

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072318\
 Data File : VX003628.D
 Acq On : 24 Jul 2018 03:09
 Operator : JC/SP
 Sample : J4073-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 24 08:54:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359472	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	141524	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	5.51	113	134509	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	8.72	98	503866	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
62) 4-Bromofluorobenzene	11.14	95	171650	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	

Target Compounds

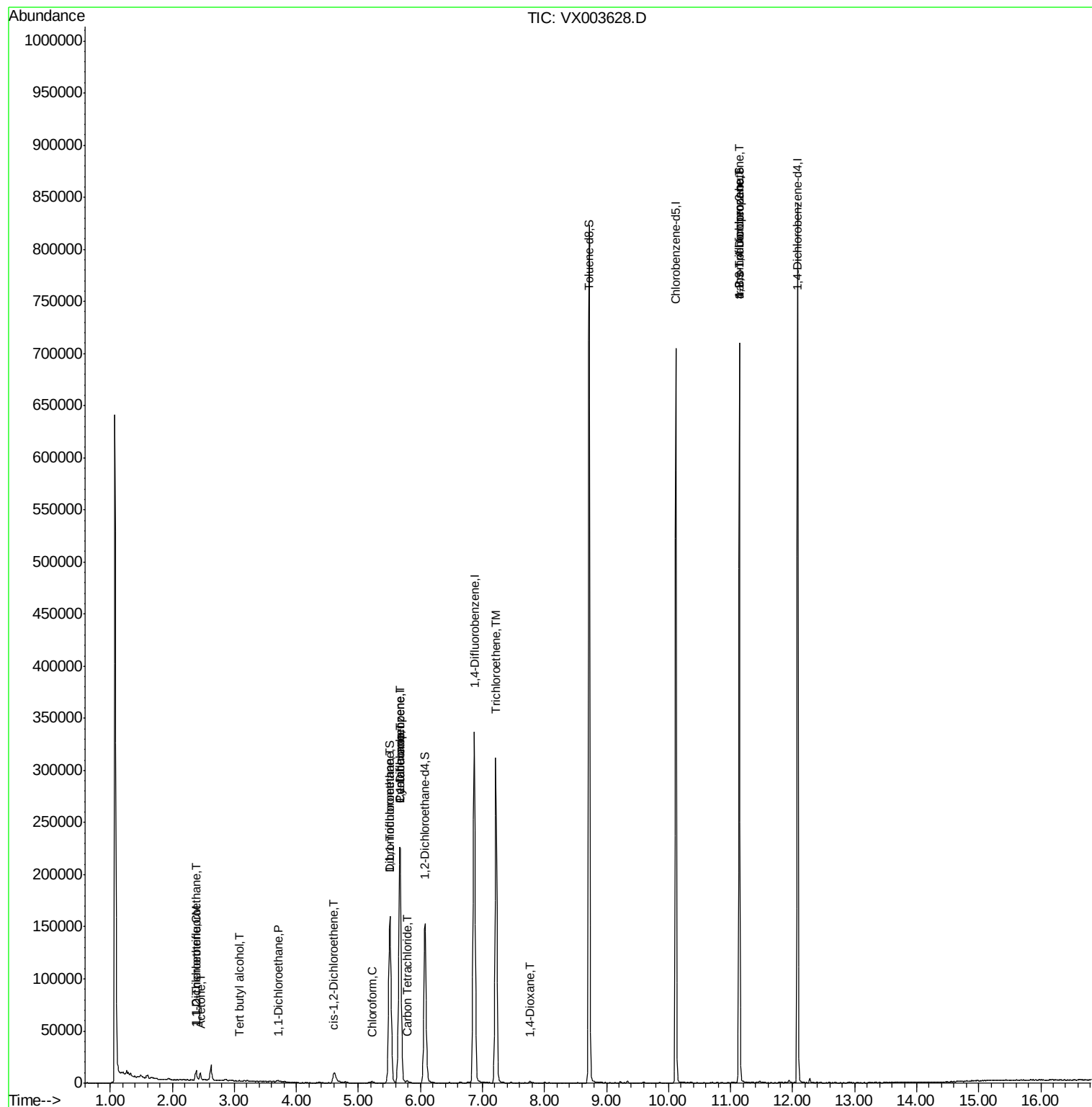
						Qvalue
2) Dichlorodifluoromethane	1.20	85	797	Below Cal		95
3) Chloromethane	1.32	50	1281	Below Cal	#	84
5) Bromomethane	1.65	94	660	Below Cal		84
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2762	0.99	ug/l	92
11) Tert butyl alcohol	3.07	59	883	1.49	ug/l #	73
12) 1,1-Dichloroethene	2.37	96	943	0.37	ug/l #	53
16) Acetone	2.45	43	7022	6.22	ug/l	93
20) Methylene Chloride	2.86	84	451	Below Cal	#	76
24) 1,1-Dichloroethane	3.71	63	1192	0.24	ug/l #	83
27) cis-1,2-Dichloroethene	4.59	96	2690	0.84	ug/l #	1
30) Chloroform	5.22	83	1293	0.26	ug/l #	81
31) Cyclohexane	5.67	56	3391	0.75	ug/l #	1
32) 1,1,1-Trichloroethane	5.51	97	1420	0.34	ug/l #	44
36) 1,1-Dichloropropene	5.67	75	14168	3.65	ug/l #	50
38) Carbon Tetrachloride	5.78	117	1426	0.37	ug/l	96
44) Trichloroethene	7.22	130	134061	38.36	ug/l	96
49) 1,4-Dioxane	7.77	88	900	13.48	ug/l #	87
76) 1,2,3-Trichloropropane	11.14	75	77769	22.69	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	77769	63.77	ug/l #	6

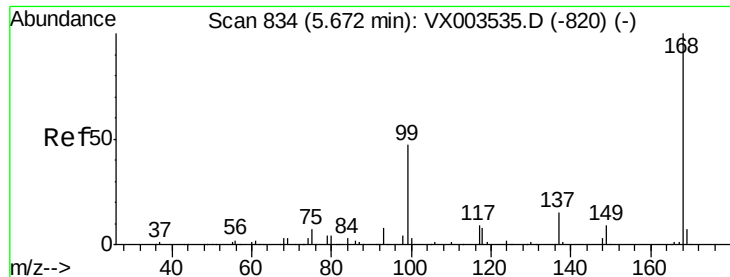
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

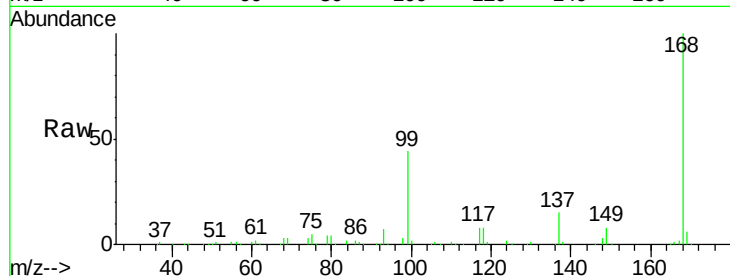
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 252549

Ion Ratio Lower Upper

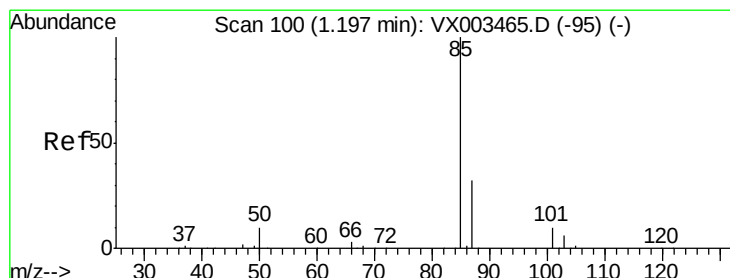
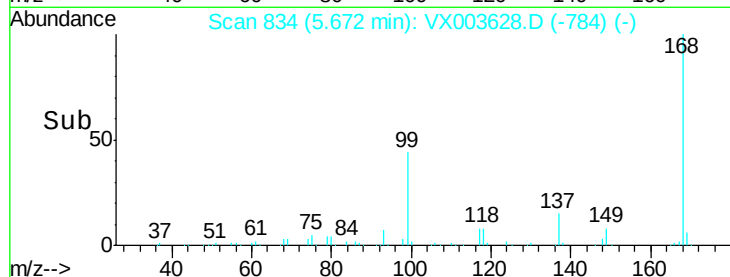
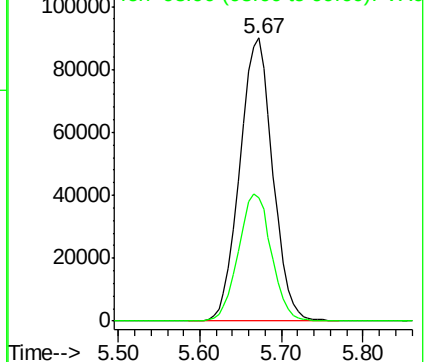
168 100

99 43.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003628.D

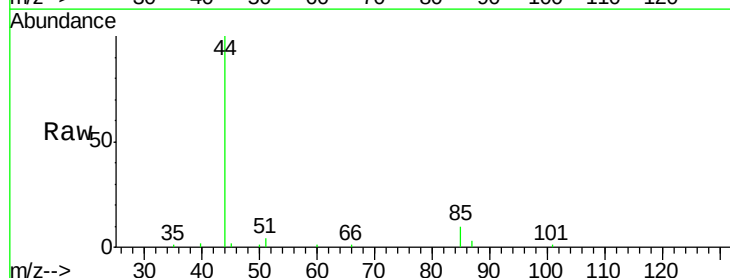
Acq: 24 Jul 2018 03:09

Tgt Ion: 85 Resp: 797

Ion Ratio Lower Upper

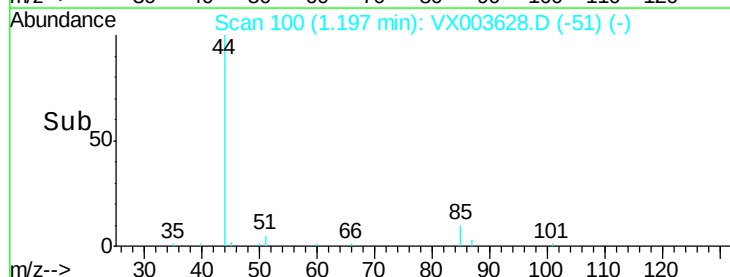
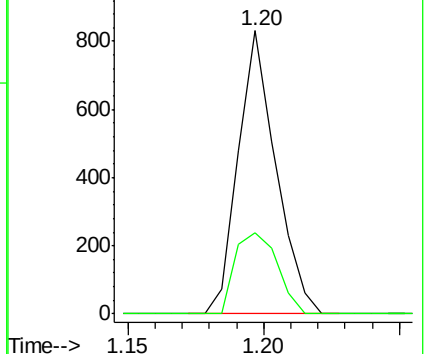
85 100

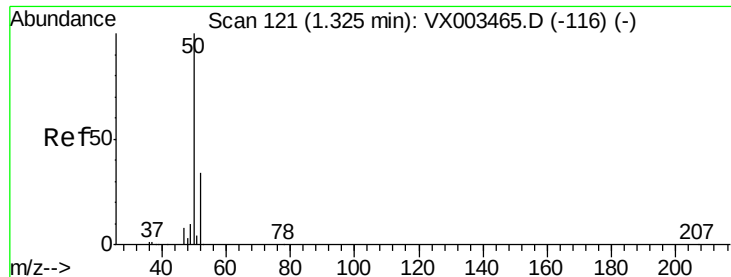
87 28.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :

MSVOA_X

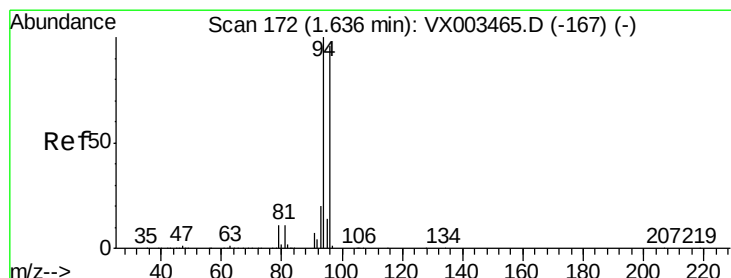
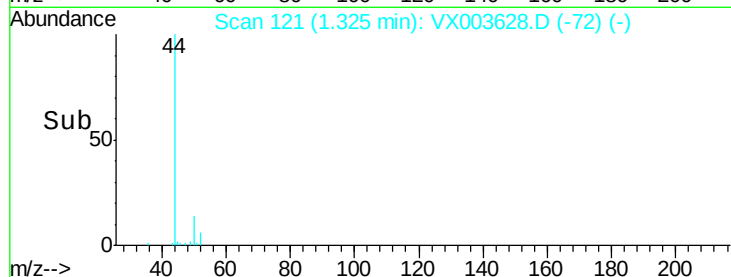
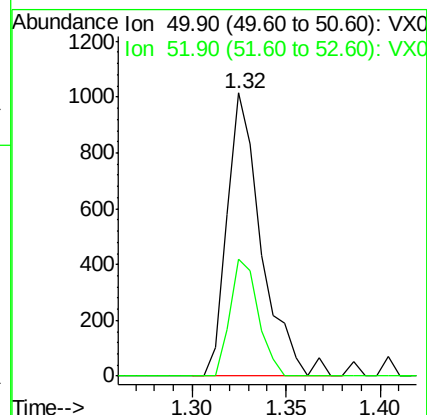
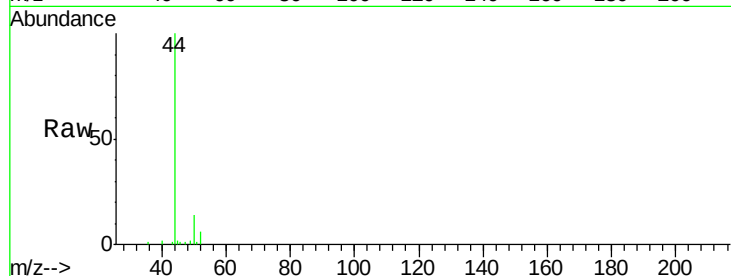
ClientSampleId :

Tot Ion: 50 Resp: 1281

Ion Ratio Lower Upper

50 100

52 41.2 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003628.D

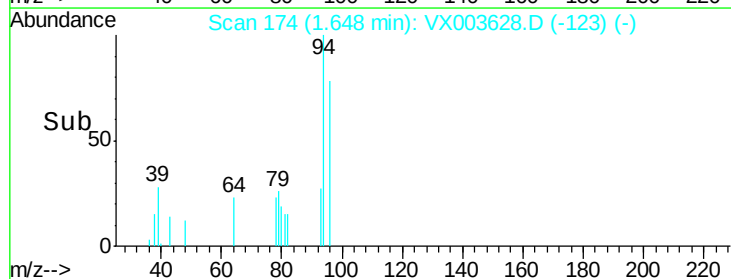
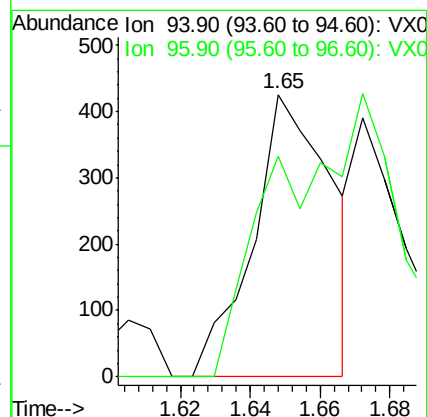
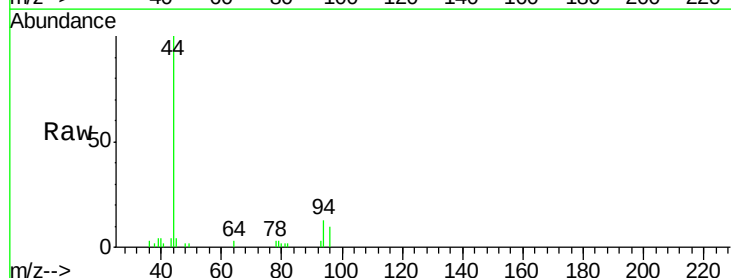
Acq: 24 Jul 2018 03:09

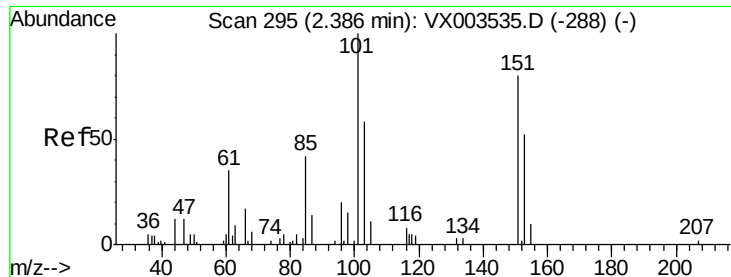
Tgt Ion: 94 Resp: 660

Ion Ratio Lower Upper

94 100

96 78.2 74.9 112.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.99 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003628.D

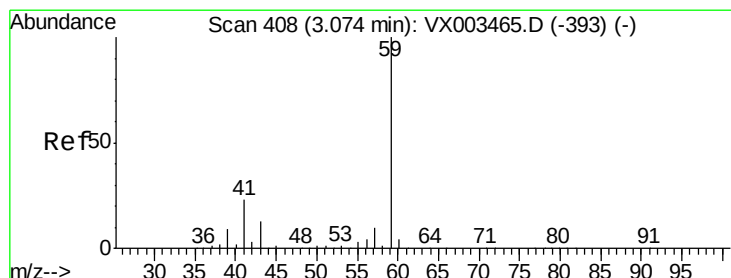
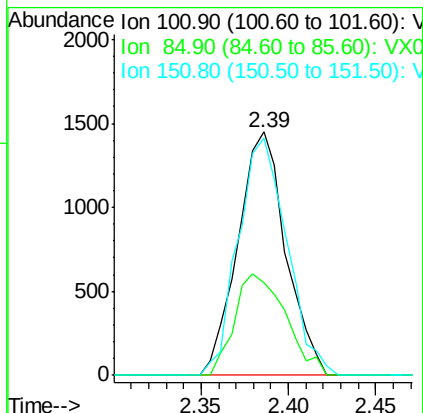
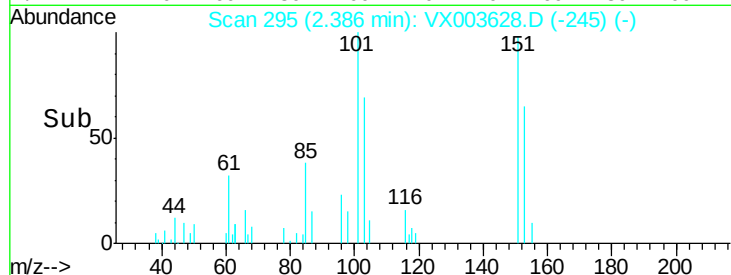
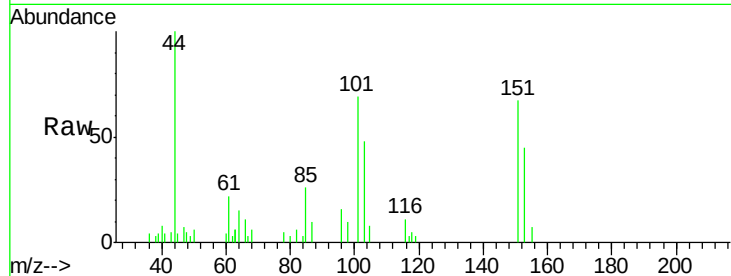
Acq: 24 Jul 2018 03:09

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:	101	Resp:	2762
Ion	Ratio	Lower	Upper
101	100		
85	44.5	36.0	54.0
151	99.5	70.9	106.3



#11

Tert butyl alcohol

Concen: 1.49 ug/l

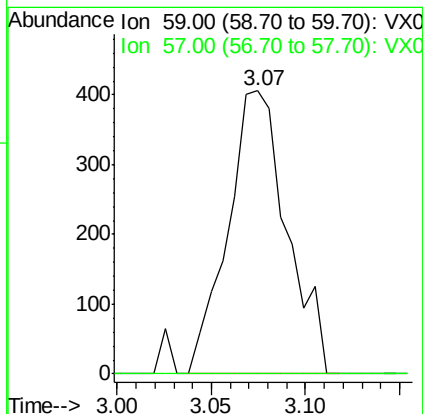
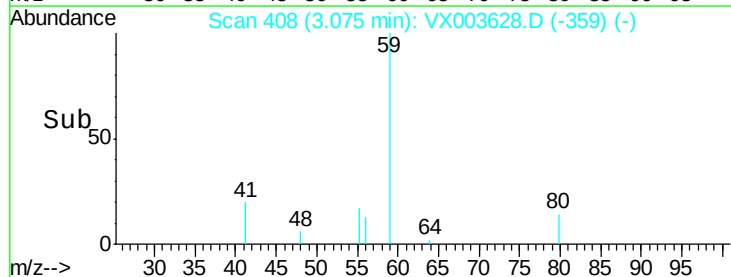
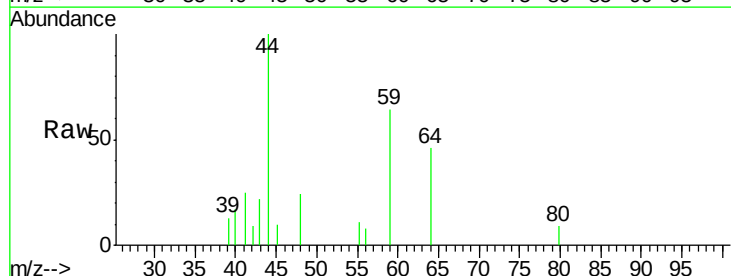
RT: 3.07 min Scan# 408

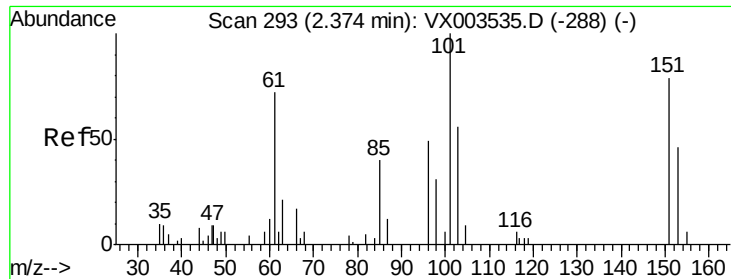
Delta R.T. 0.00 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Tgt Ion:	59	Resp:	883
Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#





#12

1,1-Dichloroethene

Concen: 0.37 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :
MSVOA_X
ClientSampleId :

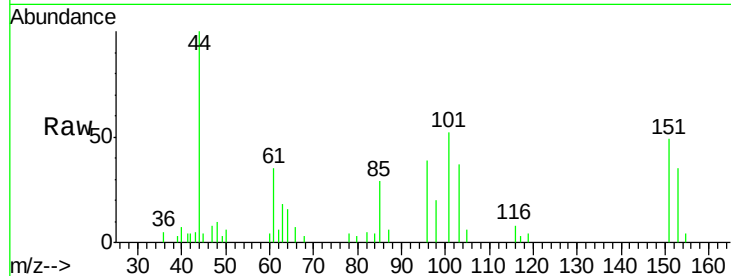
Tot Ion: 96 Resp: 943

Ion Ratio Lower Upper

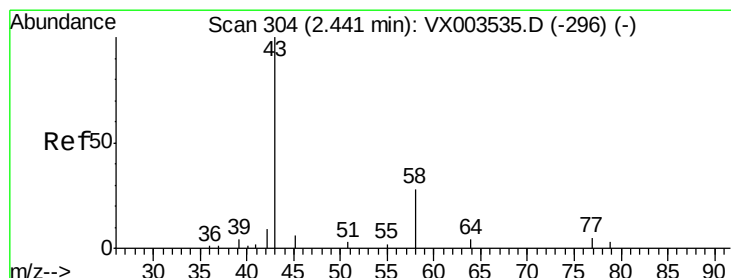
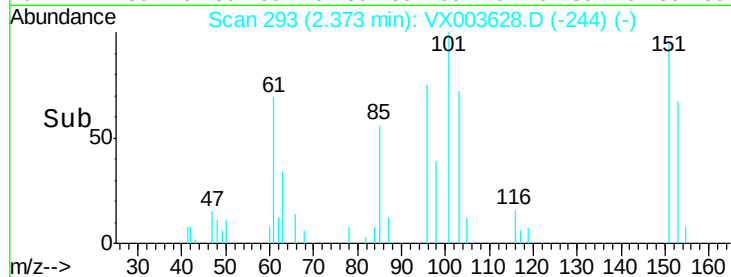
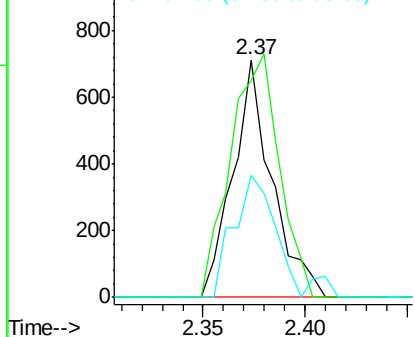
96 100

61 91.3 137.9 206.9#

98 51.3 51.6 77.4#



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



#16

Acetone

Concen: 6.22 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003628.D

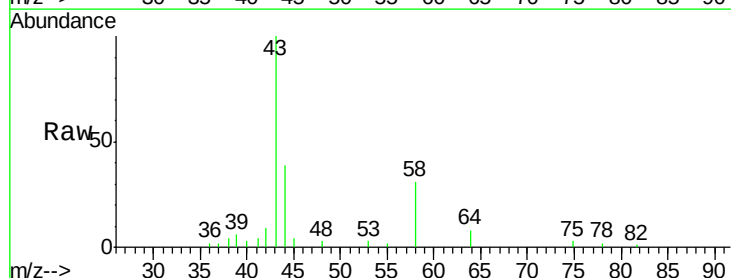
Acq: 24 Jul 2018 03:09

Tgt Ion: 43 Resp: 7022

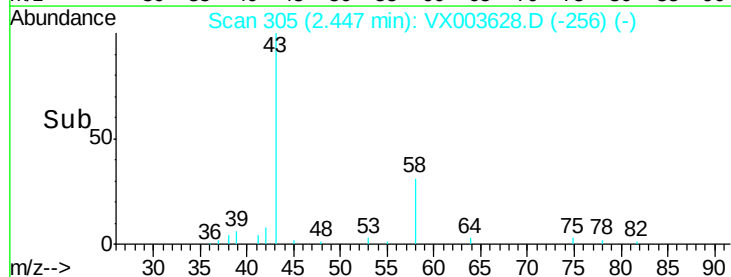
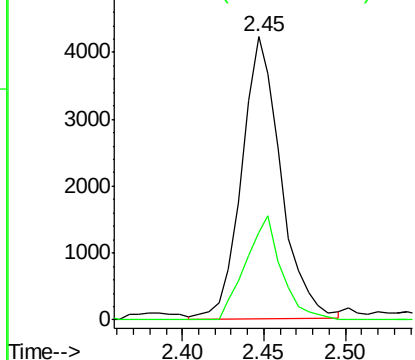
Ion Ratio Lower Upper

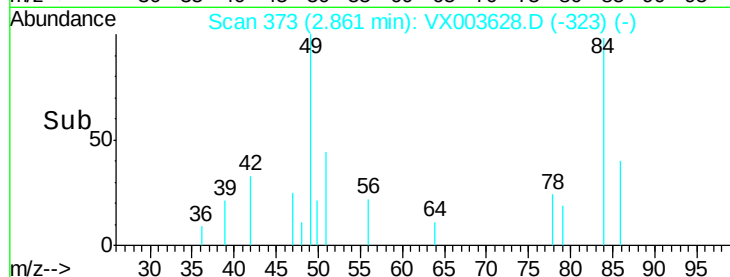
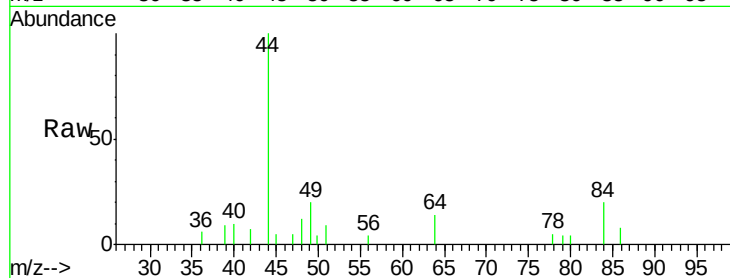
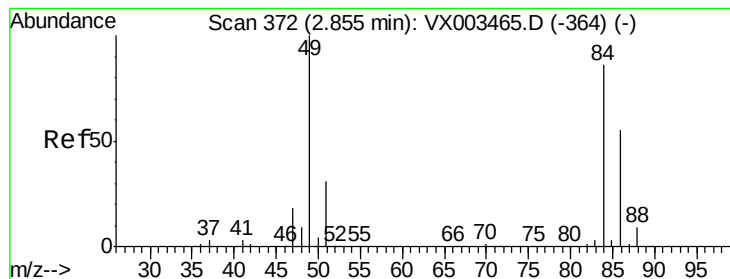
43 100

58 31.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 451

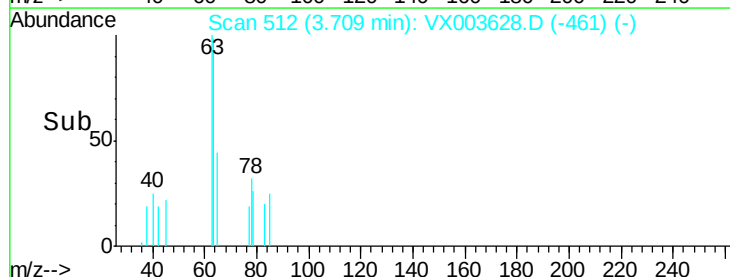
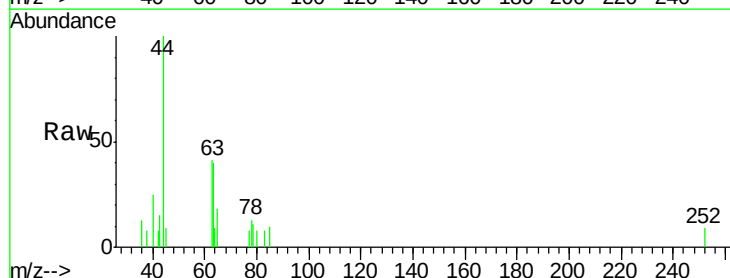
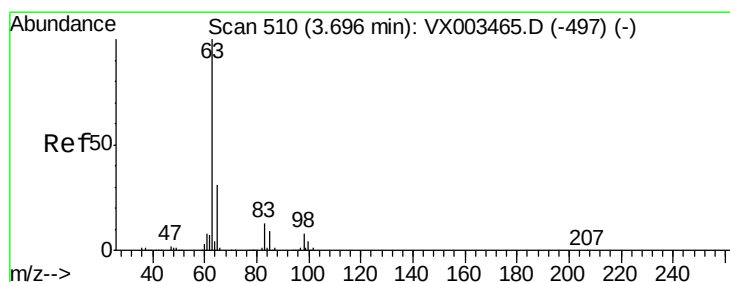
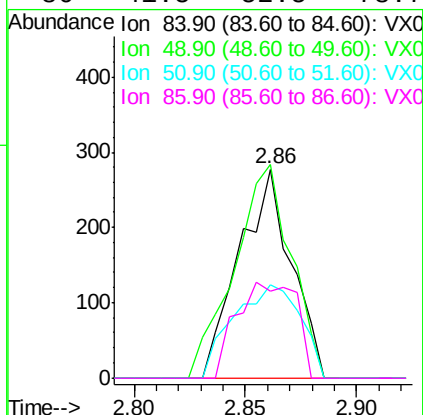
Ion Ratio Lower Upper

84 100

49 102.5 107.8 161.6#

51 44.8 32.8 49.2

86 41.5 52.5 78.7#



#24

1,1-Dichloroethane

Concen: 0.24 ug/l

RT: 3.71 min Scan# 512

Delta R.T. 0.01 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

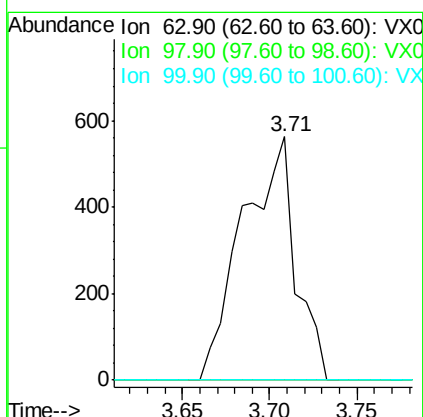
Tgt Ion: 63 Resp: 1192

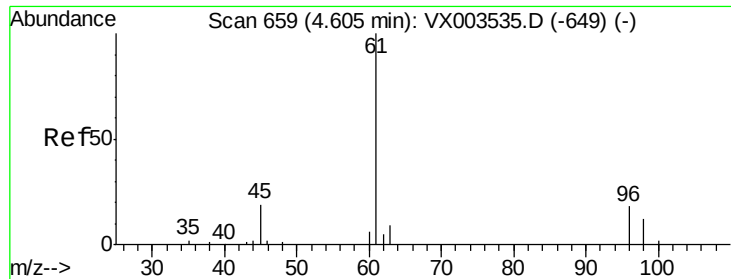
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.0 6.0#



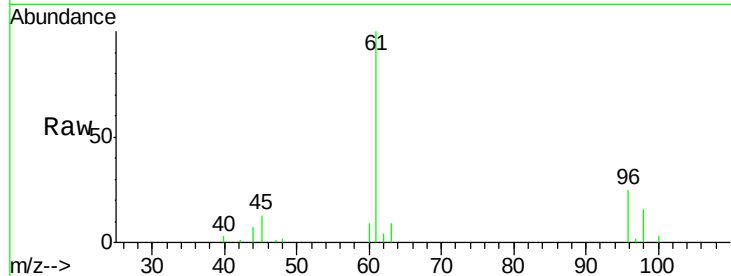


#27

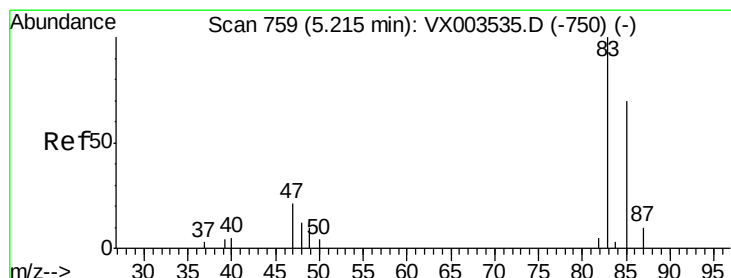
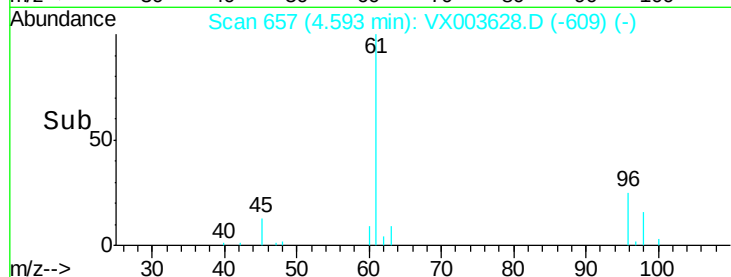
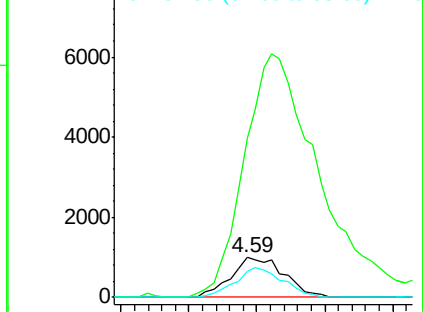
cis-1,2-Dichloroethene
Concen: 0.84 ug/l
RT: 4.59 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 2690
Ion Ratio Lower Upper
96 100
61 912.5 0.0 330.2#
98 67.8 0.0 130.2



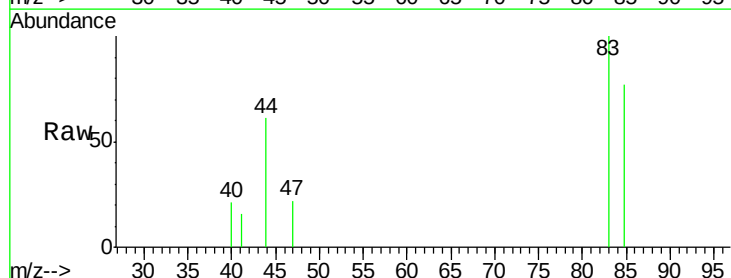
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



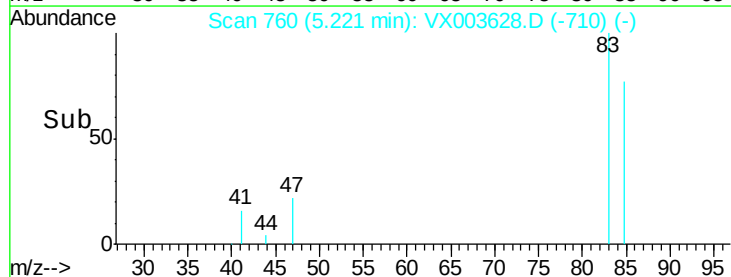
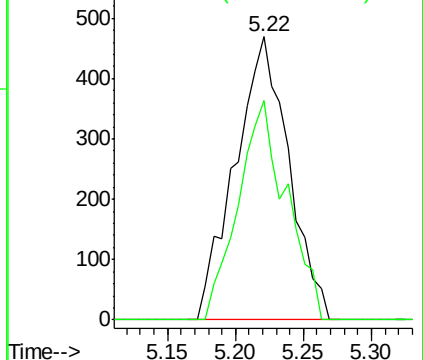
#30

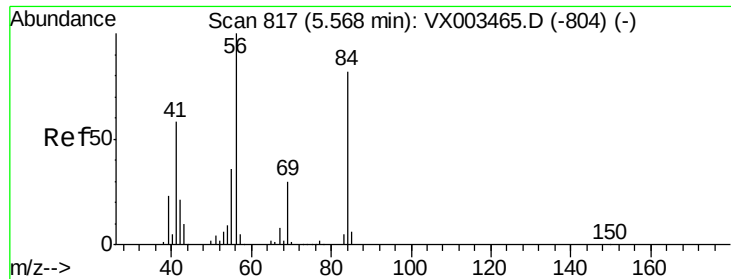
Chloroform
Concen: 0.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Tgt Ion: 83 Resp: 1293
Ion Ratio Lower Upper
83 100
85 77.4 50.4 75.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

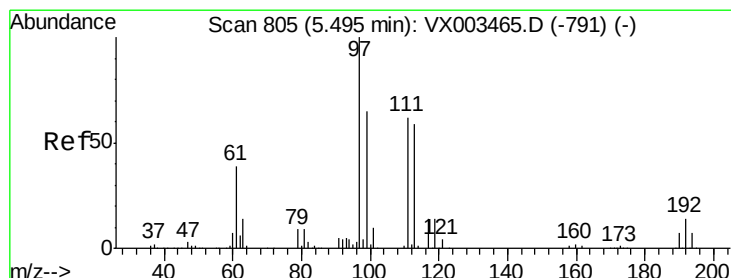
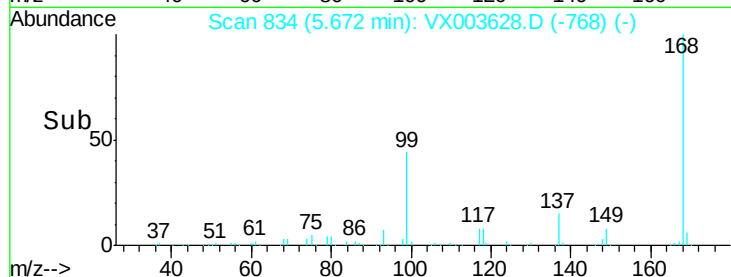
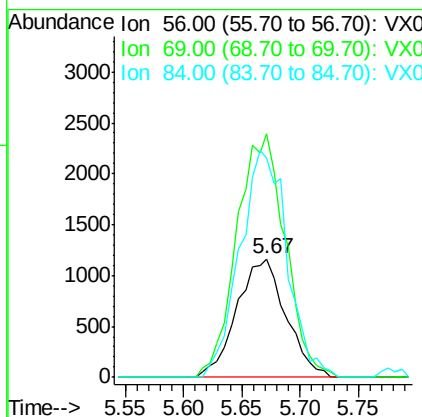
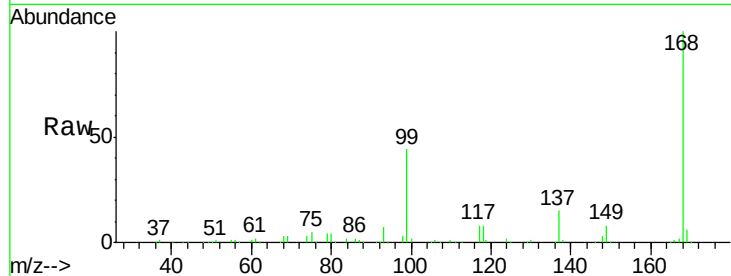




#31
Cyclohexane
Concen: 0.75 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.10 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

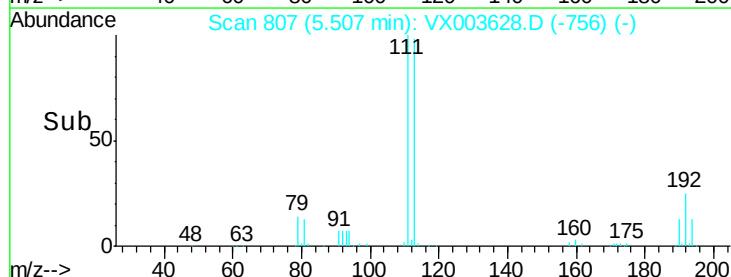
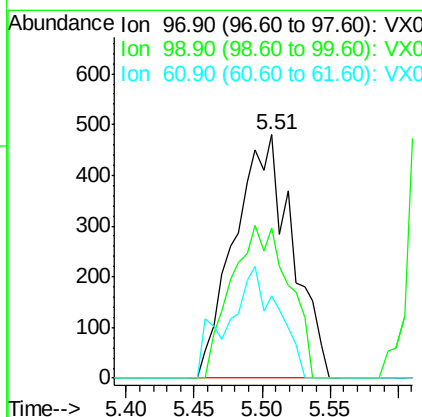
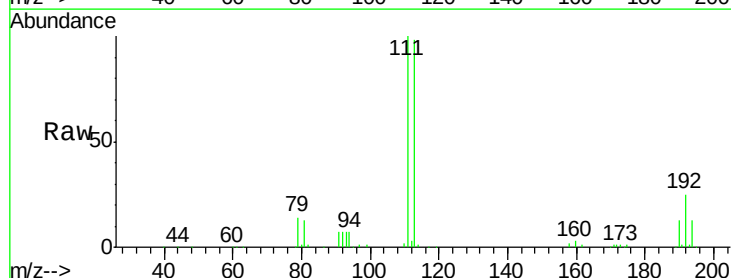
Instrument :
MSVOA_X
ClientSampleId :

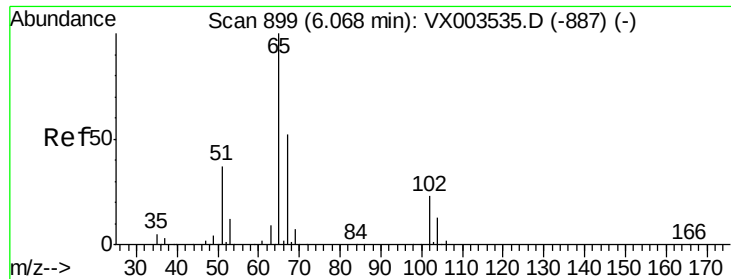
Tot Ion: 56 Resp: 3391
Ion Ratio Lower Upper
56 100
69 205.9 23.7 35.5#
84 185.3 64.1 96.1#



#32
1,1,1-Trichloroethane
Concen: 0.34 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Tgt Ion: 97 Resp: 1420
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 32.3 36.4 54.6#

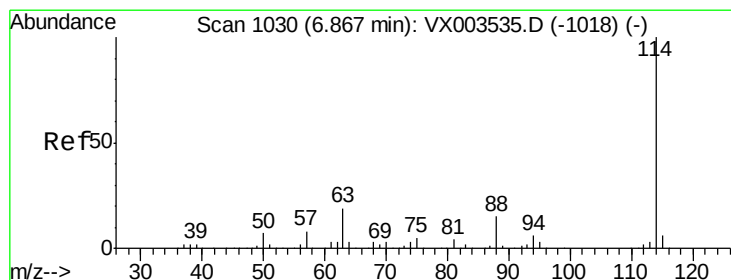
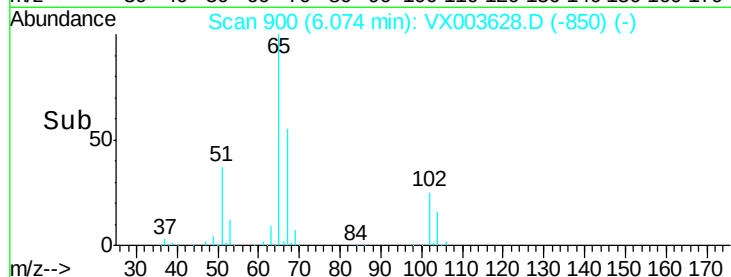
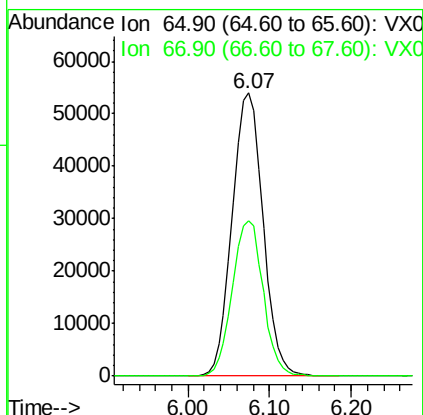
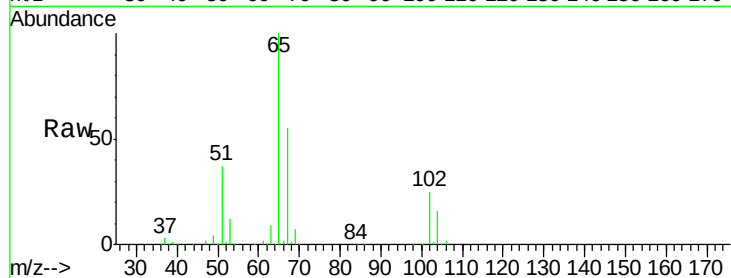




#33
 1,2-Dichloroethane-d4
 Concen: 47.34 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003628.D
 Acq: 24 Jul 2018 03:09

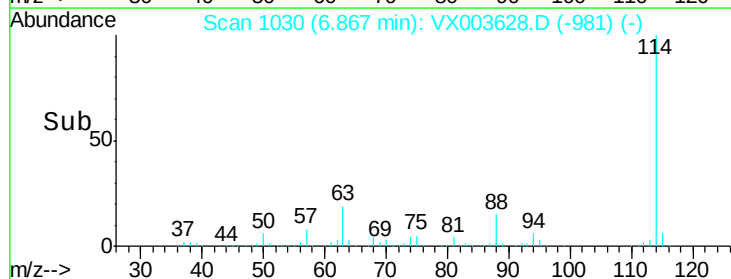
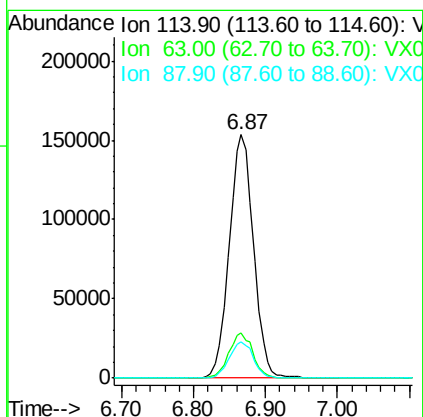
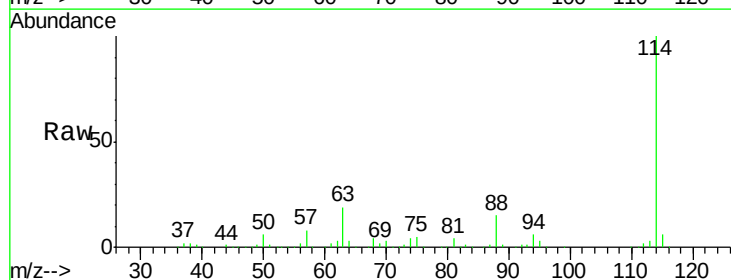
Instrument :
 MSVOA_X
 ClientSampled :

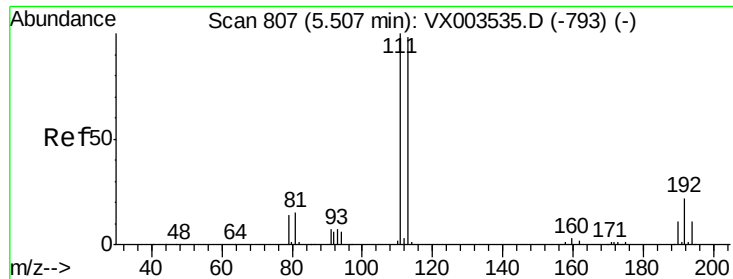
Tot Ion: 65 Resp: 141524
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003628.D
 Acq: 24 Jul 2018 03:09

Tgt Ion: 114 Resp: 359472
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 41.4
 88 15.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.13 ug/l

RT: 5.51 min Scan# 807

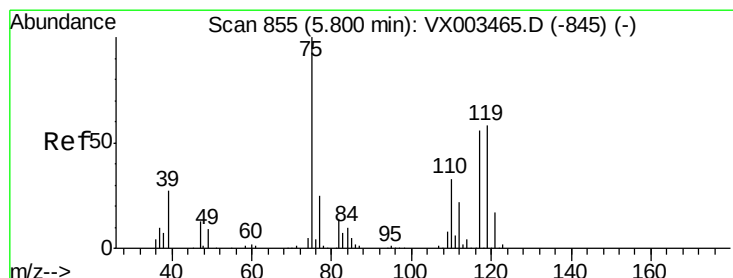
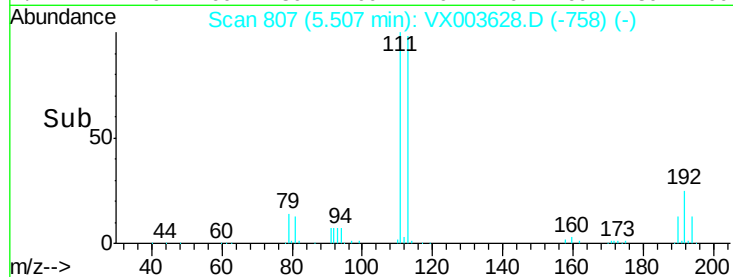
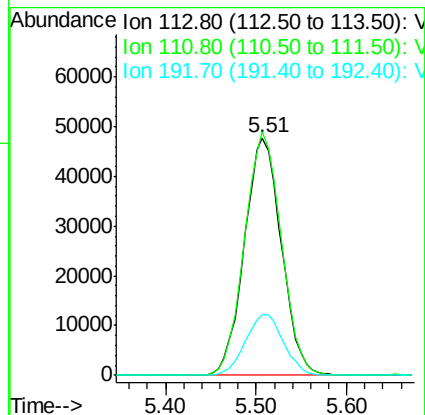
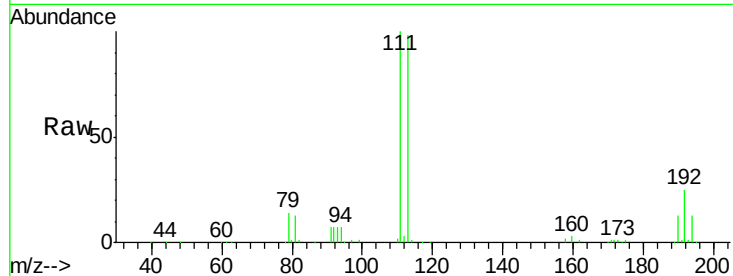
Delta R.T. 0.00 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	134509
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	26.4	19.1	28.7



#36

1,1-Dichloropropene

Concen: 3.65 ug/l

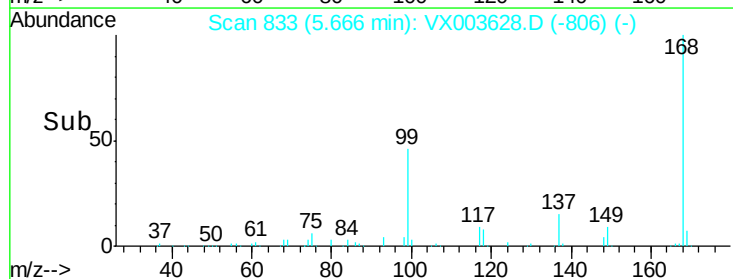
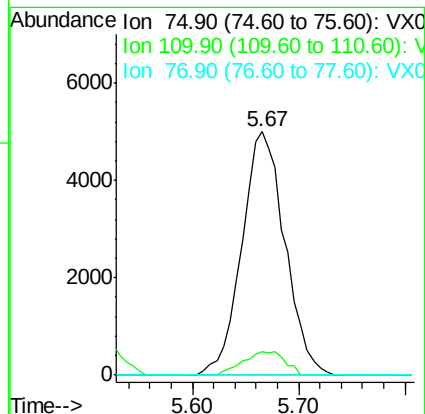
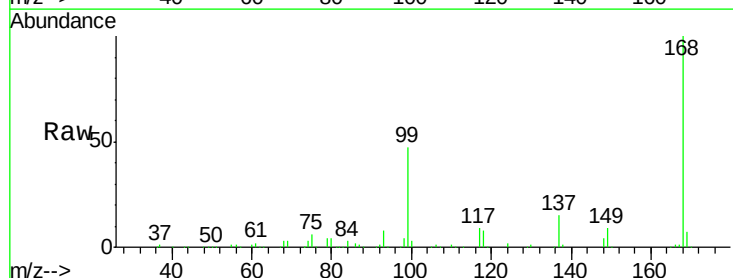
RT: 5.67 min Scan# 833

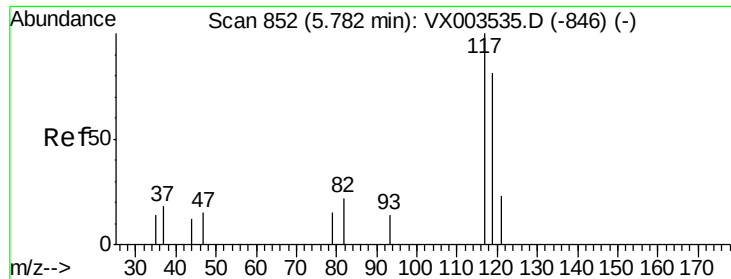
Delta R.T. -0.13 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Tgt Ion:	75	Resp:	14168
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.4#
77	0.0	24.3	36.5#

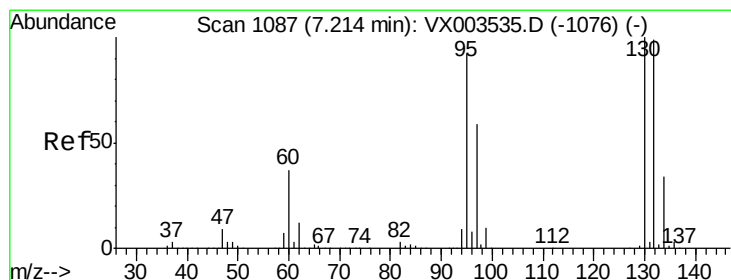
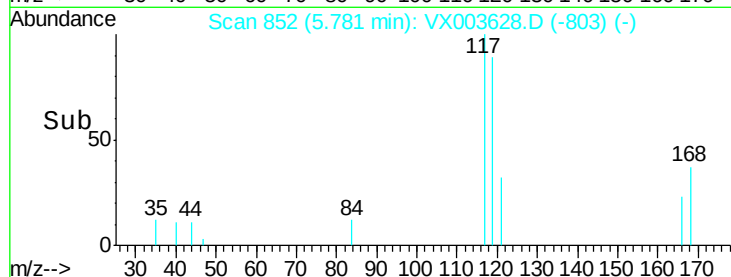
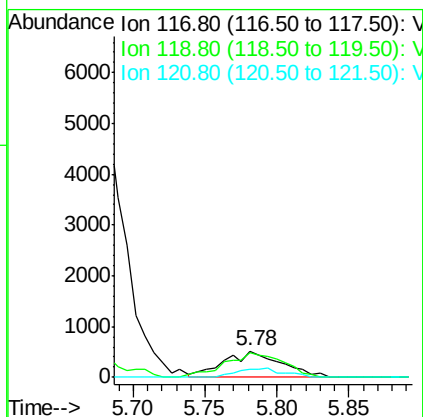
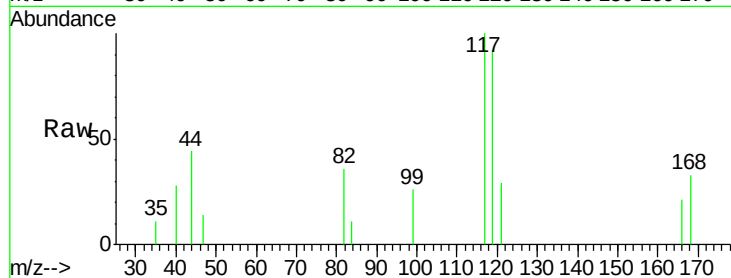




#38
Carbon Tetrachloride
Concen: 0.37 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

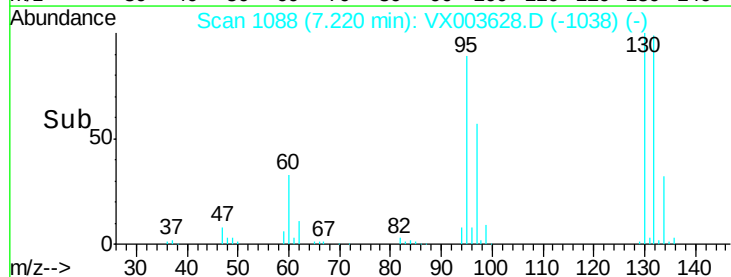
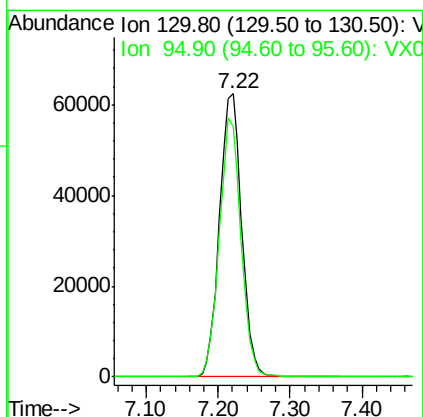
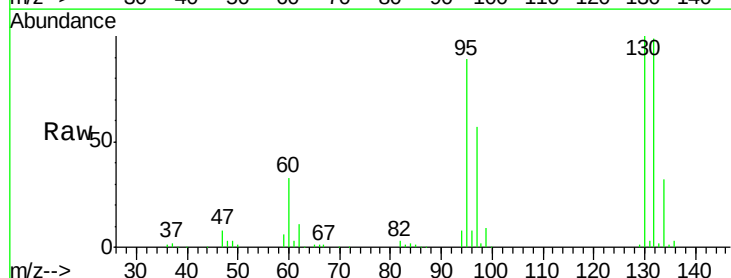
Instrument :
MSVOA_X
ClientSampleId :

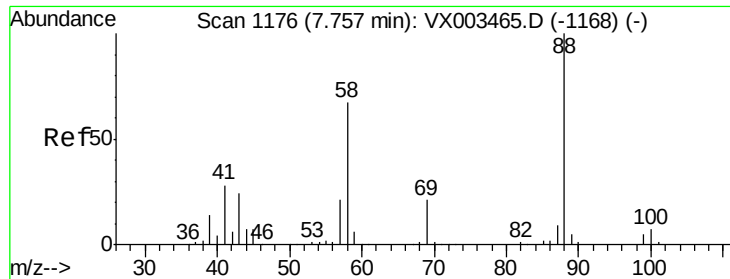
Tot Ion:117 Resp: 1426
Ion Ratio Lower Upper
117 100
119 92.1 77.4 116.0
121 28.6 24.4 36.6



#44
Trichloroethene
Concen: 38.36 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Tgt Ion:130 Resp: 134061
Ion Ratio Lower Upper
130 100
95 88.5 0.0 185.4

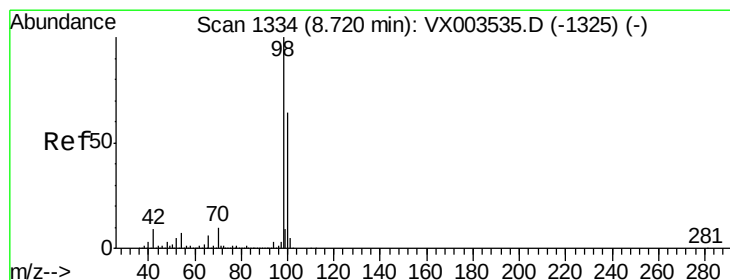
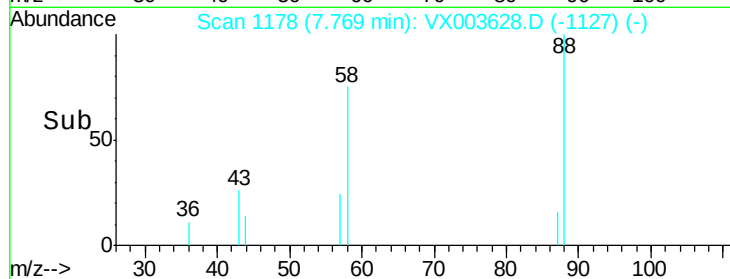
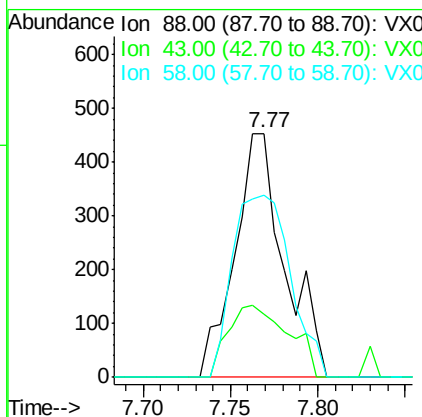
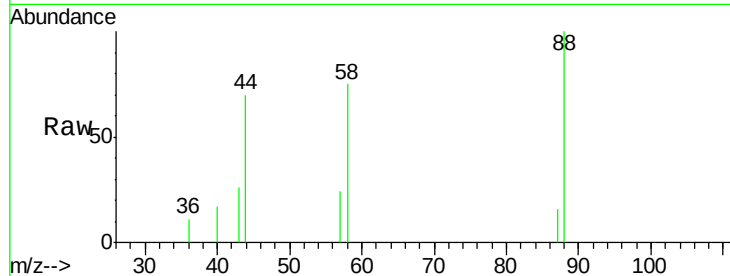




#49
 1,4-Dioxane
 Concen: 13.48 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: VX003628.D
 Acq: 24 Jul 2018 03:09

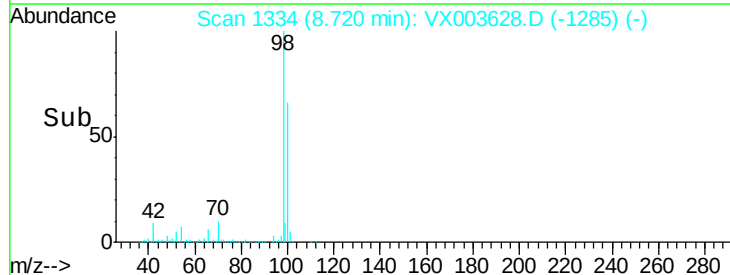
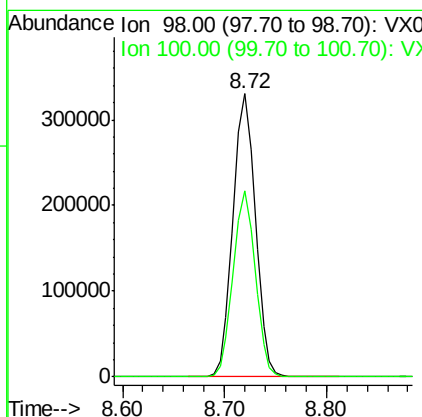
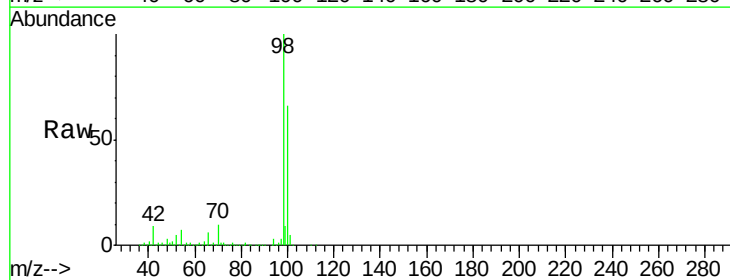
Instrument :
 MSVOA_X
 ClientSampled :

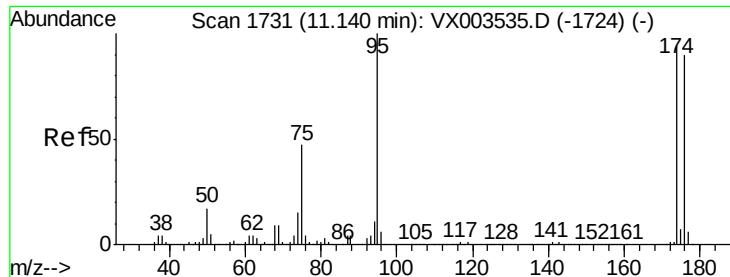
Tot Ion: 88 Resp: 900
 Ion Ratio Lower Upper
 88 100
 43 35.8 29.8 44.6
 58 87.0 57.1 85.7#



#50
 Toluene-d8
 Concen: 48.96 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003628.D
 Acq: 24 Jul 2018 03:09

Tgt Ion: 98 Resp: 503866
 Ion Ratio Lower Upper
 98 100
 100 64.9 50.9 76.3

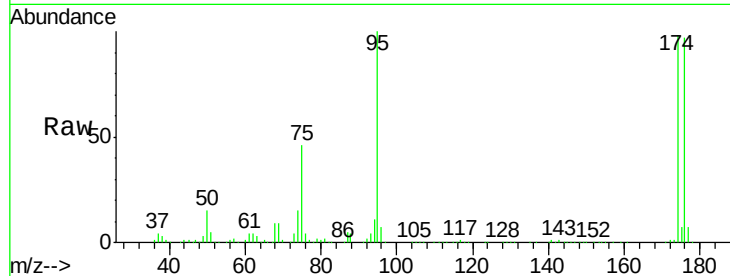




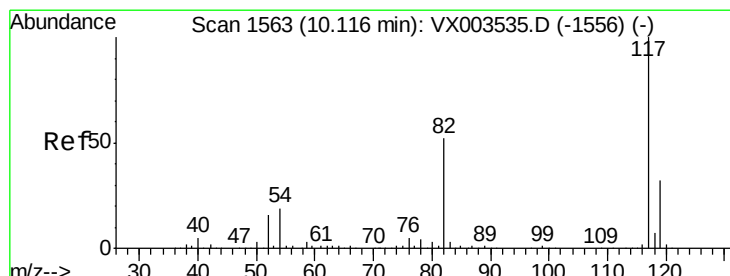
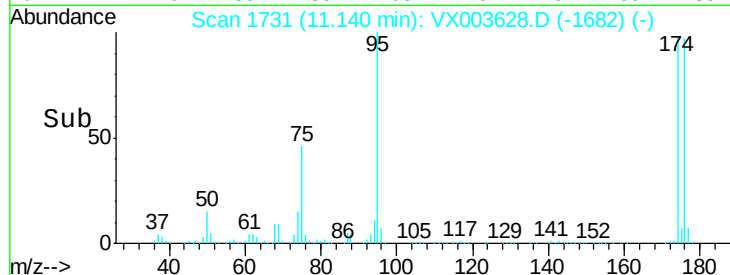
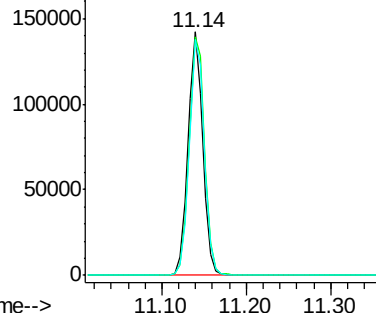
#62
4-Bromofluorobenzene
Concen: 45.70 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 171650
Ion Ratio Lower Upper
95 100
174 102.8 0.0 187.4
176 99.5 0.0 181.0

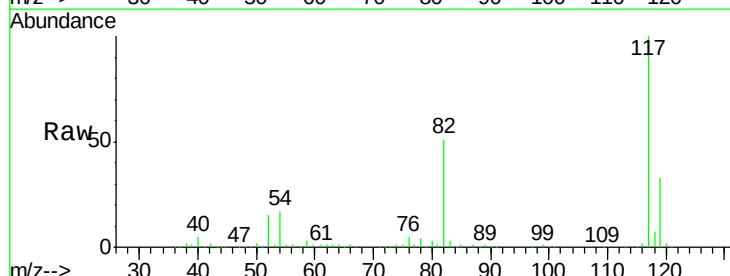


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

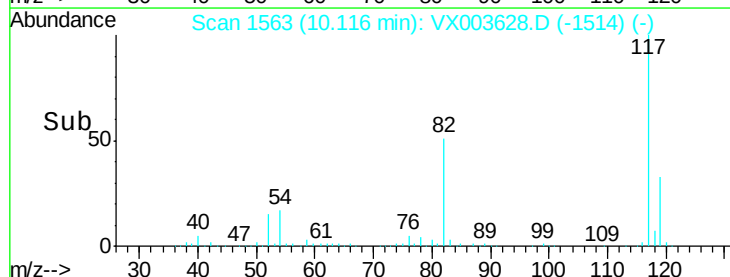
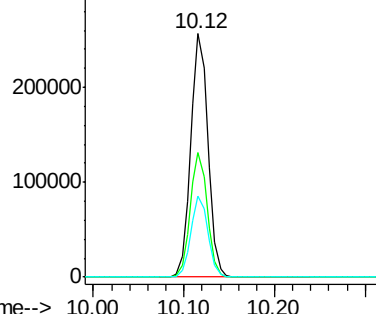


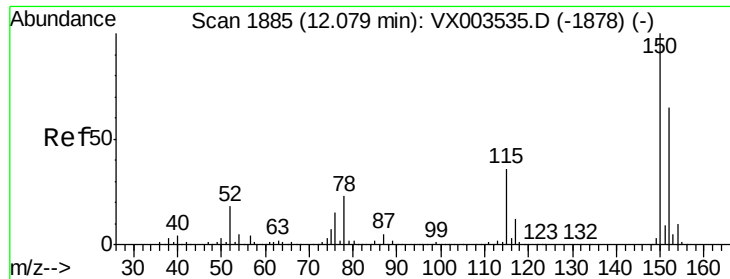
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003628.D
Acq: 24 Jul 2018 03:09

Tgt Ion: 117 Resp: 340966
Ion Ratio Lower Upper
117 100
82 51.2 45.0 67.4
119 33.3 25.8 38.6



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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :

MSVOA_X

ClientSampleId :

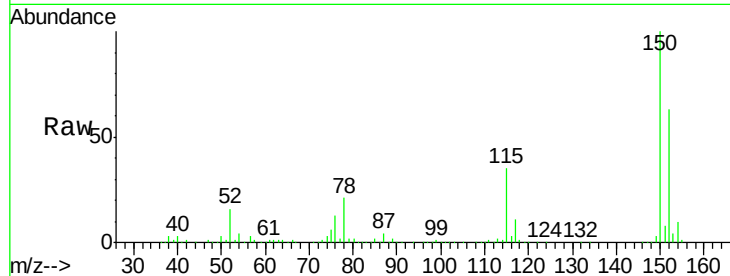
Tot Ion:152 Resp: 190753

Ion Ratio Lower Upper

152 100

115 52.7 40.1 120.2

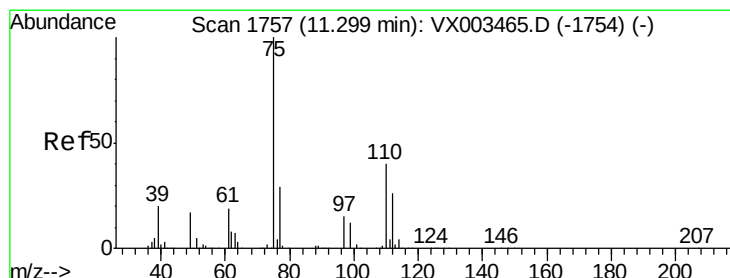
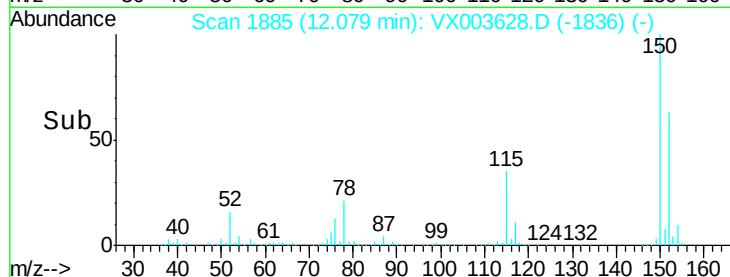
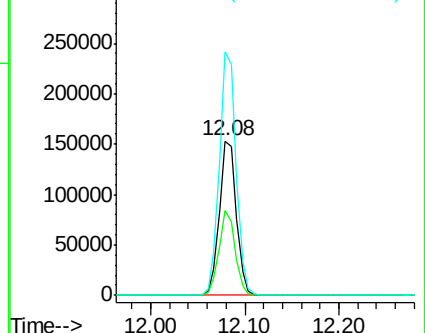
150 156.6 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003628.D

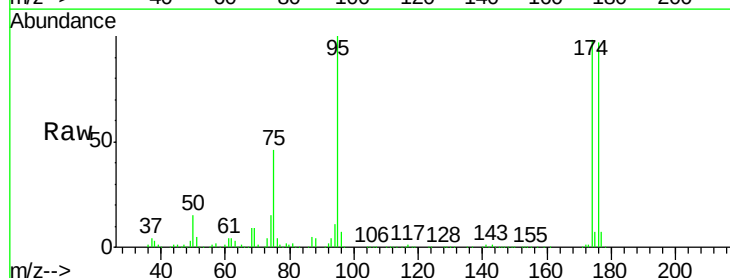
Acq: 24 Jul 2018 03:09

Tgt Ion: 75 Resp: 77769

Ion Ratio Lower Upper

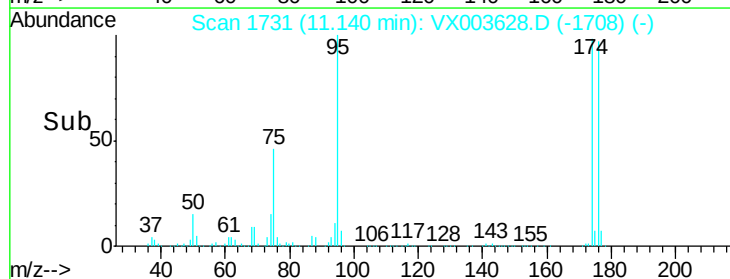
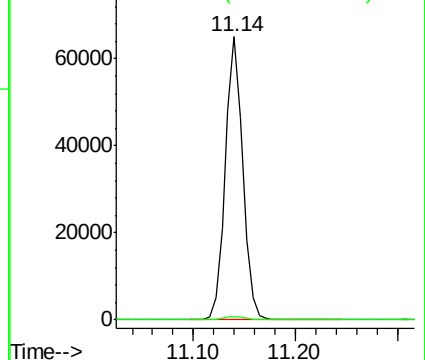
75 100

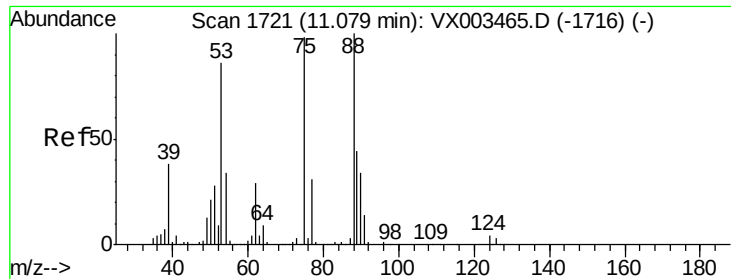
77 1.4 22.8 68.3#



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: 63.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003628.D

Acq: 24 Jul 2018 03:09

Instrument :

MSVOA_X

ClientSampleId :

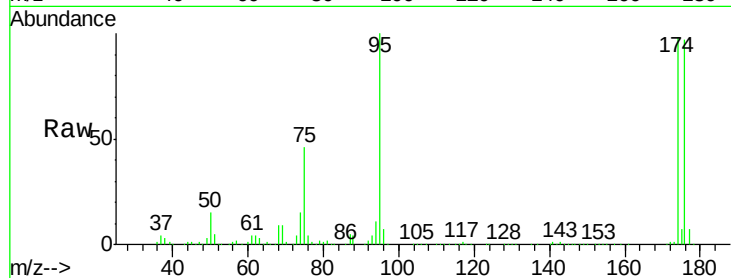
Tot Ion: 75 Resp: 77769

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#



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

