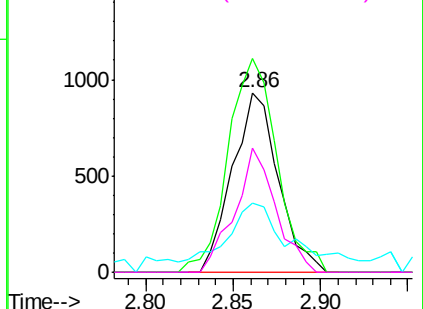
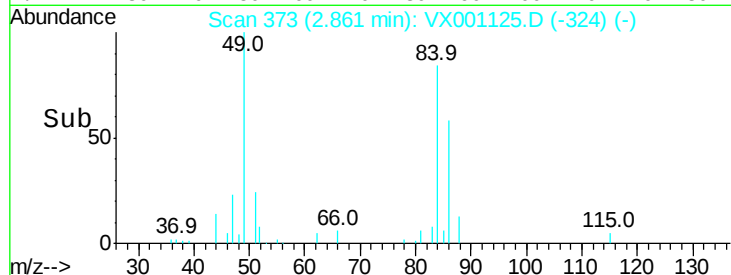
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 84 Resp: 1690

Ion	Ratio	Lower	Upper
84	100		
49	119.0	97.1	145.7
51	31.2	30.8	46.2
86	69.3	52.3	78.5



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

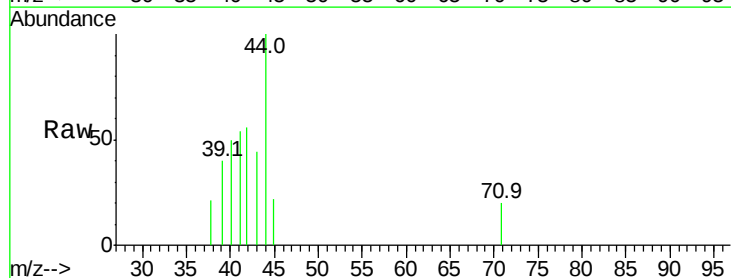


#29

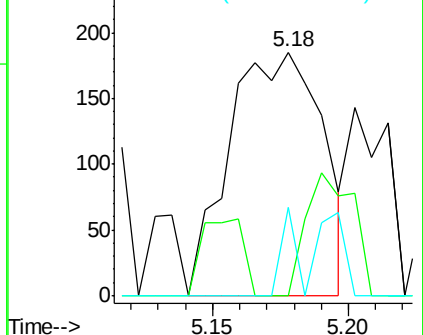
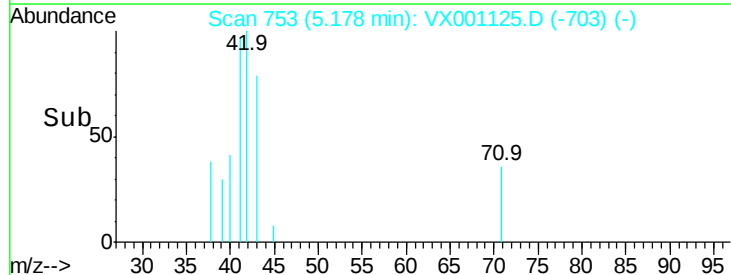
Tetrahydrofuran
 Concen: 0.405 ug/l
 RT: 5.18 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: VX001125.D
 Acq: 25 Apr 2018 17:47

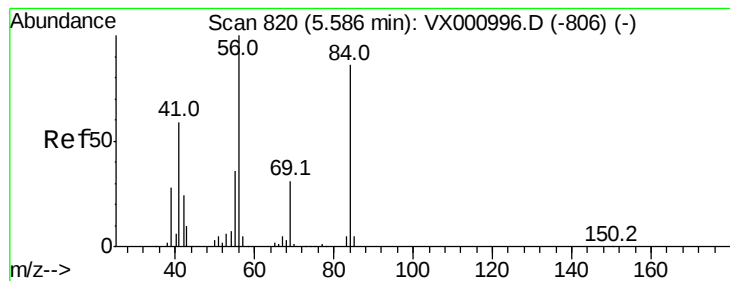
Tgt Ion: 42 Resp: 441

Ion	Ratio	Lower	Upper
42	100		
72	13.8	34.6	52.0#
71	5.4	32.6	49.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.001 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.07 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

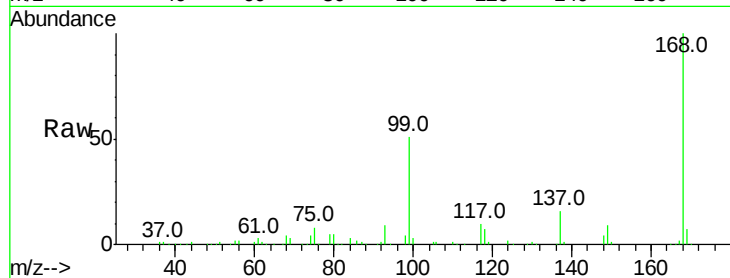
Tot Ion: 56 Resp: 4135

Ion Ratio Lower Upper

56 100

69 153.8 24.6 36.8#

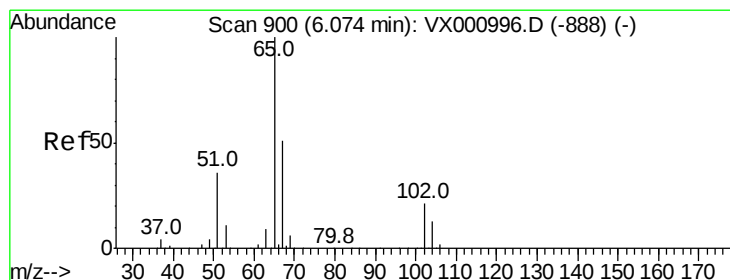
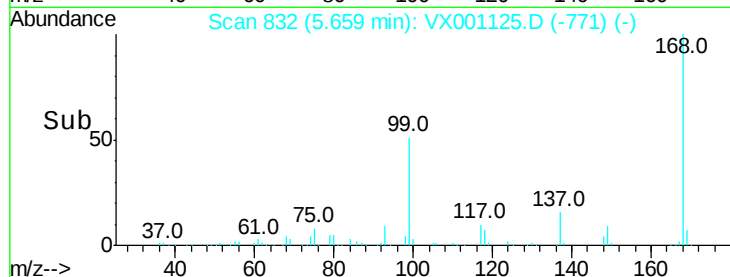
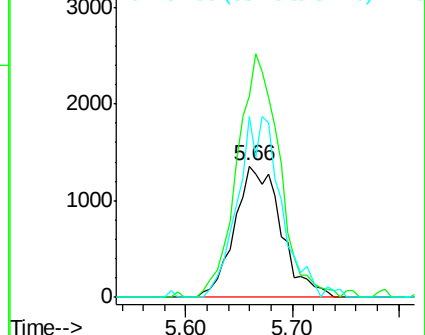
84 137.7 69.0 103.6#



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: 59.788 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001125.D

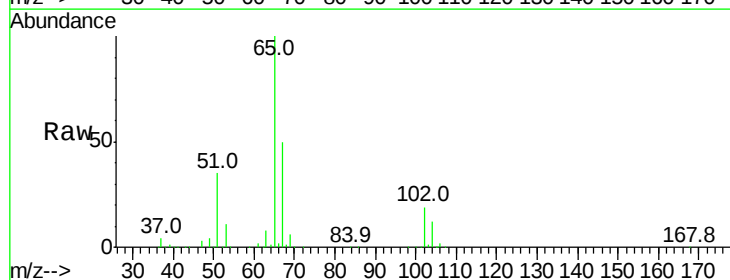
Acq: 25 Apr 2018 17:47

Tgt Ion: 65 Resp: 175262

Ion Ratio Lower Upper

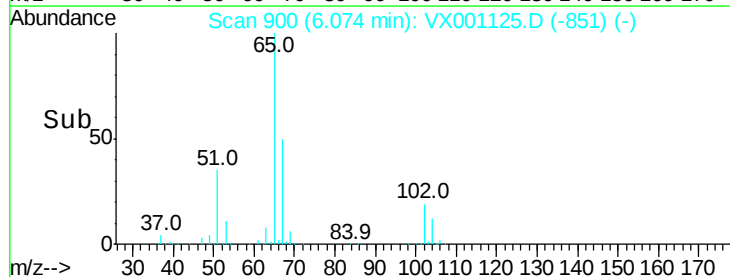
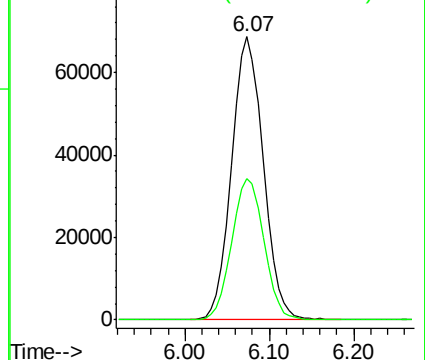
65 100

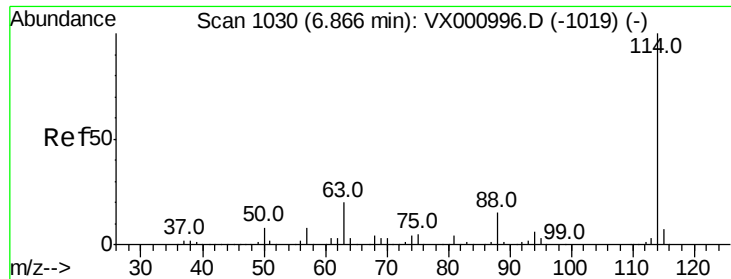
67 50.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

Instrument :

MSVOA_X

ClientSampleId :

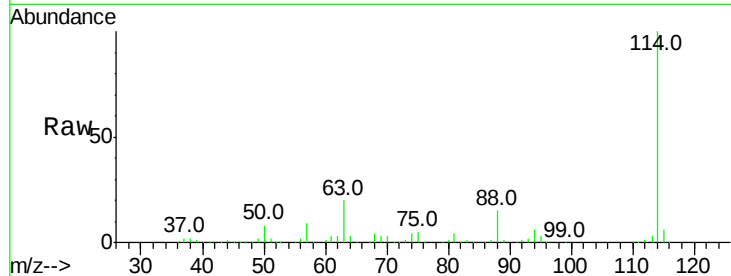
Tot Ion:114 Resp: 321534

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

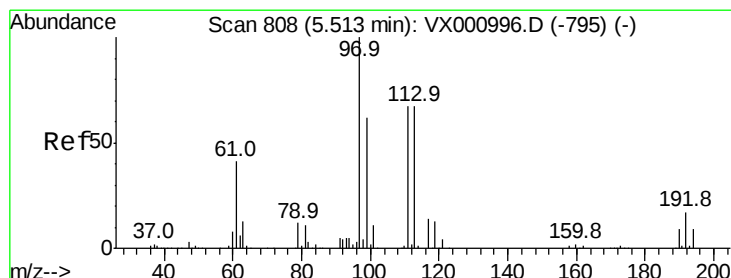
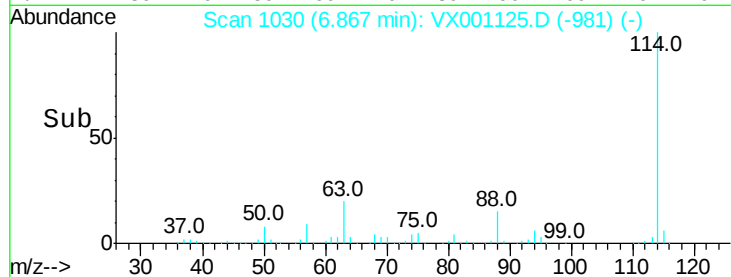
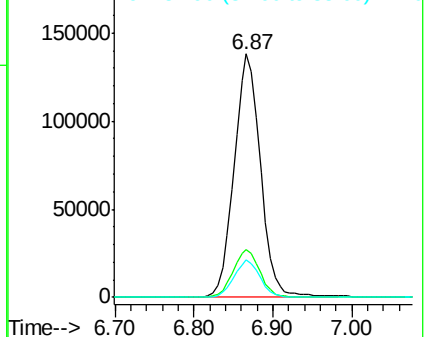
88 15.5 0.0 29.8



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: 53.817 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

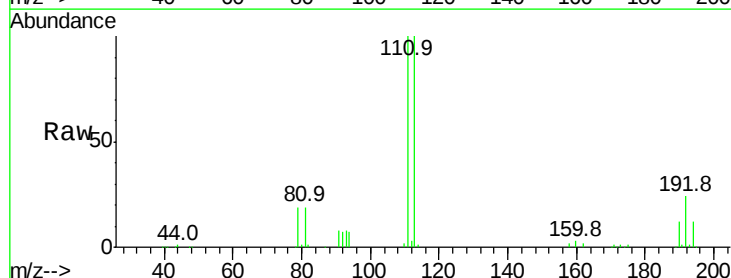
Tgt Ion:113 Resp: 131950

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

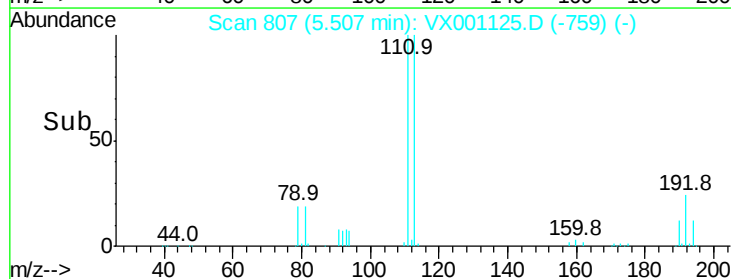
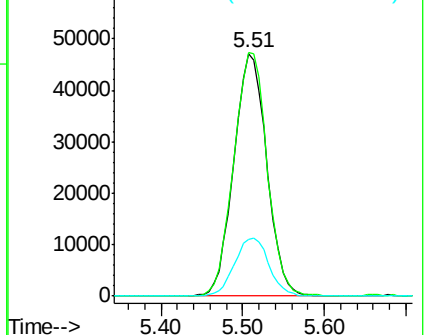
192 24.9 20.4 30.6

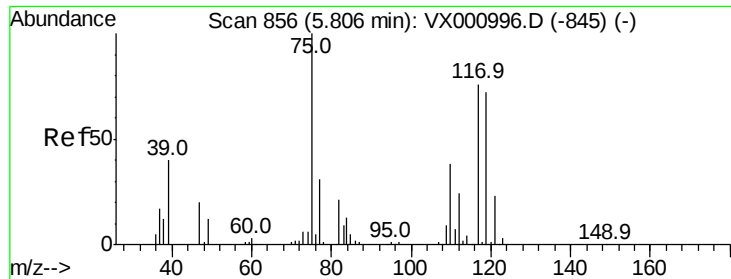


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

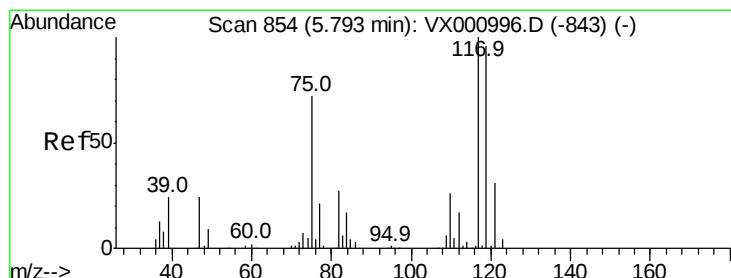
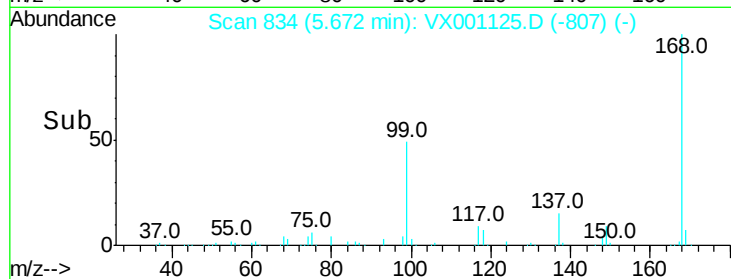
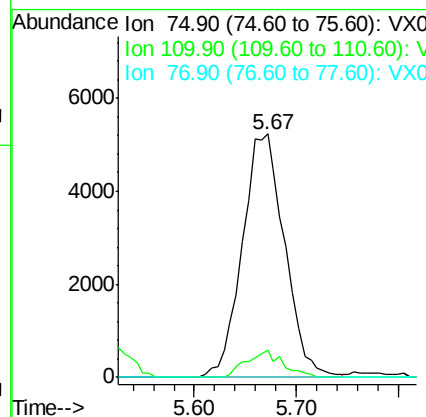
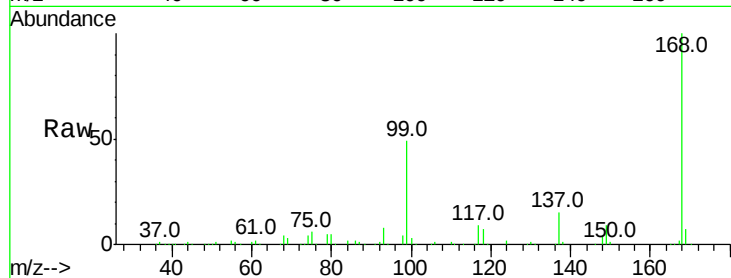




#36
 1,1-Dichloropropene
 Concen: 3.989 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001125.D
 Acq: 25 Apr 2018 17:47

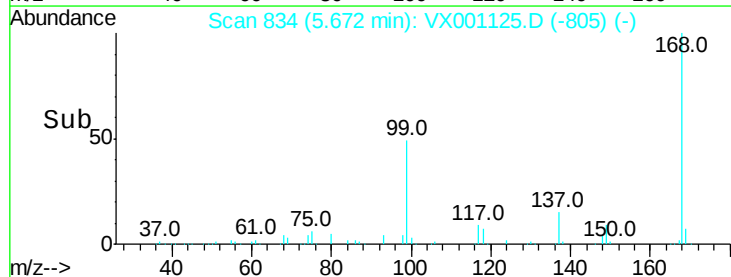
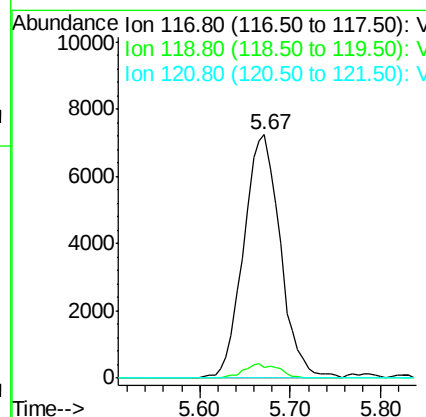
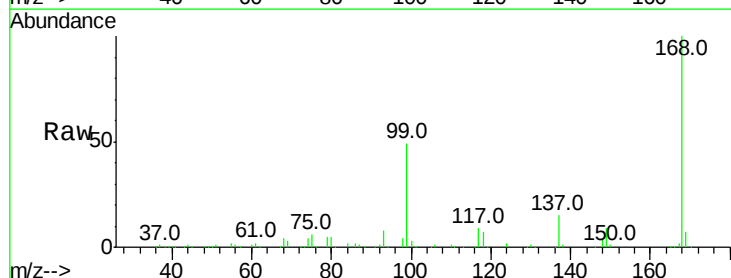
Instrument :
 MSVOA_X
 ClientSampleId :

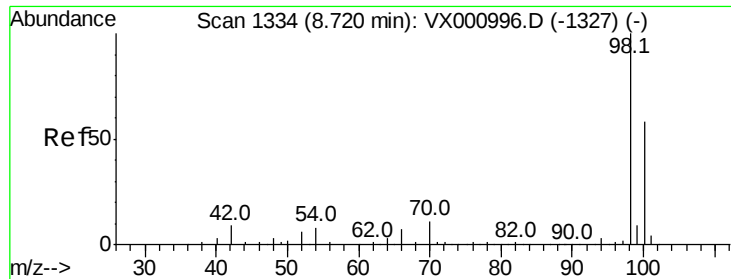
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.7	56.1#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.315 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001125.D
 Acq: 25 Apr 2018 17:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.5	114.7#
121	0.0	24.5	36.7#

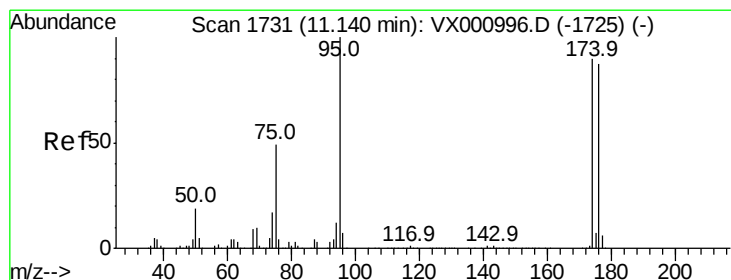
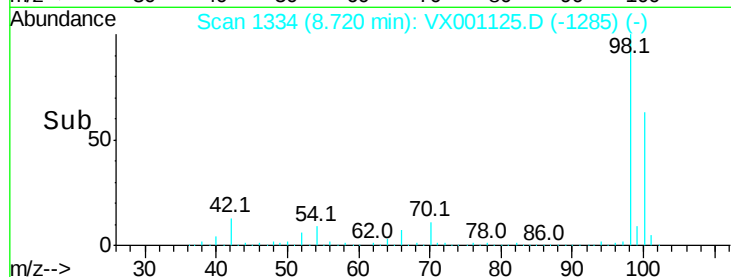
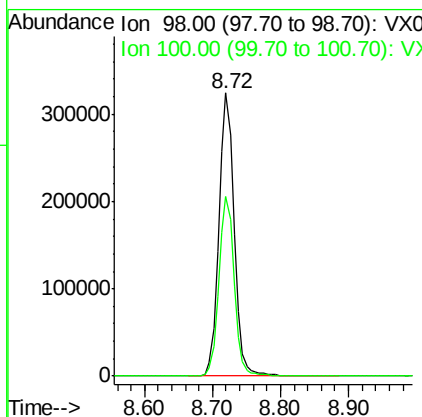
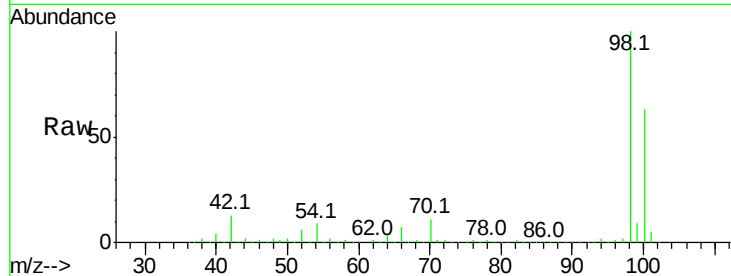




#50
Toluene-d8
Concen: 55.556 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001125.D
Acq: 25 Apr 2018 17:47

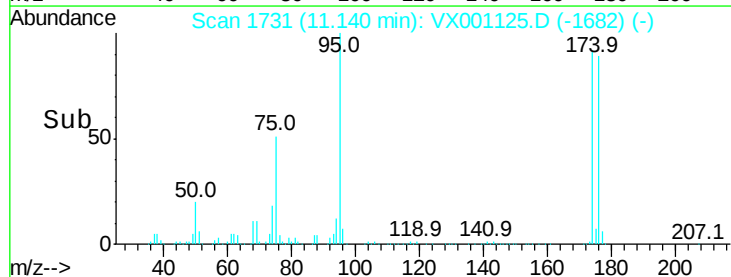
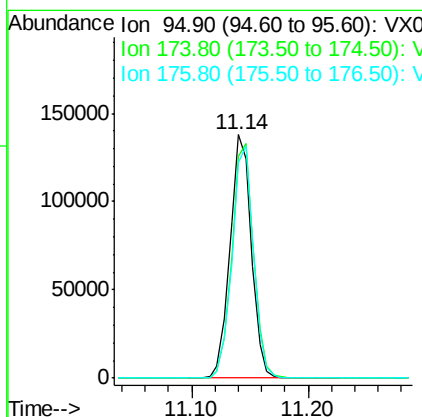
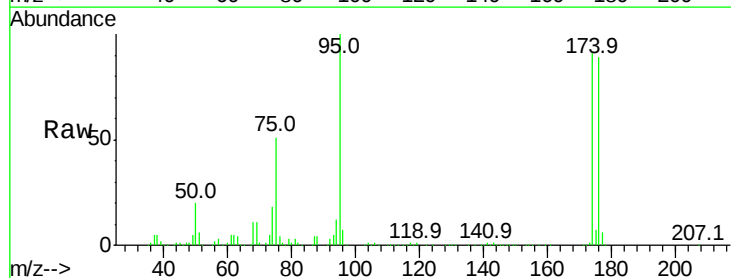
Instrument :
MSVOA_X
ClientSampleId :

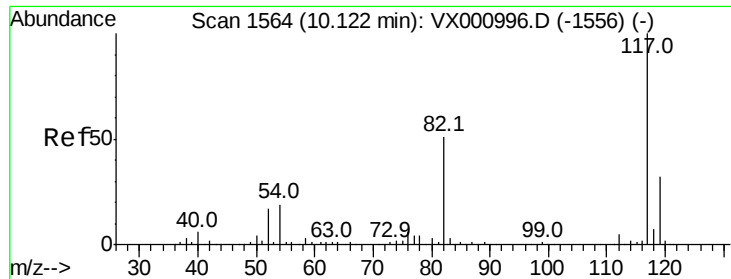
Tot Ion: 98 Resp: 503669
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.399 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001125.D
Acq: 25 Apr 2018 17:47

Tgt Ion: 95 Resp: 176539
Ion Ratio Lower Upper
95 100
174 97.6 0.0 198.4
176 95.3 0.0 192.0

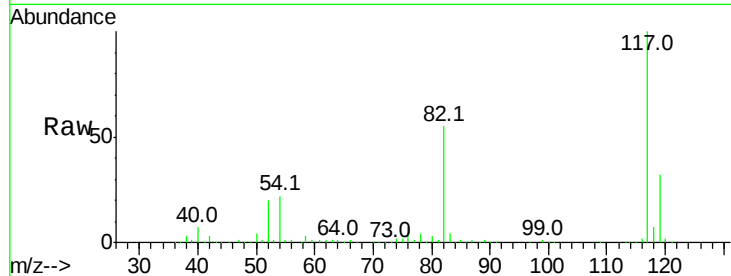




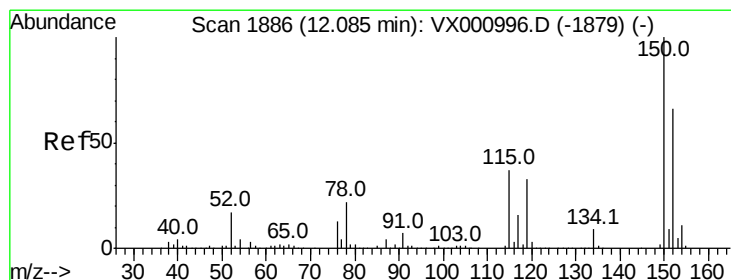
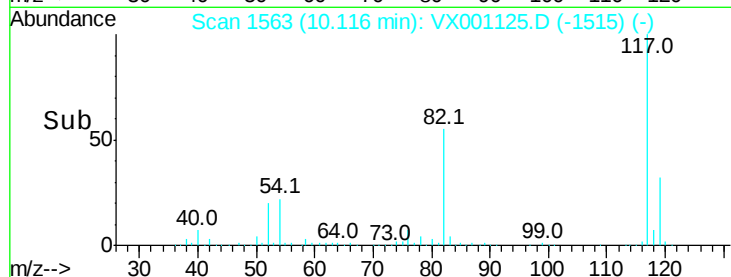
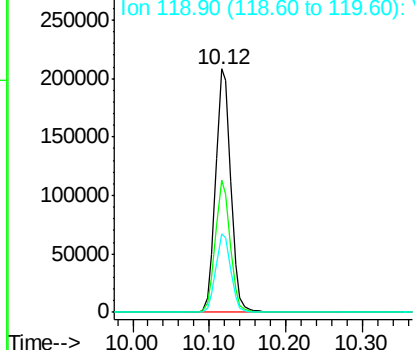
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001125.D
Acq: 25 Apr 2018 17:47

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 286143
Ion Ratio Lower Upper
117 100
82 54.6 40.6 60.8
119 32.0 26.0 39.0

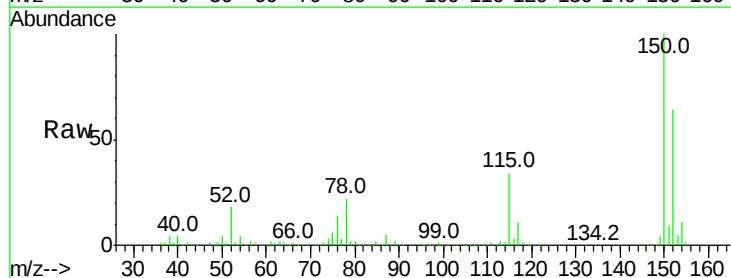


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

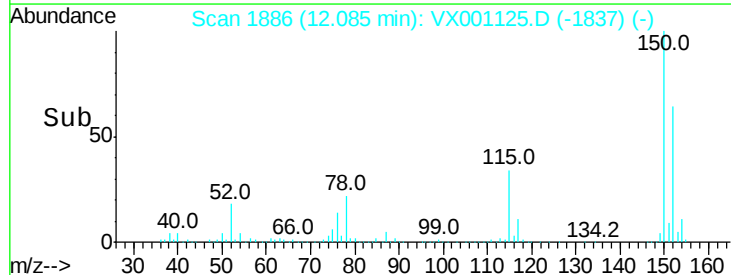
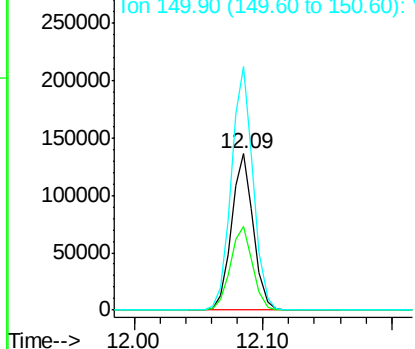


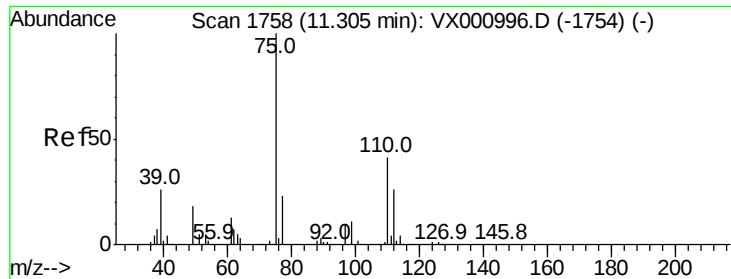
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001125.D
Acq: 25 Apr 2018 17:47

Tgt Ion:152 Resp: 161041
Ion Ratio Lower Upper
152 100
115 54.5 38.2 114.6
150 156.4 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: 32.199 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

Instrument :

MSVOA_X

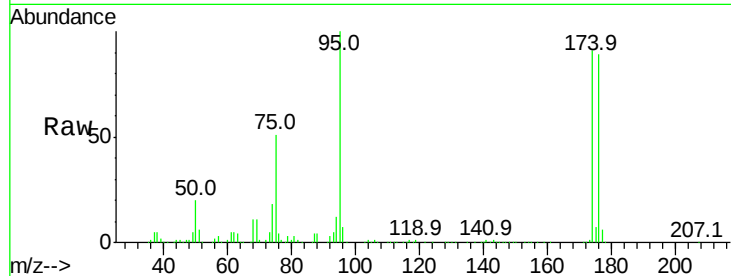
ClientSampleId :

Tot Ion: 75 Resp: 89964

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

11.14

80000

60000

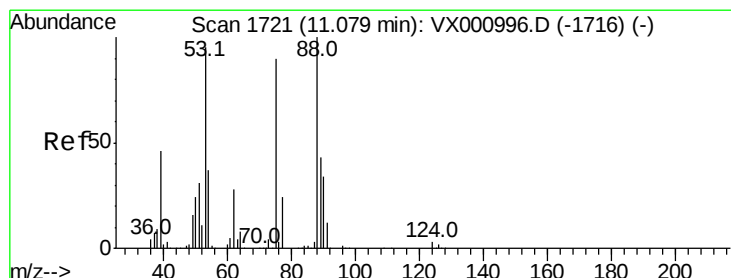
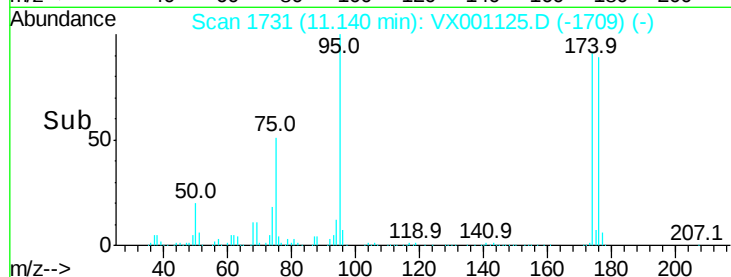
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 95.641 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001125.D

Acq: 25 Apr 2018 17:47

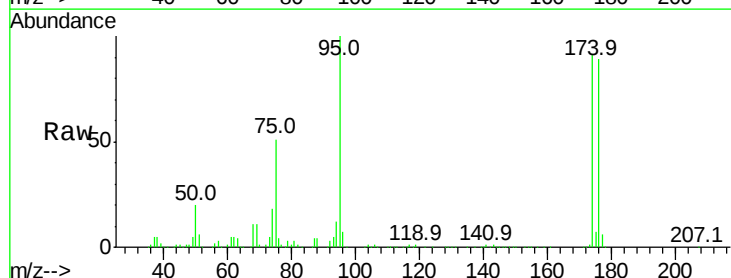
Tgt Ion: 75 Resp: 89964

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

11.14

80000

60000

40000

20000

0

Time-->

11.10 11.20

