

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005662.D
 Acq On : 29 Oct 2018 16:04
 Operator : JC/MD
 Sample : J5692-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ144I-20181025

Quant Time: Oct 30 01:59:38 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	224934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	340519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	290770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171662	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	139088	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
35) Dibromofluoromethane	5.51	113	109176	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	
50) Toluene-d8	8.71	98	384699	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	11.14	95	133190	42.57	ug/l	0.00
Spiked Amount			Recovery	=	85.14%	

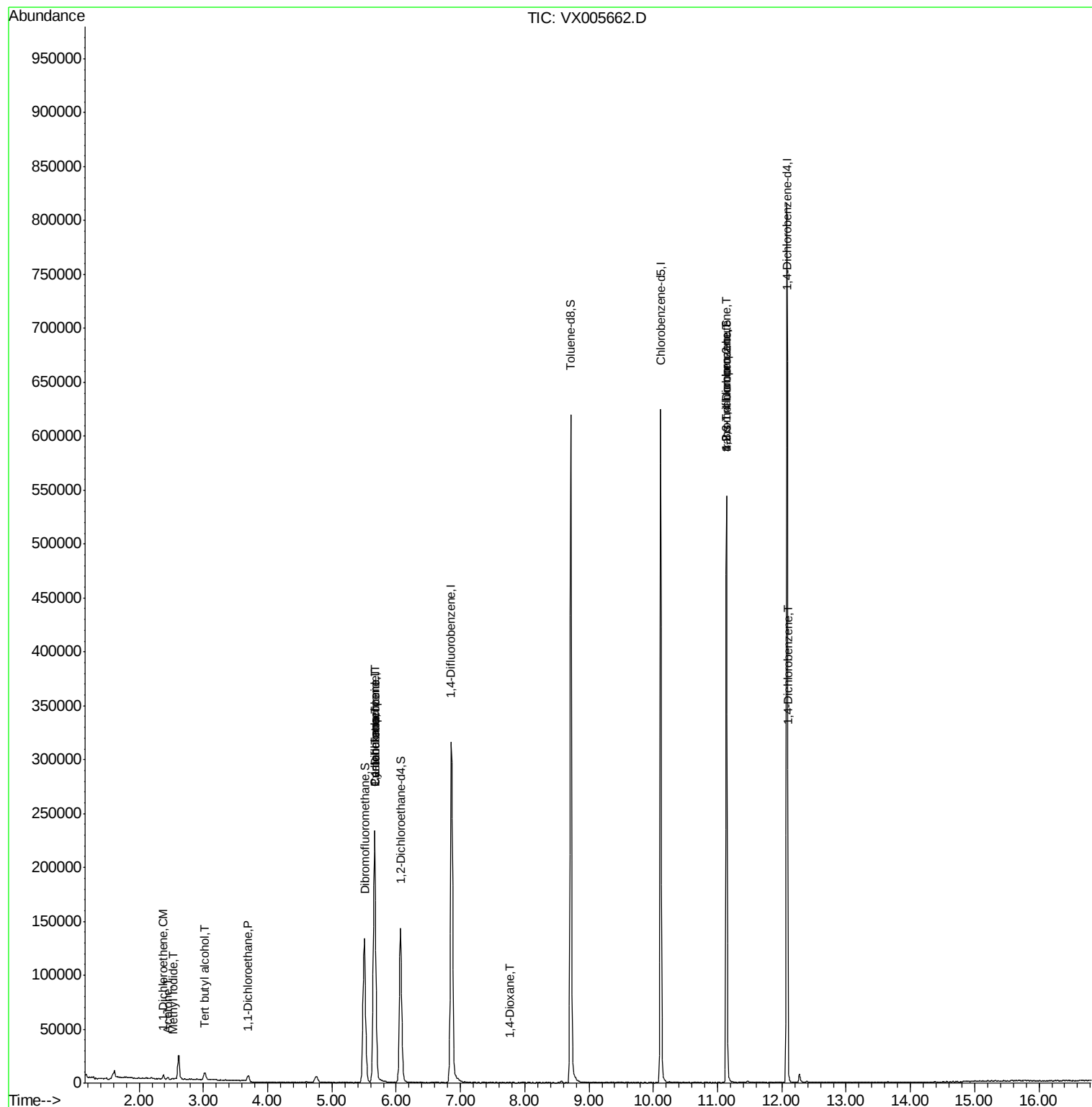
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	337	2.863	ug/l #	71
11) Tert butyl alcohol	3.02	59	4352	5.890	ug/l #	74
12) 1,1-Dichloroethene	2.37	96	1142	0.541	ug/l #	75
16) Acetone	2.45	43	1635	1.127	ug/l	92
18) Methyl Acetate	2.78	43	238	Below Cal	#	75
24) 1,1-Dichloroethane	3.70	63	5508	1.231	ug/l	97
31) Cyclohexane	5.67	56	4525	1.222	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16187	4.898	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19470	5.594	ug/l #	16
49) 1,4-Dioxane	7.76	88	48	0.713	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65331	17.962	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	65331	58.692	ug/l #	9
88) 1,4-Dichlorobenzene	12.10	146	1473	0.257	ug/l #	1

(#) = 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: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

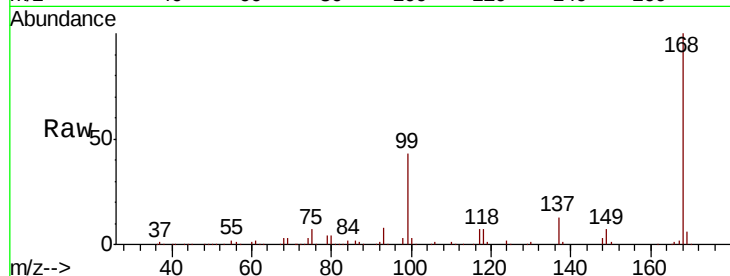
SA-PZ144I-20181025

Tot Ion:168 Resp: 224934

Ion Ratio Lower Upper

168 100

99 43.4 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

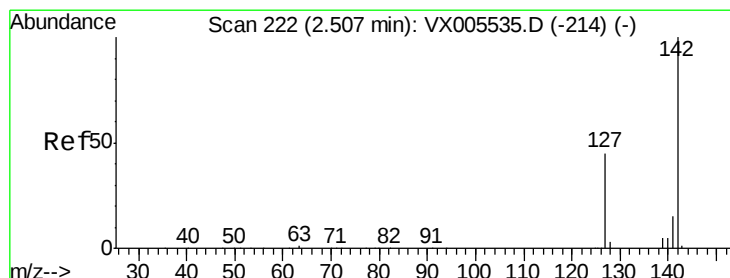
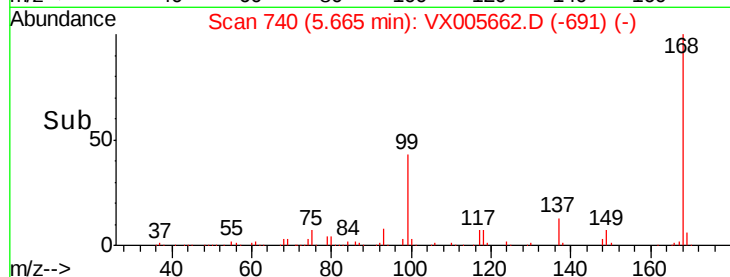
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 2.863 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

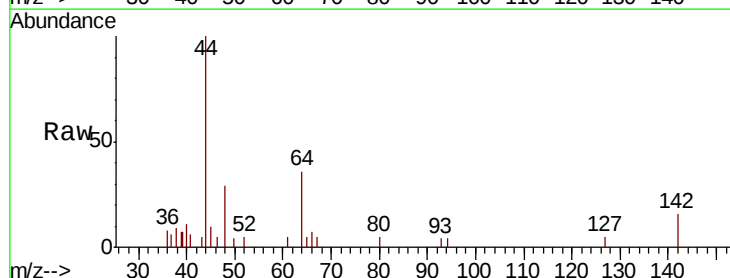
Tgt Ion:142 Resp: 337

Ion Ratio Lower Upper

142 100

127 27.6 36.0 54.0#

141 0.0 11.7 17.5#



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

250

200

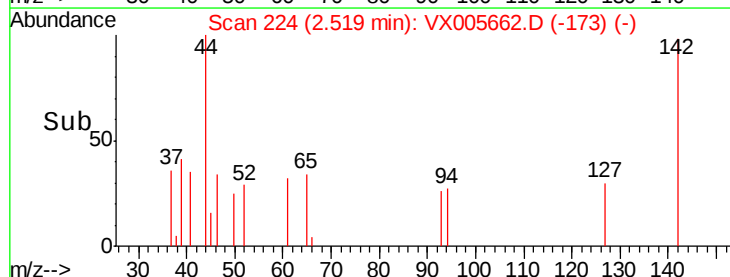
150

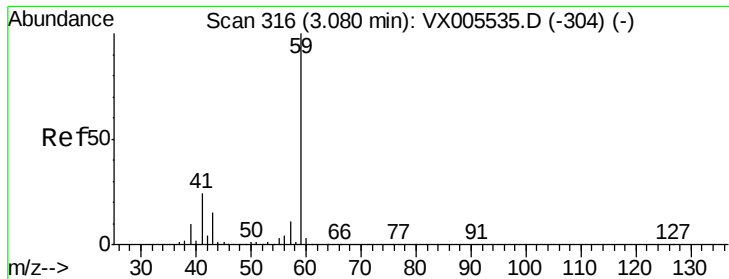
100

50

0

Time--> 2.50 2.55



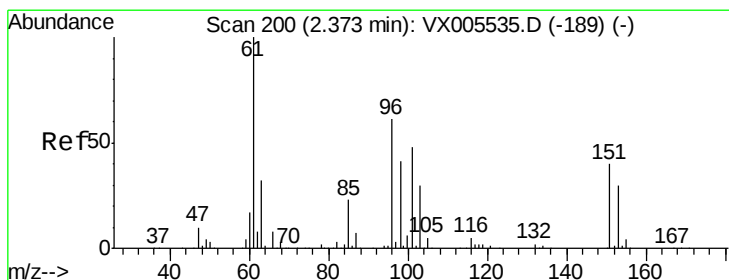
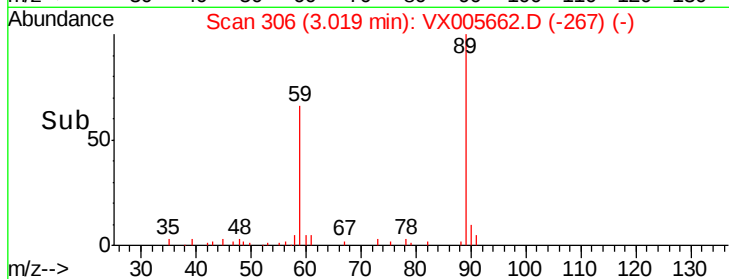
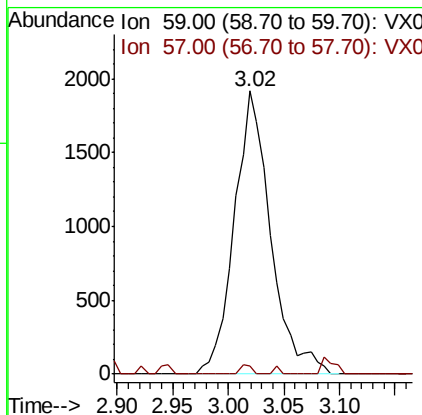
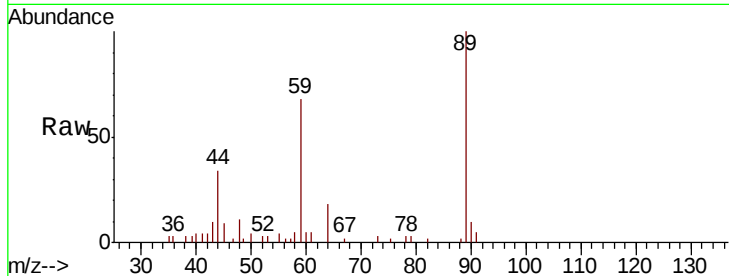


#11

Tert butyl alcohol
 Concen: 5.890 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ144I-20181025

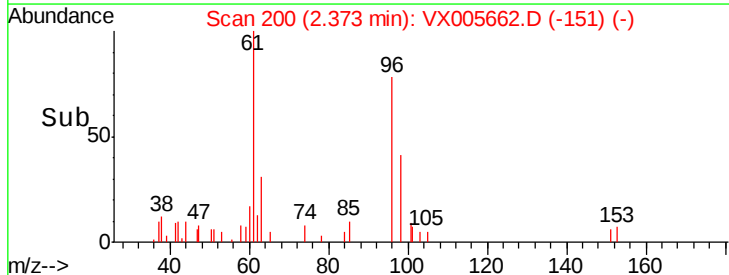
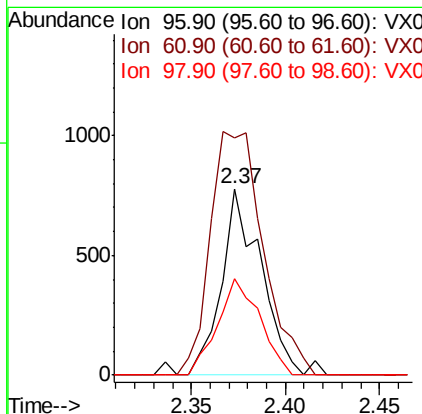
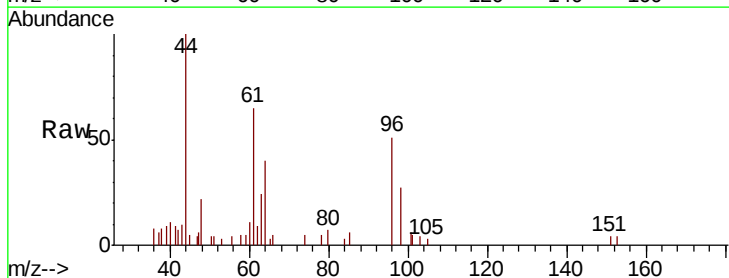
Tot Ion: 59 Resp: 4352
 Ion Ratio Lower Upper
 59 100
 57 1.0 8.5 12.7#

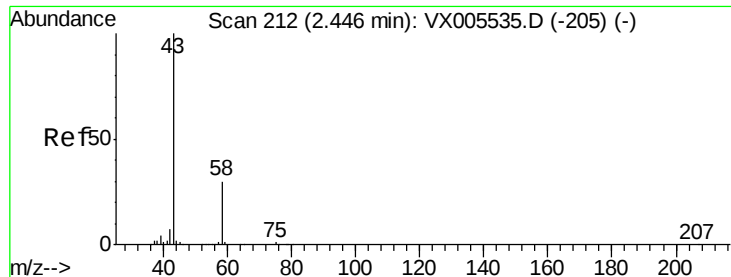


#12

1,1-Dichloroethene
 Concen: 0.541 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

Tgt Ion: 96 Resp: 1142
 Ion Ratio Lower Upper
 96 100
 61 127.5 131.8 197.8#
 98 51.9 53.4 80.2#





#16

Acetone

Concen: 1.127 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

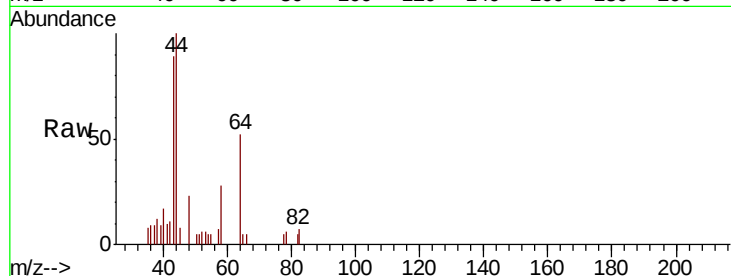
SA-PZ144I-20181025

Tot Ion: 43 Resp: 1635

Ion Ratio Lower Upper

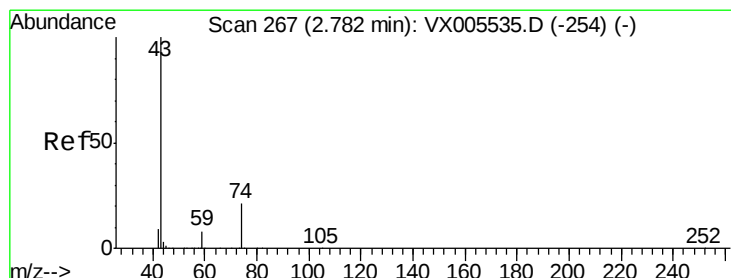
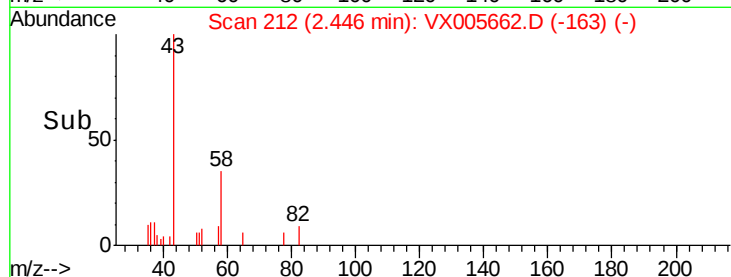
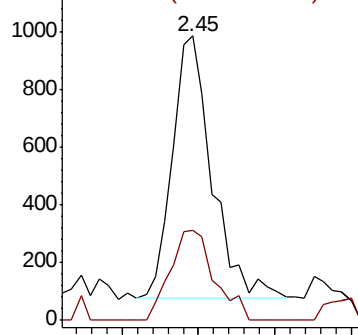
43 100

58 33.8 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: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005662.D

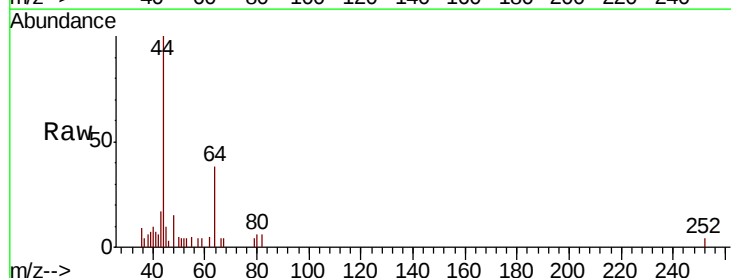
Acq: 29 Oct 2018 16:04

Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

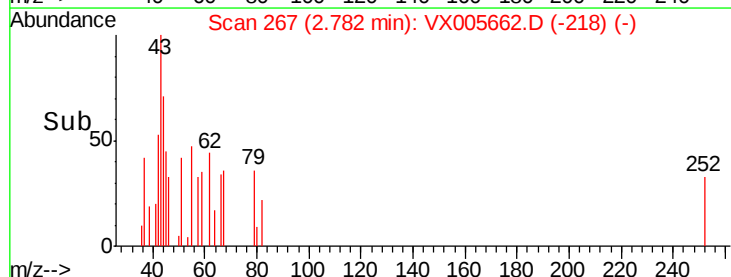
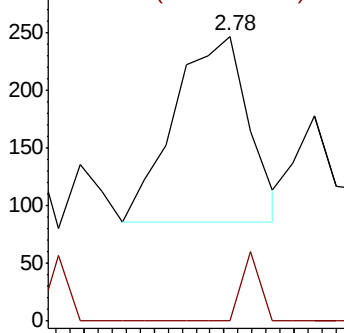
43 100

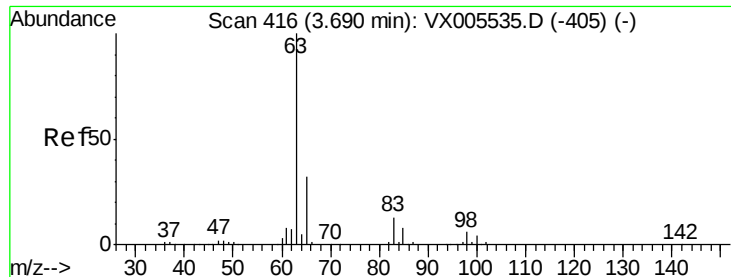
74 9.2 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#24

1,1-Dichloroethane

Concen: 1.231 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ144I-20181025

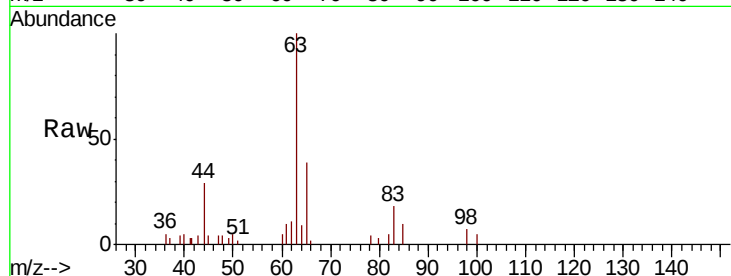
Tot Ion: 63 Resp: 5508

Ion Ratio Lower Upper

63 100

98 7.3 3.2 9.6

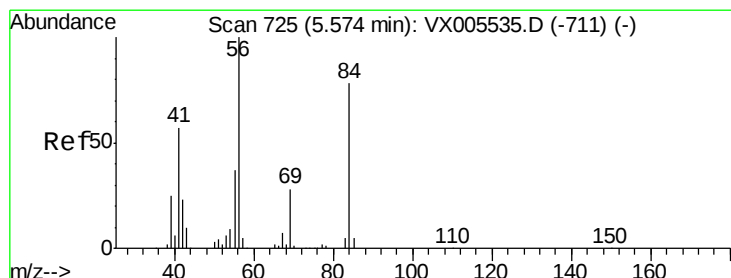
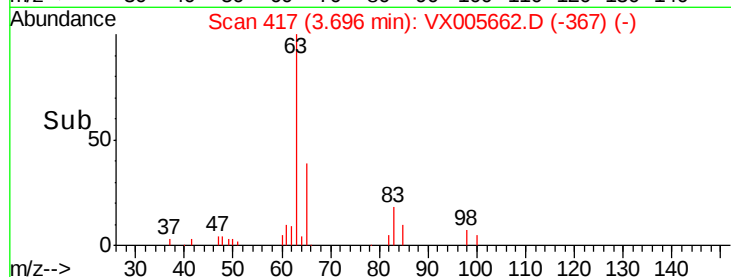
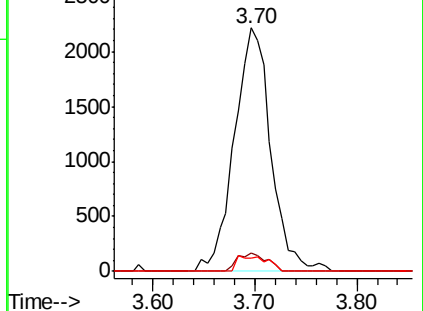
100 5.3 2.1 6.2



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



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.10 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

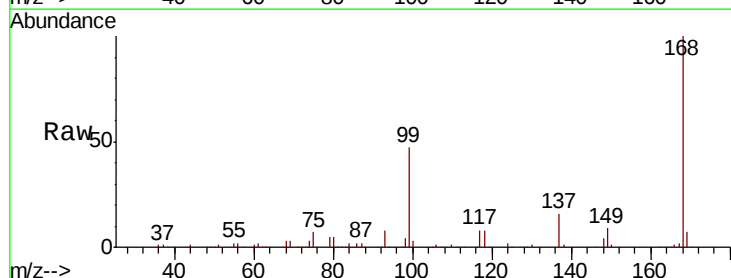
Tgt Ion: 56 Resp: 4525

Ion Ratio Lower Upper

56 100

69 162.3 22.6 34.0#

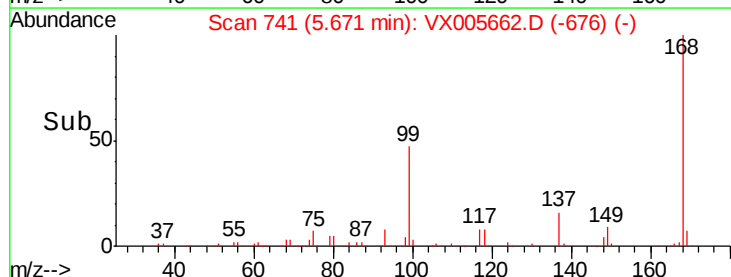
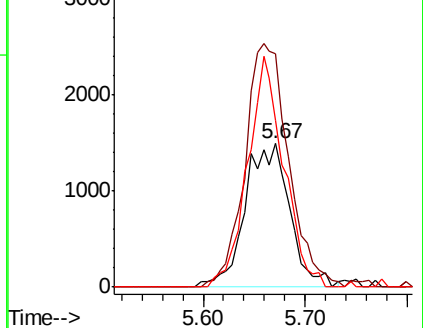
84 116.1 62.7 94.1#

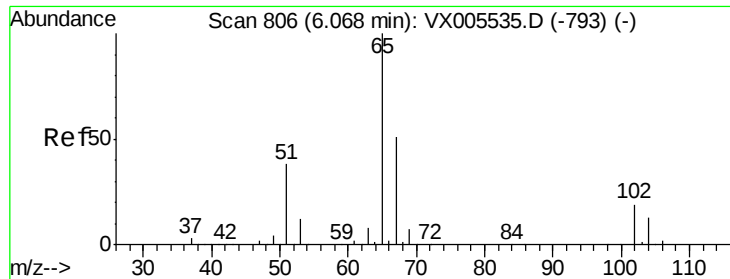


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.656 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

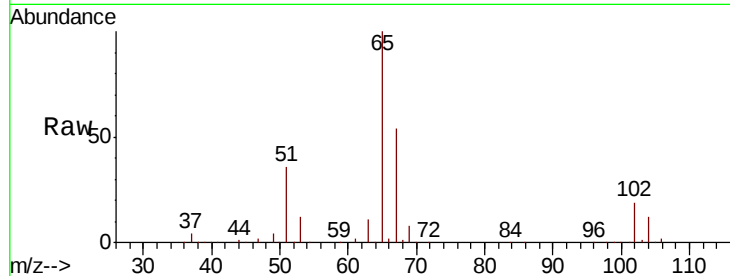
SA-PZ144I-20181025

Tot Ion: 65 Resp: 139088

Ion Ratio Lower Upper

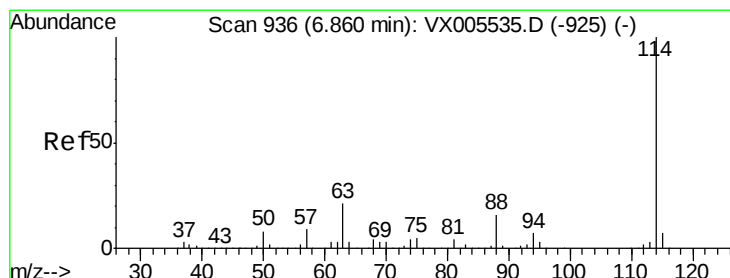
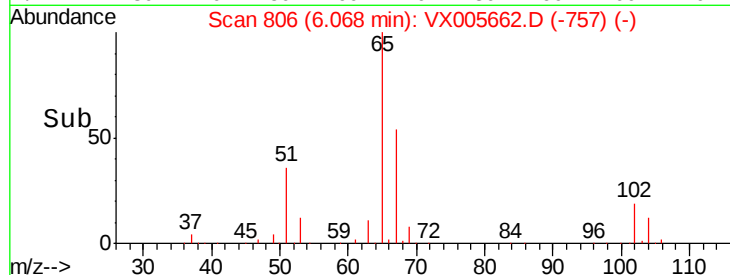
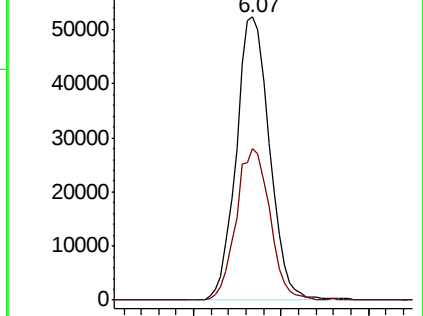
65 100

67 54.0 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

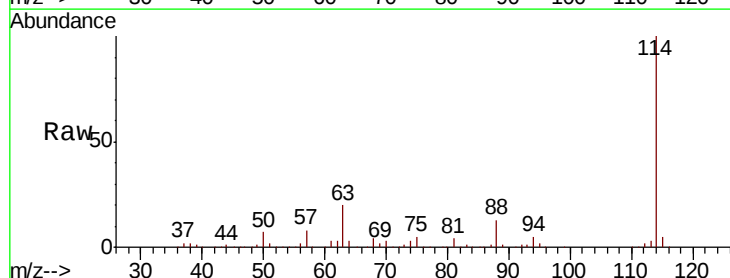
Tgt Ion: 114 Resp: 340519

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

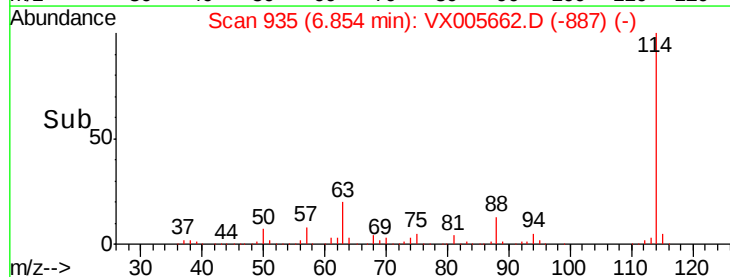
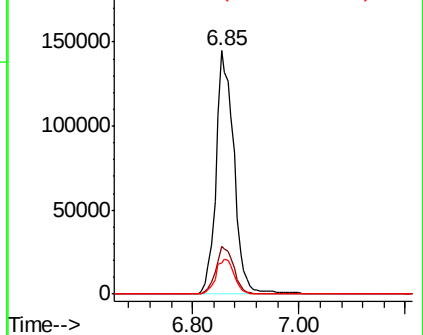
88 12.8 0.0 31.2

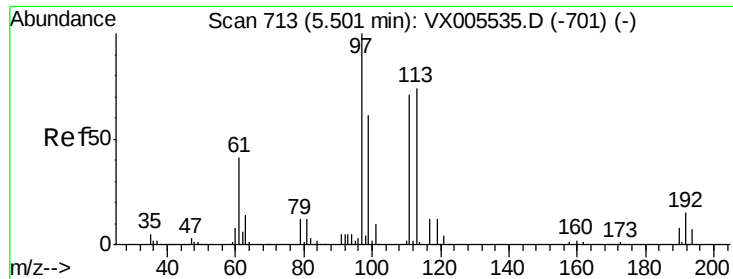


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

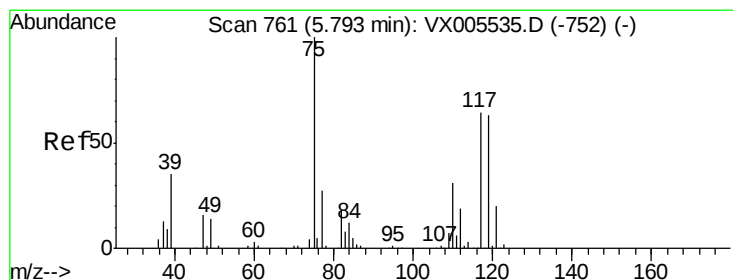
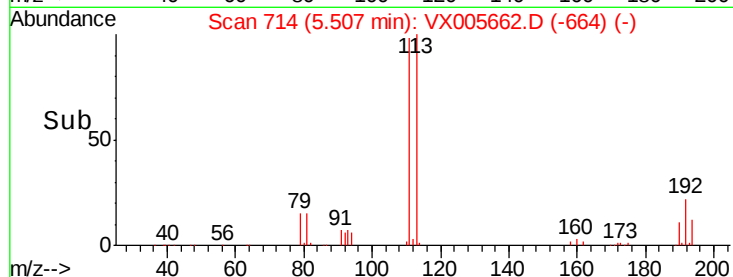
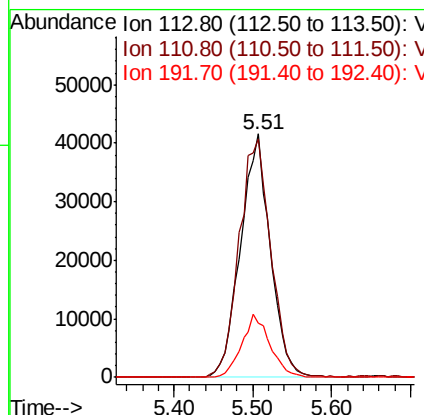
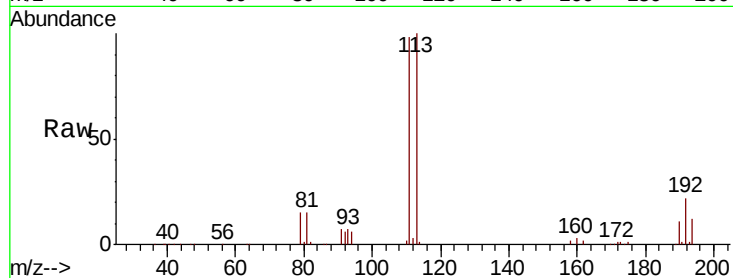




#35
 Dibromofluoromethane
 Concen: 47.350 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

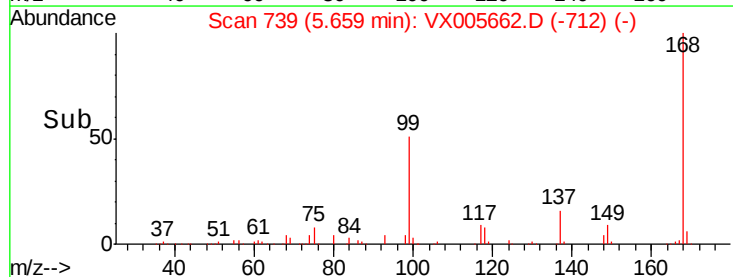
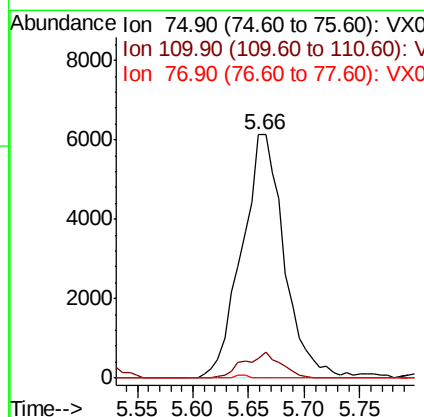
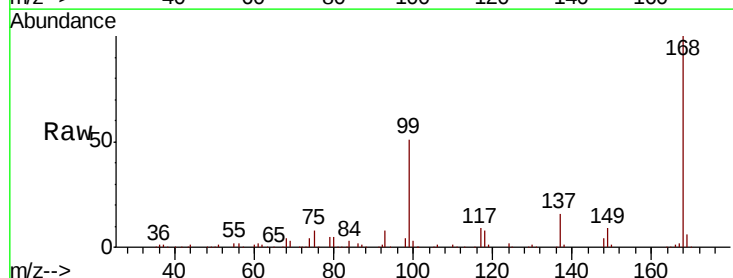
Instrument :
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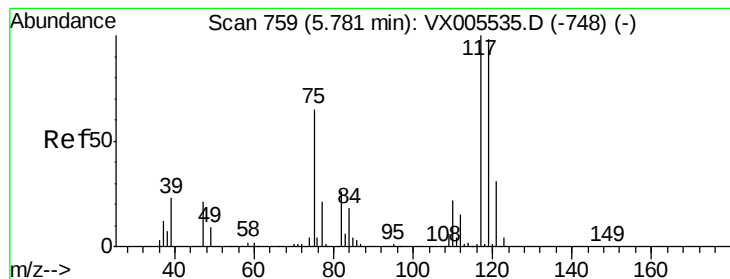
Tot Ion:113 Resp: 109176
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.3 123.5
 192 24.4 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.898 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

Tgt Ion: 75 Resp: 16187
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.4 52.2#
 77 0.3 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.594 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ144I-20181025

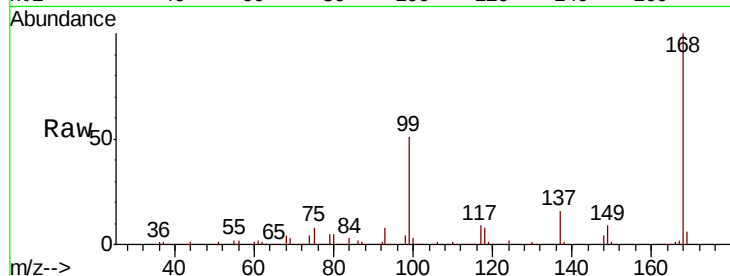
Tot Ion:117 Resp: 19470

Ion Ratio Lower Upper

117 100

119 5.9 78.1 117.1#

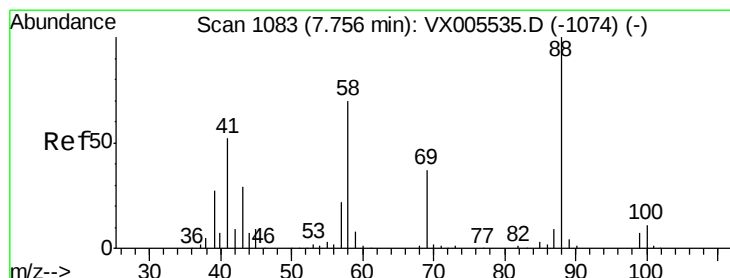
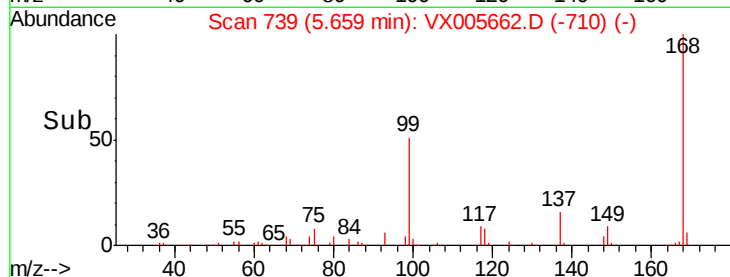
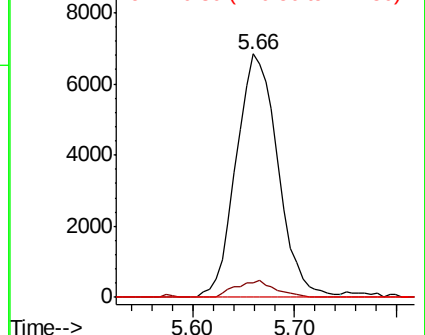
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.713 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

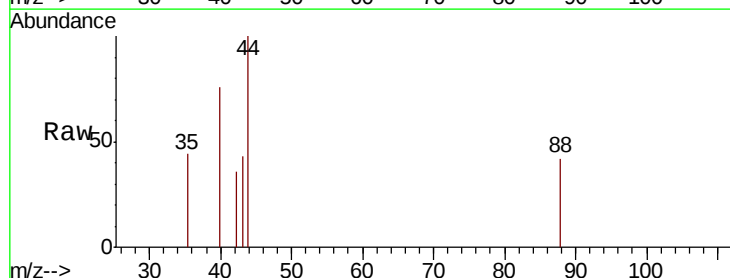
Tgt Ion: 88 Resp: 48

Ion Ratio Lower Upper

88 100

43 214.6 27.4 41.0#

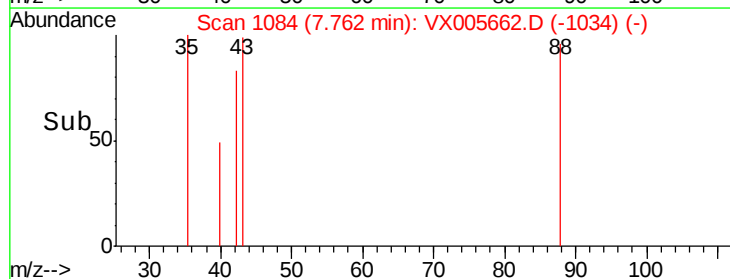
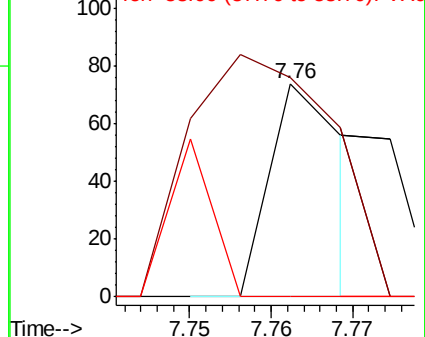
58 41.7 59.4 89.2#

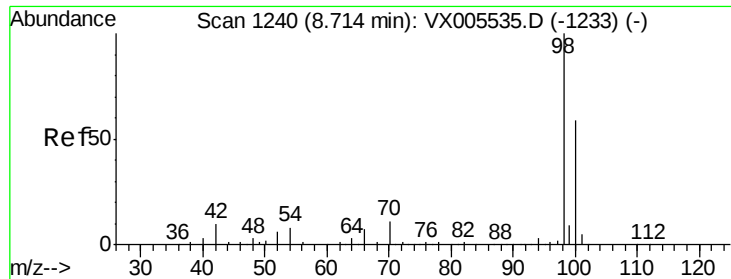


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.434 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

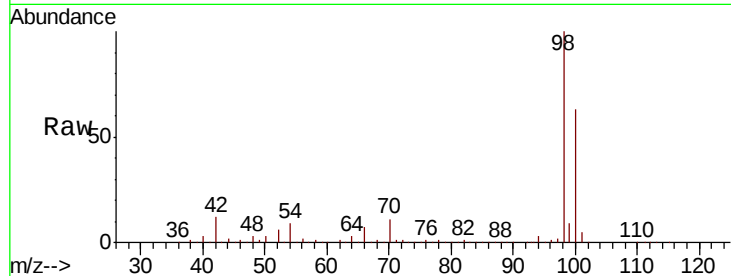
SA-PZ144I-20181025

Tot Ion: 98 Resp: 384699

Ion Ratio Lower Upper

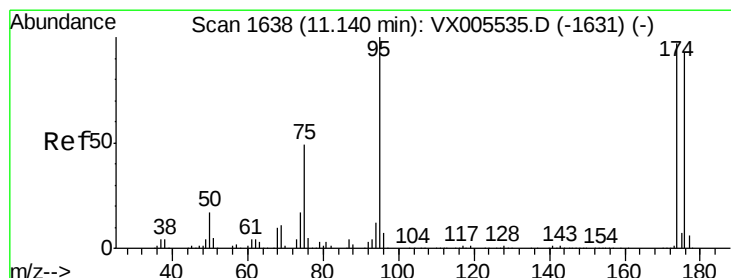
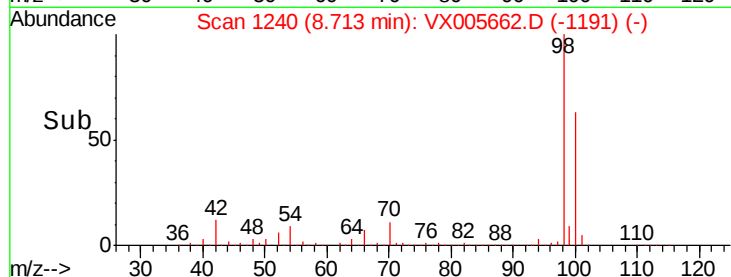
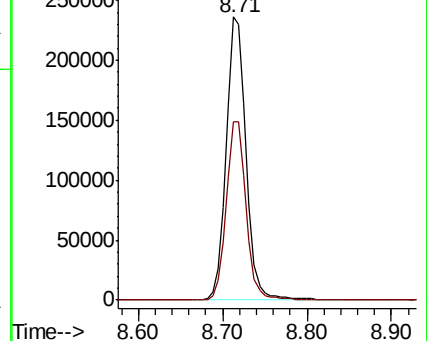
98 100

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



#62

4-Bromofluorobenzene

Concen: 42.570 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005662.D

Acq: 29 Oct 2018 16:04

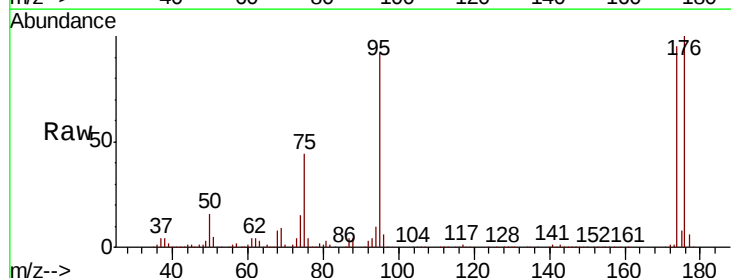
Tgt Ion: 95 Resp: 133190

Ion Ratio Lower Upper

95 100

174 94.1 0.0 184.4

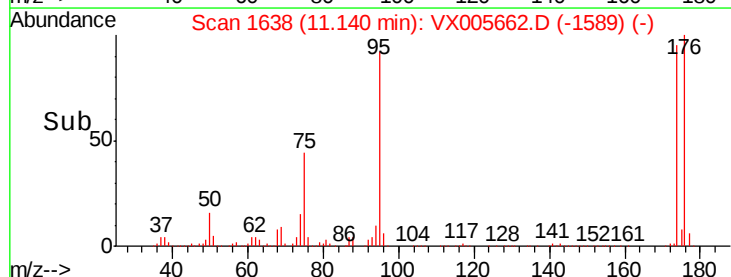
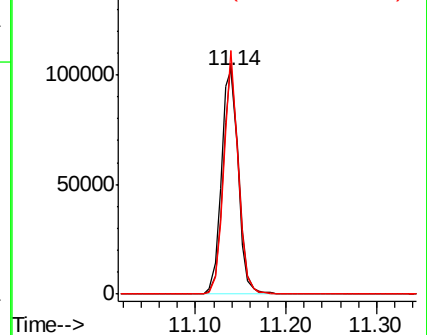
176 92.0 0.0 177.4

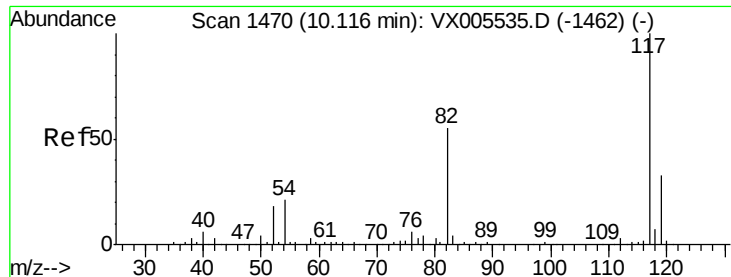


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

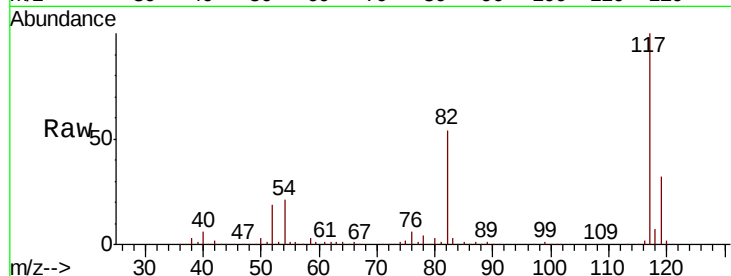




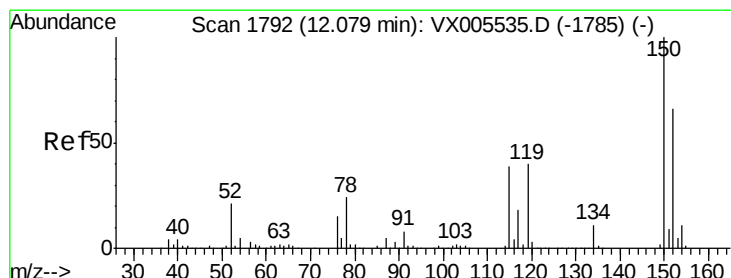
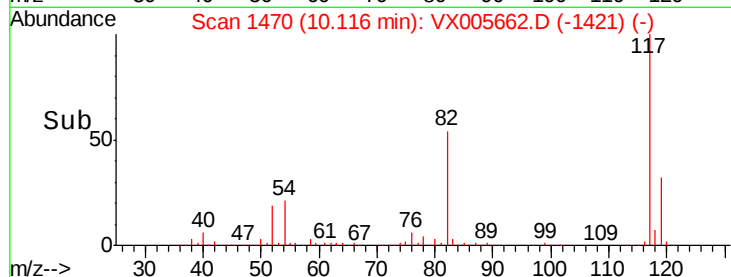
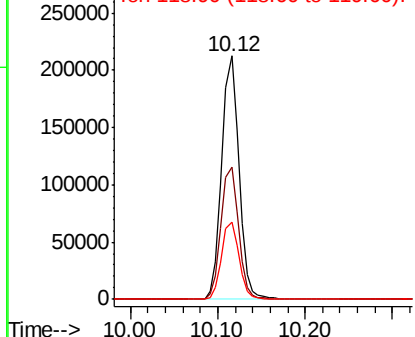
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005662.D
Acq: 29 Oct 2018 16:04

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ144I-20181025

Tot Ion:117 Resp: 290770
Ion Ratio Lower Upper
117 100
82 54.2 44.1 66.1
119 31.9 26.2 39.2

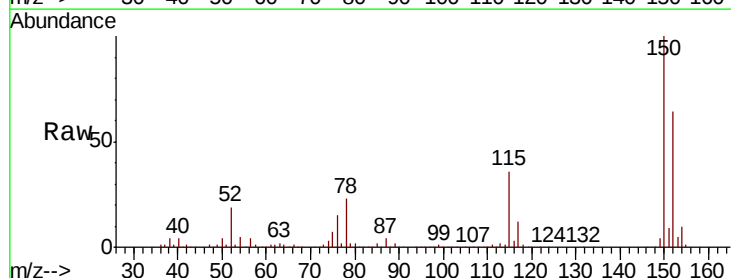


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

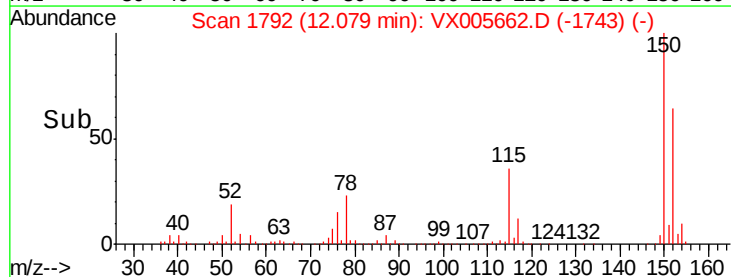
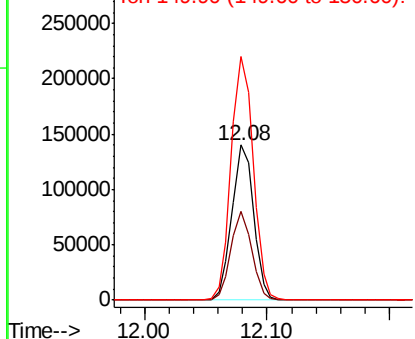


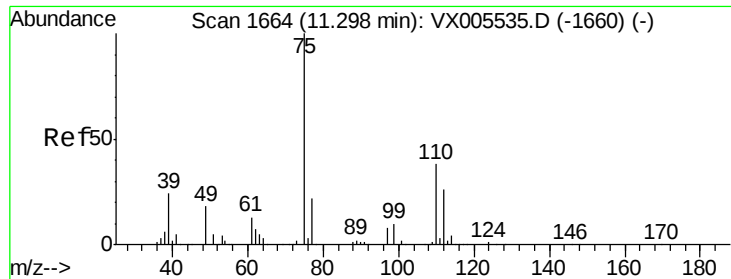
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005662.D
Acq: 29 Oct 2018 16:04

Tgt Ion:152 Resp: 171662
Ion Ratio Lower Upper
152 100
115 55.6 39.4 118.1
150 160.1 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

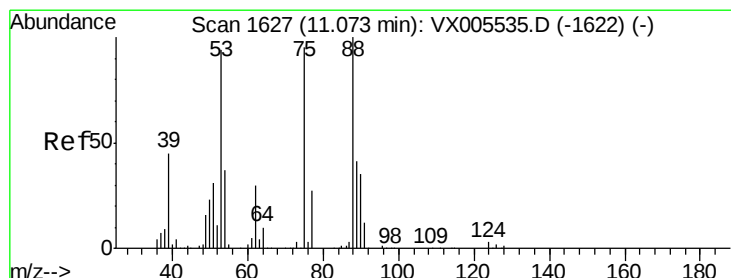
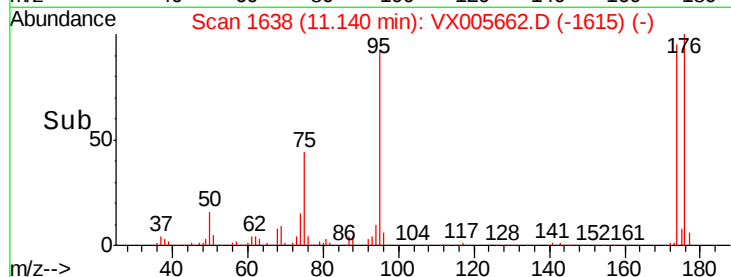
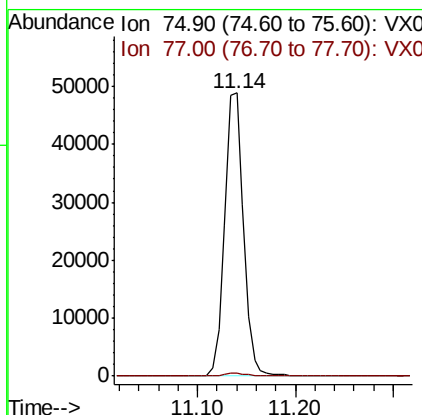
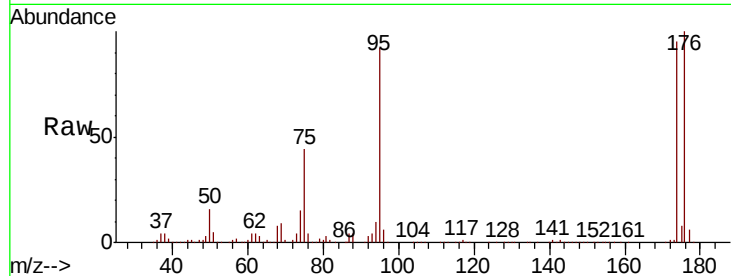




#76
 1,2,3-Trichloropropane
 Concen: 17.962 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

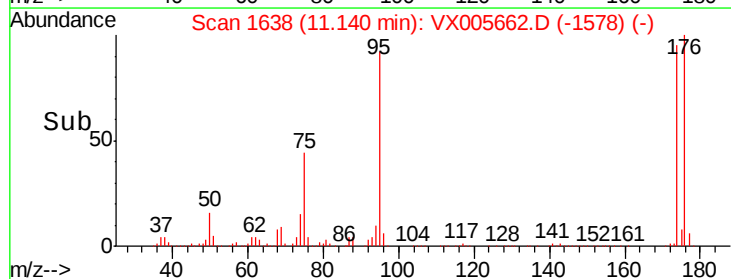
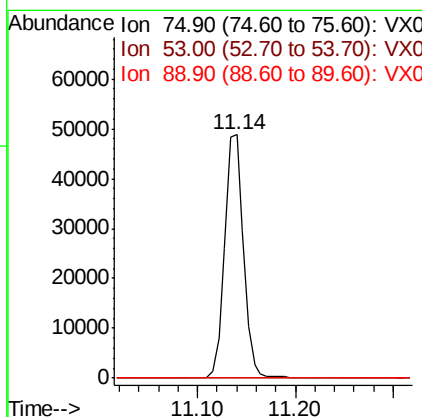
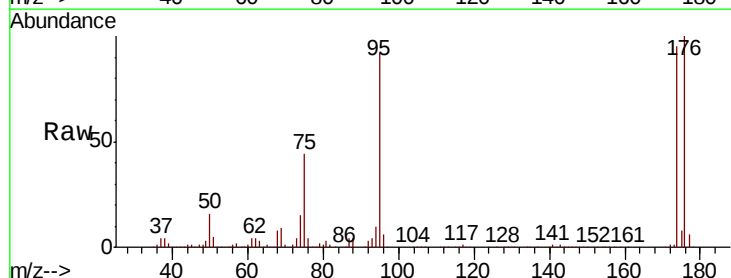
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ144I-20181025

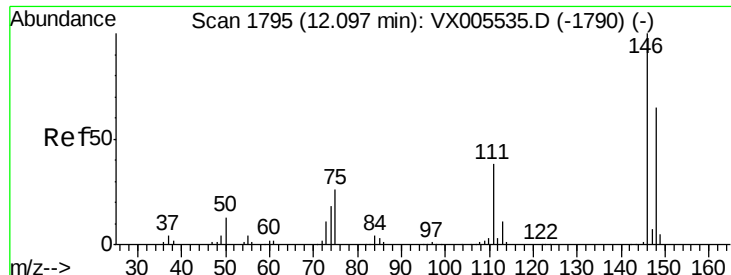
Tot Ion: 75 Resp: 65331
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.692 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005662.D
 Acq: 29 Oct 2018 16:04

Tgt Ion: 75 Resp: 65331
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.0 39.8 59.8#





#88

1,4-Dichlorobenzene

Concen: 0.257 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005662.D

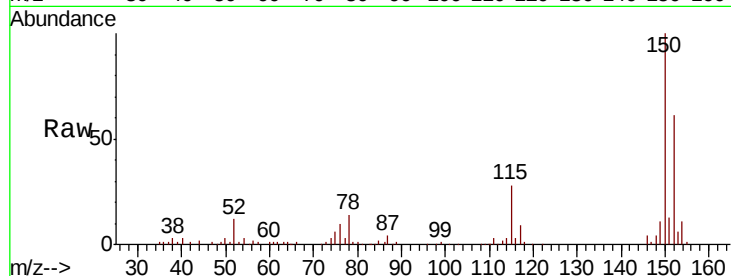
Acq: 29 Oct 2018 16:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ144I-20181025



Tot Ion:	146	Resp:	1473
Ion	Ratio	Lower	Upper
146	100		
111	178.5	18.6	55.8#
148	112.0	32.1	96.3#

