

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008891.D
 Acq On : 12 Apr 2019 17:04
 Operator : JC/SP
 Sample : K2366-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ147-20190409

Quant Time: Apr 13 04:59:46 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	192800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	316350	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116661	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	128167	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
35) Dibromofluoromethane	5.50	113	94278	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	392102	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.13	95	131113	45.91	ug/l	0.00
Spiked Amount			Recovery	=	91.82%	

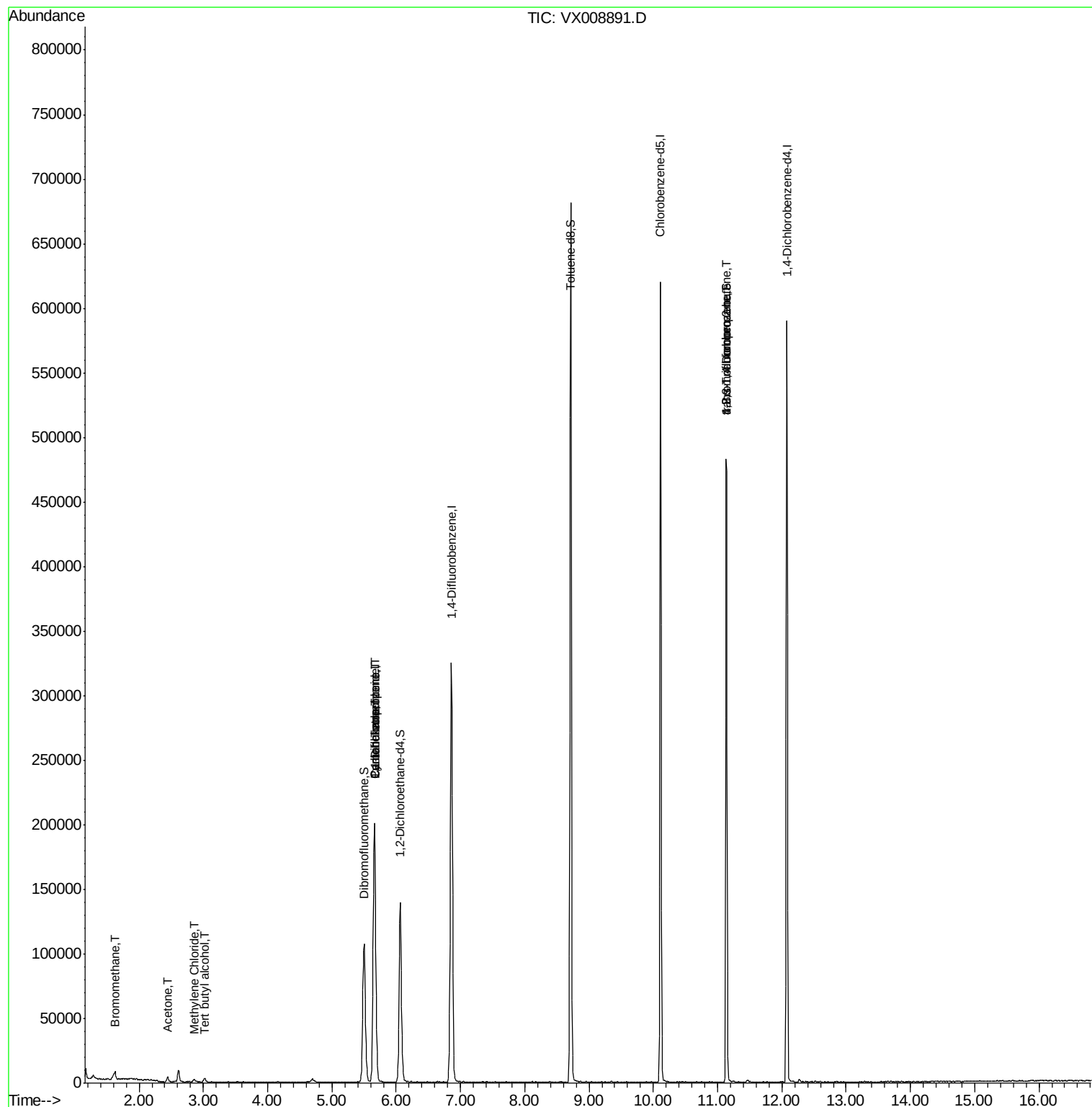
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	356	Below Cal	#	69
5) Bromomethane	1.63	94	373	2.128	ug/l #	54
6) Chloroethane	1.67	64	168	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1921	2.918	ug/l #	75
16) Acetone	2.45	43	4521	2.791	ug/l	99
17) Carbon Disulfide	2.57	76	541	Below Cal	#	75
20) Methylene Chloride	2.86	84	992	0.366	ug/l #	86
28) Bromochloromethane	5.04	49	60	Below Cal	#	22
31) Cyclohexane	5.67	56	4458	0.918	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15870	4.589	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18867	6.592	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	66892	20.873	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	66892	57.536	ug/l #	9

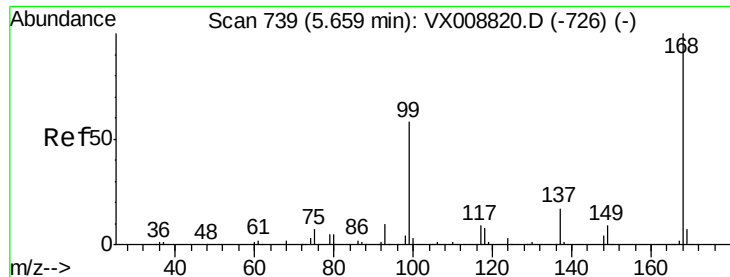
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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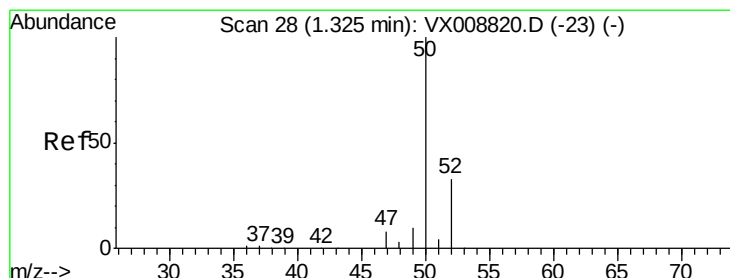
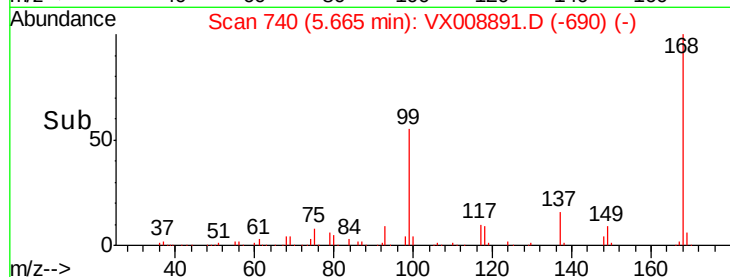
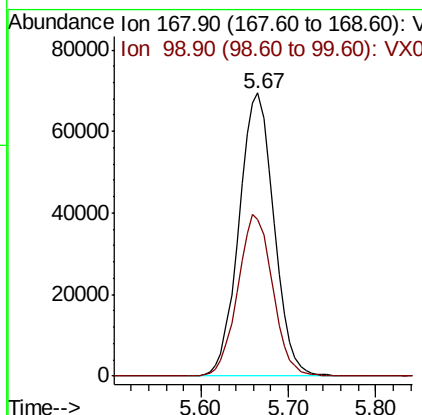
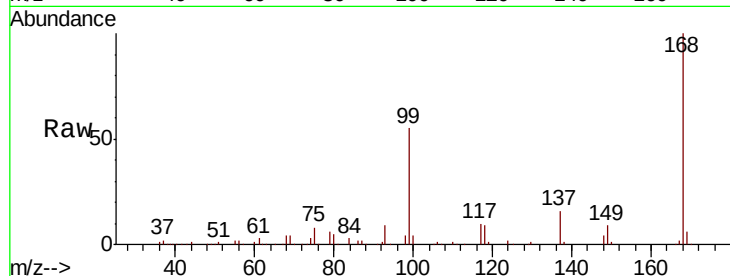




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

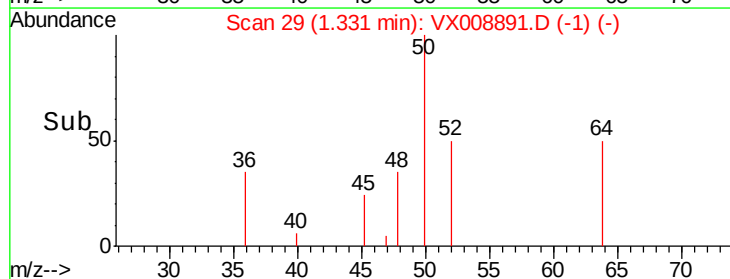
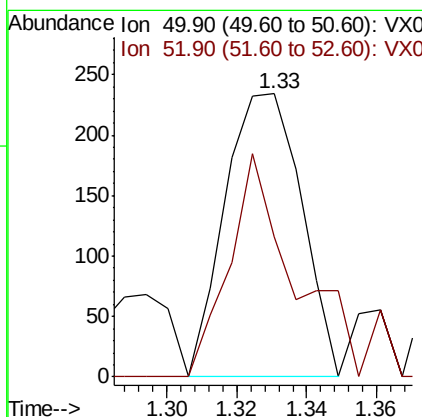
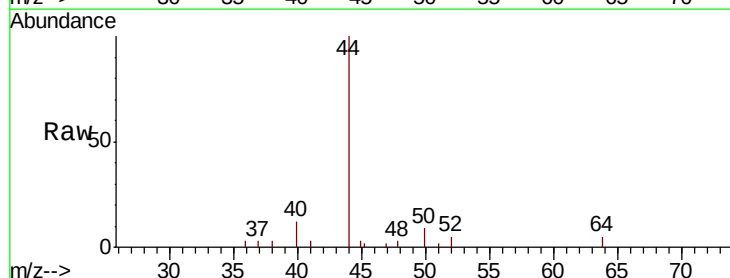
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190409

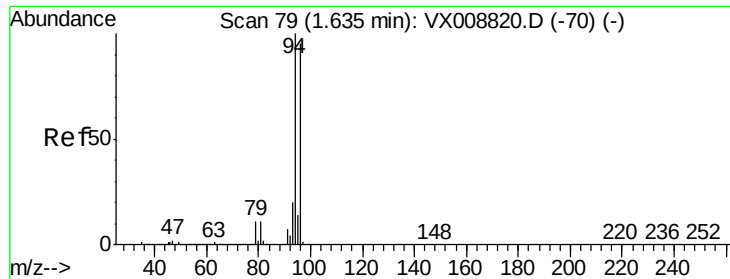
Tot Ion:168 Resp: 192800
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.33 min Scan# 29
Delta R.T. 0.01 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Tgt Ion: 50 Resp: 356
Ion Ratio Lower Upper
50 100
52 49.6 25.8 38.8#





#5

Bromomethane

Concen: 2.128 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

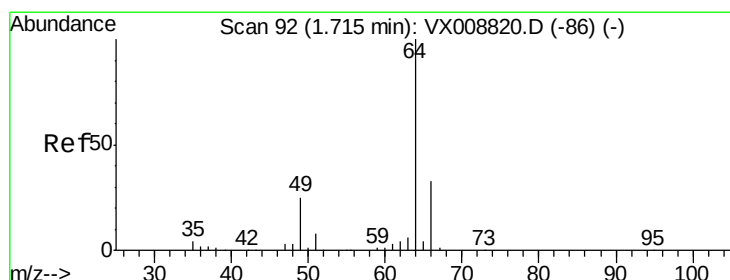
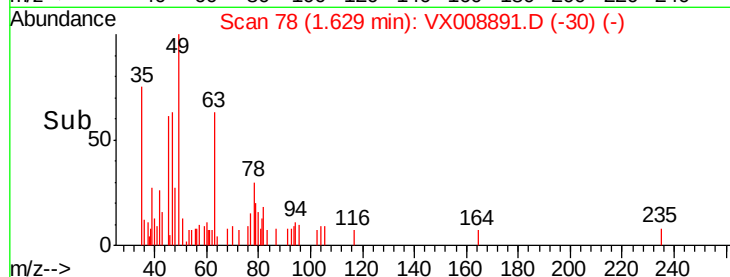
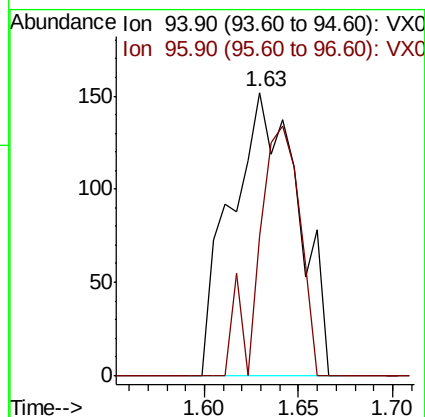
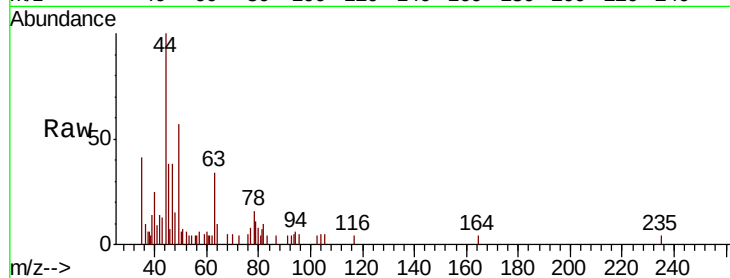
SA-PZ147-20190409

Tot Ion: 94 Resp: 373

Ion Ratio Lower Upper

94 100

96 49.3 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008891.D

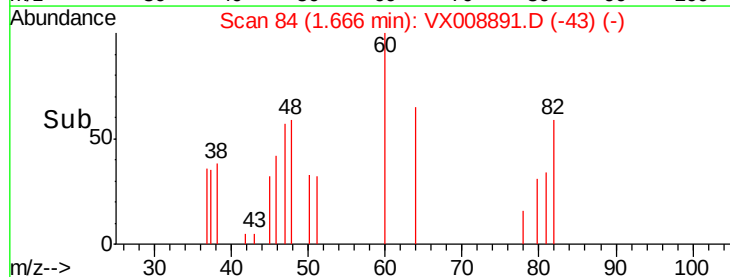
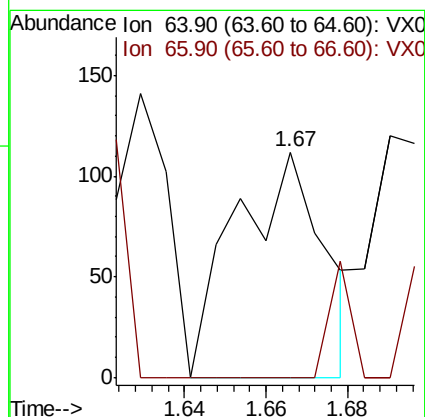
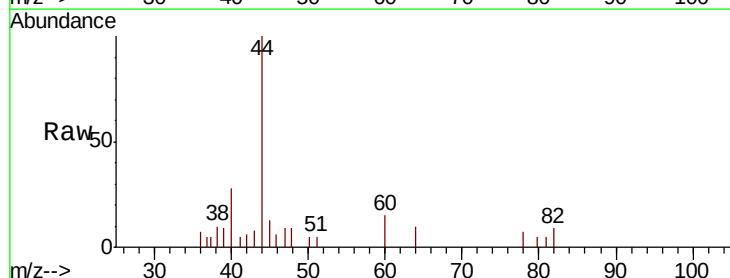
Acq: 12 Apr 2019 17:04

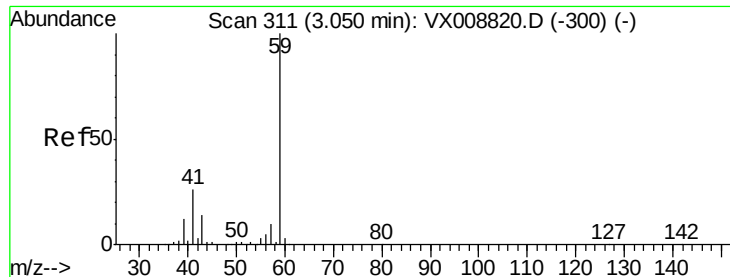
Tgt Ion: 64 Resp: 168

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

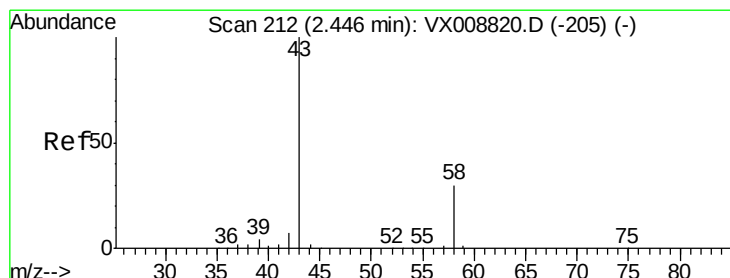
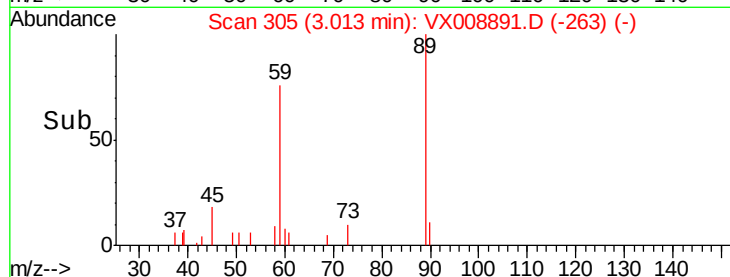
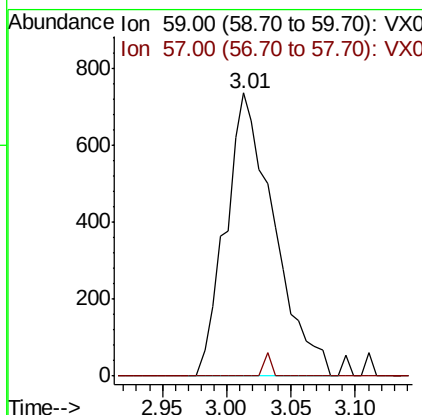
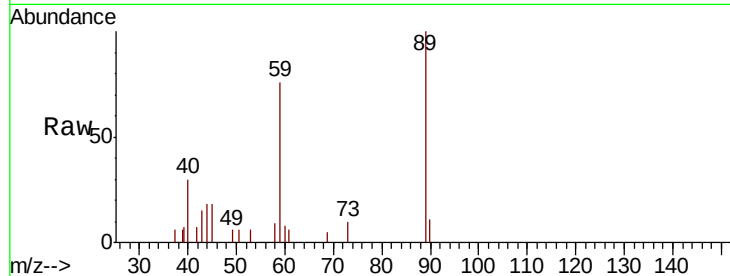




#11
Tert butyl alcohol
Concen: 2.918 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

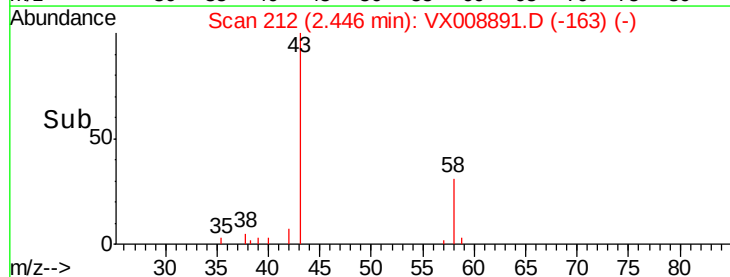
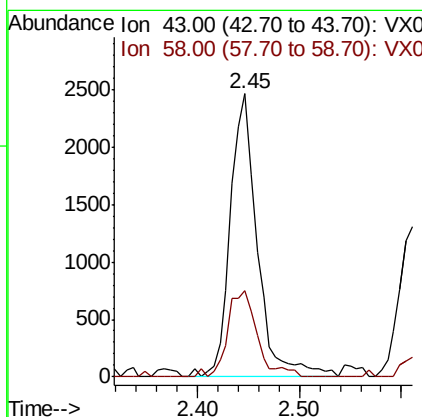
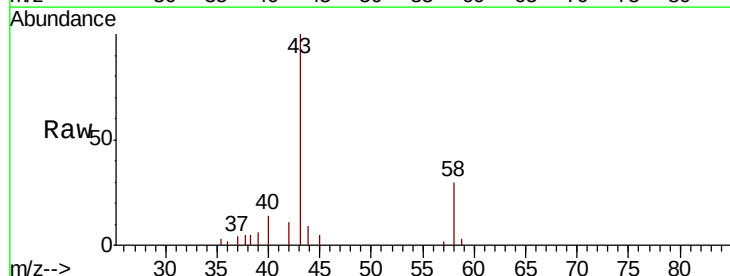
Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190409

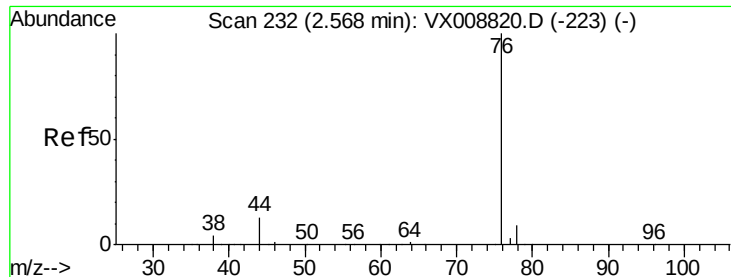
Tot Ion: 59 Resp: 1921
Ion Ratio Lower Upper
59 100
57 1.1 8.3 12.5#



#16
Acetone
Concen: 2.791 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Tgt Ion: 43 Resp: 4521
Ion Ratio Lower Upper
43 100
58 30.3 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

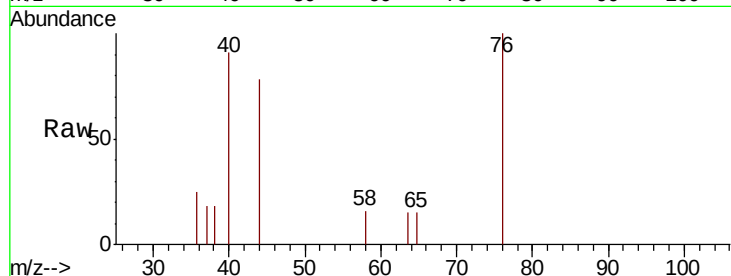
SA-PZ147-20190409

Tot Ion: 76 Resp: 541

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

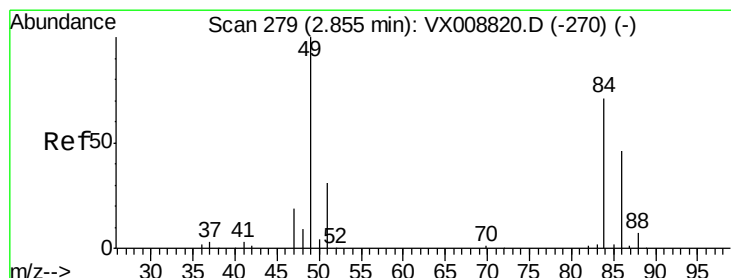
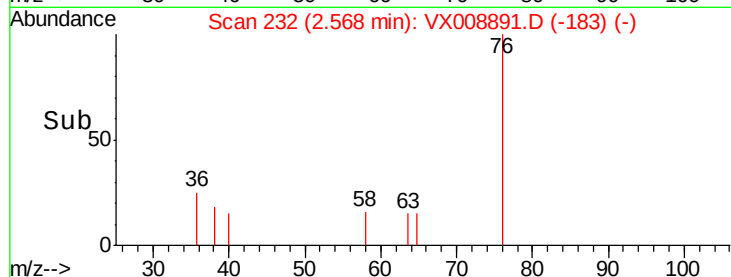
300

200

100

0

Time--> 2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.366 ug/l

RT: 2.86 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Tgt Ion: 84 Resp: 992

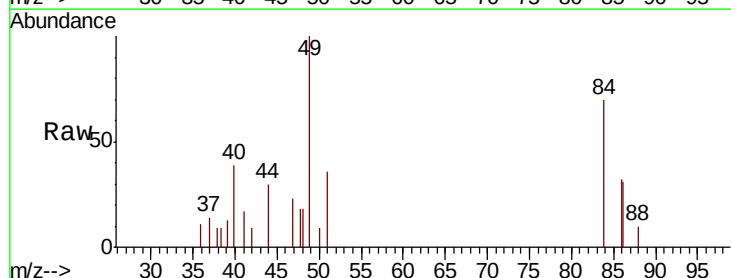
Ion Ratio Lower Upper

84 100

49 143.4 109.7 164.5

51 51.6 33.6 50.4#

86 89.7 51.4 77.2#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

1000

800

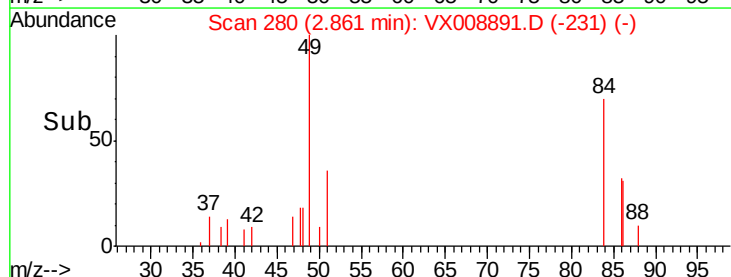
600

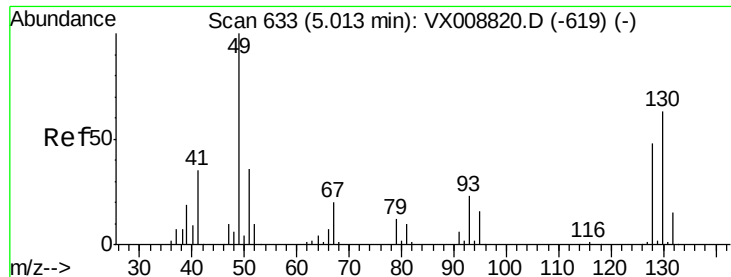
400

200

0

Time--> 2.80 2.85 2.90





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 638

Delta R.T. 0.02 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190409

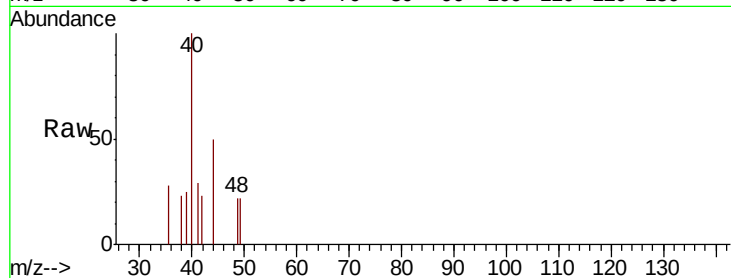
Tot Ion: 49 Resp: 60

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

150

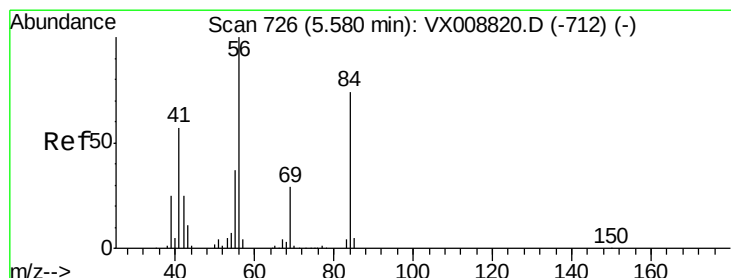
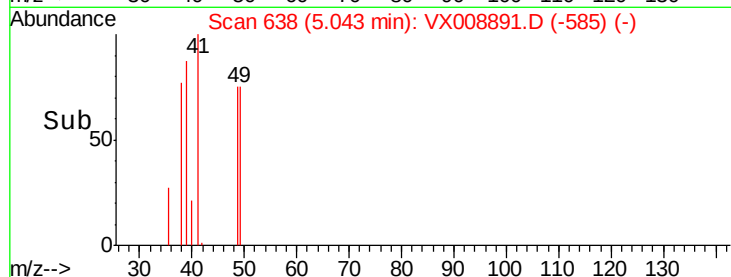
100

50

0

5.02 5.04 5.06

Time-->



#31

Cyclohexane

Concen: 0.918 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

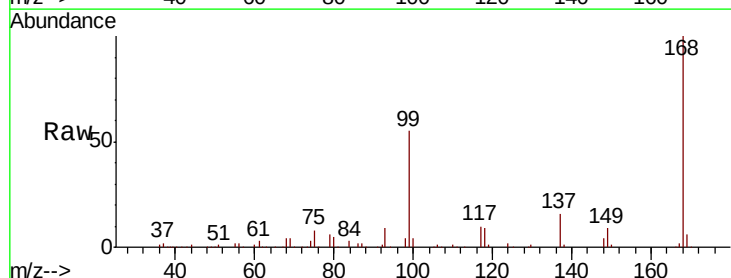
Tgt Ion: 56 Resp: 4458

Ion Ratio Lower Upper

56 100

69 165.6 22.6 33.8#

84 136.8 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

3000

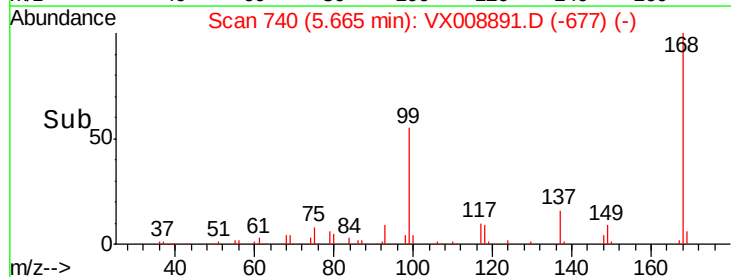
2000

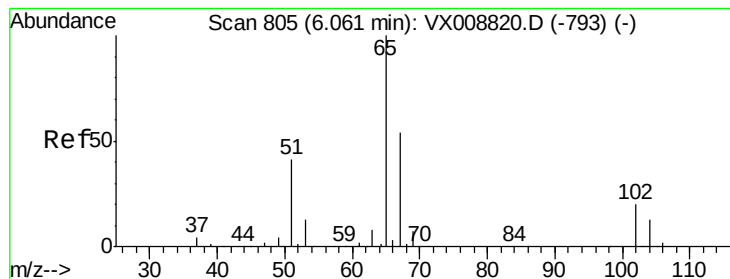
1000

0

5.55 5.60 5.65 5.70 5.75

Time-->





#33

1,2-Dichloroethane-d4

Concen: 45.577 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

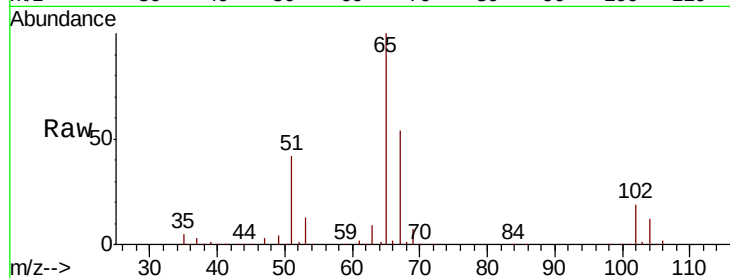
SA-PZ147-20190409

Tot Ion: 65 Resp: 128167

Ion Ratio Lower Upper

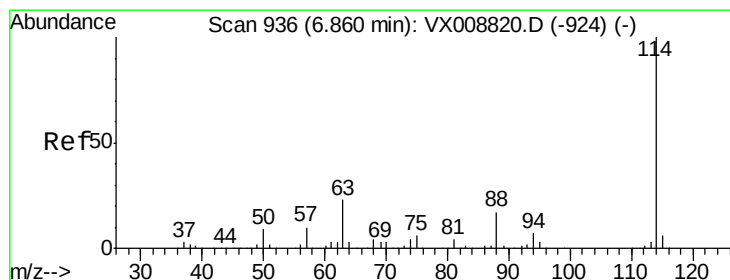
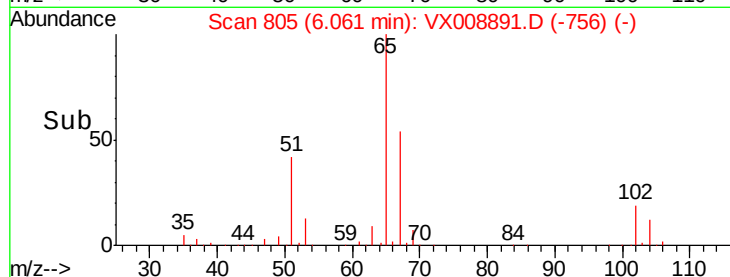
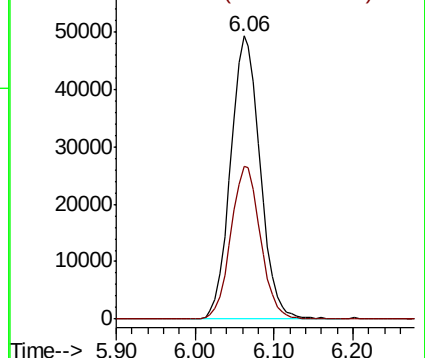
65 100

67 54.2 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: VX008891.D

Acq: 12 Apr 2019 17:04

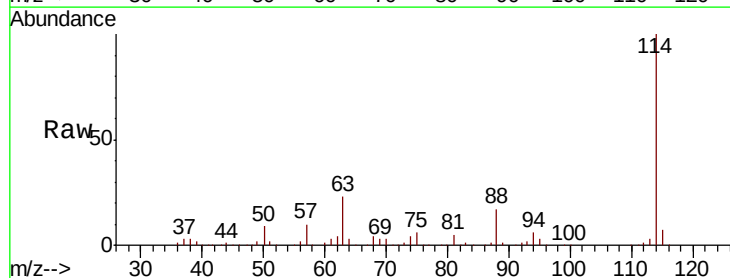
Tgt Ion:114 Resp: 316350

Ion Ratio Lower Upper

114 100

63 22.7 0.0 47.2

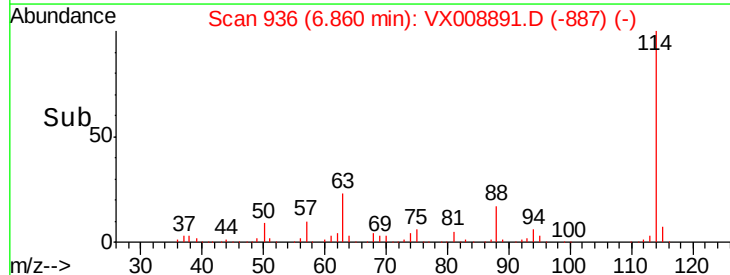
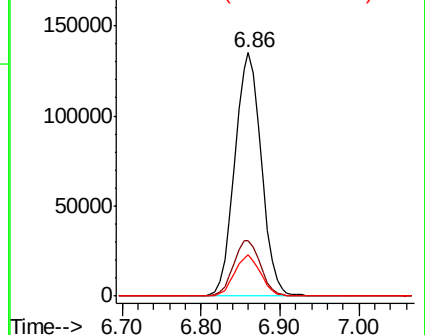
88 16.9 0.0 34.0

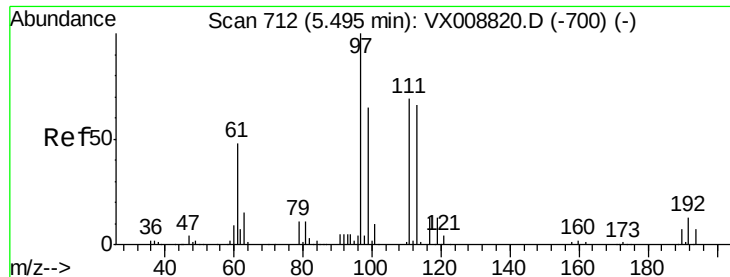


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

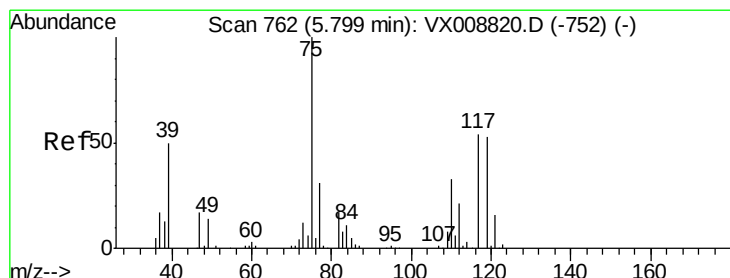
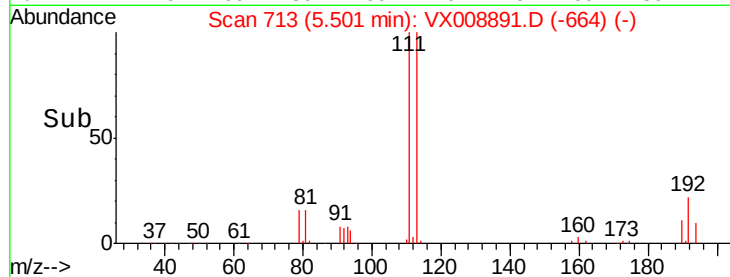
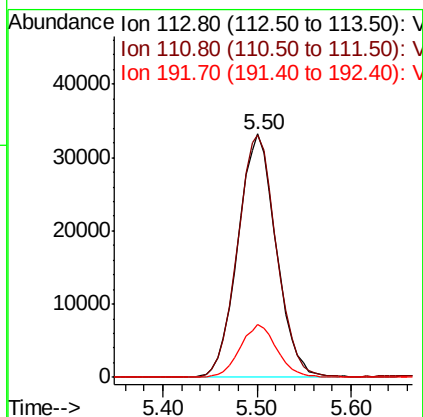
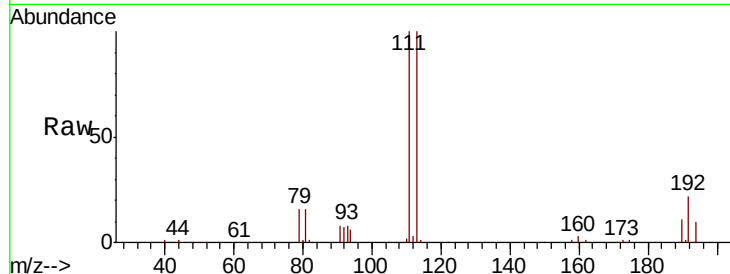




#35
 Dibromofluoromethane
 Concen: 46.612 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008891.D
 Acq: 12 Apr 2019 17:04

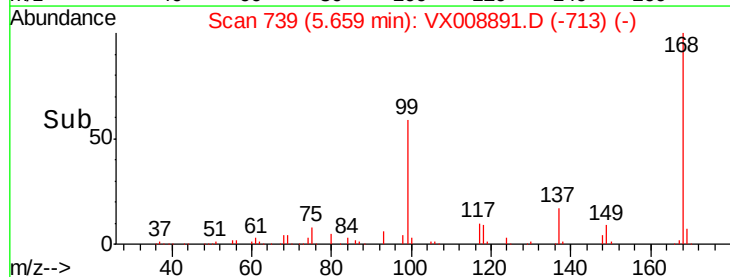
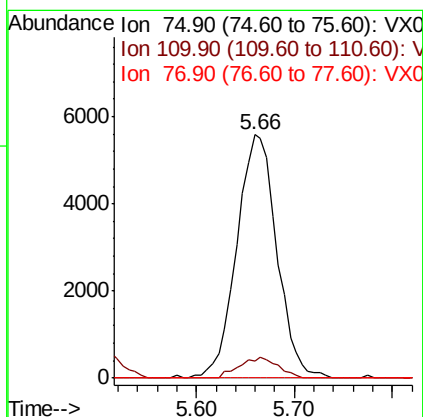
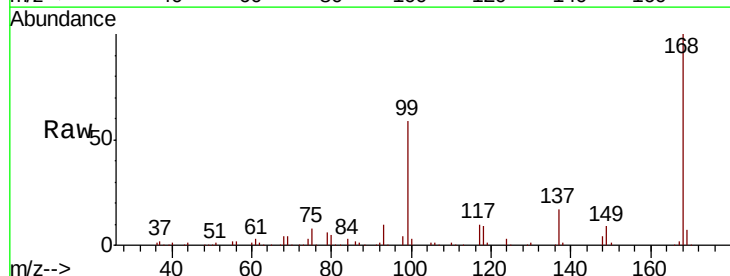
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ147-20190409

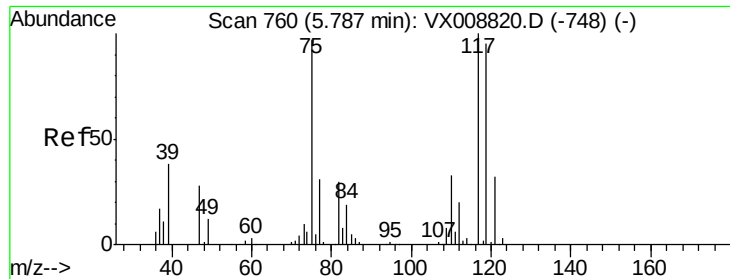
Tot Ion:113 Resp: 94278
 Ion Ratio Lower Upper
 113 100
 111 101.1 83.4 125.2
 192 21.1 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008891.D
 Acq: 12 Apr 2019 17:04

Tgt Ion: 75 Resp: 15870
 Ion Ratio Lower Upper
 75 100
 110 8.2 16.4 49.2#
 77 0.0 24.7 37.1#

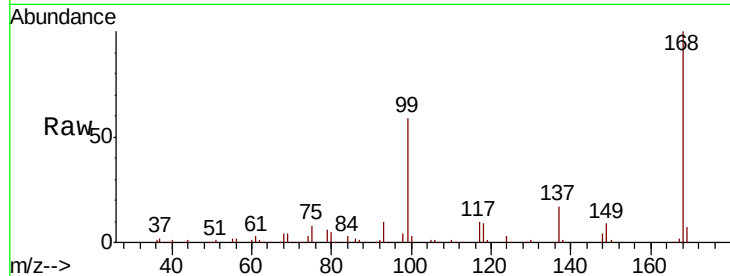




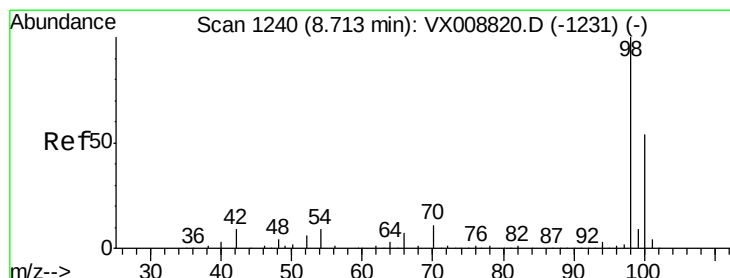
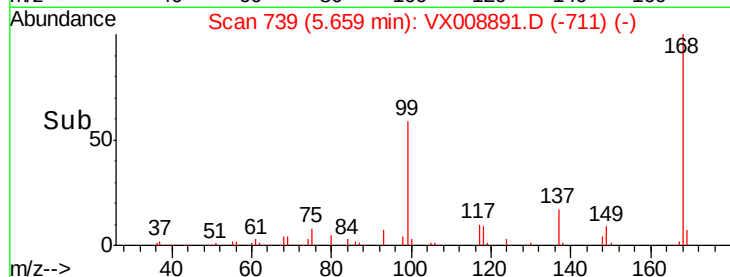
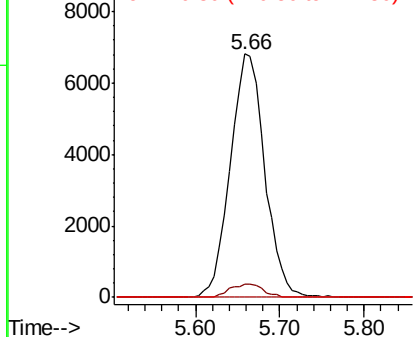
#38
Carbon Tetrachloride
Concen: 6.592 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190409

Tot Ion:117 Resp: 18867
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.3 36.5#

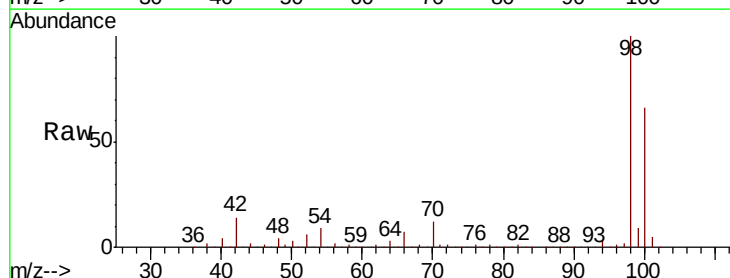


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

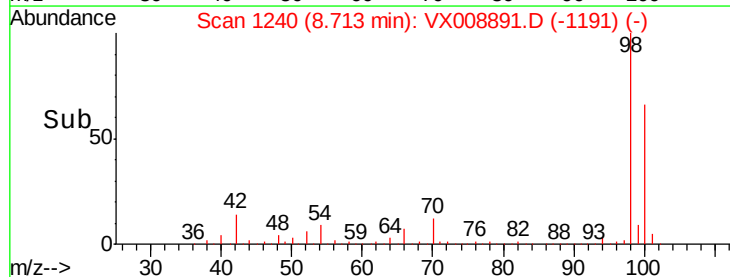
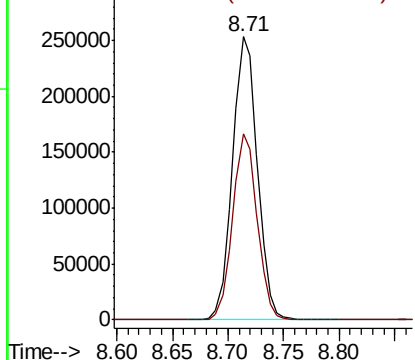


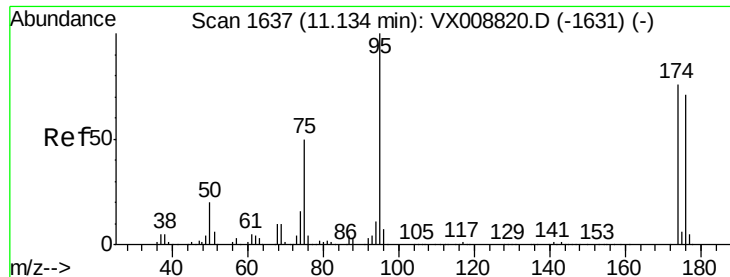
#50
Toluene-d8
Concen: 48.687 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Tgt Ion: 98 Resp: 392102
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.909 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190409

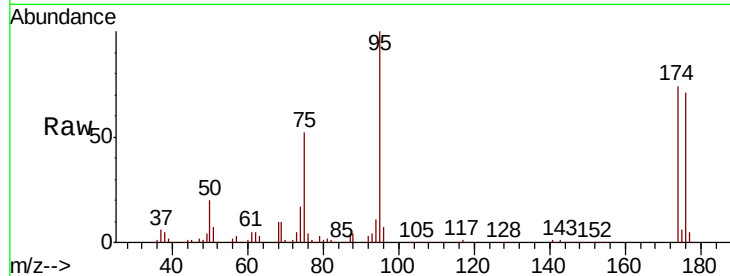
Tot Ion: 95 Resp: 131113

Ion Ratio Lower Upper

95 100

174 78.8 0.0 151.8

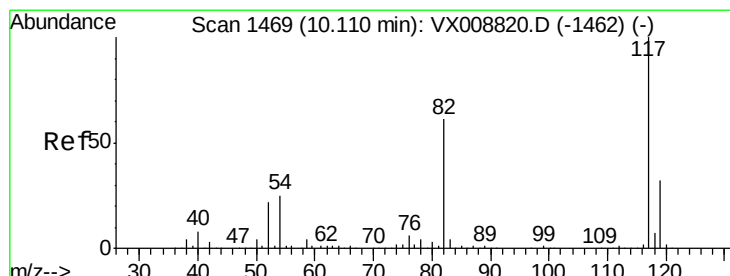
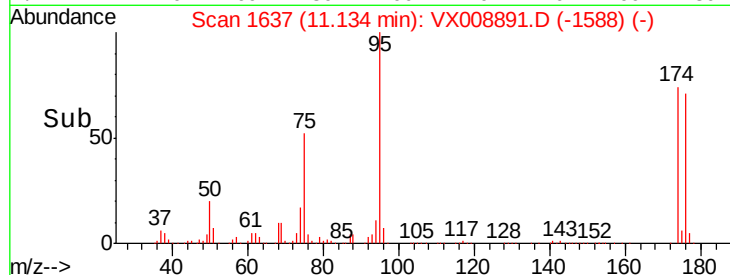
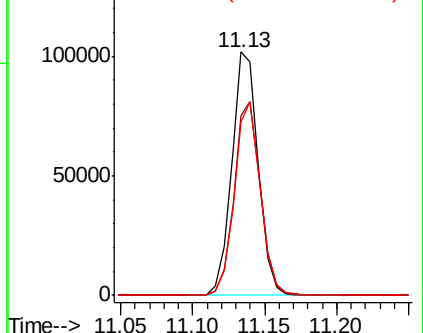
176 77.1 0.0 145.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

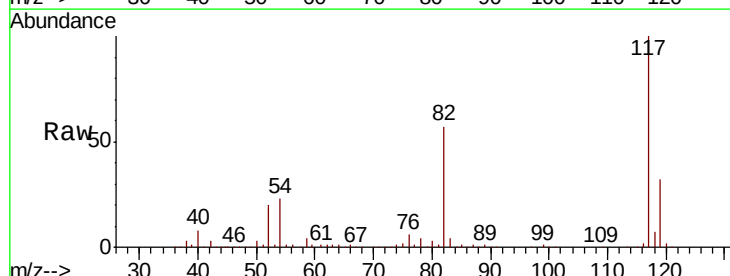
Tgt Ion: 117 Resp: 273600

Ion Ratio Lower Upper

117 100

82 57.4 49.6 74.4

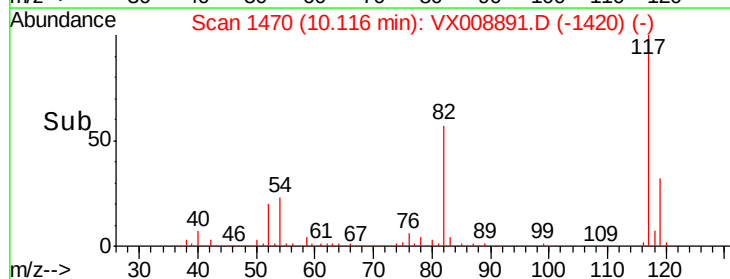
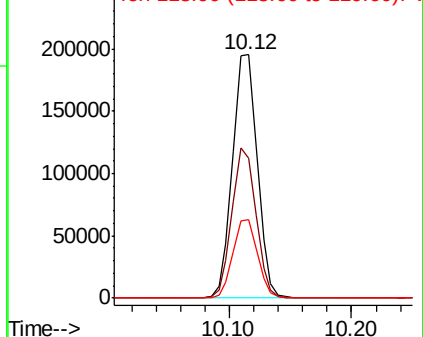
119 32.2 25.0 37.4

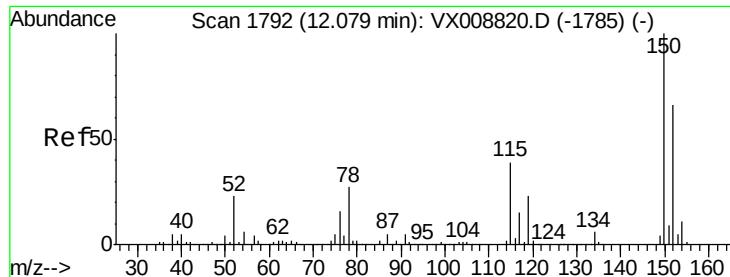


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



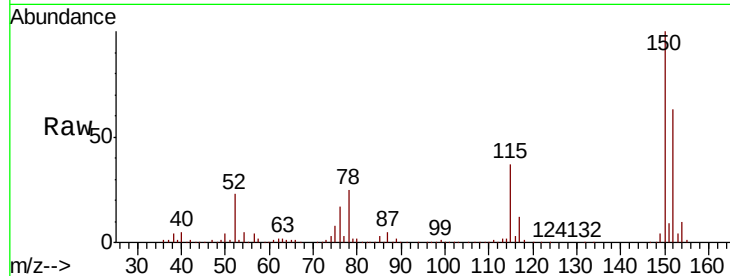


#72

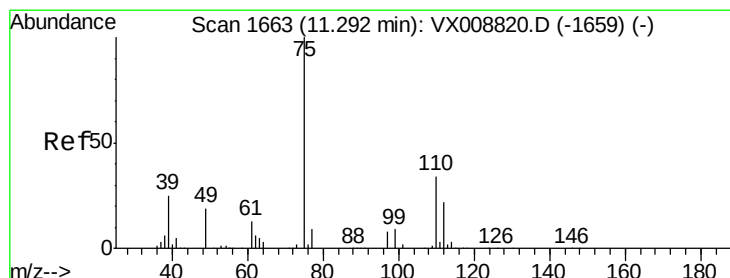
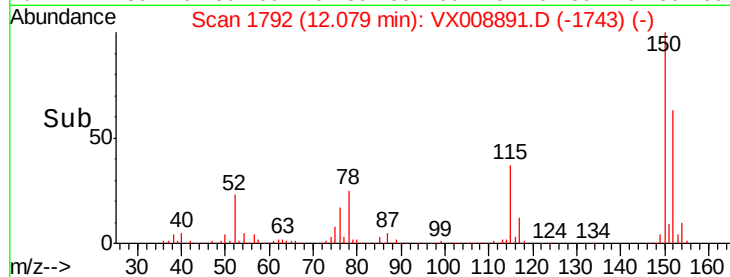
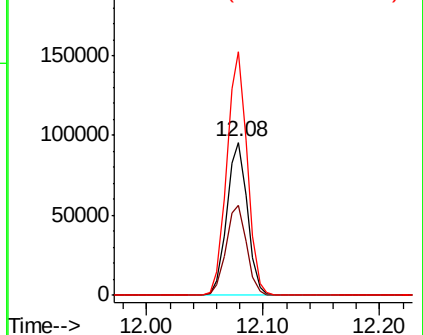
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ147-20190409

Tot Ion:152 Resp: 116661
Ion Ratio Lower Upper
152 100
115 59.3 43.5 130.5
150 158.0 0.0 348.8



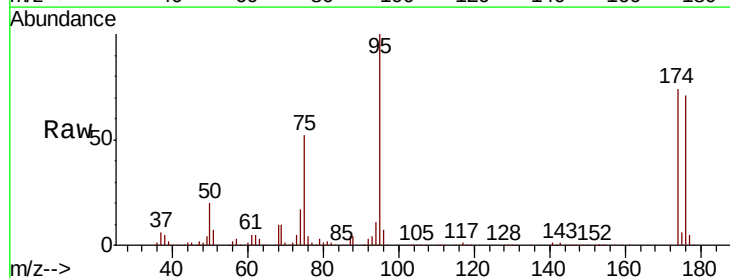
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



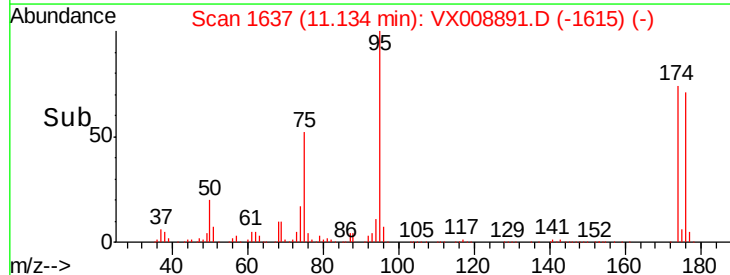
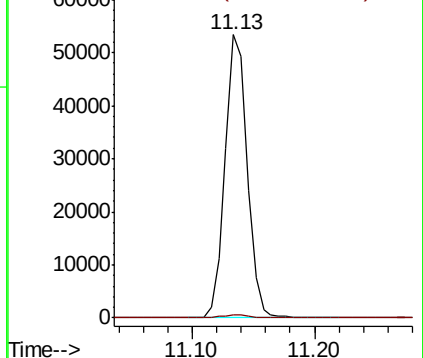
#76

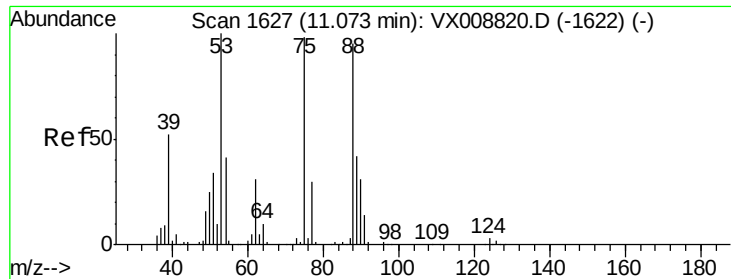
1,2,3-Trichloropropane
Concen: 20.873 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008891.D
Acq: 12 Apr 2019 17:04

Tgt Ion: 75 Resp: 66892
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



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: 57.536 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008891.D

Acq: 12 Apr 2019 17:04

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ147-20190409

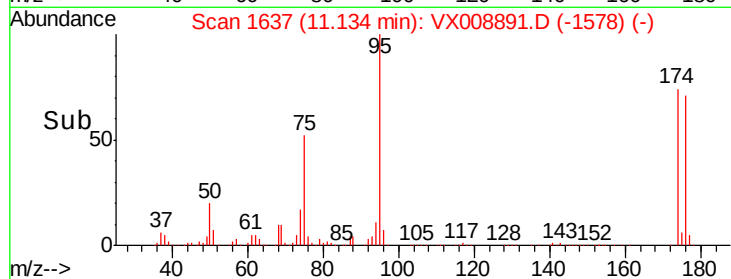
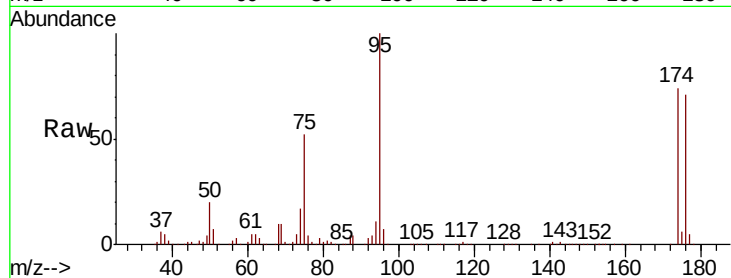
Tot Ion: 75 Resp: 66892

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

