

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006622.D
 Acq On : 19 Dec 2018 02:58
 Operator : JC/MD
 Sample : J6408-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.PZ134I-20181208

Quant Time: Dec 19 06:06:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	636757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1013519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	930780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	450512	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	354511	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
35) Dibromofluoromethane	5.51	113	300100	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	8.71	98	1213564	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.14	95	447567	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	

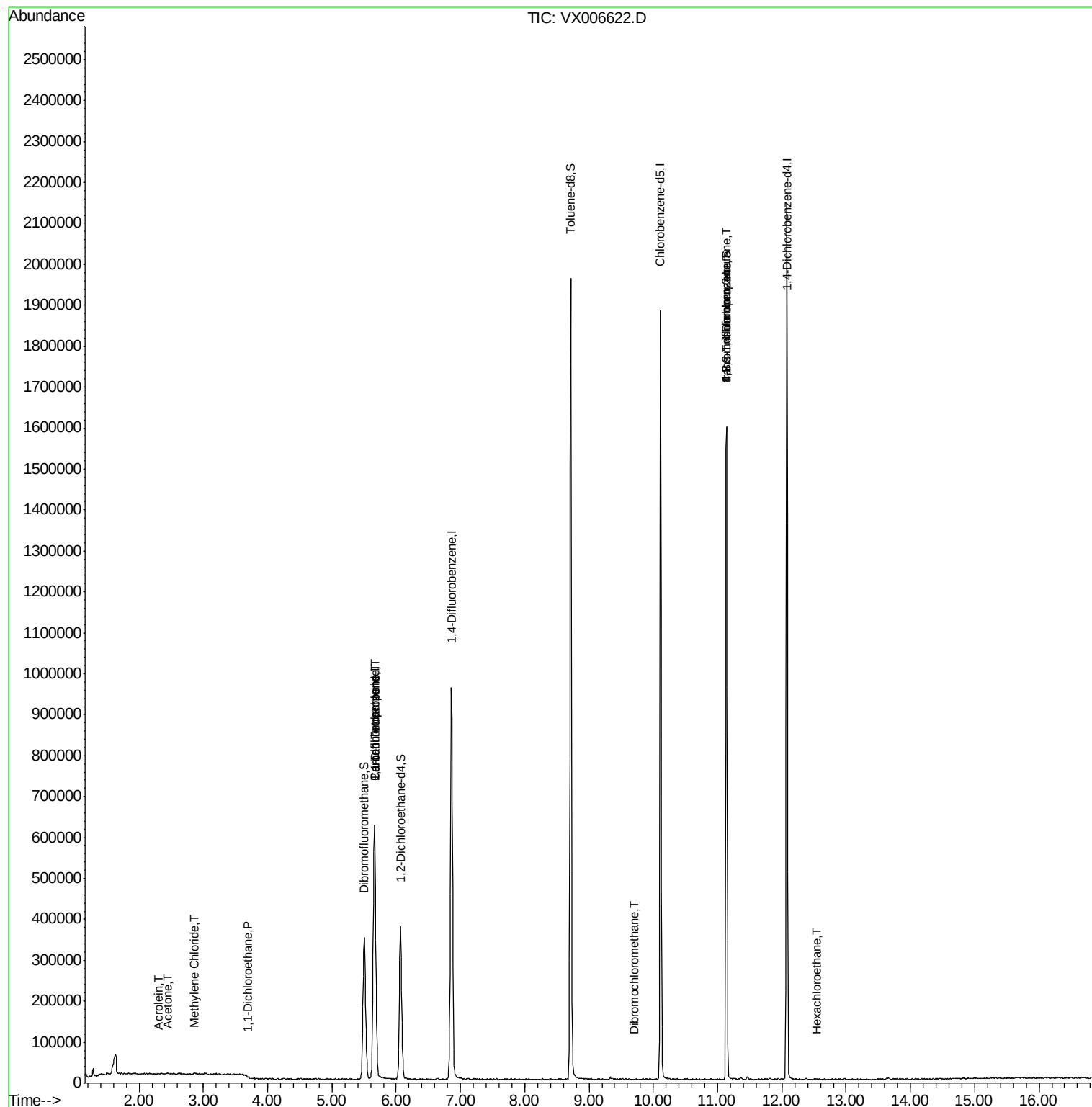
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1824	Below Cal	#	29
13) Acrolein	2.29	56	411	0.398	ug/l #	30
16) Acetone	2.45	43	3022	0.958	ug/l #	75
20) Methylene Chloride	2.86	84	1643	0.252	ug/l #	67
24) 1,1-Dichloroethane	3.70	63	2561	0.245	ug/l #	84
28) Bromochloromethane	5.03	49	239	Below Cal	#	51
36) 1,1-Dichloropropene	5.67	75	42465	5.059	ug/l #	48
38) Carbon Tetrachloride	5.67	117	60448	7.410	ug/l #	17
49) 1,4-Dioxane	7.75	88	75	Below Cal	#	1
60) Dibromochloromethane	9.70	129	152	2.345	ug/l	79
76) 1,2,3-Trichloropropane	11.13	75	205876	26.074	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	205876	72.732	ug/l #	15
90) Hexachloroethane	12.54	117	56	3.305	ug/l	60

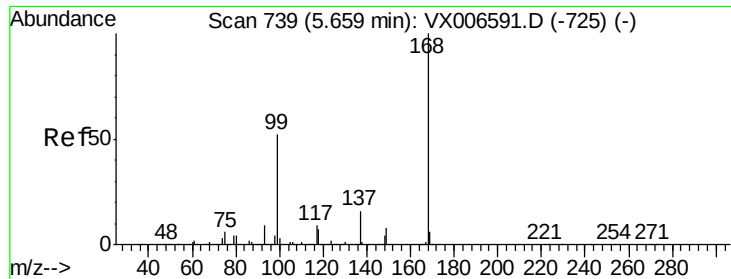
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

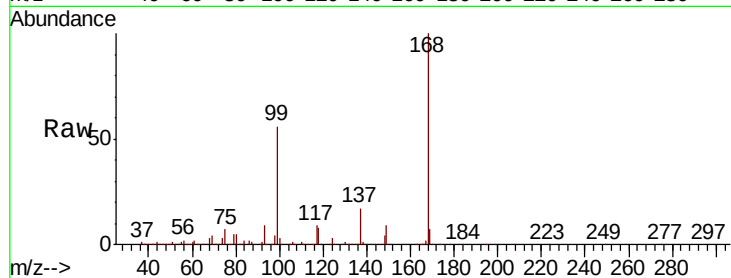
SA.PZ134I-20181208

Tot Ion:168 Resp: 636757

Ion Ratio Lower Upper

168 100

99 56.2 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

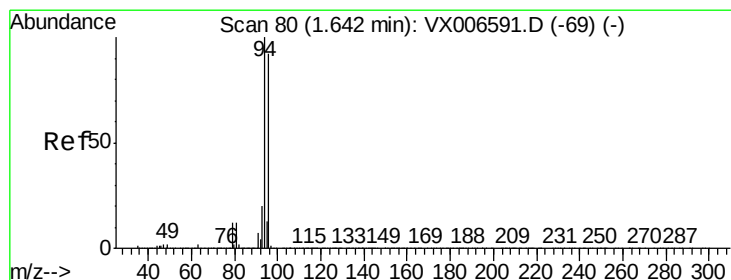
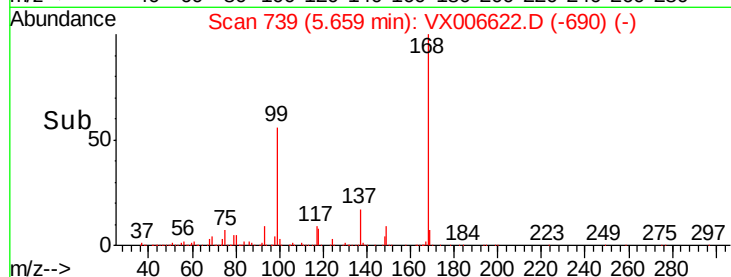
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX006622.D

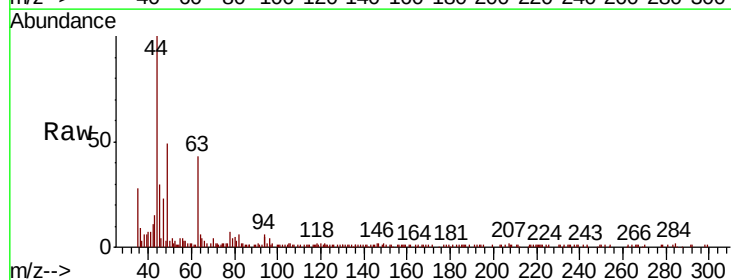
Acq: 19 Dec 2018 02:58

Tgt Ion: 94 Resp: 1824

Ion Ratio Lower Upper

94 100

96 24.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

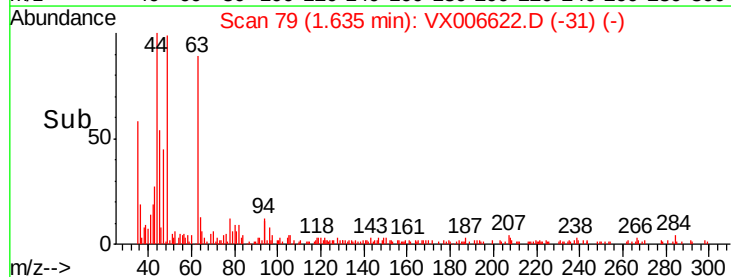
1.64

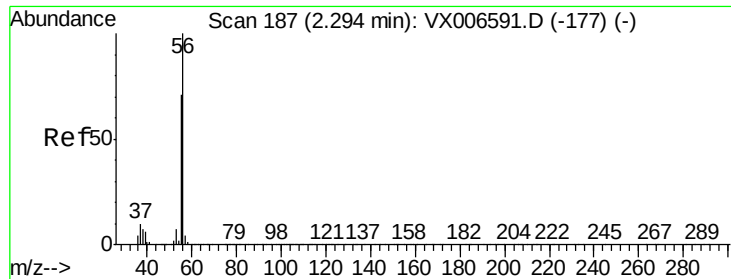
1000

500

0

Time-->





#13

Acrolein

Concen: 0.398 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

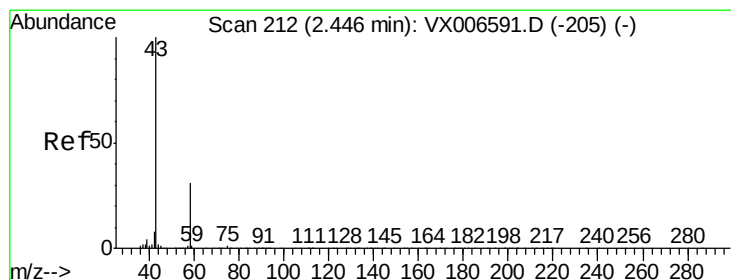
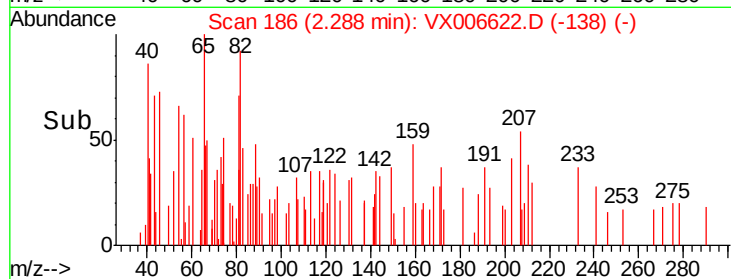
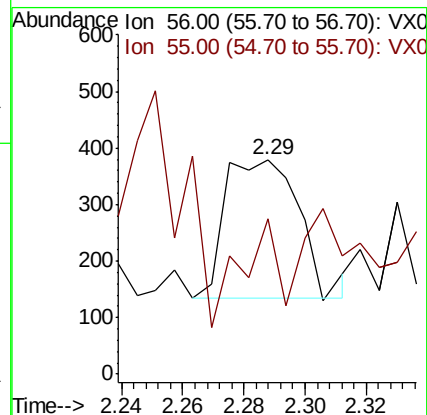
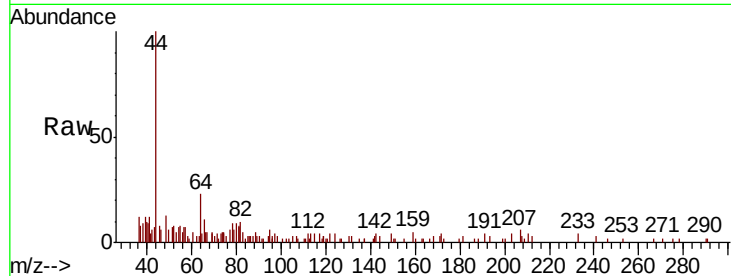
SA.PZ134I-20181208

Tot Ion: 56 Resp: 411

Ion Ratio Lower Upper

56 100

55 13.6 57.8 86.6#



#16

Acetone

Concen: 0.958 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006622.D

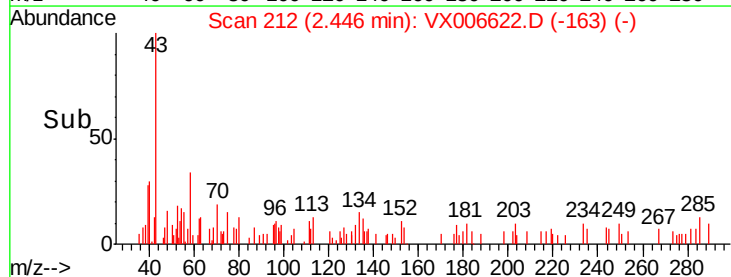
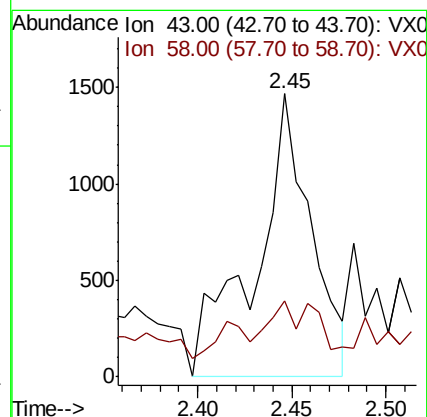
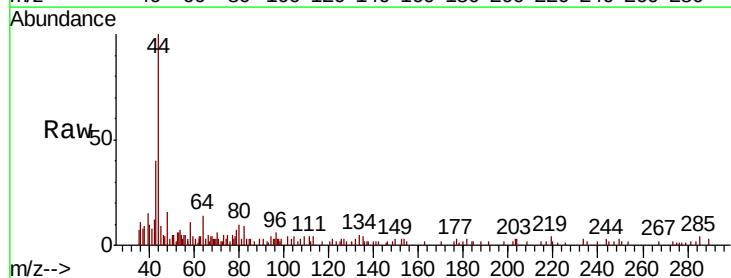
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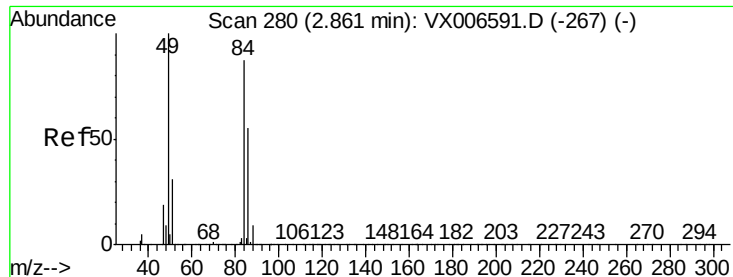
Tgt Ion: 43 Resp: 3022

Ion Ratio Lower Upper

43 100

58 16.5 24.0 36.0#

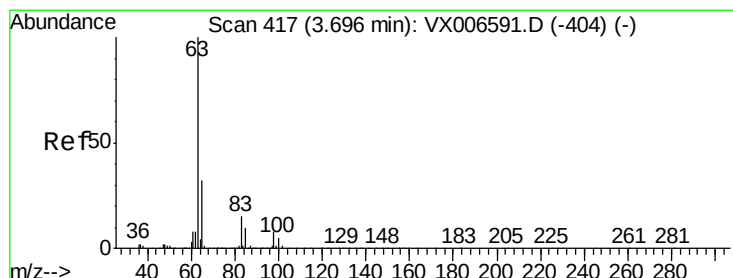
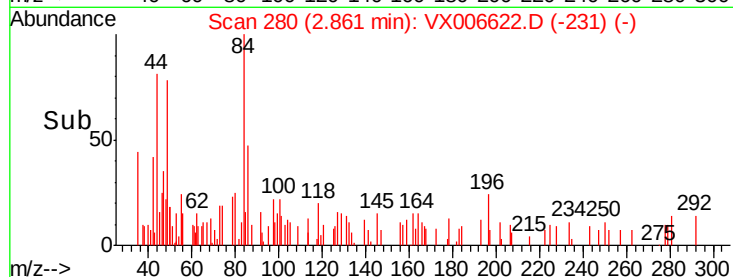
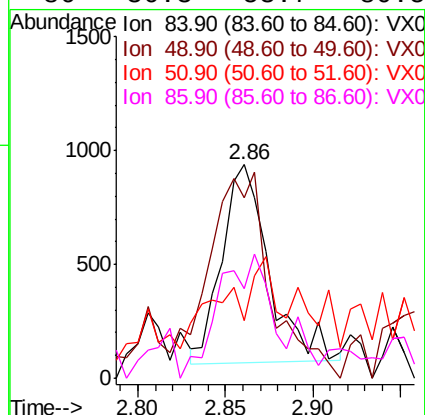
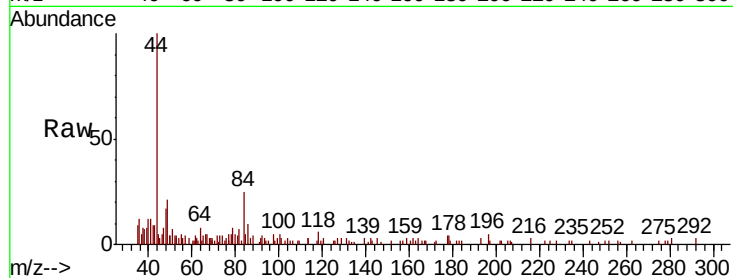




#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

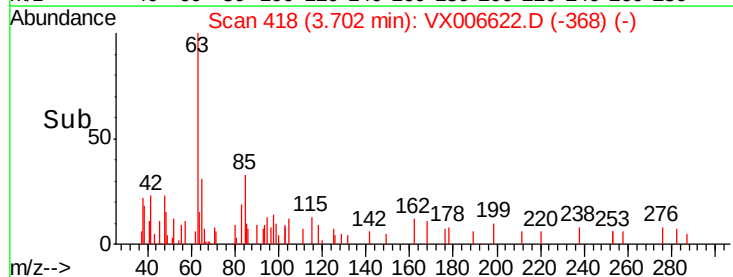
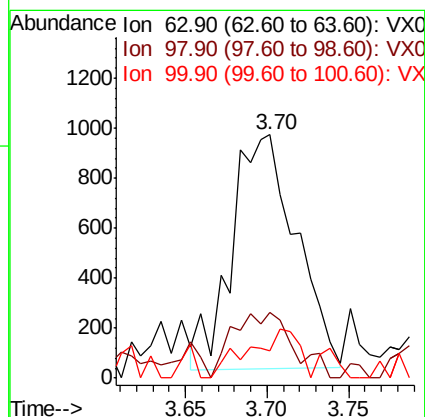
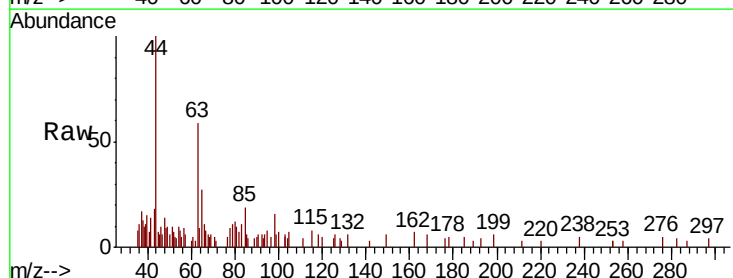
Instrument :
MSVOA_X
ClientSampleId :
SA.PZ134I-20181208

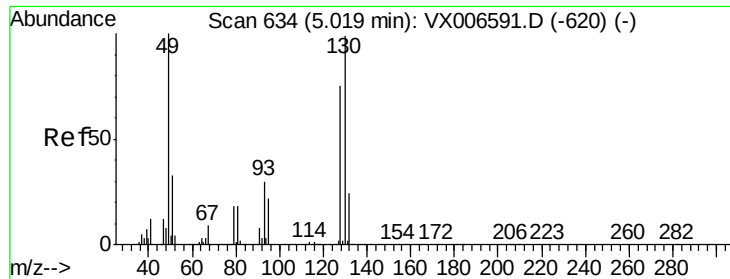
Tot Ion:	84	Resp:	1643
Ion	Ratio	Lower	Upper
84	100		
49	96.2	102.2	153.4#
51	14.3	31.1	46.7#
86	36.3	53.7	80.5#



#24
1,1-Dichloroethane
Concen: 0.245 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

Tgt Ion:	63	Resp:	2561
Ion	Ratio	Lower	Upper
63	100		
98	16.0	3.8	11.4#
100	6.5	2.5	7.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ134I-20181208

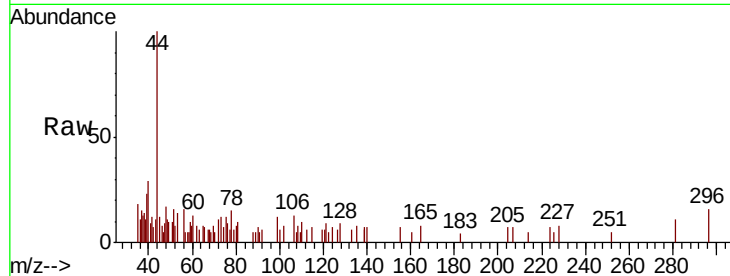
Tot Ion: 49 Resp: 239

Ion Ratio Lower Upper

49 100

129 43.9 0.0 5.0#

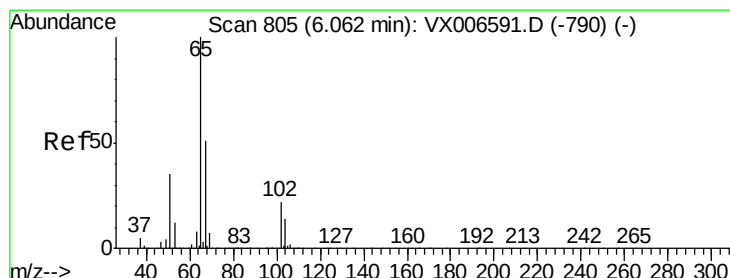
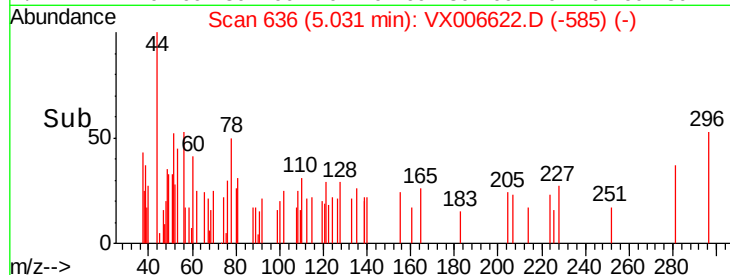
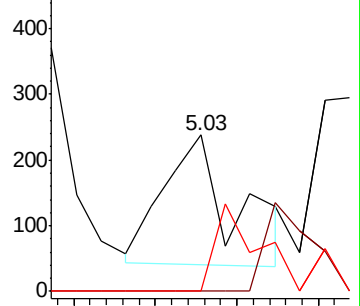
130 51.0 78.3 117.5#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 51.658 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006622.D

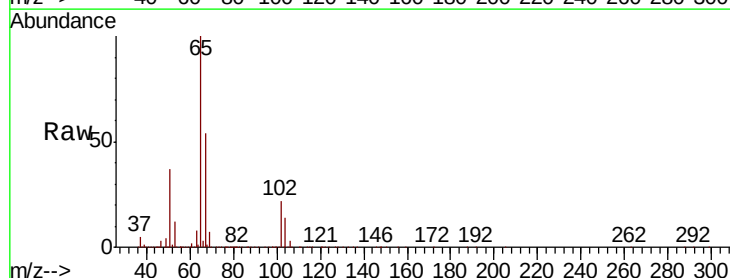
Acq: 19 Dec 2018 02:58

Tgt Ion: 65 Resp: 354511

Ion Ratio Lower Upper

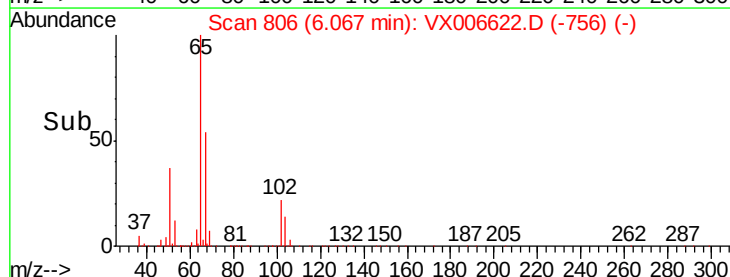
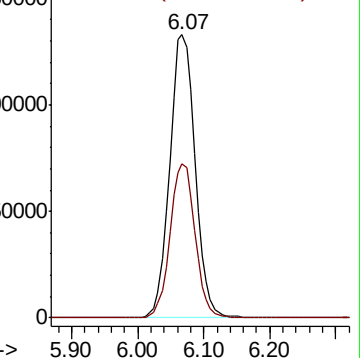
65 100

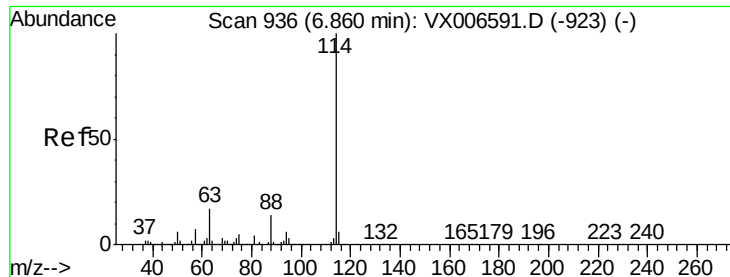
67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

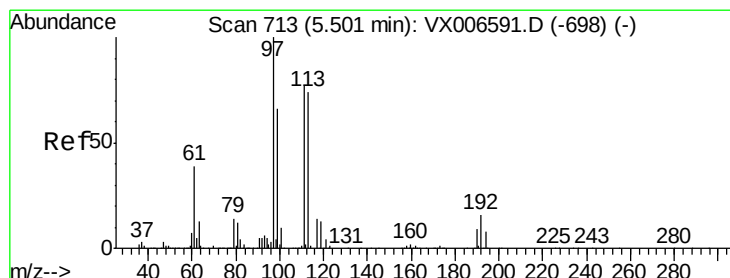
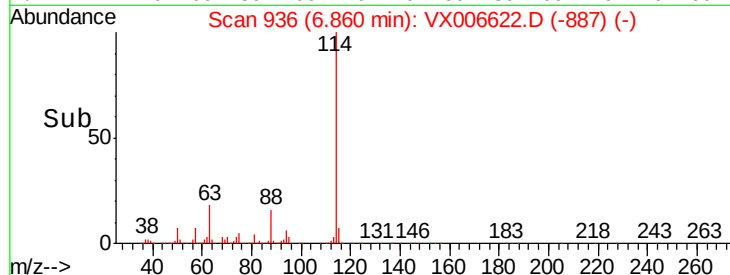
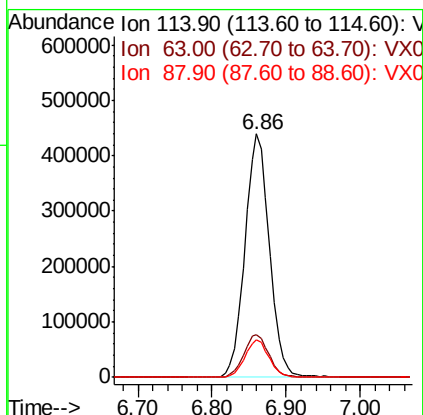
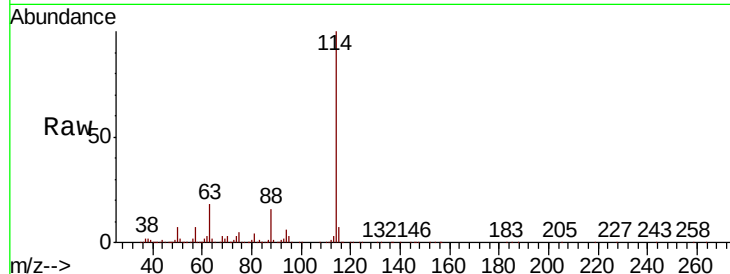




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006622.D
 Acq: 19 Dec 2018 02:58

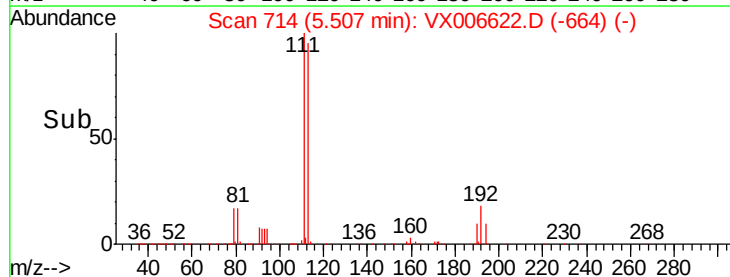
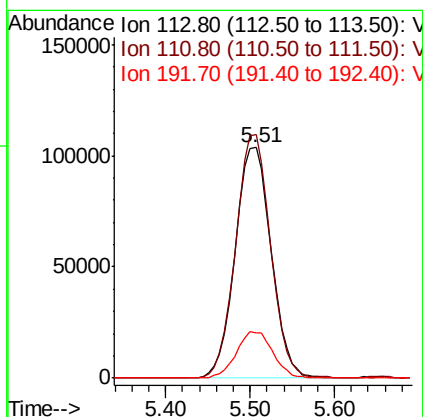
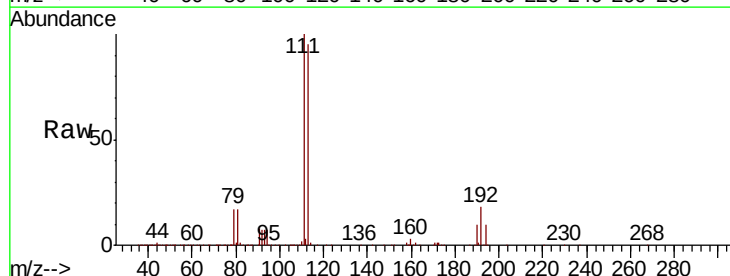
Instrument :
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 SA.PZ134I-20181208

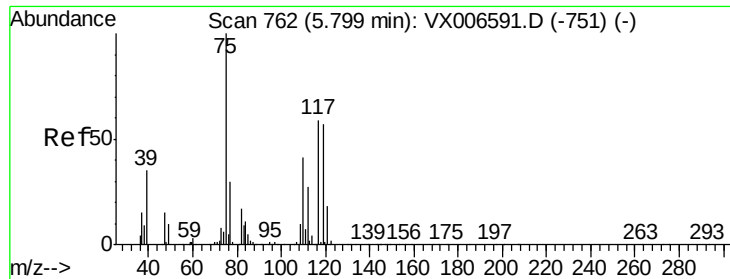
Tot Ion:114 Resp: 1013519
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.6
 88 15.6 0.0 29.0



#35
 Dibromofluoromethane
 Concen: 46.823 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX006622.D
 Acq: 19 Dec 2018 02:58

Tgt Ion:113 Resp: 300100
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.1 121.7
 192 20.3 18.2 27.2

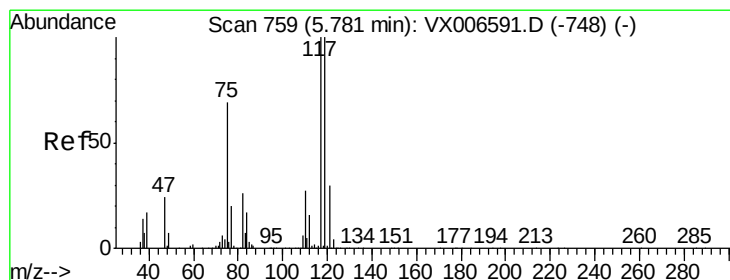
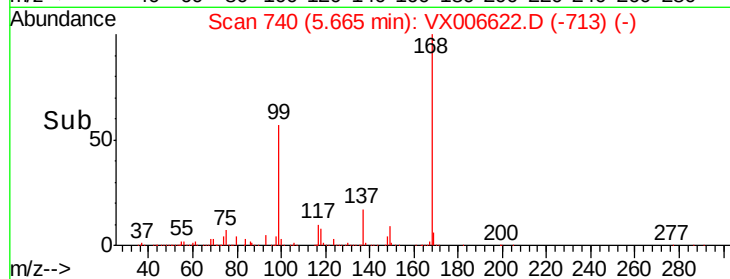
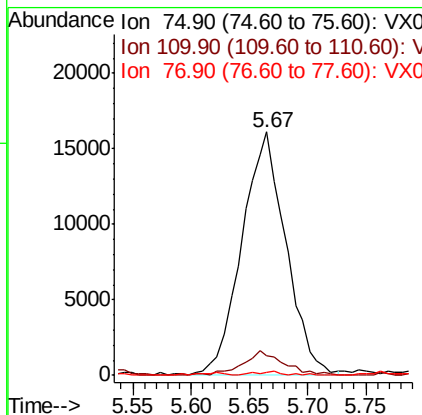
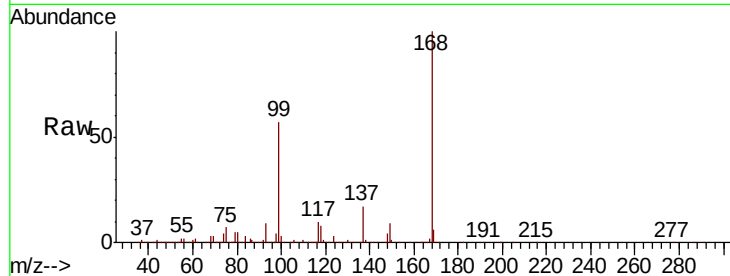




#36
 1,1-Dichloropropene
 Concen: 5.059 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006622.D
 Acq: 19 Dec 2018 02:58

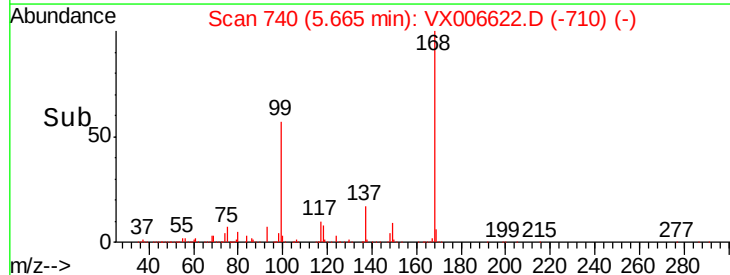
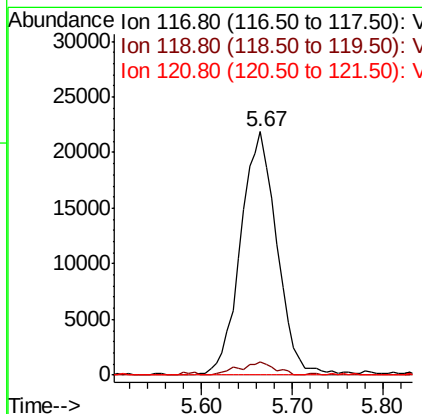
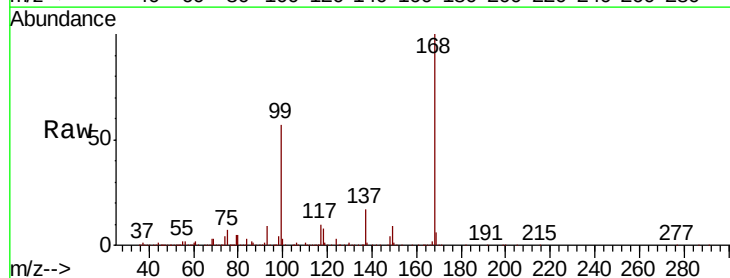
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 ClientSampleId :
 SA.PZ134I-20181208

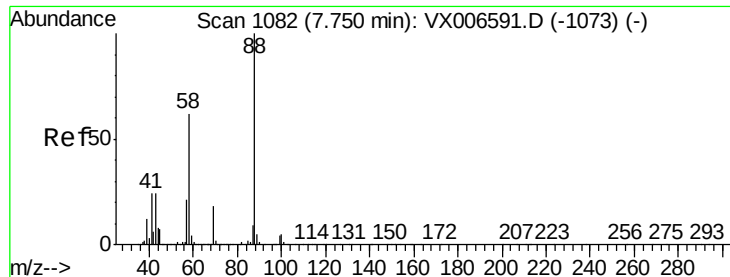
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	20.4	61.3#
77	0.6	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 7.410 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX006622.D
 Acq: 19 Dec 2018 02:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	75.8	113.8#
121	0.4	24.6	37.0#

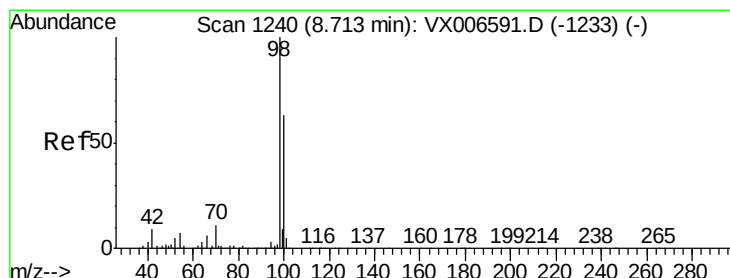
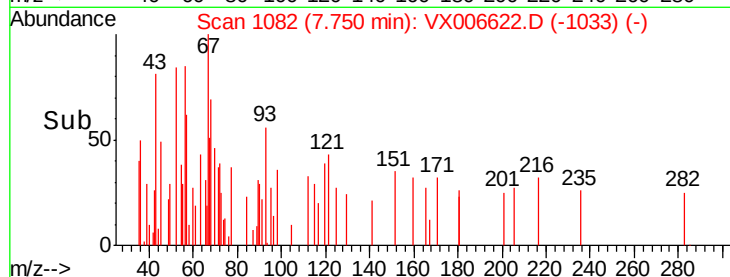
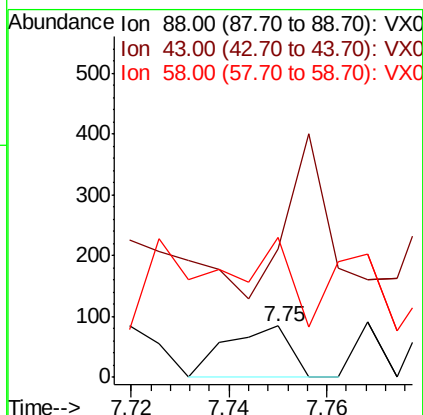
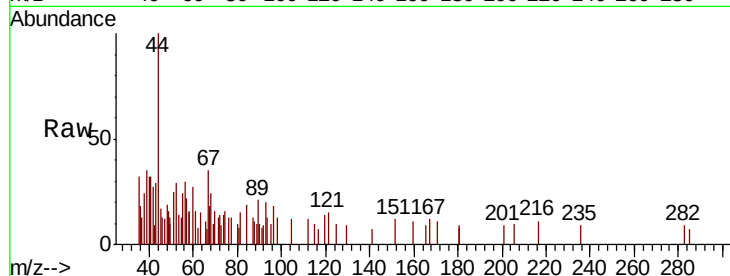




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

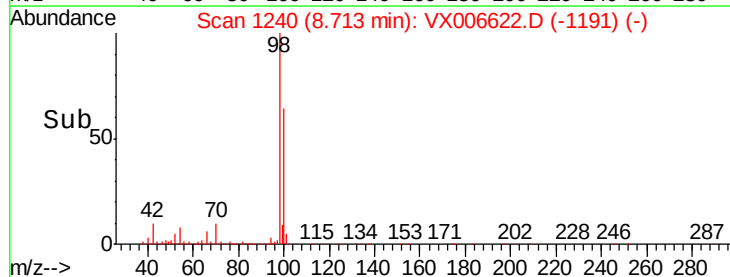
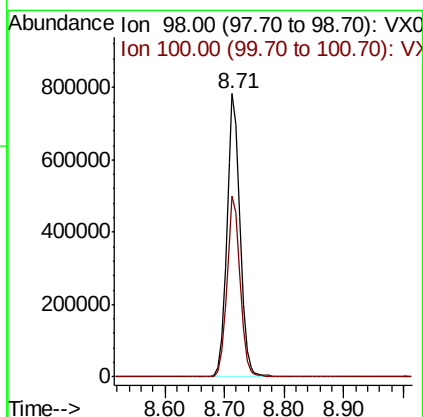
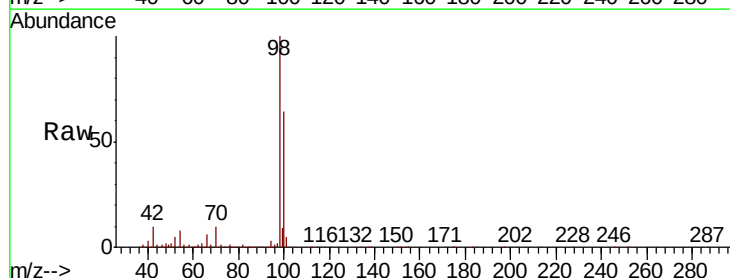
Instrument :
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ClientSampleId :
SA.PZ134I-20181208

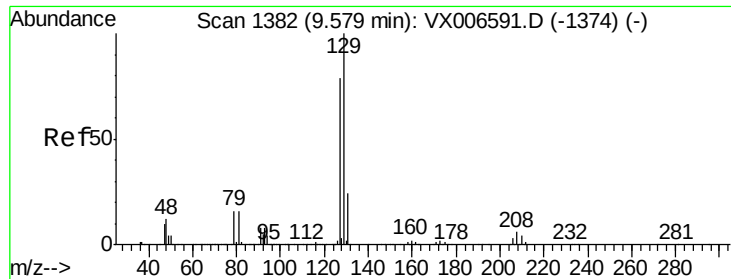
Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 213.3 23.2 34.8#
58 282.7 51.4 77.0#



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

Tgt Ion: 98 Resp: 1213564
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2





#60

Dibromochloromethane

Concen: 2.345 ug/l

RT: 9.70 min Scan# 1402

Delta R.T. 0.12 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

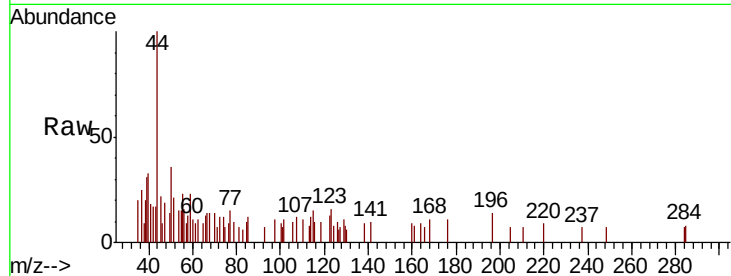
SA.PZ134I-20181208

Tot Ion:129 Resp: 152

Ion Ratio Lower Upper

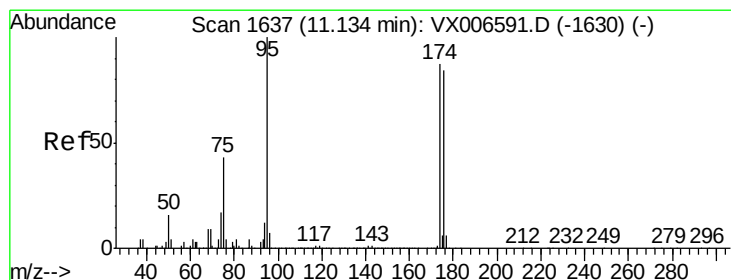
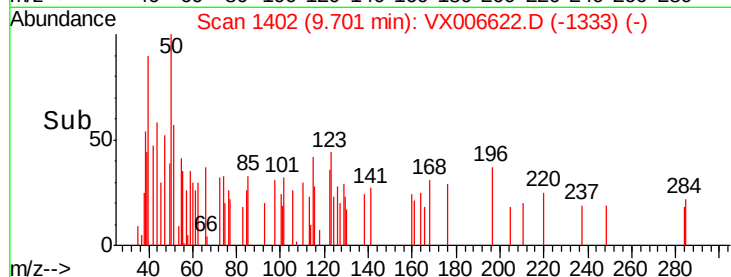
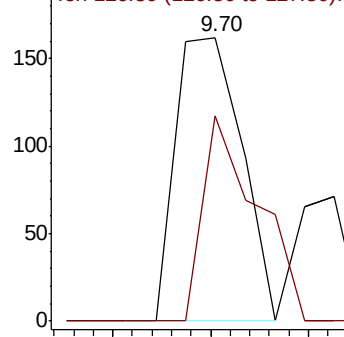
129 100

127 59.2 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 50.575 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

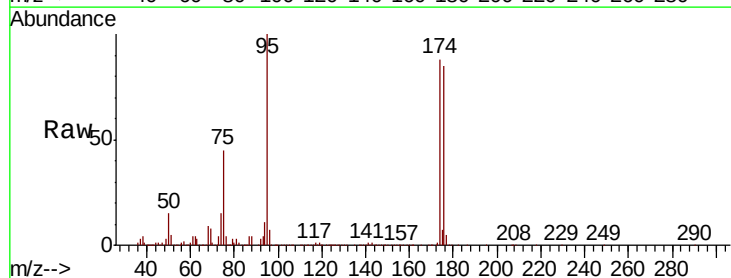
Tgt Ion: 95 Resp: 447567

Ion Ratio Lower Upper

95 100

174 83.8 0.0 187.0

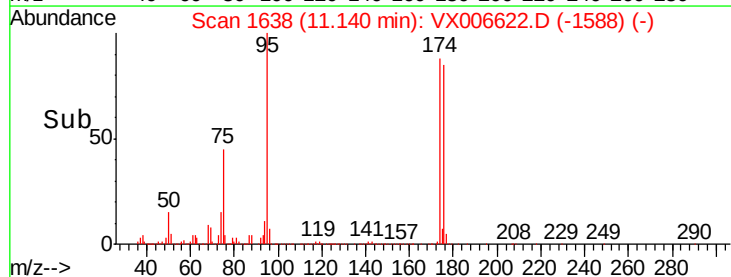
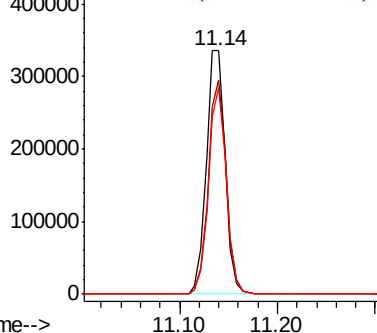
176 80.2 0.0 181.8

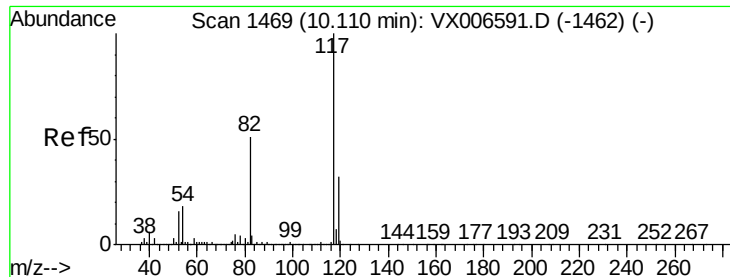


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

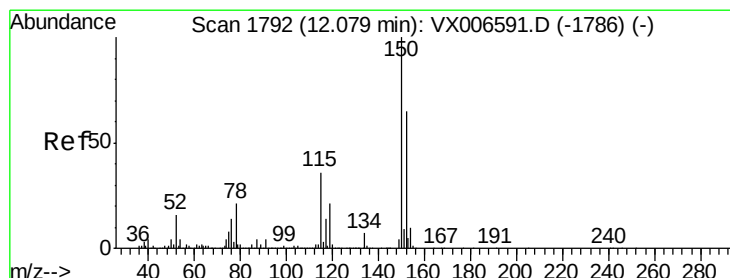
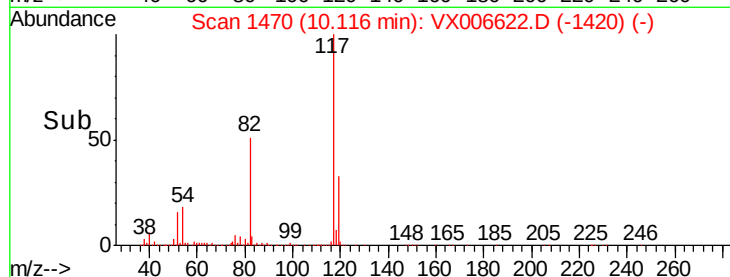
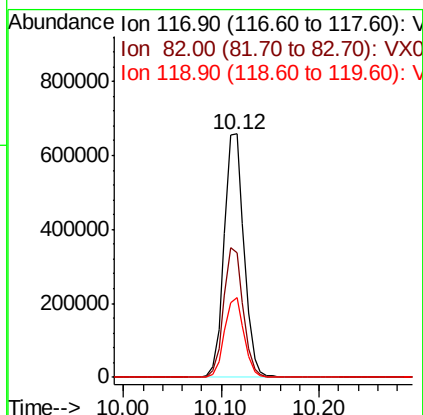
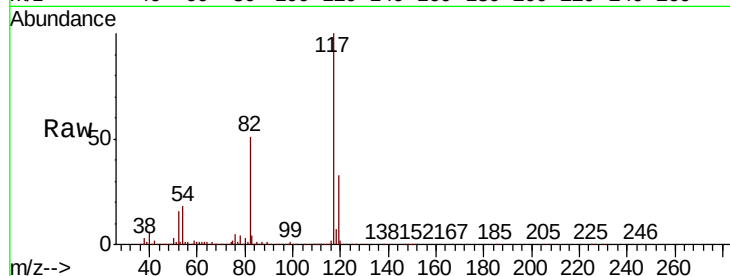




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

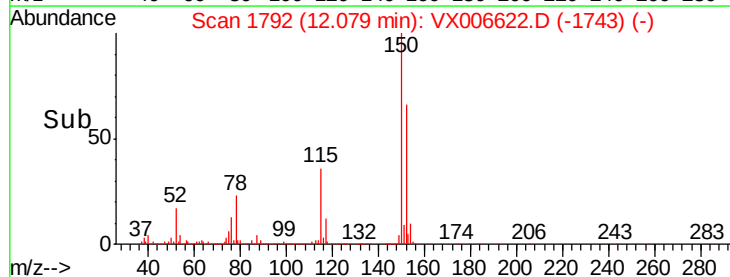
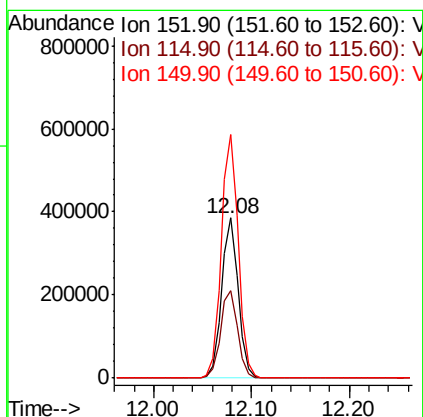
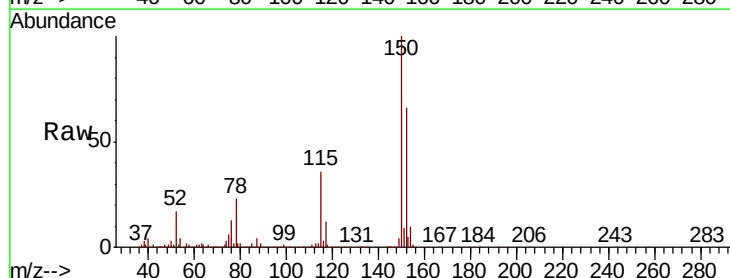
Instrument :
MSVOA_X
ClientSampleId :
SA.PZ134I-20181208

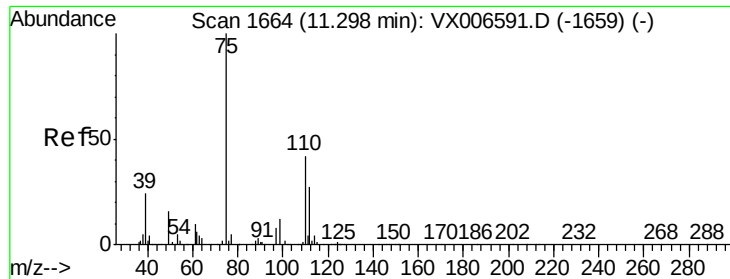
Tot Ion:117 Resp: 930780
Ion Ratio Lower Upper
117 100
82 51.2 39.6 59.4
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006622.D
Acq: 19 Dec 2018 02:58

Tgt Ion:152 Resp: 450512
Ion Ratio Lower Upper
152 100
115 56.6 39.0 116.9
150 155.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 26.074 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

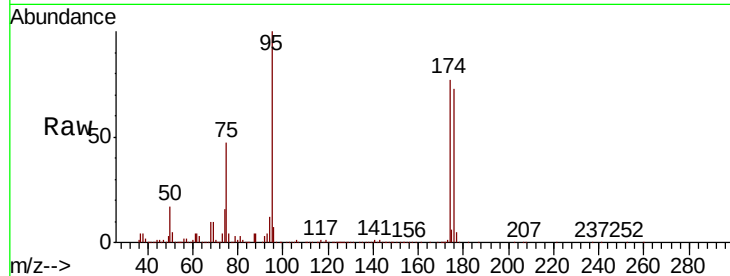
SA.PZ134I-20181208

Tot Ion: 75 Resp: 205876

Ion Ratio Lower Upper

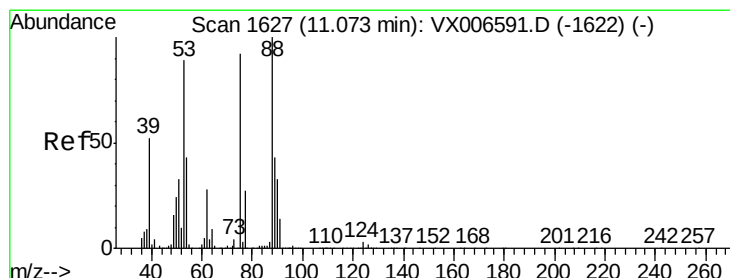
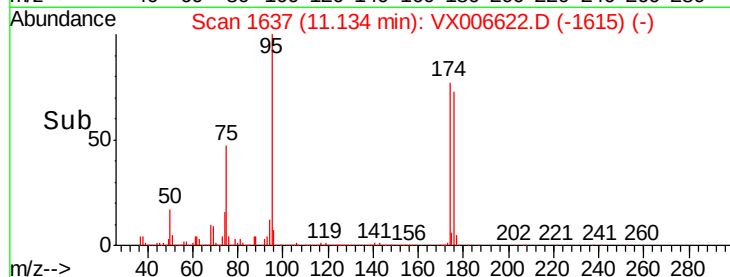
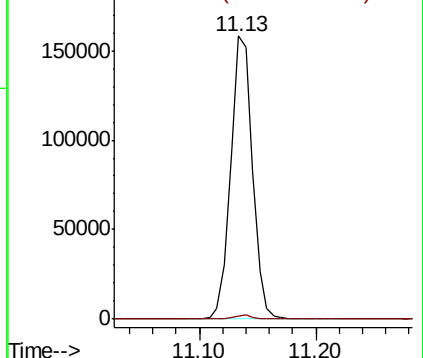
75 100

77 1.5 19.9 59.7#



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: 72.732 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

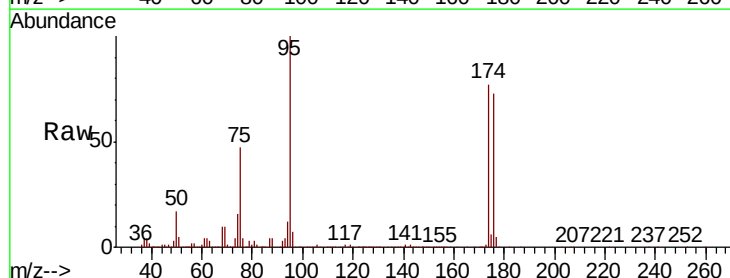
Tgt Ion: 75 Resp: 205876

Ion Ratio Lower Upper

75 100

53 0.2 64.4 96.6#

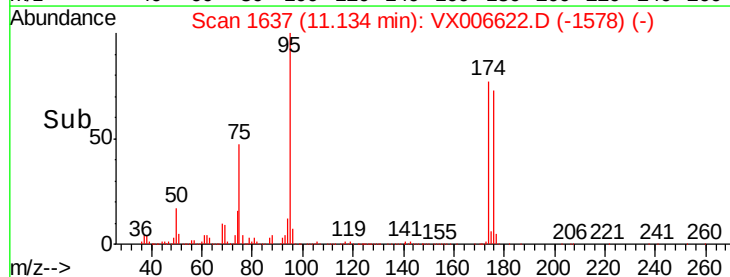
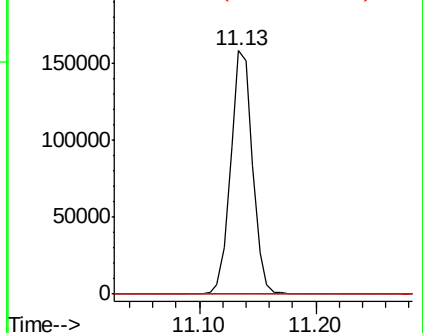
89 0.1 44.2 66.4#

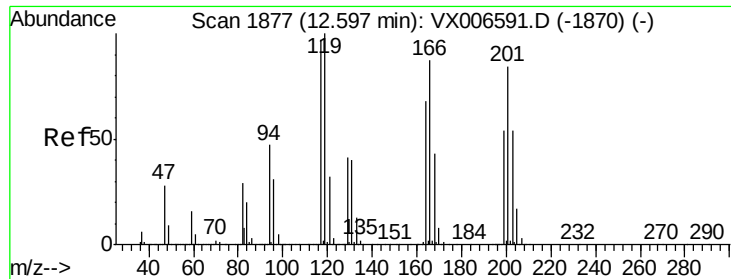


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 3.305 ug/l

RT: 12.54 min Scan# 1867

Delta R.T. -0.06 min

Lab File: VX006622.D

Acq: 19 Dec 2018 02:58

Instrument :

MSVOA_X

ClientSampleId :

SA.PZ134I-20181208

Tot Ion:117 Resp: 56

Ion Ratio Lower Upper

117 100

201 51.8 44.7 134.1

