

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005638.D
 Acq On : 27 Oct 2018 06:54
 Operator : JC/MD
 Sample : J5692-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ140I-20181024

Quant Time: Oct 29 00:50:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141824	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	142549	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
35) Dibromofluoromethane	5.50	113	109858	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	8.71	98	391181	49.46	ug/l	0.00
Spiked Amount			Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.14	95	131675	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

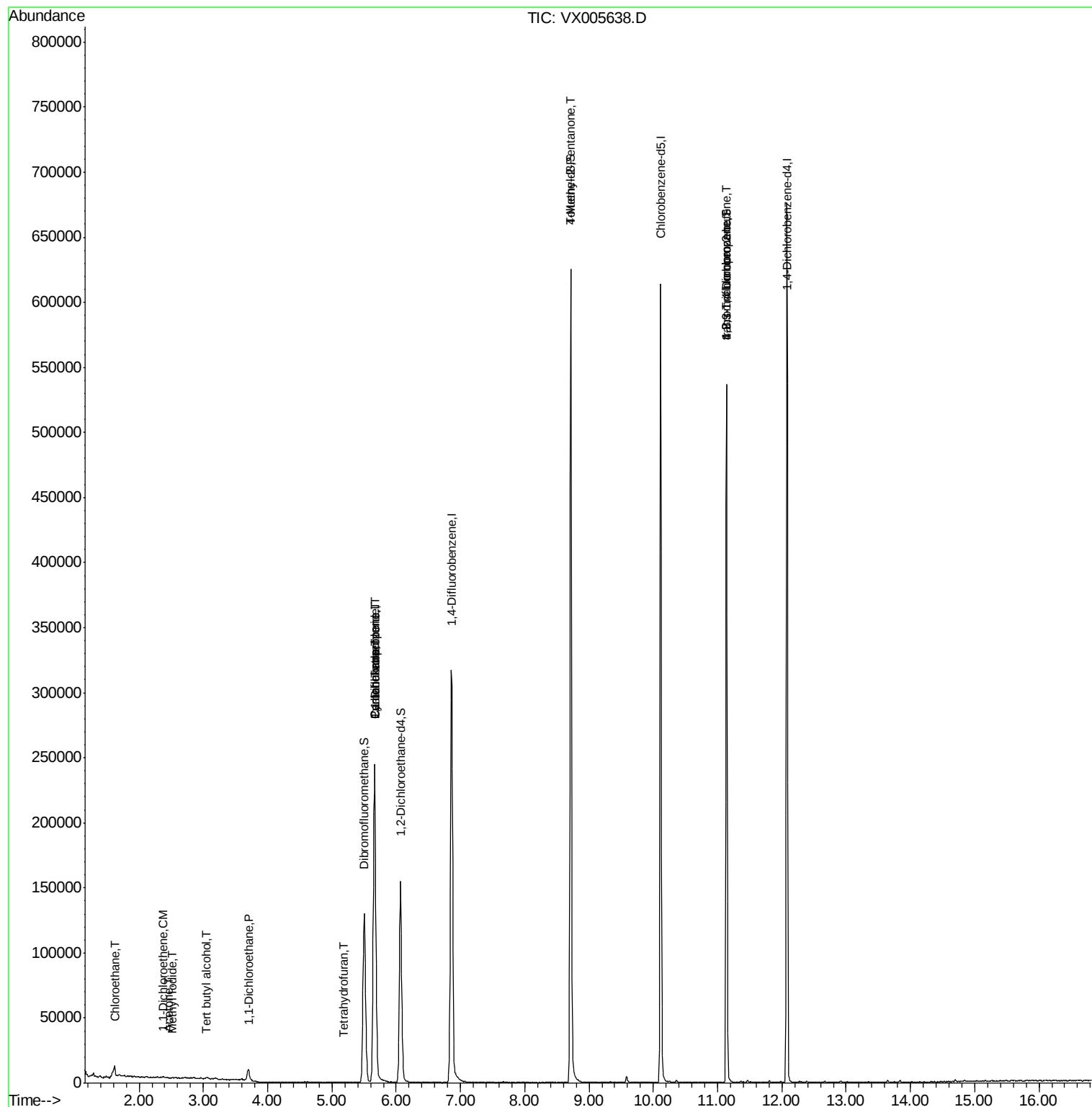
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	2361	1.193	ug/l #	65
10) Methyl Iodide	2.51	142	103	2.763	ug/l #	39
11) Tert butyl alcohol	3.06	59	1056	1.282	ug/l	99
12) 1,1-Dichloroethene	2.38	96	524	0.223	ug/l #	66
16) Acetone	2.45	43	519	0.321	ug/l #	19
18) Methyl Acetate	2.76	43	229	Below Cal	#	84
24) 1,1-Dichloroethane	3.70	63	8808	1.766	ug/l	96
29) Tetrahydrofuran	5.17	42	423	0.264	ug/l #	48
31) Cyclohexane	5.66	56	4347	1.054	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15848	5.023	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20946	6.304	ug/l #	15
51) 4-Methyl-2-Pentanone	8.71	43	1640	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65827	21.906	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	65827	71.580	ug/l #	9

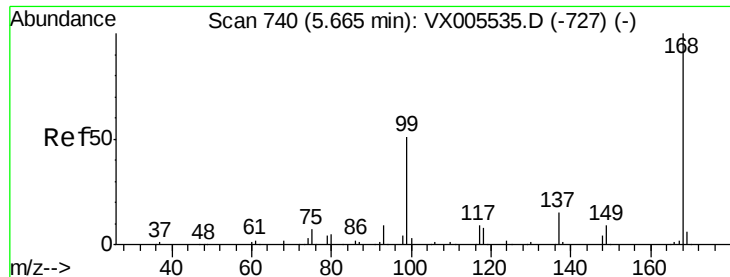
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

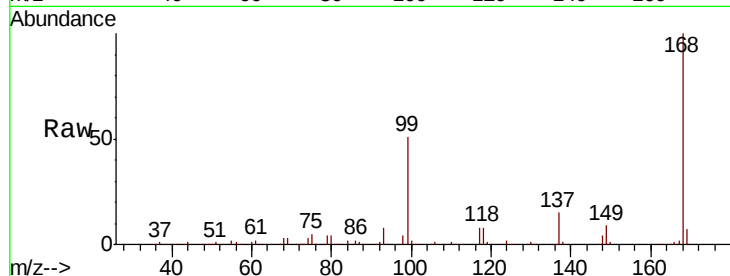
SA-PZ140I-20181024

Tot Ion:168 Resp: 250684

Ion Ratio Lower Upper

168 100

99 51.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

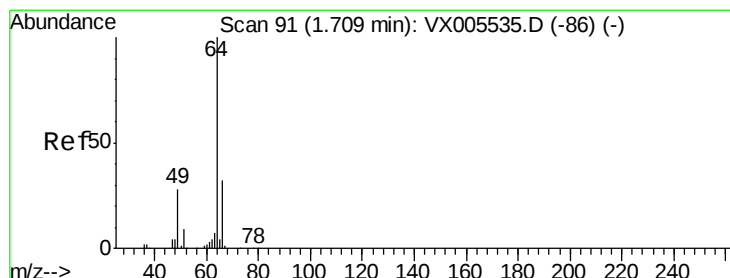
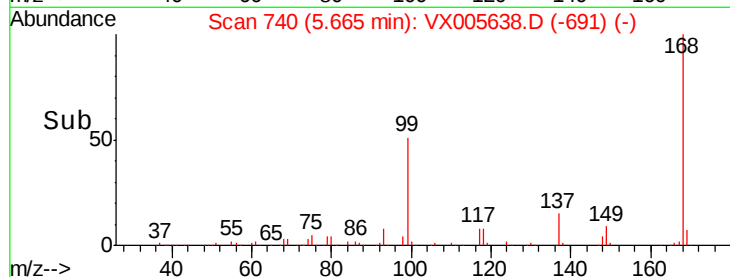
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 1.193 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX005638.D

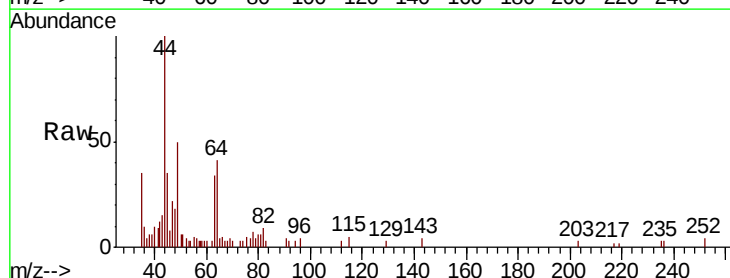
Acq: 27 Oct 2018 06:54

Tgt Ion: 64 Resp: 2361

Ion Ratio Lower Upper

64 100

66 12.8 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.62

1200

1000

800

600

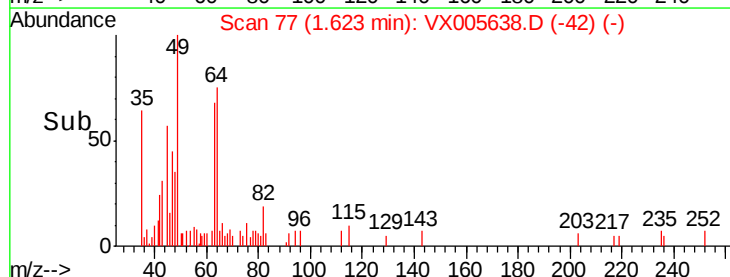
400

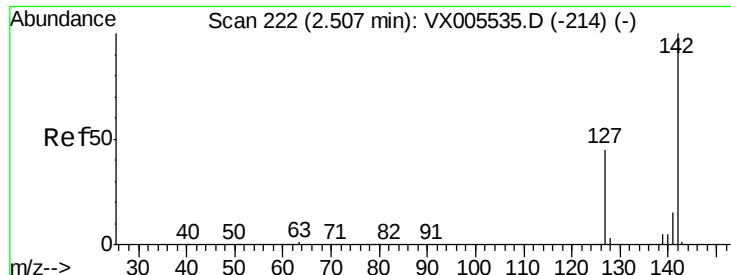
200

0

Time-->

1.55 1.60 1.65

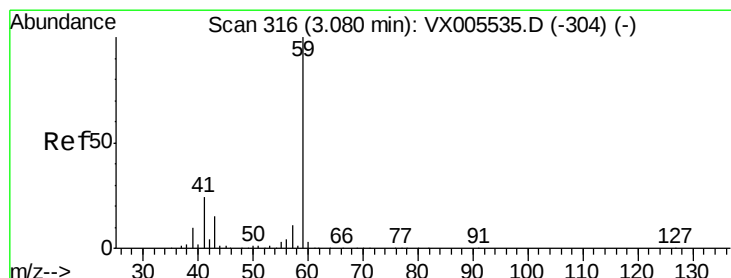
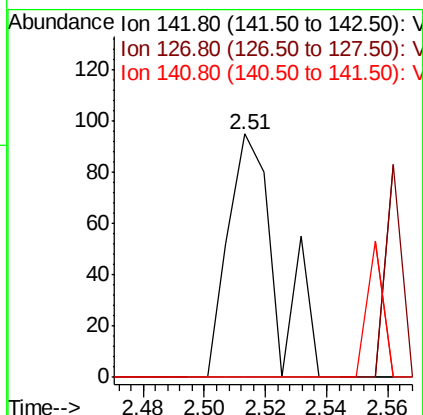
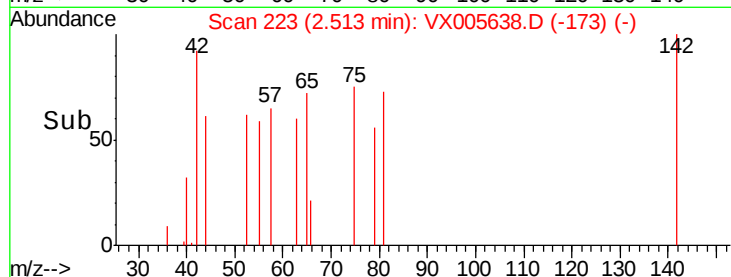
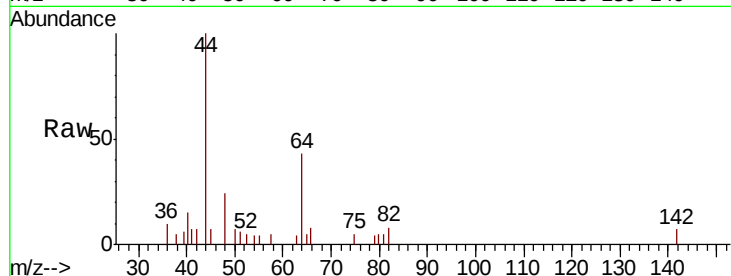




#10
Methyl Iodide
Concen: 2.763 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005638.D
Acq: 27 Oct 2018 06:54

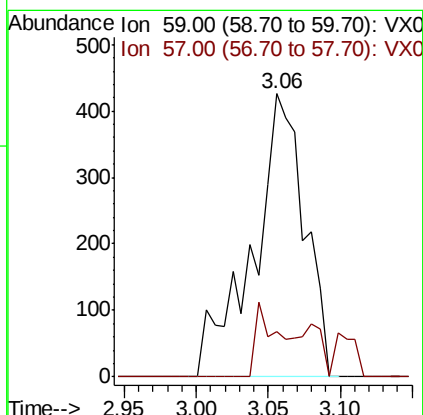
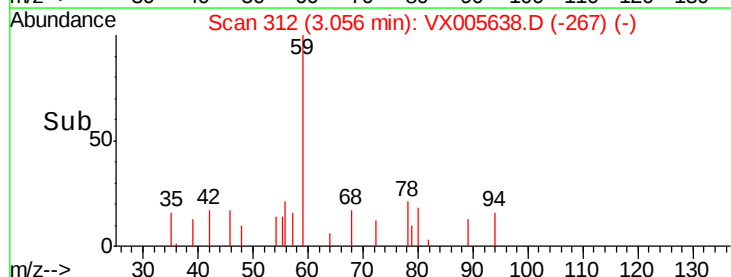
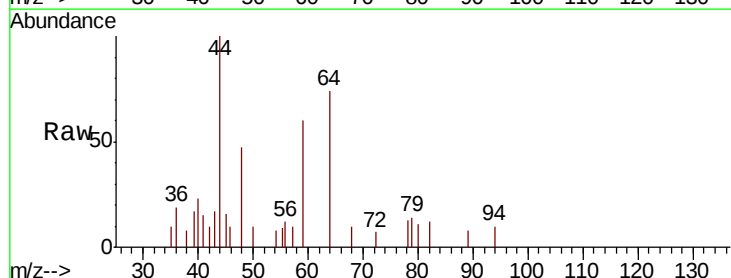
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20181024

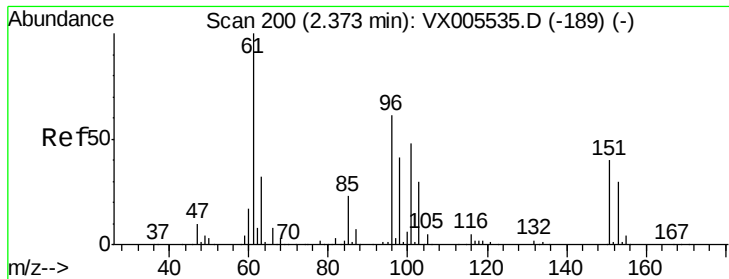
Tot Ion:142 Resp: 103
Ion Ratio Lower Upper
142 100
127 0.0 36.0 54.0#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.282 ug/l
RT: 3.06 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX005638.D
Acq: 27 Oct 2018 06:54

Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7





#12

1,1-Dichloroethene

Concen: 0.223 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20181024

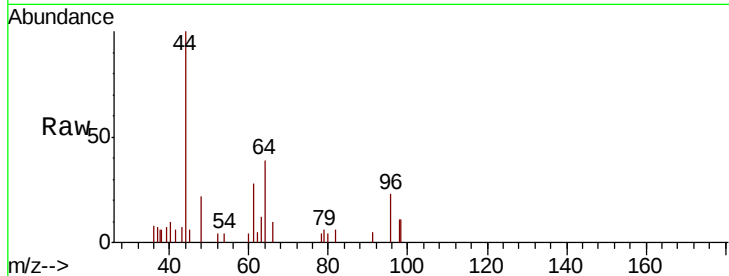
Tot Ion: 96 Resp: 524

Ion Ratio Lower Upper

96 100

61 124.0 131.8 197.8#

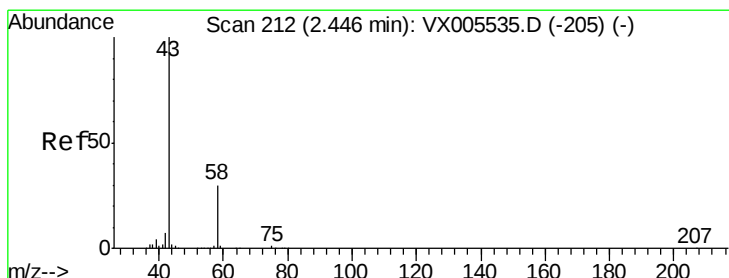
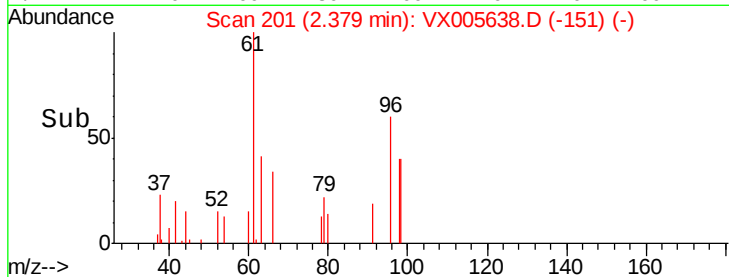
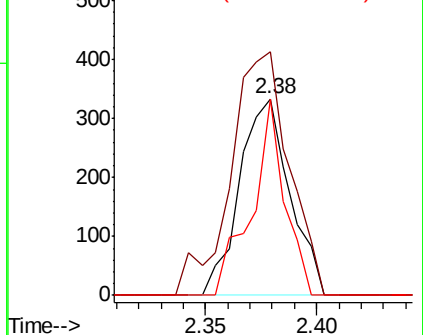
98 100.3 53.4 80.2#



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



#16

Acetone

Concen: 0.321 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005638.D

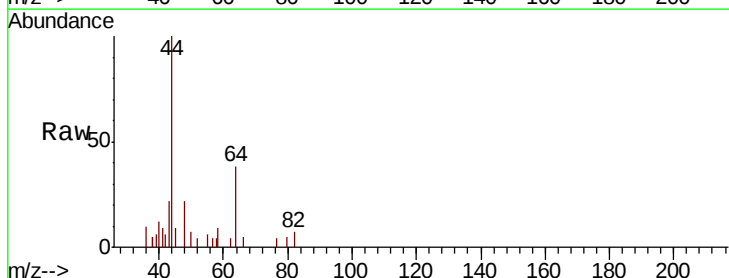
Acq: 27 Oct 2018 06:54

Tgt Ion: 43 Resp: 519

Ion Ratio Lower Upper

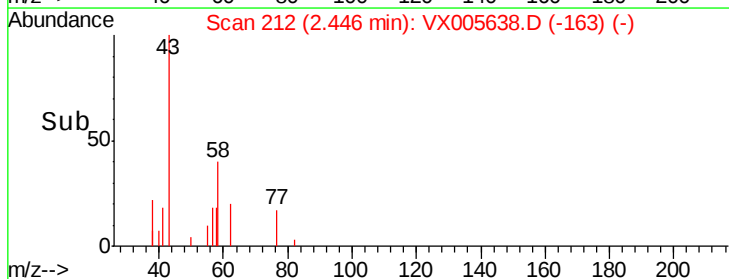
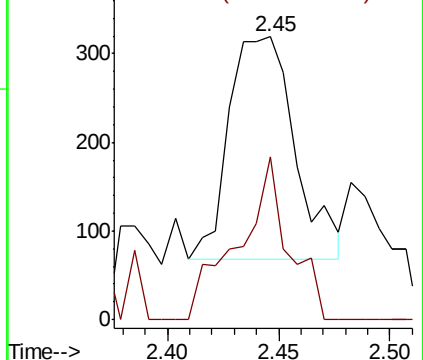
43 100

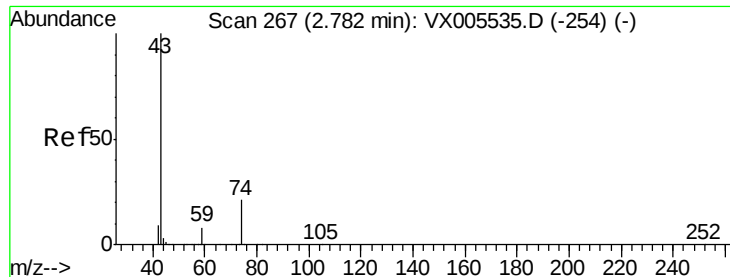
58 73.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: Below Cal

RT: 2.76 min Scan# 264

Delta R.T. -0.02 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

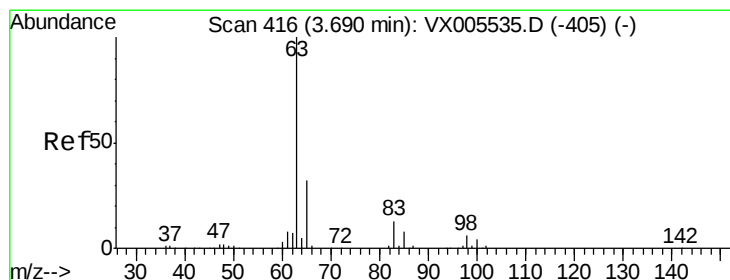
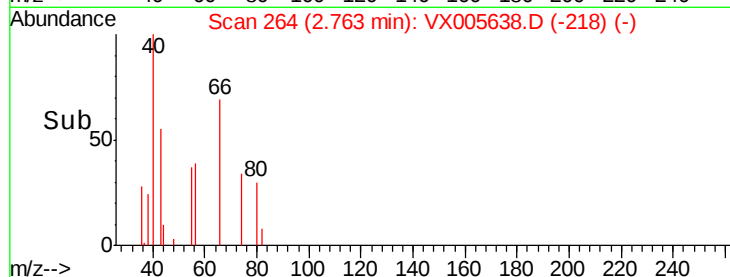
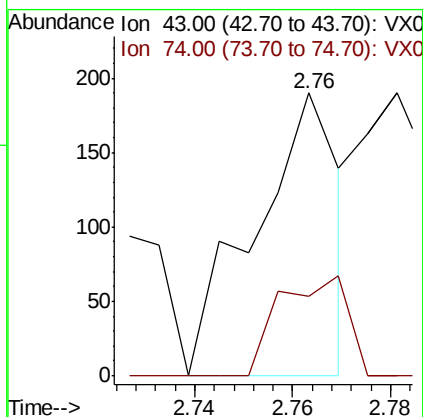
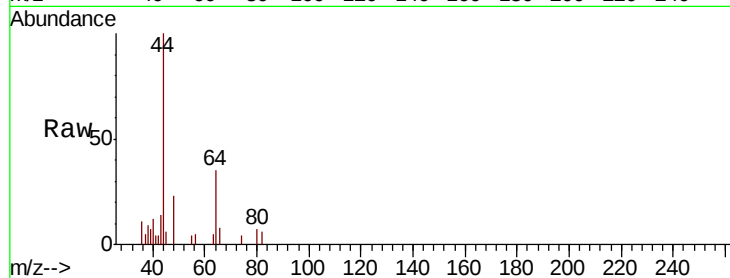
SA-PZ140I-20181024

Tot Ion: 43 Resp: 229

Ion Ratio Lower Upper

43 100

74 28.4 16.8 25.2#



#24

1,1-Dichloroethane

Concen: 1.766 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

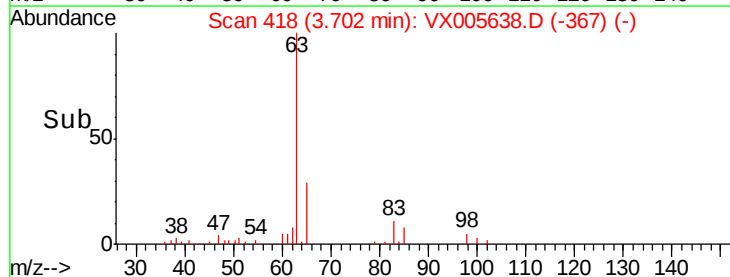
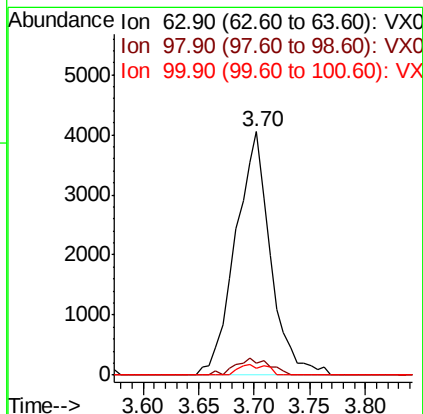
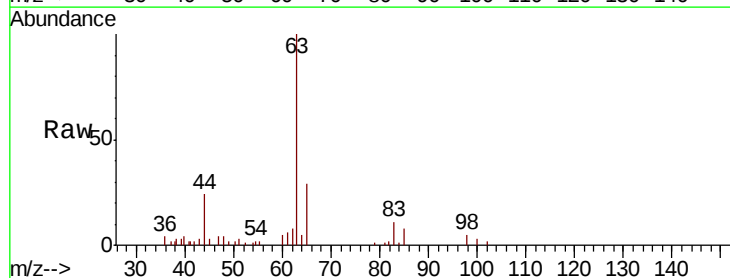
Tgt Ion: 63 Resp: 8808

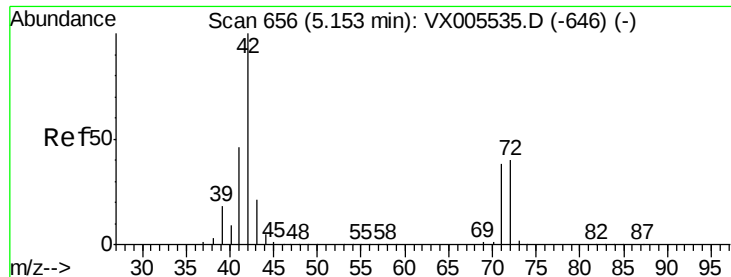
Ion Ratio Lower Upper

63 100

98 5.0 3.2 9.6

100 2.8 2.1 6.2





#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20181024

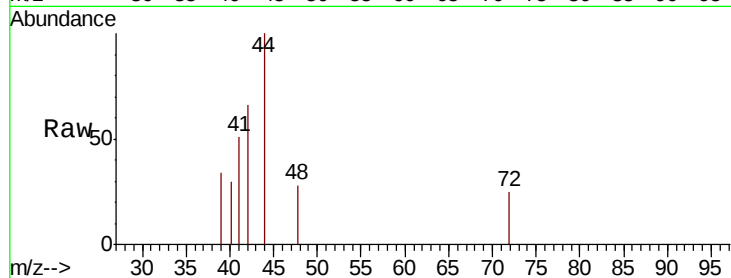
Tot Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 14.2 32.0 48.0#

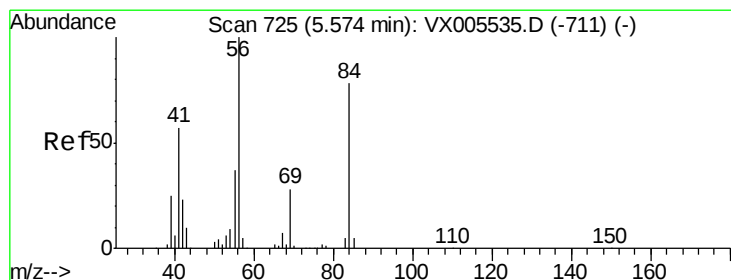
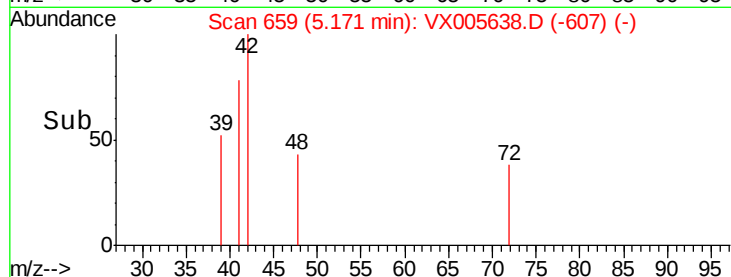
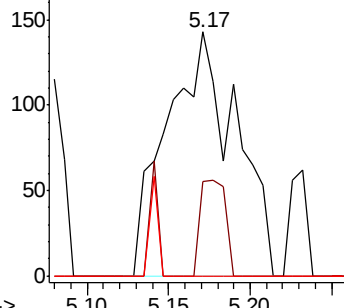
71 0.0 29.8 44.8#



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: 1.054 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

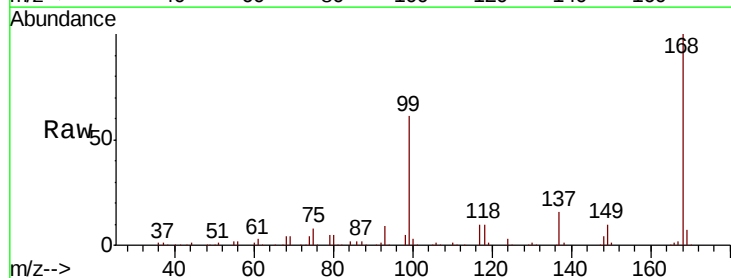
Tgt Ion: 56 Resp: 4347

Ion Ratio Lower Upper

56 100

69 200.3 22.6 34.0#

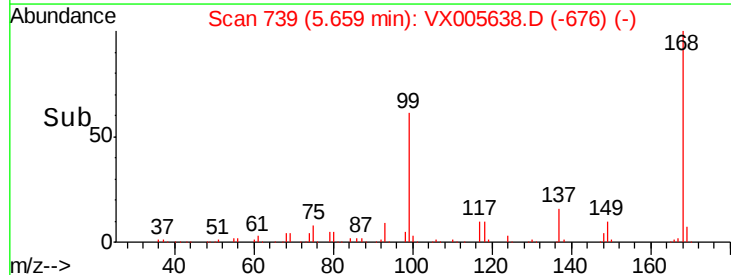
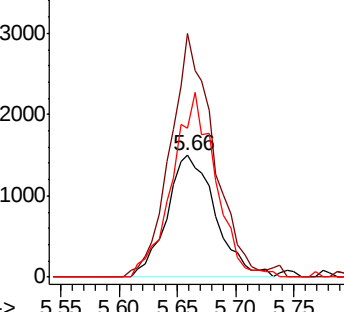
84 122.7 62.7 94.1#

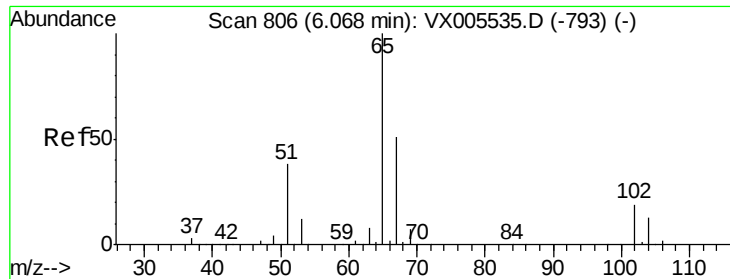


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.583 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

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ClientSampleId :

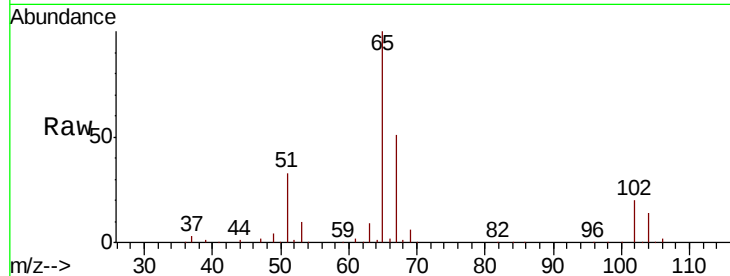
SA-PZ140I-20181024

Tot Ion: 65 Resp: 142549

Ion Ratio Lower Upper

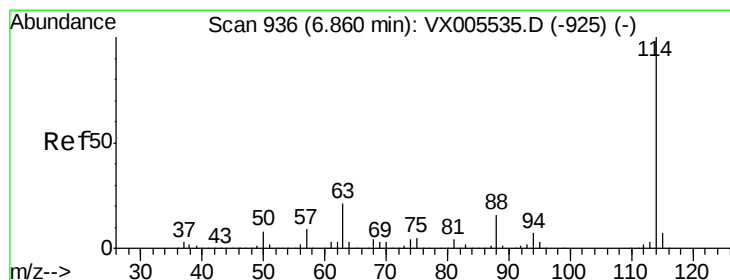
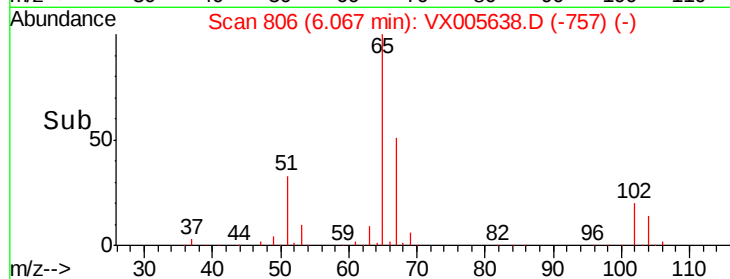
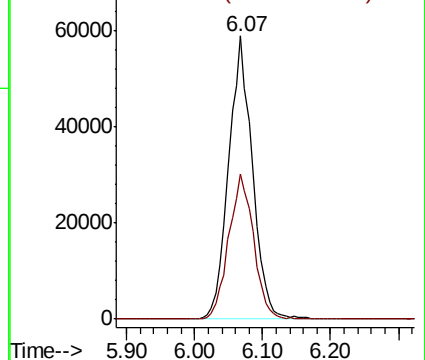
65 100

67 53.7 0.0 105.0



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

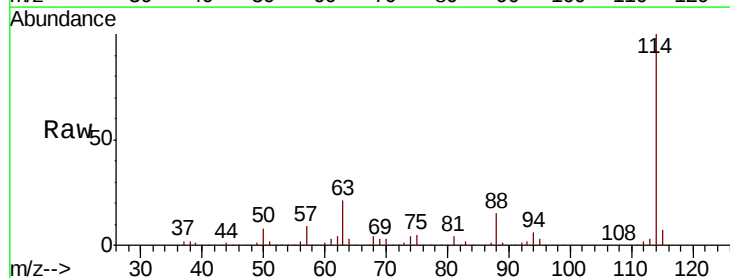
Tgt Ion: 114 Resp: 325091

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.8

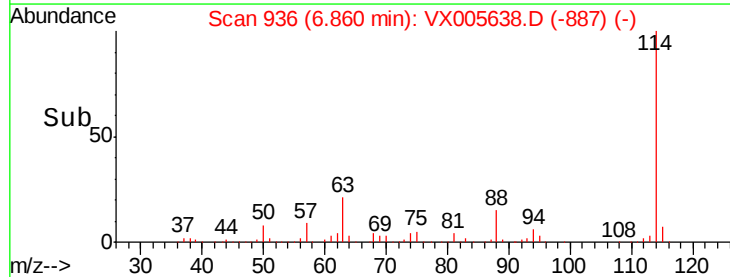
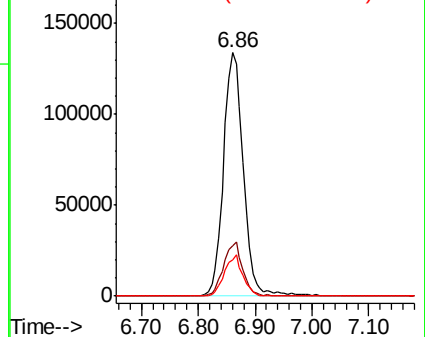
88 15.2 0.0 31.2

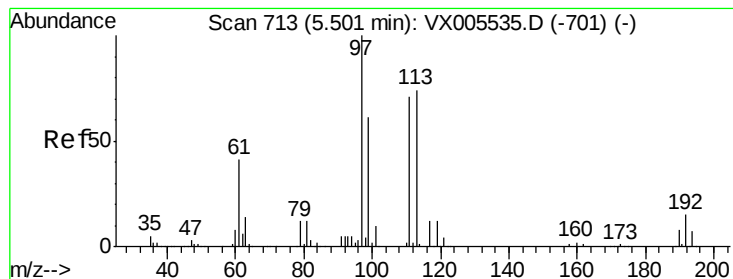


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.907 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

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ClientSampleId :

SA-PZ140I-20181024

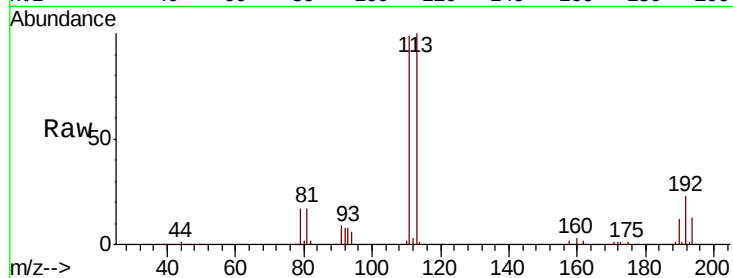
Tot Ion:113 Resp: 109858

Ion Ratio Lower Upper

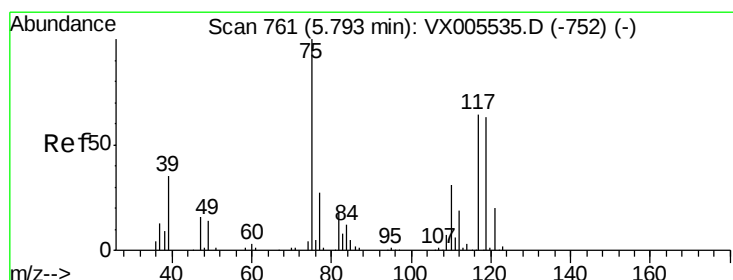
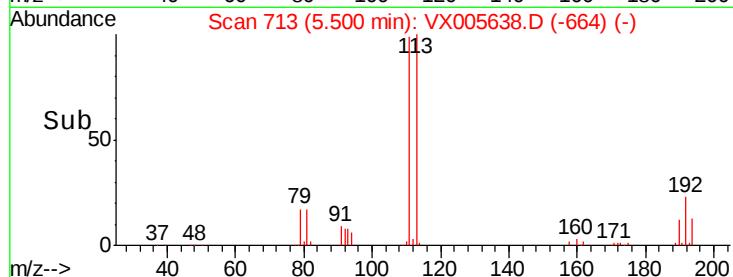
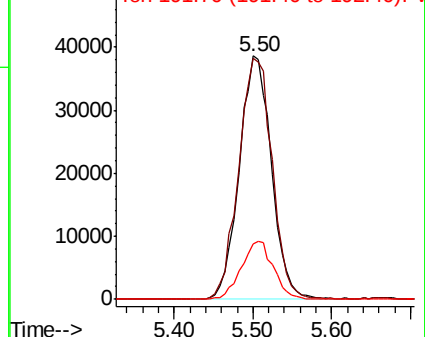
113 100

111 102.9 82.3 123.5

192 23.7 17.9 26.9



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: 5.023 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

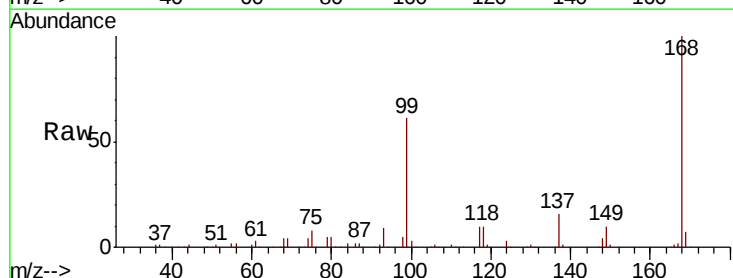
Tgt Ion: 75 Resp: 15848

Ion Ratio Lower Upper

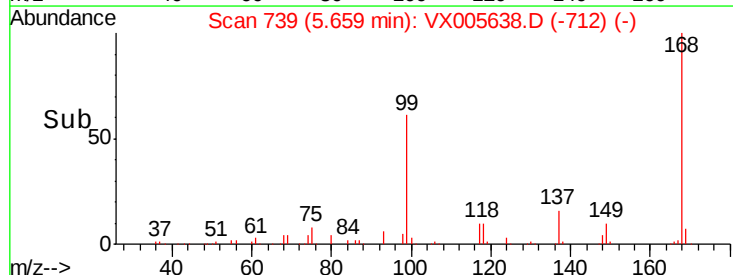
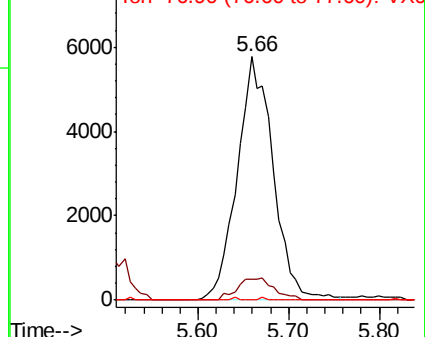
75 100

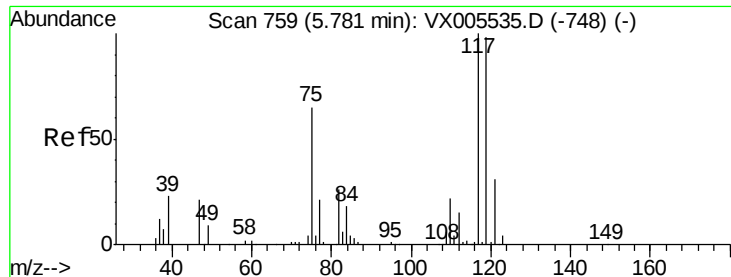
110 9.3 17.4 52.2#

77 0.2 25.8 38.6#



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: 6.304 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ140I-20181024

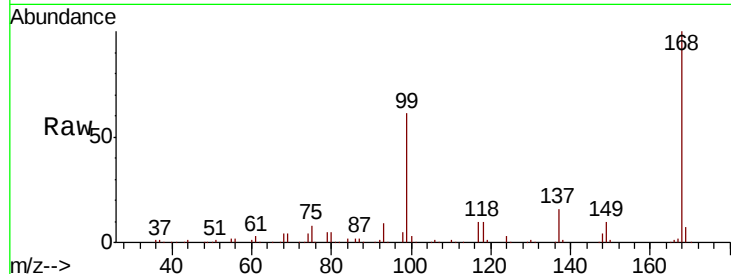
Tot Ion:117 Resp: 20946

Ion Ratio Lower Upper

117 100

119 5.3 78.1 117.1#

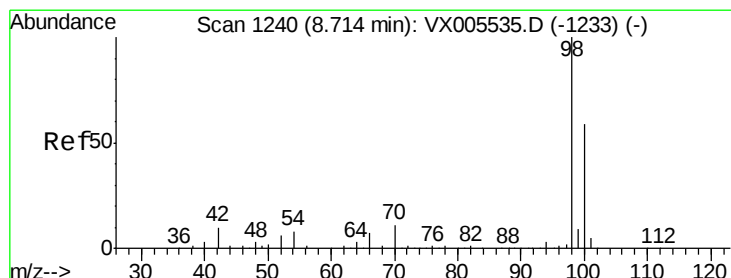
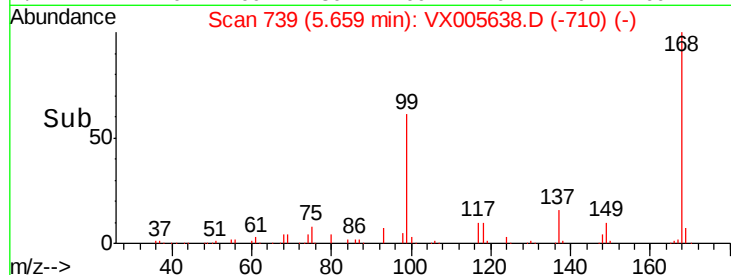
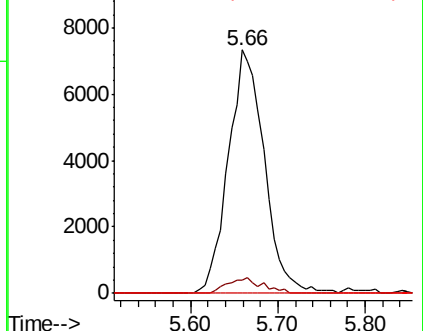
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.457 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005638.D

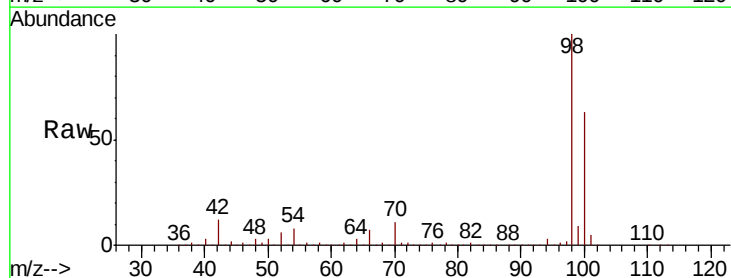
Acq: 27 Oct 2018 06:54

Tgt Ion: 98 Resp: 391181

Ion Ratio Lower Upper

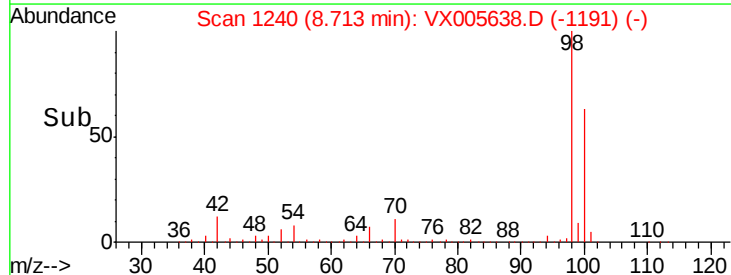
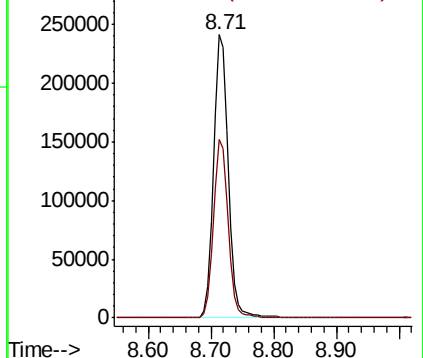
98 100

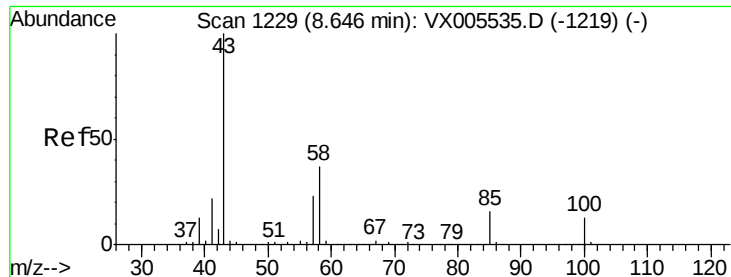
100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.404 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

Instrument :

MSVOA_X

ClientSampleId :

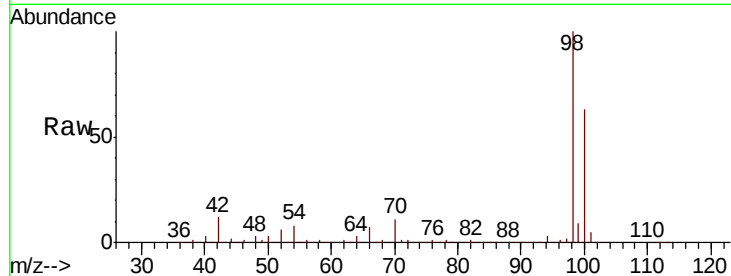
SA-PZ140I-20181024

Tot Ion: 43 Resp: 1640

Ion Ratio Lower Upper

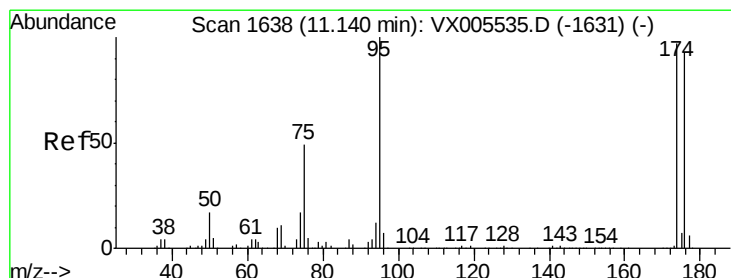
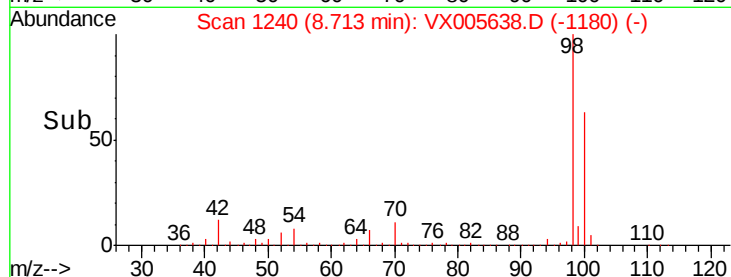
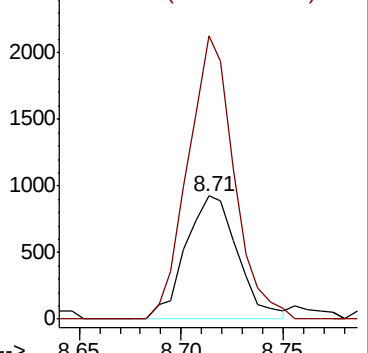
43 100

58 204.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.083 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005638.D

Acq: 27 Oct 2018 06:54

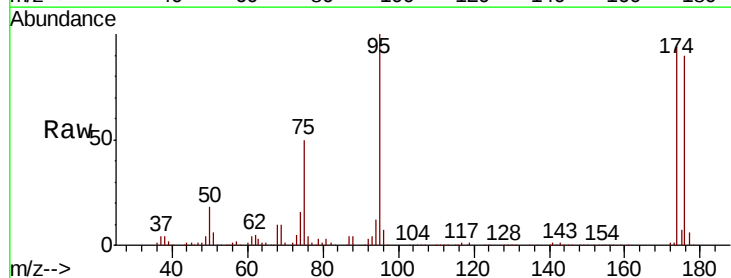
Tgt Ion: 95 Resp: 131675

Ion Ratio Lower Upper

95 100

174 93.0 0.0 184.4

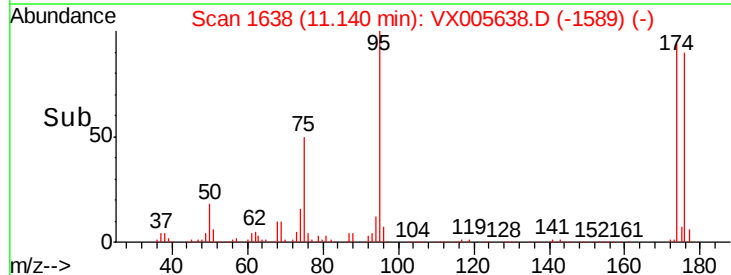
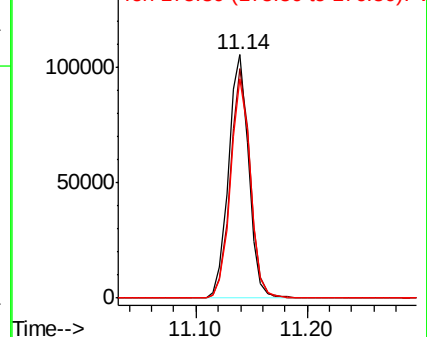
176 89.5 0.0 177.4

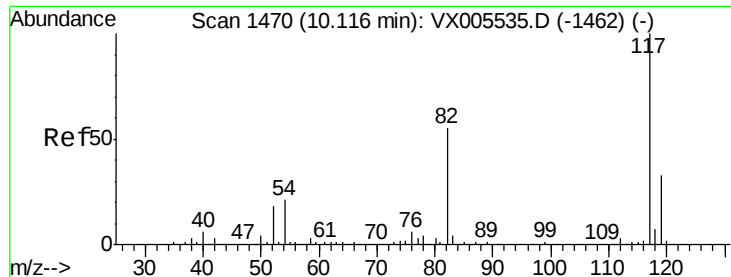


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

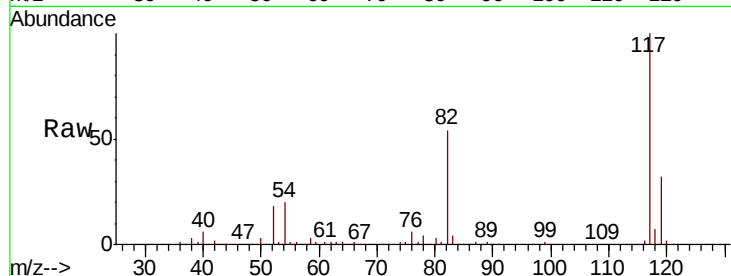




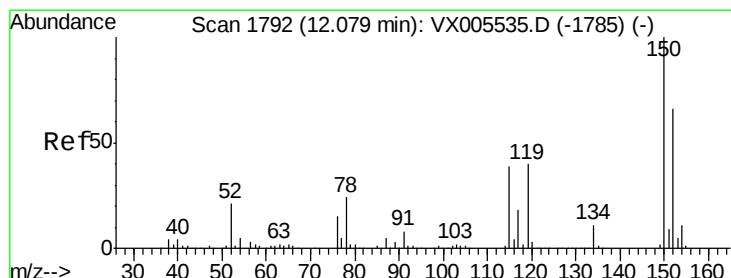
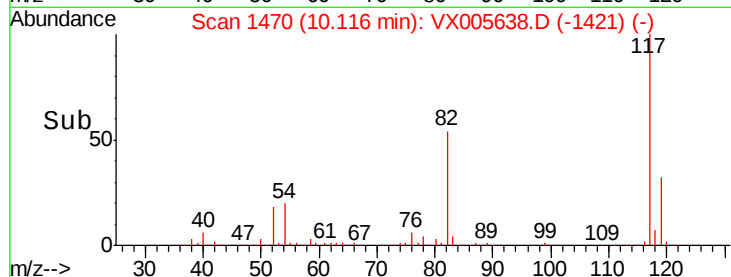
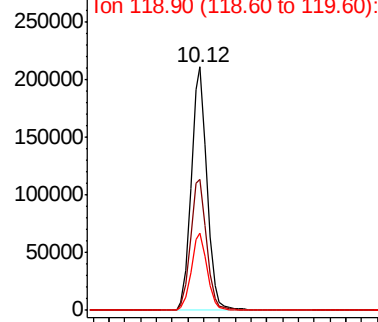
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005638.D
Acq: 27 Oct 2018 06:54

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ140I-20181024

Tot Ion:117 Resp: 292189
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 31.7 26.2 39.2

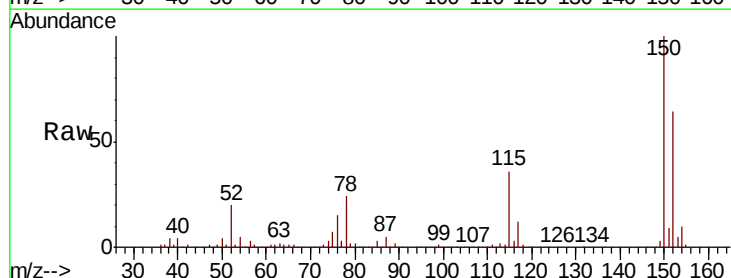


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

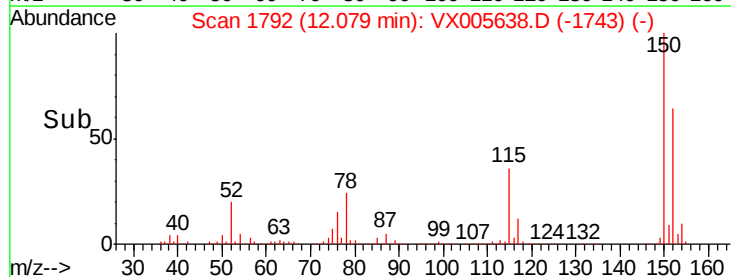
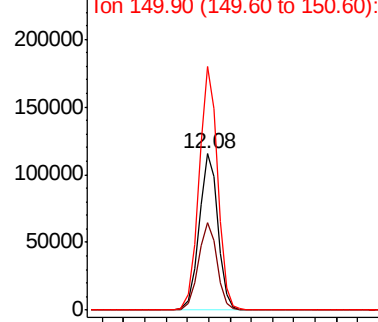


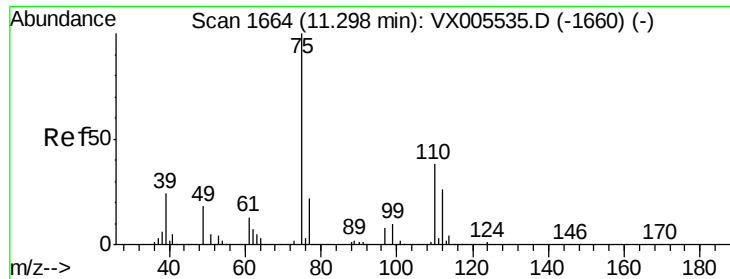
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005638.D
Acq: 27 Oct 2018 06:54

Tgt Ion:152 Resp: 141824
Ion Ratio Lower Upper
152 100
115 55.8 39.4 118.1
150 155.2 0.0 346.4



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

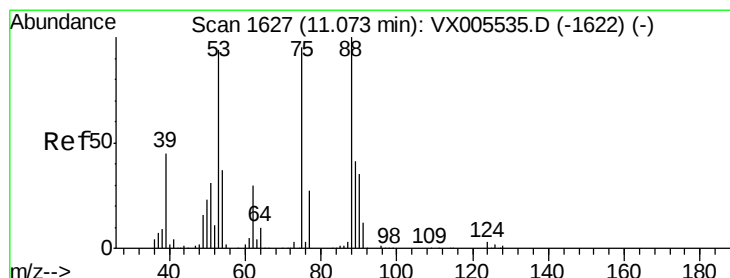
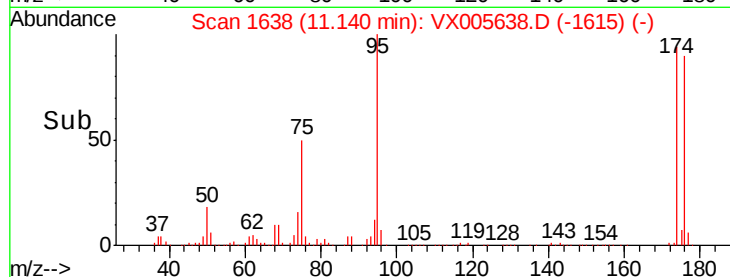
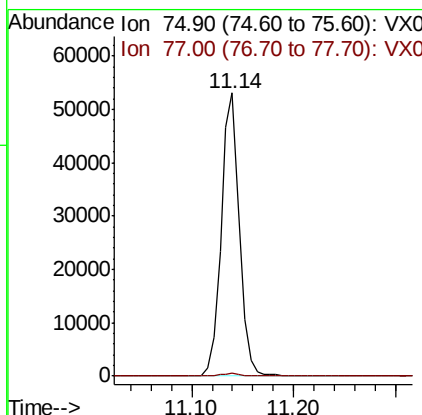
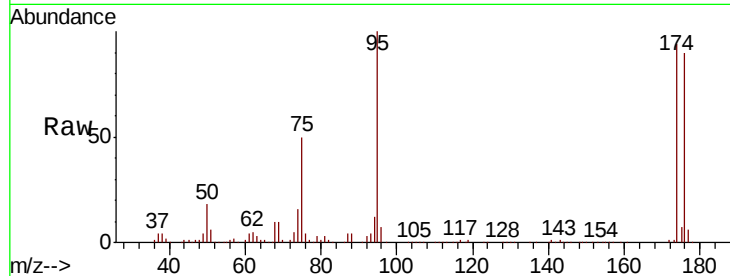




#76
 1,2,3-Trichloropropane
 Concen: 21.906 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005638.D
 Acq: 27 Oct 2018 06:54

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ140I-20181024

Tot Ion: 75 Resp: 65827
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.580 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005638.D
 Acq: 27 Oct 2018 06:54

Tgt Ion: 75 Resp: 65827
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.2 120.2#
 89 0.0 39.8 59.8#

