

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041718\
 Data File : VX000974.D
 Acq On : 17 Apr 2018 19:24
 Operator : JC/MD
 Sample : PB108300TB 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 18 03:59:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	343594	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	202489	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	154892	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.51	113	121118	45.75	ug/l	0.00
Spiked Amount			Recovery	=	91.50%	
50) Toluene-d8	8.72	98	481911	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.14	95	182684	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	

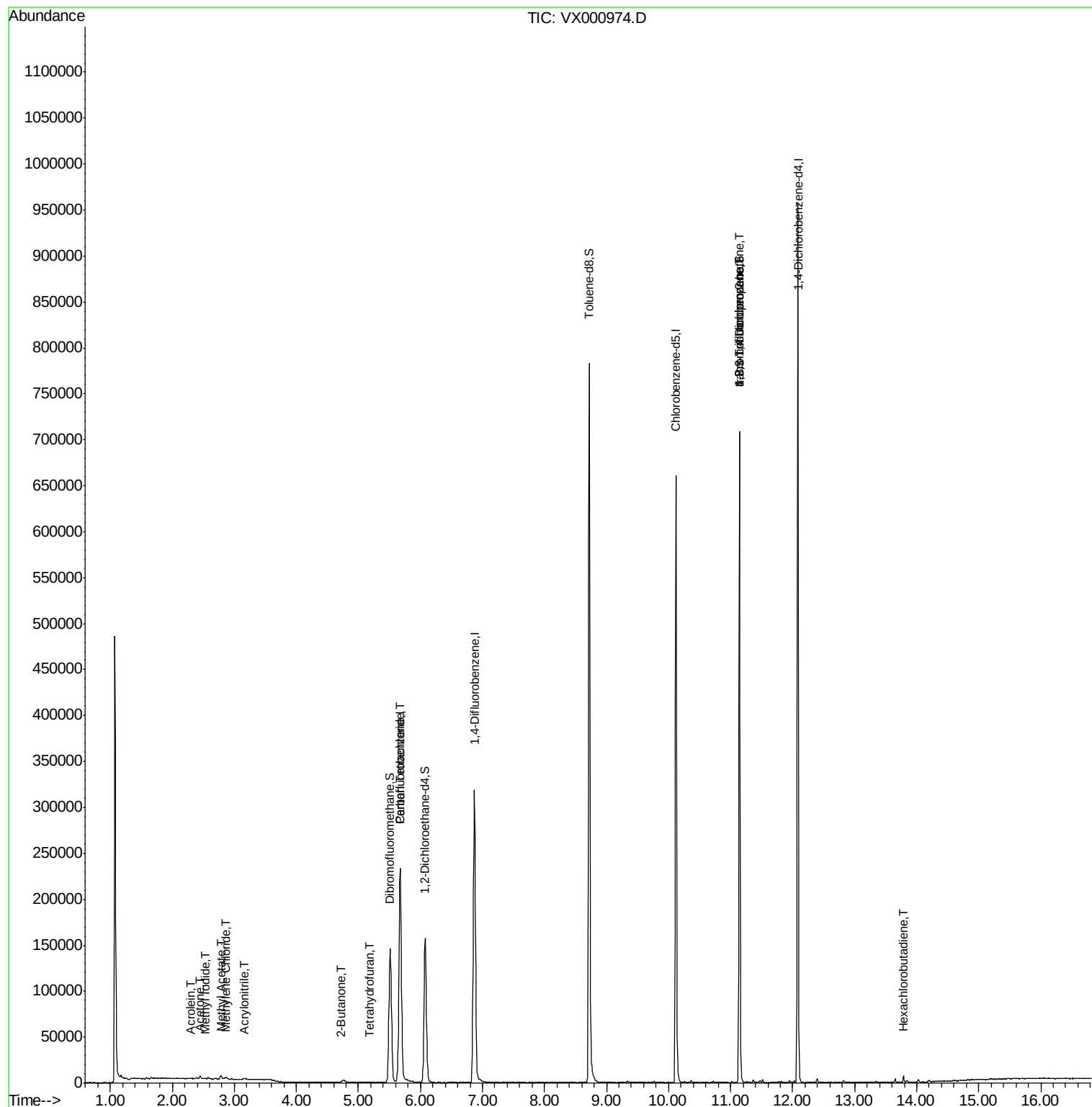
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	332	Below Cal	#	76
10) Methyl Iodide	2.53	142	213	8.324	ug/l #	84
13) Acrolein	2.31	56	219	0.802	ug/l #	1
15) Acrylonitrile	3.15	53	648	0.540	ug/l #	87
16) Acetone	2.45	43	3528	3.228	ug/l	99
18) Methyl Acetate	2.79	43	4348	1.537	ug/l	98
20) Methylene Chloride	2.87	84	1041	0.410	ug/l #	81
25) 2-Butanone	4.71	43	1578	0.874	ug/l	92
29) Tetrahydrofuran	5.18	42	683	0.596	ug/l #	76
38) Carbon Tetrachloride	5.67	117	21569	5.093	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	89939	25.755	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	89939	70.846	ug/l #	11
94) Hexachlorobutadiene	13.79	225	1022	0.362	ug/l	88

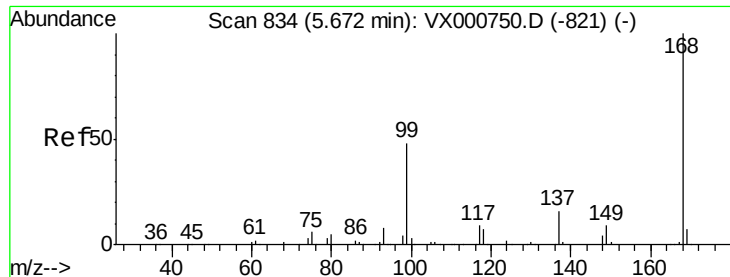
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

Instrument :

MSVOA_X

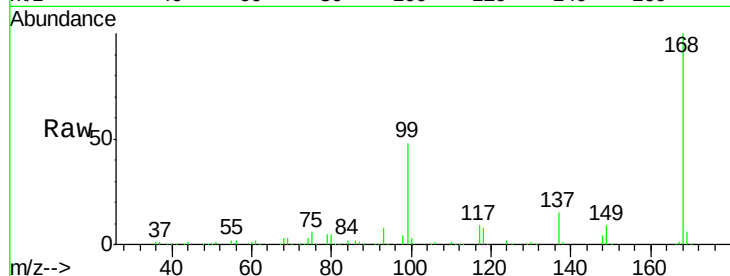
ClientSampleId :

Tot Ion:168 Resp: 251329

Ion Ratio Lower Upper

168 100

99 48.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

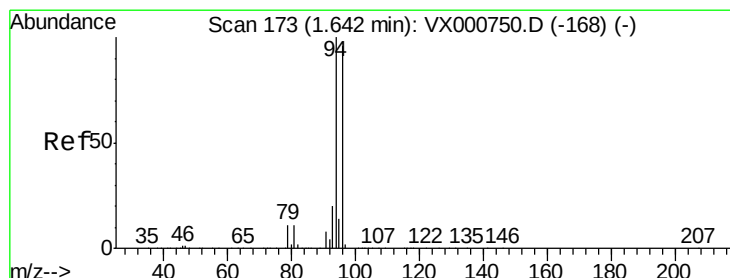
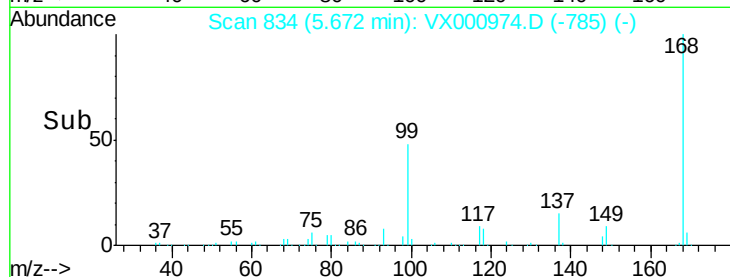
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000974.D

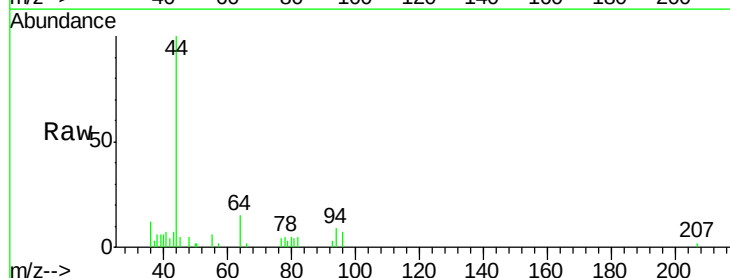
Acq: 17 Apr 2018 19:24

Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

94 100

96 73.0 77.0 115.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

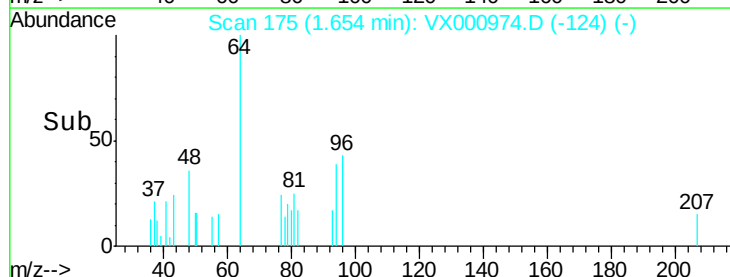
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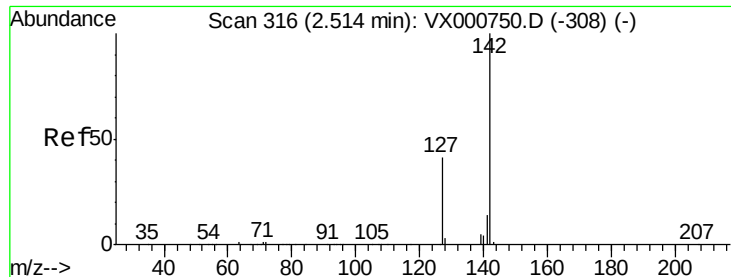
100

50

0

Time-->

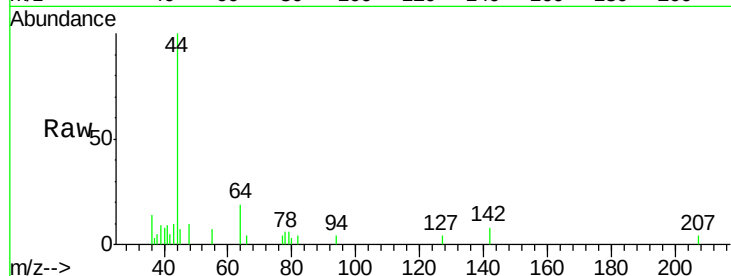




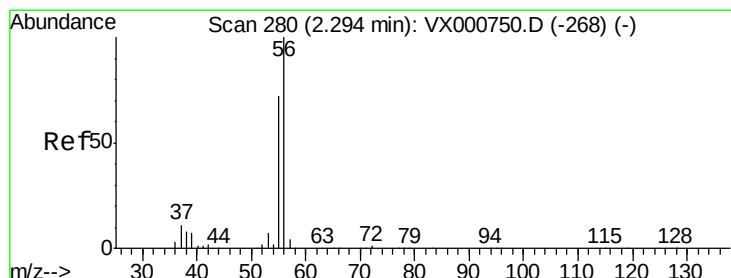
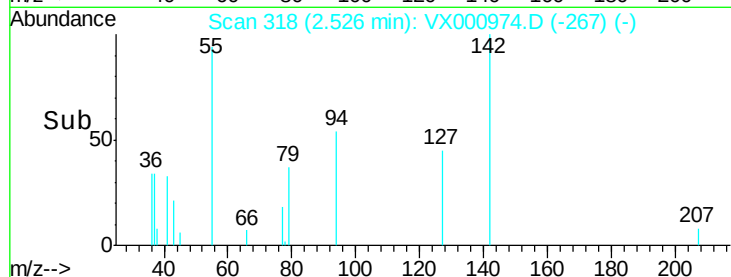
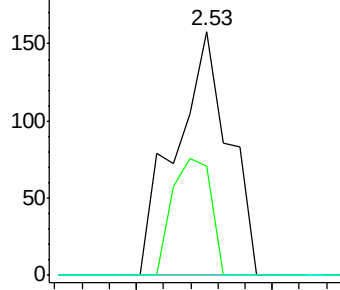
#10
Methvl Iodide
Concen: 8.324 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 213
Ion Ratio Lower Upper
142 100
127 35.2 32.6 49.0
141 0.0 11.5 17.3#

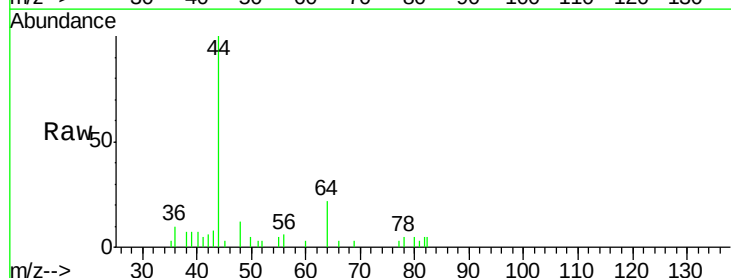


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

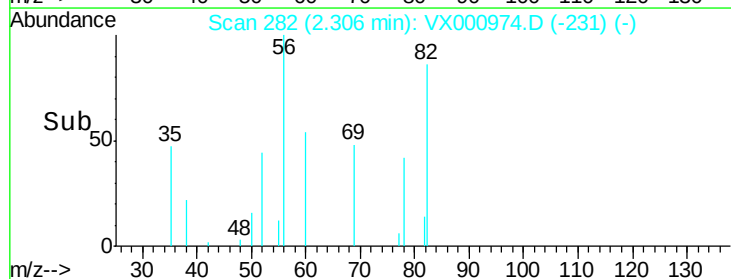
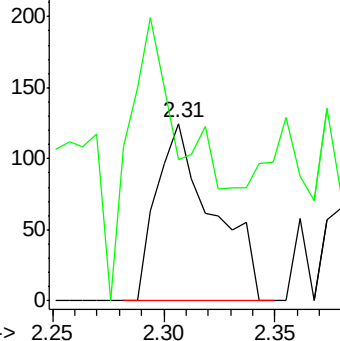


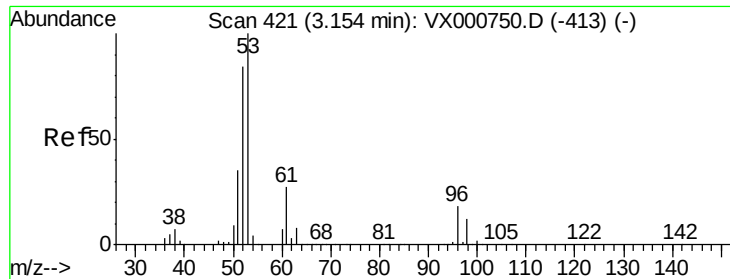
#13
Acrolein
Concen: 0.802 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 182.2 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

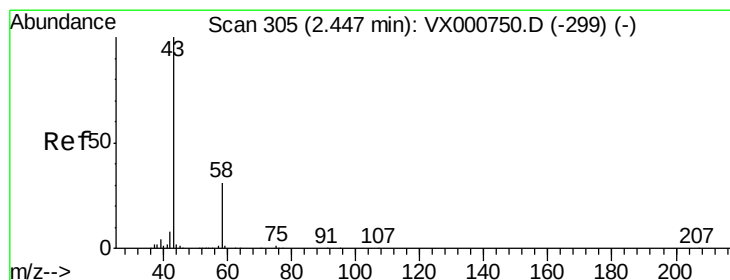
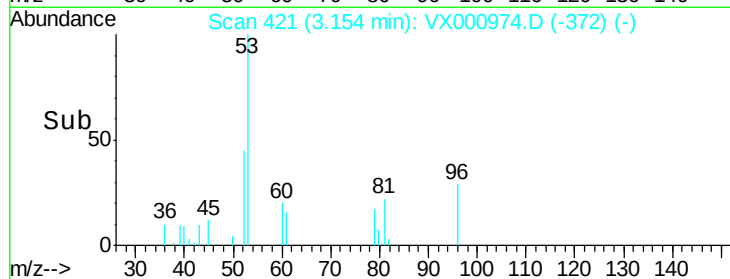
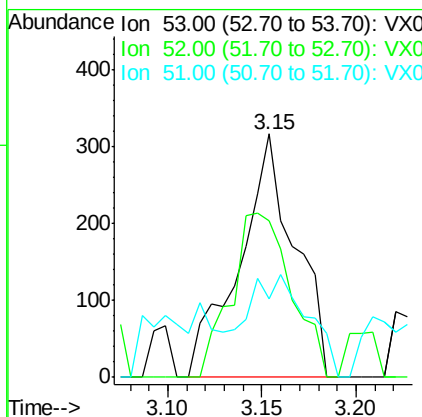
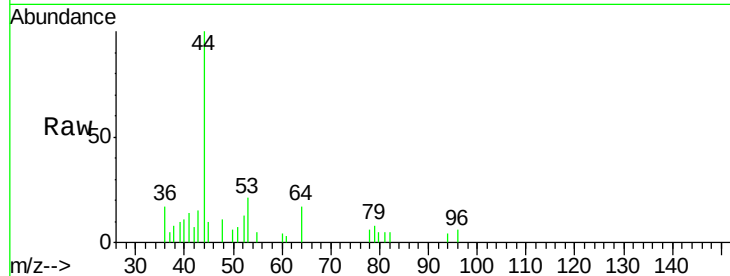




#15
 Acrylonitrile
 Concen: 0.540 ug/l
 RT: 3.15 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

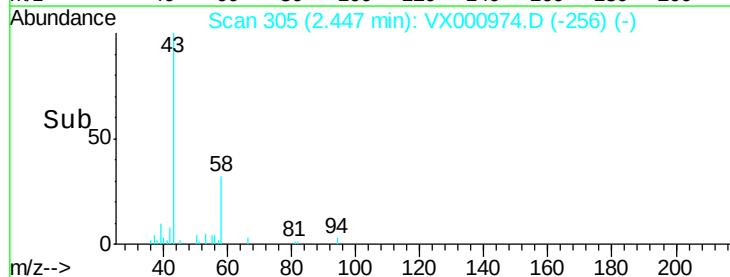
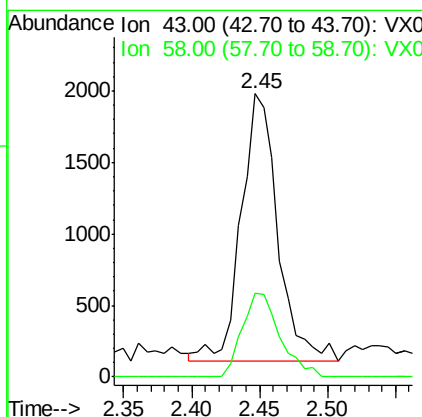
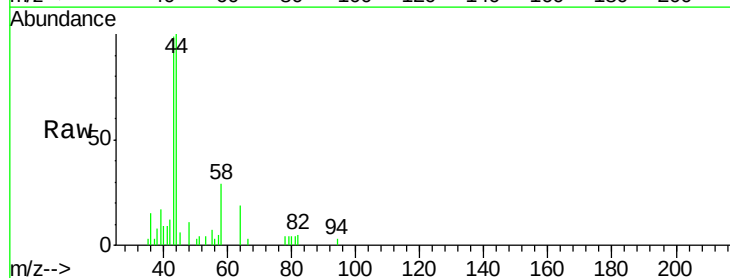
Instrument :
 MSVOA_X
 ClientSampleId :

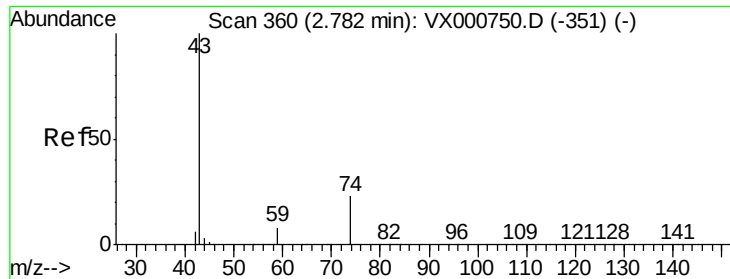
Tot Ion: 53 Resp: 648
 Ion Ratio Lower Upper
 53 100
 52 72.5 66.5 99.7
 51 46.0 28.8 43.2#



#16
 Acetone
 Concen: 3.228 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

Tgt Ion: 43 Resp: 3528
 Ion Ratio Lower Upper
 43 100
 58 31.4 24.6 37.0

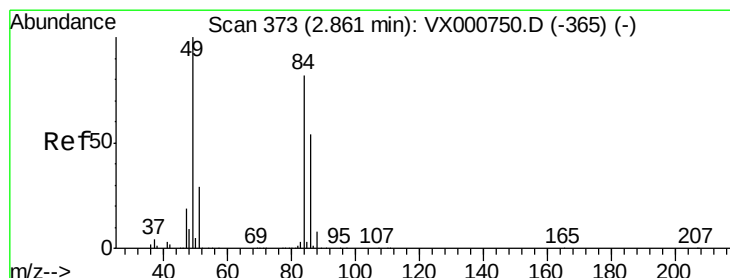
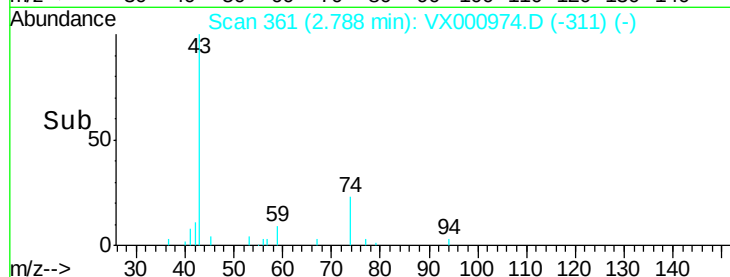
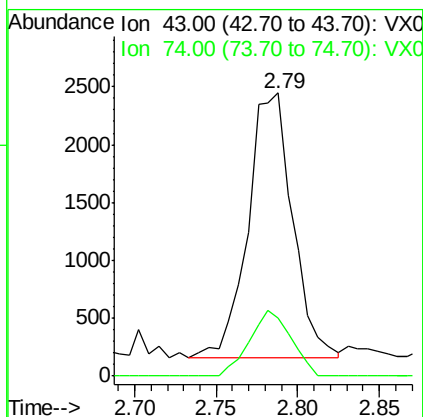
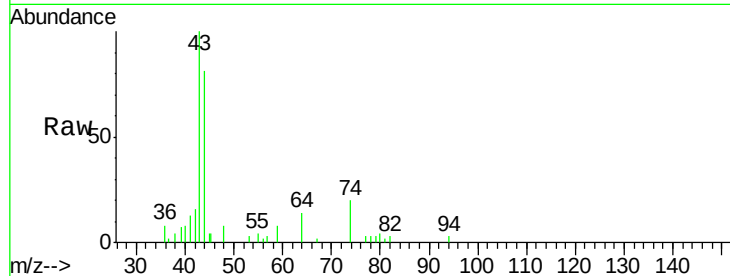




#18
Methyl Acetate
Concen: 1.537 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

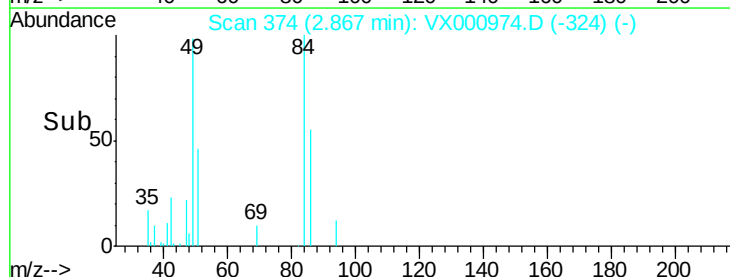
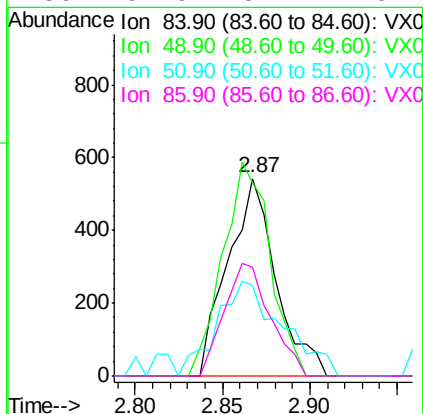
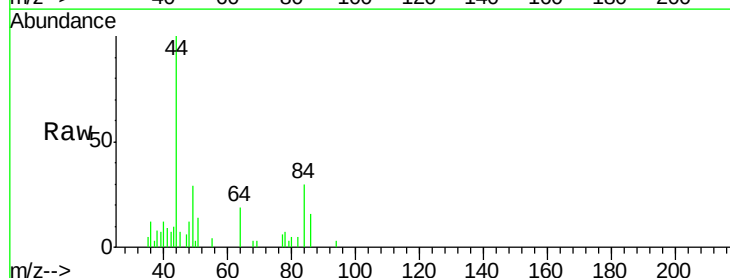
Instrument :
MSVOA_X
ClientSampleId :

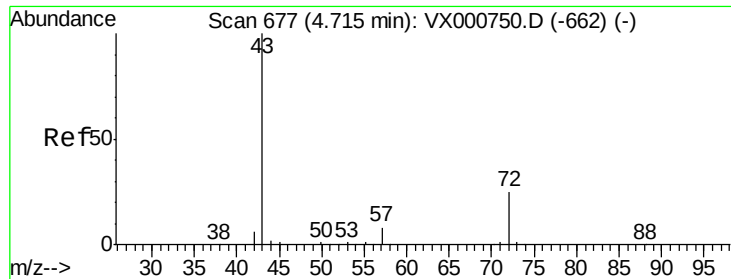
Tot Ion: 43 Resp: 4348
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#20
Methylene Chloride
Concen: 0.410 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

Tgt Ion: 84 Resp: 1041
Ion Ratio Lower Upper
84 100
49 98.0 98.1 147.1#
51 46.2 28.9 43.3#
86 54.9 52.7 79.1





#25

2-Butanone

Concen: 0.874 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

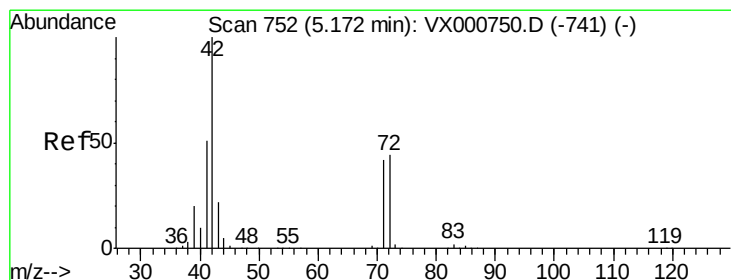
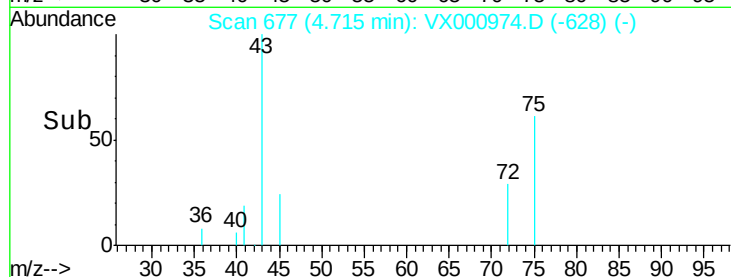
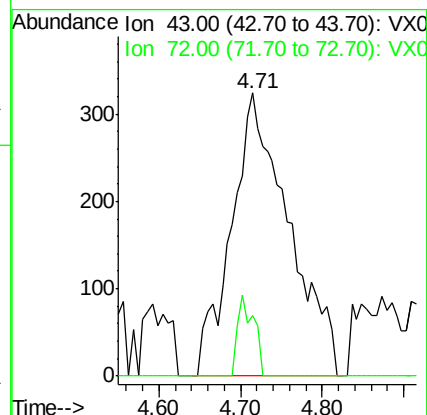
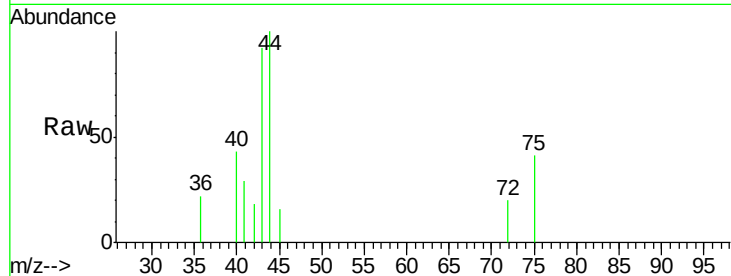
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

72 21.3 20.3 30.5



#29

Tetrahydrofuran

Concen: 0.596 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

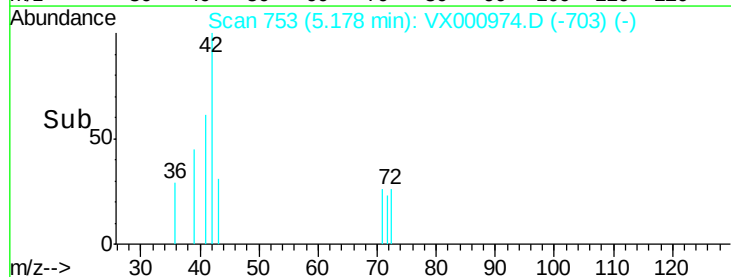
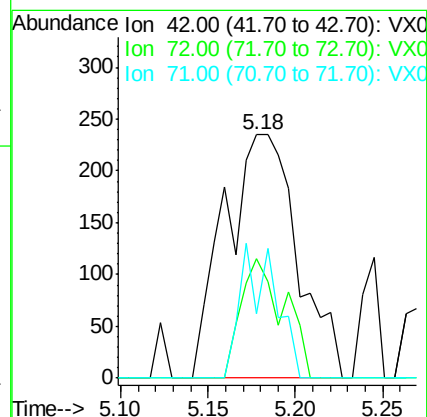
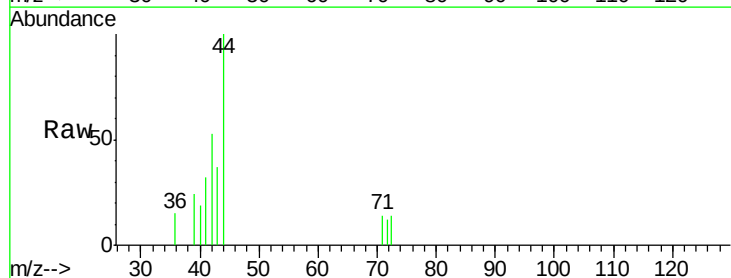
Tgt Ion: 42 Resp: 683

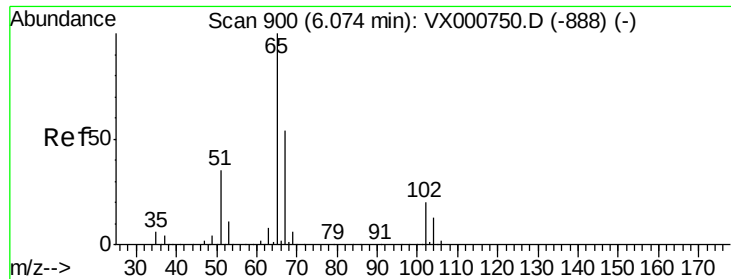
Ion Ratio Lower Upper

42 100

72 28.7 35.1 52.7#

71 26.1 32.8 49.2#

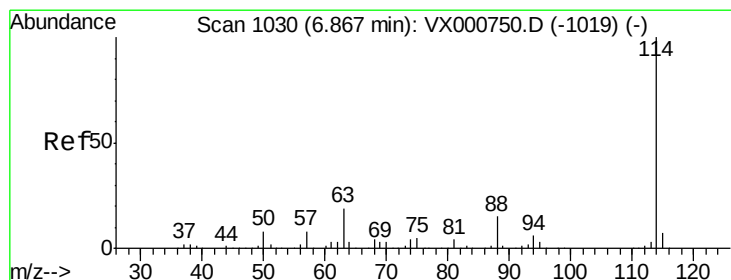
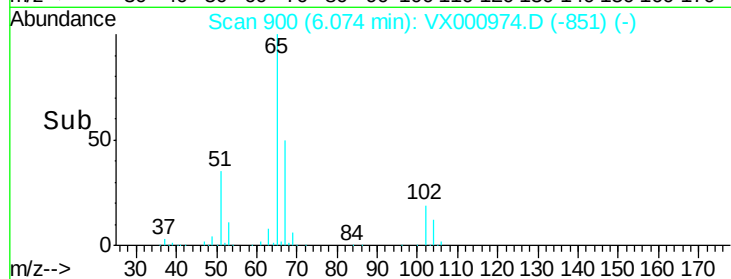
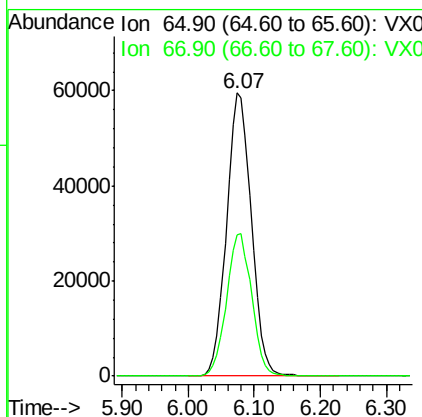
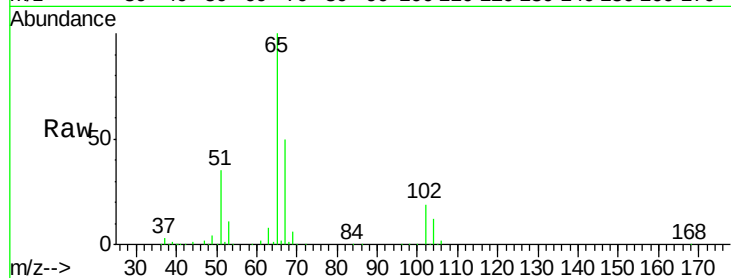




#33
 1,2-Dichloroethane-d4
 Concen: 48.878 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

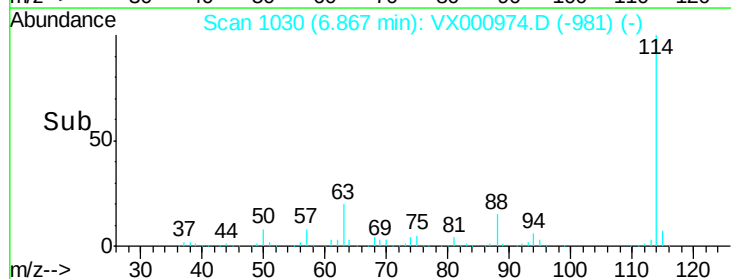
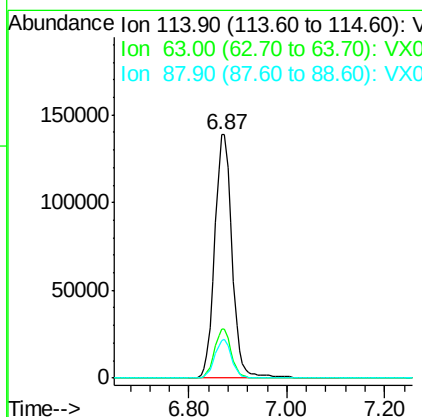
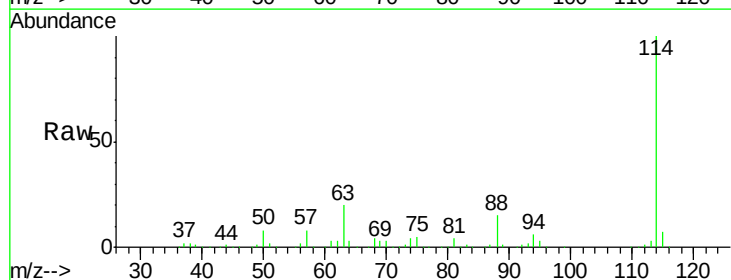
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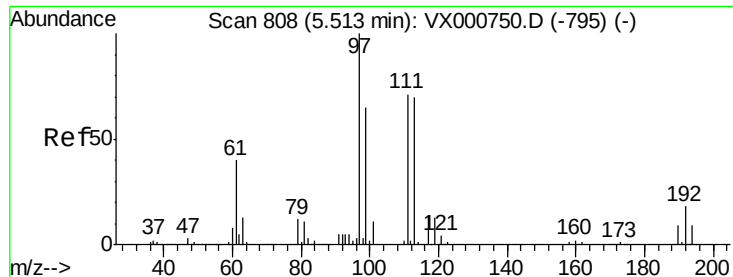
Tot Ion: 65 Resp: 154892
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

Tgt Ion: 114 Resp: 343594
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.4
 88 15.4 0.0 31.0

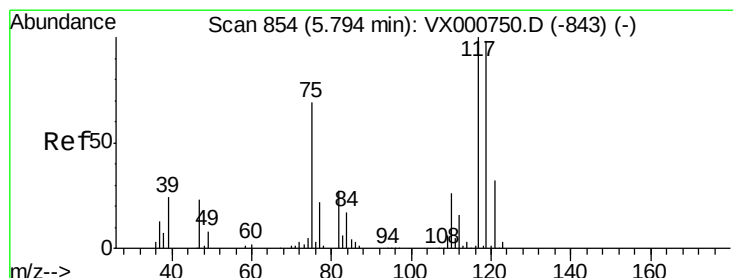
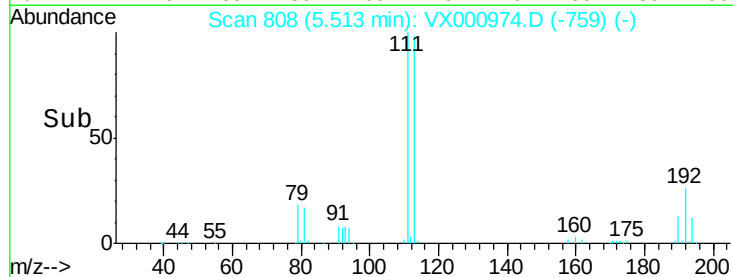
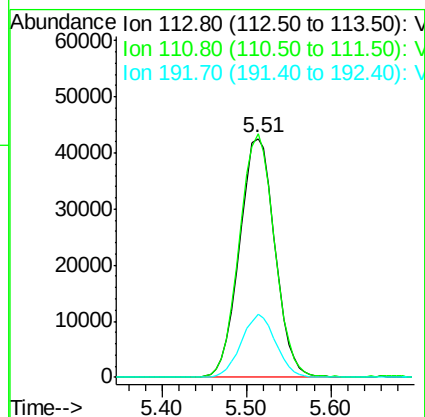
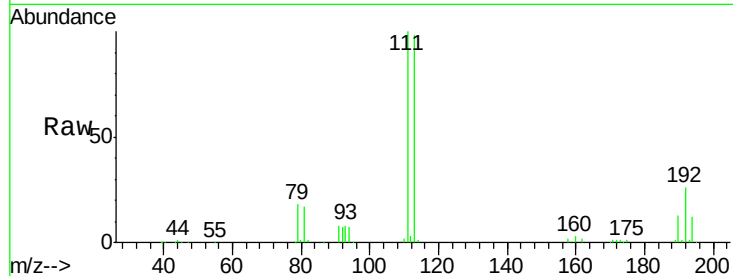




#35
 Dibromofluoromethane
 Concen: 45.753 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

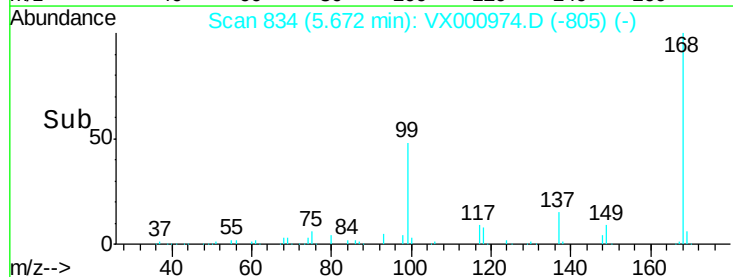
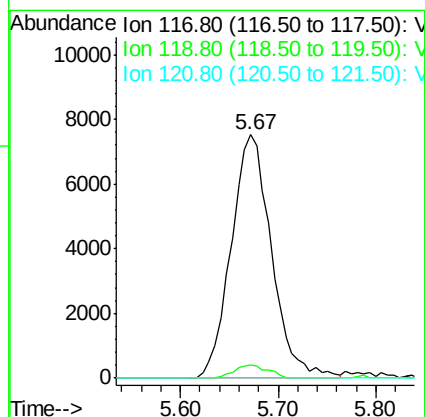
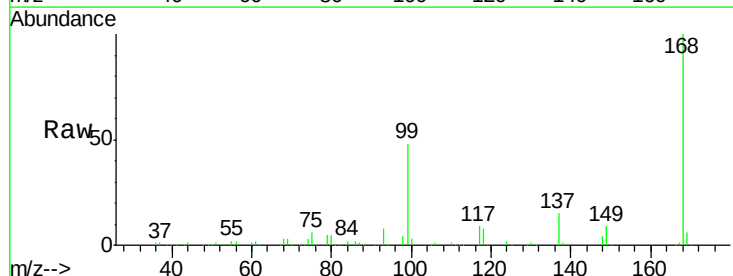
Instrument :
 MSVOA_X
 ClientSampled :

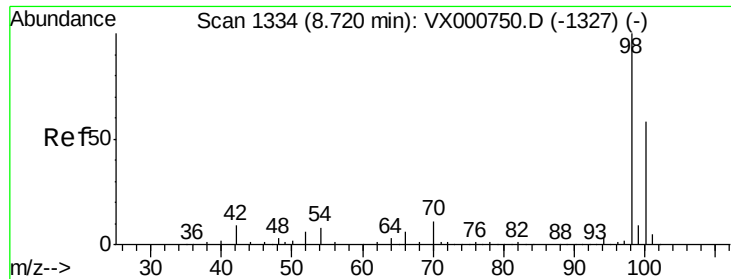
Tot Ion:113 Resp: 121118
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.5 122.3
 192 25.6 20.4 30.6



#38
 Carbon Tetrachloride
 Concen: 5.093 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

Tgt Ion:117 Resp: 21569
 Ion Ratio Lower Upper
 117 100
 119 5.5 78.4 117.6#
 121 0.0 25.4 38.0#





#50

Toluene-d8

Concen: 48.893 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

Instrument :

MSVOA_X

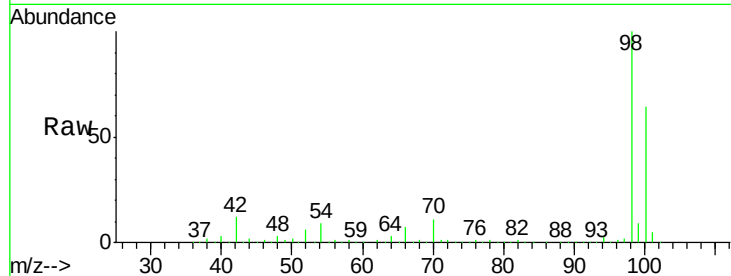
ClientSampleId :

Tot Ion: 98 Resp: 481911

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

300000

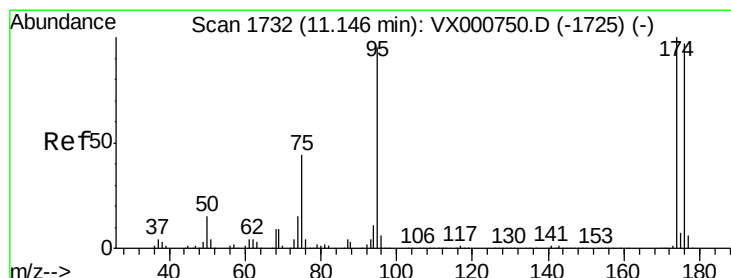
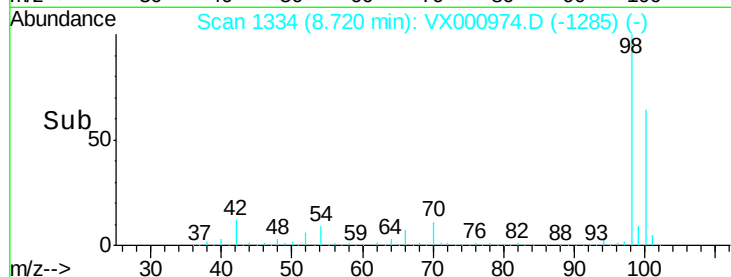
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 44.798 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

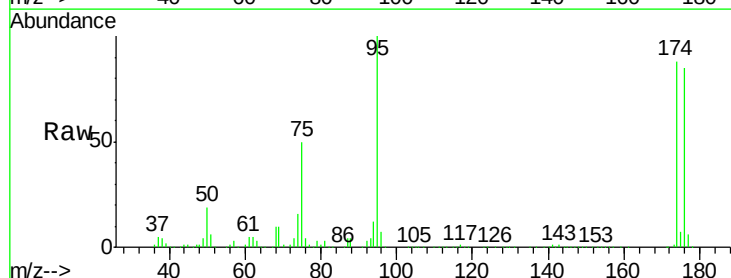
Tgt Ion: 95 Resp: 182684

Ion Ratio Lower Upper

95 100

174 97.0 0.0 198.4

176 95.8 0.0 194.4



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

11.14

150000

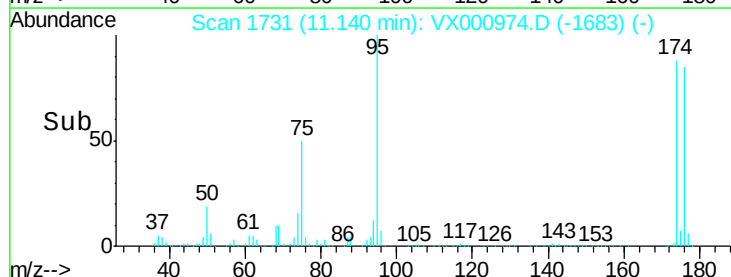
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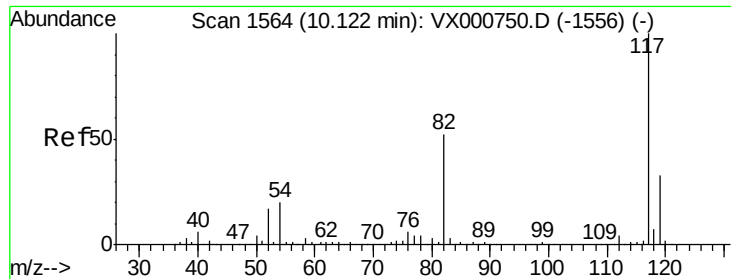
50000

0

Time-->

11.10 11.20

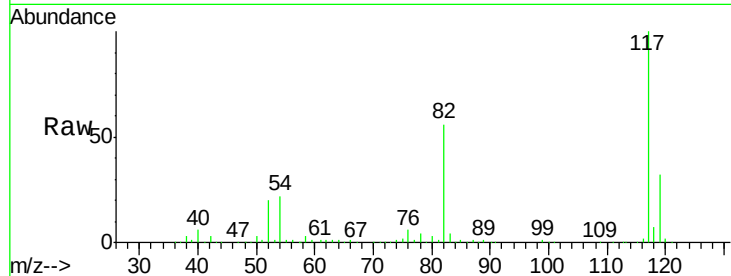




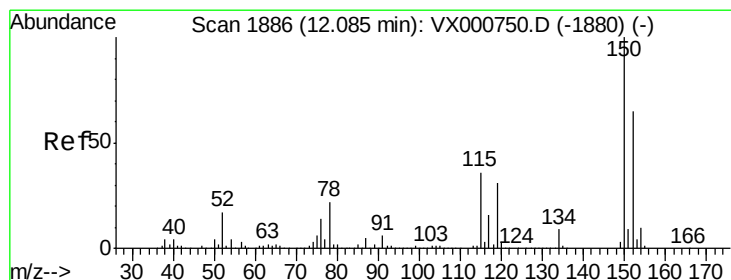
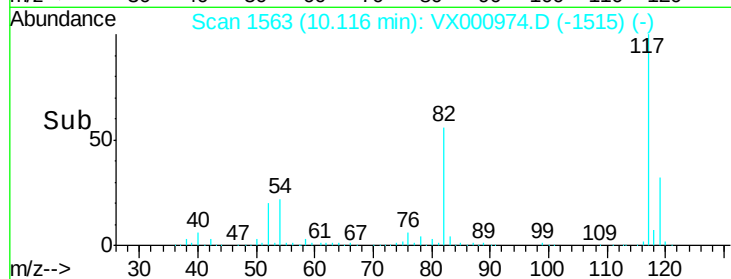
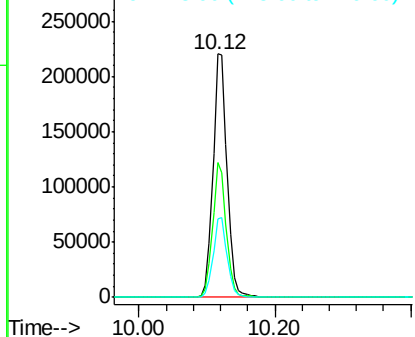
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 315843
Ion Ratio Lower Upper
117 100
82 55.6 41.9 62.9
119 32.3 26.0 39.0

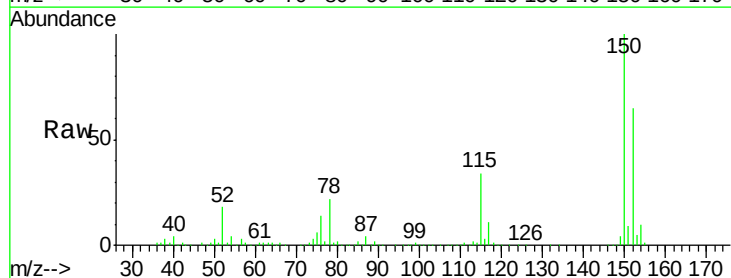


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

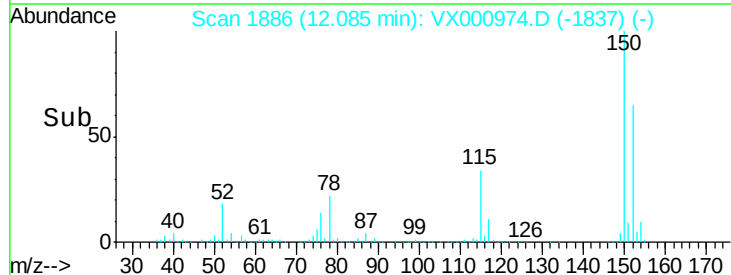
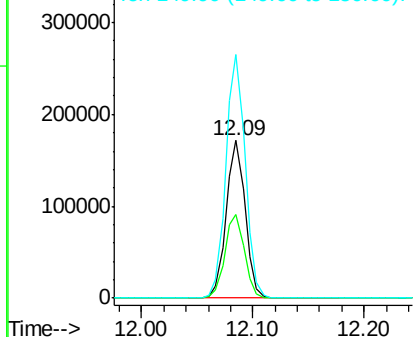


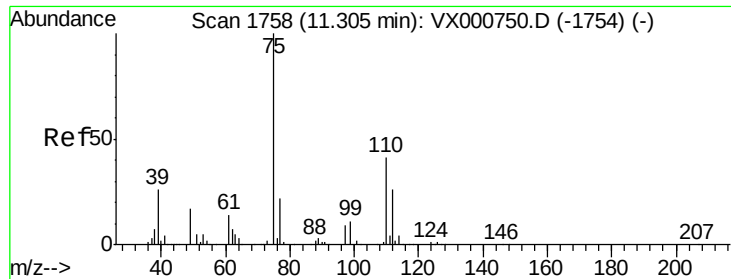
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000974.D
Acq: 17 Apr 2018 19:24

Tgt Ion:152 Resp: 202489
Ion Ratio Lower Upper
152 100
115 54.5 37.9 113.7
150 156.7 0.0 348.0



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

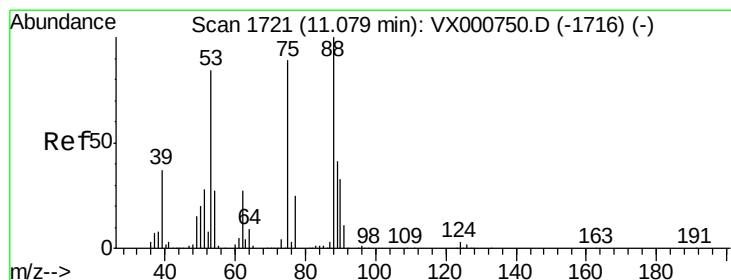
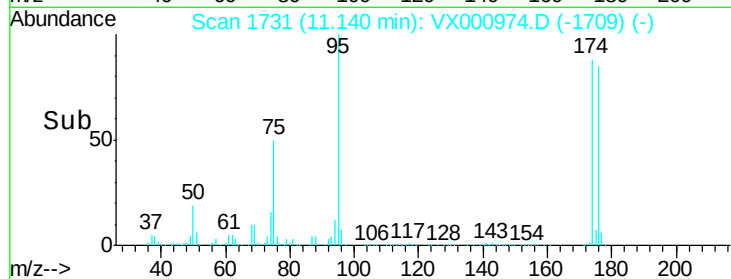
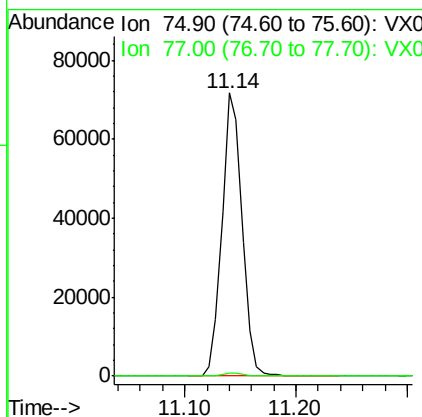
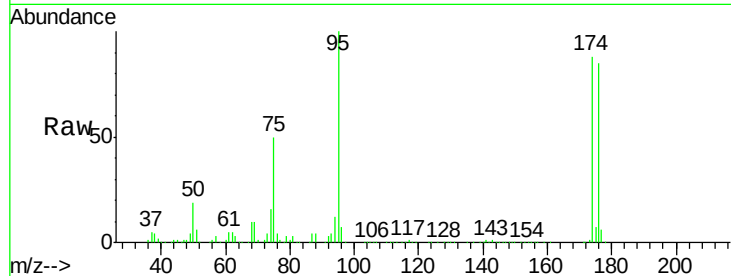




#76
 1,2,3-Trichloropropane
 Concen: 25.755 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

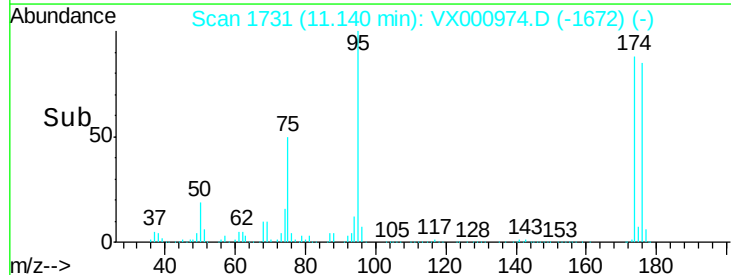
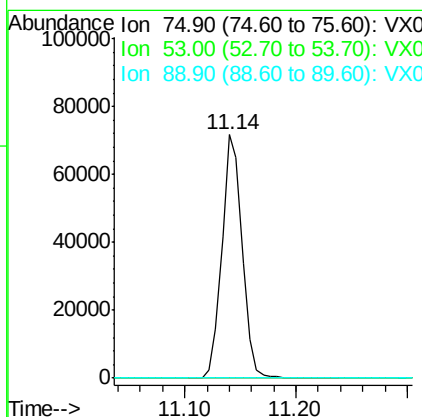
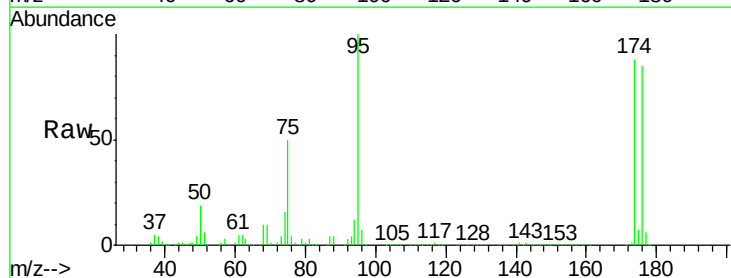
Instrument :
 MSVOA_X
 ClientSampled :

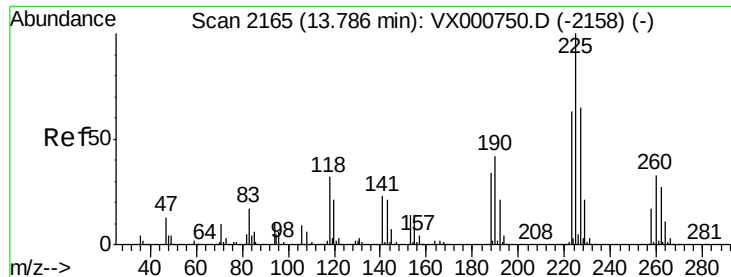
Tot Ion: 75 Resp: 89939
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.846 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000974.D
 Acq: 17 Apr 2018 19:24

Tgt Ion: 75 Resp: 89939
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#





#94

Hexachlorobutadiene

Concen: 0.362 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

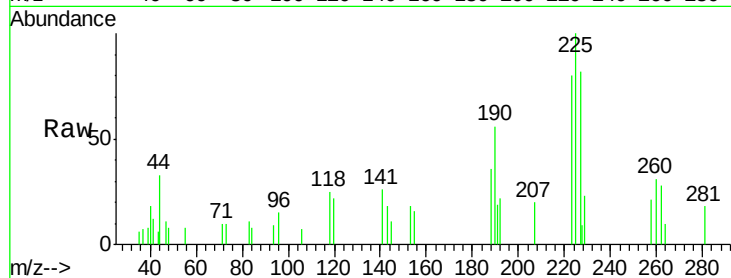
Lab File: VX000974.D

Acq: 17 Apr 2018 19:24

Instrument :

MSVOA_X

ClientSampleId :



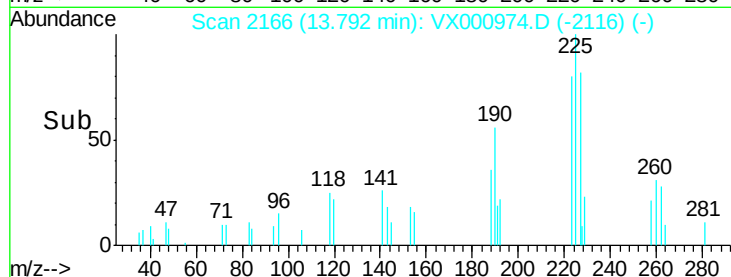
Tot Ion:225 Resp: 1022

Ion Ratio Lower Upper

225 100

223 73.2 31.2 93.6

227 72.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

