

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008886.D
 Acq On : 12 Apr 2019 15:07
 Operator : JC/SP
 Sample : K2366-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ125-20190409

Quant Time: Apr 13 04:58:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	324515	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121630	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	132741	45.42	ug/l	0.00
Spiked Amount			Recovery	=	90.84%	
35) Dibromofluoromethane	5.50	113	96898	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	8.71	98	407891	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	137148	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

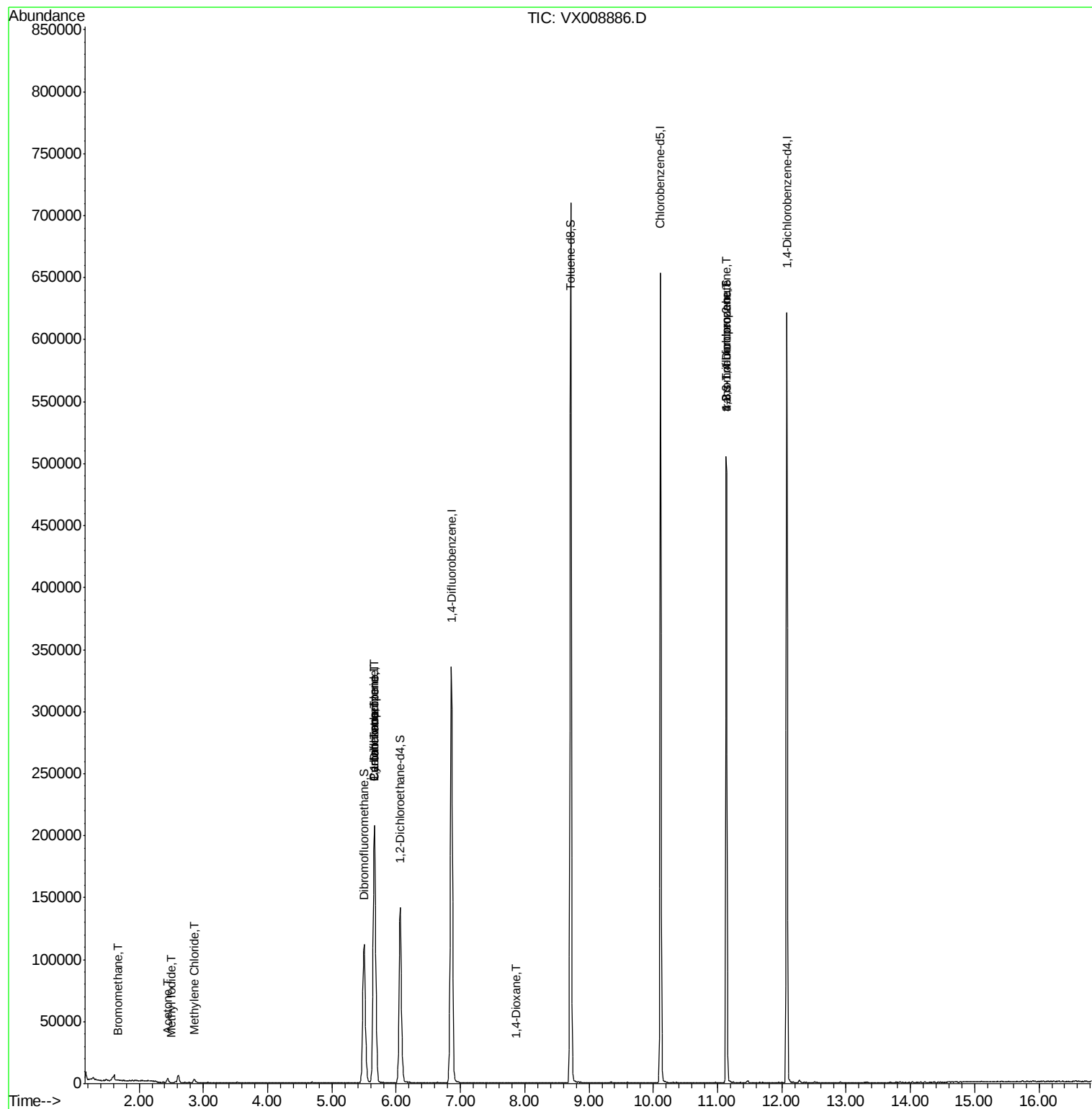
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	429	Below Cal	#	88
5) Bromomethane	1.67	94	293	2.069	ug/l #	3
6) Chloroethane	1.71	64	41	Below Cal	#	43
10) Methyl Iodide	2.51	142	21	4.013	ug/l #	42
16) Acetone	2.45	43	3999	2.376	ug/l	93
17) Carbon Disulfide	2.57	76	428	Below Cal	#	40
20) Methylene Chloride	2.86	84	1192	0.423	ug/l #	82
28) Bromochloromethane	5.08	49	20	Below Cal	#	22
31) Cyclohexane	5.67	56	4638	0.919	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16157	4.555	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19052	6.489	ug/l #	18
49) 1,4-Dioxane	7.87	88	21	0.299	ug/l #	2
76) 1,2,3-Trichloropropane	11.13	75	69477	20.793	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69477	57.318	ug/l #	9

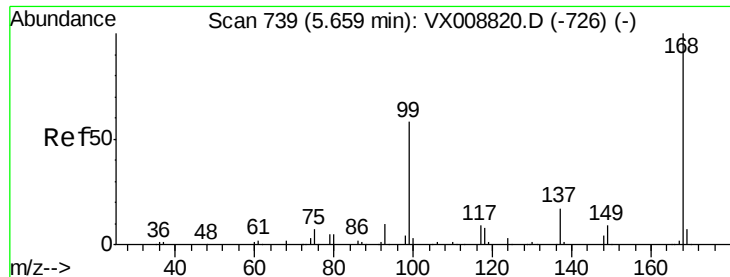
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008886.D

Acq: 12 Apr 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

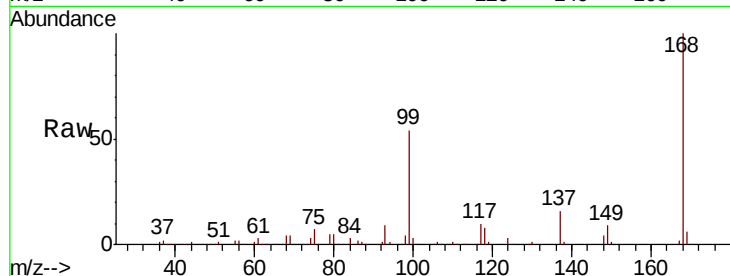
SA-PZ125-20190409

Tot Ion:168 Resp: 200371

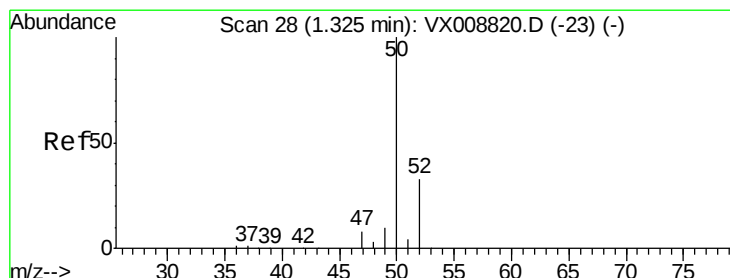
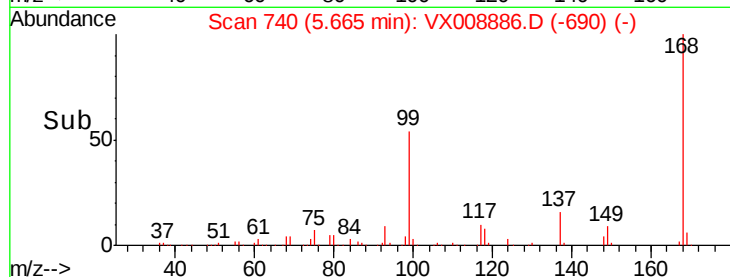
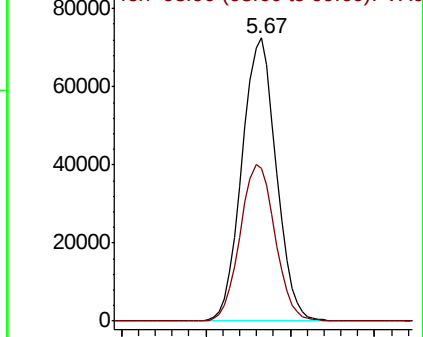
Ion Ratio Lower Upper

168 100

99 53.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VX008820.D (-726) (-)



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008886.D

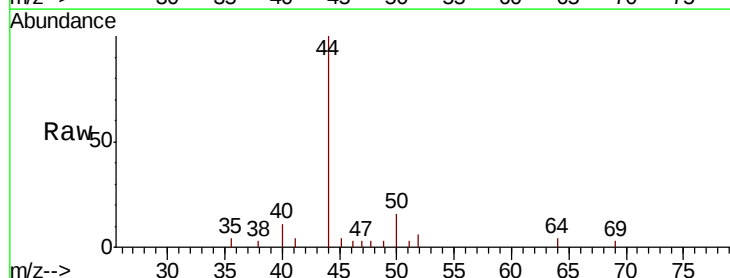
Acq: 12 Apr 2019 15:07

Tgt Ion: 50 Resp: 429

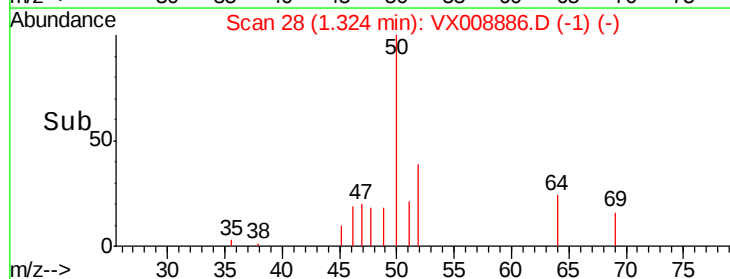
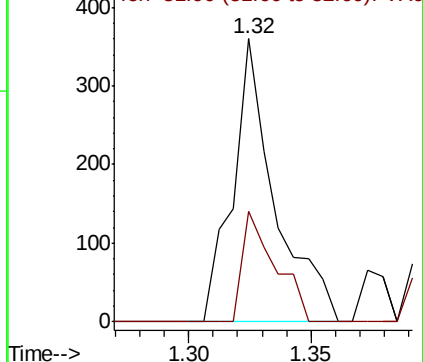
Ion Ratio Lower Upper

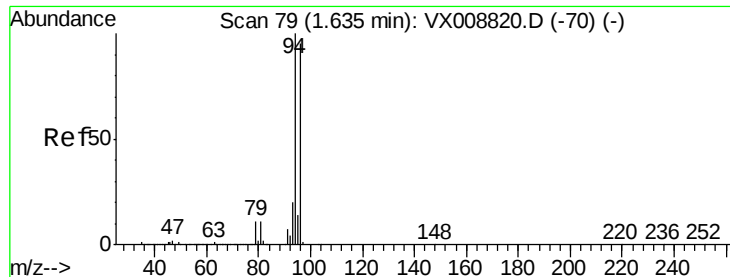
50 100

52 39.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX008820.D (-23) (-)





#5

Bromomethane

Concen: 2.069 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX008886.D

Acq: 12 Apr 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

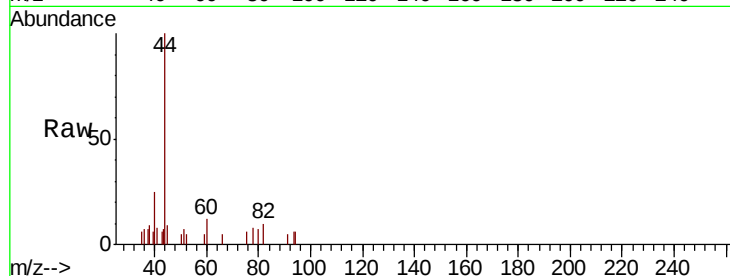
SA-PZ125-20190409

Tot Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150

100

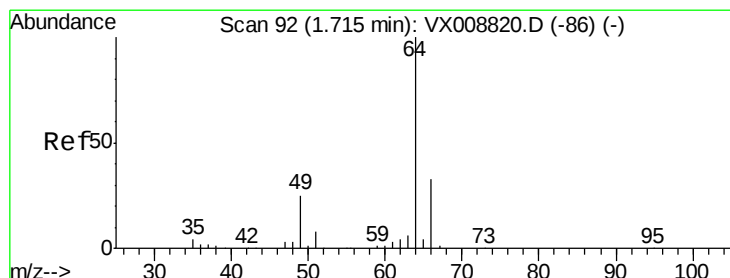
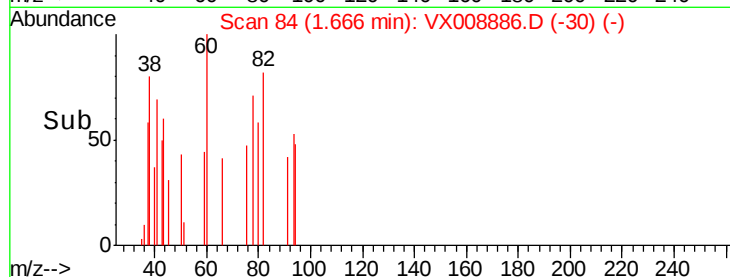
50

0

1.60 1.65 1.70

1.67

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008886.D

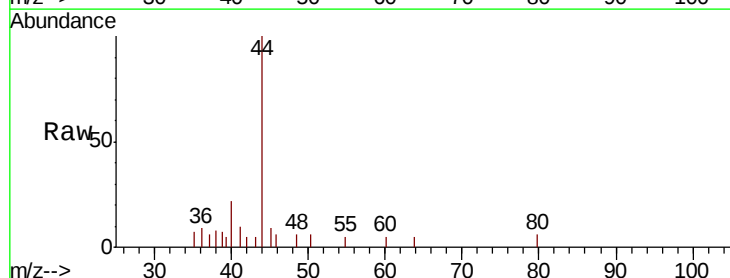
Acq: 12 Apr 2019 15:07

Tgt Ion: 64 Resp: 41

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

60

40

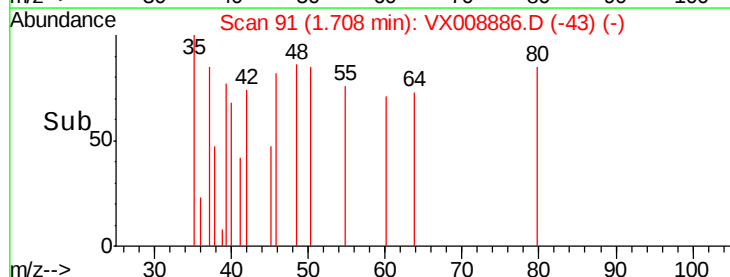
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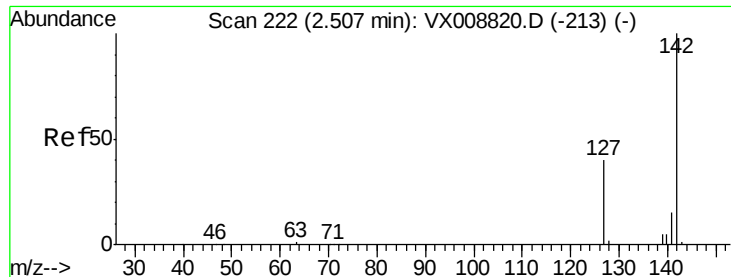
0

1.69 1.70 1.71 1.72

1.71

Time-->

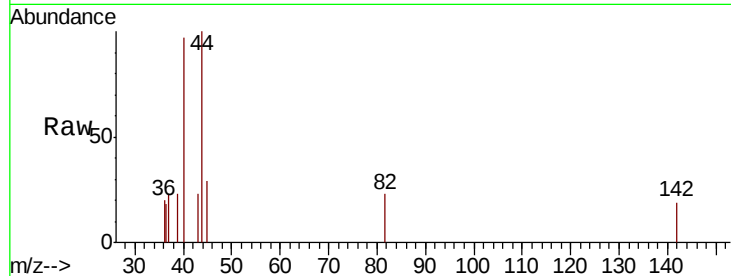




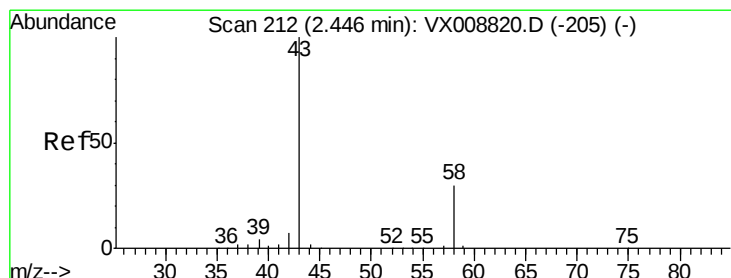
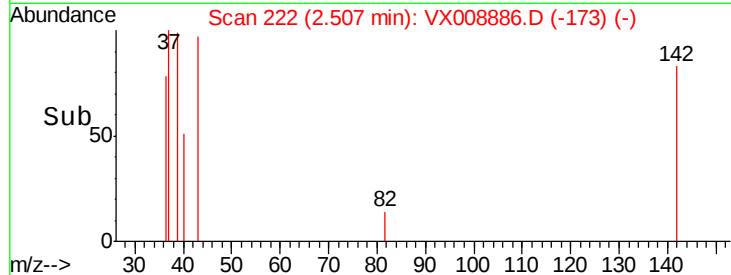
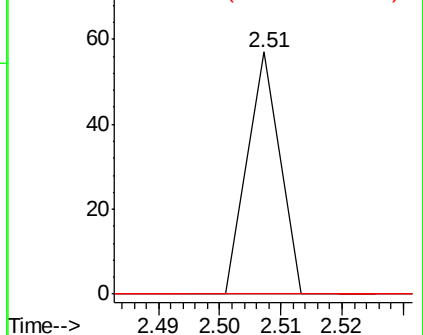
#10
Methvl Iodide
Concen: 4.013 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190409

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

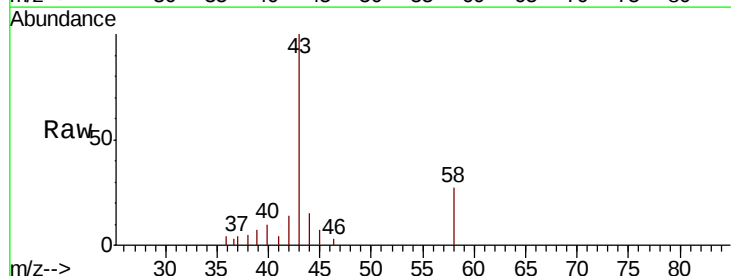


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

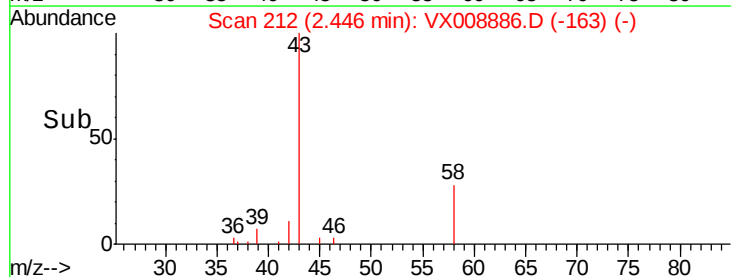
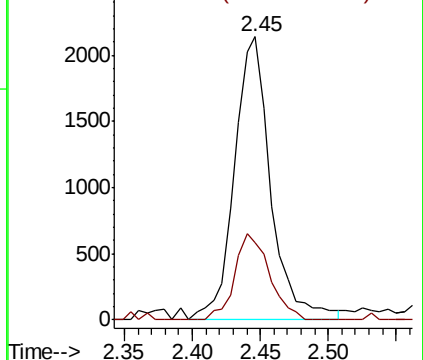


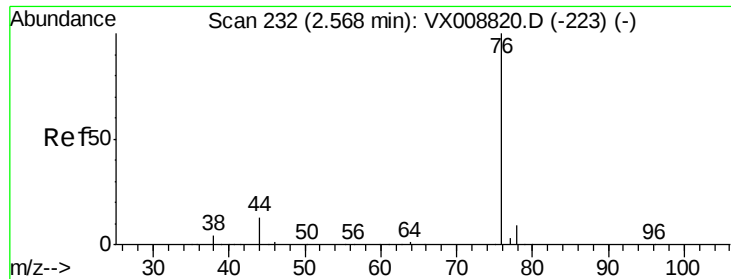
#16
Acetone
Concen: 2.376 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
58 27.4 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

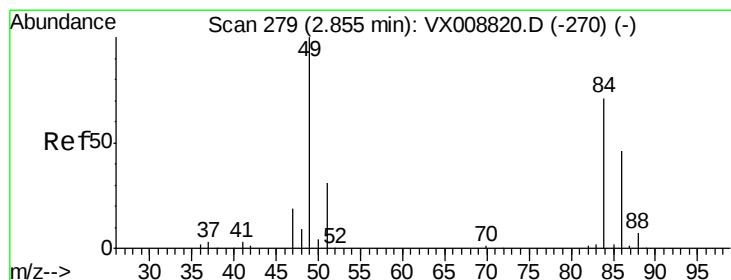
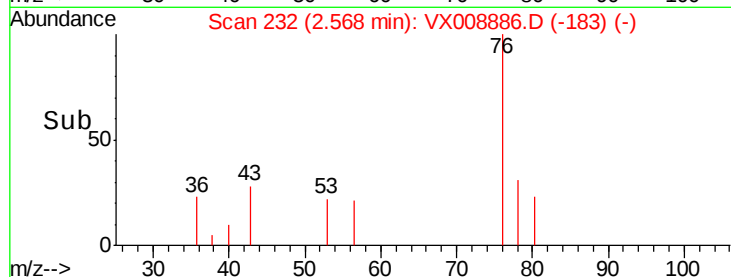
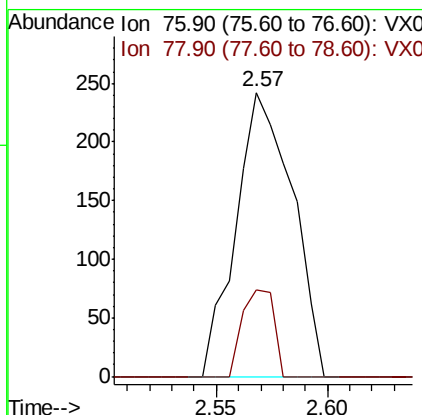
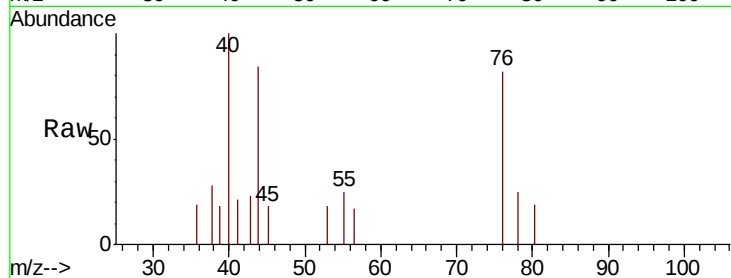




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

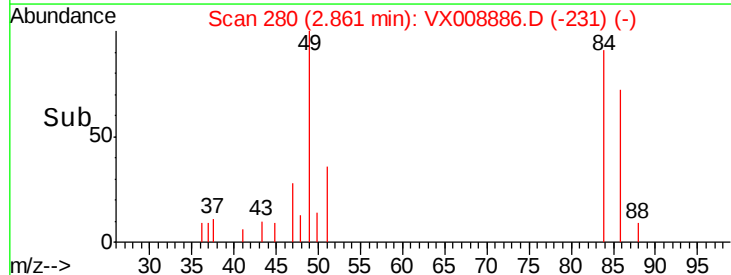
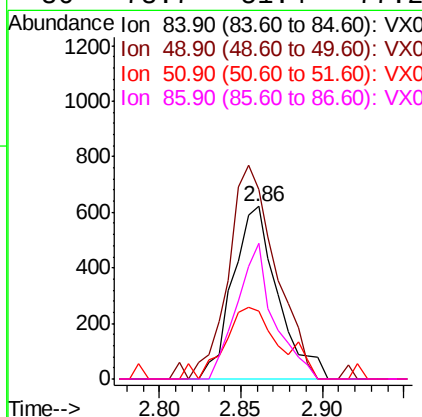
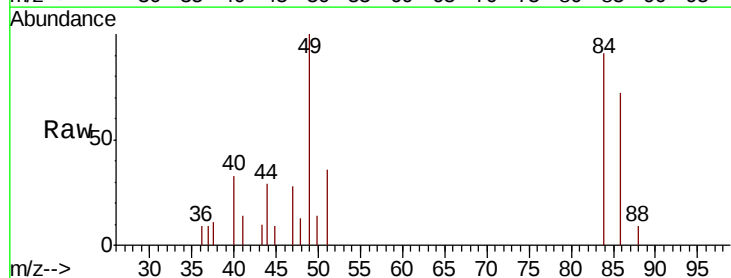
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190409

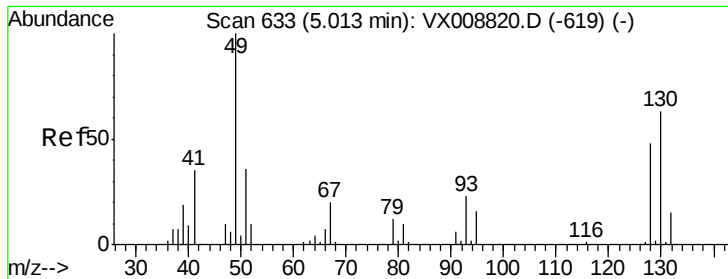
Tot Ion: 76 Resp: 428
Ion Ratio Lower Upper
76 100
78 30.6 7.1 10.7#



#20
Methylene Chloride
Concen: 0.423 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Tgt Ion: 84 Resp: 1192
Ion Ratio Lower Upper
84 100
49 109.7 109.7 164.5#
51 39.3 33.6 50.4
86 78.7 51.4 77.2#

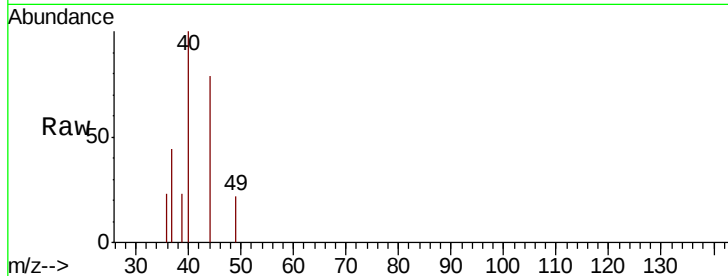




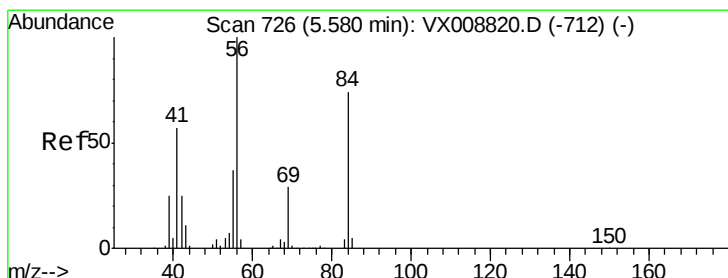
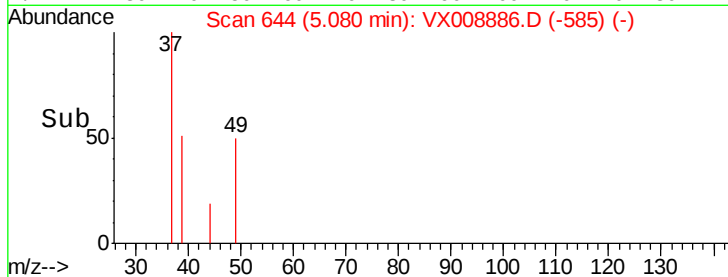
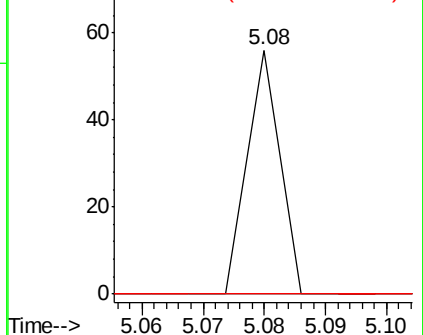
#28
Bromochloromethane
Concen: Below Cal
RT: 5.08 min Scan# 644
Delta R.T. 0.06 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190409

Tot Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

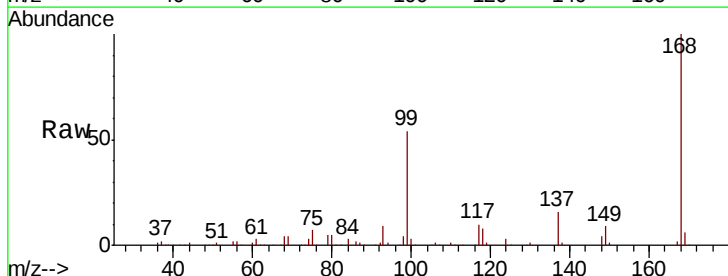


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

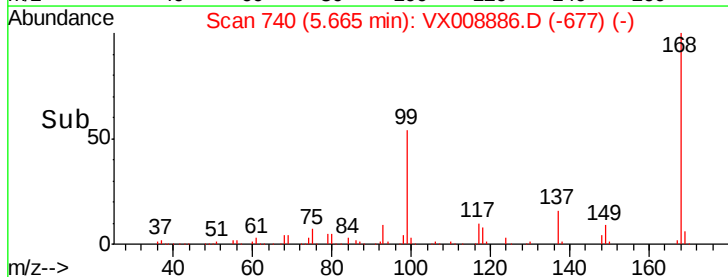
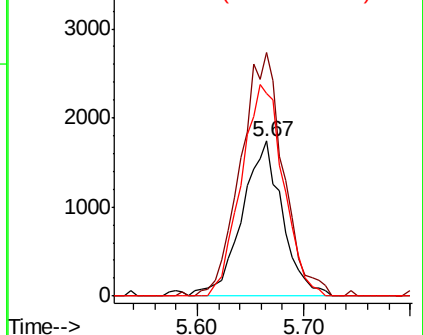


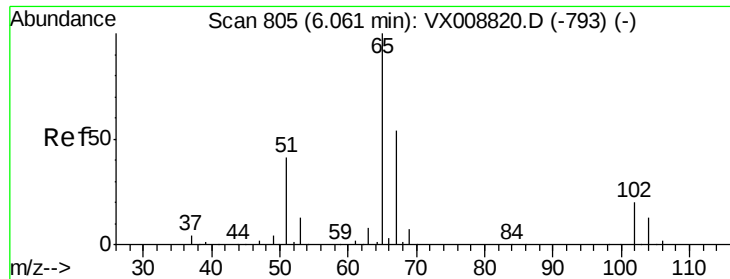
#31
Cyclohexane
Concen: 0.919 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Tgt Ion: 56 Resp: 4638
Ion Ratio Lower Upper
56 100
69 157.2 22.6 33.8#
84 130.6 59.3 88.9#



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

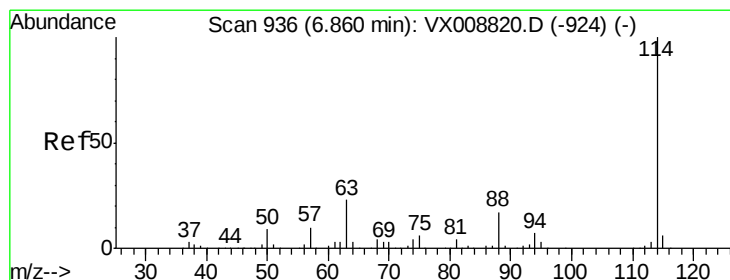
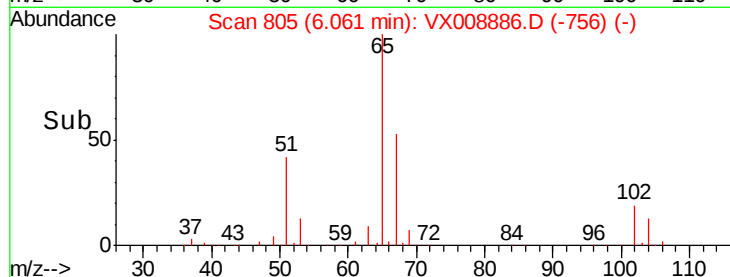
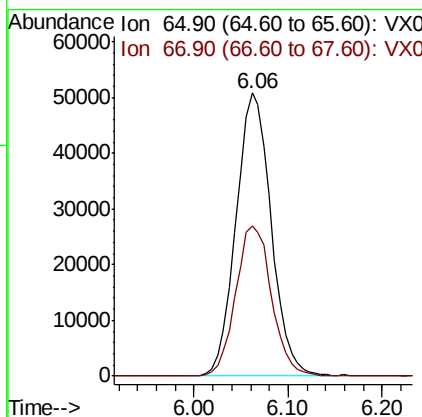
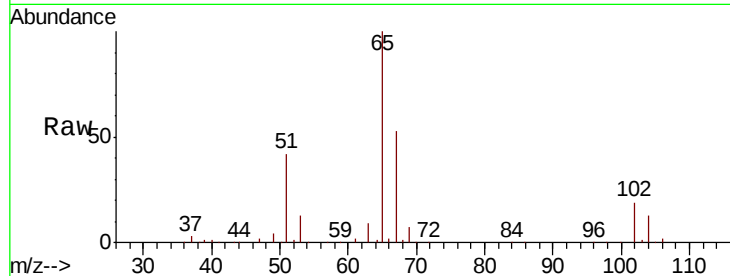




#33
 1,2-Dichloroethane-d4
 Concen: 45.420 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

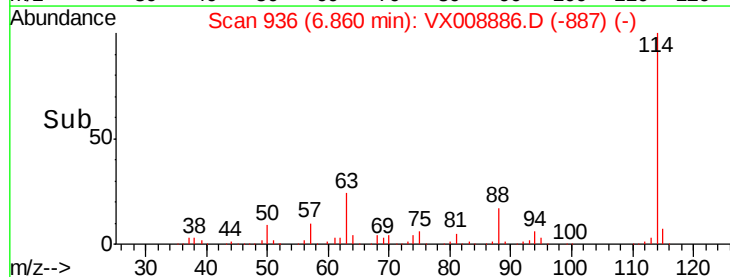
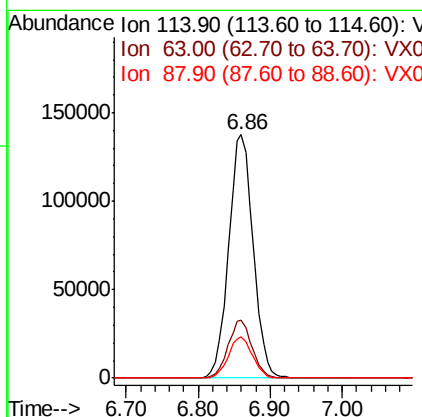
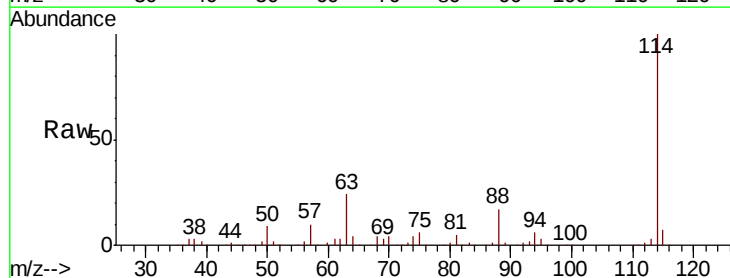
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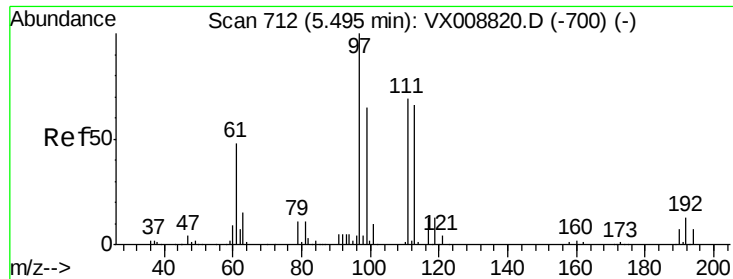
Tot Ion: 65 Resp: 132741
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

Tgt Ion: 114 Resp: 324515
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 16.8 0.0 34.0

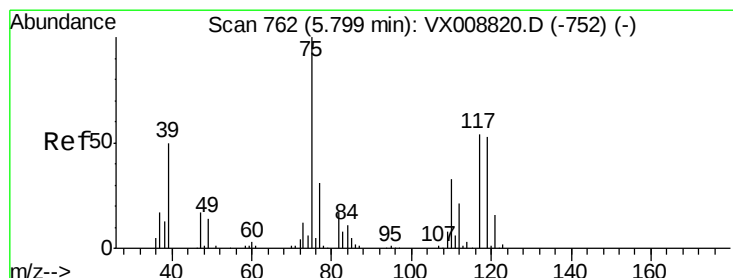
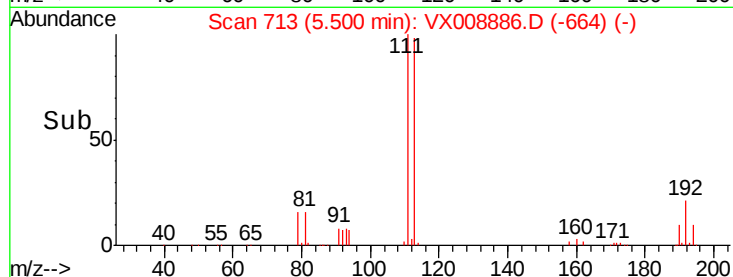
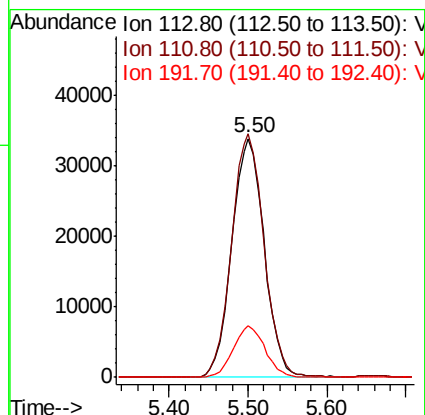
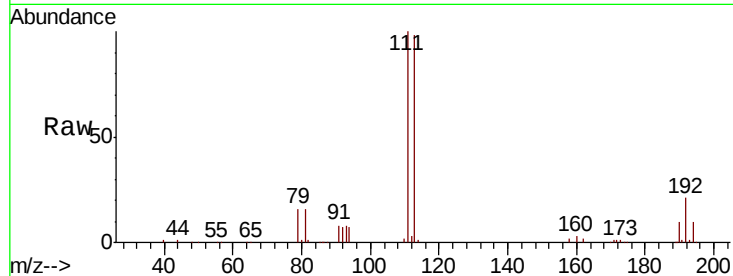




#35
 Dibromofluoromethane
 Concen: 46.702 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

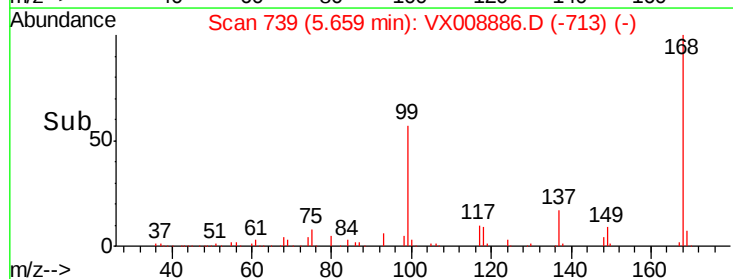
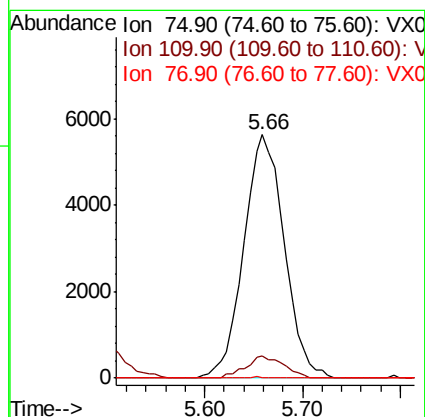
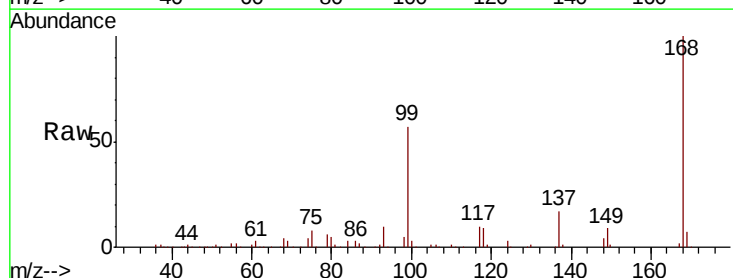
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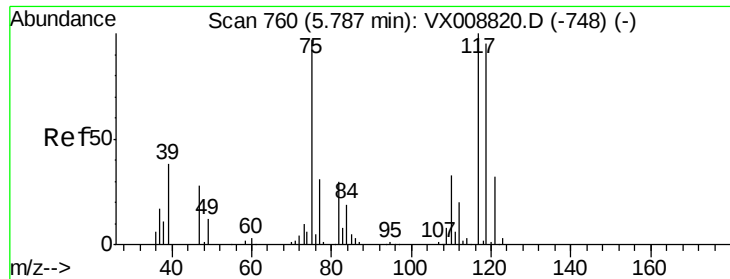
Tot Ion:113 Resp: 96898
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.2
 192 21.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.555 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

Tgt Ion: 75 Resp: 16157
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.2#
 77 0.1 24.7 37.1#

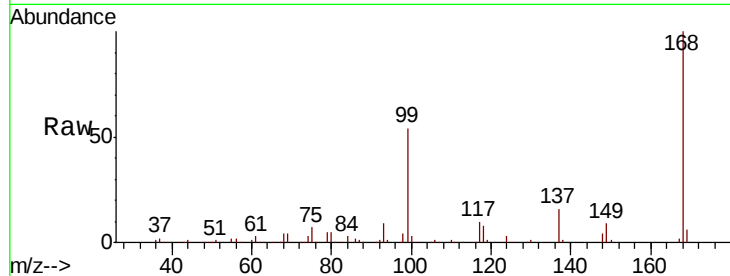




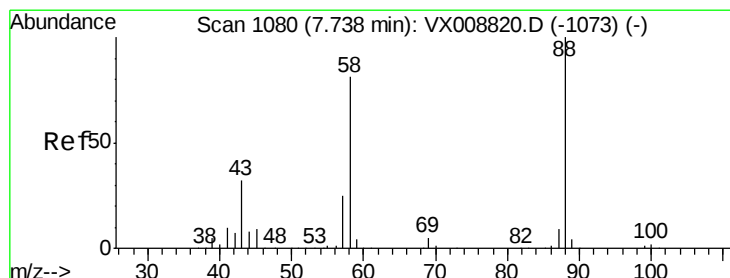
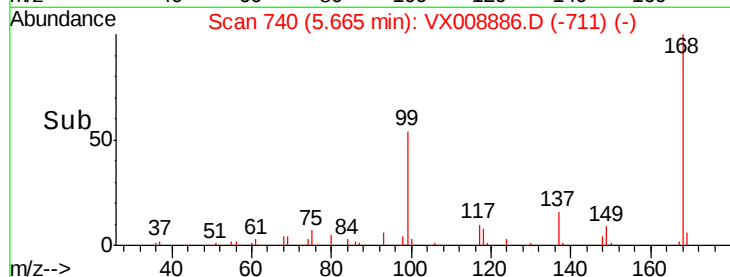
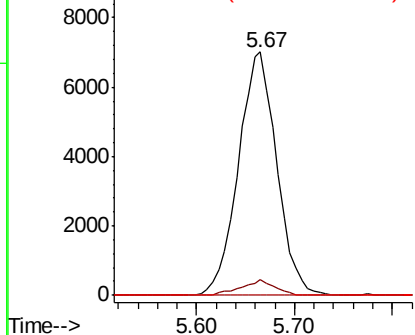
#38
Carbon Tetrachloride
Concen: 6.489 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190409

Tot Ion:117 Resp: 19052
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.3 36.5#

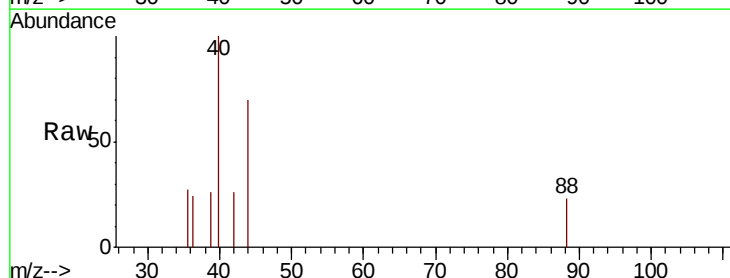


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

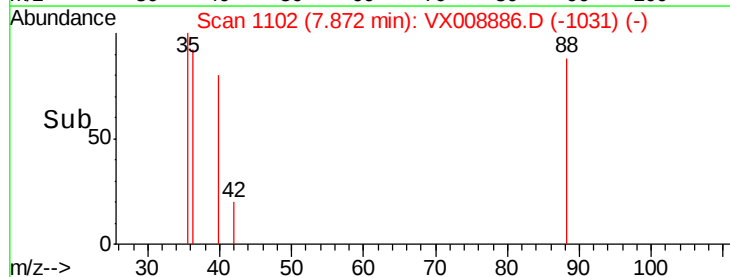
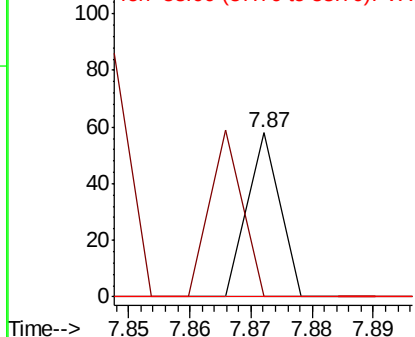


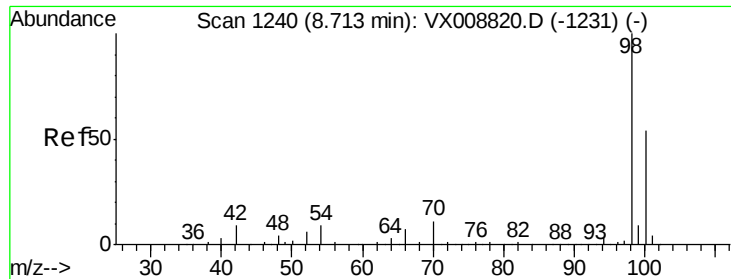
#49
1,4-Dioxane
Concen: 0.299 ug/l
RT: 7.87 min Scan# 1102
Delta R.T. 0.13 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 104.8 28.6 43.0#
58 0.0 62.2 93.2#



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: 49.373 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008886.D

Acq: 12 Apr 2019 15:07

Instrument :

MSVOA_X

ClientSampleId :

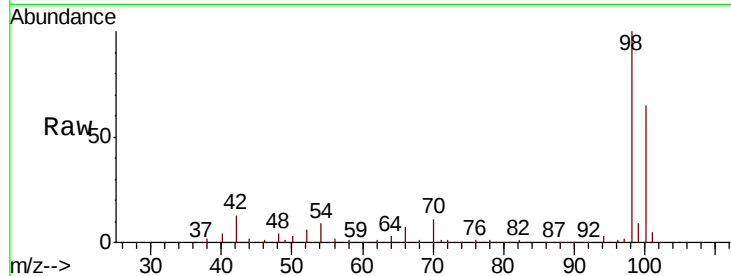
SA-PZ125-20190409

Tot Ion: 98 Resp: 407891

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

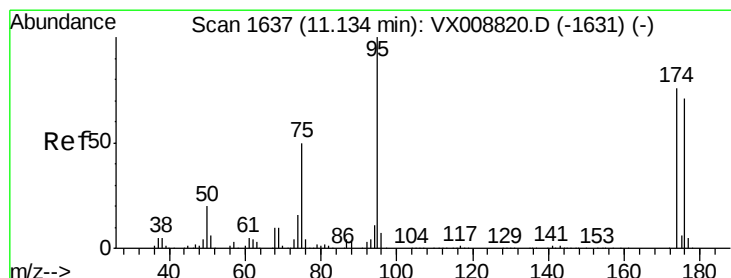
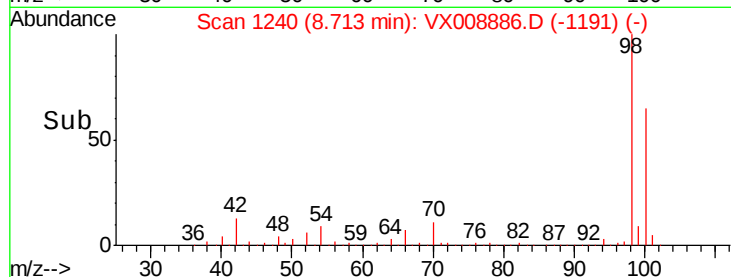
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 46.814 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008886.D

Acq: 12 Apr 2019 15:07

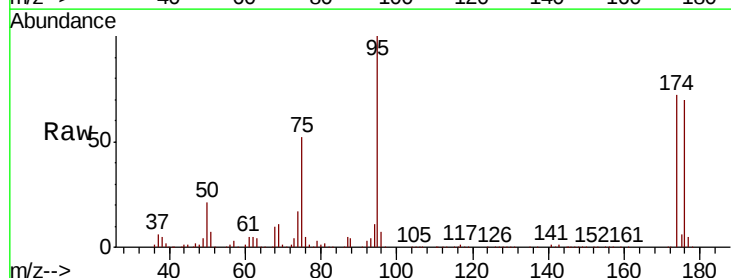
Tgt Ion: 95 Resp: 137148

Ion Ratio Lower Upper

95 100

174 78.2 0.0 151.8

176 76.8 0.0 145.8



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

11.13

150000

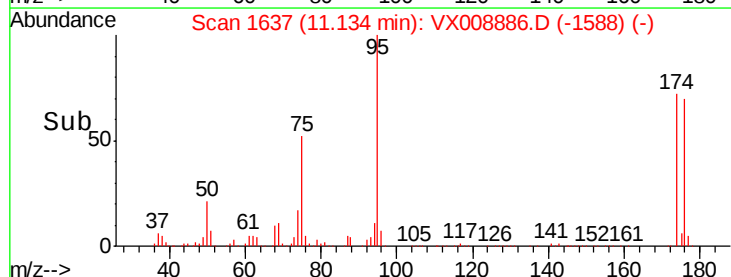
100000

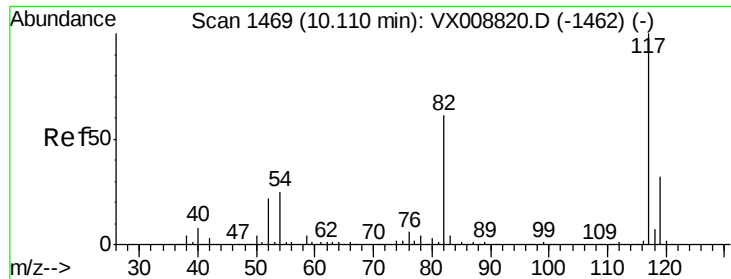
50000

0

Time-->

11.10 11.20

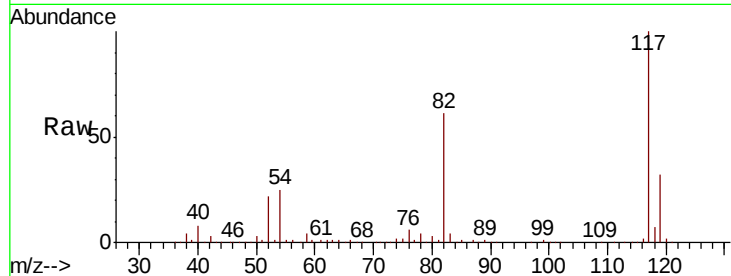




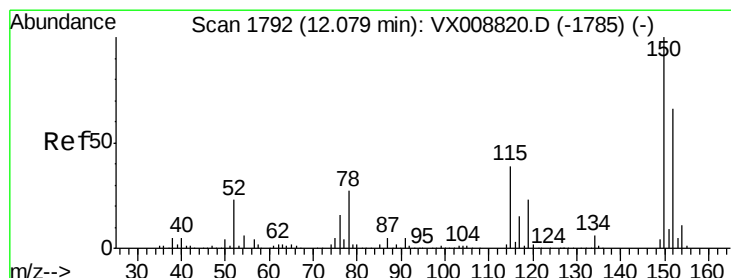
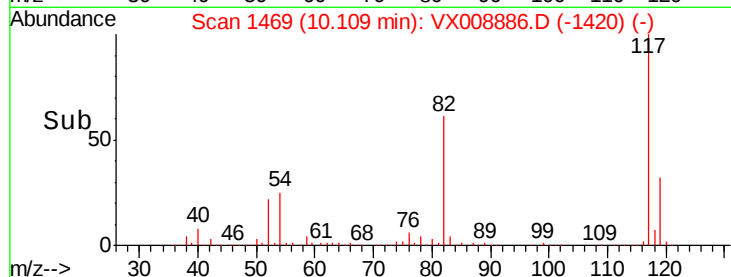
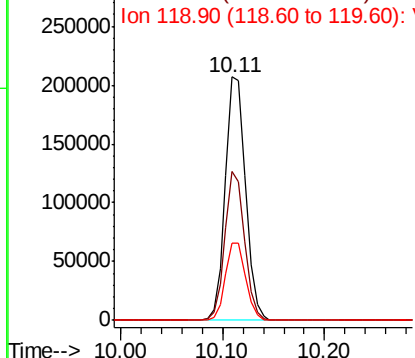
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ125-20190409

Tot Ion:117 Resp: 285108
Ion Ratio Lower Upper
117 100
82 61.3 49.6 74.4
119 31.8 25.0 37.4

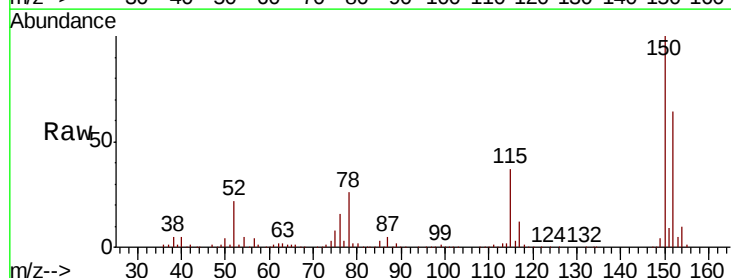


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

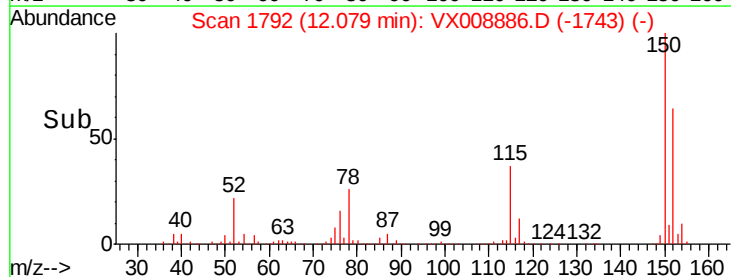
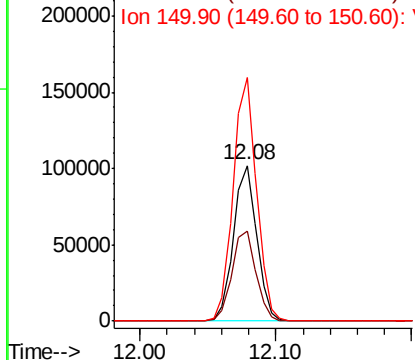


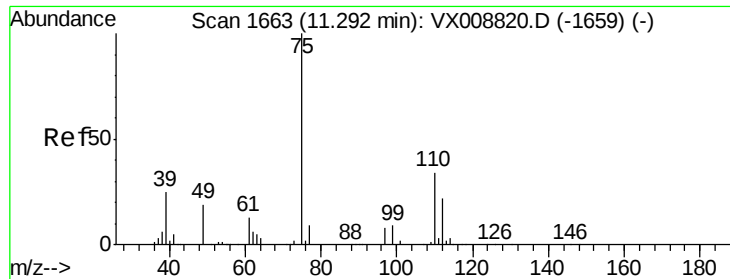
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008886.D
Acq: 12 Apr 2019 15:07

Tgt Ion:152 Resp: 121630
Ion Ratio Lower Upper
152 100
115 59.8 43.5 130.5
150 156.7 0.0 348.8



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

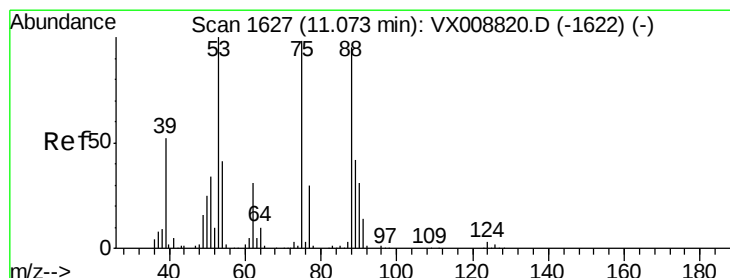
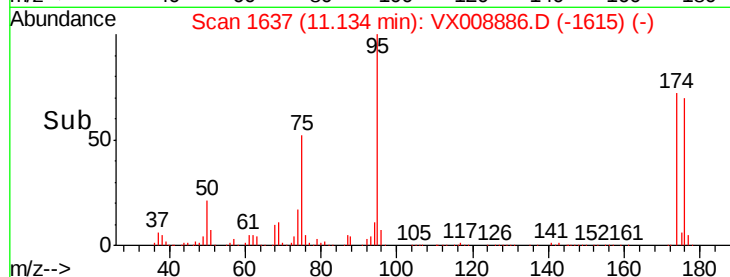
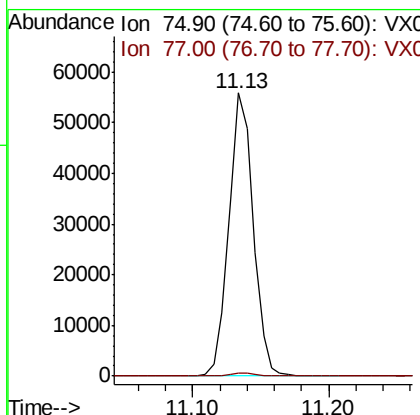
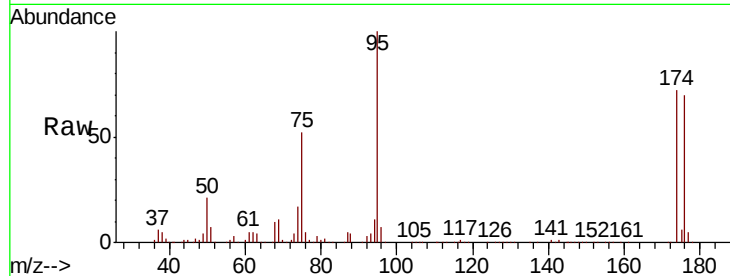




#76
 1,2,3-Trichloropropane
 Concen: 20.793 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ125-20190409

Tot Ion: 75 Resp: 69477
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.318 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008886.D
 Acq: 12 Apr 2019 15:07

Tgt Ion: 75 Resp: 69477
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

