

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004083.D
 Acq On : 15 Aug 2018 20:01
 Operator : JC/MD
 Sample : J4473-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180813

Quant Time: Aug 16 05:53:18 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	255543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191057	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	182874	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
35) Dibromofluoromethane	5.51	113	149162	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	8.72	98	549790	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
62) 4-Bromofluorobenzene	11.14	95	184066	43.55	ug/l	0.00
Spiked Amount			Recovery	=	87.10%	

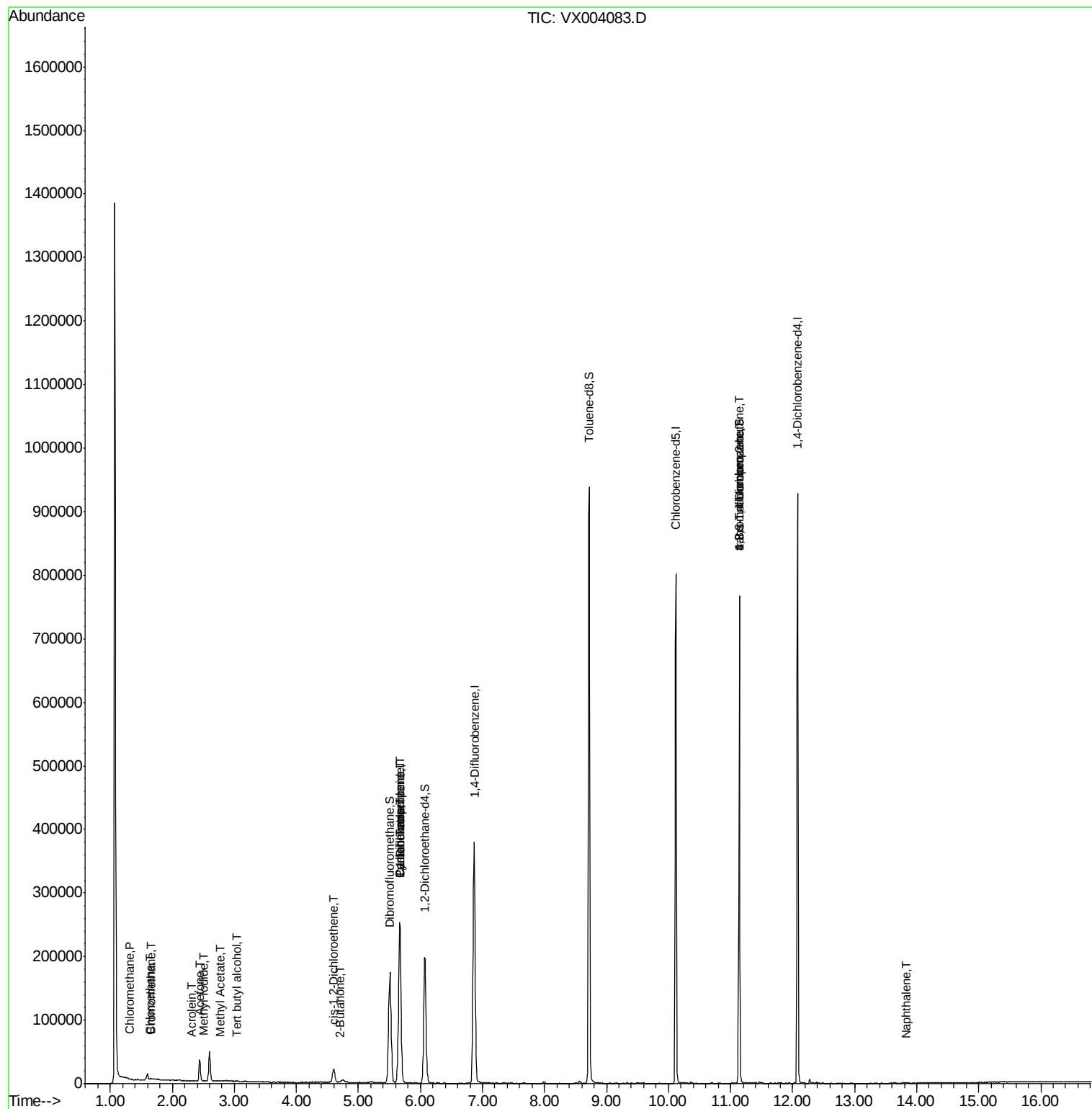
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	883	0.29	ug/l	98
5) Bromomethane	1.65	94	941	0.38	ug/l	92
6) Chloroethane	1.63	64	4424	0.27	ug/l #	57
10) Methyl Iodide	2.51	142	578	5.18	ug/l #	95
11) Tert butyl alcohol	3.04	59	1422	1.96	ug/l	99
13) Acrolein	2.30	56	42	11.03	ug/l #	1
16) Acetone	2.44	43	36650	19.58	ug/l	97
18) Methyl Acetate	2.78	43	858	0.21	ug/l #	62
20) Methylene Chloride	2.86	84	675	Below Cal		94
25) 2-Butanone	4.70	43	869	0.29	ug/l #	48
27) cis-1,2-Dichloroethene	4.60	96	13389	3.90	ug/l	99
31) Cyclohexane	5.67	56	4743	0.95	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17497	4.00	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23050	5.43	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	89439	23.34	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	89439	72.26	ug/l #	9
95) Naphthalene	13.84	128	297	1.17	ug/l #	69

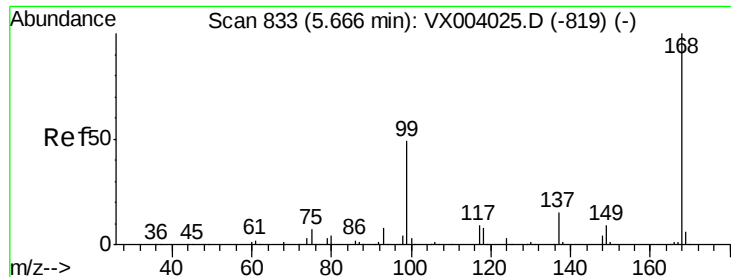
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
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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: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

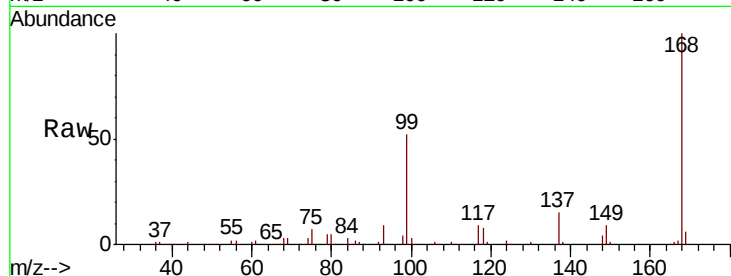
KY038PS036-180813

Tot Ion:168 Resp: 255543

Ion Ratio Lower Upper

168 100

99 52.0 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

100000

80000

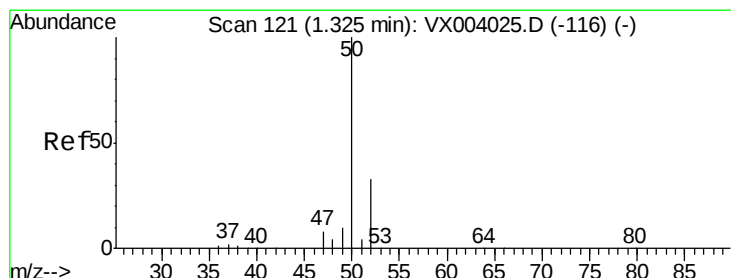
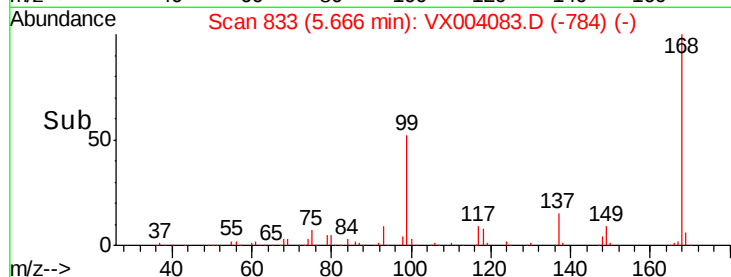
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.29 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX004083.D

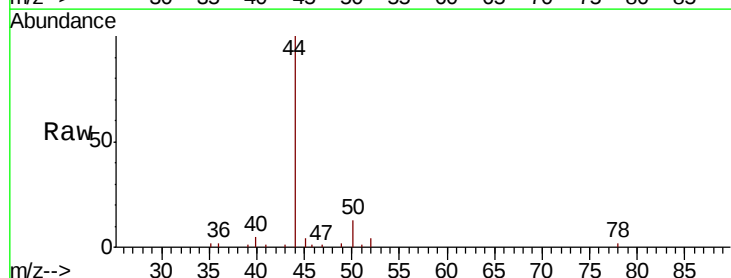
Acq: 15 Aug 2018 20:01

Tgt Ion: 50 Resp: 883

Ion Ratio Lower Upper

50 100

52 34.4 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

800

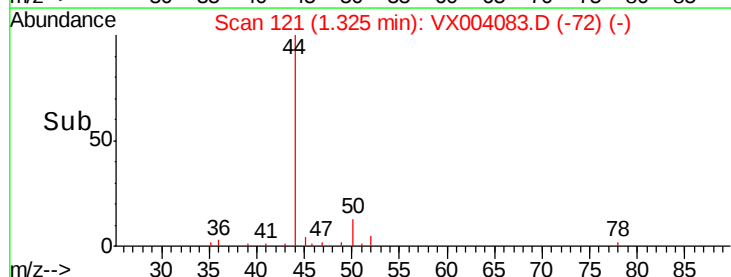
600

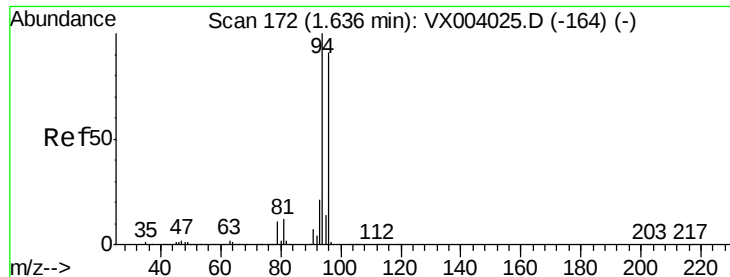
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.38 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

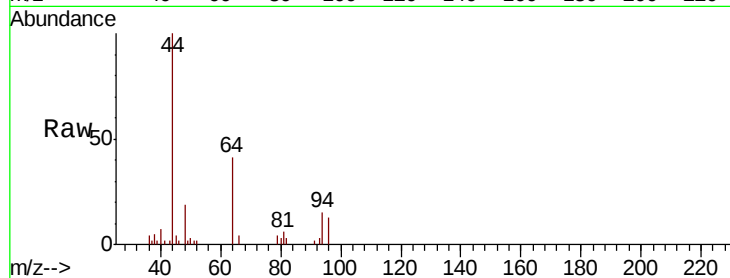
KY038PS036-180813

Tot Ion: 94 Resp: 941

Ion Ratio Lower Upper

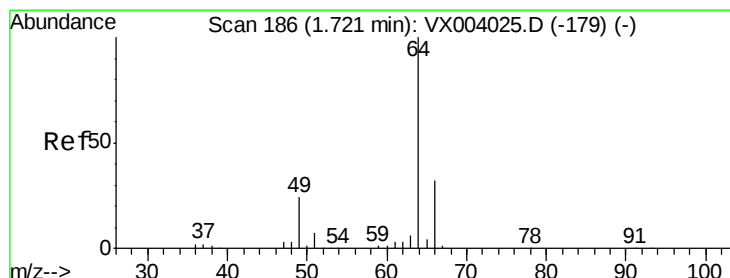
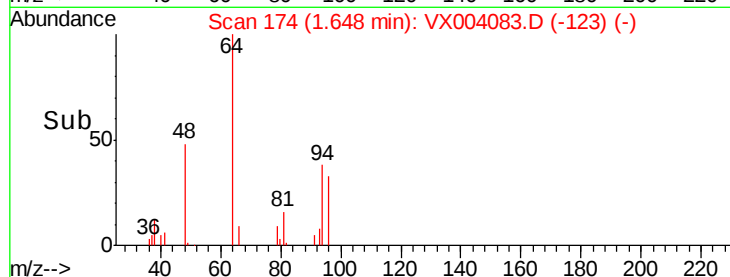
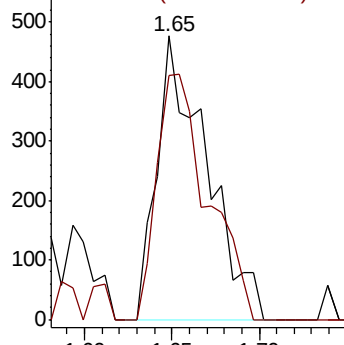
94 100

96 86.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.27 ug/l

RT: 1.63 min Scan# 171

Delta R.T. -0.09 min

Lab File: VX004083.D

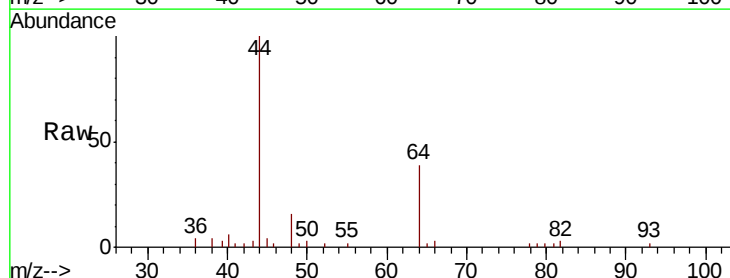
Acq: 15 Aug 2018 20:01

Tgt Ion: 64 Resp: 4424

Ion Ratio Lower Upper

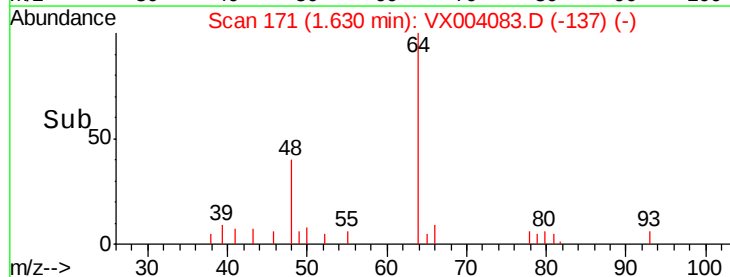
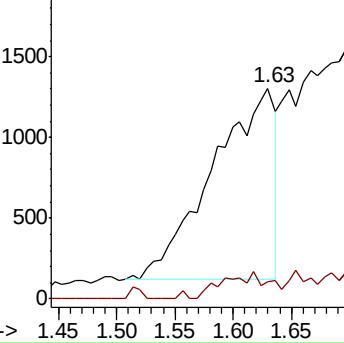
64 100

66 8.9 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

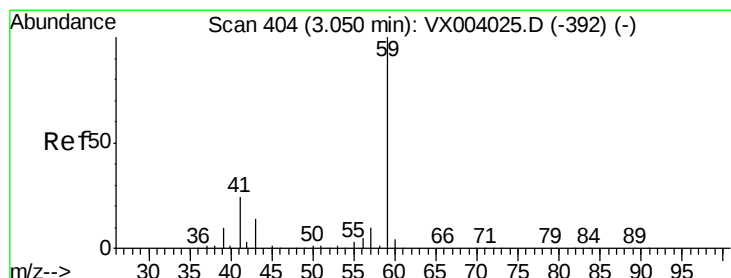
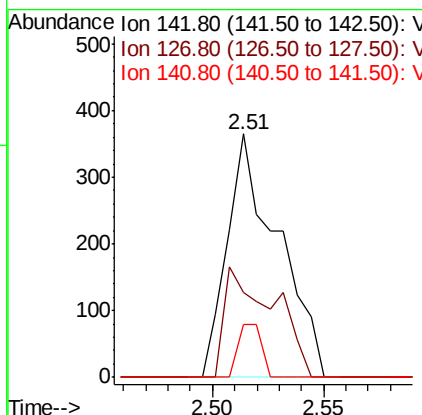
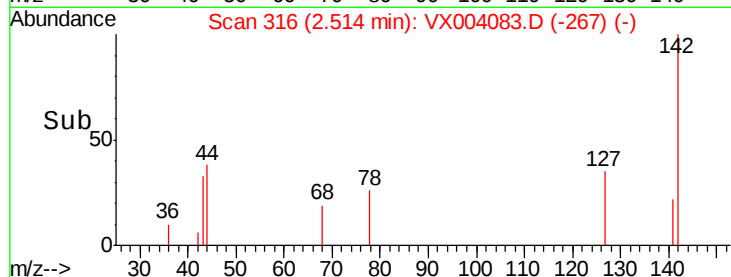
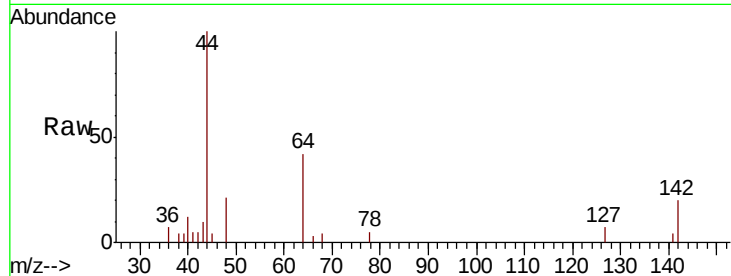




#10
Methvl Iodide
Concen: 5.18 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

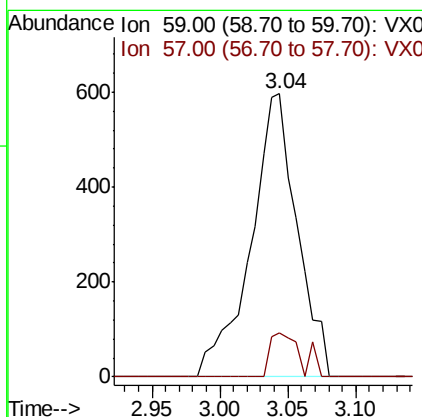
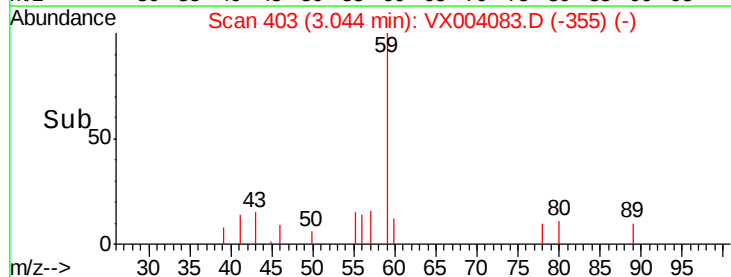
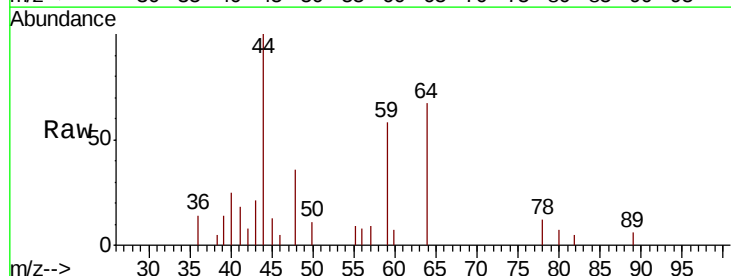
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180813

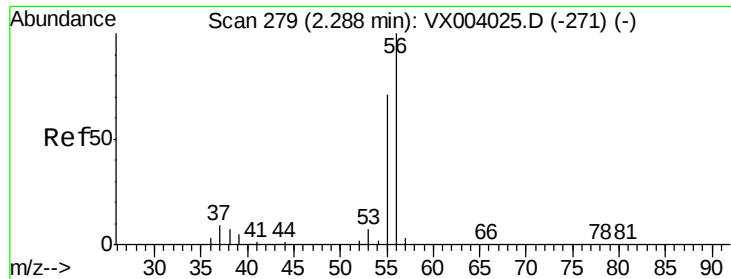
Tot Ion:142 Resp: 578
Ion Ratio Lower Upper
142 100
127 43.9 33.1 49.7
141 10.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 1.96 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

Tgt Ion: 59 Resp: 1422
Ion Ratio Lower Upper
59 100
57 10.4 8.1 12.1





#13

Acrolein

Concen: 11.03 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

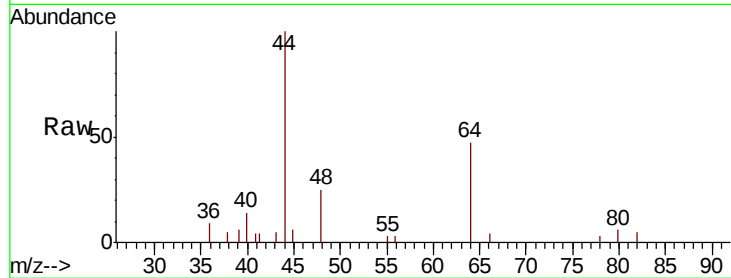
KY038PS036-180813

Tot Ion: 56 Resp: 42

Ion Ratio Lower Upper

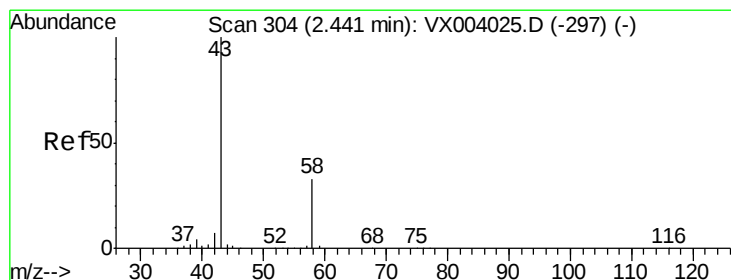
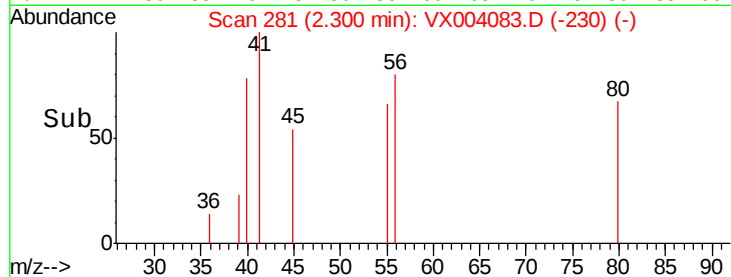
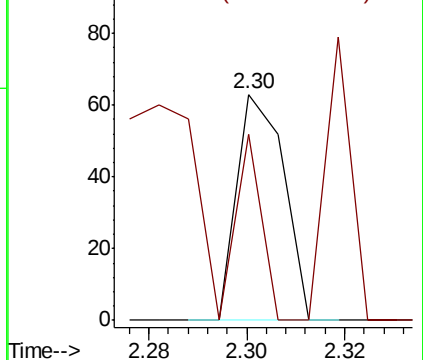
56 100

55 242.9 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 19.58 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004083.D

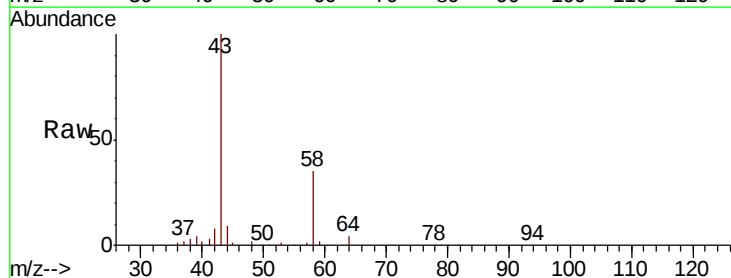
Acq: 15 Aug 2018 20:01

Tgt Ion: 43 Resp: 36650

Ion Ratio Lower Upper

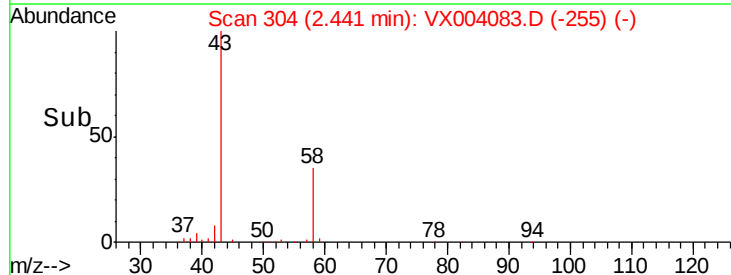
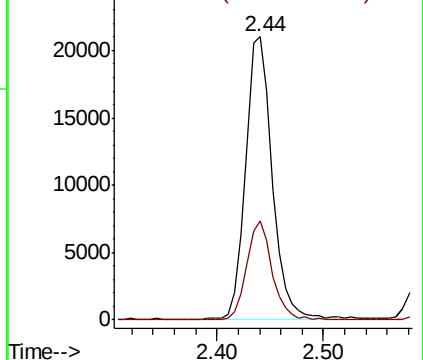
43 100

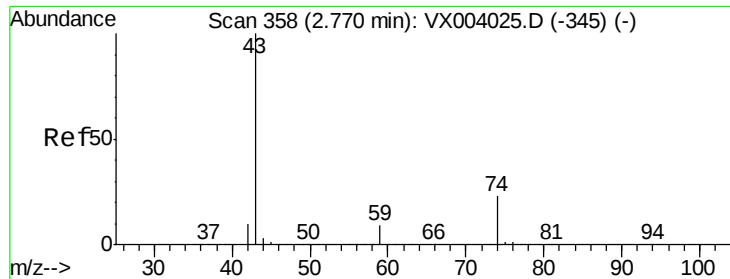
58 35.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

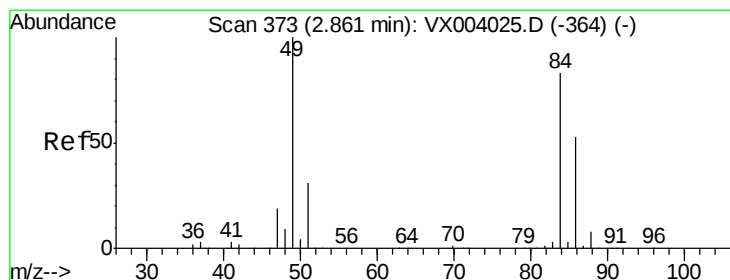
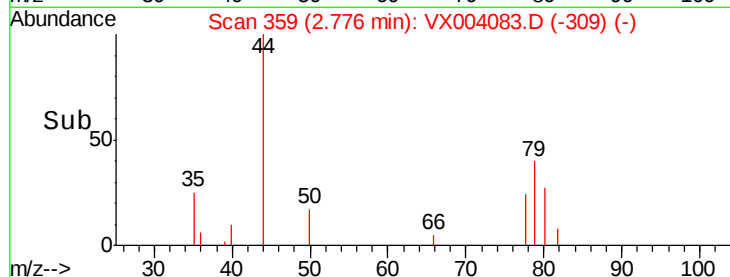
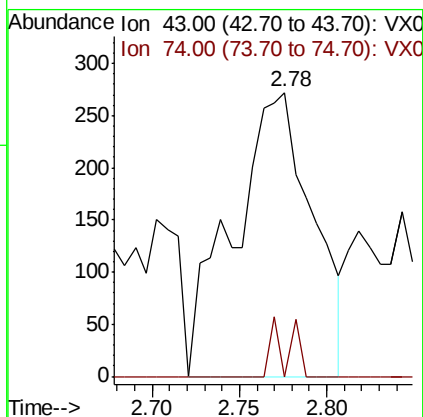
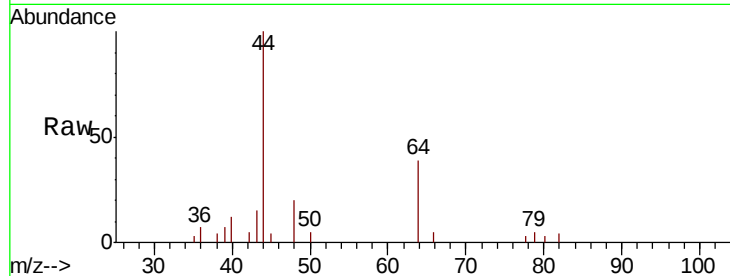




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.78 min Scan# 359
Delta R.T. 0.01 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

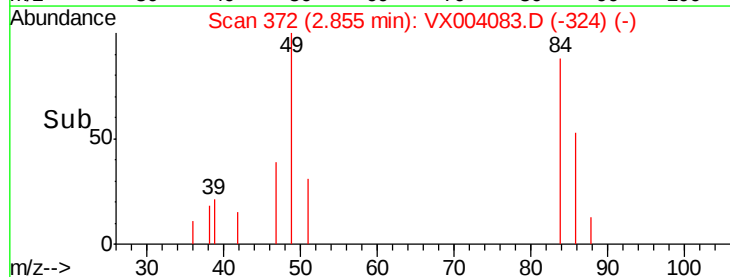
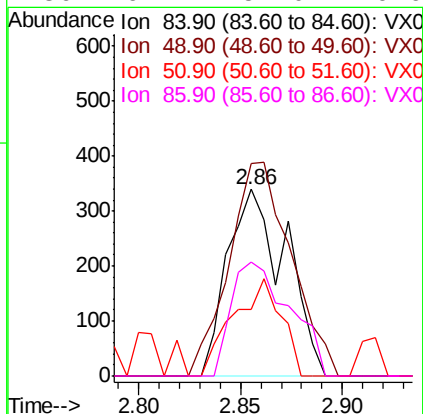
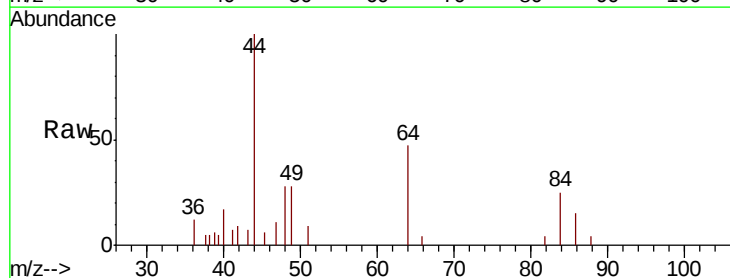
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180813

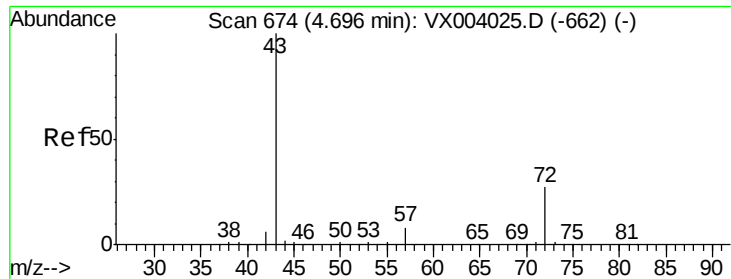
Tot Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
74 4.8 18.9 28.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

Tgt Ion: 84 Resp: 675
Ion Ratio Lower Upper
84 100
49 114.2 98.9 148.3
51 35.4 29.9 44.9
86 61.1 51.0 76.6

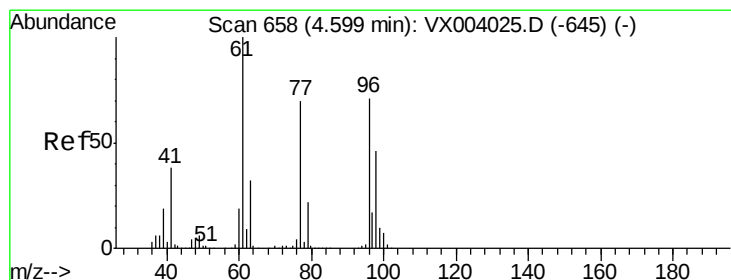
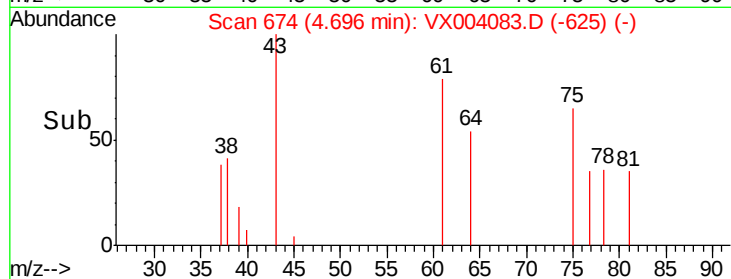
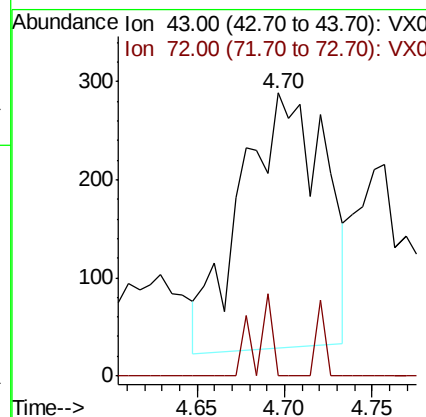
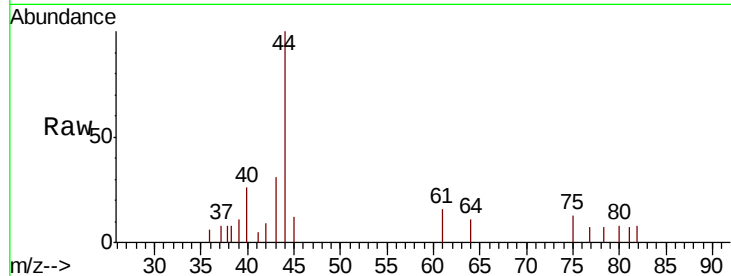




#25
 2-Butanone
 Concen: 0.29 ug/l
 RT: 4.70 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

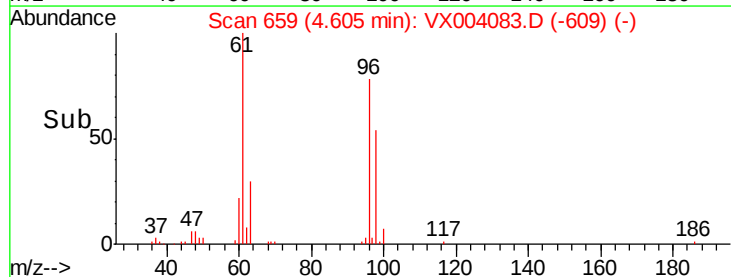
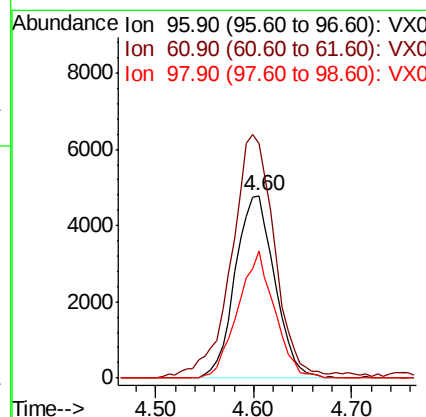
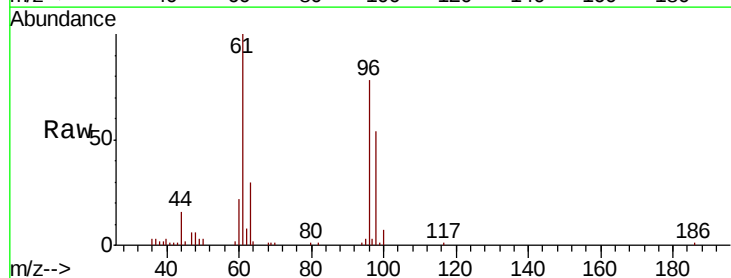
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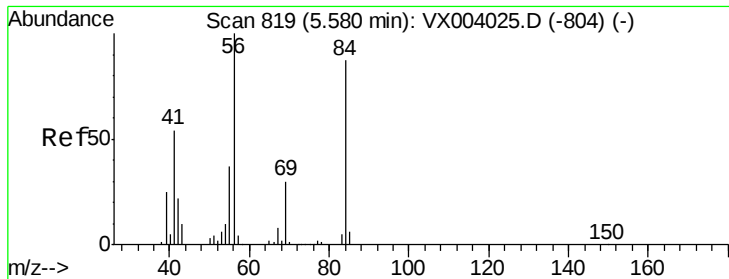
Tot Ion: 43 Resp: 869
 Ion Ratio Lower Upper
 43 100
 72 0.0 21.4 32.0#



#27
 cis-1,2-Dichloroethene
 Concen: 3.90 ug/l
 RT: 4.60 min Scan# 659
 Delta R.T. 0.01 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

Tgt Ion: 96 Resp: 13389
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 293.0
 98 65.0 0.0 131.8





#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-180813

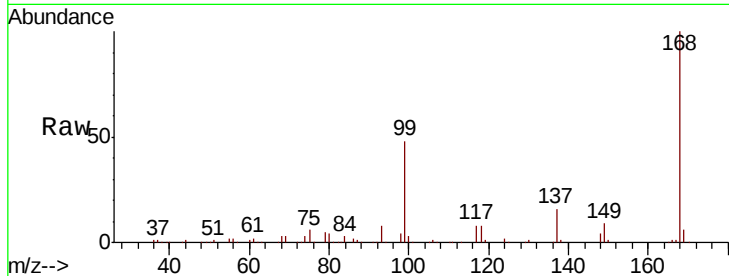
Tot Ion: 56 Resp: 4743

Ion Ratio Lower Upper

56 100

69 170.4 24.9 37.3#

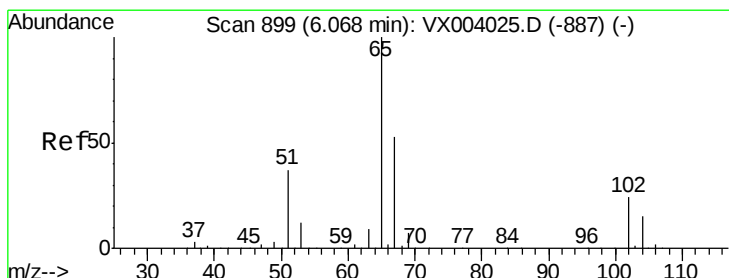
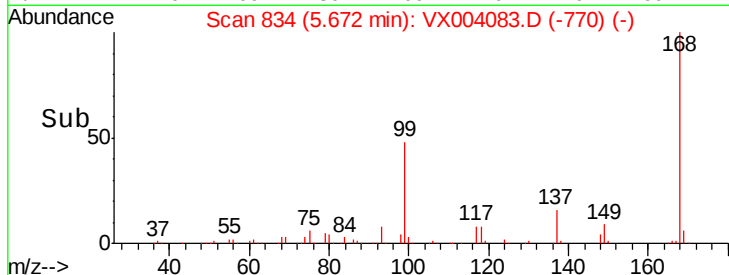
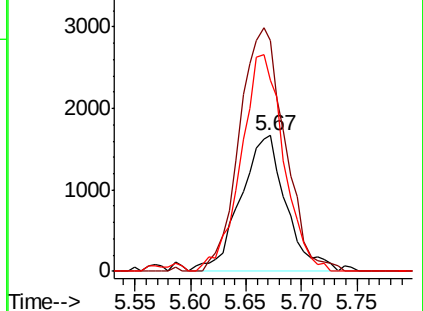
84 140.9 71.7 107.5#



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: 50.79 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004083.D

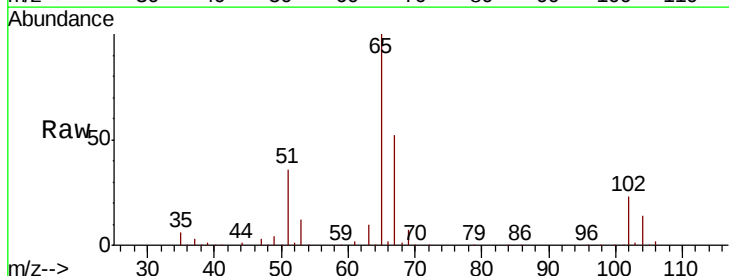
Acq: 15 Aug 2018 20:01

Tgt Ion: 65 Resp: 182874

Ion Ratio Lower Upper

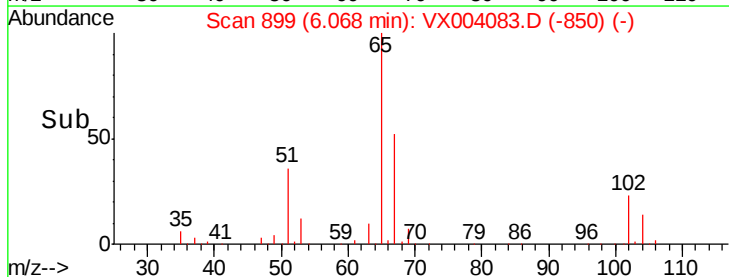
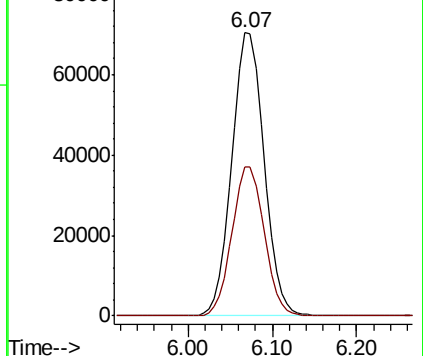
65 100

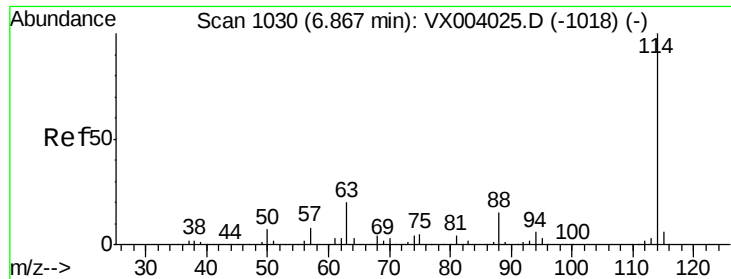
67 52.7 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

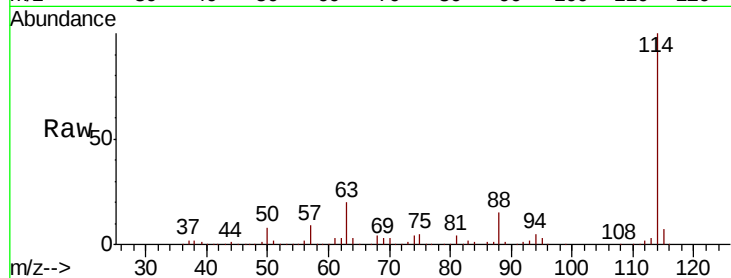




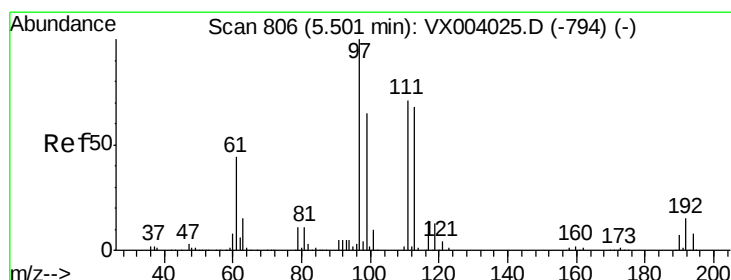
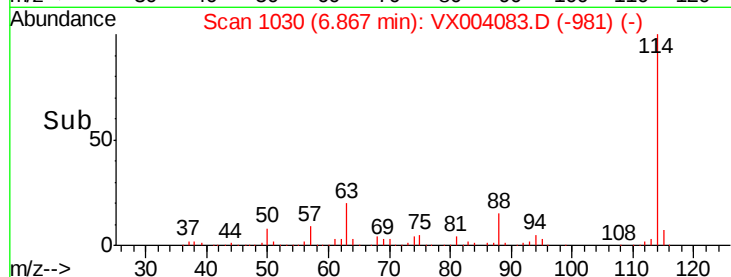
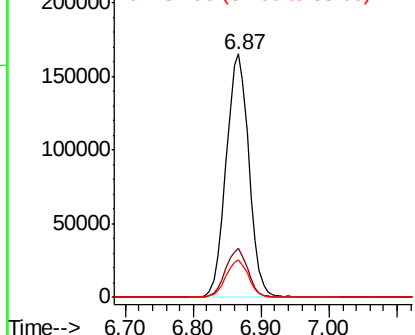
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180813

Tot Ion:114 Resp: 384066
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.0
 88 15.5 0.0 32.0

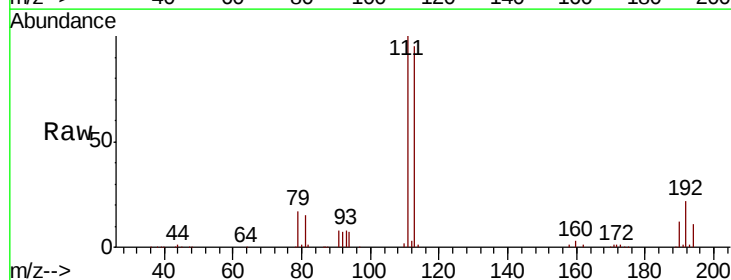


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

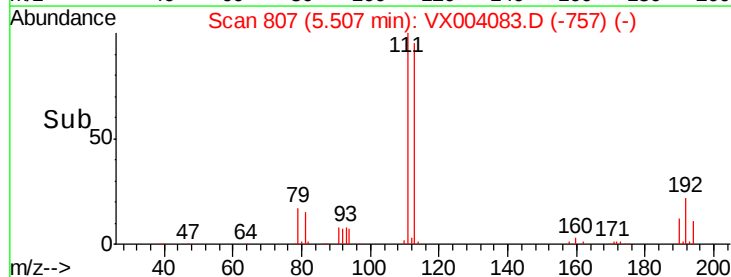
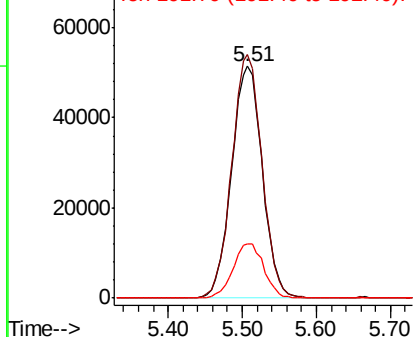


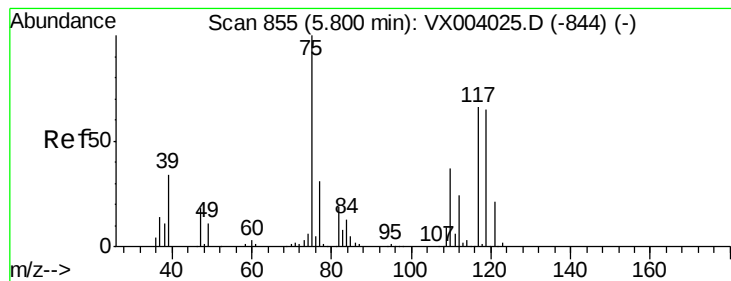
#35
 Dibromofluoromethane
 Concen: 51.89 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

Tgt Ion:113 Resp: 149162
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 23.4 19.0 28.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-180813

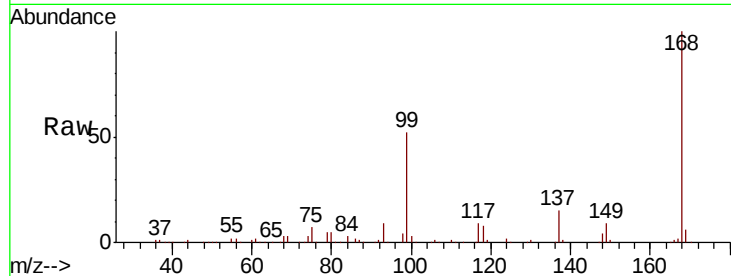
Tot Ion: 75 Resp: 17497

Ion Ratio Lower Upper

75 100

110 8.7 18.2 54.6#

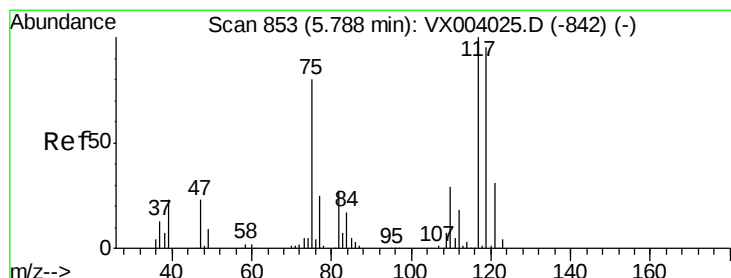
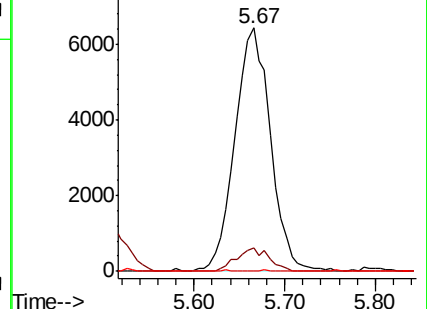
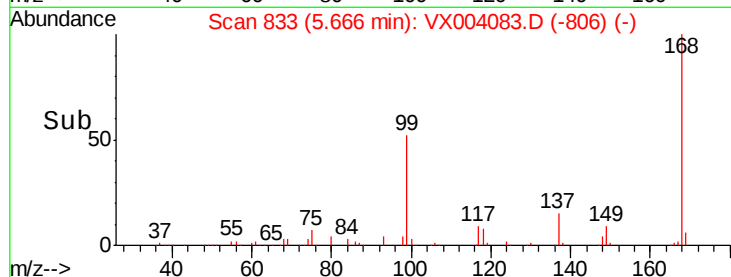
77 0.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.43 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

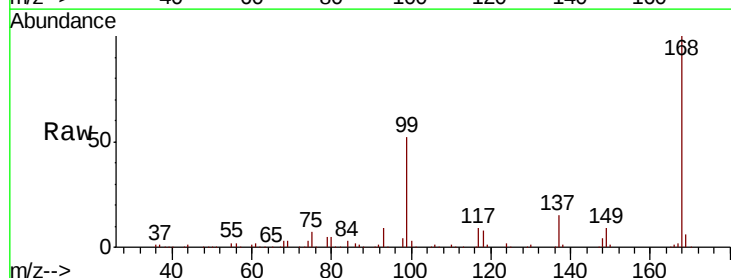
Tgt Ion: 117 Resp: 23050

Ion Ratio Lower Upper

117 100

119 5.7 79.5 119.3#

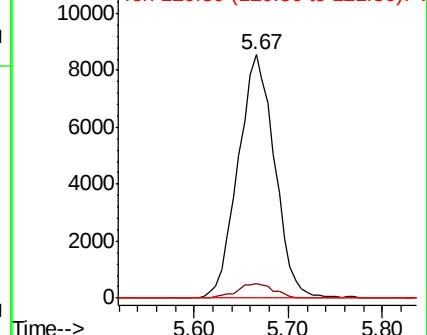
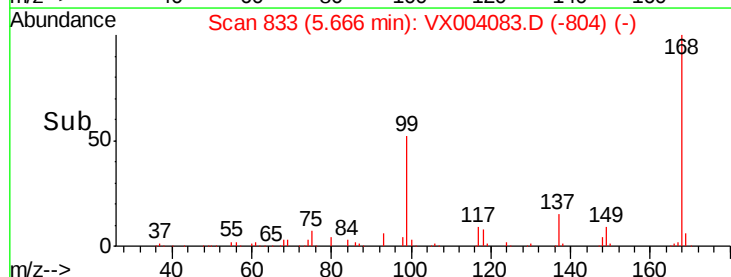
121 0.0 25.0 37.4#

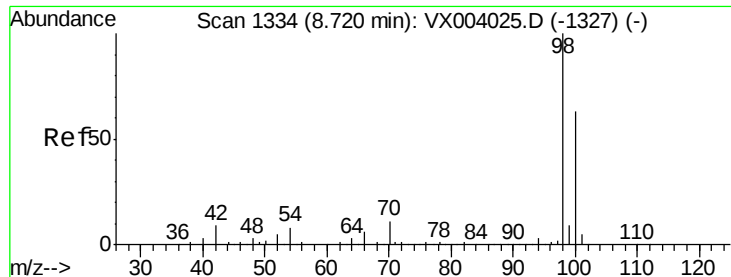


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

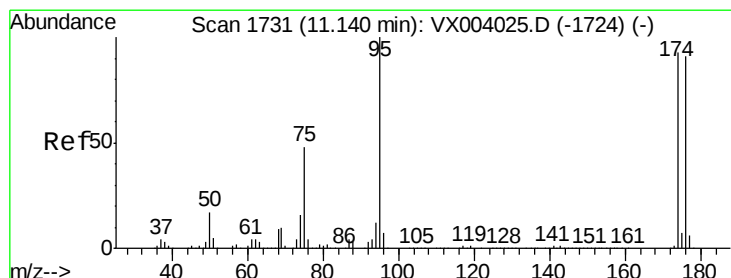
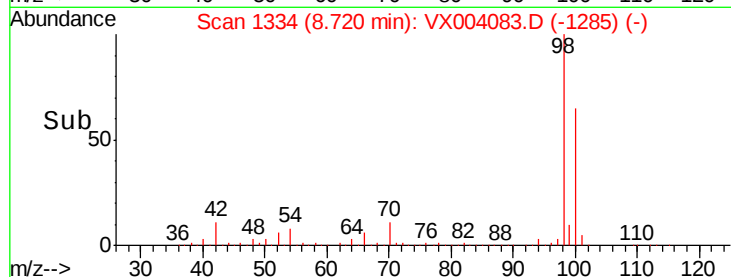
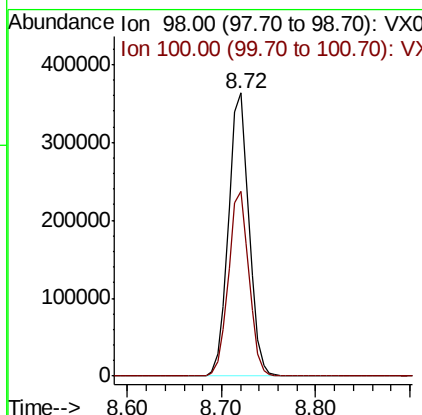
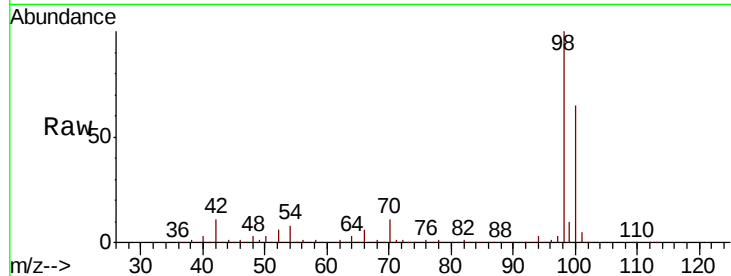




#50
Toluene-d8
Concen: 47.18 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

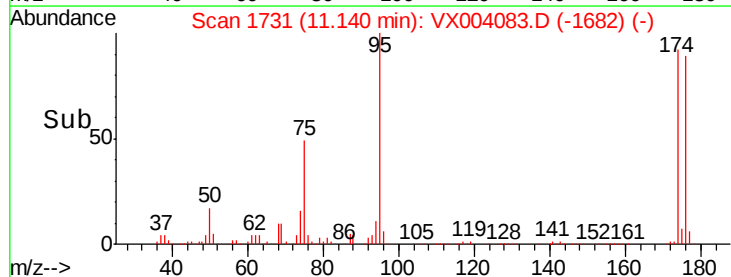
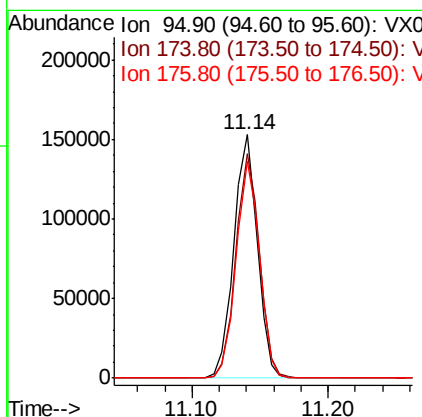
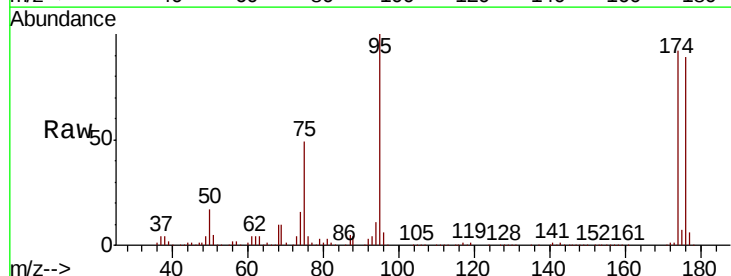
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180813

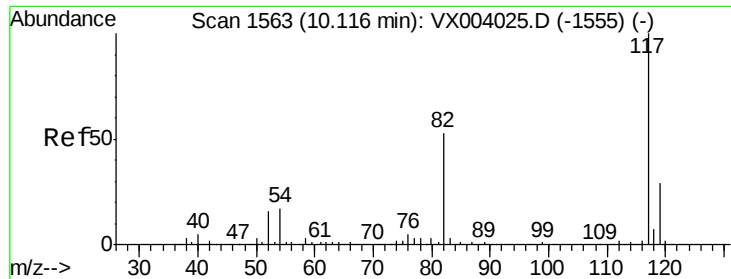
Tot Ion: 98 Resp: 549790
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.55 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

Tgt Ion: 95 Resp: 184066
Ion Ratio Lower Upper
95 100
174 92.9 0.0 182.8
176 89.0 0.0 179.0

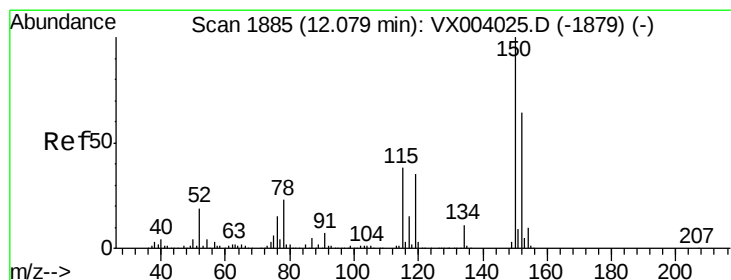
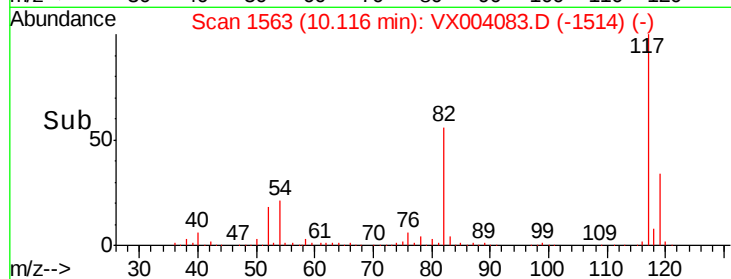
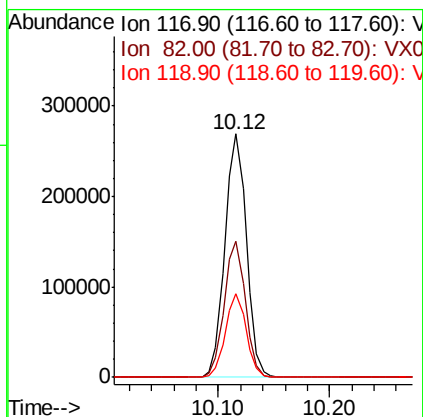
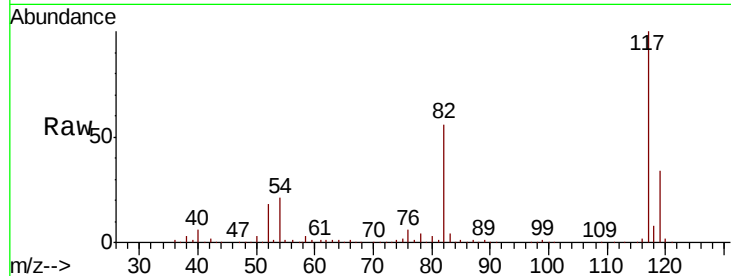




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

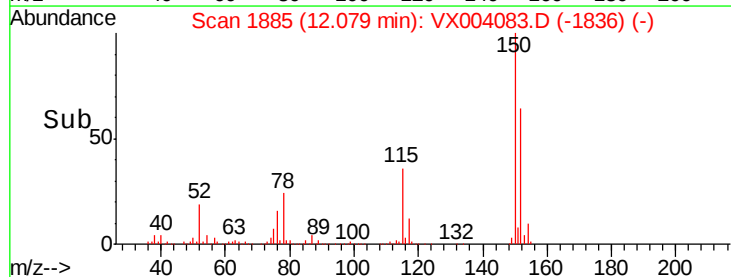
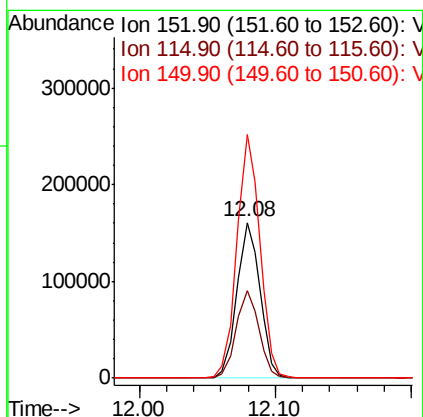
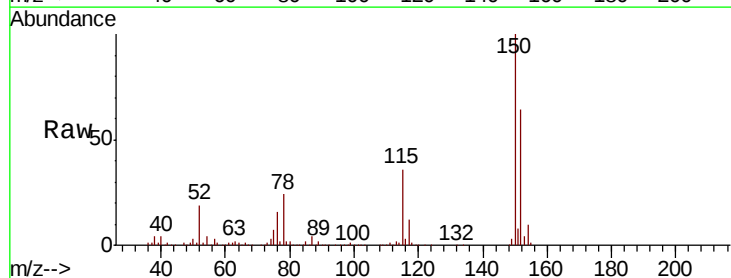
Instrument :
MSVOA_X
ClientSampleId :
KY038PS036-180813

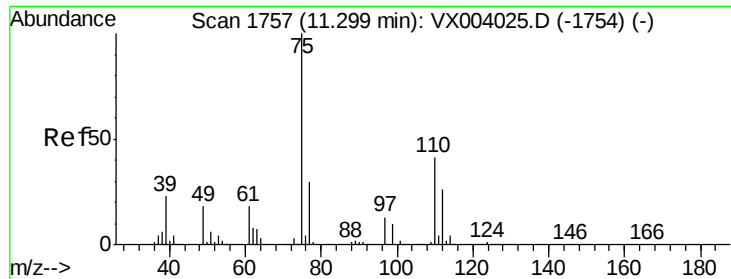
Tot Ion:117 Resp: 361469
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.0
119 34.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004083.D
Acq: 15 Aug 2018 20:01

Tgt Ion:152 Resp: 191057
Ion Ratio Lower Upper
152 100
115 55.5 39.1 117.3
150 155.0 0.0 349.2

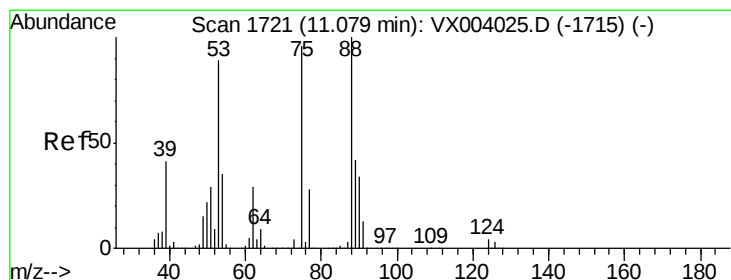
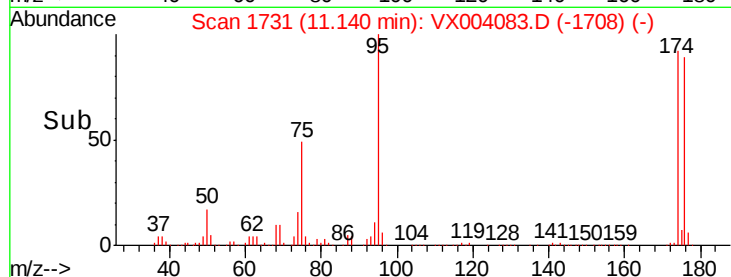
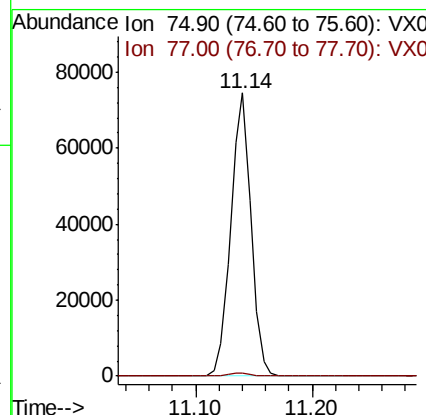
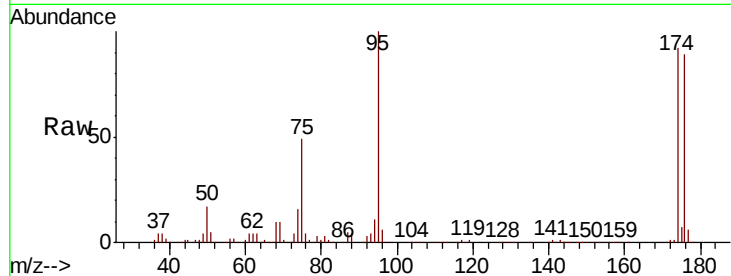




#76
 1,2,3-Trichloropropane
 Concen: 23.34 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

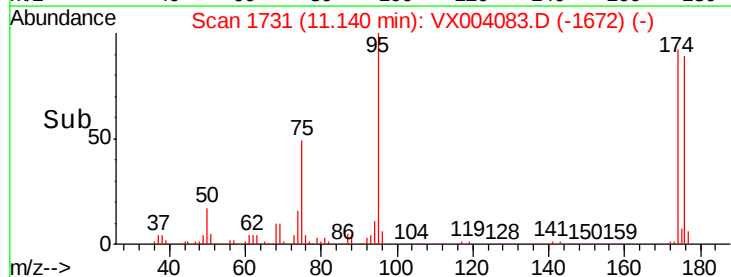
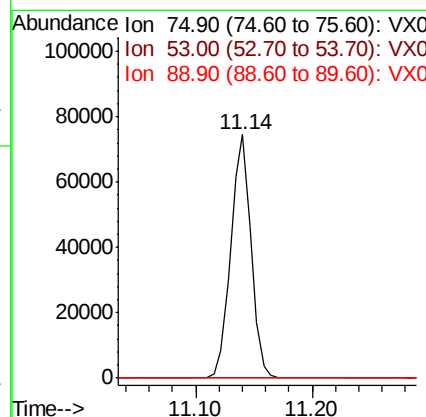
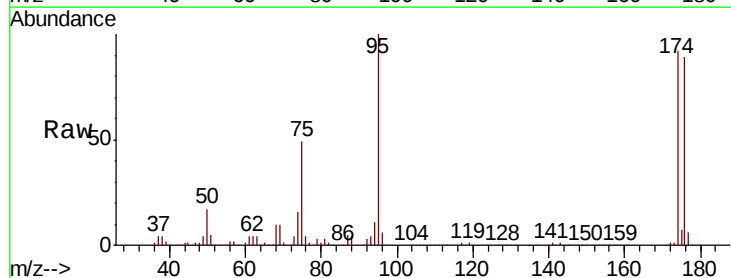
Instrument :
 MSVOA_X
 ClientSampleId :
 KY038PS036-180813

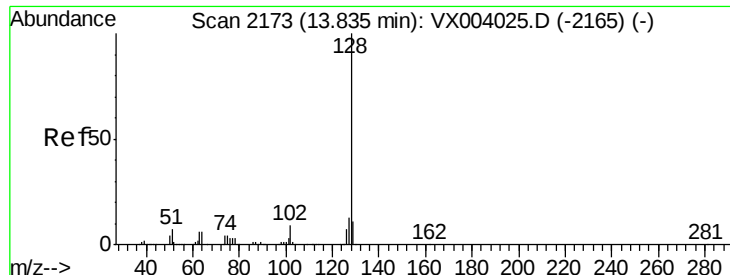
Tot Ion: 75 Resp: 89439
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX004083.D
 Acq: 15 Aug 2018 20:01

Tgt Ion: 75 Resp: 89439
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.3 120.5#
 89 0.0 37.8 56.8#





#95

Naphthalene

Concen: 1.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.01 min

Lab File: VX004083.D

Acq: 15 Aug 2018 20:01

Instrument :

MSVOA_X

ClientSampleId :

KY038PS036-180813

Tot Ion:128 Resp: 297

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

