

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004588.D
 Acq On : 15 Sep 2018 16:54
 Operator : JC/MD
 Sample : J4922-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3

Quant Time: Sep 17 08:38:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	299799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161234	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	145519	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	5.50	113	137206	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
50) Toluene-d8	8.72	98	446486	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.14	95	156824	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

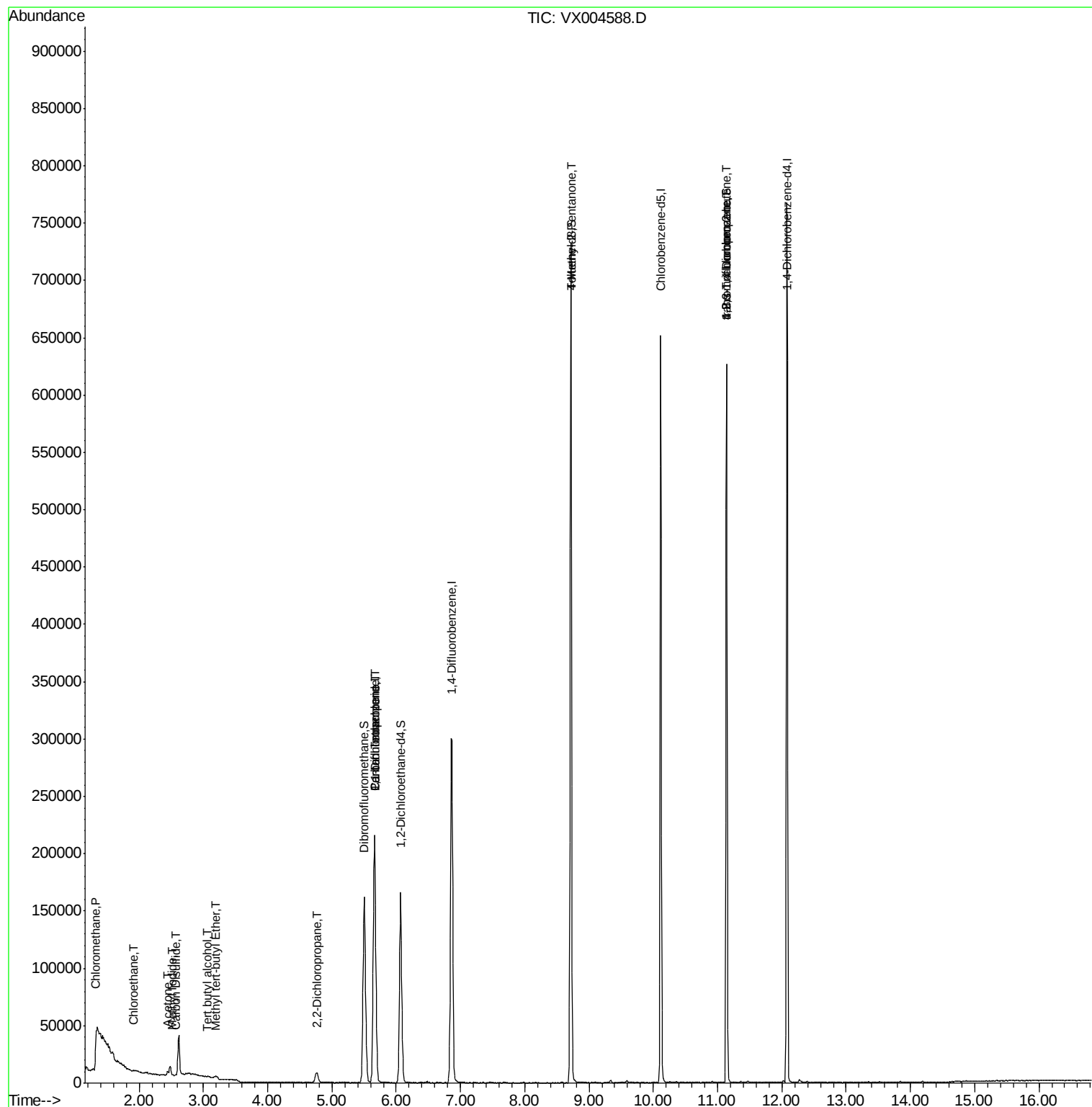
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1943	0.68	ug/l	# 70
5) Bromomethane	1.65	94	783	Below	Cal	91
6) Chloroethane	1.91	64	1244	0.66	ug/l	# 51
10) Methyl Iodide	2.52	142	332	4.36	ug/l	# 91
11) Tert butyl alcohol	3.06	59	1317	1.94	ug/l	# 92
16) Acetone	2.44	43	3621	2.61	ug/l	96
17) Carbon Disulfide	2.57	76	1685	0.25	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1632	0.20	ug/l	# 86
26) 2,2-Dichloropropane	4.76	77	791	0.24	ug/l	# 52
36) 1,1-Dichloropropene	5.67	75	14478	3.79	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	18734	5.02	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.72	43	1792	0.44	ug/l	# 1
76) 1,2,3-Trichloropropane	11.14	75	73621	22.70	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	73621	72.34	ug/l	# 10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

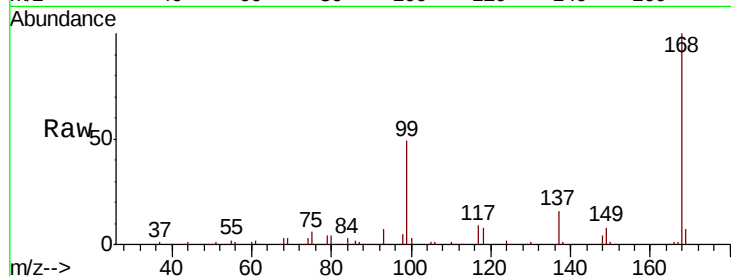
PZ-3

Tot Ion:168 Resp: 220288

Ion Ratio Lower Upper

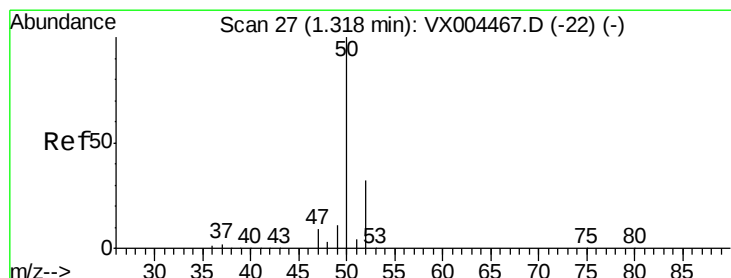
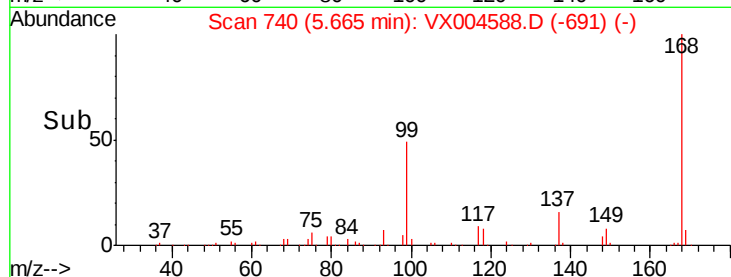
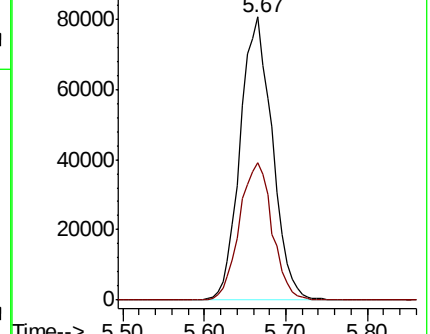
168 100

99 48.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.68 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004588.D

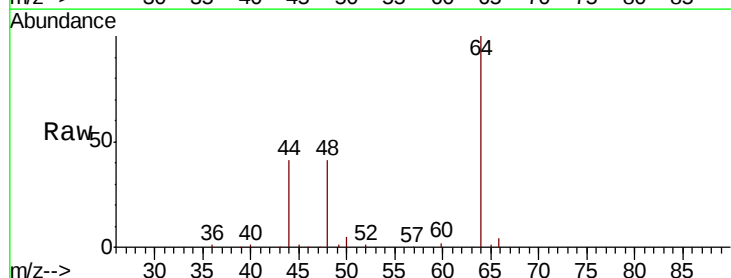
Acq: 15 Sep 2018 16:54

Tgt Ion: 50 Resp: 1943

Ion Ratio Lower Upper

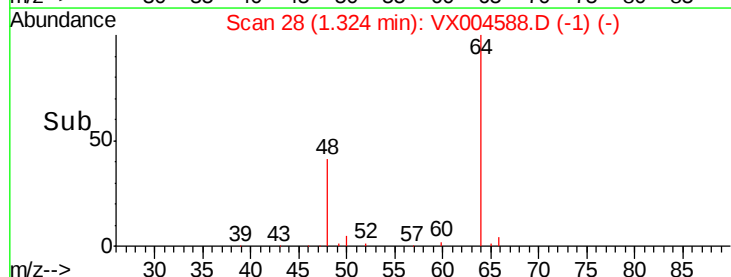
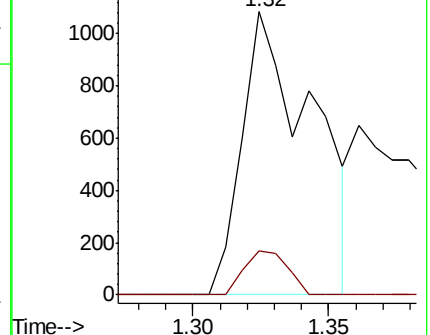
50 100

52 15.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

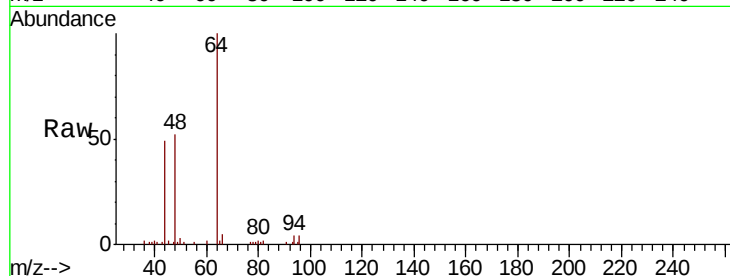
PZ-3

Tot Ion: 94 Resp: 783

Ion Ratio Lower Upper

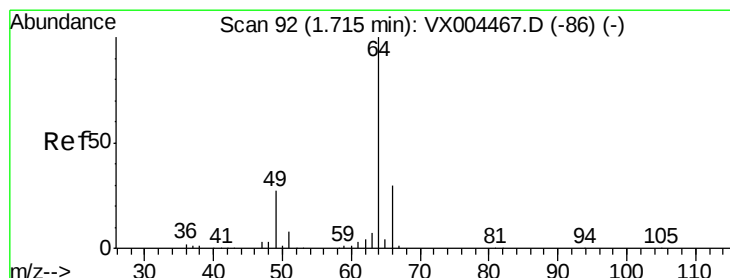
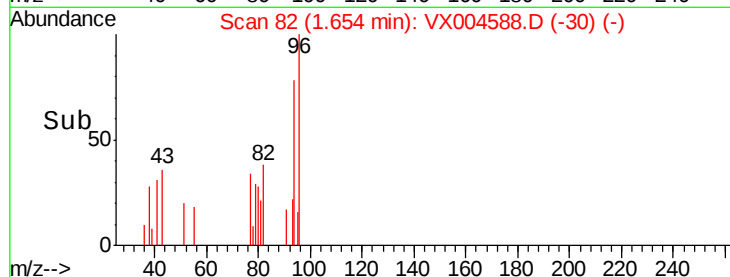
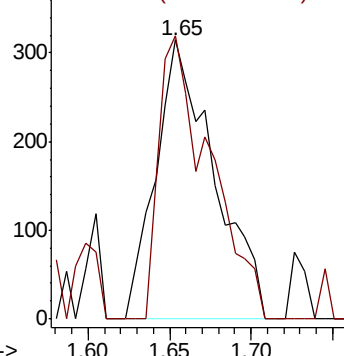
94 100

96 101.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.66 ug/l

RT: 1.91 min Scan# 124

Delta R.T. 0.20 min

Lab File: VX004588.D

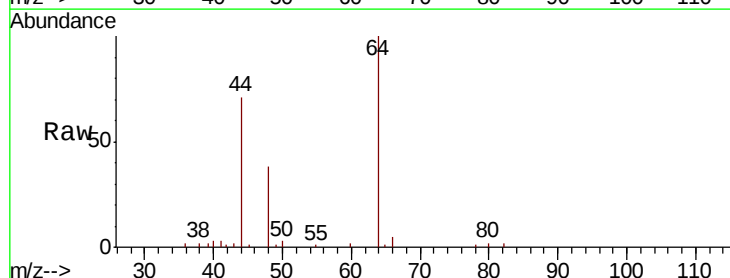
Acq: 15 Sep 2018 16:54

Tgt Ion: 64 Resp: 1244

Ion Ratio Lower Upper

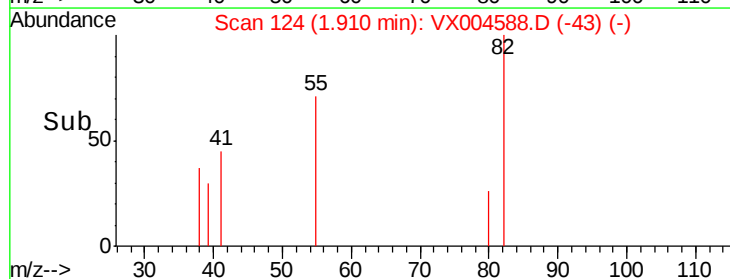
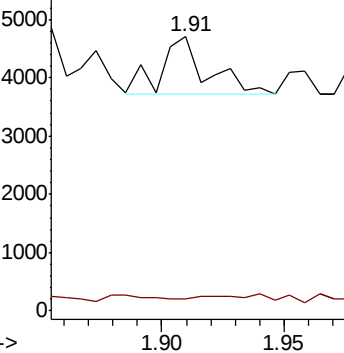
64 100

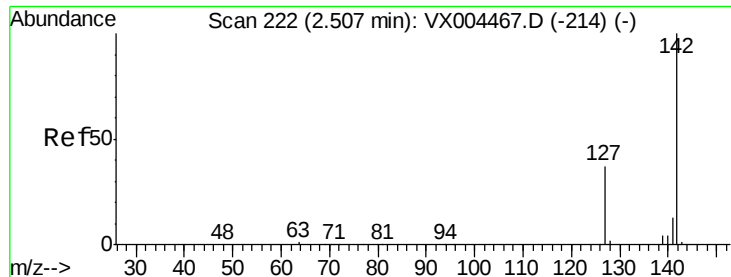
66 3.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

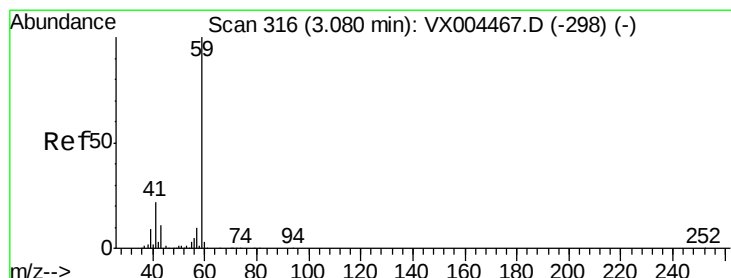
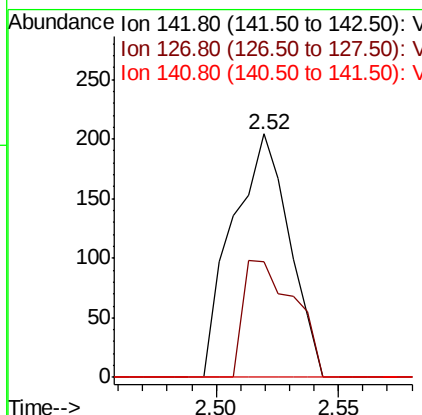
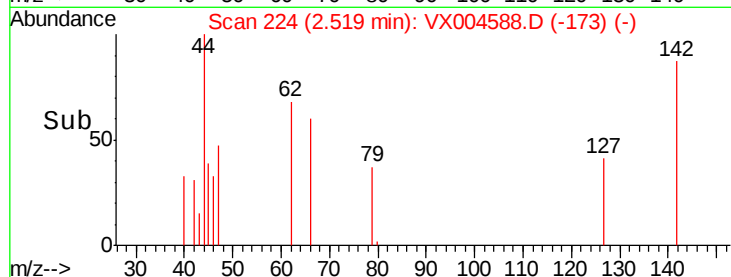
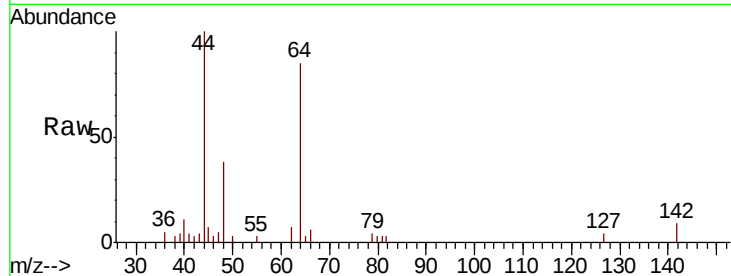




#10
Methvl Iodide
Concen: 4.36 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

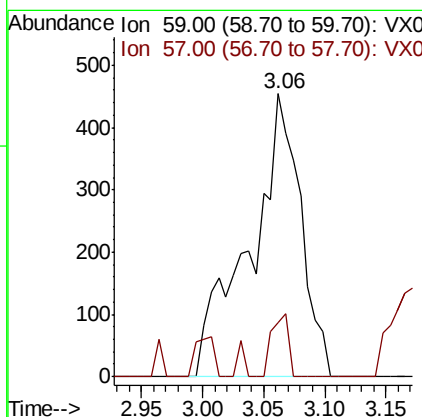
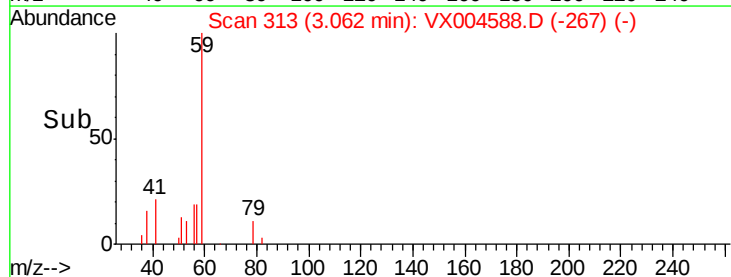
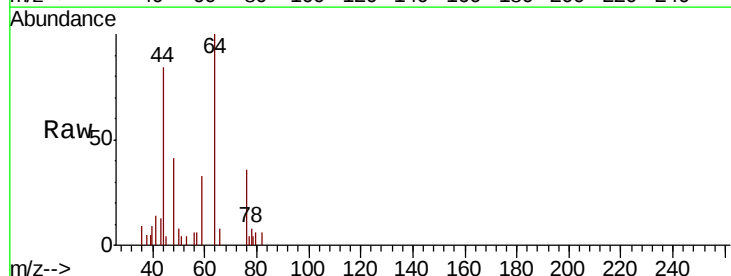
Instrument :
MSVOA_X
ClientSampled :
PZ-3

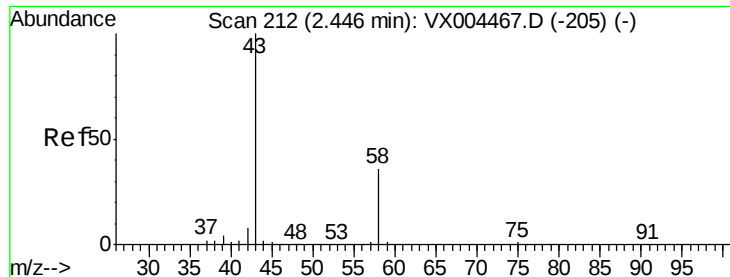
Tot Ion:142 Resp: 332
Ion Ratio Lower Upper
142 100
127 42.8 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.94 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

Tgt Ion: 59 Resp: 1317
Ion Ratio Lower Upper
59 100
57 7.2 8.2 12.4#





#16

Acetone

Concen: 2.61 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

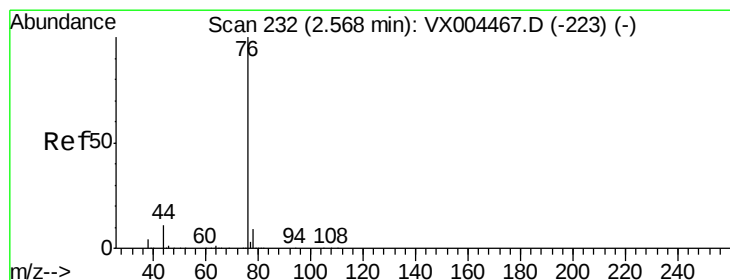
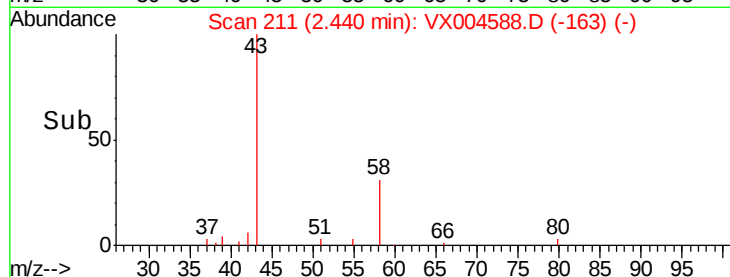
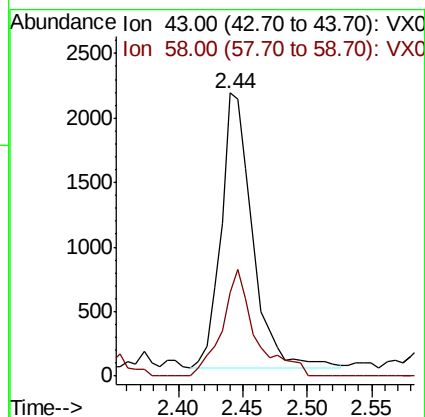
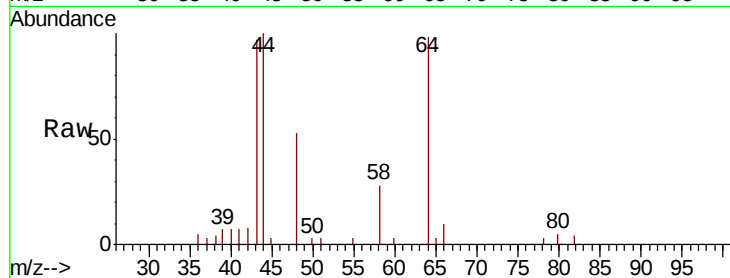
PZ-3

Tot Ion: 43 Resp: 3621

Ion Ratio Lower Upper

43 100

58 30.3 26.2 39.4



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX004588.D

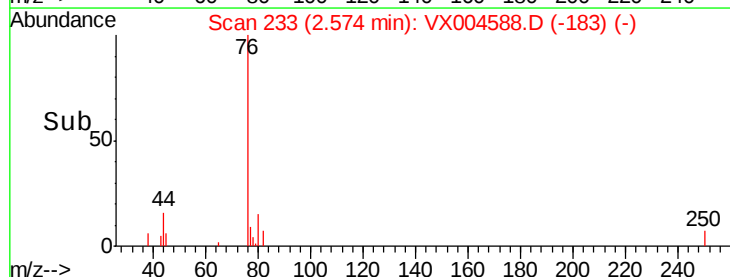
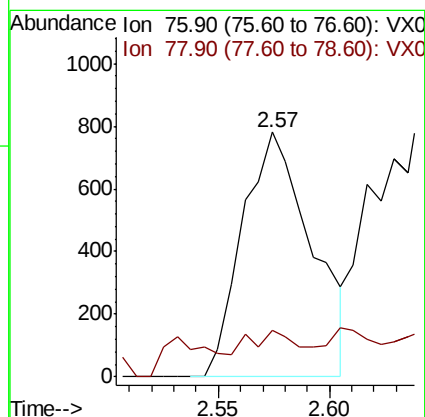
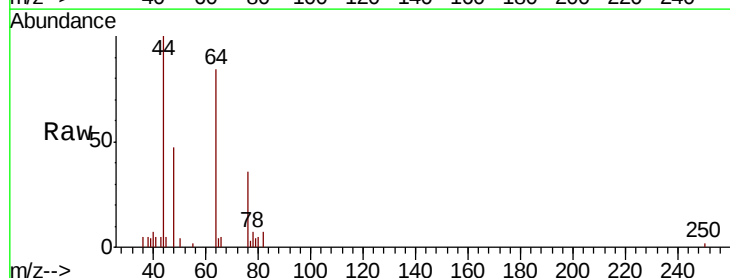
Acq: 15 Sep 2018 16:54

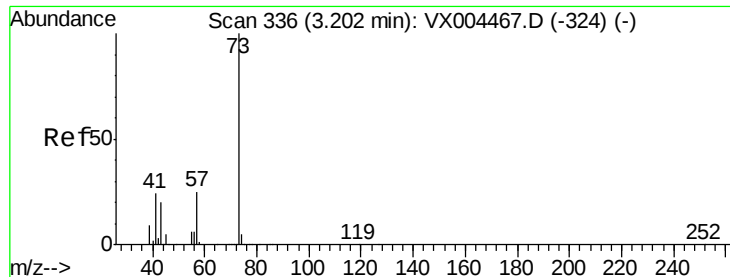
Tgt Ion: 76 Resp: 1685

Ion Ratio Lower Upper

76 100

78 7.6 7.0 10.6

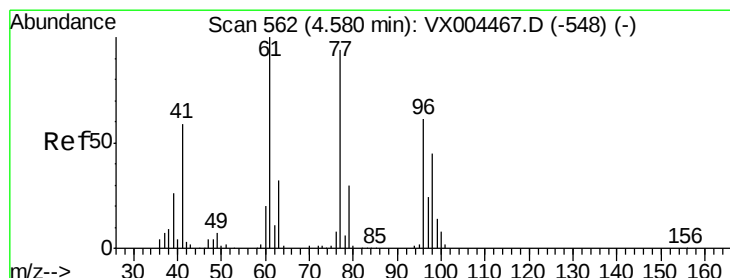
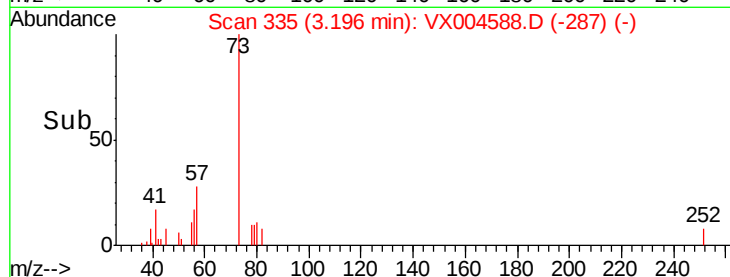
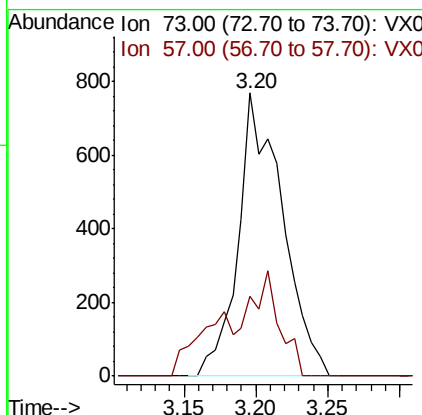
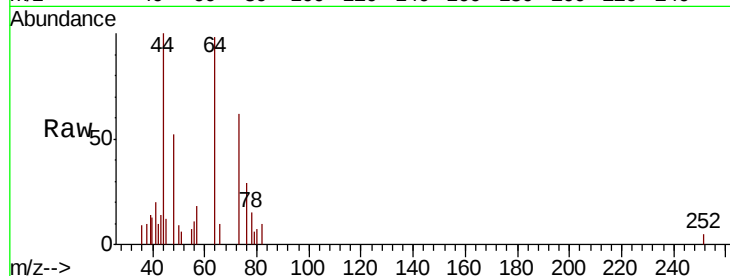




#19
Methvl tert-butvl Ether
Concen: 0.20 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

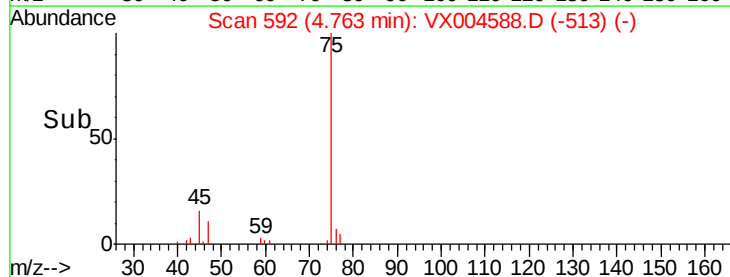
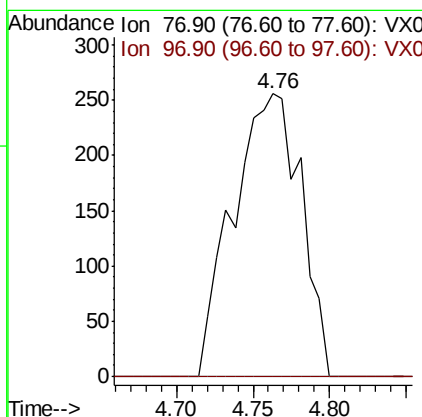
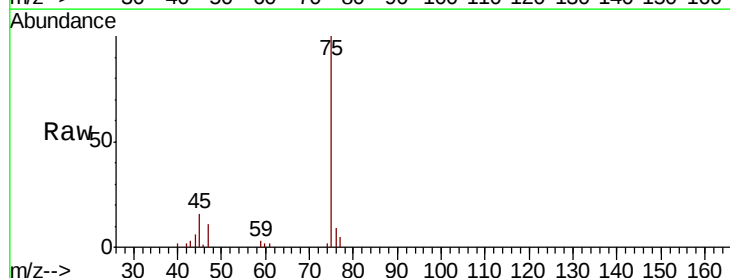
Instrument :
MSVOA_X
ClientSampleId :
PZ-3

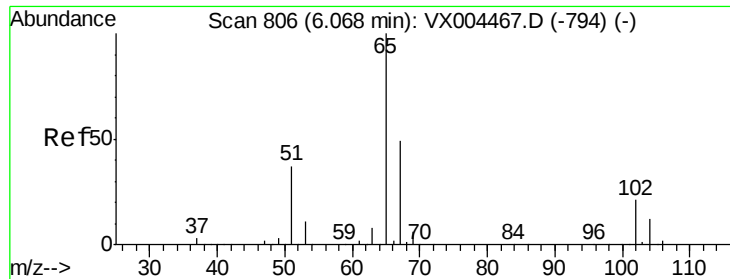
Tot Ion: 73 Resp: 1632
Ion Ratio Lower Upper
73 100
57 28.1 17.1 25.7#



#26
2,2-Dichloropropane
Concen: 0.24 ug/l
RT: 4.76 min Scan# 592
Delta R.T. 0.18 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

Tgt Ion: 77 Resp: 791
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

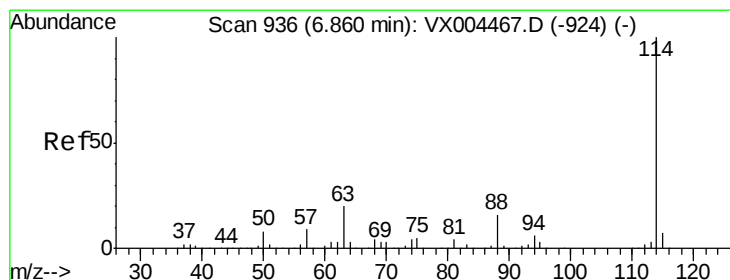
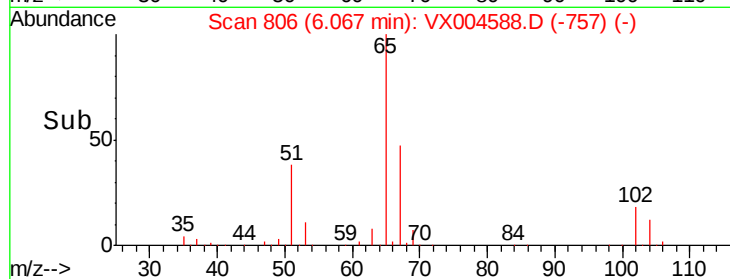
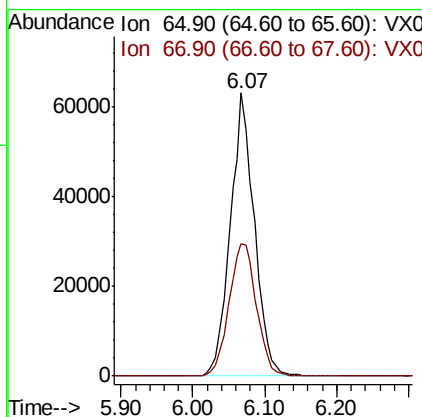
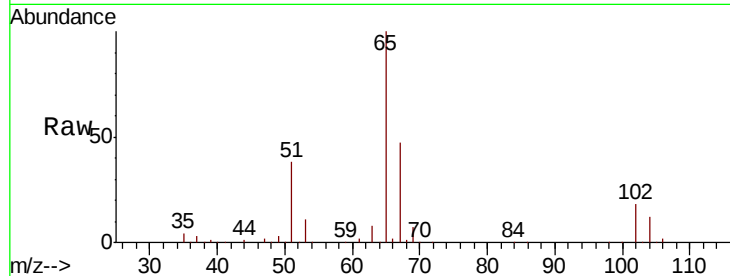




#33
 1,2-Dichloroethane-d4
 Concen: 51.23 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004588.D
 Acq: 15 Sep 2018 16:54

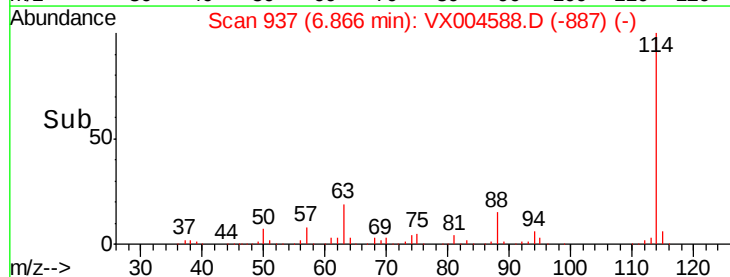
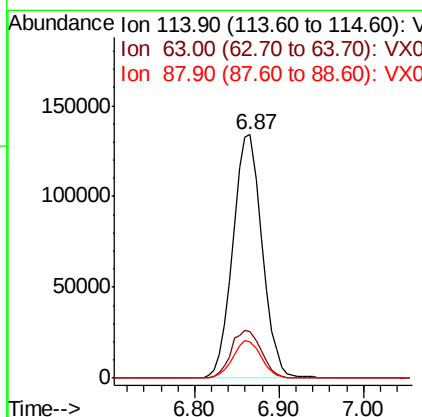
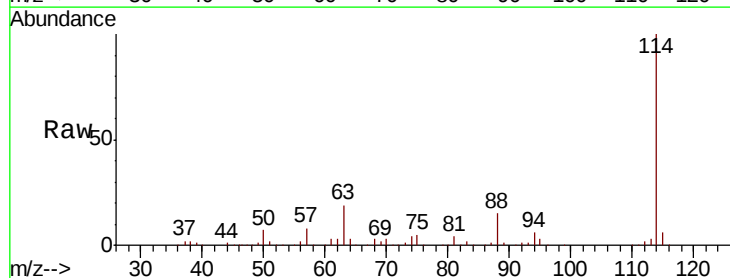
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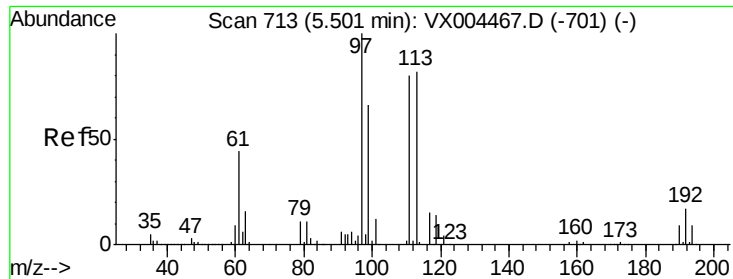
Tot Ion: 65 Resp: 145519
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004588.D
 Acq: 15 Sep 2018 16:54

Tgt Ion: 114 Resp: 314717
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.1 0.0 30.4

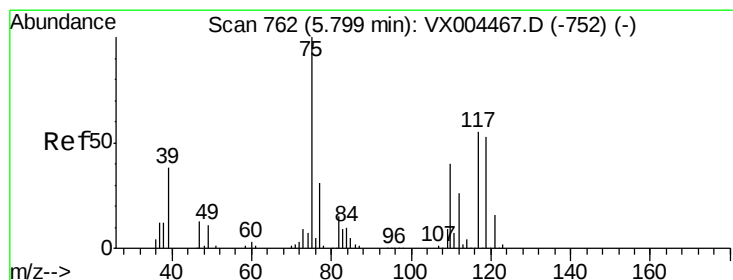
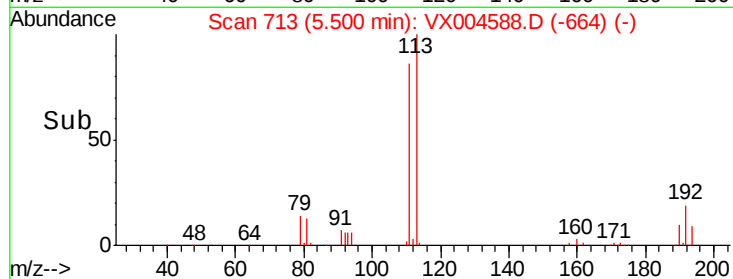
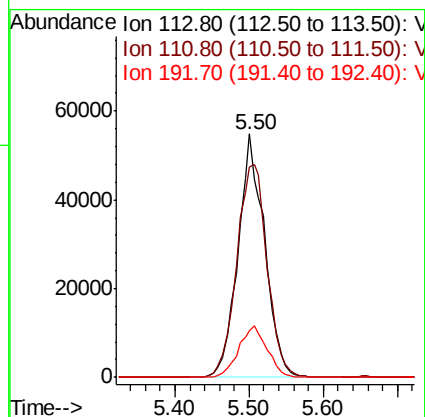
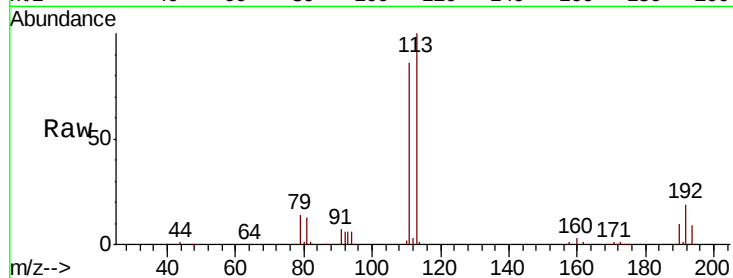




#35
 Dibromofluoromethane
 Concen: 47.64 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004588.D
 Acq: 15 Sep 2018 16:54

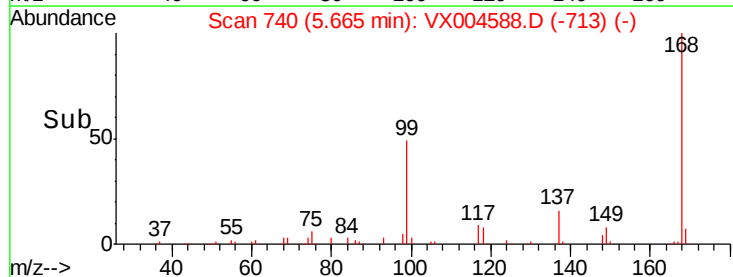
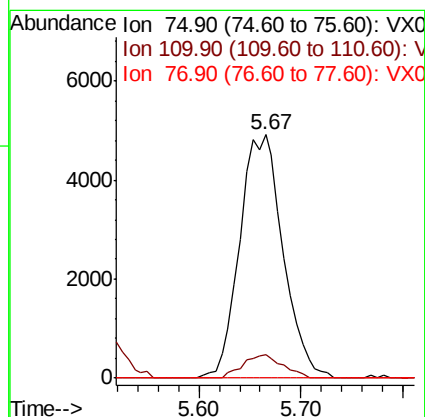
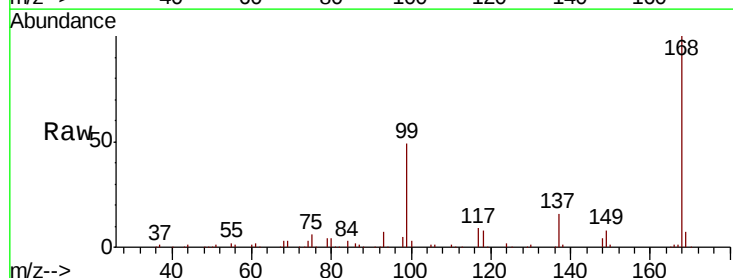
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-3

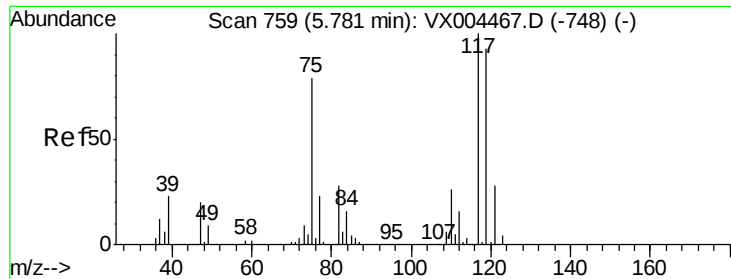
Tot Ion:113 Resp: 137206
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.4 123.6
 192 22.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004588.D
 Acq: 15 Sep 2018 16:54

Tgt Ion: 75 Resp: 14478
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.02 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampled :

PZ-3

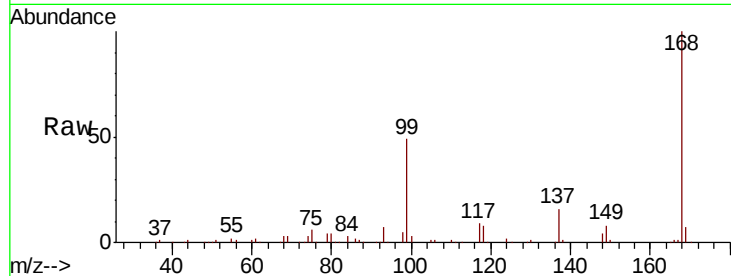
Tot Ion:117 Resp: 18734

Ion Ratio Lower Upper

117 100

119 5.1 78.8 118.2#

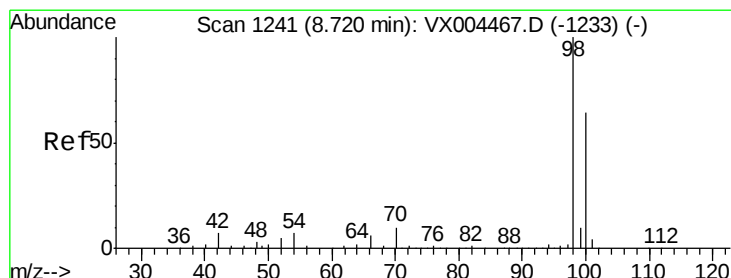
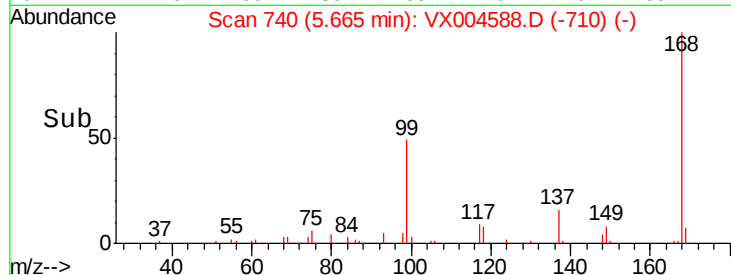
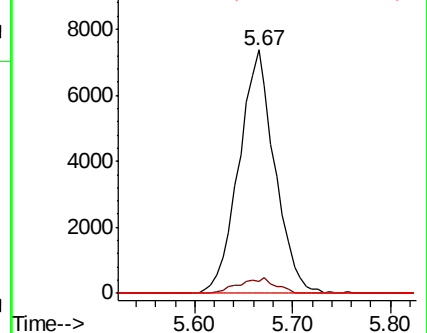
121 0.0 24.9 37.3#



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: 46.23 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004588.D

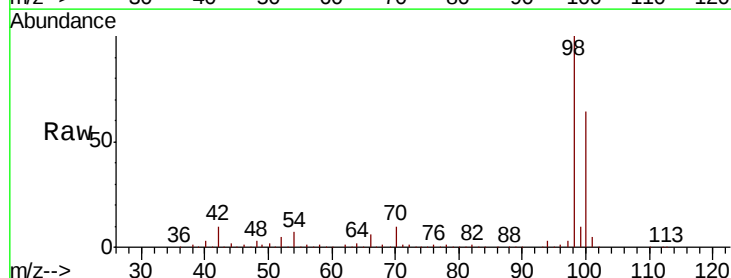
Acq: 15 Sep 2018 16:54

Tgt Ion: 98 Resp: 446486

Ion Ratio Lower Upper

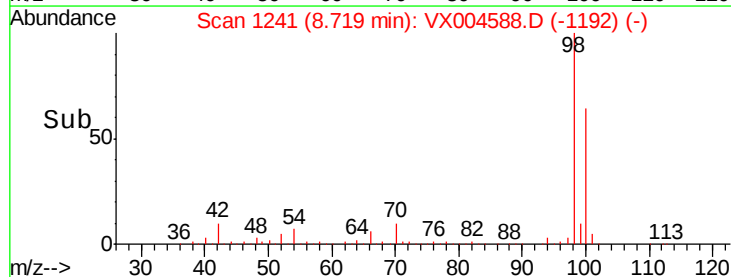
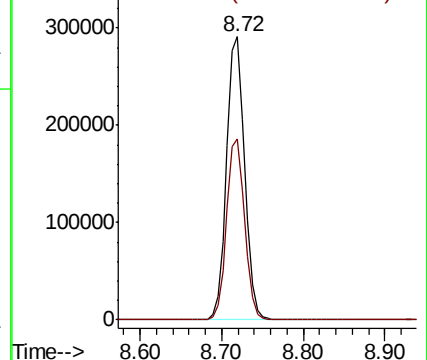
98 100

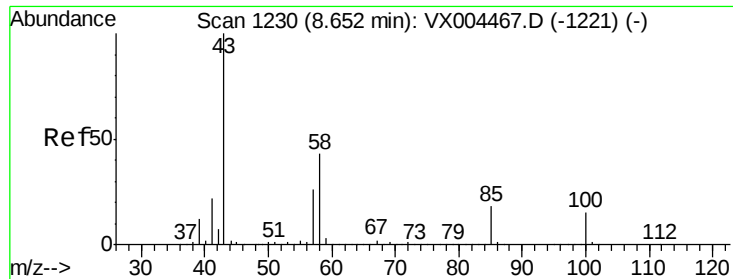
100 64.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.07 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampled :

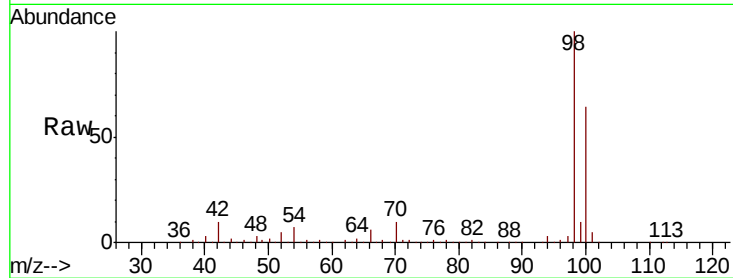
PZ-3

Tot Ion: 43 Resp: 1792

Ion Ratio Lower Upper

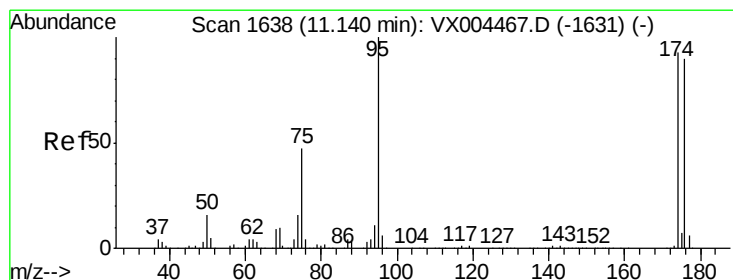
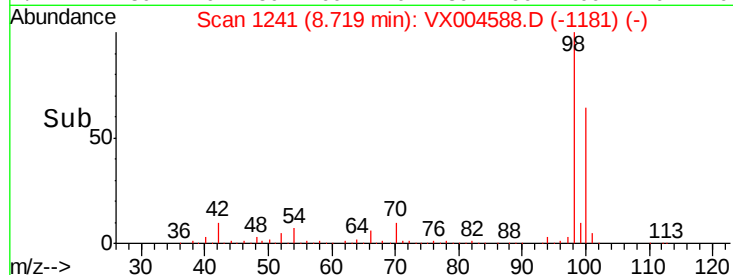
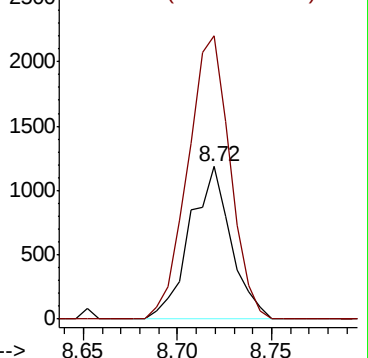
43 100

58 190.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.49 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

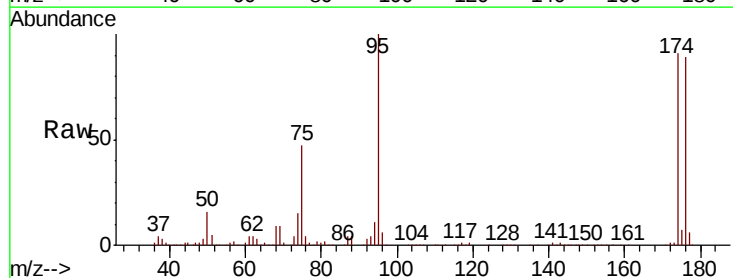
Tgt Ion: 95 Resp: 156824

Ion Ratio Lower Upper

95 100

174 92.0 0.0 185.2

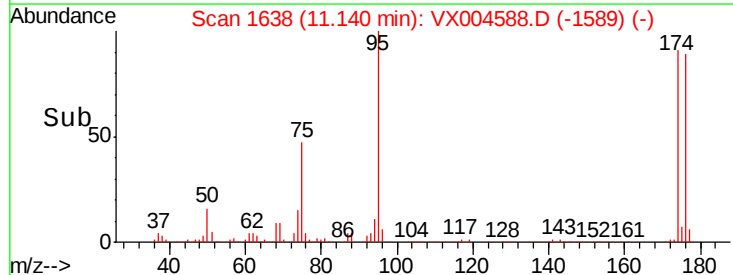
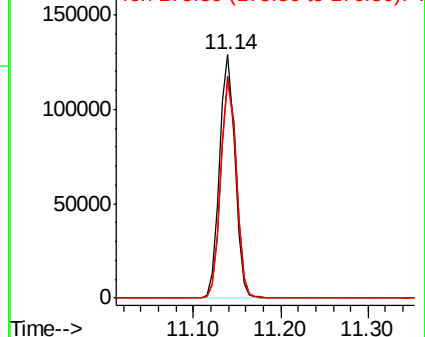
176 89.5 0.0 178.6

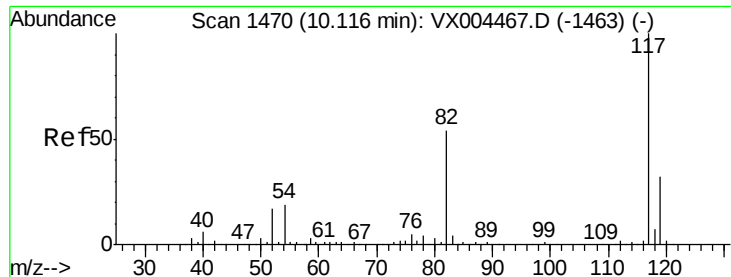


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

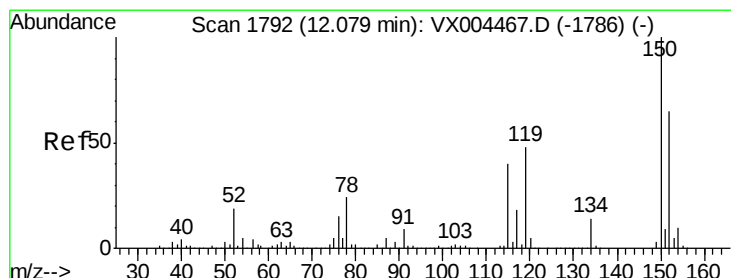
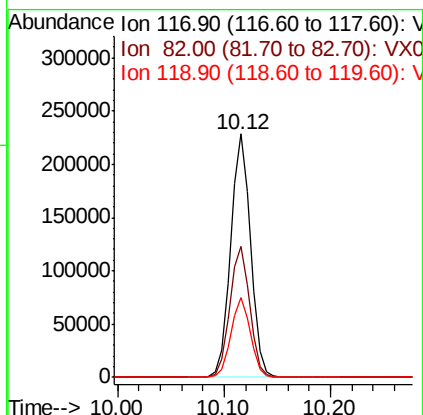
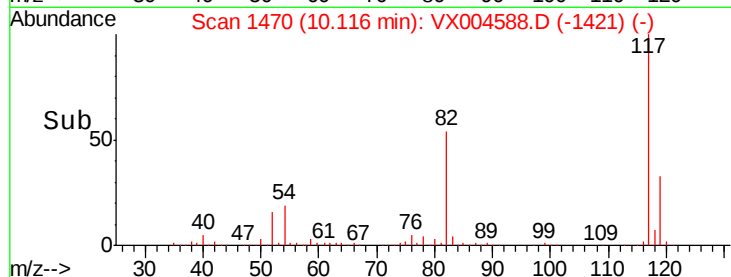
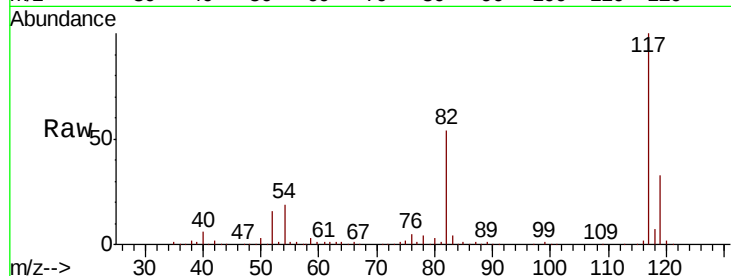




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

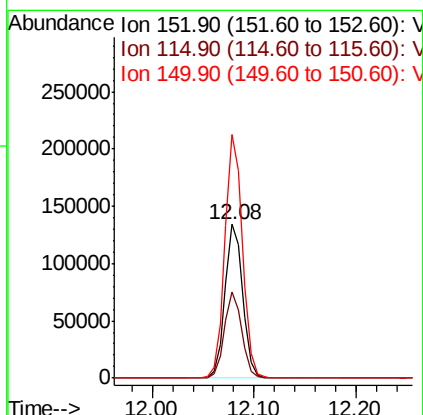
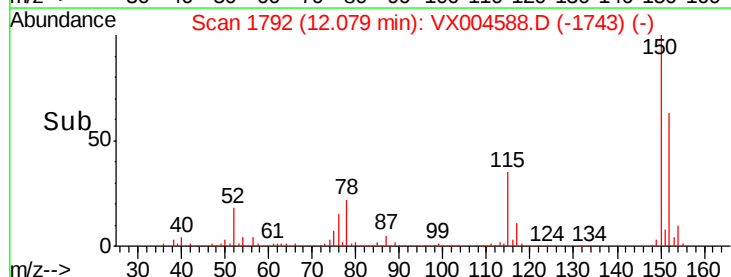
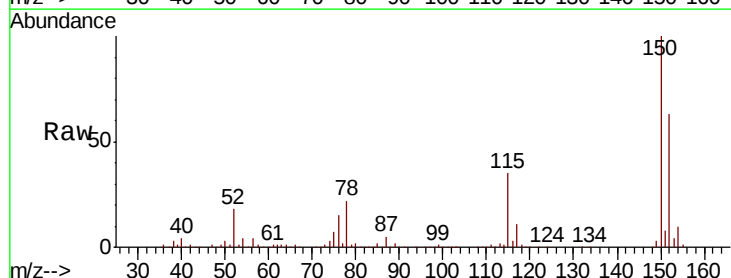
Instrument :
MSVOA_X
ClientSampleId :
PZ-3

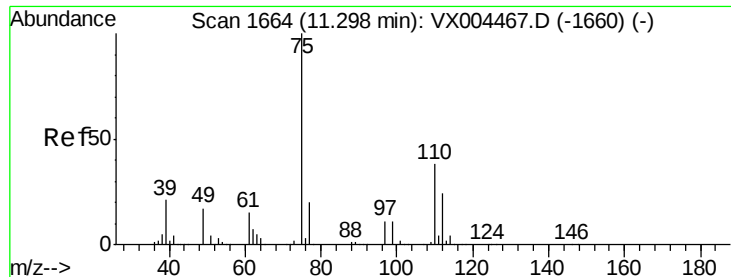
Tot Ion:117 Resp: 299799
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 32.6 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004588.D
Acq: 15 Sep 2018 16:54

Tgt Ion:152 Resp: 161234
Ion Ratio Lower Upper
152 100
115 55.1 39.0 117.0
150 157.1 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.70 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

Instrument :

MSVOA_X

ClientSampleId :

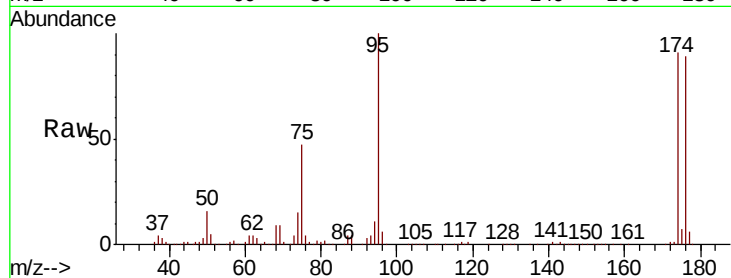
PZ-3

Tot Ion: 75 Resp: 73621

Ion Ratio Lower Upper

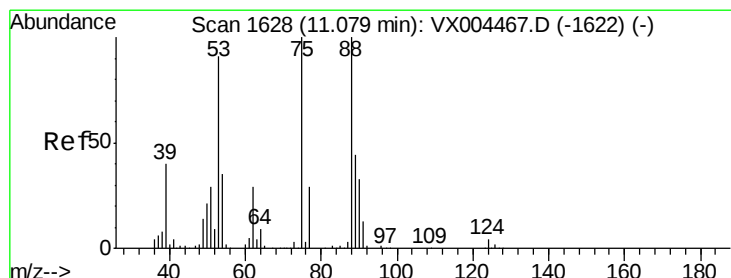
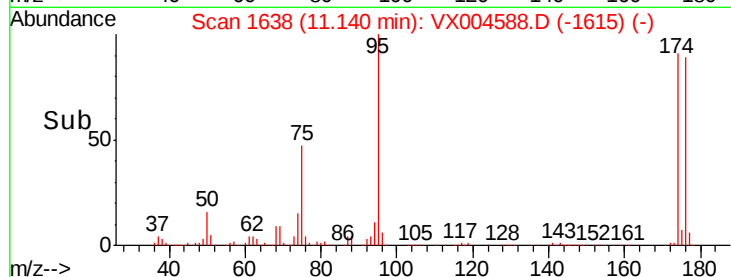
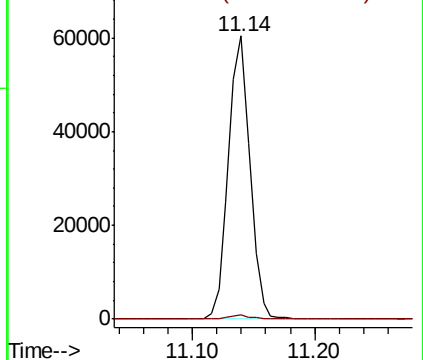
75 100

77 1.4 20.2 60.6#



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: 72.34 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004588.D

Acq: 15 Sep 2018 16:54

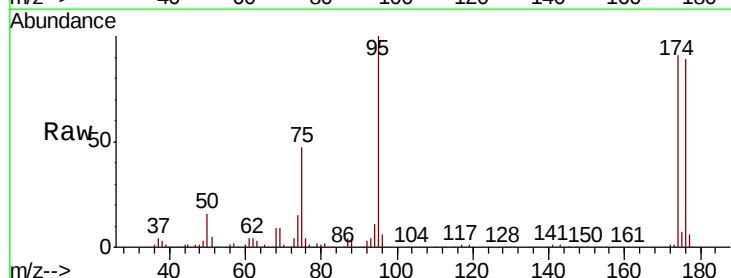
Tgt Ion: 75 Resp: 73621

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 37.2 55.8#



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

