

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005639.D
 Acq On : 27 Oct 2018 07:21
 Operator : JC/MD
 Sample : J5692-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ142I-20181024

Quant Time: Oct 29 01:26:42 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	230271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143805	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	143798	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	5.50	113	115357	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	8.71	98	393616	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	11.14	95	132749	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

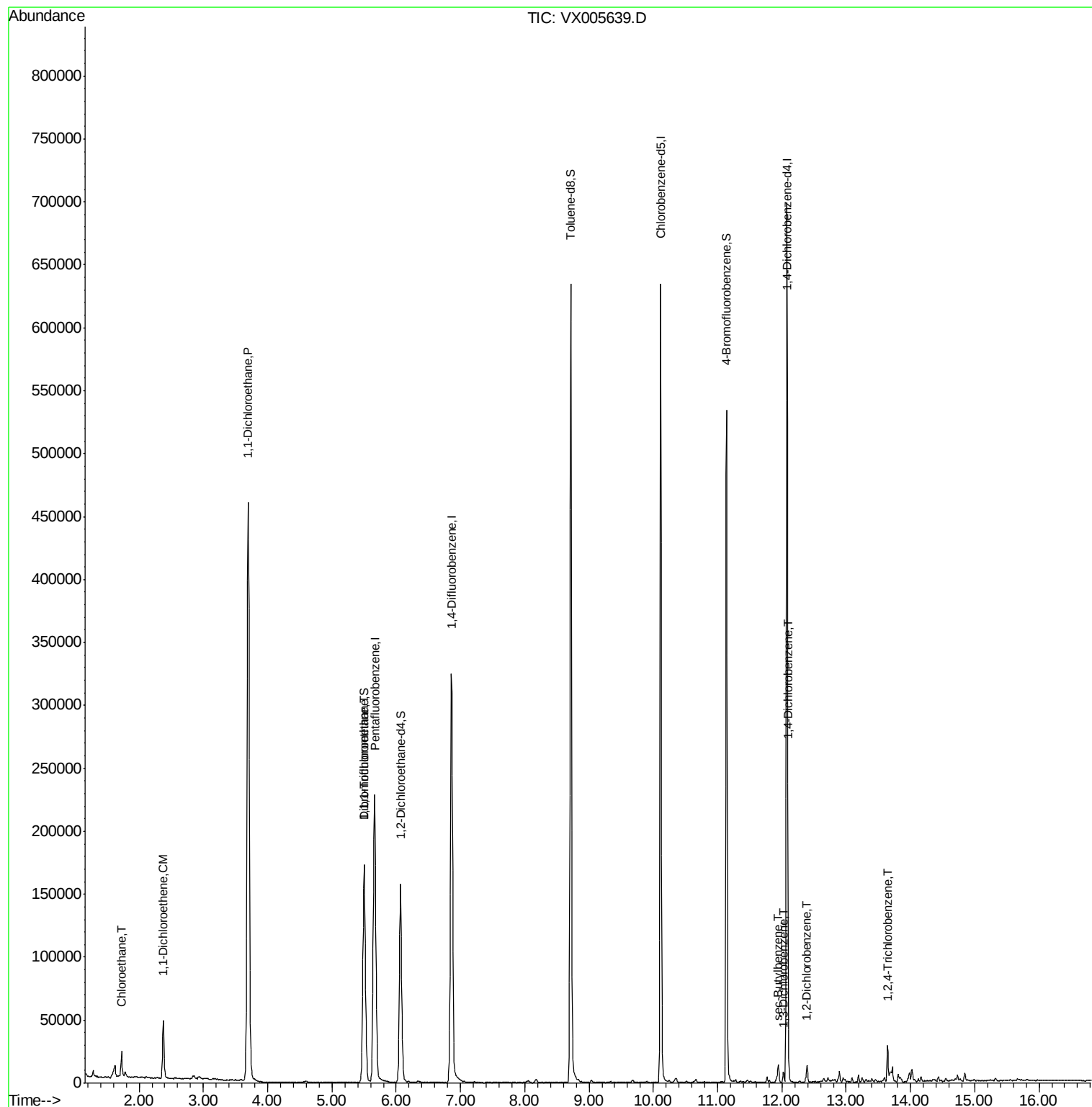
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	15328	8.430	ug/l	100
12) 1,1-Dichloroethene	2.37	96	14636	6.771	ug/l	87
24) 1,1-Dichloroethane	3.70	63	536541	117.144	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	28071	7.424	ug/l	99
85) sec-Butylbenzene	11.94	105	6660	0.745	ug/l	83
87) 1,3-Dichlorobenzene	12.03	146	2505	0.544	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	12033	2.502	ug/l	84
91) 1,2-Dichlorobenzene	12.40	146	4149	0.890	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	6997	2.071	ug/l	91

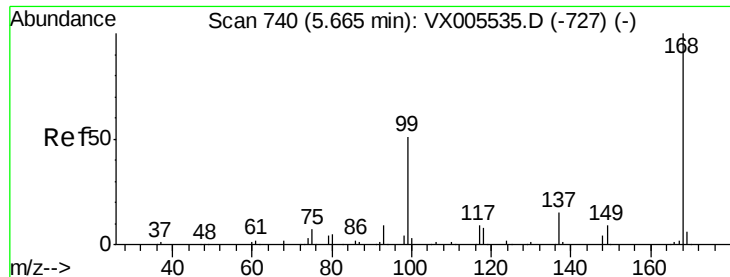
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

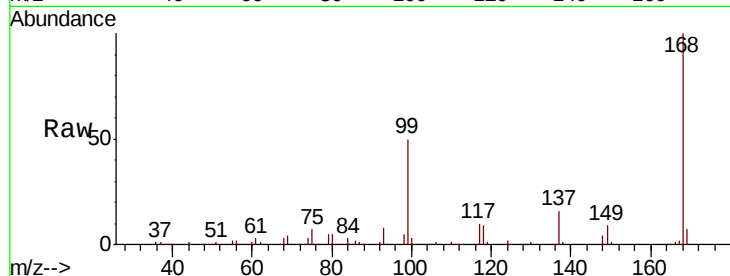
SA-PZ142I-20181024

Tot Ion:168 Resp: 230271

Ion Ratio Lower Upper

168 100

99 50.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

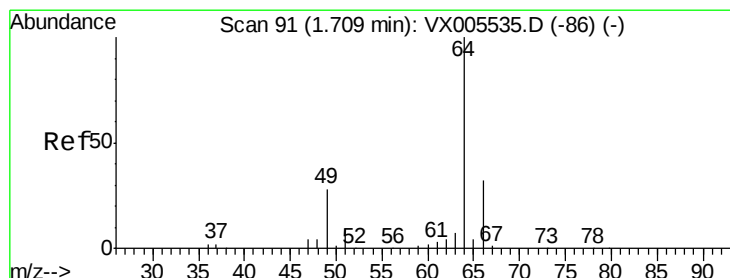
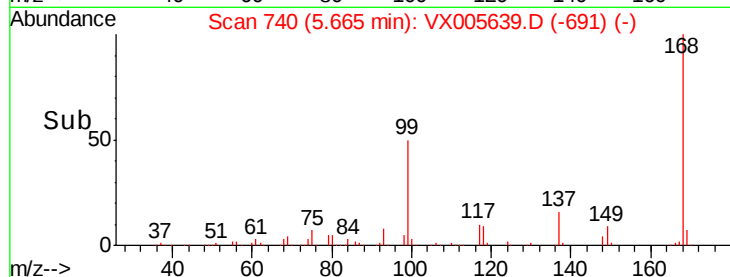
40000

20000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 8.430 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.02 min

Lab File: VX005639.D

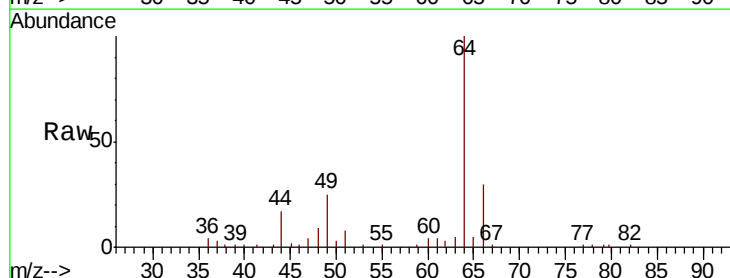
Acq: 27 Oct 2018 07:21

Tgt Ion: 64 Resp: 15328

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

12000

10000

8000

6000

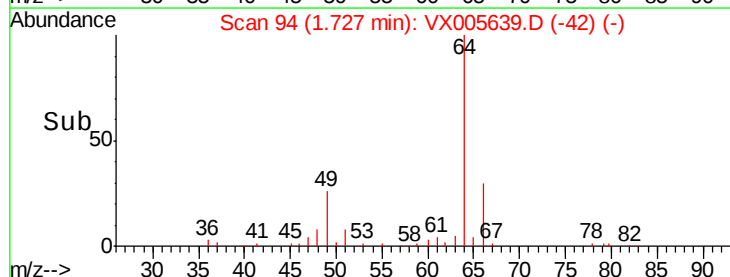
4000

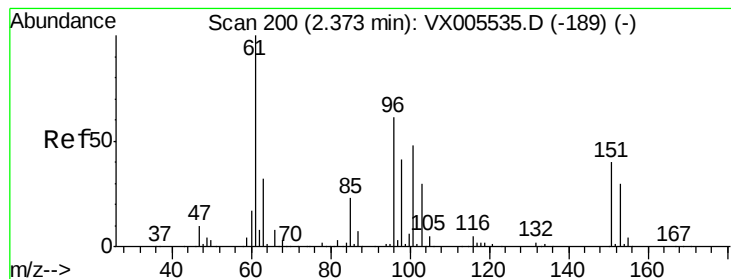
2000

0

1.65 1.70 1.75 1.80

Time-->





#12

1,1-Dichloroethene

Concen: 6.771 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

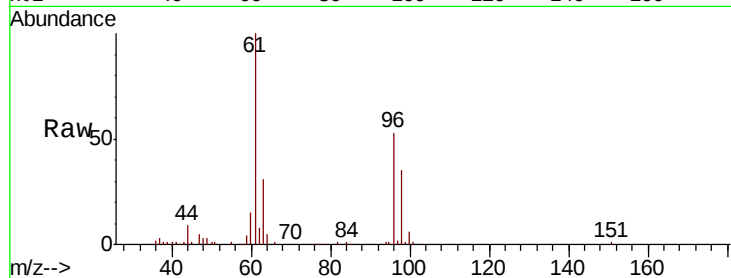
Tot Ion: 96 Resp: 14636

Ion Ratio Lower Upper

96 100

61 189.2 131.8 197.8

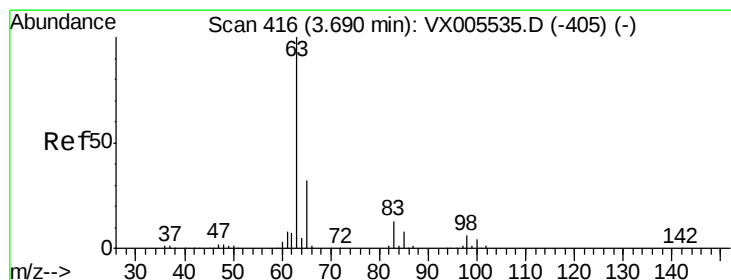
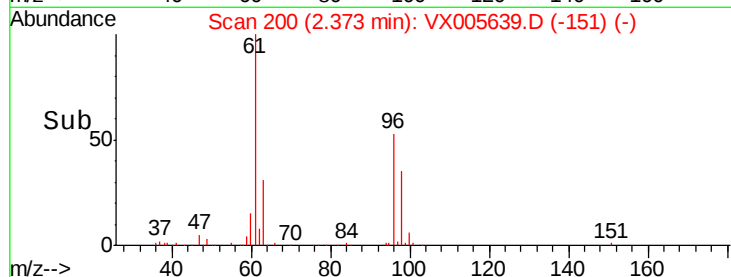
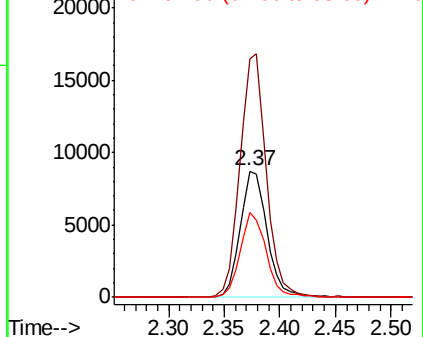
98 67.1 53.4 80.2



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



#24

1,1-Dichloroethane

Concen: 117.144 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

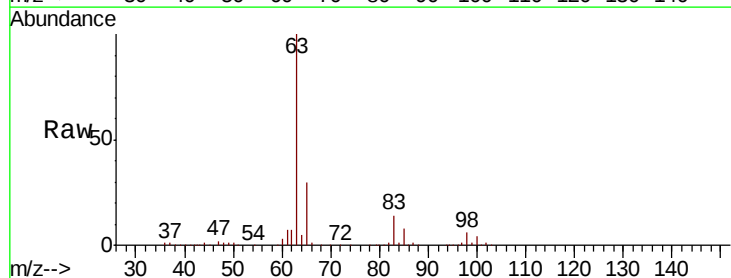
Tgt Ion: 63 Resp: 536541

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

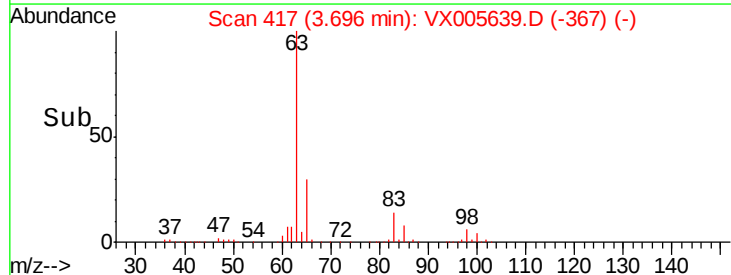
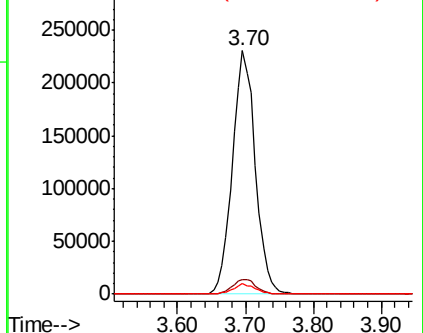
100 4.3 2.1 6.2

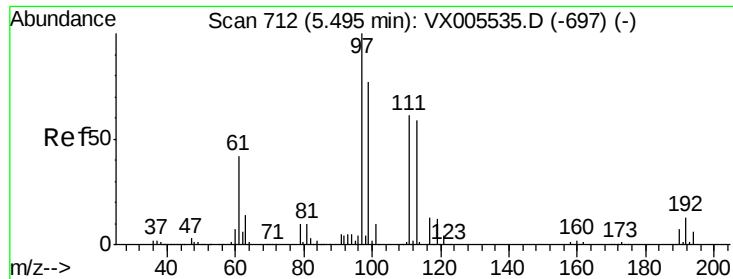


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#32

1,1,1-Trichloroethane

Concen: 7.424 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

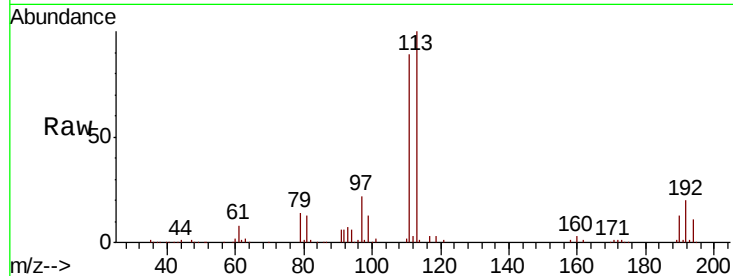
Tot Ion: 97 Resp: 28071

Ion Ratio Lower Upper

97 100

99 65.7 52.3 78.5

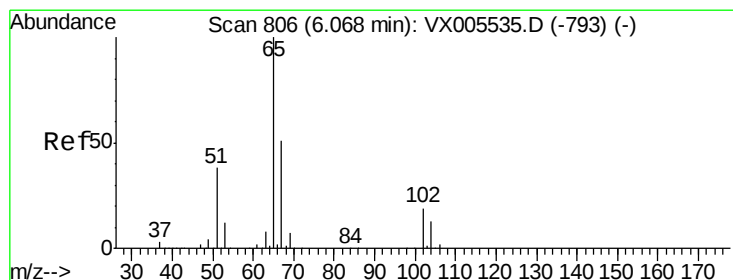
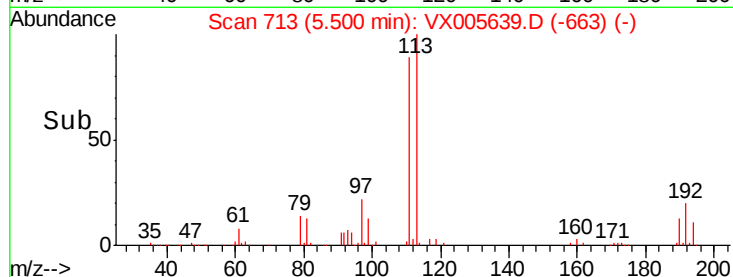
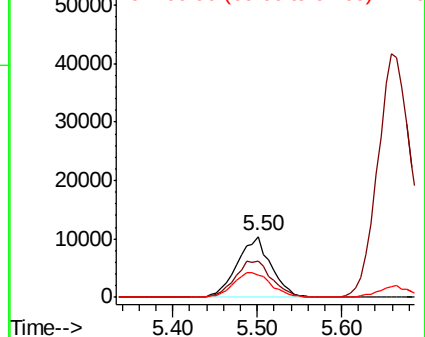
61 45.6 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.157 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005639.D

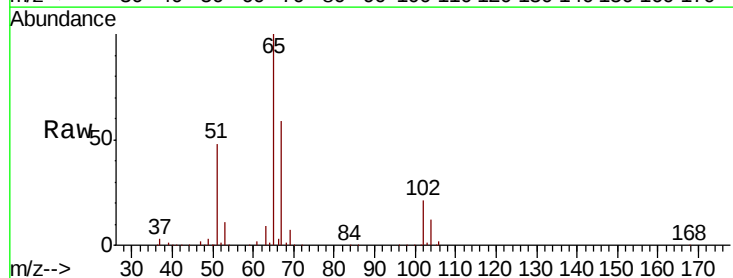
Acq: 27 Oct 2018 07:21

Tgt Ion: 65 Resp: 143798

Ion Ratio Lower Upper

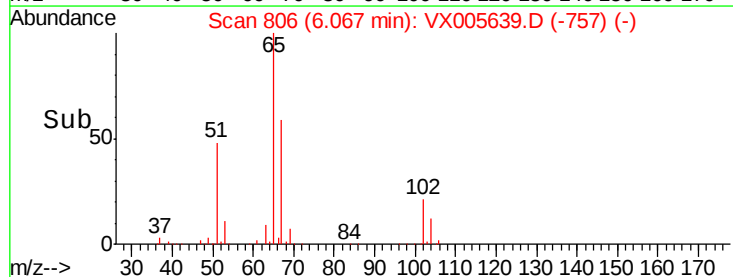
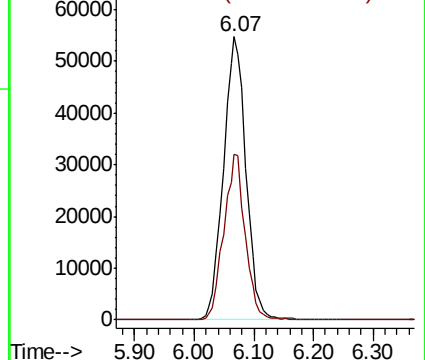
65 100

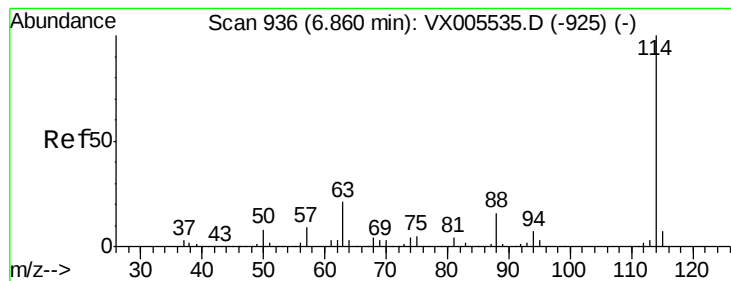
67 55.4 0.0 105.0



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: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

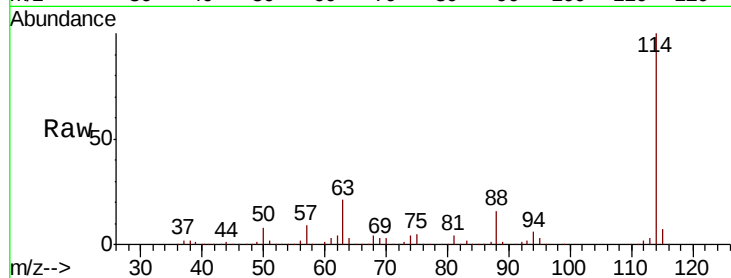
Tot Ion:114 Resp: 332219

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

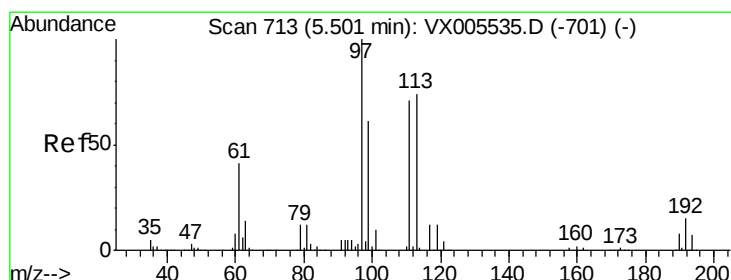
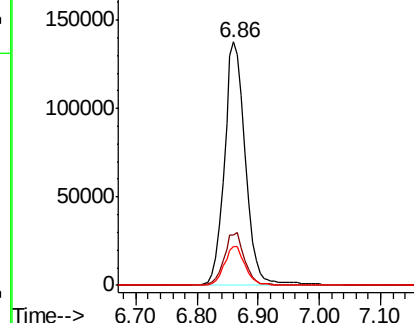
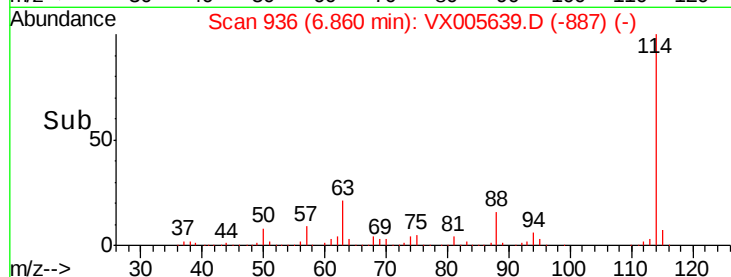
88 15.9 0.0 31.2



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: 51.281 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

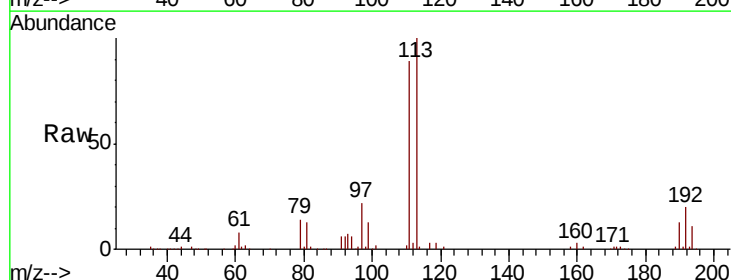
Tgt Ion:113 Resp: 115357

Ion Ratio Lower Upper

113 100

111 99.8 82.3 123.5

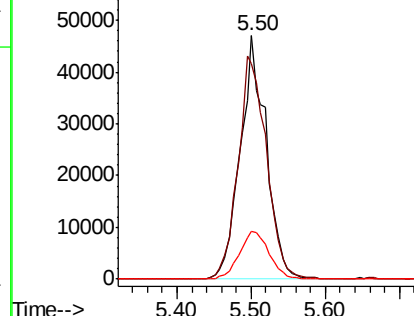
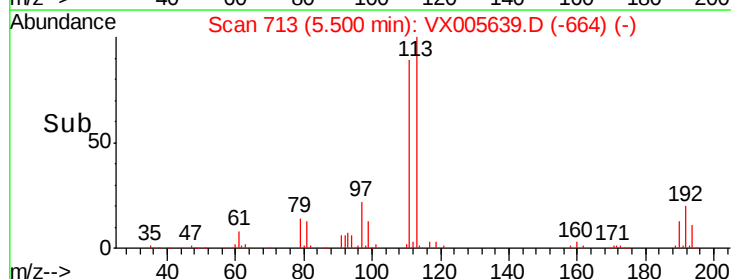
192 22.3 17.9 26.9

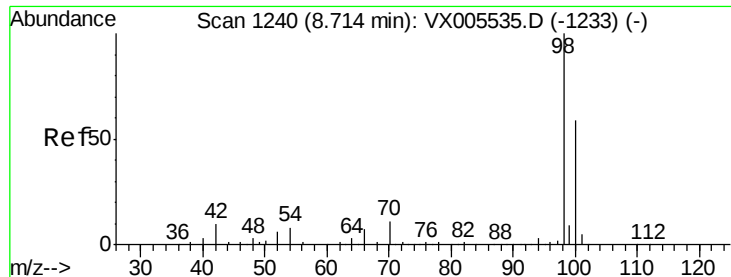


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.697 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

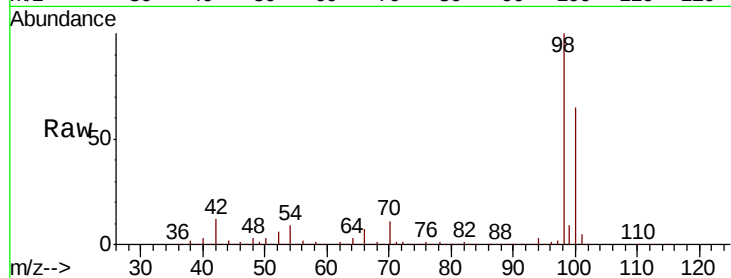
SA-PZ142I-20181024

Tot Ion: 98 Resp: 393616

Ion Ratio Lower Upper

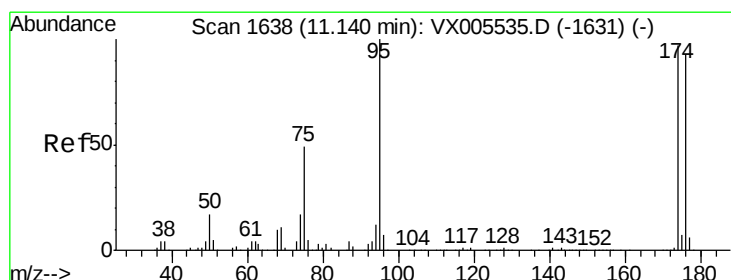
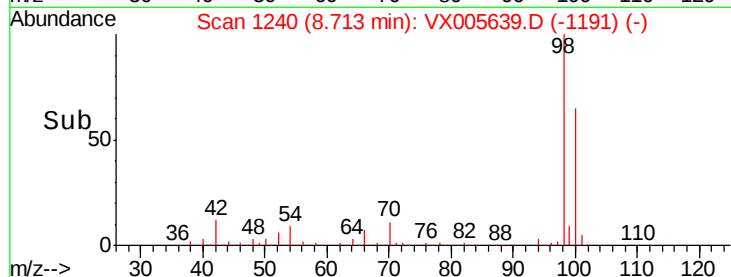
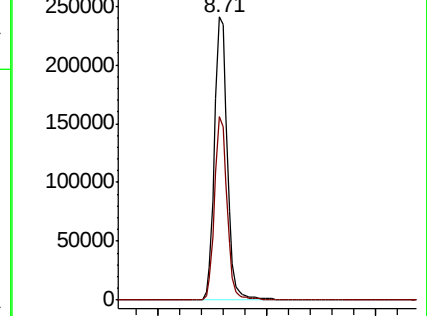
98 100

100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 43.489 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

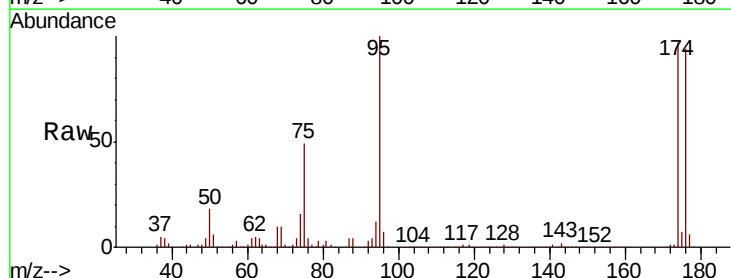
Tgt Ion: 95 Resp: 132749

Ion Ratio Lower Upper

95 100

174 93.1 0.0 184.4

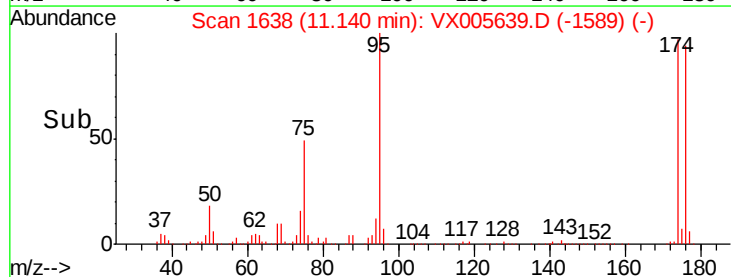
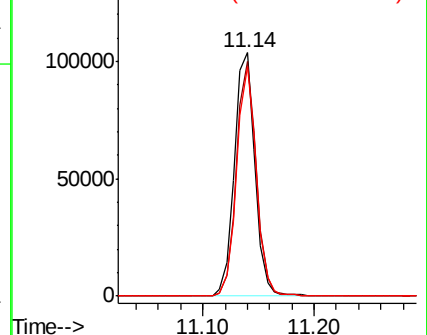
176 89.9 0.0 177.4

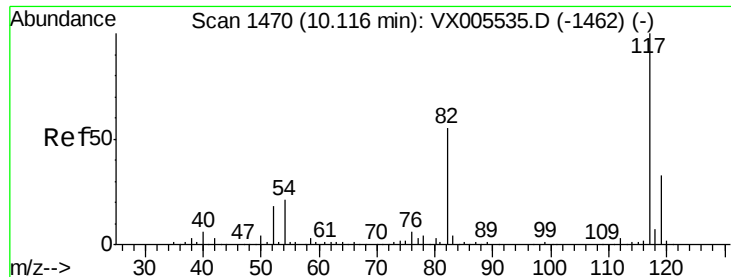


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

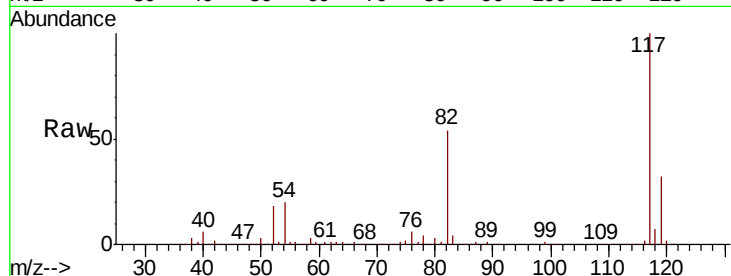




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005639.D
Acq: 27 Oct 2018 07:21

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ142I-20181024

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.1	66.1
119	32.0	26.2	39.2

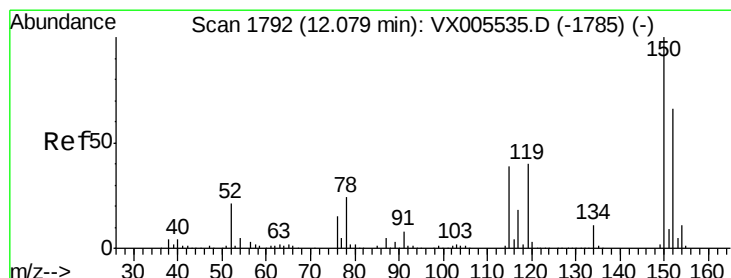
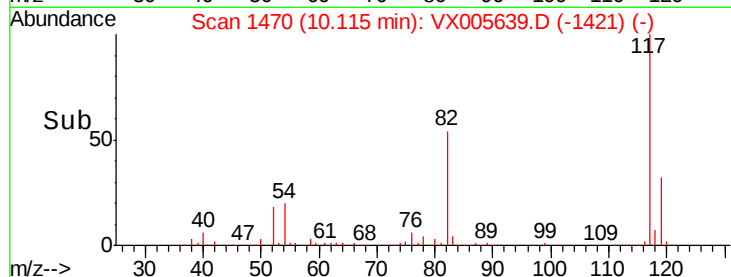
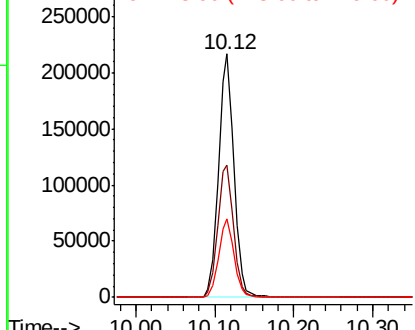


Abundance

Ion 116.90 (116.60 to 117.60): V

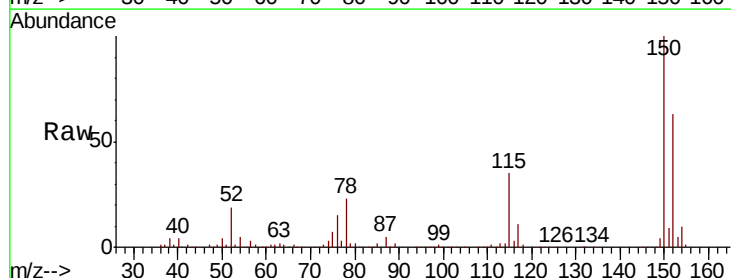
Ion 82.00 (81.70 to 82.70): VX0

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: VX005639.D
Acq: 27 Oct 2018 07:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	39.4	118.1
150	158.1	0.0	346.4

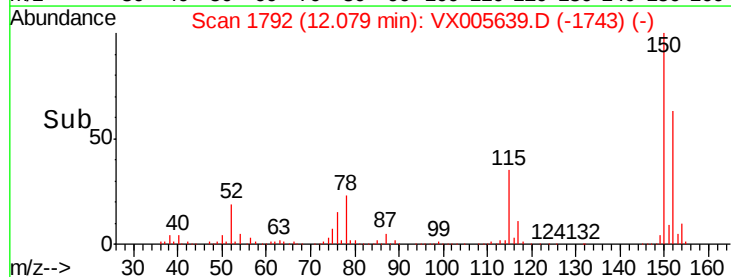
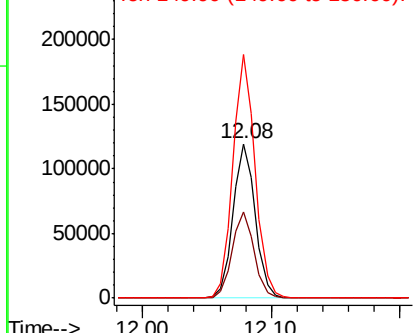


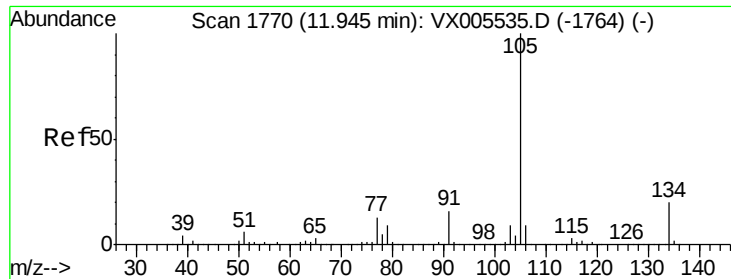
Abundance

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





#85

sec-Butylbenzene

Concen: 0.745 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

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ClientSampleId :

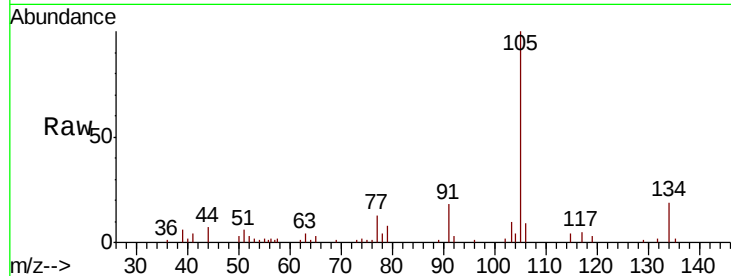
SA-PZ142I-20181024

Tot Ion:105 Resp: 6660

Ion Ratio Lower Upper

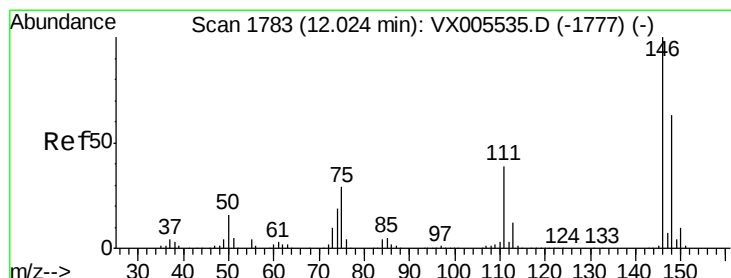
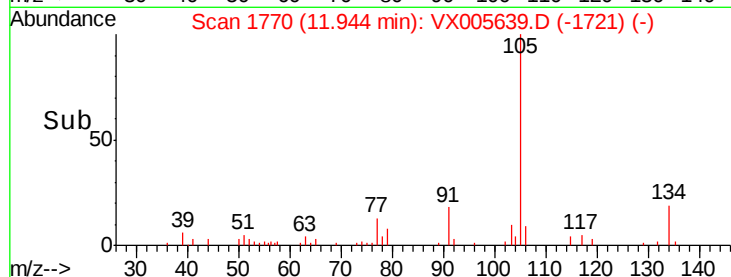
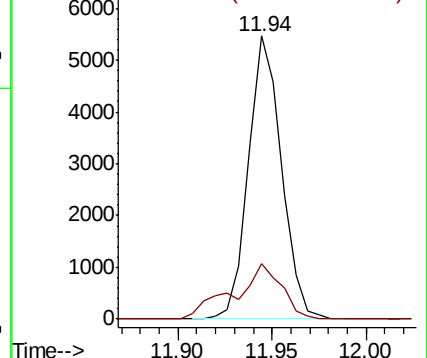
105 100

134 28.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.544 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

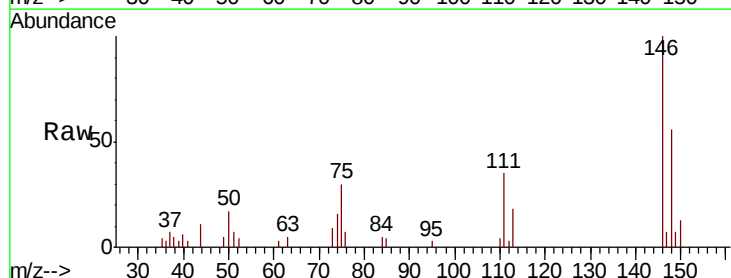
Tgt Ion:146 Resp: 2505

Ion Ratio Lower Upper

146 100

111 41.1 19.0 57.0

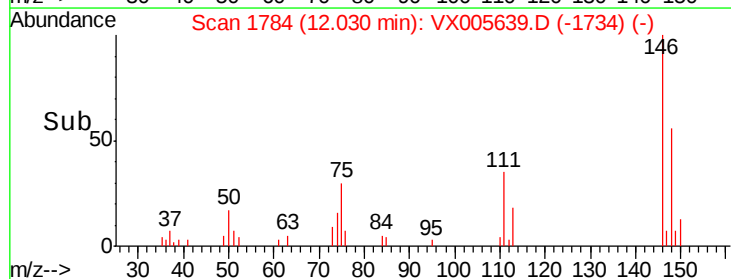
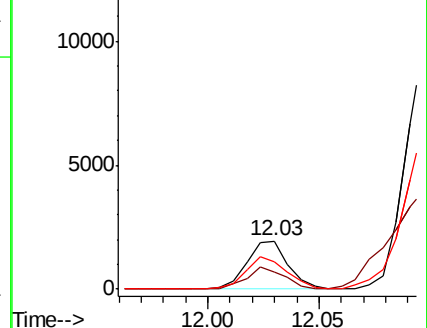
148 66.8 31.9 95.9

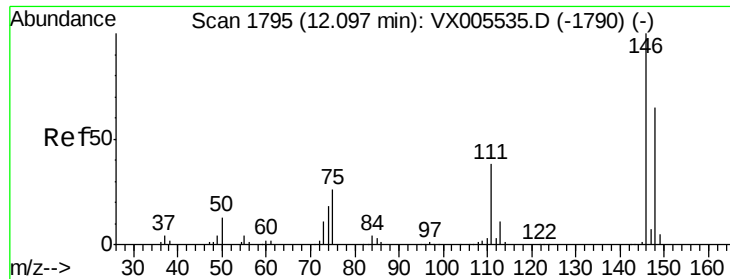


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 2.502 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ142I-20181024

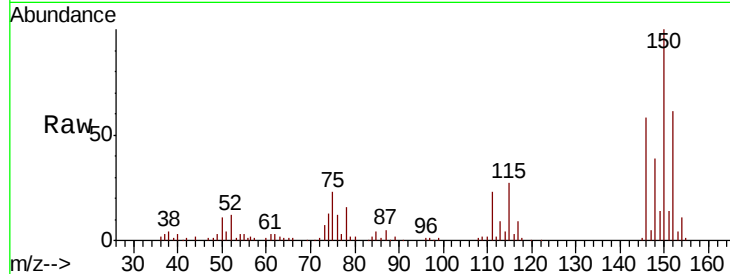
Tot Ion:146 Resp: 12033

Ion Ratio Lower Upper

146 100

111 53.5 18.6 55.8

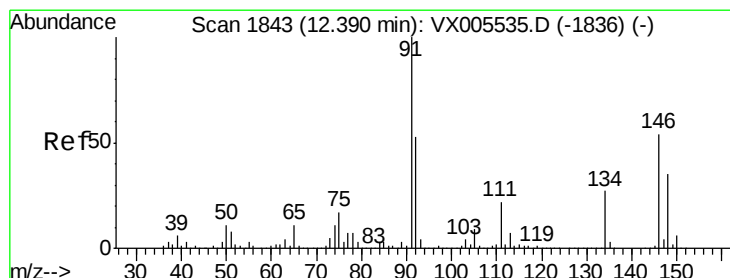
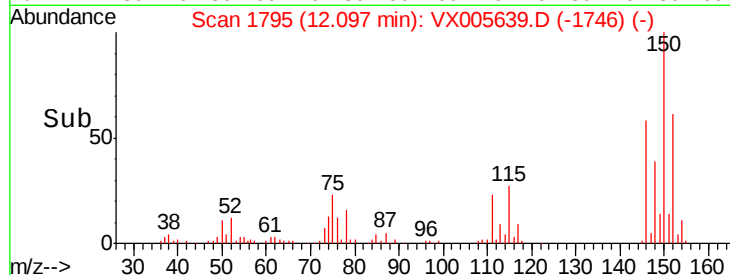
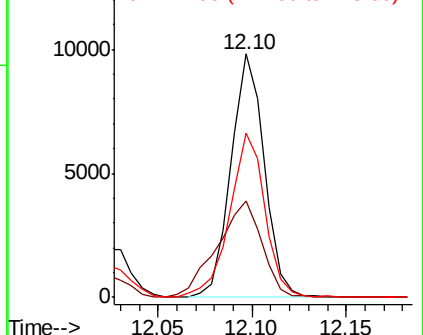
148 71.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.890 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX005639.D

Acq: 27 Oct 2018 07:21

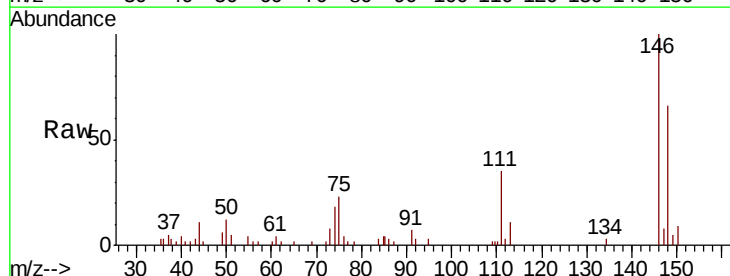
Tgt Ion:146 Resp: 4149

Ion Ratio Lower Upper

146 100

111 40.2 20.0 59.9

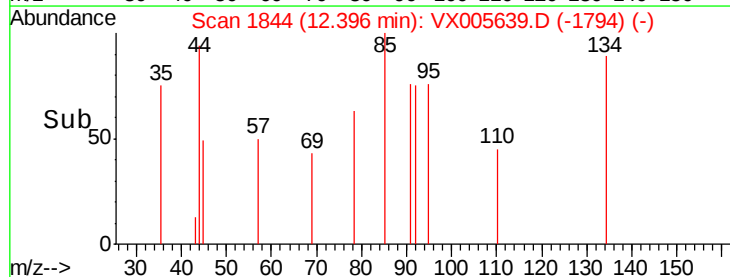
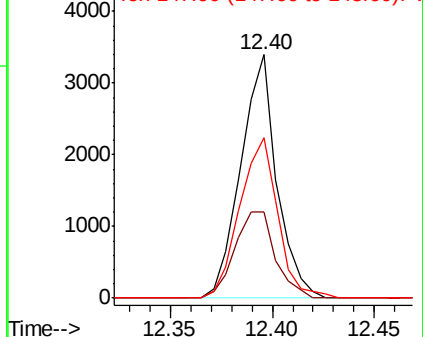
148 69.9 32.2 96.6

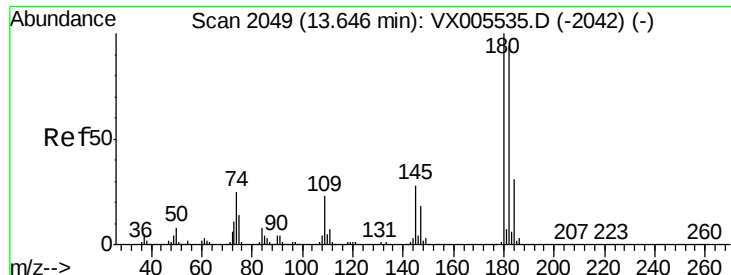


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93
 1,2,4-Trichlorobenzene
 Concen: 2.071 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005639.D
 Acq: 27 Oct 2018 07:21

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ142I-20181024

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.6	142.8
145	37.7	14.1	42.2

