

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX102618\
 Data File : VX005637.D
 Acq On : 27 Oct 2018 06:27
 Operator : JC/MD
 Sample : J5692-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024

Quant Time: Nov 09 11:46:35 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	257332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366639	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210987	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	151621	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.51	113	120951	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.71	98	416060	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.14	95	145021	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	

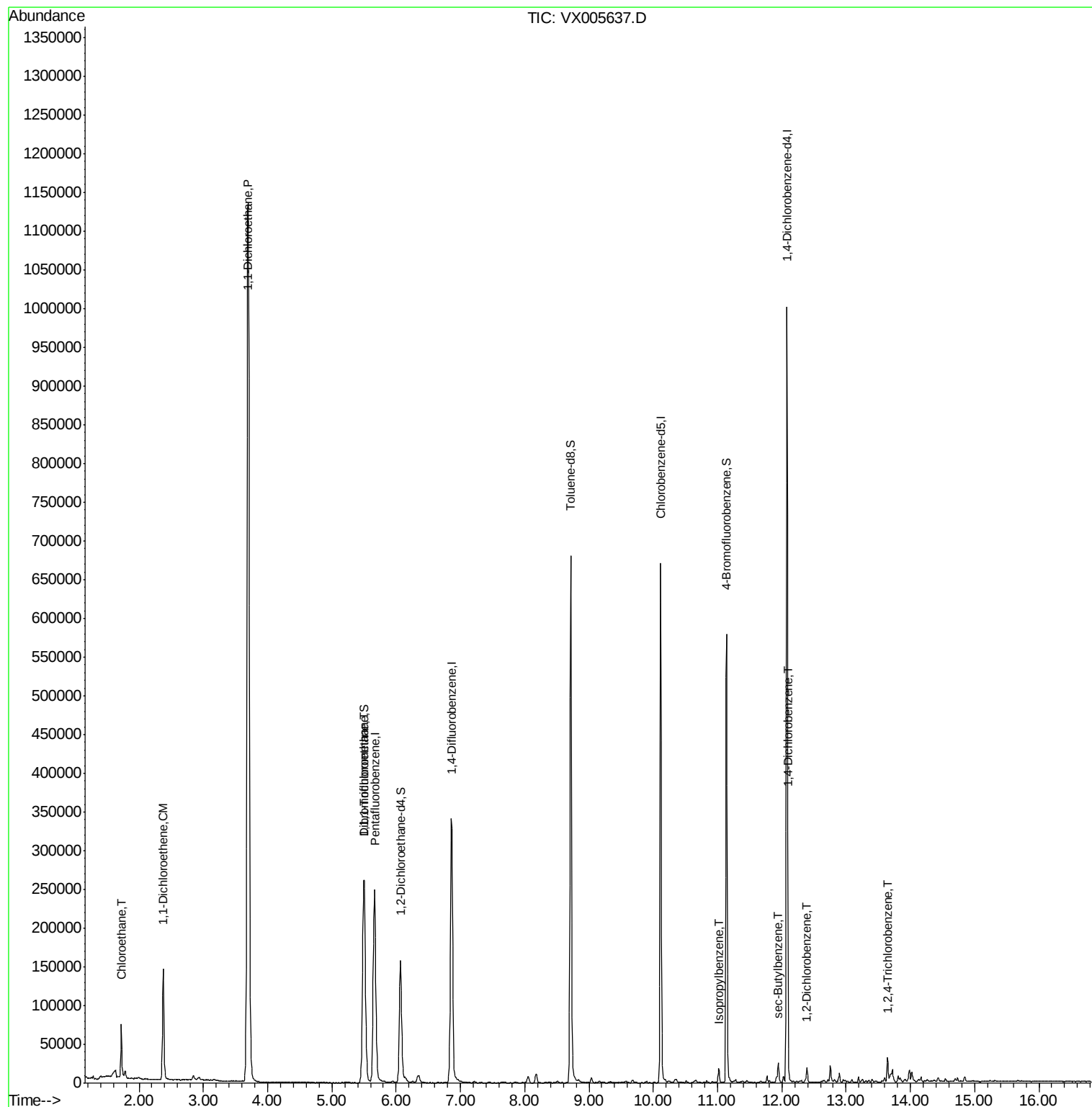
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	47880	23.565	ug/l #	88
12) 1,1-Dichloroethene	2.37	96	46656	19.315	ug/l	87
24) 1,1-Dichloroethane	3.69	63	1372024	268.056	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131340	31.081	ug/l	100
73) Isopropylbenzene	11.02	105	8728	0.677	ug/l	96
85) sec-Butylbenzene	11.94	105	12066	0.919	ug/l	84
88) 1,4-Dichlorobenzene	12.10	146	11340	1.607	ug/l	85
91) 1,2-Dichlorobenzene	12.39	146	5556	0.812	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	7726	1.559	ug/l	95

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

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Quant Title : SW846 8260
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: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

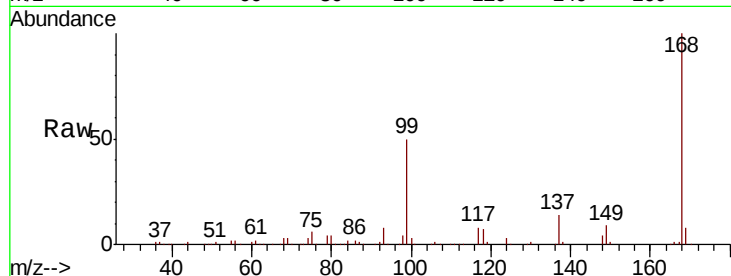
SA-PZ171I-20181024

Tot Ion:168 Resp: 257332

Ion Ratio Lower Upper

168 100

99 50.1 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

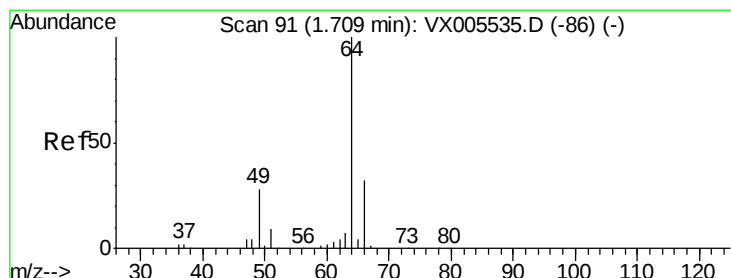
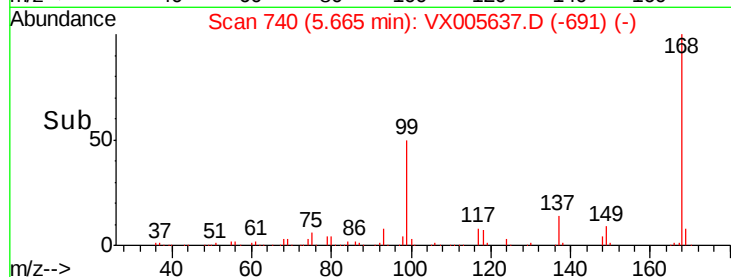
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 23.565 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005637.D

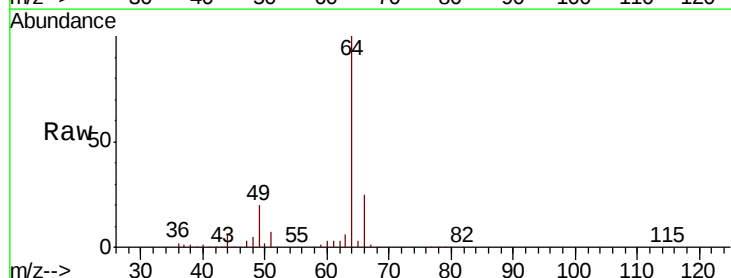
Acq: 27 Oct 2018 06:27

Tgt Ion: 64 Resp: 47880

Ion Ratio Lower Upper

64 100

66 25.6 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

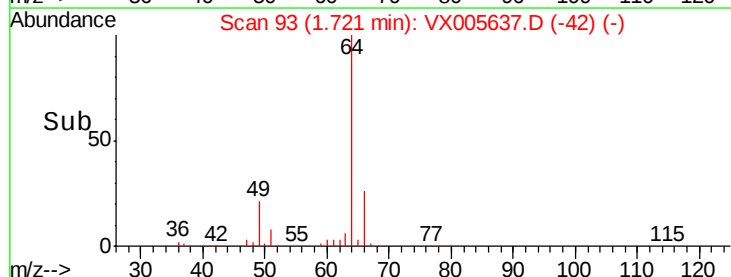
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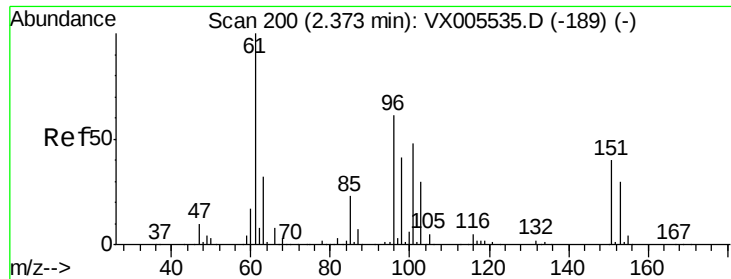
10000

0

Time-->

1.70 1.80





#12

1,1-Dichloroethene

Concen: 19.315 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20181024

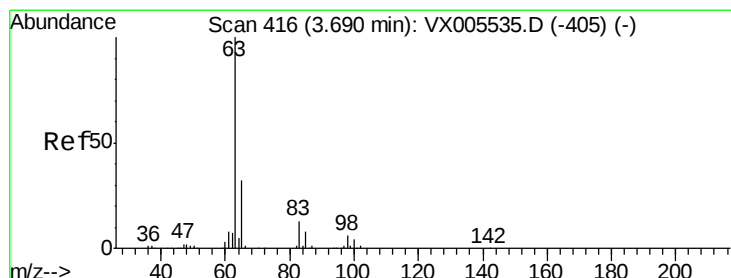
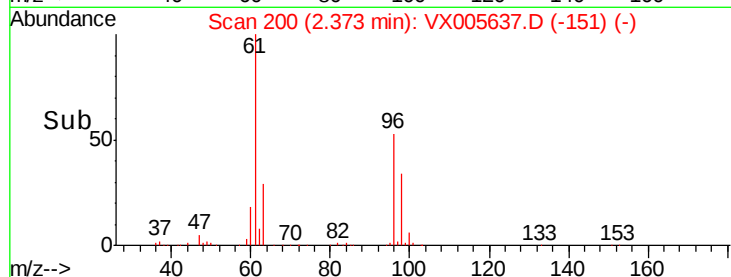
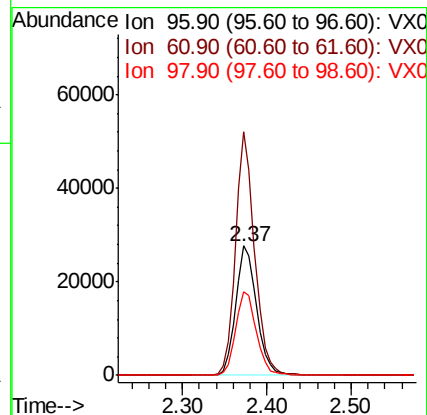
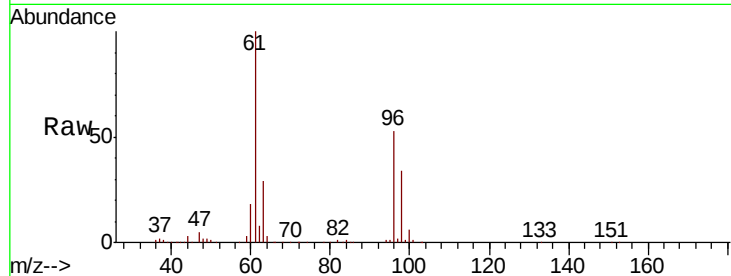
Tot Ion: 96 Resp: 46656

Ion Ratio Lower Upper

96 100

61 188.2 131.8 197.8

98 64.8 53.4 80.2



#24

1,1-Dichloroethane

Concen: 268.056 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

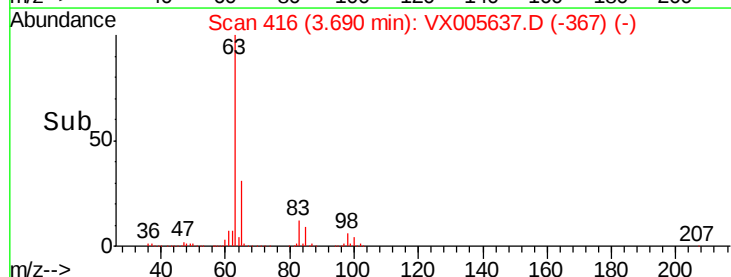
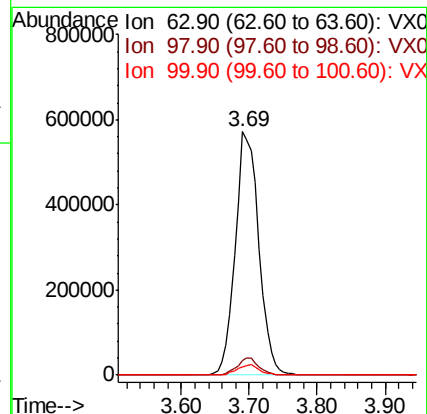
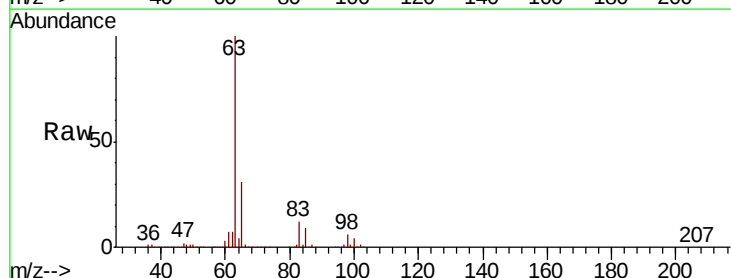
Tgt Ion: 63 Resp: 1372024

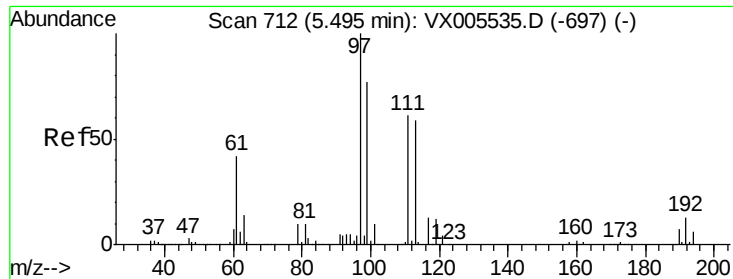
Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.6 2.1 6.2





#32

1,1,1-Trichloroethane

Concen: 31.081 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20181024

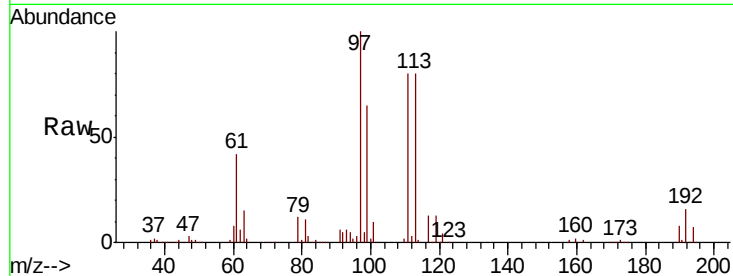
Tot Ion: 97 Resp: 131340

Ion Ratio Lower Upper

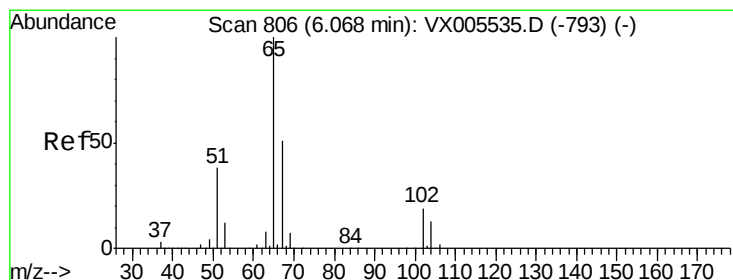
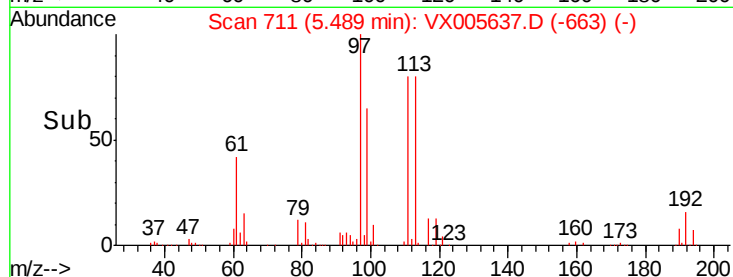
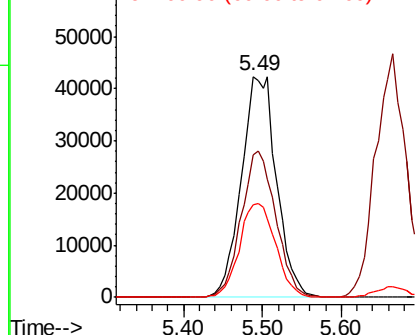
97 100

99 65.1 52.3 78.5

61 43.9 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: 48.268 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005637.D

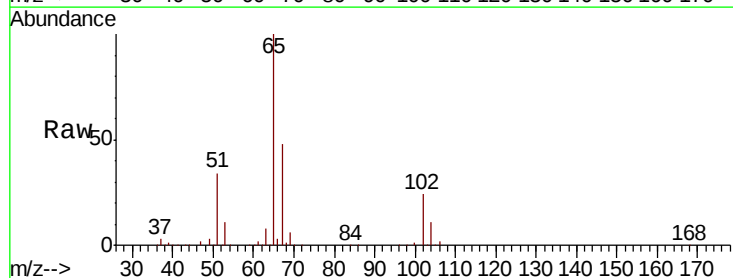
Acq: 27 Oct 2018 06:27

Tgt Ion: 65 Resp: 151621

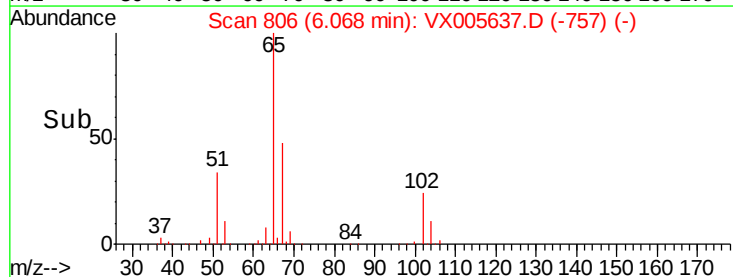
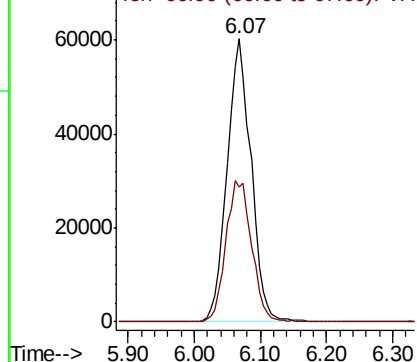
Ion Ratio Lower Upper

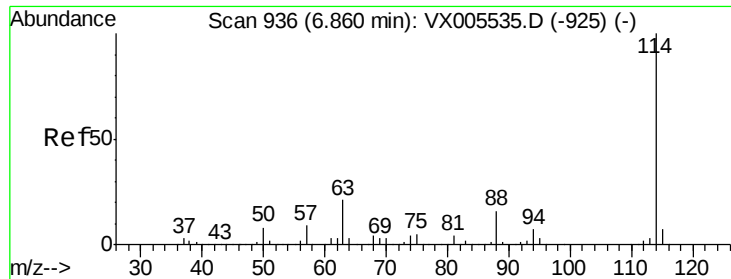
65 100

67 53.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

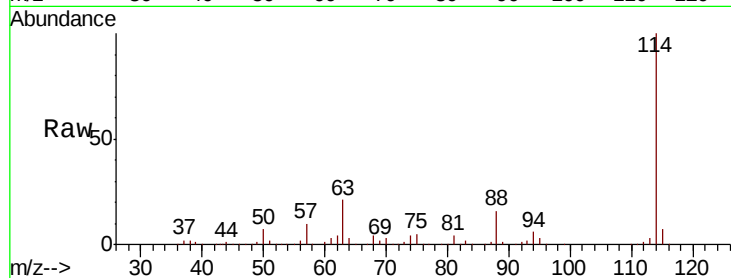




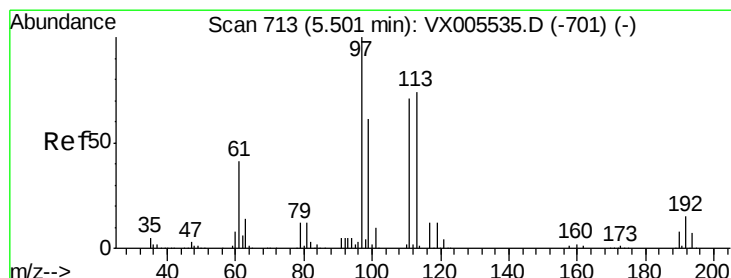
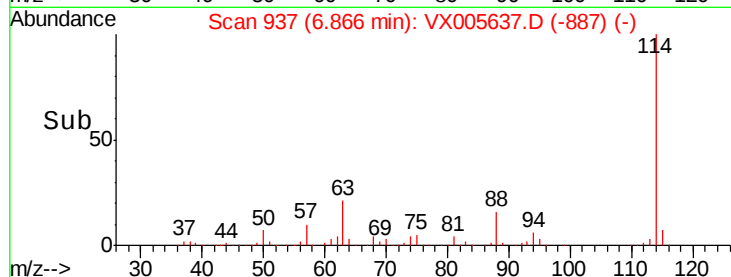
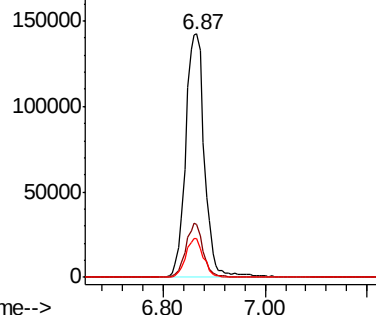
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005637.D
 Acq: 27 Oct 2018 06:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024

Tot Ion:114 Resp: 366639
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 15.7 0.0 31.2

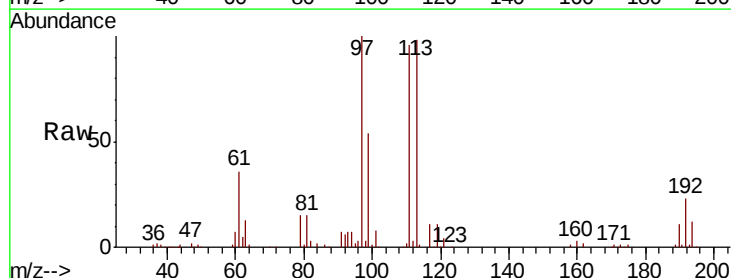


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

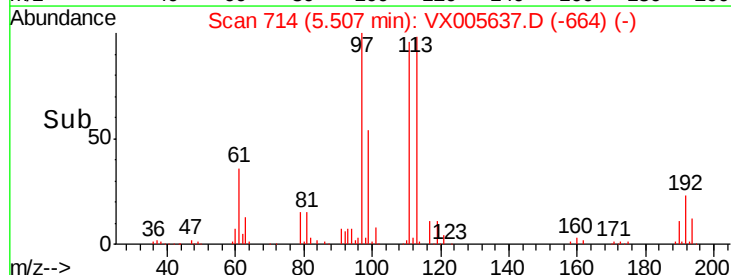
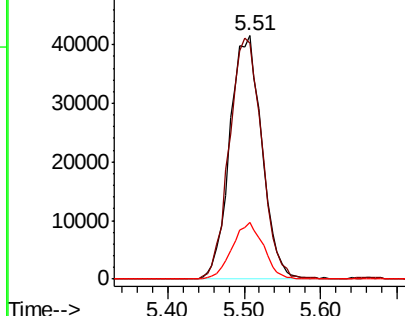


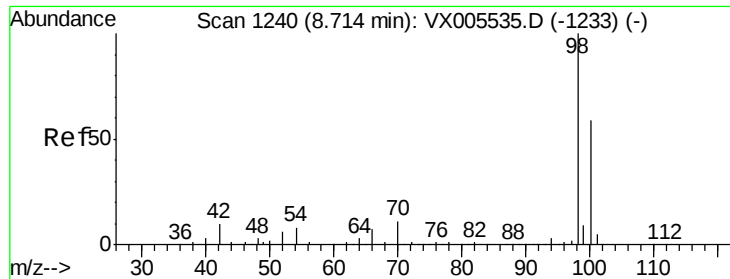
#35
 Dibromofluoromethane
 Concen: 48.720 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005637.D
 Acq: 27 Oct 2018 06:27

Tgt Ion:113 Resp: 120951
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.3 123.5
 192 22.6 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

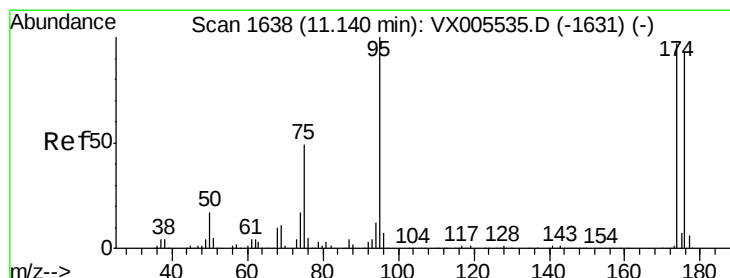
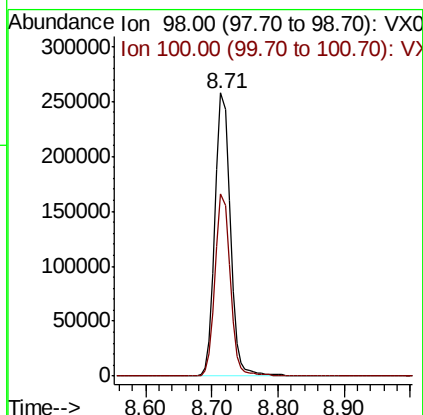
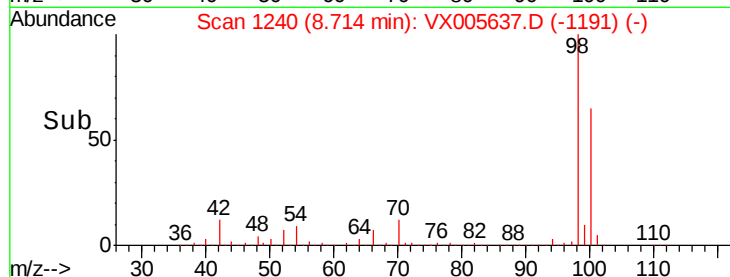
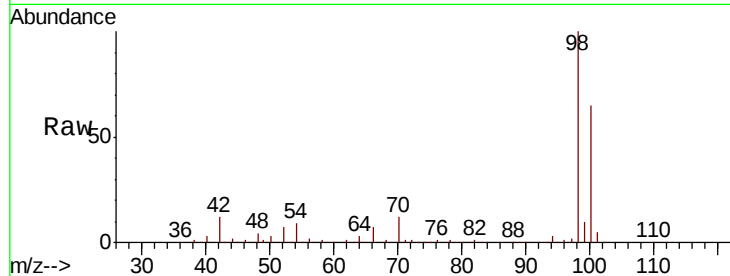




#50
Toluene-d8
Concen: 46.641 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005637.D
Acq: 27 Oct 2018 06:27

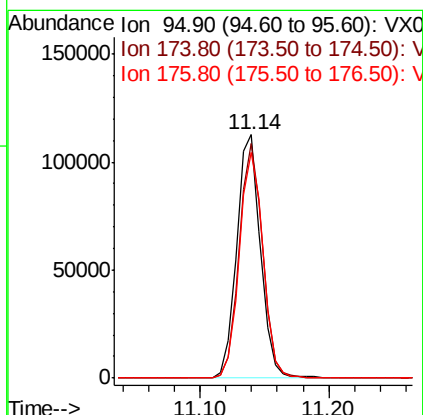
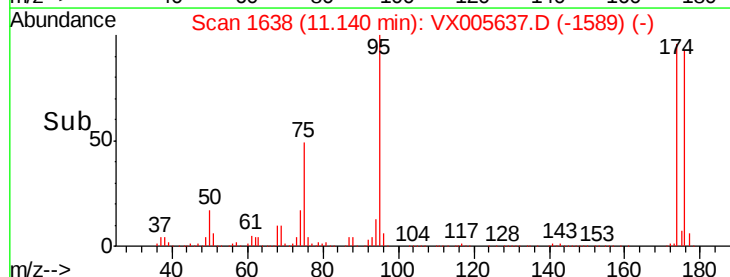
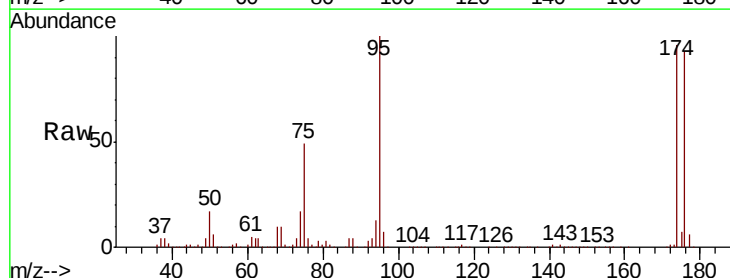
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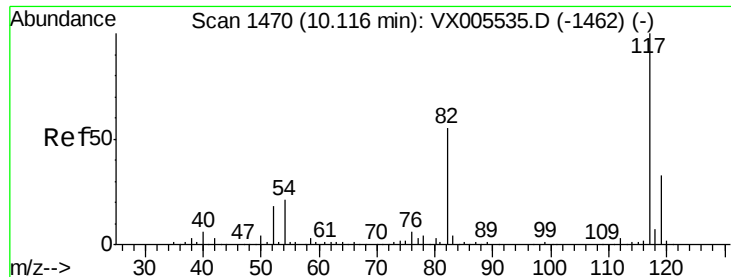
Tot Ion: 98 Resp: 416060
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 43.049 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005637.D
Acq: 27 Oct 2018 06:27

Tgt Ion: 95 Resp: 145021
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.4
176 91.9 0.0 177.4

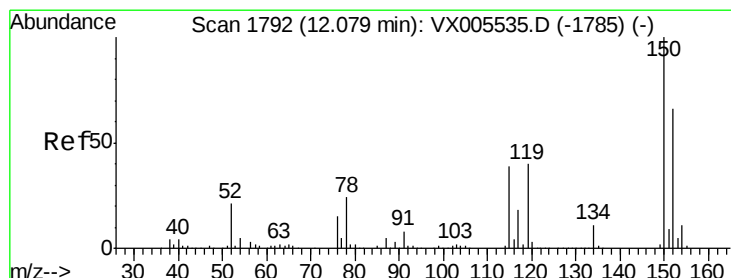
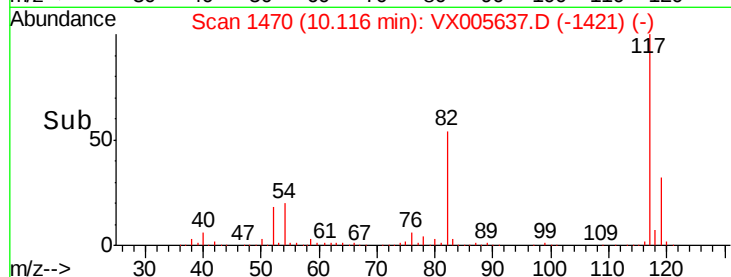
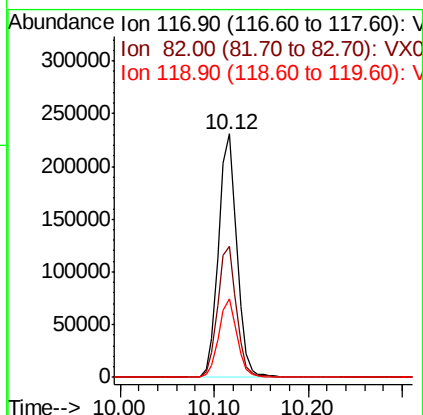
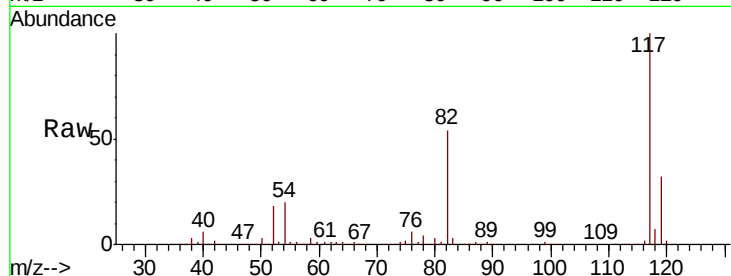




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005637.D
Acq: 27 Oct 2018 06:27

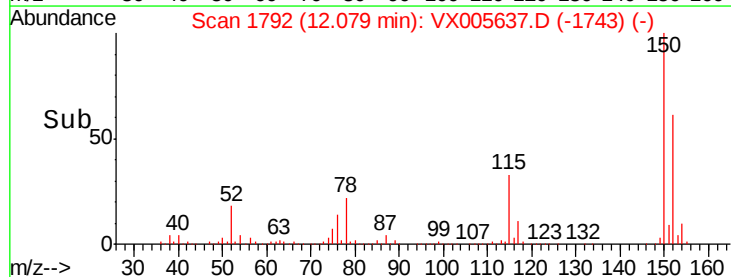
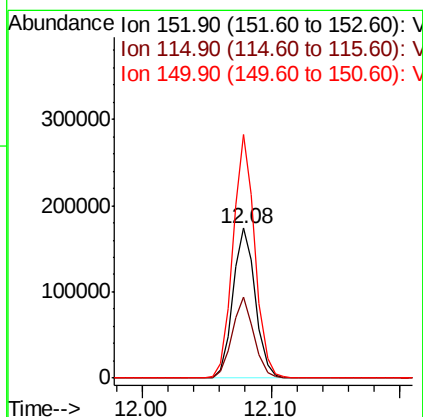
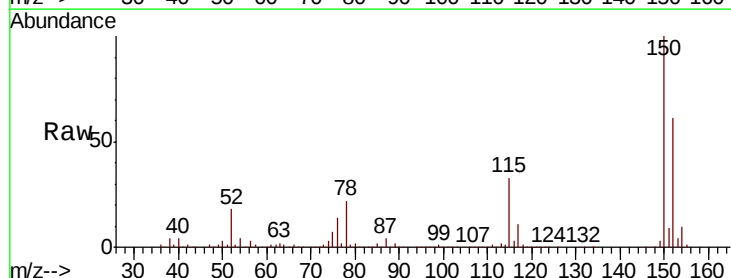
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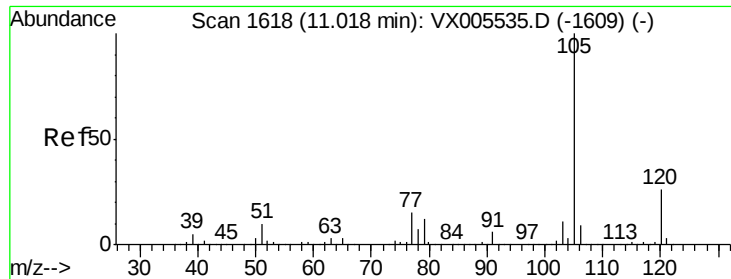
Tot Ion:117 Resp: 314378
Ion Ratio Lower Upper
117 100
82 53.9 44.1 66.1
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005637.D
Acq: 27 Oct 2018 06:27

Tgt Ion:152 Resp: 210987
Ion Ratio Lower Upper
152 100
115 52.4 39.4 118.1
150 158.8 0.0 346.4





#73

Isopropylbenzene

Concen: 0.677 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

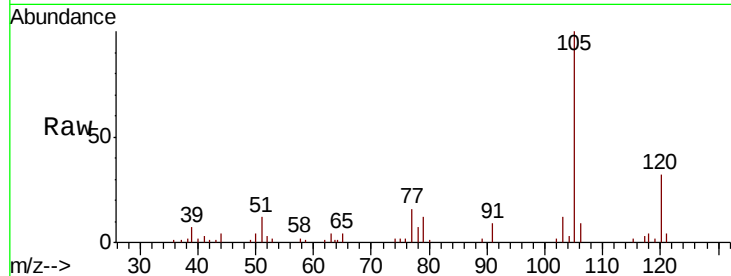
SA-PZ171I-20181024

Tot Ion:105 Resp: 8728

Ion Ratio Lower Upper

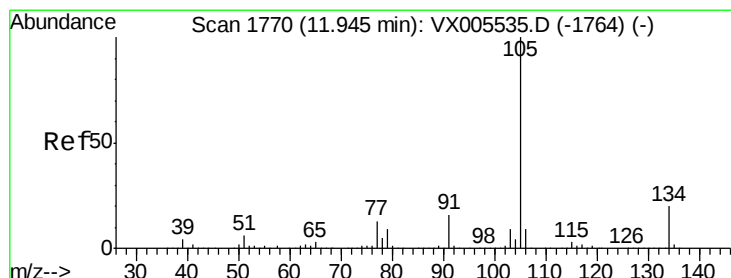
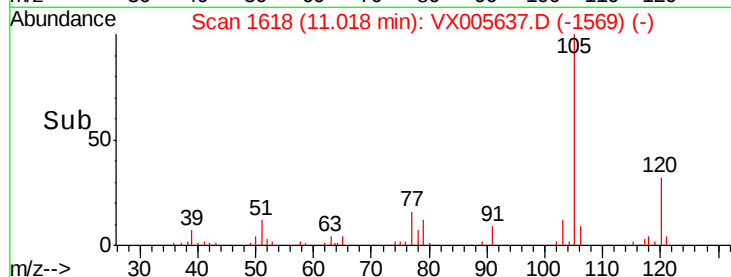
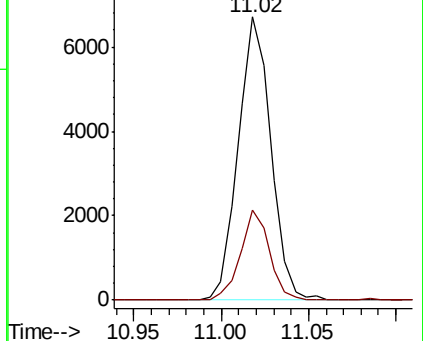
105 100

120 28.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.919 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005637.D

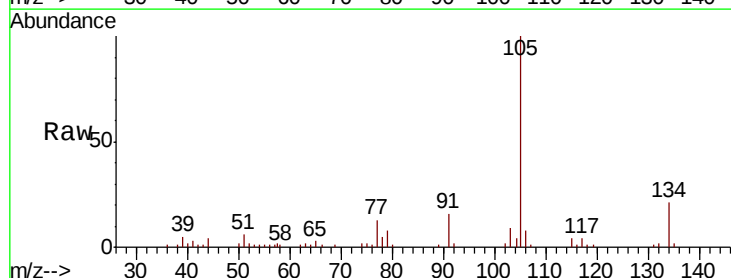
Acq: 27 Oct 2018 06:27

Tgt Ion:105 Resp: 12066

Ion Ratio Lower Upper

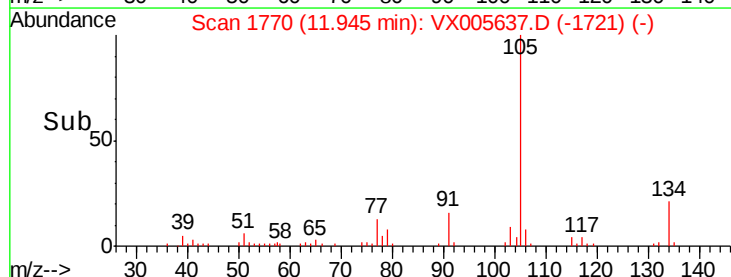
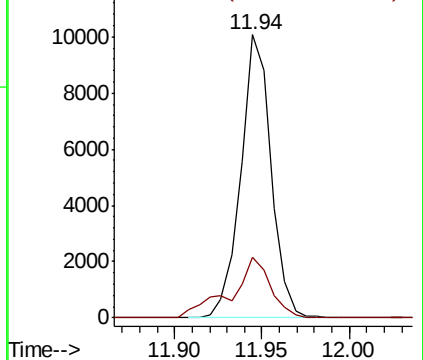
105 100

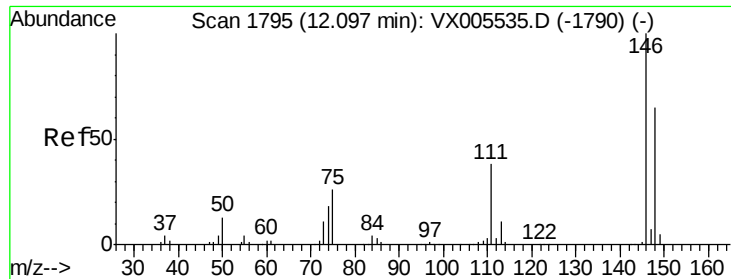
134 27.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#88

1,4-Dichlorobenzene

Concen: 1.607 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20181024

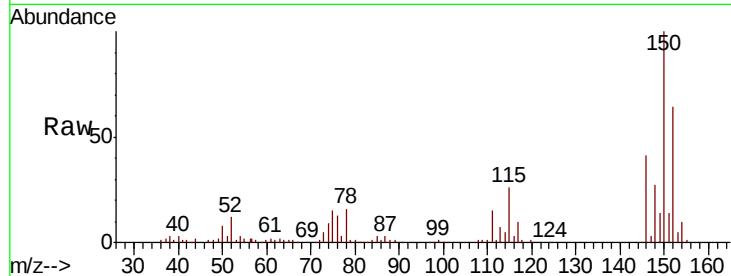
Tot Ion:146 Resp: 11340

Ion Ratio Lower Upper

146 100

111 55.4 18.6 55.8

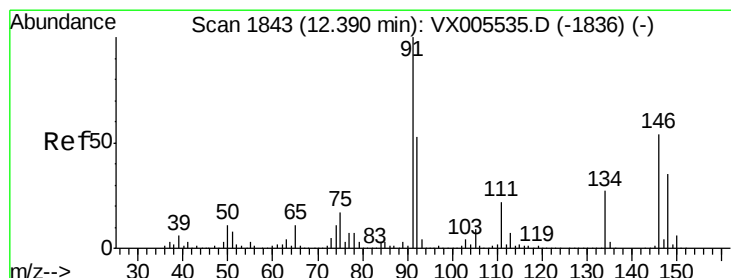
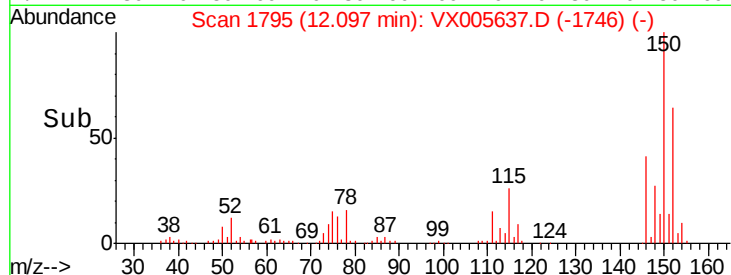
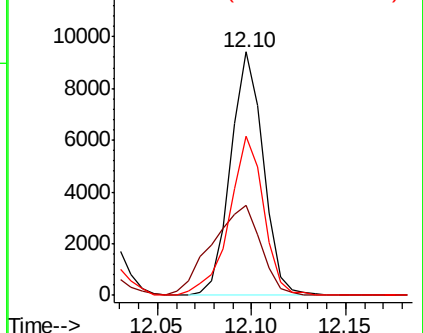
148 68.8 32.1 96.3



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: 0.812 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

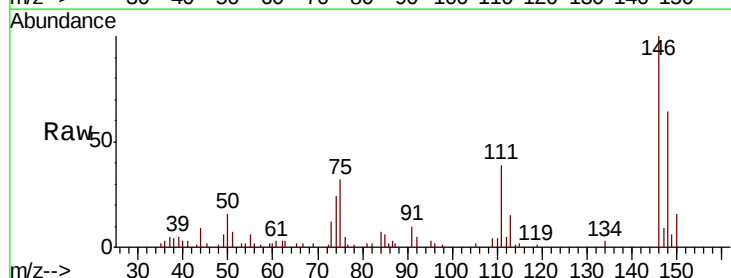
Tgt Ion:146 Resp: 5556

Ion Ratio Lower Upper

146 100

111 43.5 20.0 59.9

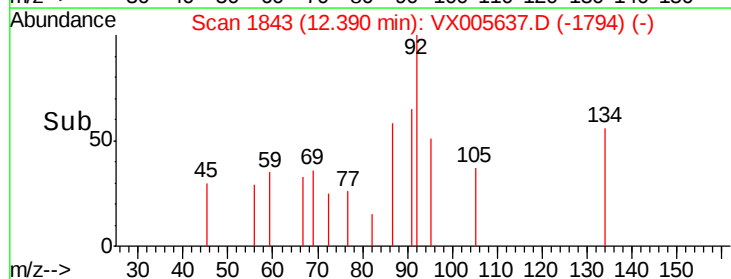
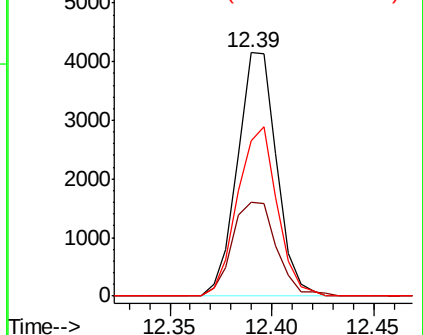
148 69.9 32.2 96.6

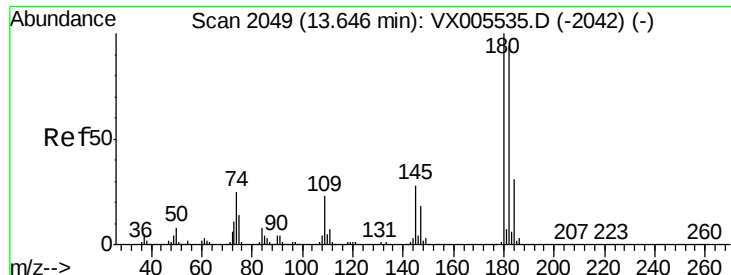


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2,4-Trichlorobenzene

Concen: 1.559 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX005637.D

Acq: 27 Oct 2018 06:27

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20181024

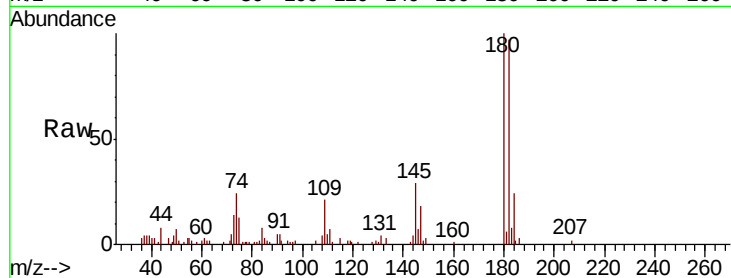
Tot Ion:180 Resp: 7726

Ion Ratio Lower Upper

180 100

182 93.9 47.6 142.8

145 36.3 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

