

Data File : VX000168.D

Acq On : 28 Feb 2018 15:46

Operator : JC/MD

Sample : J1674-04

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

Quant Time: Mar 01 06:32:32 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	93937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	150204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	137457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	71374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	59256	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	5.52	113	45242	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
50) Toluene-d8	8.73	98	179658	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.15	95	62016	42.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.58%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	1390	1.47	ug/l	# 63
5) Bromomethane	1.62	94	19	Below	Cal	# 3
6) Chloroethane	1.71	64	252	0.36	ug/l	95
11) Tert butyl alcohol	3.07	59	146	0.32	ug/l	# 91
13) Acrolein	2.31	56	73	0.34	ug/l	# 15
14) Allyl chloride	2.63	41	1516	0.92	ug/l	# 50
16) Acetone	2.45	43	423921	557.20	ug/l	98
18) Methyl Acetate	2.62	43	3817	2.14	ug/l	# 50
20) Methylene Chloride	2.86	84	445	Below	Cal	# 83
25) 2-Butanone	4.73	43	48298	45.47	ug/l	96
28) Bromochloromethane	5.18	49	1393	1.82	ug/l	# 7
29) Tetrahydrofuran	5.18	42	622476	899.99	ug/l	97
31) Cyclohexane	5.68	56	2186	1.49	ug/l	# 28
36) 1,1-Dichloropropene	5.68	75	7477	5.55	ug/l	# 43
37) Ethyl Acetate	4.73	43	48298	26.08	ug/l	# 67
38) Carbon Tetrachloride	5.67	117	9549	6.56	ug/l	# 18
41) Methacrylonitrile	5.18	41	366269	415.94	ug/l	# 46
76) 1,2,3-Trichloropropane	11.15	75	36472	24.67	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.15	75	36472	70.26	ug/l	# 12

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

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ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

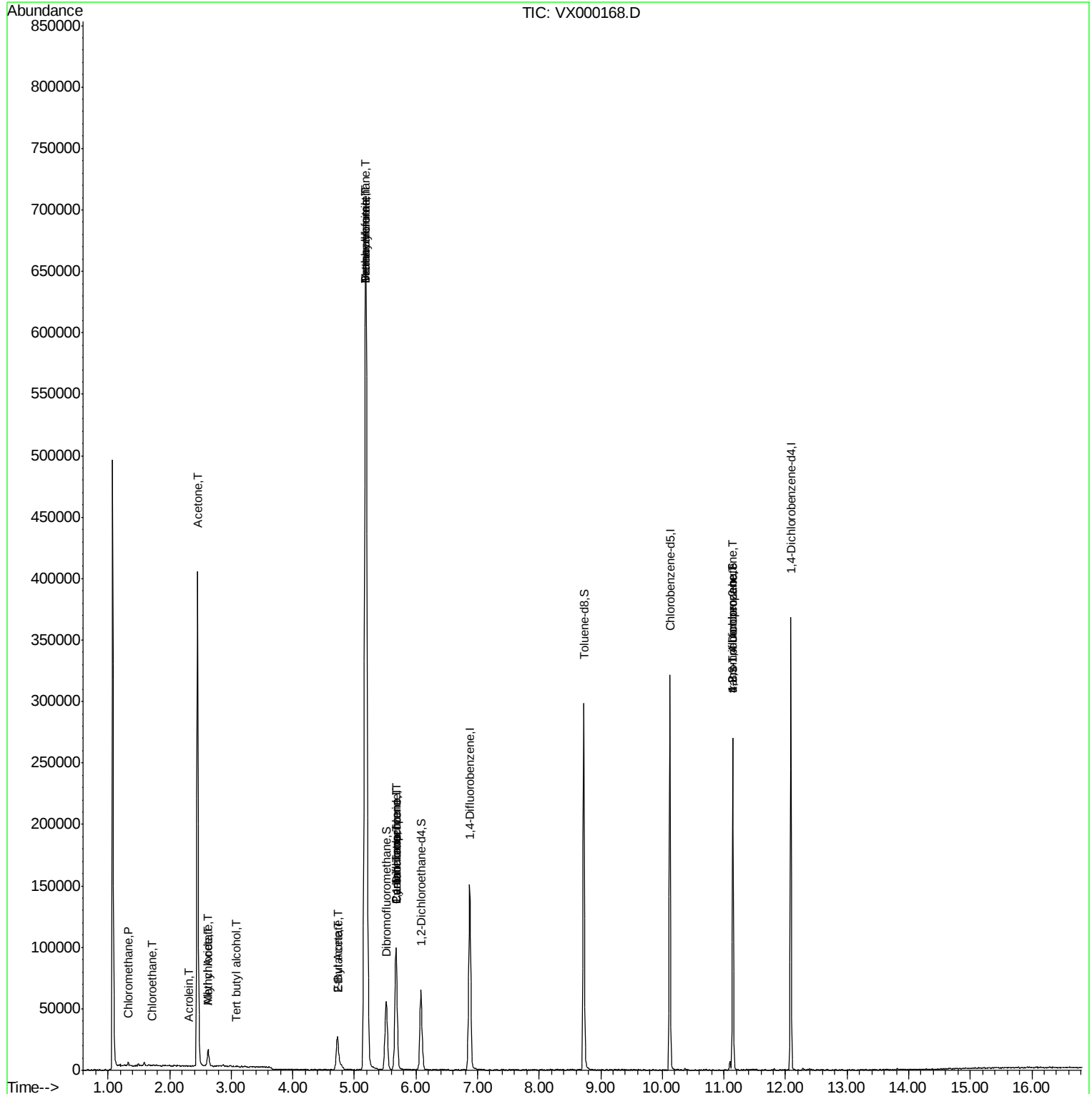
Quant Time: Mar 01 06:32:32 2018

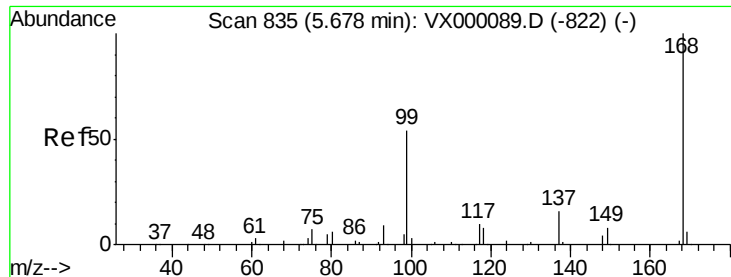
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

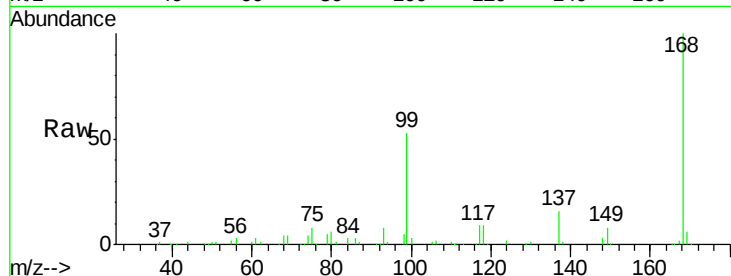
Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

Tgt Ion:168 Resp: 93937

Ion Ratio Lower Upper

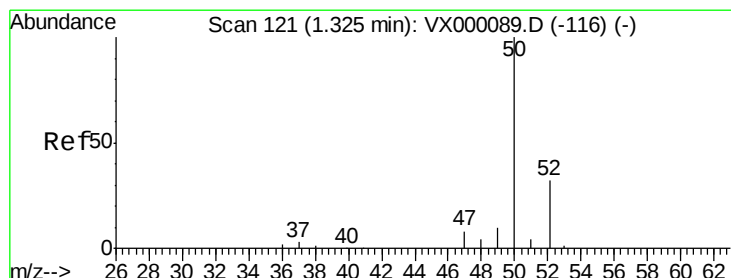
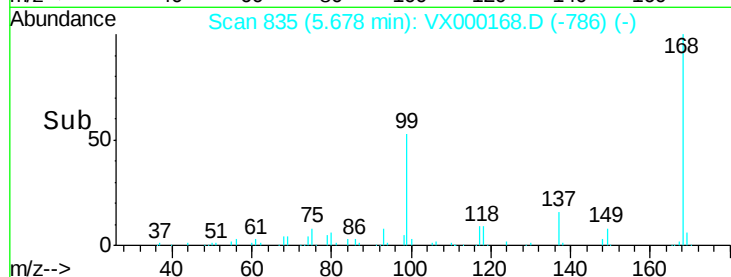
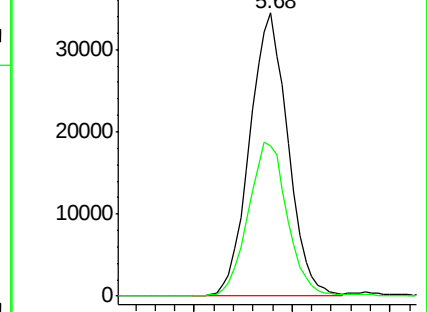
168 100

99 52.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.47 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000168.D

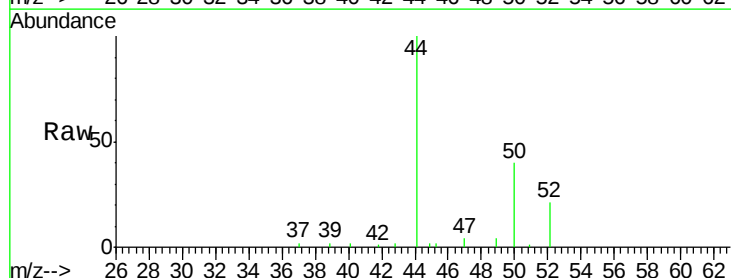
Acq: 28 Feb 2018 15:46

Tgt Ion: 50 Resp: 1390

Ion Ratio Lower Upper

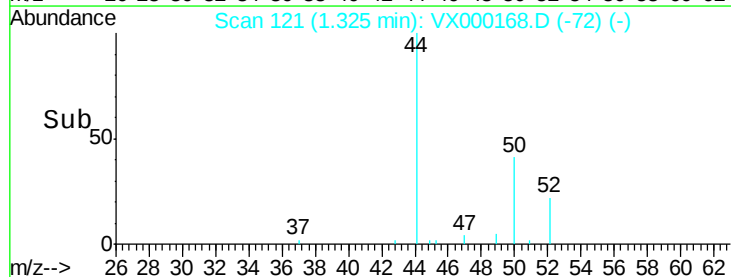
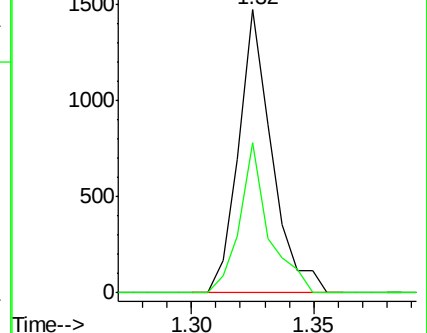
50 100

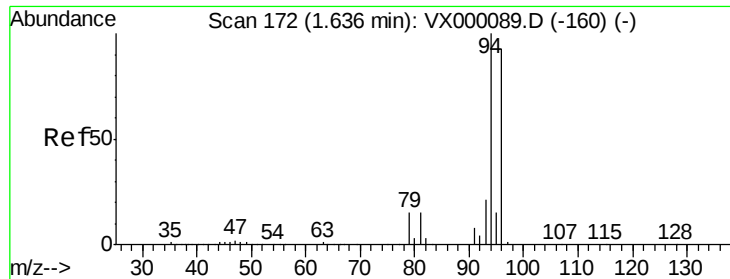
52 53.3 25.9 38.9#



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: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

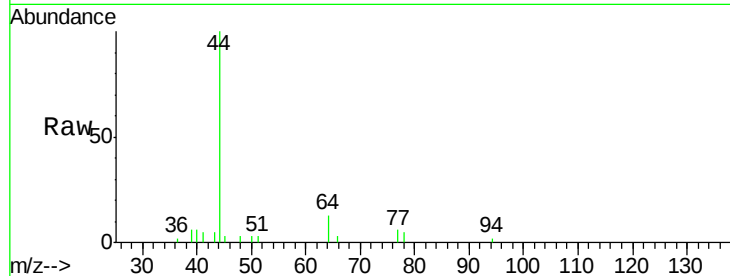
AFTER-CARBON-2

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

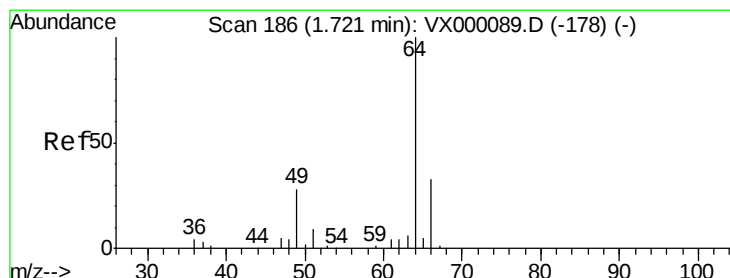
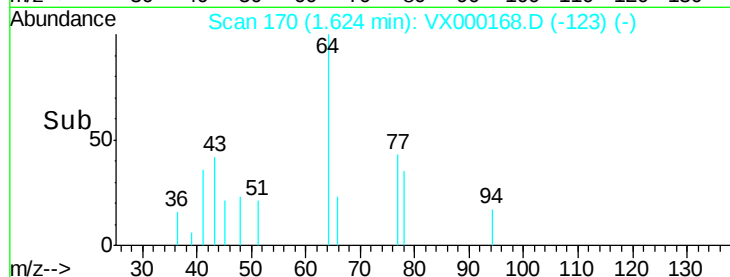
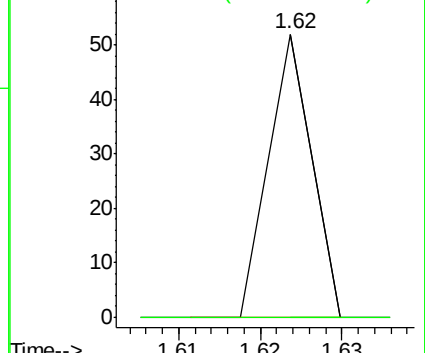
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.36 ug/l

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX000168.D

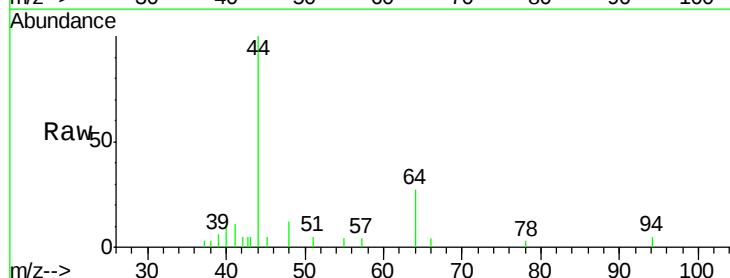
Acq: 28 Feb 2018 15:46

Tgt Ion: 64 Resp: 252

Ion Ratio Lower Upper

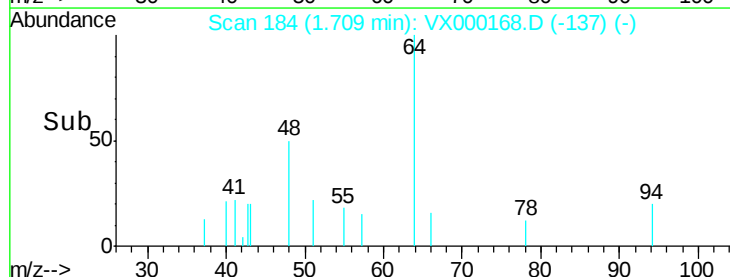
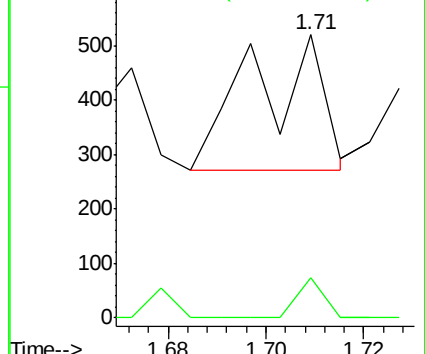
64 100

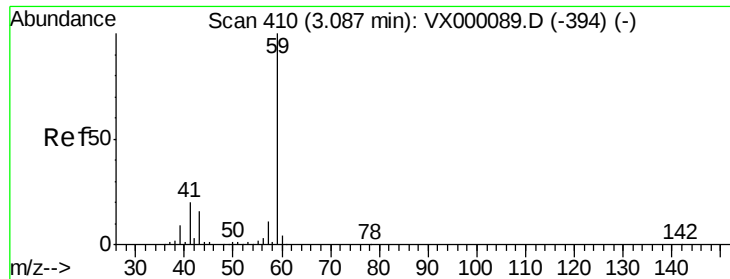
66 29.6 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

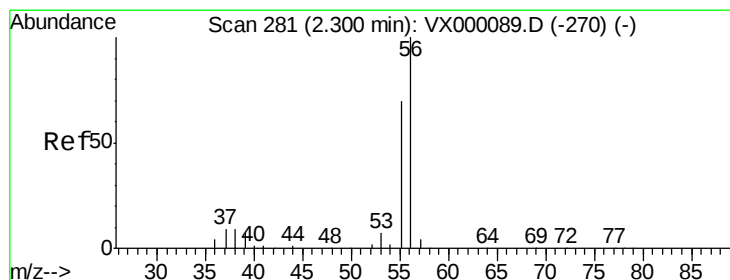
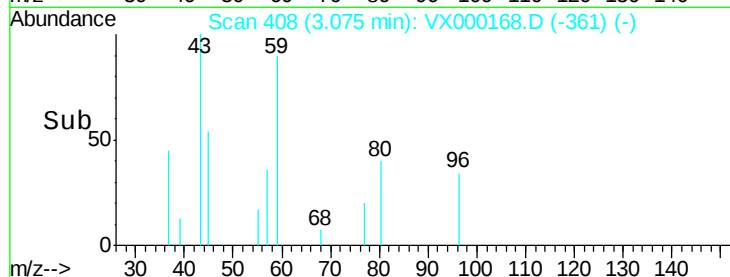
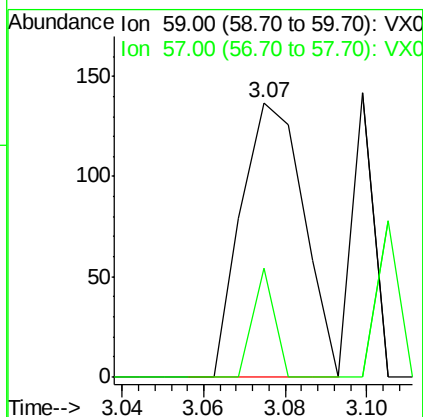
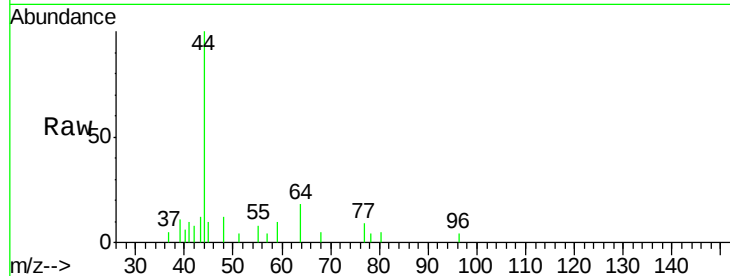




#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

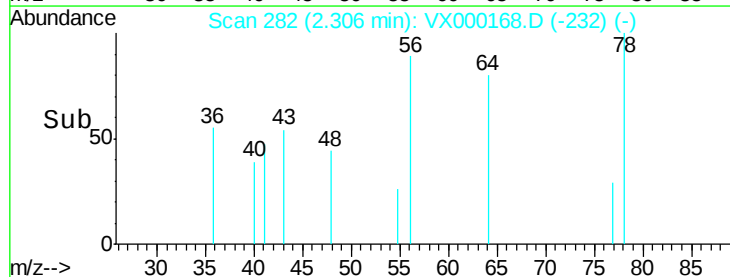
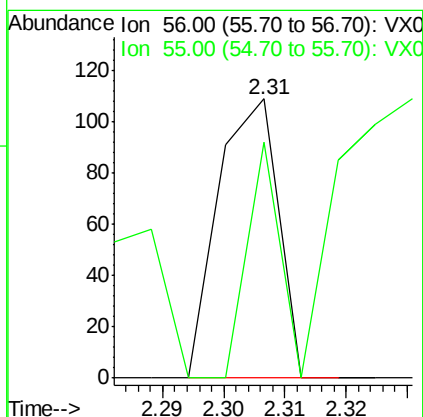
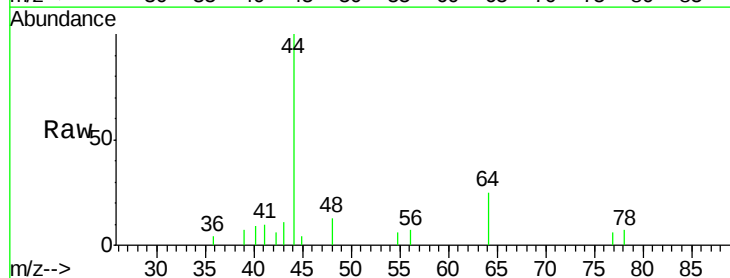
Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

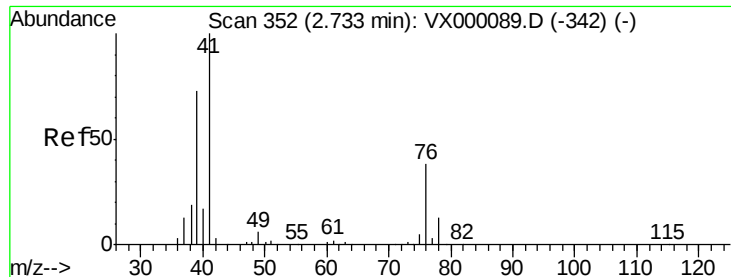
Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 13.7 8.3 12.5#



#13
Acrolein
Concen: 0.34 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#





#14

Allyl chloride

Concen: 0.92 ug/l

RT: 2.63 min Scan# 335

Delta R.T. -0.10 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

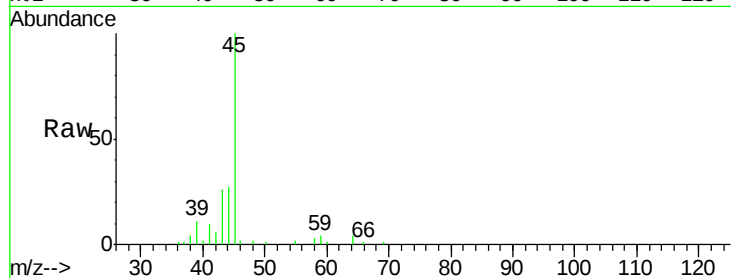
Tgt Ion: 41 Resp: 1516

Ion Ratio Lower Upper

41 100

39 104.7 55.1 82.7#

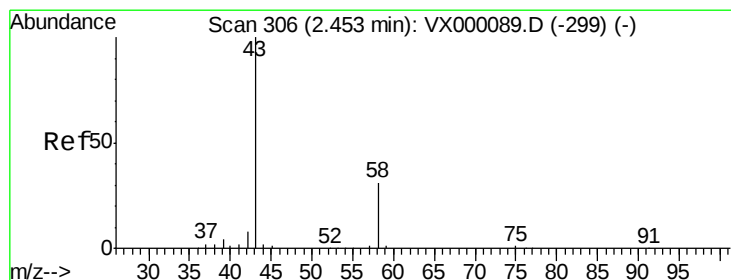
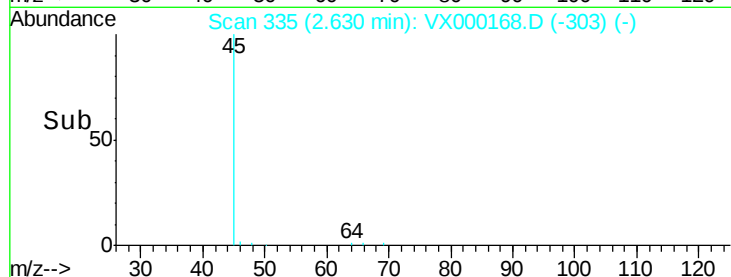
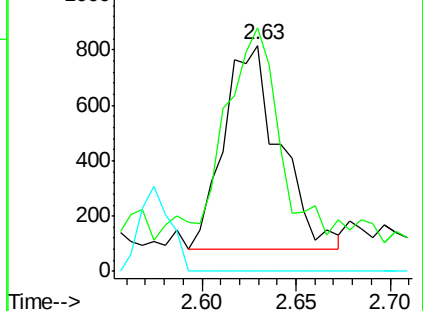
76 0.0 28.5 42.7#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#16

Acetone

Concen: 557.20 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000168.D

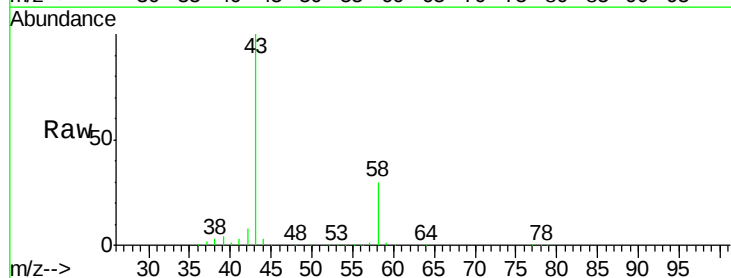
Acq: 28 Feb 2018 15:46

Tgt Ion: 43 Resp: 423921

Ion Ratio Lower Upper

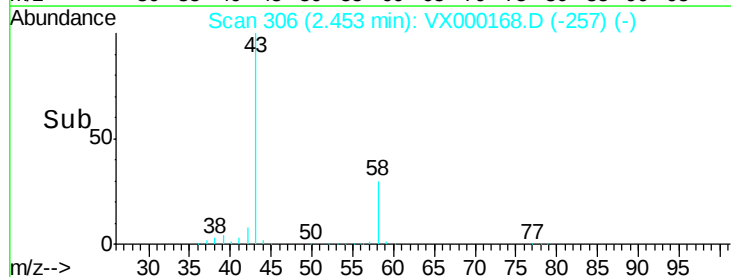
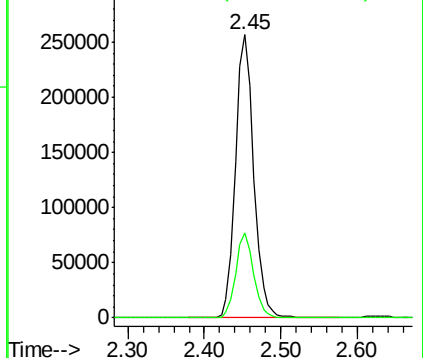
43 100

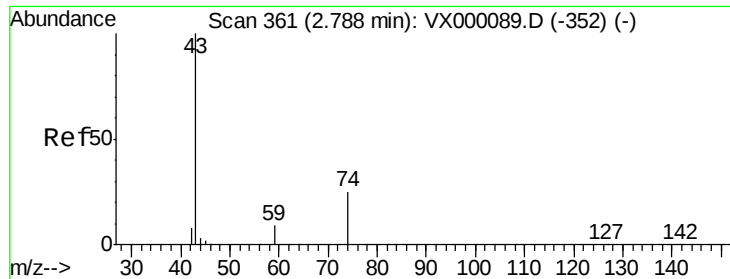
58 29.9 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

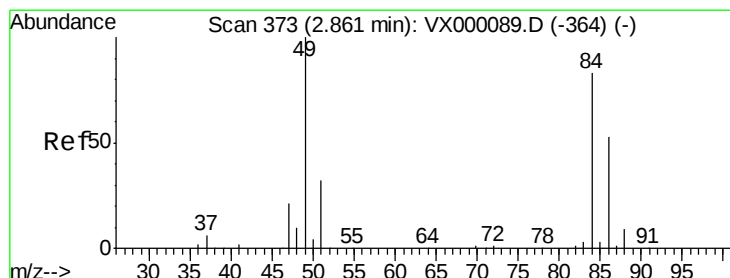
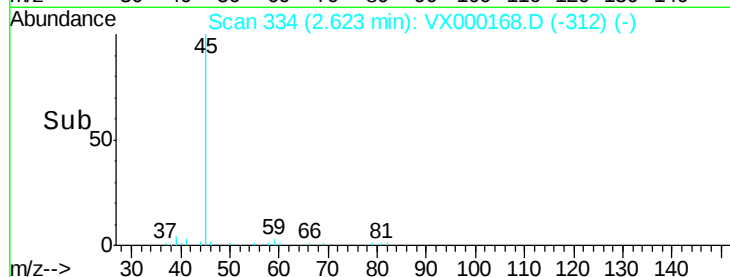
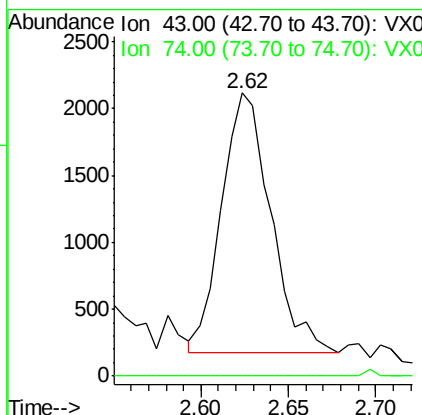
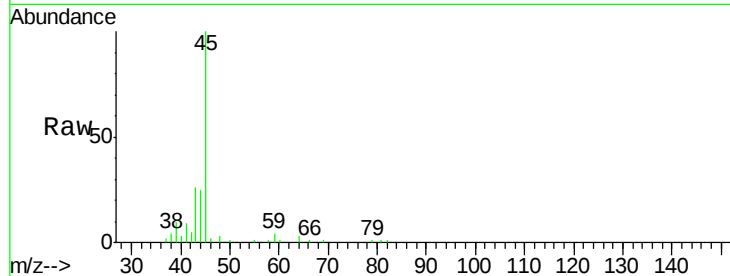




#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 2.62 min Scan# 334
Delta R.T. -0.16 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

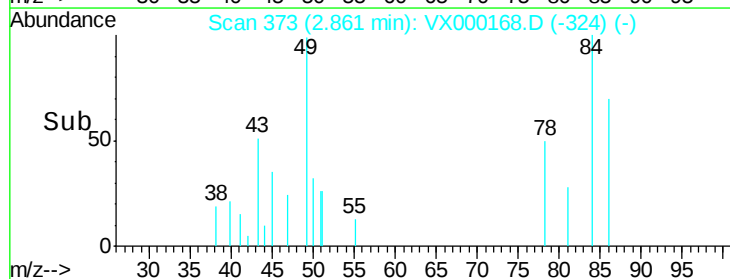
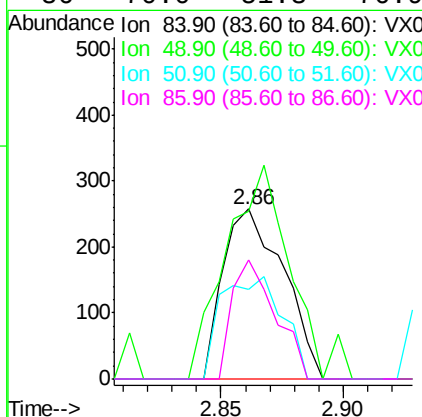
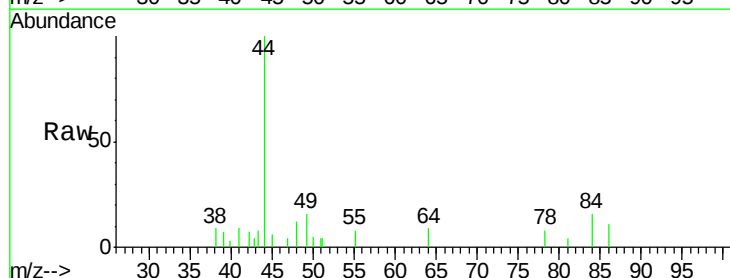
Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

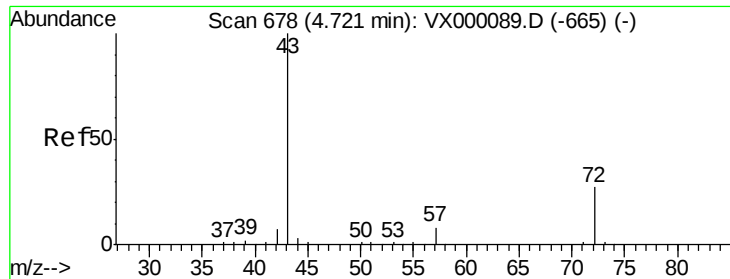
Tgt Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

Tgt Ion: 84 Resp: 445
Ion Ratio Lower Upper
84 100
49 98.8 96.1 144.1
51 52.5 30.5 45.7#
86 70.0 51.3 76.9





#25

2-Butanone

Concen: 45.47 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

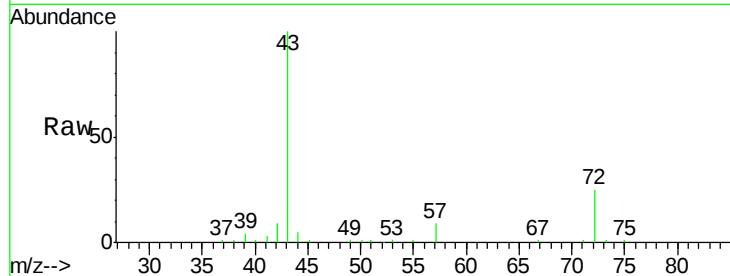
AFTER-CARBON-2

Tgt Ion: 43 Resp: 48298

Ion Ratio Lower Upper

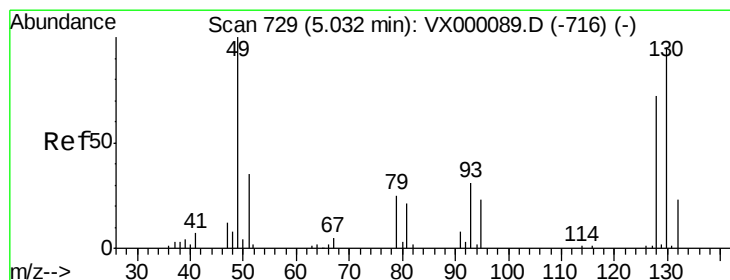
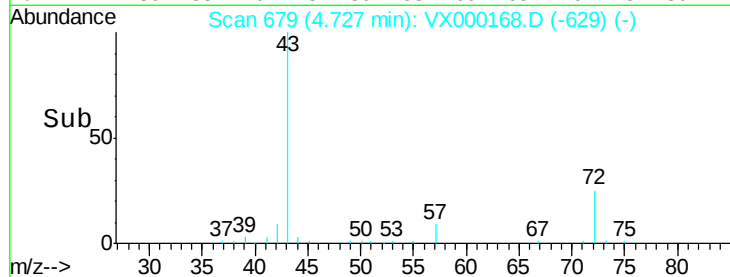
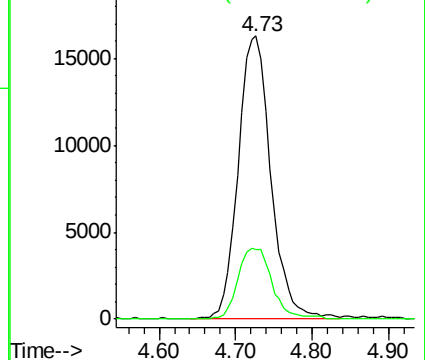
43 100

72 24.6 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: 1.82 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.15 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

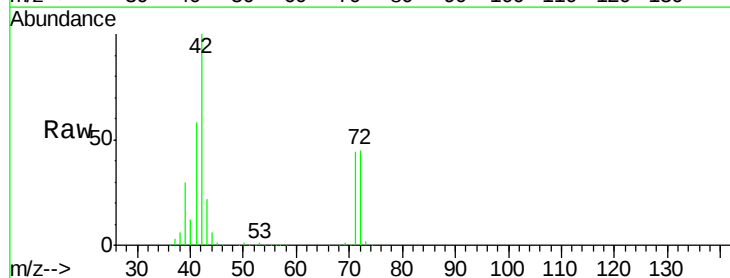
Tgt Ion: 49 Resp: 1393

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

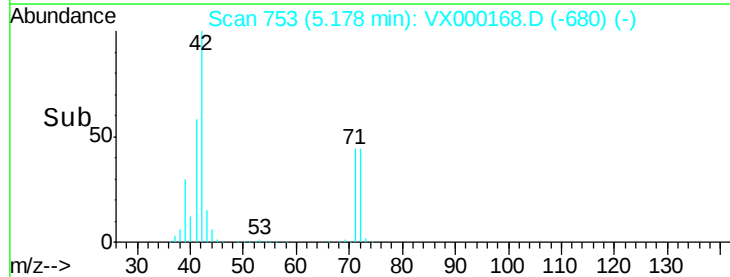
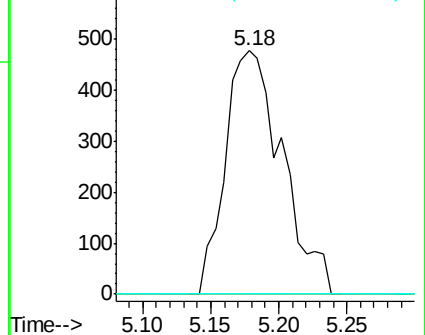
130 0.0 71.9 107.9#

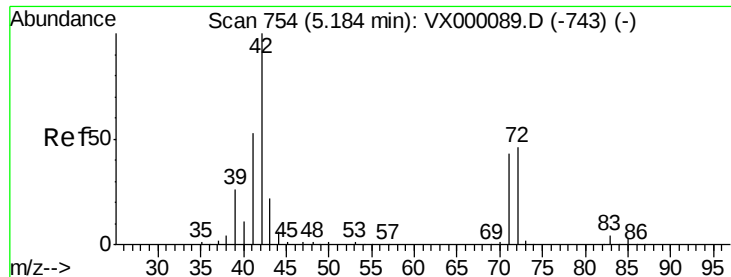


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 899.99 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

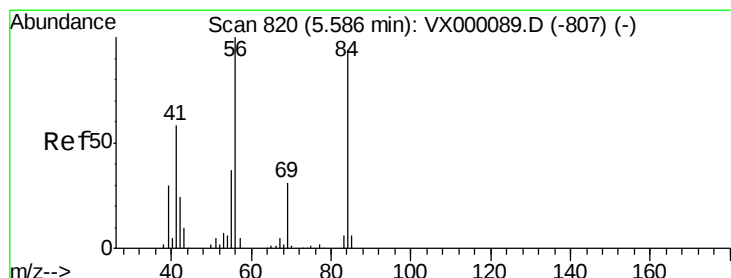
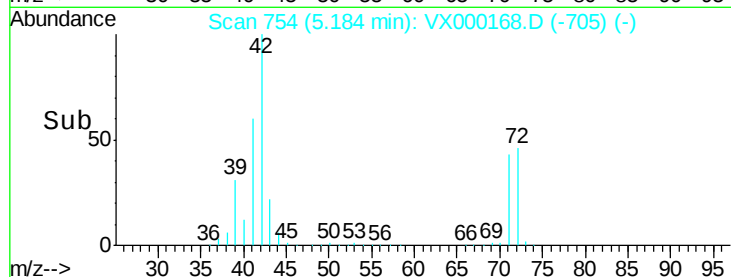
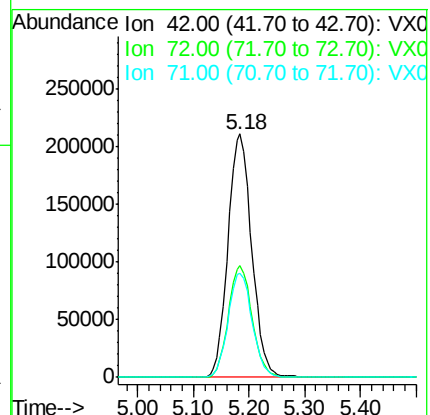
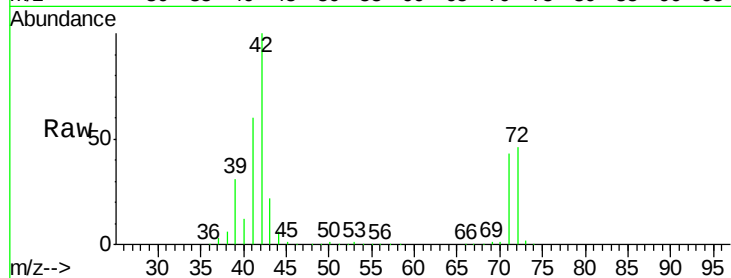
Tgt Ion: 42 Resp: 622476

Ion Ratio Lower Upper

42 100

72 45.8 38.6 58.0

71 43.4 36.2 54.4



#31

Cyclohexane

Concen: 1.49 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

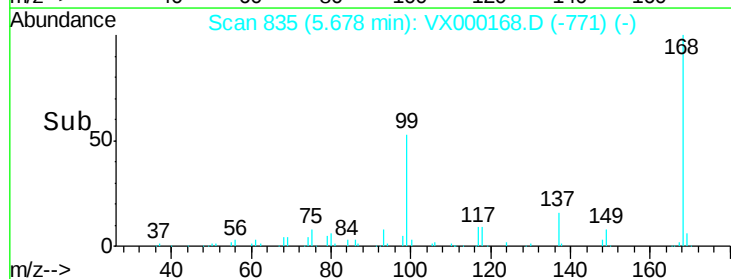
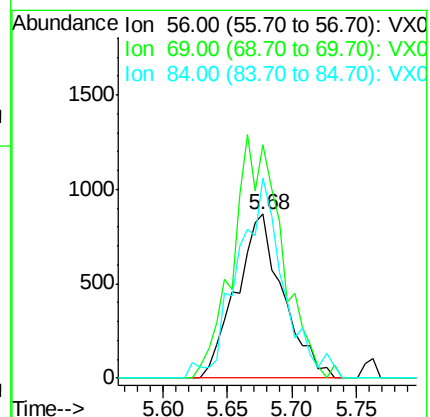
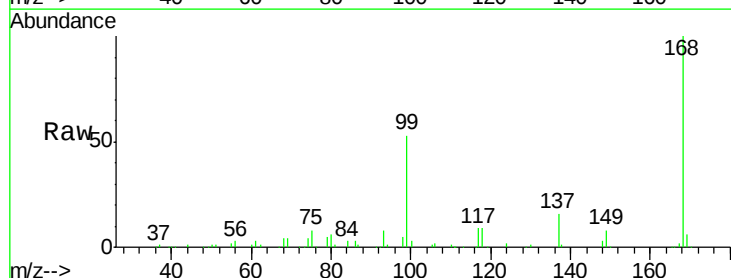
Tgt Ion: 56 Resp: 2186

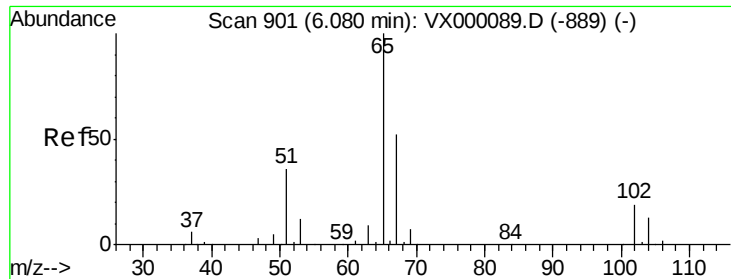
Ion Ratio Lower Upper

56 100

69 142.2 24.9 37.3#

84 122.0 75.0 112.4#





#33

1,2-Dichloroethane-d4

Concen: 50.51 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

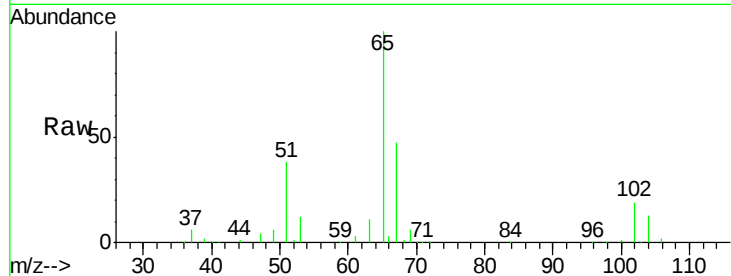
AFTER-CARBON-2

Tgt Ion: 65 Resp: 59256

Ion Ratio Lower Upper

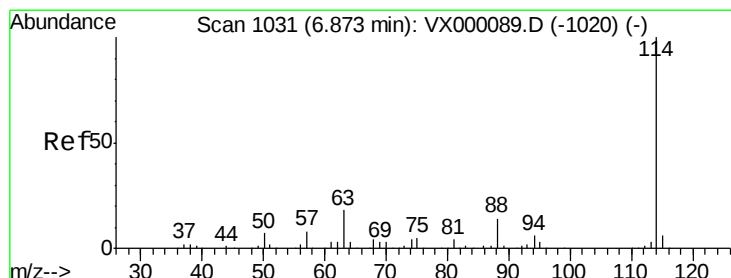
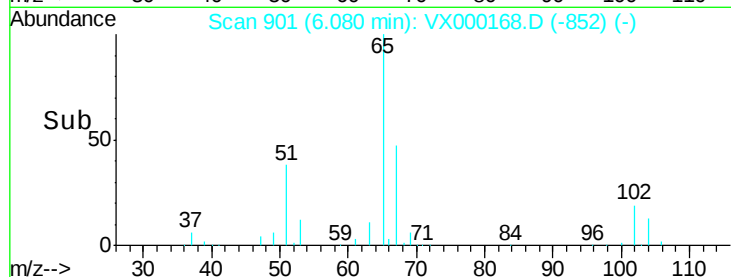
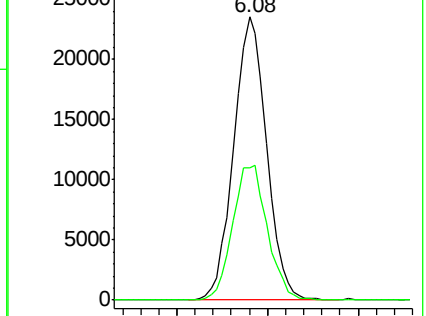
65 100

67 50.2 0.0 104.8



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# 1031

Delta R.T. 0.00 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

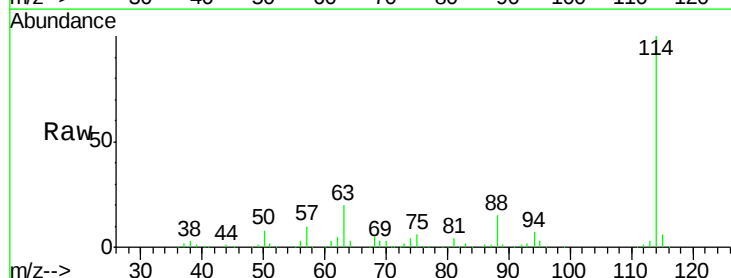
Tgt Ion: 114 Resp: 150204

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

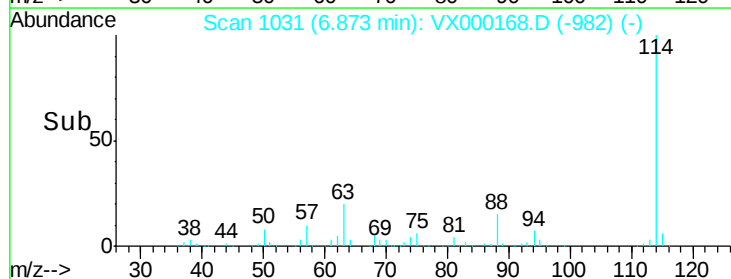
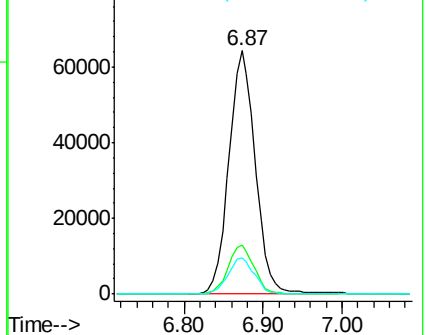
88 14.9 0.0 29.0

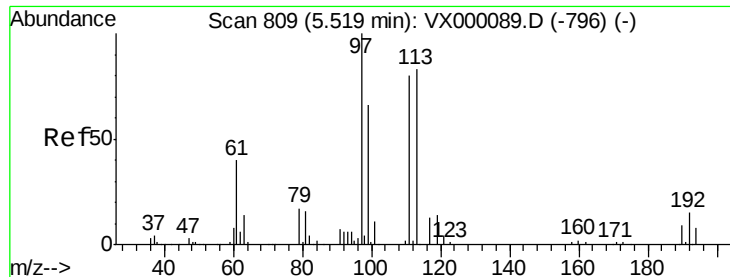


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.72 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.00 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

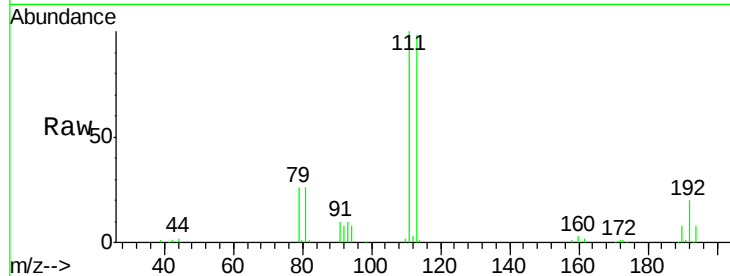
Tgt Ion:113 Resp: 45242

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.6

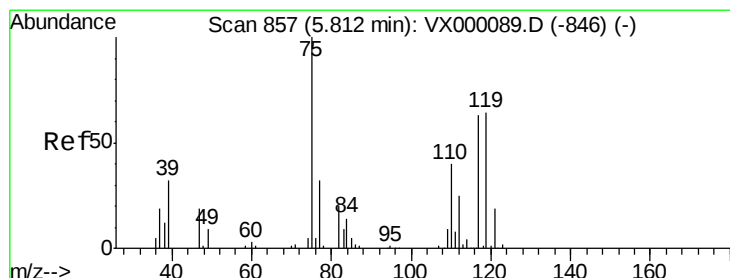
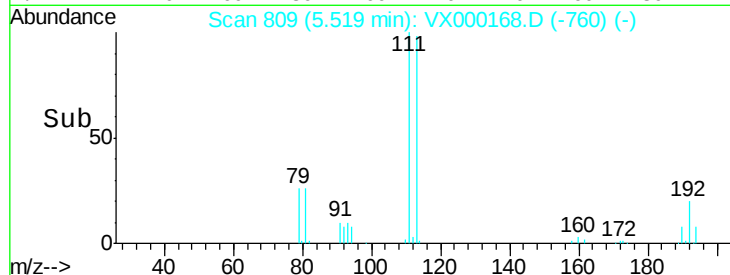
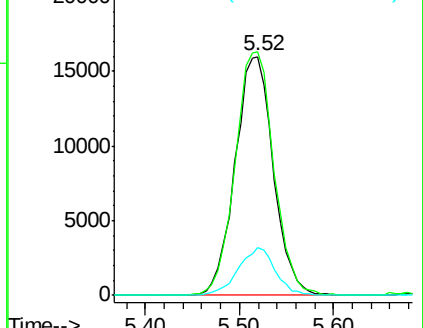
192 19.3 15.7 23.5



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: 5.55 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

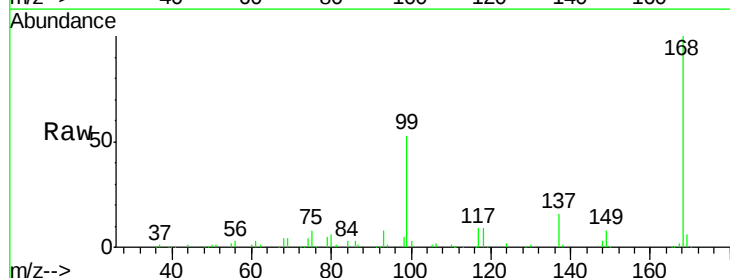
Tgt Ion: 75 Resp: 7477

Ion Ratio Lower Upper

75 100

110 3.6 19.5 58.5#

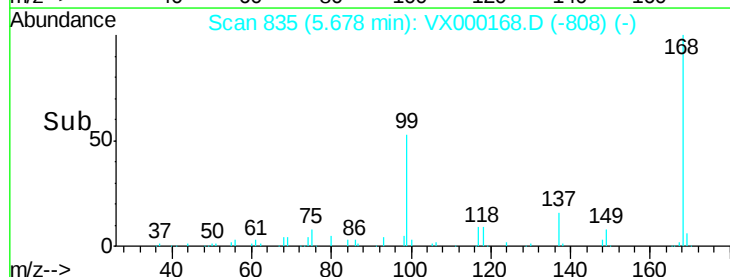
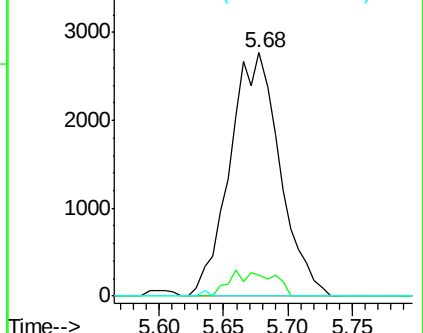
77 0.0 24.7 37.1#

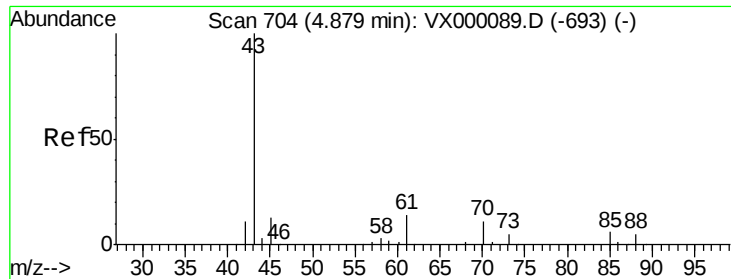


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

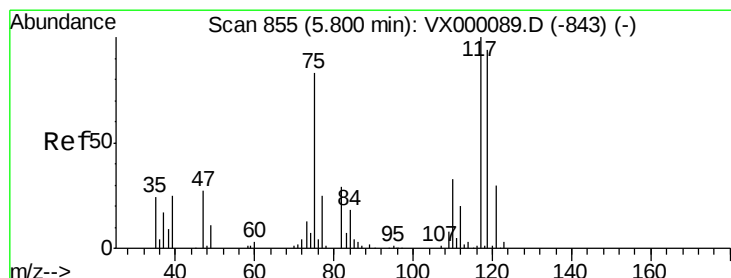
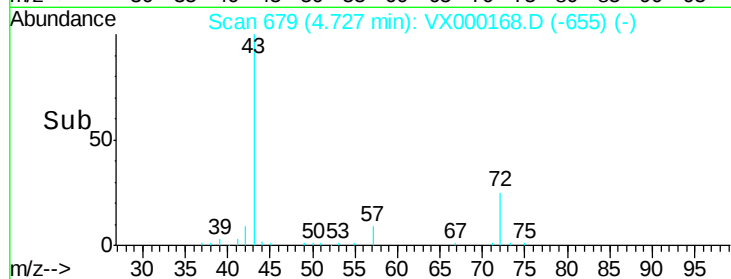
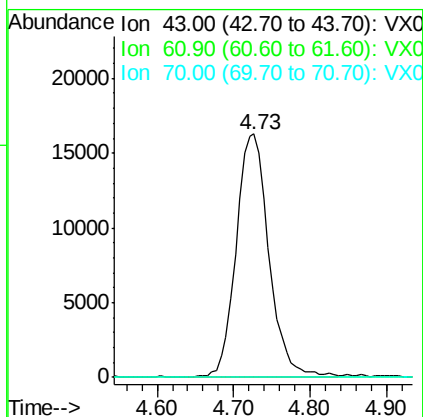
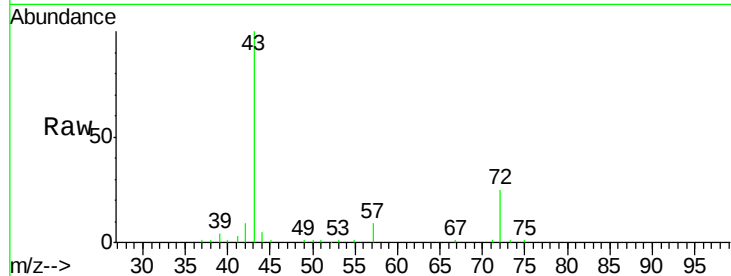




#37
 Ethyl Acetate
 Concen: 26.08 ug/l
 RT: 4.73 min Scan# 679
 Delta R.T. -0.15 min
 Lab File: VX000168.D
 Acq: 28 Feb 2018 15:46

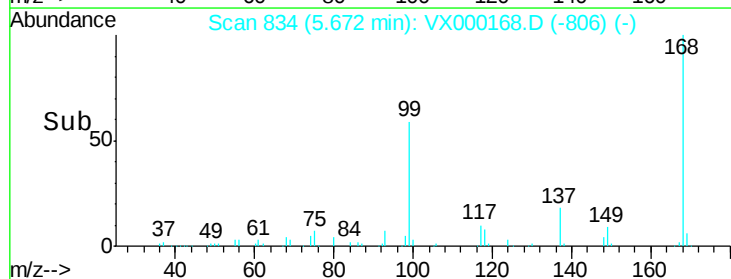
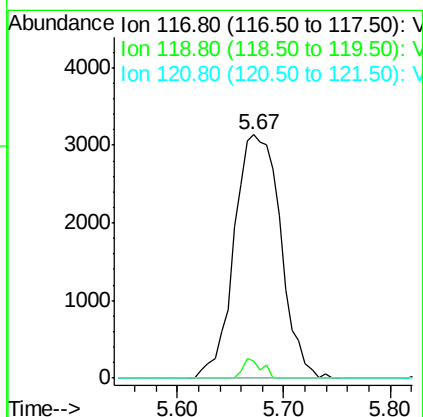
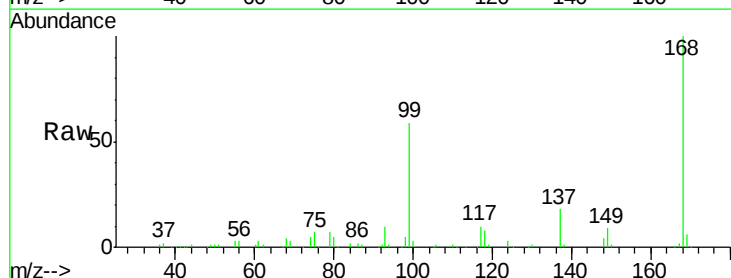
Instrument :
 MSVOA_X
 ClientSampleId :
 AFTER-CARBON-2

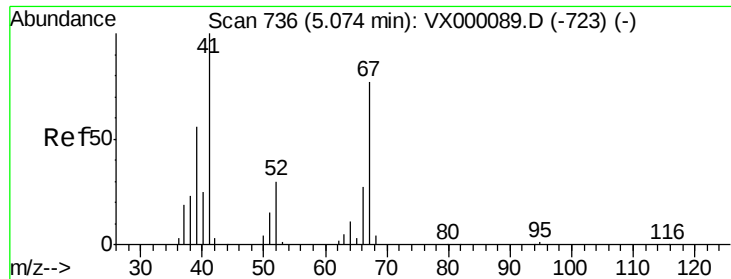
Tgt Ion: 43 Resp: 48298
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.0 13.4#



#38
 Carbon Tetrachloride
 Concen: 6.56 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000168.D
 Acq: 28 Feb 2018 15:46

Tgt Ion: 117 Resp: 9549
 Ion Ratio Lower Upper
 117 100
 119 6.9 75.3 112.9#
 121 0.0 23.7 35.5#

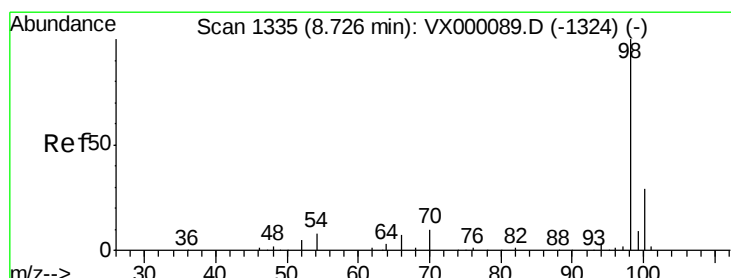
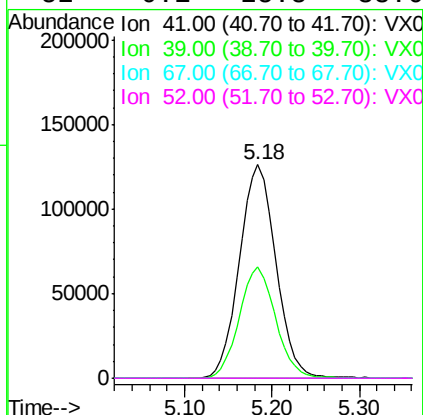
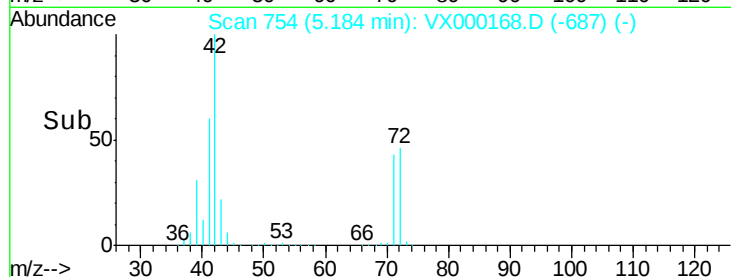
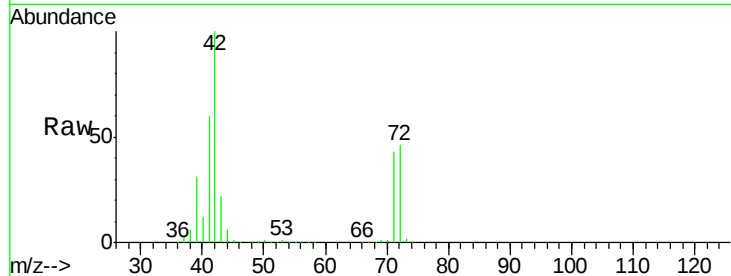




#41
Methacrylonitrile
Concen: 415.94 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.11 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

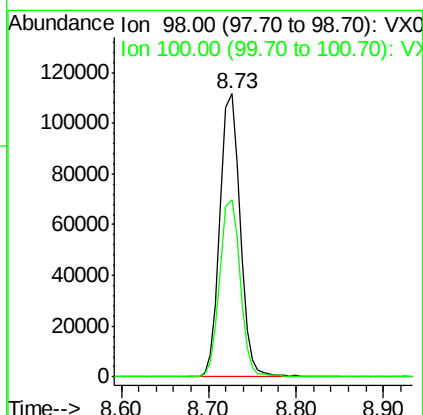
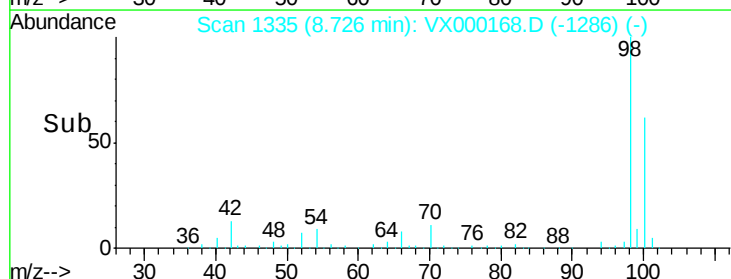
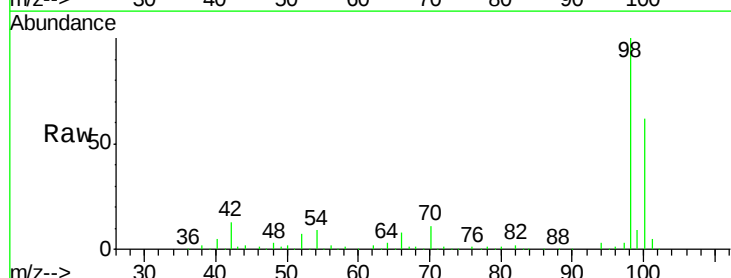
Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

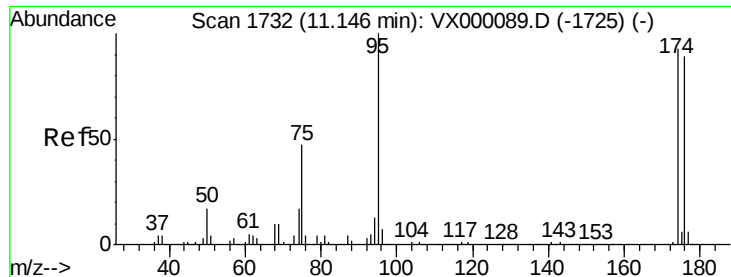
Tgt Ion:	41	Resp:	366269
Ion	Ratio	Lower	Upper
41	100		
39	51.7	45.1	67.7
67	0.0	61.0	91.4#
52	0.1	25.8	38.6#



#50
Toluene-d8
Concen: 48.04 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

Tgt Ion:	98	Resp:	179658
Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.2	78.2

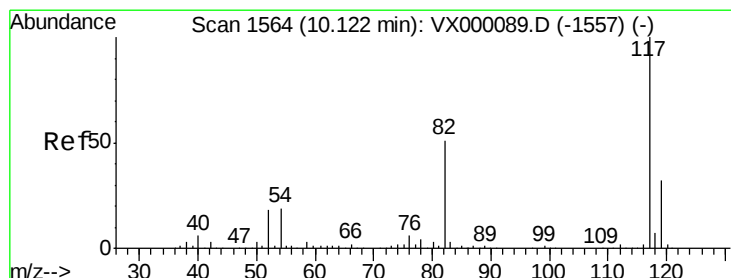
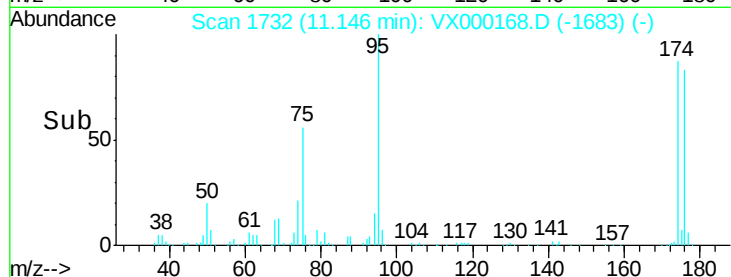
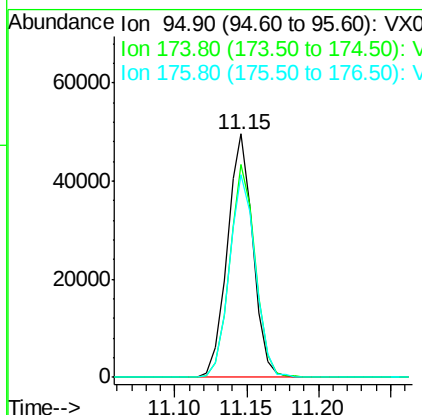
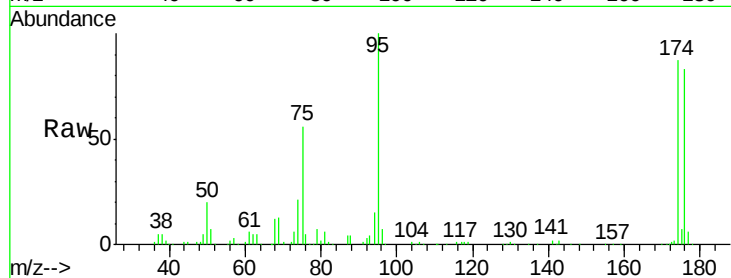




#62
4-Bromofluorobenzene
Concen: 42.29 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

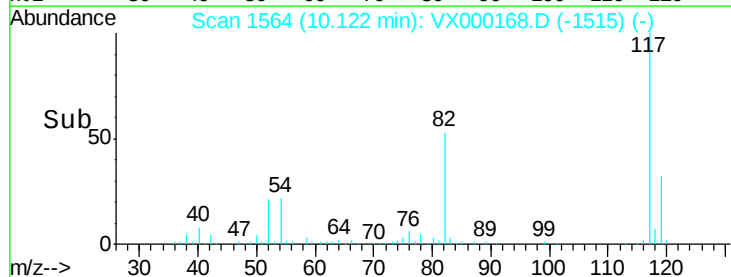
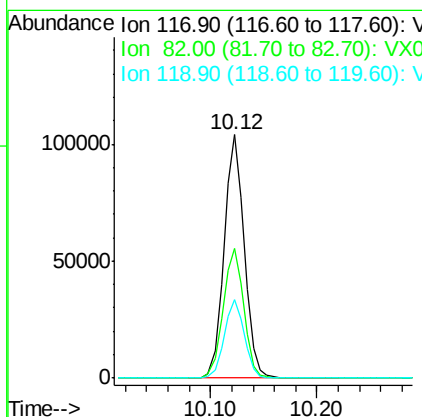
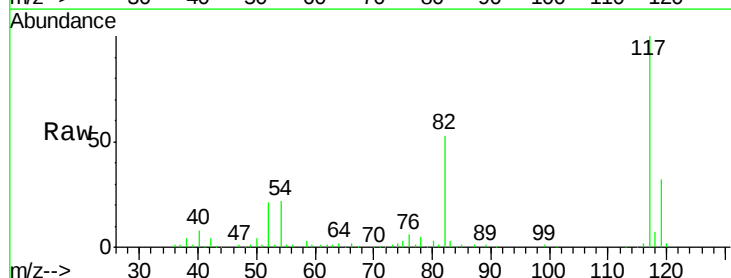
Instrument :
MSVOA_X
ClientSampleId :
AFTER-CARBON-2

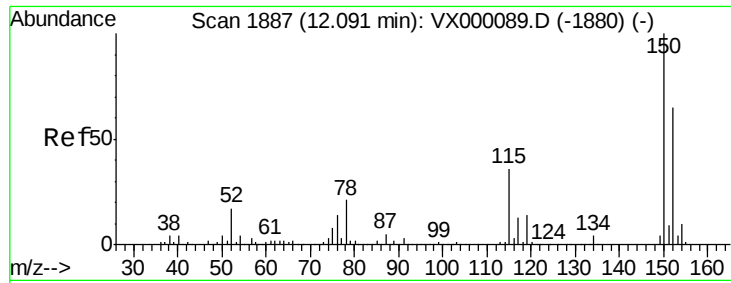
Tgt Ion: 95 Resp: 62016
Ion Ratio Lower Upper
95 100
174 87.0 0.0 187.8
176 84.8 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000168.D
Acq: 28 Feb 2018 15:46

Tgt Ion: 117 Resp: 137457
Ion Ratio Lower Upper
117 100
82 53.2 41.0 61.6
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

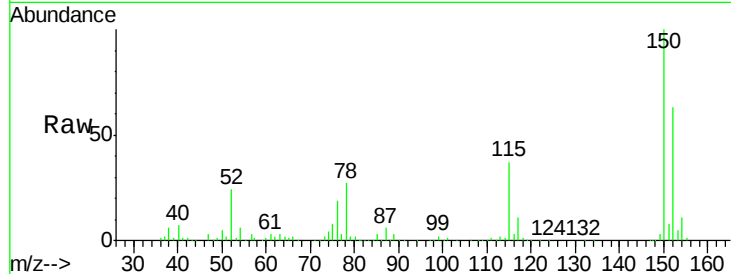
Tgt Ion:152 Resp: 71374

Ion Ratio Lower Upper

152 100

115 57.5 39.1 117.2

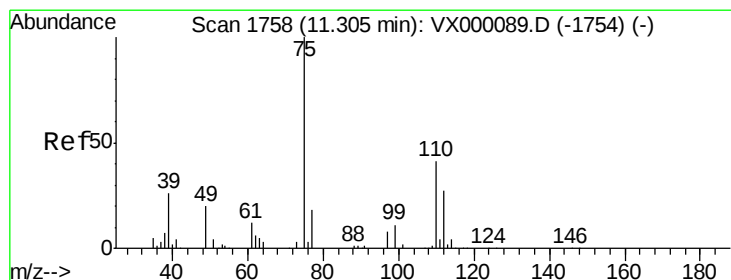
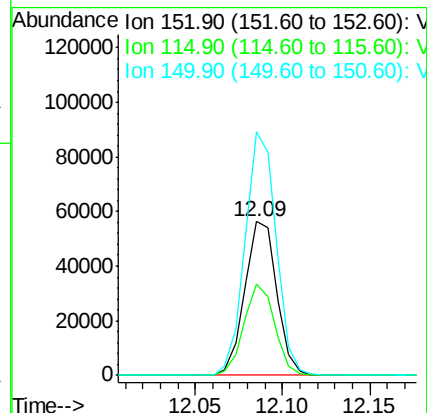
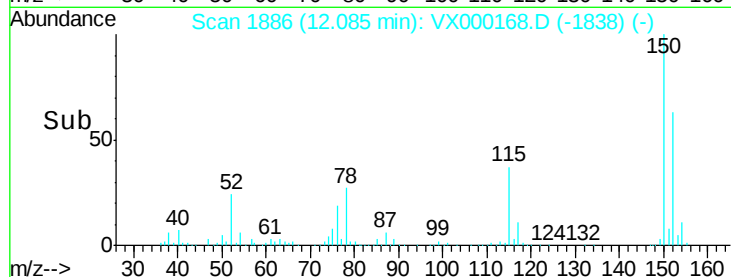
150 154.4 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 24.67 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000168.D

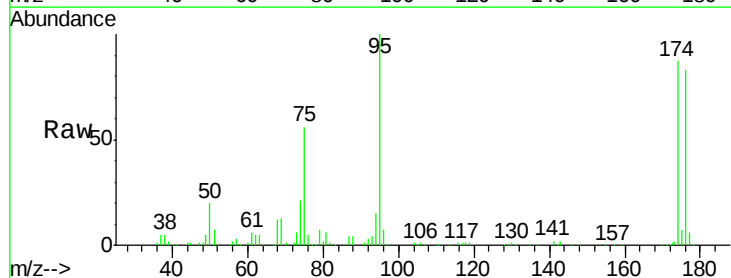
Acq: 28 Feb 2018 15:46

Tgt Ion: 75 Resp: 36472

Ion Ratio Lower Upper

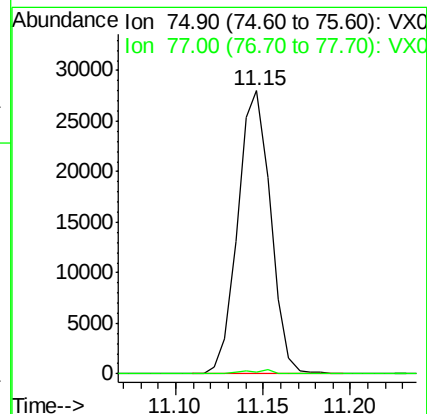
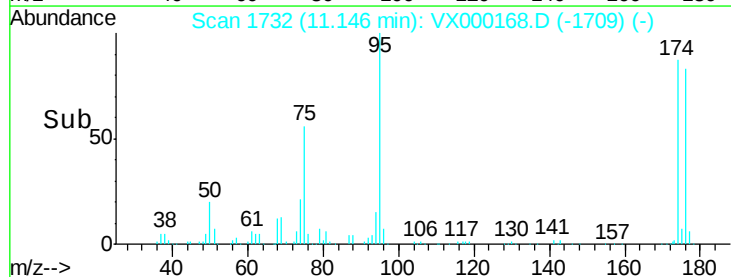
75 100

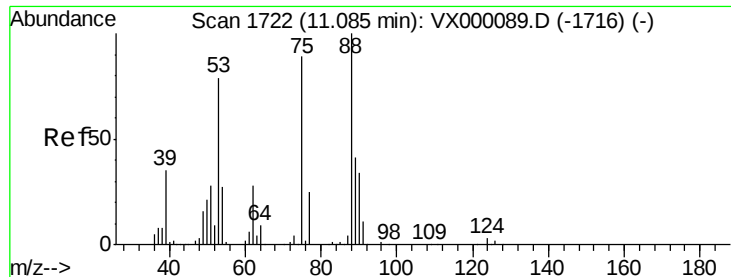
77 1.1 22.8 68.3#



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: 70.26 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000168.D

Acq: 28 Feb 2018 15:46

Instrument :

MSVOA_X

ClientSampleId :

AFTER-CARBON-2

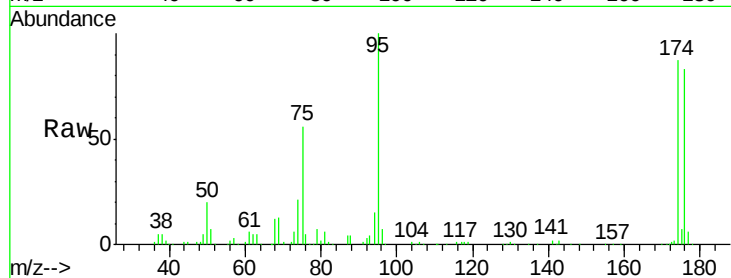
Tgt Ion: 75 Resp: 36472

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#



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

