

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082118\
 Data File : VX004186.D
 Acq On : 21 Aug 2018 19:49
 Operator : JC/MD
 Sample : PB112227ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112227ZHE#01

Quant Time: Aug 22 00:58:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	472189	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	450158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237469	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	210288	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
35) Dibromofluoromethane	5.50	113	176203	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.71	98	658016	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
62) 4-Bromofluorobenzene	11.14	95	229320	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	

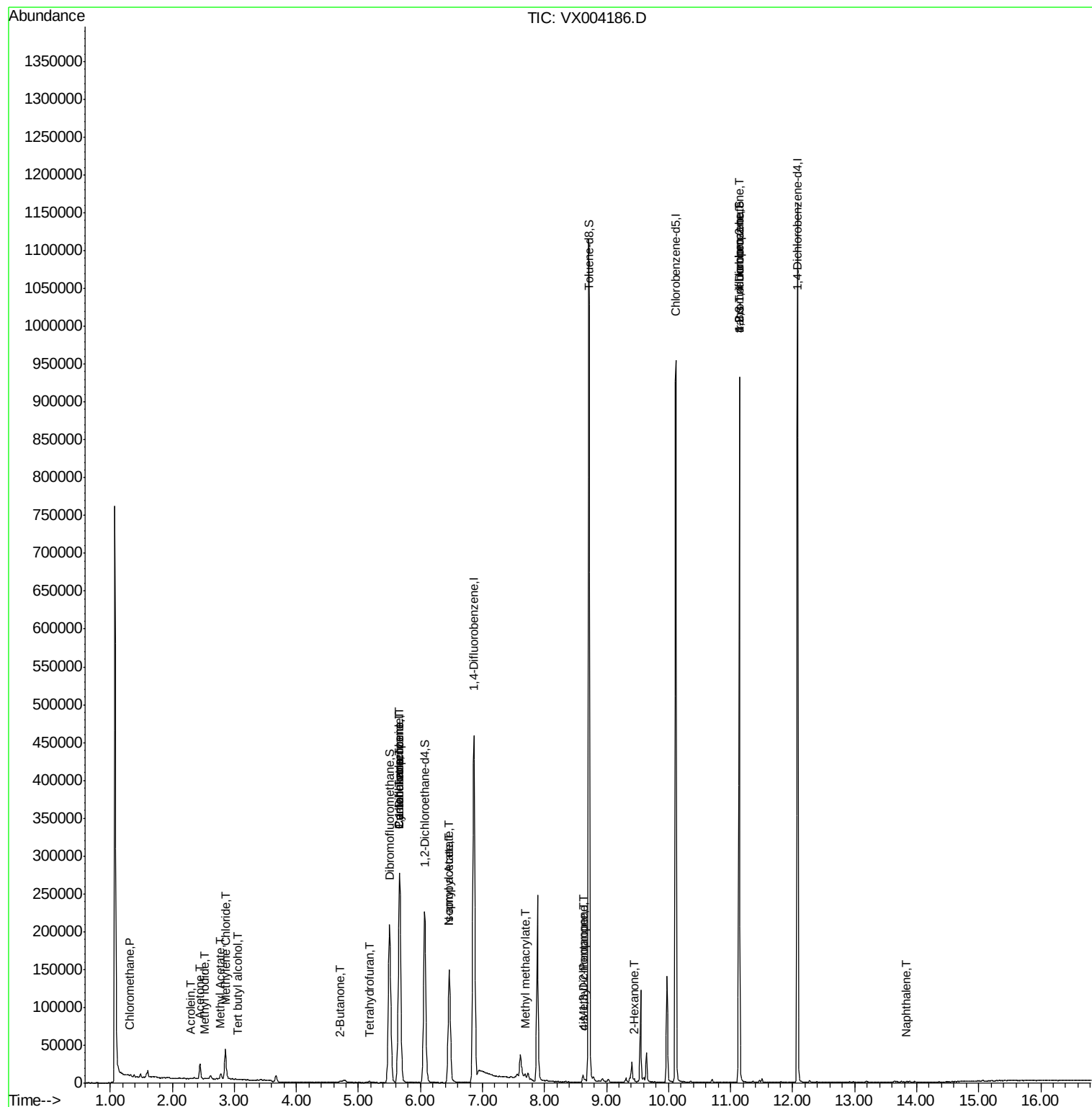
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1571	0.46	ug/l	92
6) Chloroethane	1.75	64	1277	Below Cal	#	68
10) Methyl Iodide	2.52	142	175	5.06	ug/l	# 56
11) Tert butyl alcohol	3.06	59	598	0.74	ug/l	95
13) Acrolein	2.29	56	215	11.32	ug/l	# 35
16) Acetone	2.45	43	20796	9.94	ug/l	99
18) Methyl Acetate	2.78	43	9280	2.00	ug/l	100
20) Methylene Chloride	2.86	84	18701	4.92	ug/l	98
25) 2-Butanone	4.70	43	4018	1.18	ug/l	94
29) Tetrahydrofuran	5.18	42	1424	0.82	ug/l	# 60
31) Cyclohexane	5.66	56	4887	0.88	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	19142	3.56	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	25243	4.84	ug/l	# 15
43) Isopropyl Acetate	6.46	43	194384	22.54	ug/l	100
48) Methyl methacrylate	7.69	41	8140	1.87	ug/l	# 22
51) 4-Methyl-2-Pentanone	8.62	43	2772	0.39	ug/l	# 34
54) cis-1,3-Dichloropropene	8.62	75	1461	0.24	ug/l	# 72
59) 2-Hexanone	9.45	43	1698	0.32	ug/l	# 22
74) N-amyl acetate	6.46	43	194384	25.72	ug/l	# 100
76) 1,2,3-Trichloropropane	11.14	75	108952	22.88	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	108952	70.82	ug/l	# 9
95) Naphthalene	13.83	128	835	1.19	ug/l	# 95

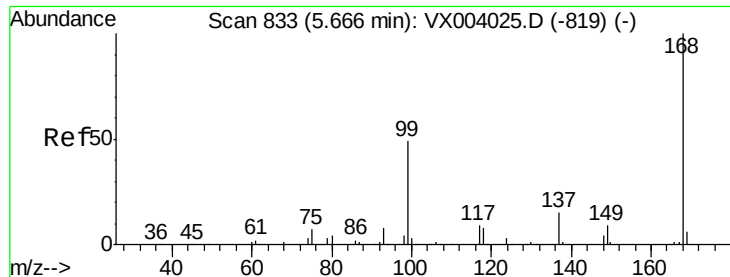
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082118\
Data File : VX004186.D
Acq On : 21 Aug 2018 19:49
Operator : JC/MD
Sample : PB112227ZHE#01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

Quant Time: Aug 22 00:58:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

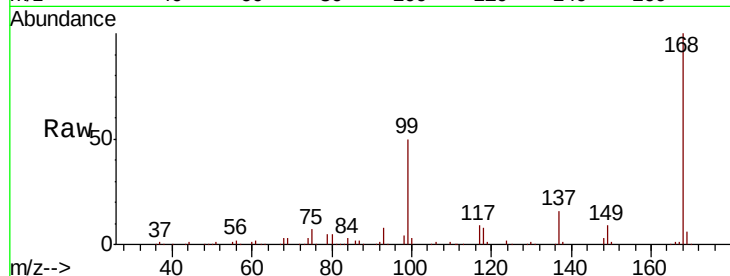
PB112227ZHE#01

Tot Ion:168 Resp: 285715

Ion Ratio Lower Upper

168 100

99 50.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

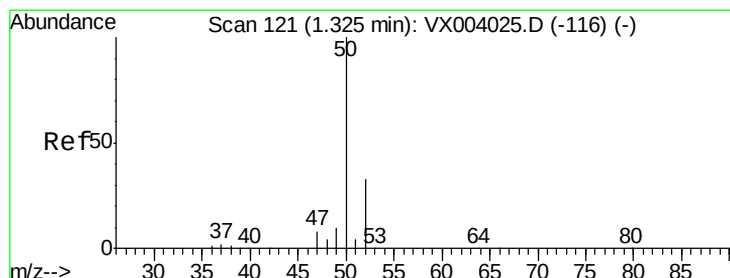
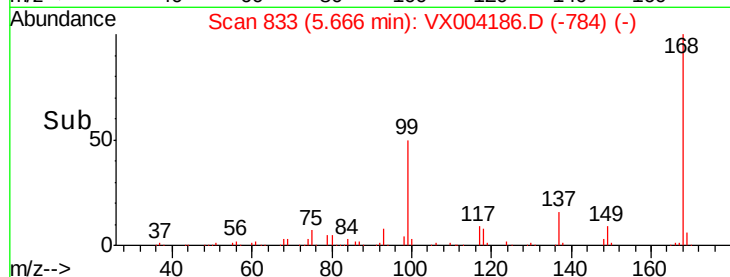
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.46 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004186.D

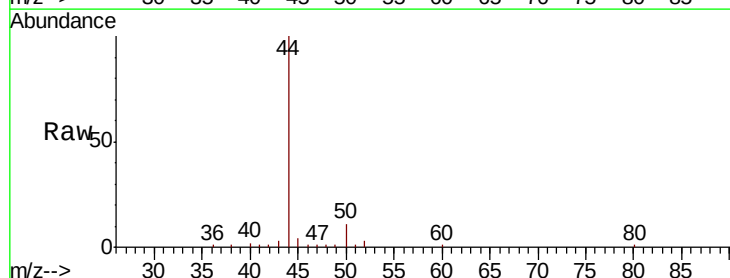
Acq: 21 Aug 2018 19:49

Tgt Ion: 50 Resp: 1571

Ion Ratio Lower Upper

50 100

52 28.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1000

800

600

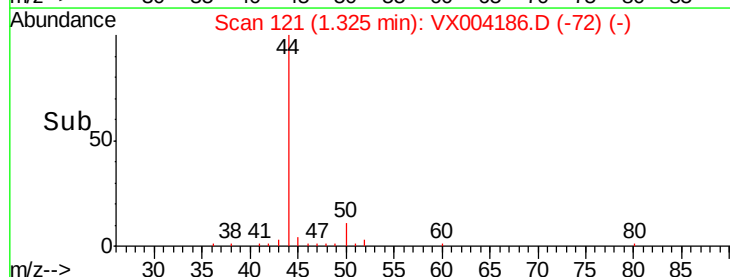
400

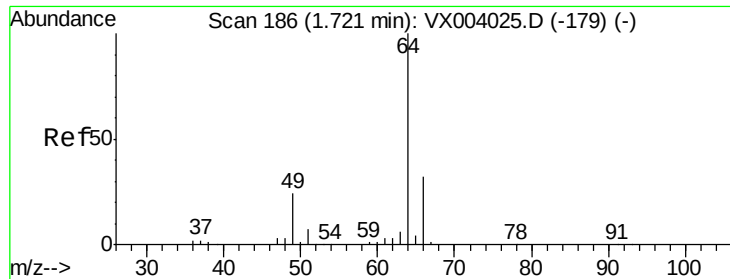
200

0

Time-->

1.30 1.35 1.40





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

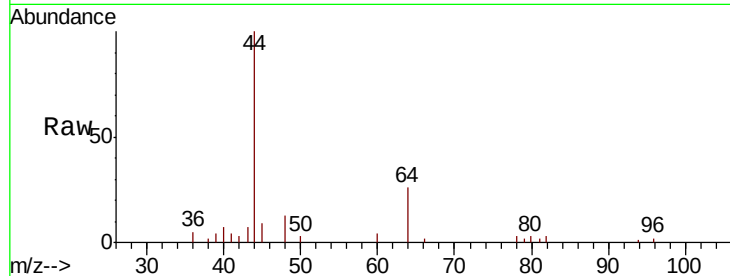
PB112227ZHE#01

Tot Ion: 64 Resp: 1277

Ion Ratio Lower Upper

64 100

66 15.2 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

1000

800

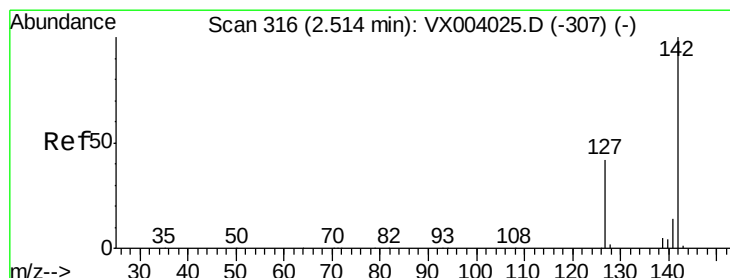
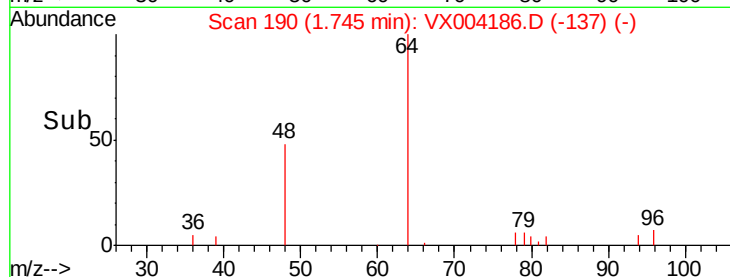
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.06 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

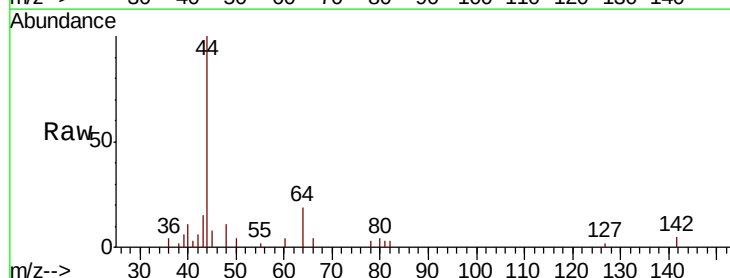
Tgt Ion: 142 Resp: 175

Ion Ratio Lower Upper

142 100

127 12.0 33.1 49.7#

141 0.0 11.1 16.7#



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

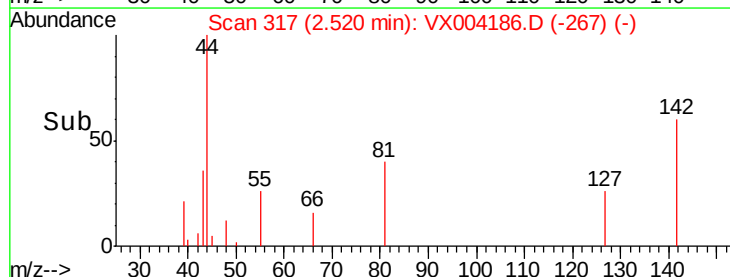
150

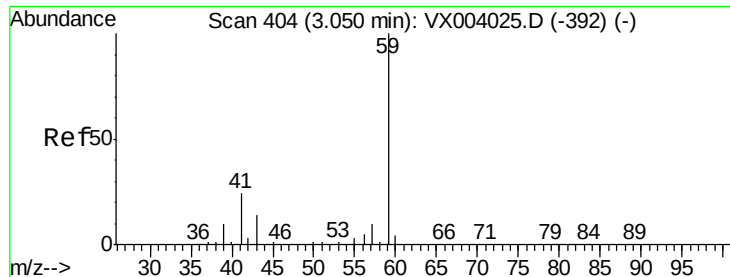
100

50

0

Time-->

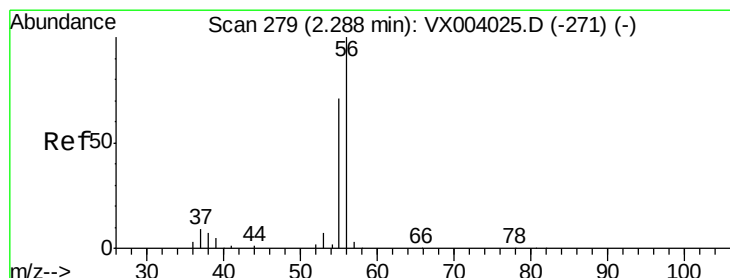
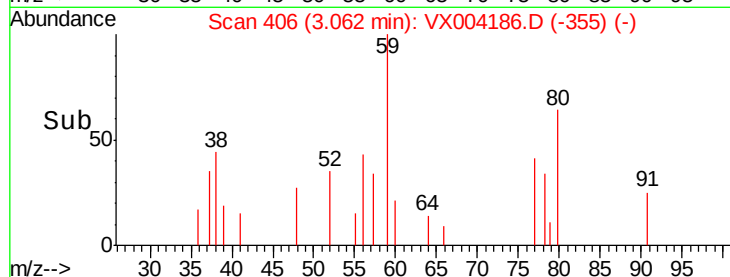
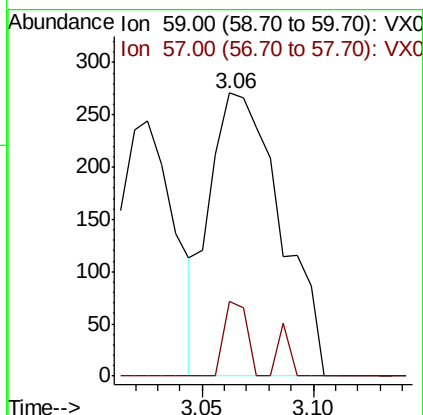
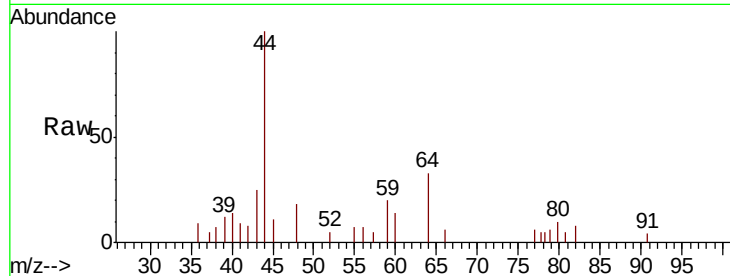




#11
Tert butyl alcohol
Concen: 0.74 ug/l
RT: 3.06 min Scan# 406
Delta R.T. 0.01 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

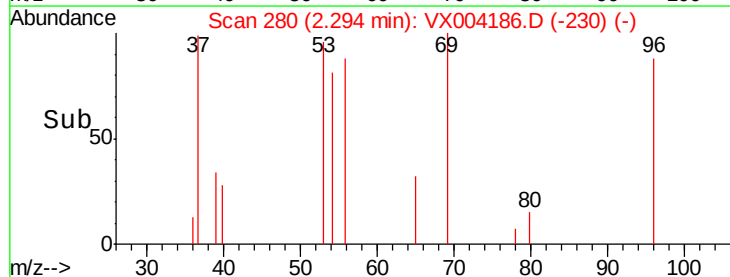
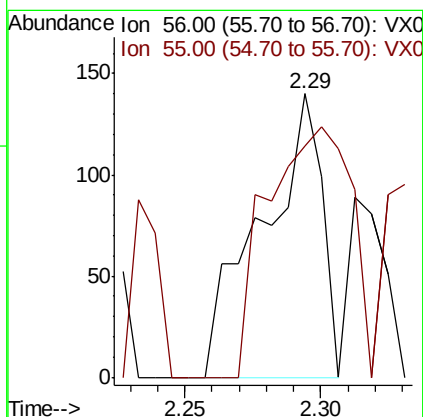
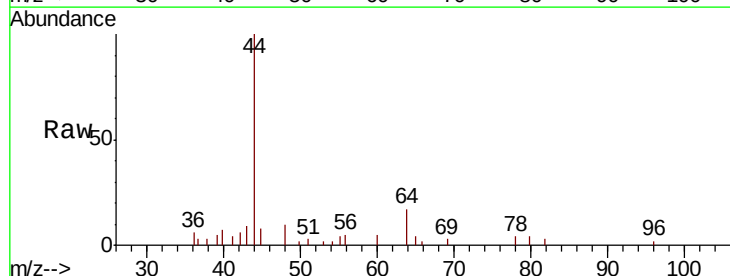
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

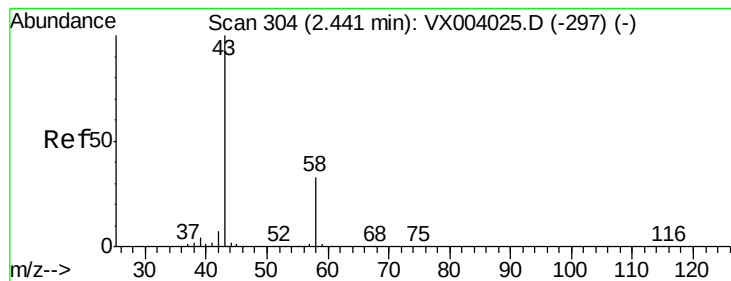
Tot Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 8.4 8.1 12.1



#13
Acrolein
Concen: 11.32 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion: 56 Resp: 215
Ion Ratio Lower Upper
56 100
55 123.3 56.1 84.1#





#16

Acetone

Concen: 9.94 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

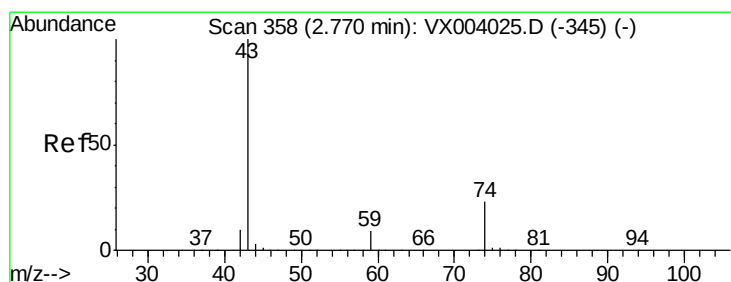
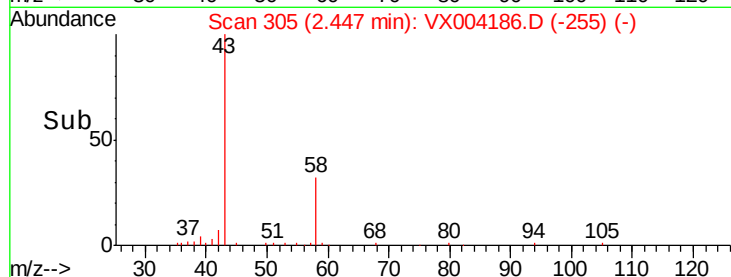
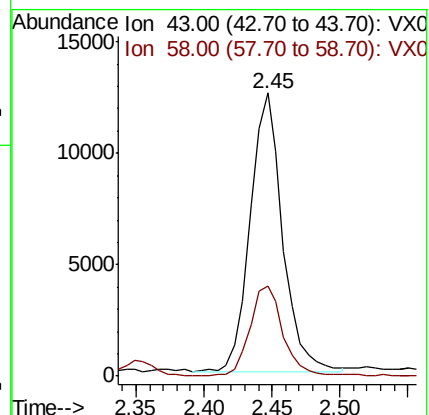
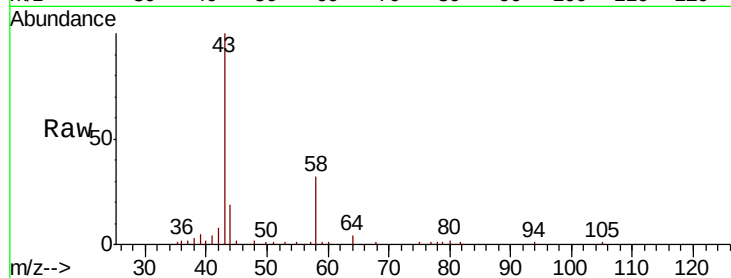
PB112227ZHE#01

Tot Ion: 43 Resp: 20796

Ion Ratio Lower Upper

43 100

58 32.3 26.4 39.6



#18

Methyl Acetate

Concen: 2.00 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.01 min

Lab File: VX004186.D

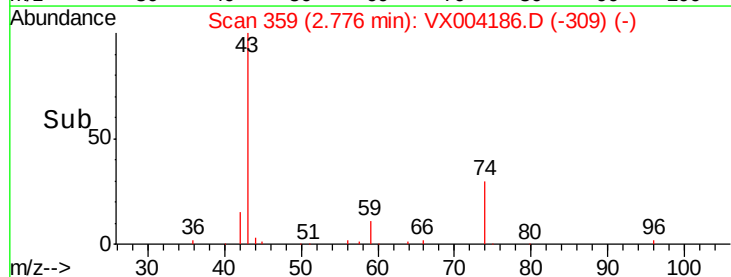
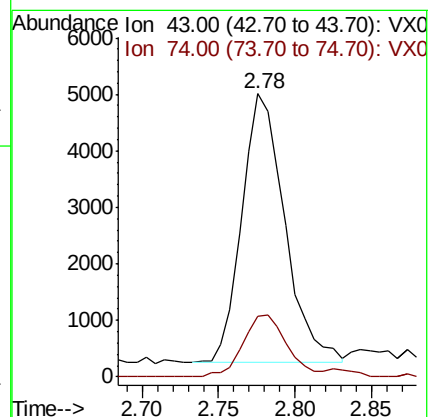
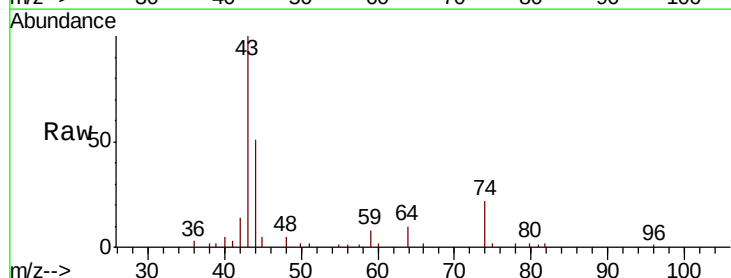
Acq: 21 Aug 2018 19:49

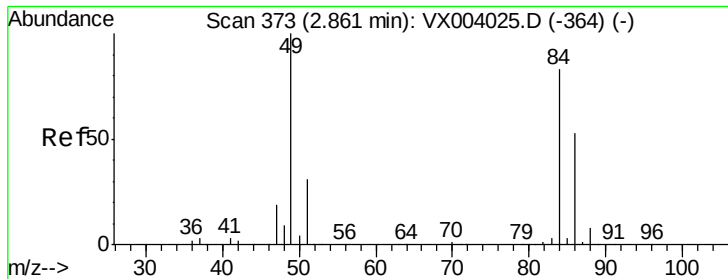
Tgt Ion: 43 Resp: 9280

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3

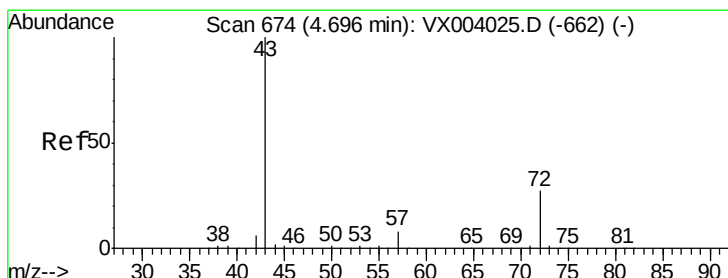
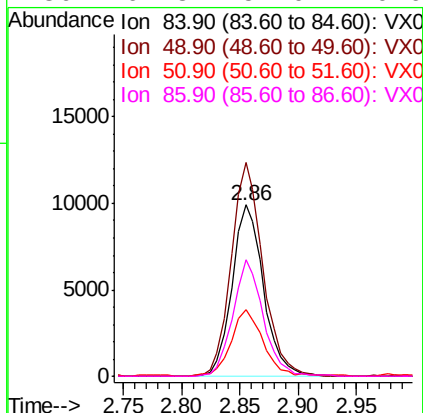
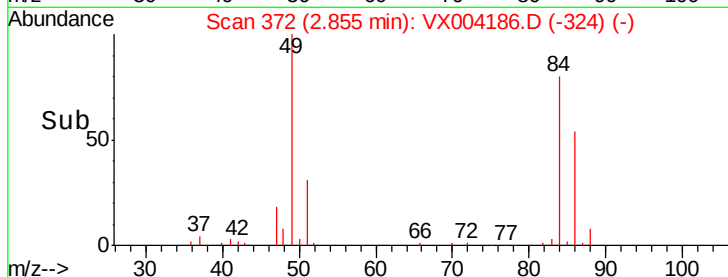
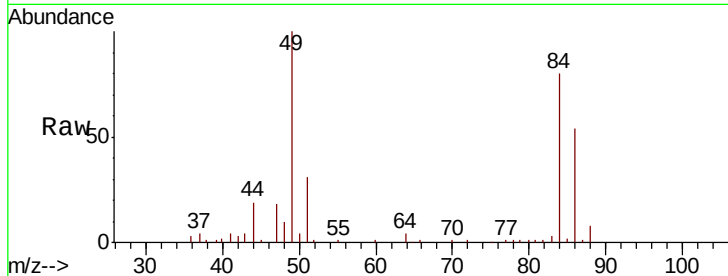




#20
Methylene Chloride
Concen: 4.92 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

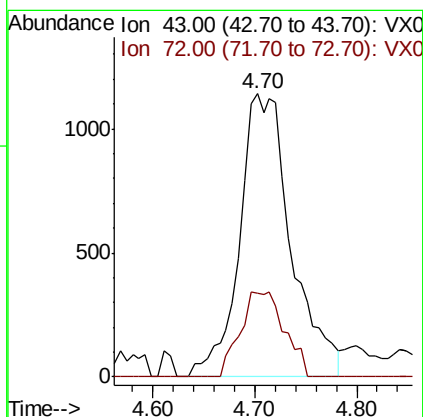
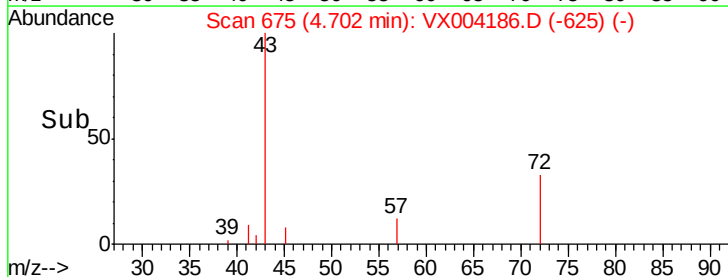
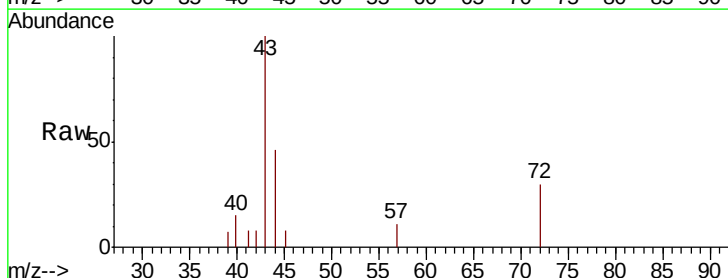
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

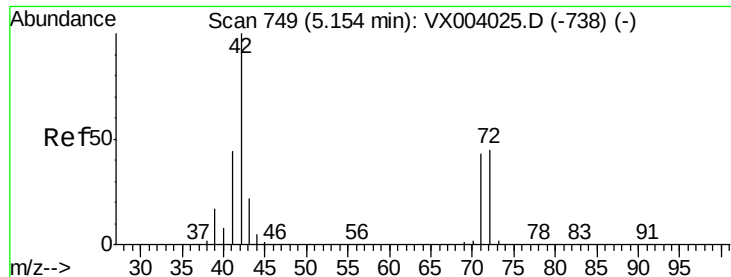
Tot Ion: 84 Resp: 18701
Ion Ratio Lower Upper
84 100
49 124.6 98.9 148.3
51 38.5 29.9 44.9
86 67.8 51.0 76.6



#25
2-Butanone
Concen: 1.18 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion: 43 Resp: 4018
Ion Ratio Lower Upper
43 100
72 29.6 21.4 32.0





#29

Tetrahydrofuran

Concen: 0.82 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.02 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

PB112227ZHE#01

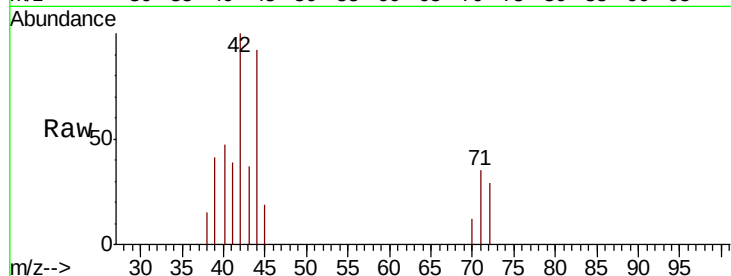
Tot Ion: 42 Resp: 1424

Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

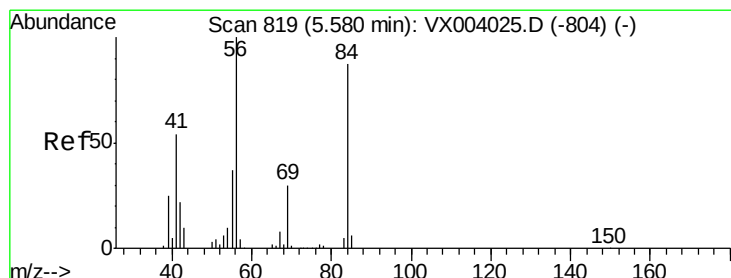
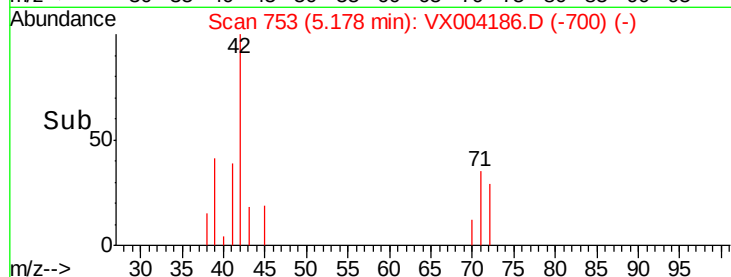
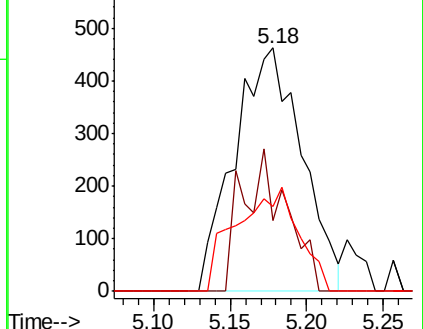
71 39.5 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

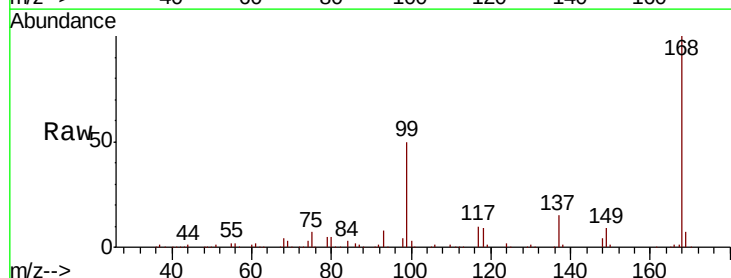
Tgt Ion: 56 Resp: 4887

Ion Ratio Lower Upper

56 100

69 196.1 24.9 37.3#

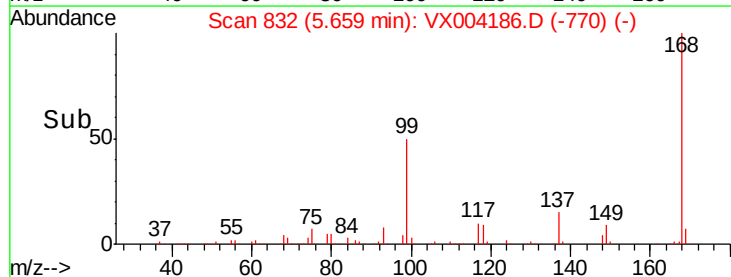
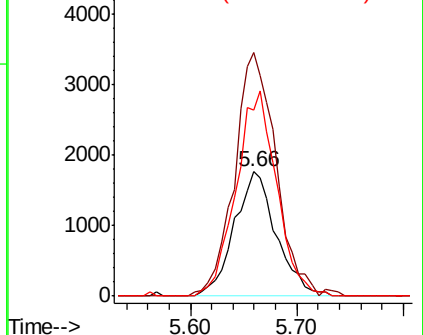
84 149.8 71.7 107.5#

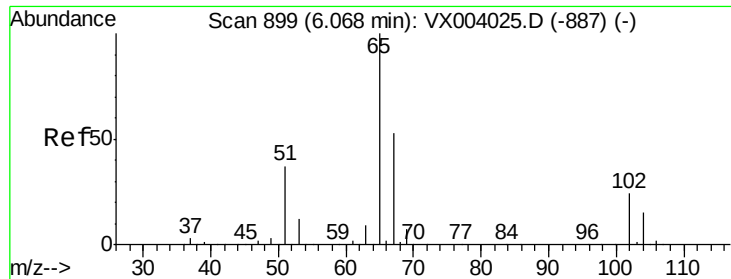


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

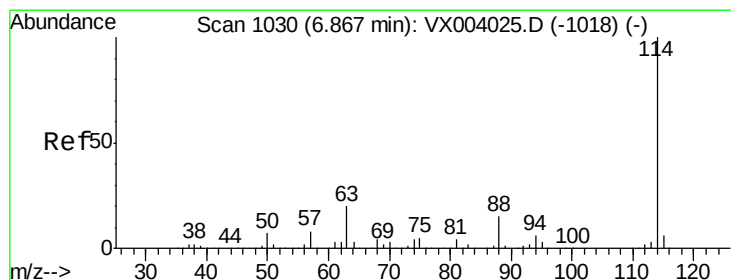
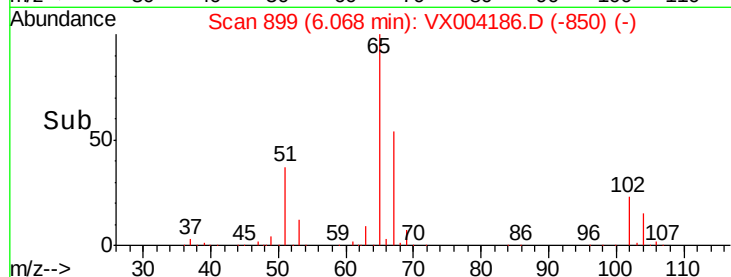
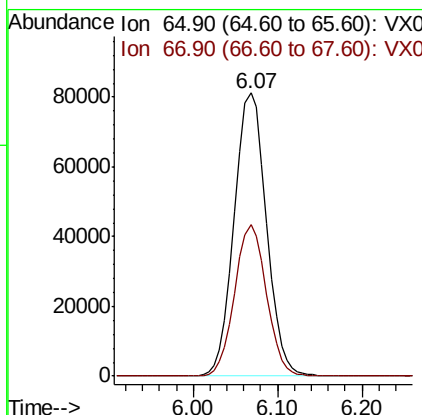
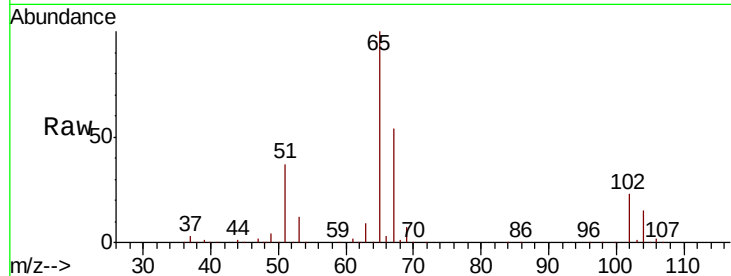




#33
 1,2-Dichloroethane-d4
 Concen: 52.24 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

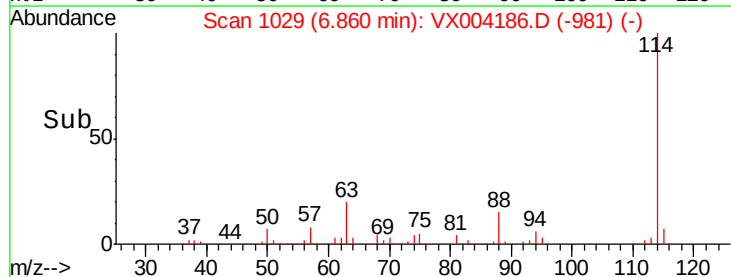
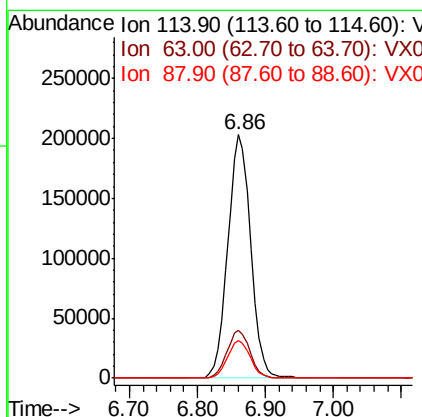
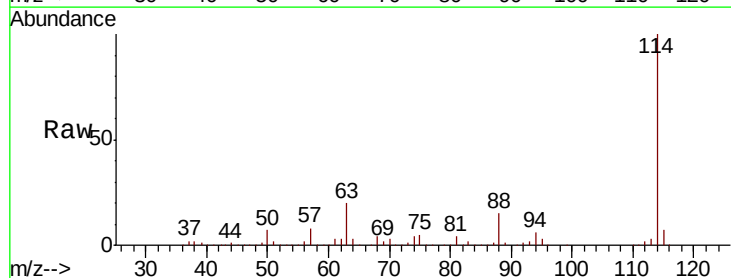
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112227ZHE#01

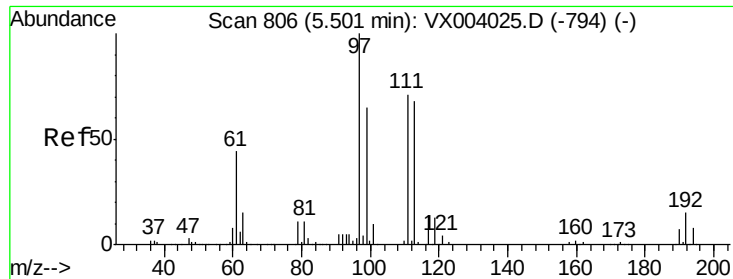
Tot Ion: 65 Resp: 210288
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

Tgt Ion: 114 Resp: 472189
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.3 0.0 32.0

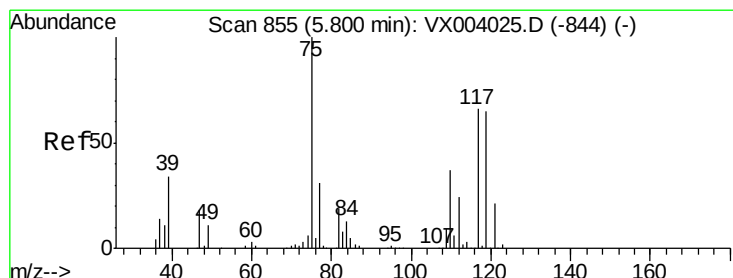
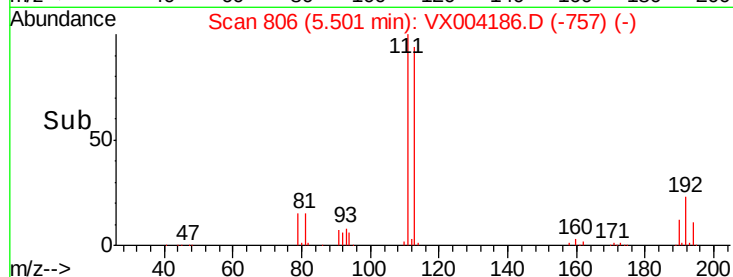
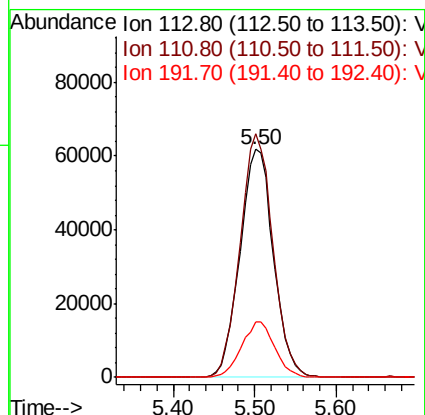
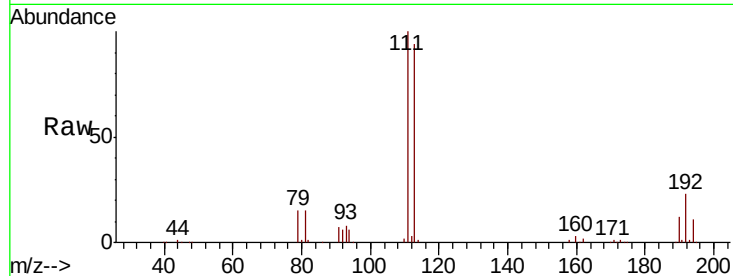




#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

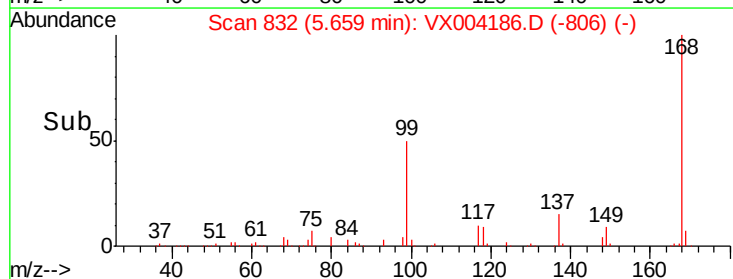
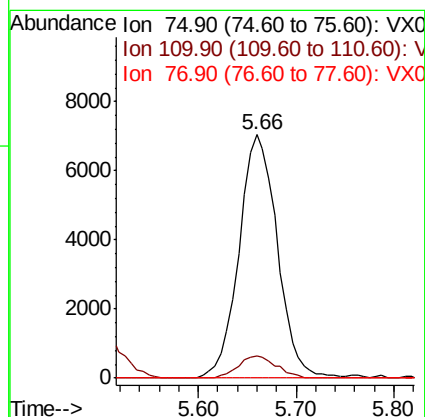
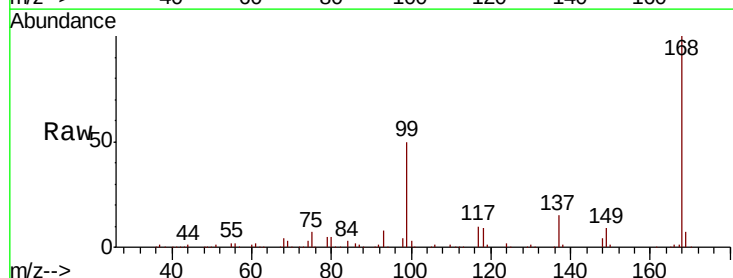
Instrument :
 MSVOA_X
 ClientSampleId :
 PB112227ZHE#01

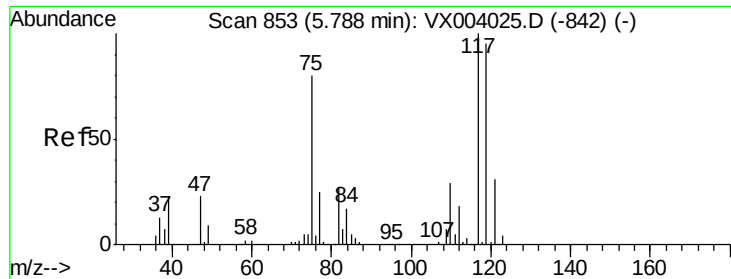
Tot Ion:113 Resp: 176203
 Ion Ratio Lower Upper
 113 100
 111 104.6 82.0 123.0
 192 24.0 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.56 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

Tgt Ion: 75 Resp: 19142
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.2 54.6#
 77 0.0 25.0 37.4#

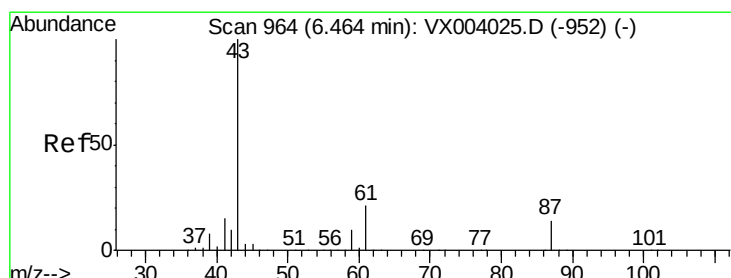
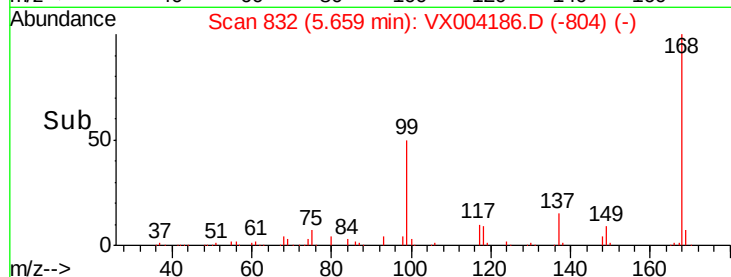
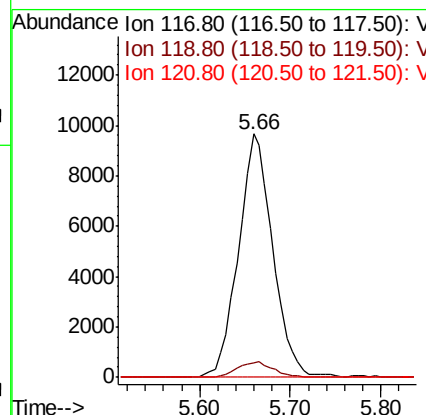
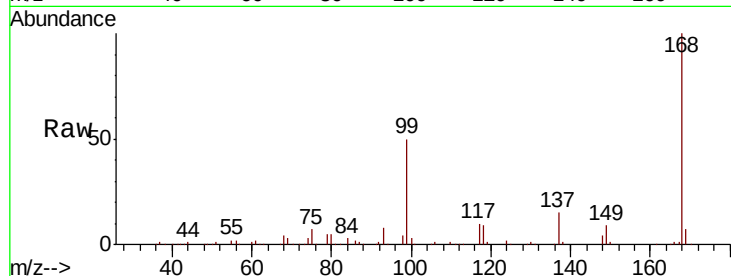




#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.13 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

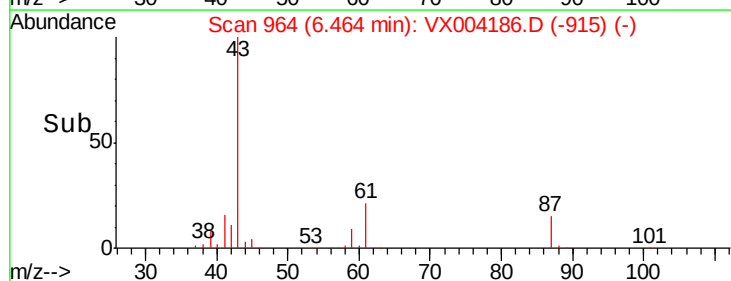
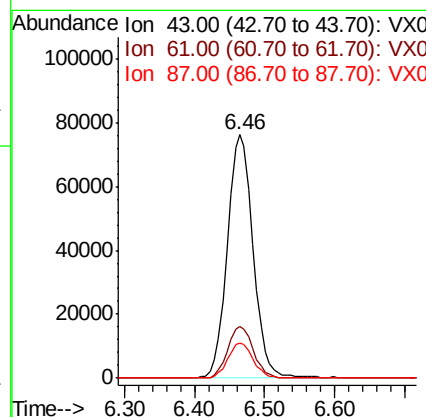
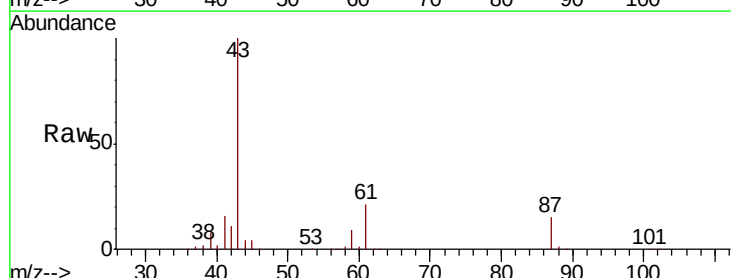
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

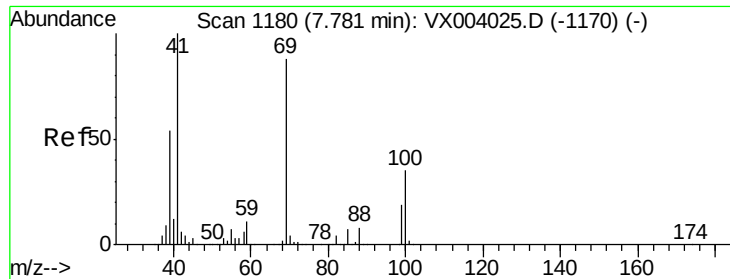
Tot Ion:117 Resp: 25243
Ion Ratio Lower Upper
117 100
119 5.8 79.5 119.3#
121 0.0 25.0 37.4#



#43
Isopropyl Acetate
Concen: 22.54 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion: 43 Resp: 194384
Ion Ratio Lower Upper
43 100
61 21.0 16.9 25.3
87 14.2 11.3 16.9

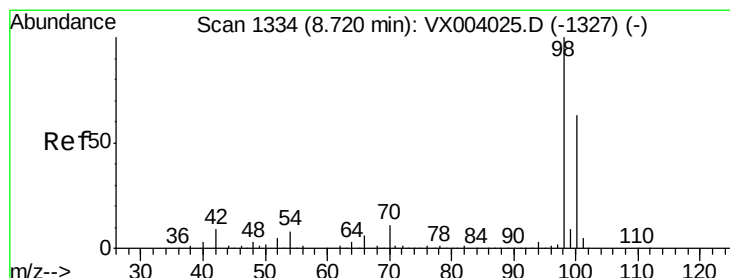
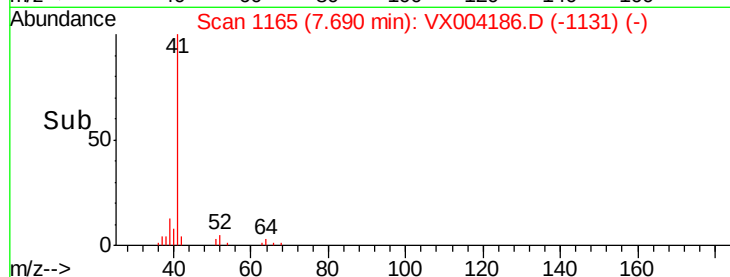
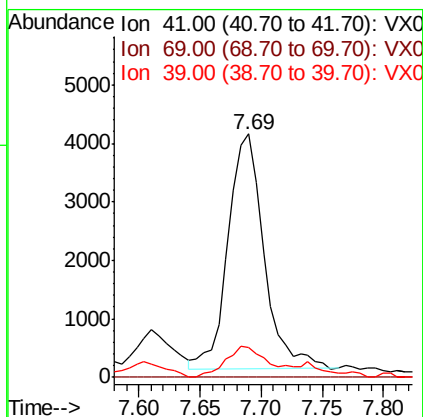
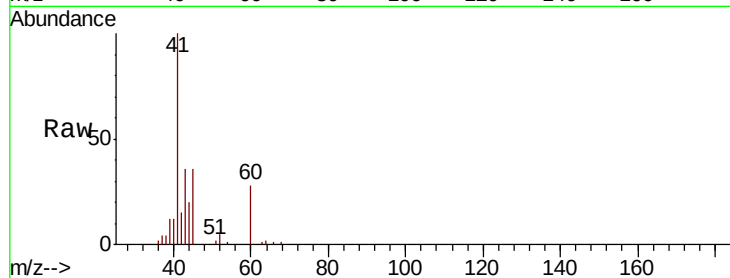




#48
Methyl methacrylate
Concen: 1.87 ug/l
RT: 7.69 min Scan# 1165
Delta R.T. -0.09 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

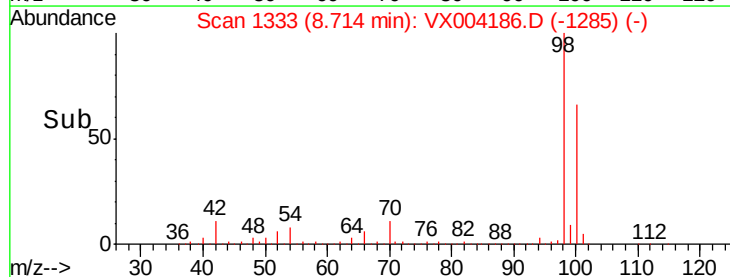
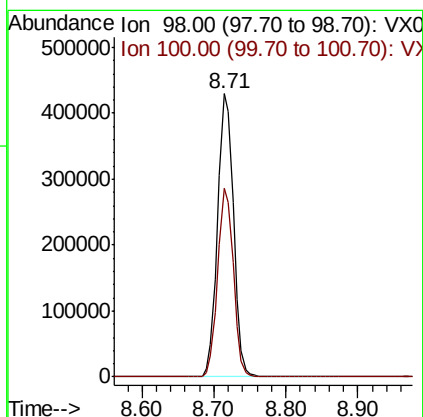
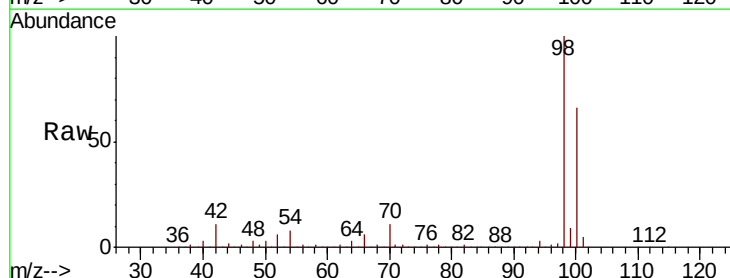
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

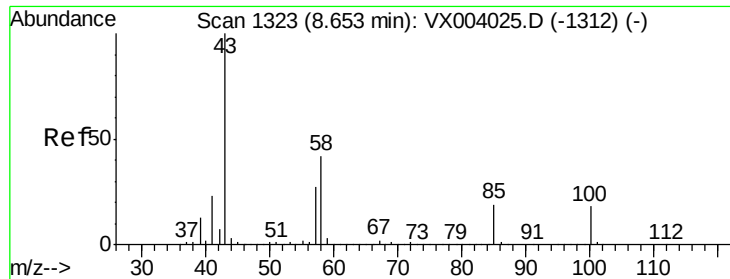
Tot Ion: 41 Resp: 8140
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 16.2 42.3 63.5#



#50
Toluene-d8
Concen: 45.92 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion: 98 Resp: 658016
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 0.39 ug/l

RT: 8.62 min Scan# 1318

Delta R.T. -0.03 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

Instrument :

MSVOA_X

ClientSampleId :

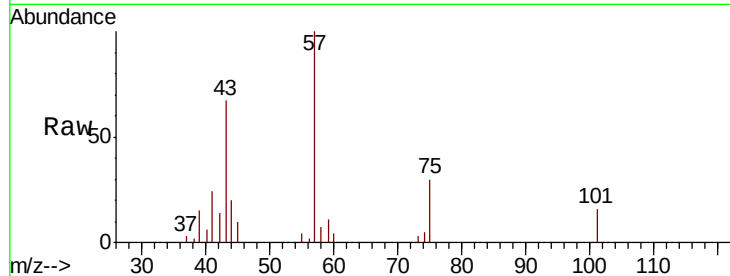
PB112227ZHE#01

Tot Ion: 43 Resp: 2772

Ion Ratio Lower Upper

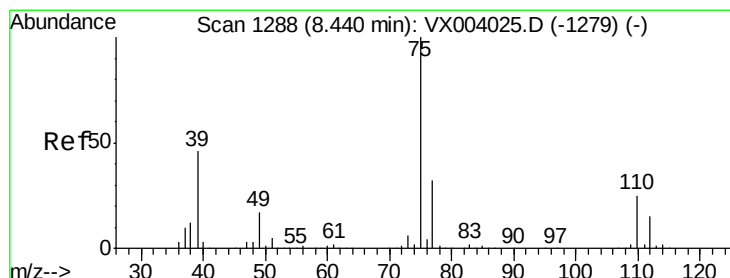
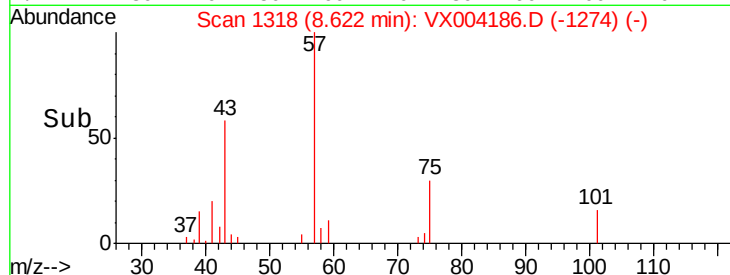
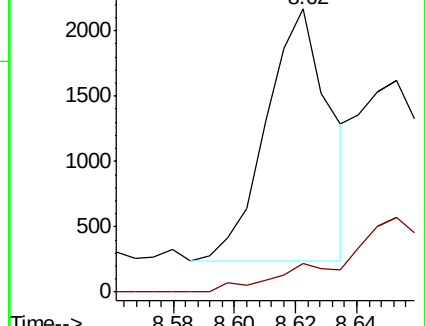
43 100

58 0.0 33.0 49.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.24 ug/l

RT: 8.62 min Scan# 1318

Delta R.T. 0.18 min

Lab File: VX004186.D

Acq: 21 Aug 2018 19:49

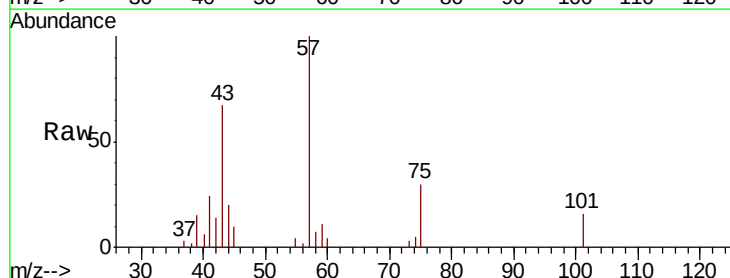
Tgt Ion: 75 Resp: 1461

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

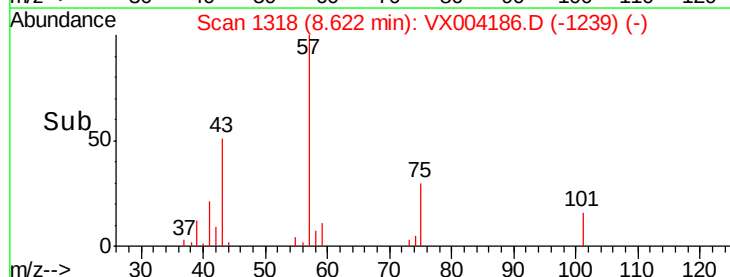
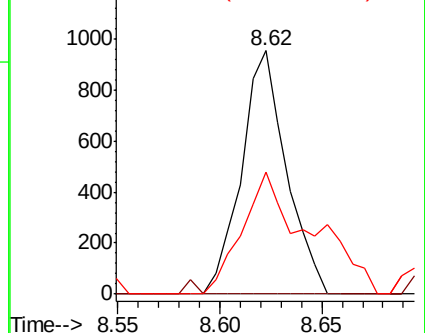
39 50.3 36.2 54.2

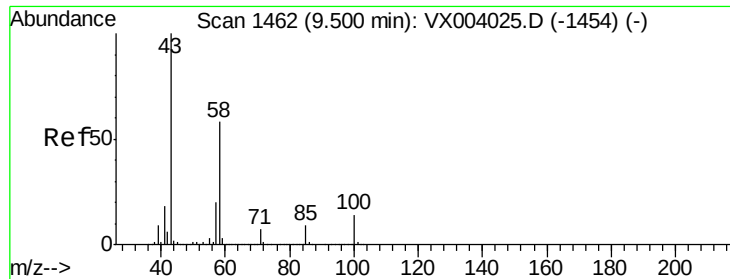


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

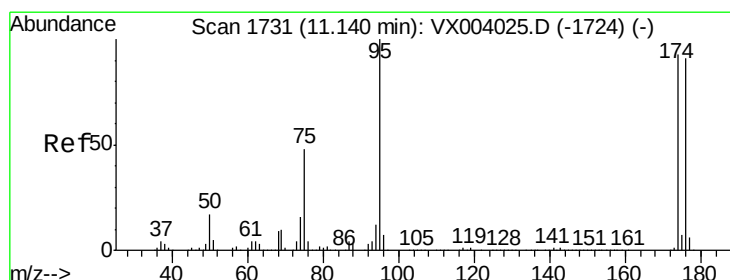
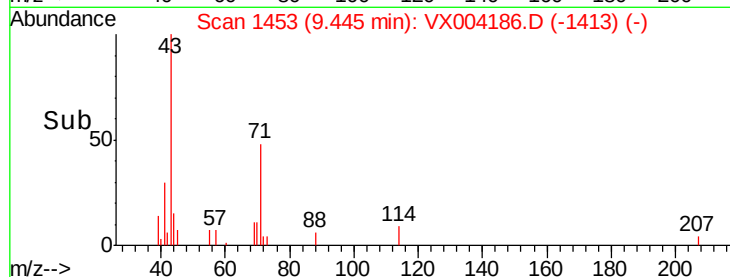
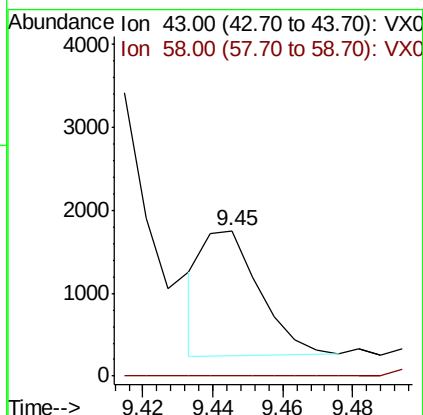
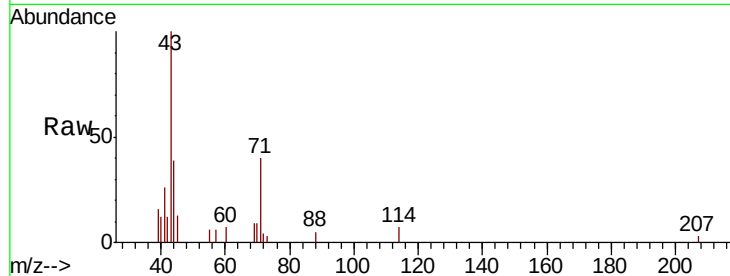




#59
2-Hexanone
Concen: 0.32 ug/l
RT: 9.45 min Scan# 1453
Delta R.T. -0.05 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

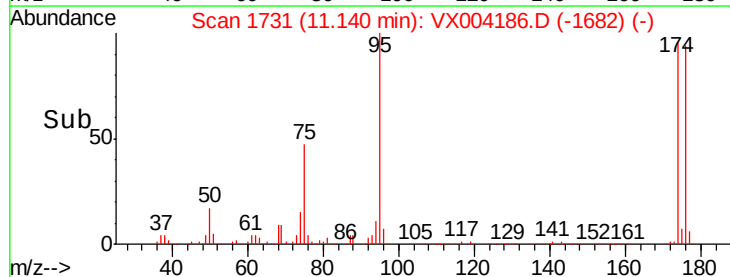
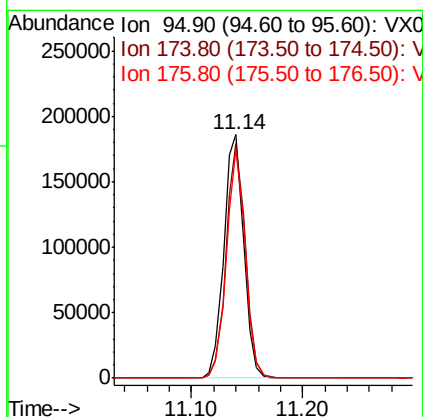
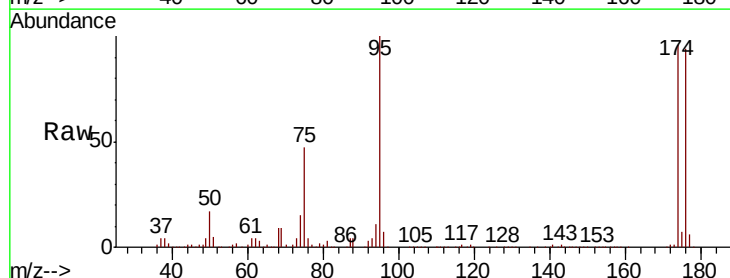
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

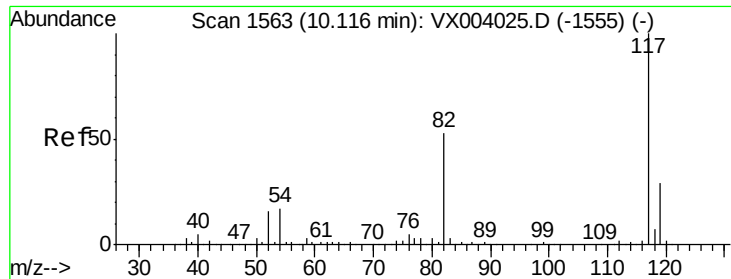
Tot Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 0.0 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 44.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion: 95 Resp: 229320
Ion Ratio Lower Upper
95 100
174 93.1 0.0 182.8
176 88.5 0.0 179.0

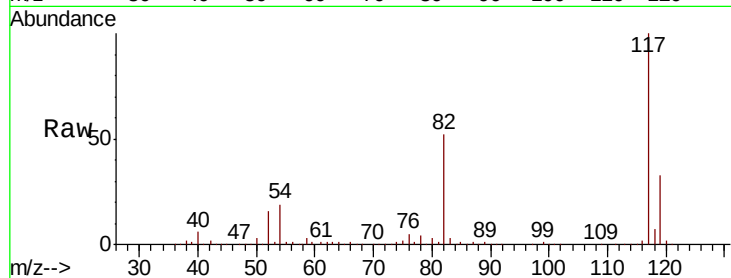




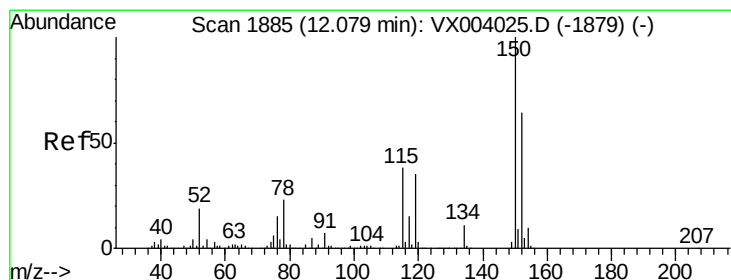
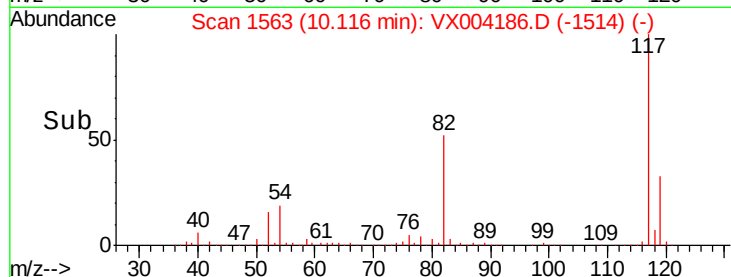
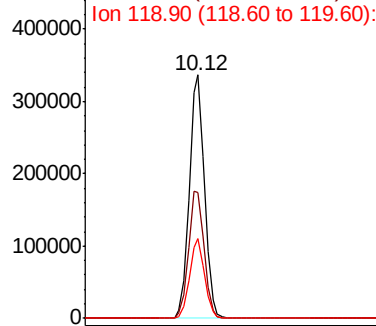
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

Tot Ion:117 Resp: 450158
Ion Ratio Lower Upper
117 100
82 51.8 45.4 68.0
119 32.7 26.6 40.0

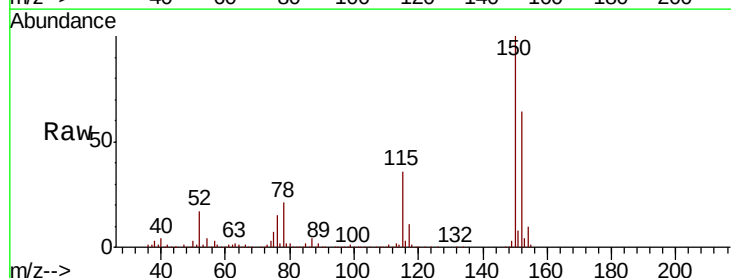


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

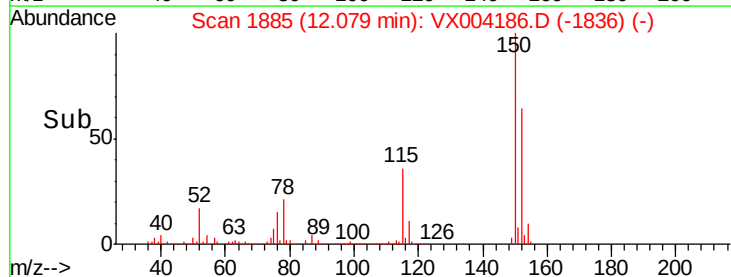
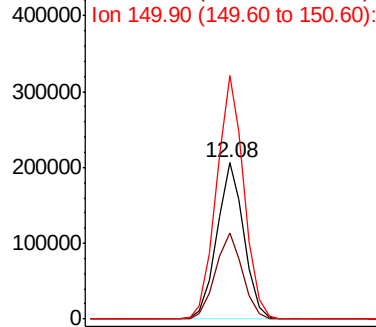


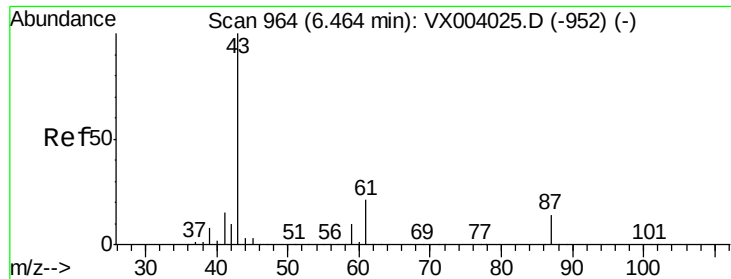
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion:152 Resp: 237469
Ion Ratio Lower Upper
152 100
115 55.5 39.1 117.3
150 158.2 0.0 349.2



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

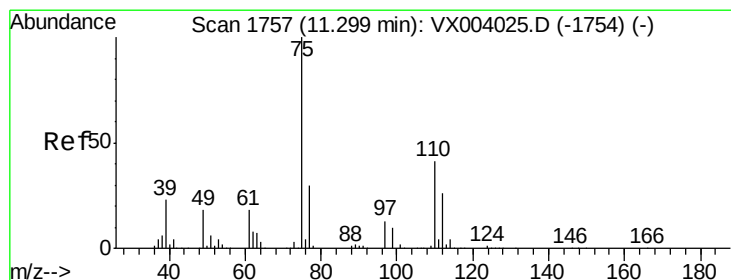
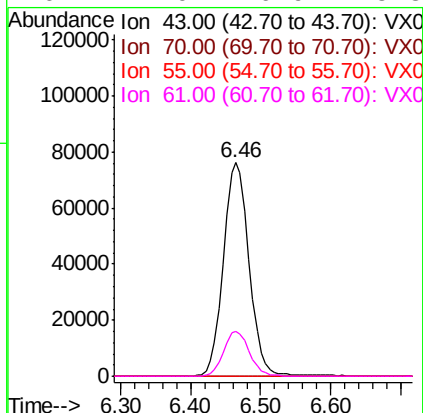
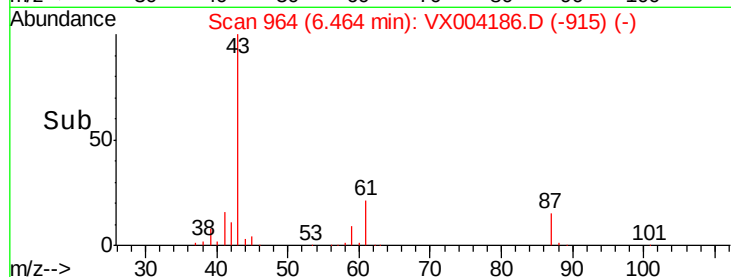
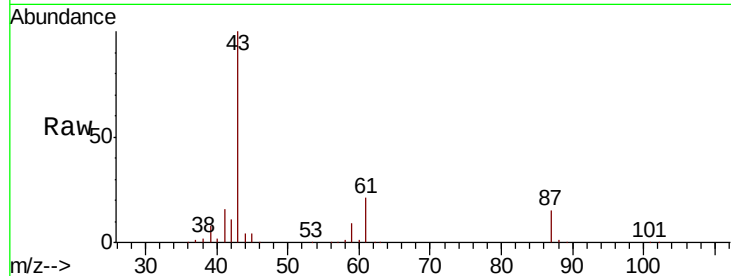




#74
N-amvl acetate
Concen: 25.72 ug/l
RT: 6.46 min Scan# 964
Delta R.T. -0.00 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

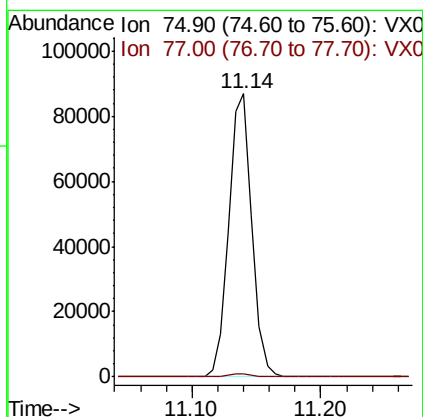
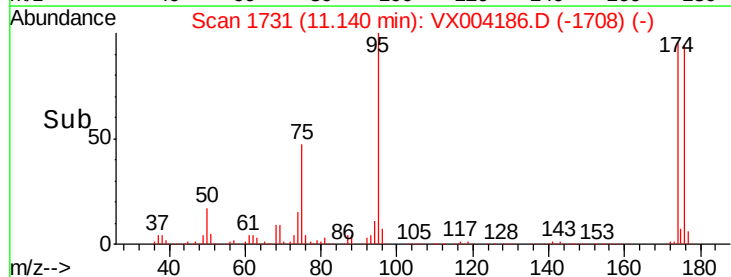
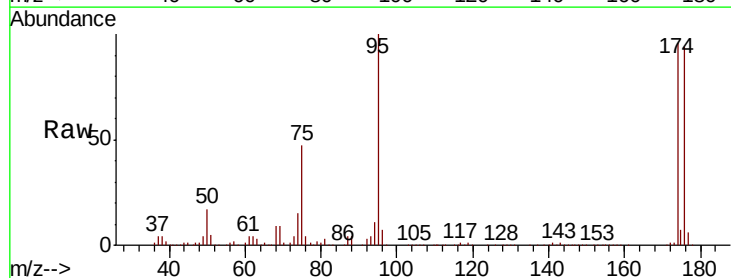
Instrument :
MSVOA_X
ClientSampleId :
PB112227ZHE#01

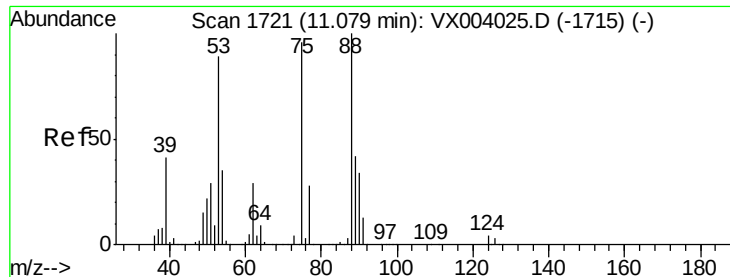
Tot Ion:	43	Resp:	194384
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.1	0.1#
61	21.0	16.9	25.3



#76
1,2,3-Trichloropropane
Concen: 22.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX004186.D
Acq: 21 Aug 2018 19:49

Tgt Ion:	75	Resp:	108952
Ion	Ratio	Lower	Upper
75	100		
77	1.3	20.8	62.5#

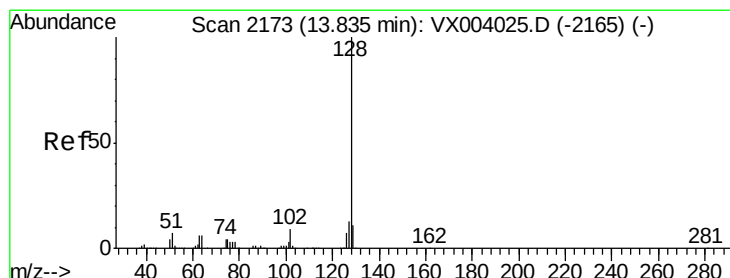
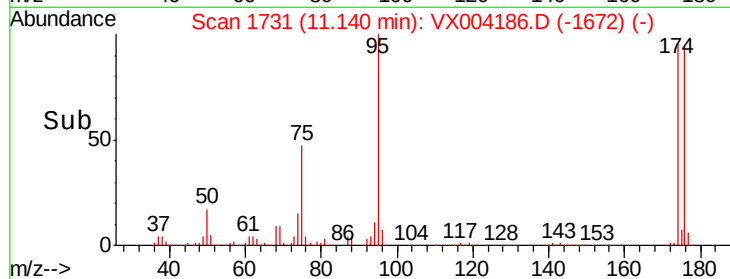
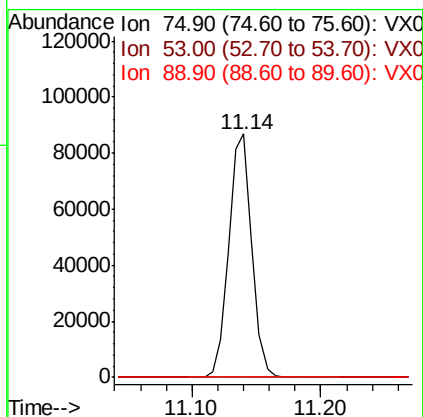
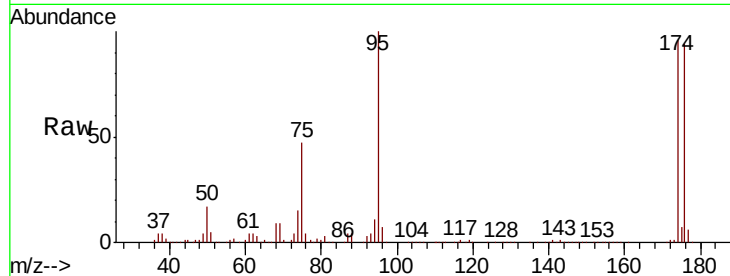




#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.82 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB112227ZHE#01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.1	80.3	120.5#
89	0.0	37.8	56.8#



#95
 Naphthalene
 Concen: 1.19 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX004186.D
 Acq: 21 Aug 2018 19:49

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	8.5	8.8	13.2#

