

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030218\
 Data File : VX000196.D
 Acq On : 02 Mar 2018 17:18
 Operator : JC/MD
 Sample : J1767-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 03 04:42:34 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	88990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	144034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	136460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	69892	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	55945	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	5.52	113	42705	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	
50) Toluene-d8	8.73	98	176546	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.15	95	61799	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

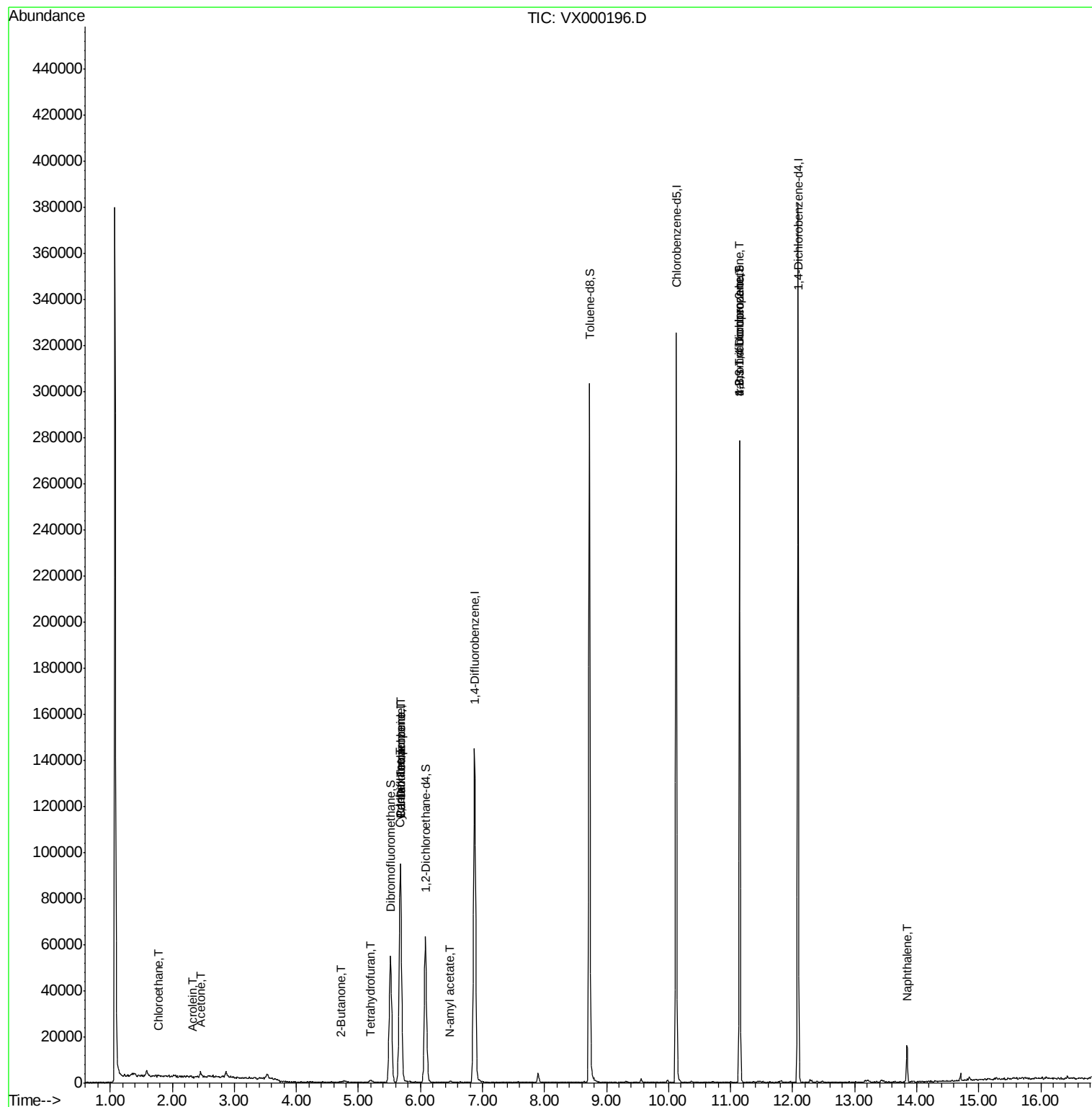
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.68	94	19	Below Cal	#	3
6) Chloroethane	1.78	64	785	1.17	ug/l #	42
13) Acrolein	2.32	56	51	0.25	ug/l #	15
16) Acetone	2.45	43	3307	4.59	ug/l	99
20) Methylene Chloride	2.87	84	1022	Below Cal	#	72
25) 2-Butanone	4.72	43	326	0.32	ug/l #	48
29) Tetrahydrofuran	5.19	42	417	0.64	ug/l #	88
31) Cyclohexane	5.67	56	2410	1.74	ug/l #	56
36) 1,1-Dichloropropene	5.67	75	6994	5.41	ug/l #	48
38) Carbon Tetrachloride	5.68	117	9271	6.64	ug/l #	17
41) Methacrylonitrile	5.09	41	20	Below Cal	#	1
74) N-amyl acetate	6.47	43	460	0.21	ug/l #	78
76) 1,2,3-Trichloropropane	11.15	75	35915	24.81	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	35915	70.65	ug/l #	12
95) Naphthalene	13.84	128	9031	1.57	ug/l	98

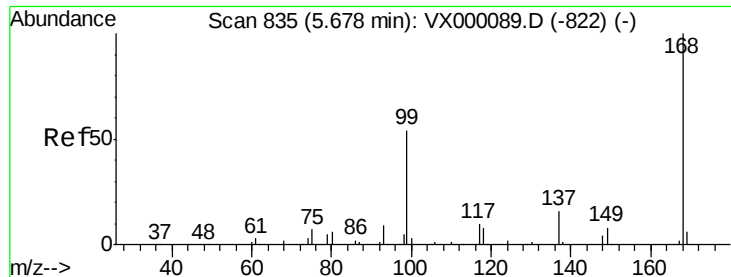
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

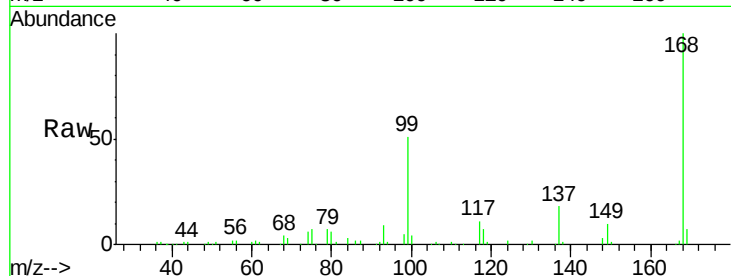
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 88990

Ion Ratio Lower Upper

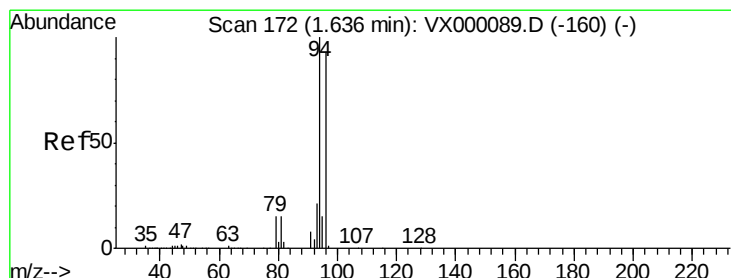
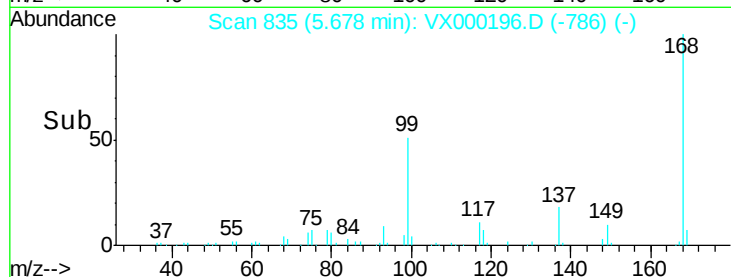
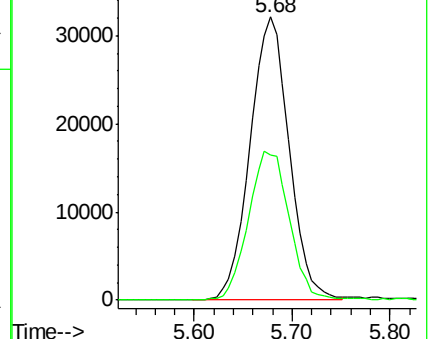
168 100

99 51.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.68 min Scan# 180

Delta R.T. 0.05 min

Lab File: VX000196.D

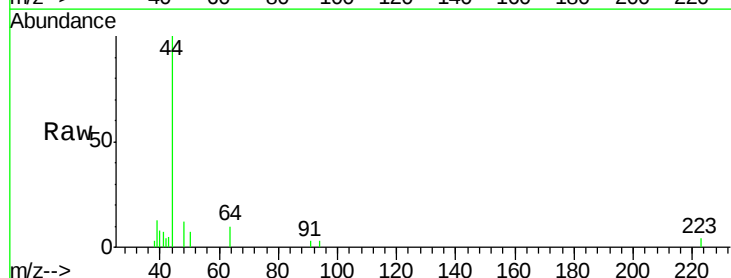
Acq: 02 Mar 2018 17:18

Tgt Ion: 94 Resp: 19

Ion Ratio Lower Upper

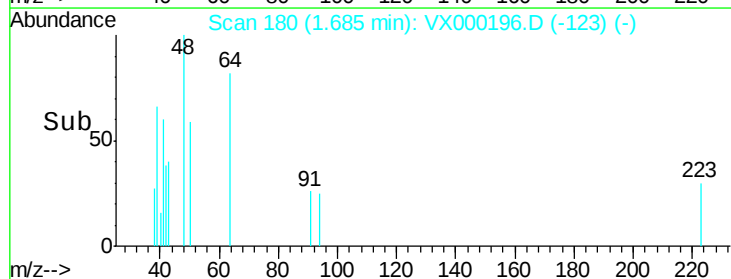
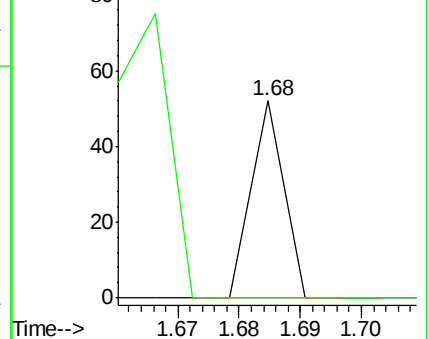
94 100

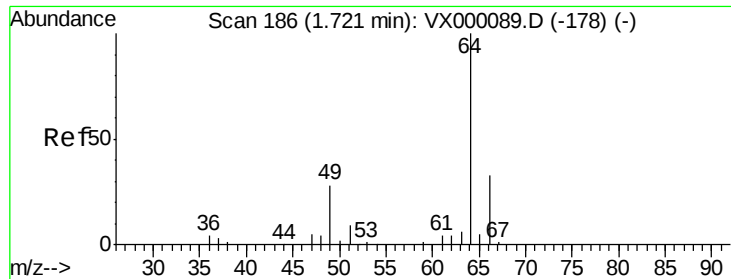
96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.17 ug/l

RT: 1.78 min Scan# 195

Delta R.T. 0.05 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

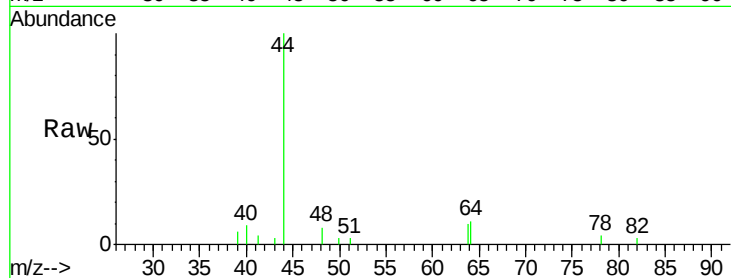
ClientSampleId :

Tot Ion: 64 Resp: 785

Ion Ratio Lower Upper

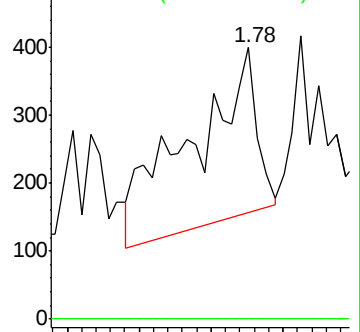
64 100

66 0.0 26.0 39.0#

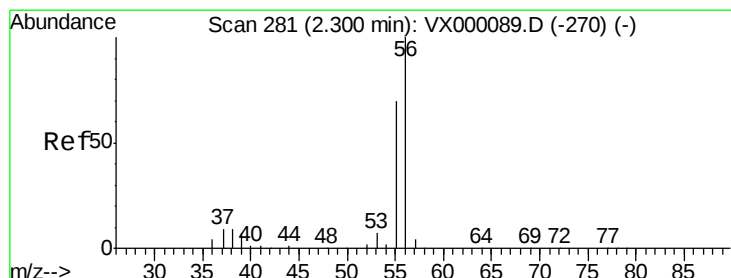
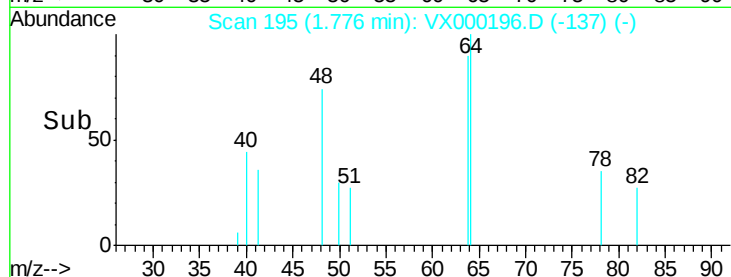


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#13

Acrolein

Concen: 0.25 ug/l

RT: 2.32 min Scan# 285

Delta R.T. 0.02 min

Lab File: VX000196.D

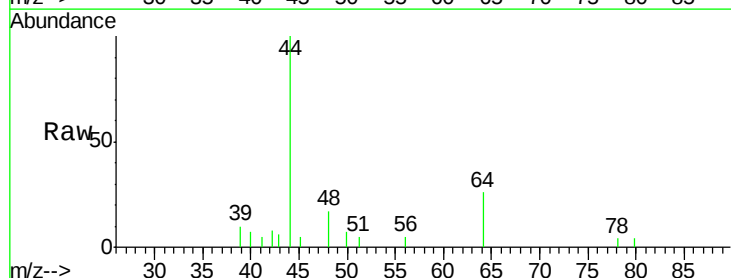
Acq: 02 Mar 2018 17:18

Tgt Ion: 56 Resp: 51

Ion Ratio Lower Upper

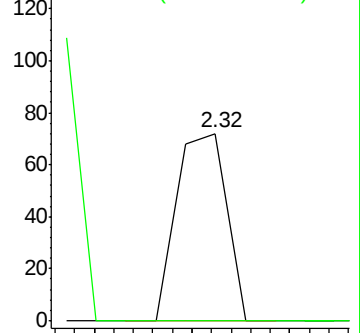
56 100

55 0.0 56.2 84.4#

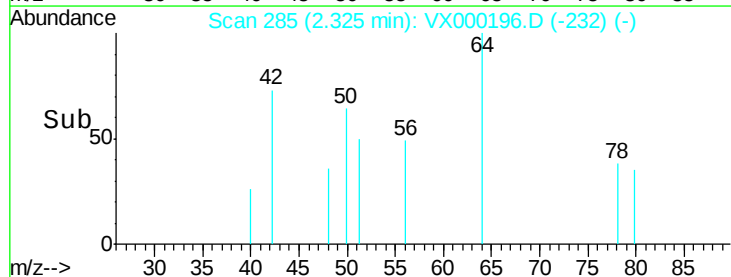


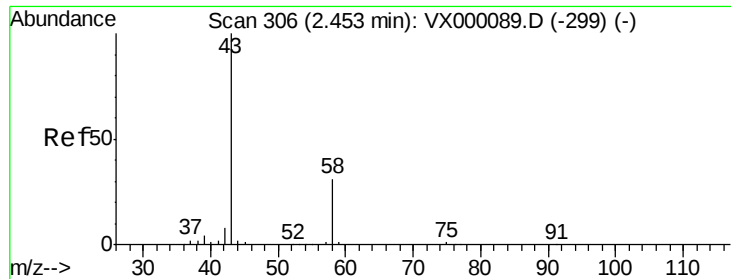
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 4.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

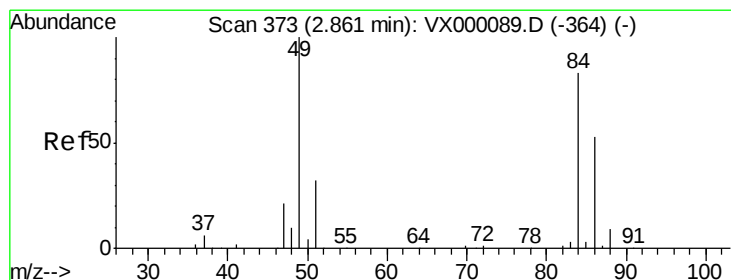
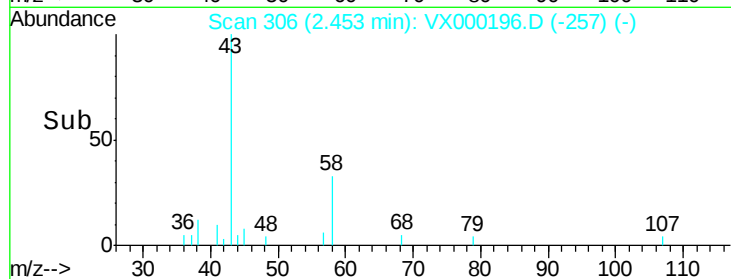
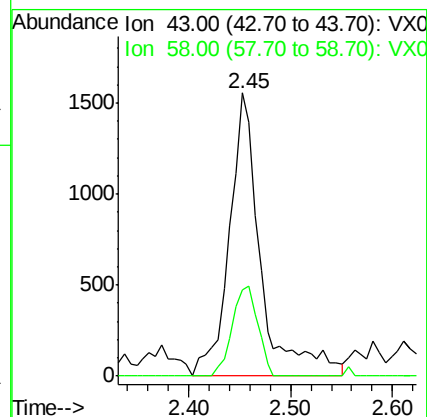
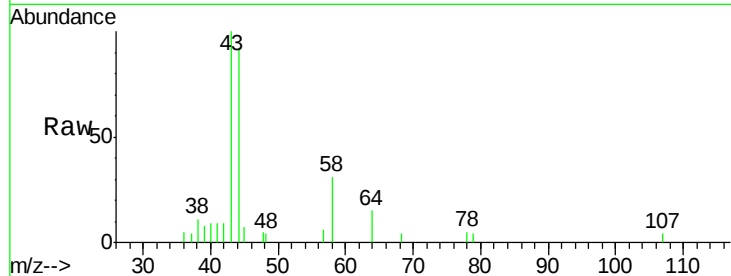
ClientSampleId :

Tot Ion: 43 Resp: 3307

Ion Ratio Lower Upper

43 100

58 30.5 25.0 37.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Tgt Ion: 84 Resp: 1022

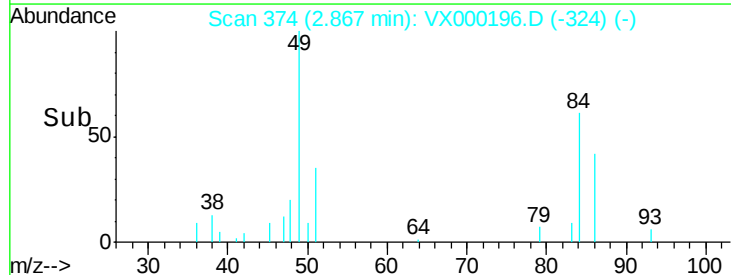
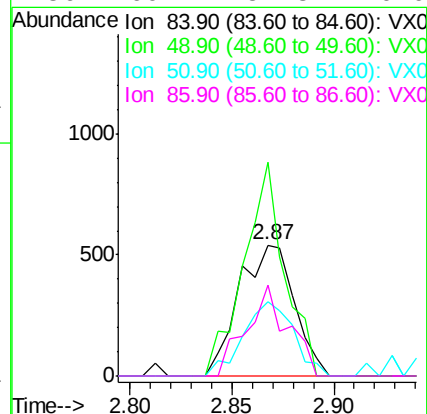
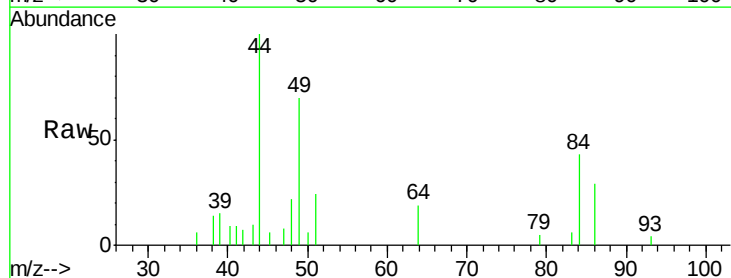
Ion Ratio Lower Upper

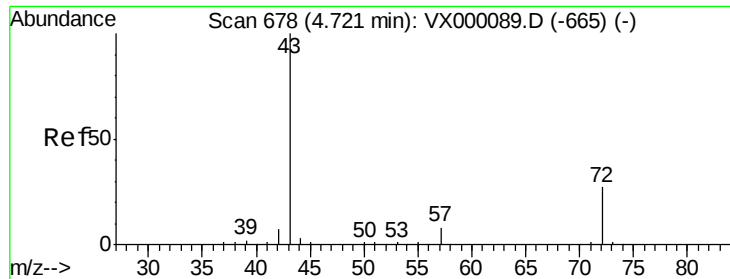
84 100

49 163.0 96.1 144.1#

51 56.7 30.5 45.7#

86 69.1 51.3 76.9





#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

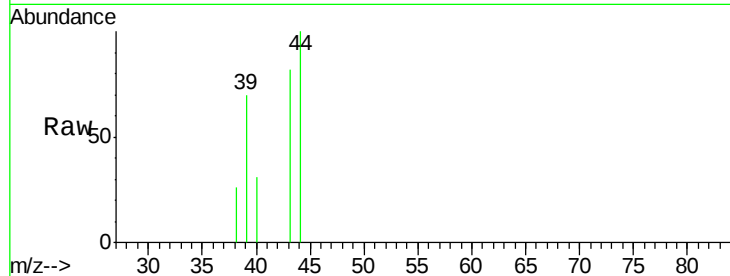
ClientSampled :

Tot Ion: 43 Resp: 326

Ion Ratio Lower Upper

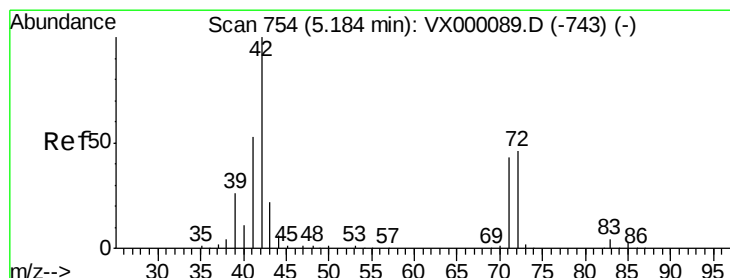
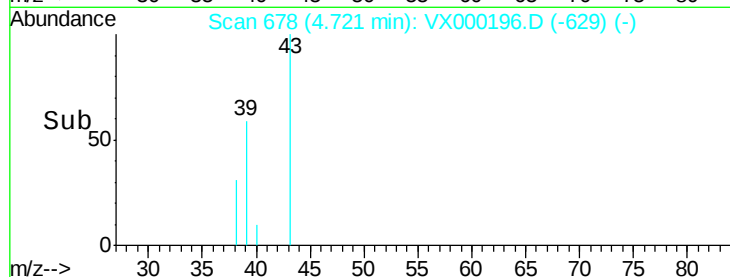
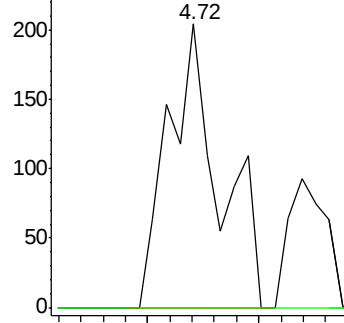
43 100

72 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.64 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

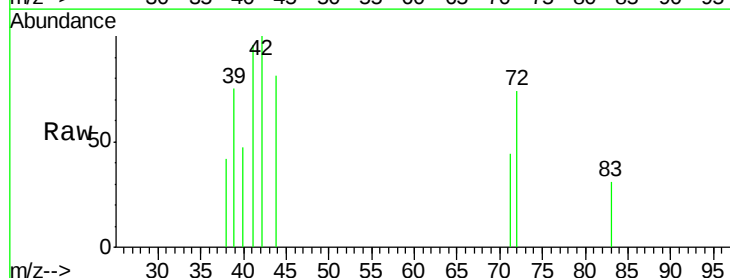
Tgt Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 37.2 38.6 58.0#

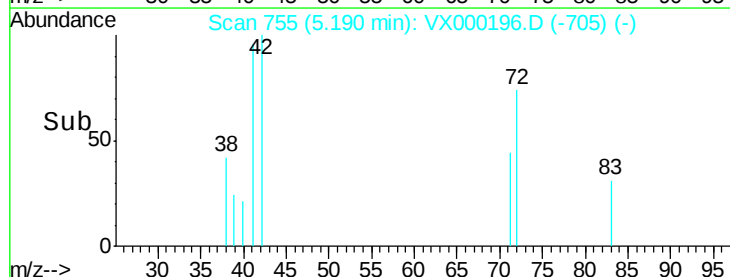
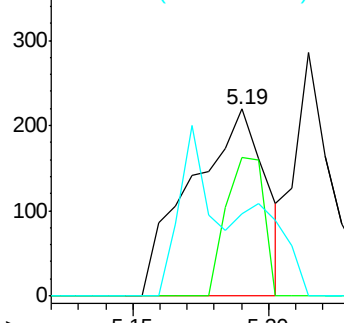
71 40.0 36.2 54.4

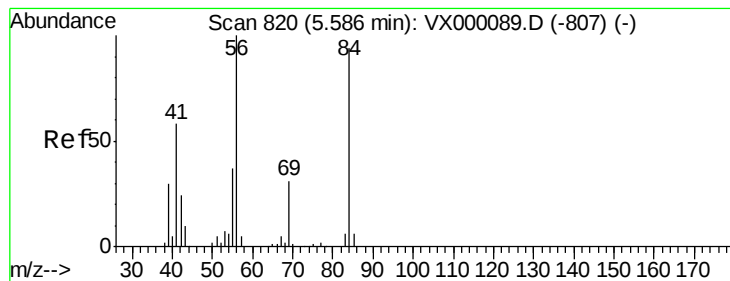


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.74 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.08 min

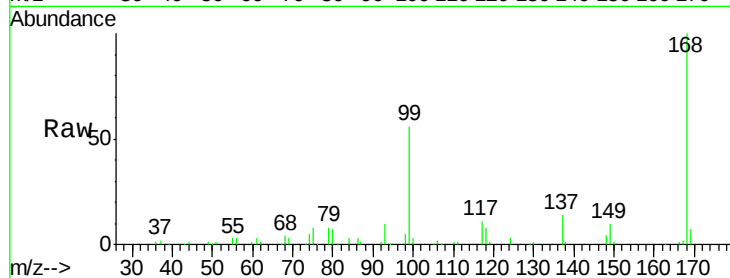
Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

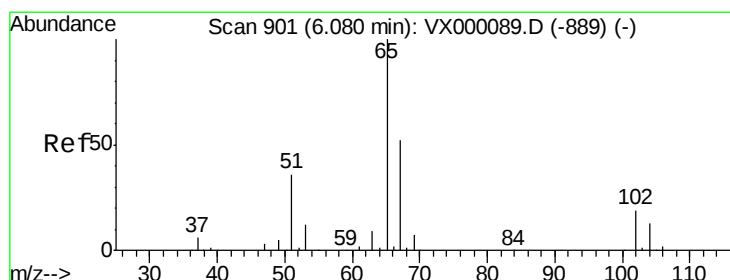
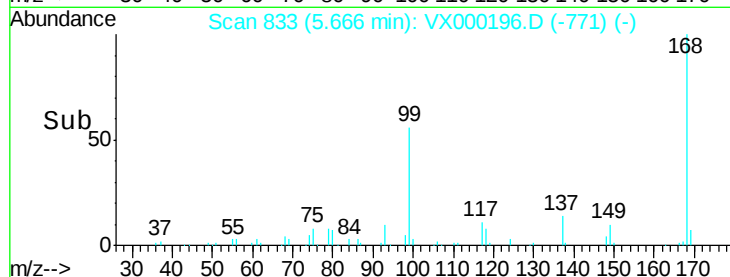
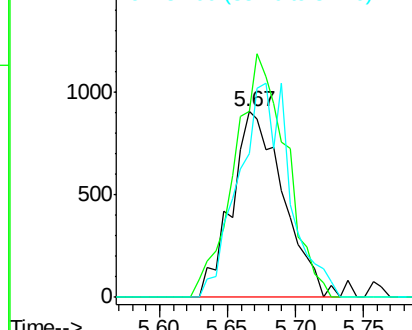
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 2410

Ion	Ratio	Lower	Upper
56	100		
69	100.4	24.9	37.3#
84	77.7	75.0	112.4



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: 50.34 ug/l

RT: 6.08 min Scan# 901

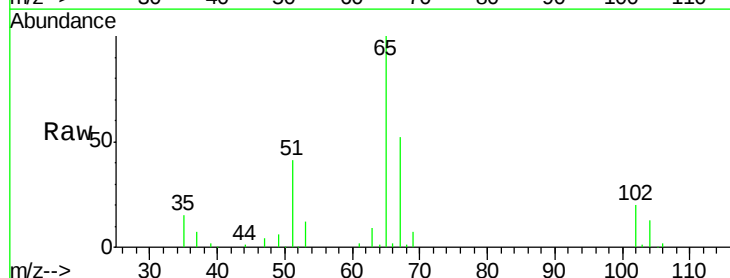
Delta R.T. 0.00 min

Lab File: VX000196.D

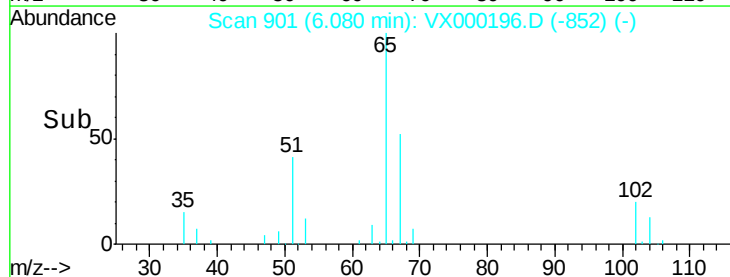
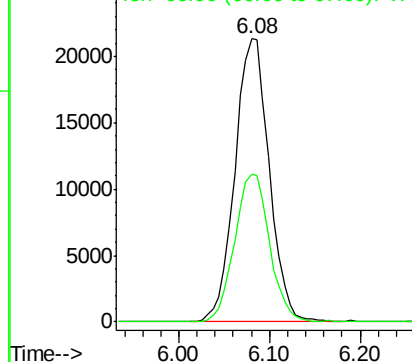
Acq: 02 Mar 2018 17:18

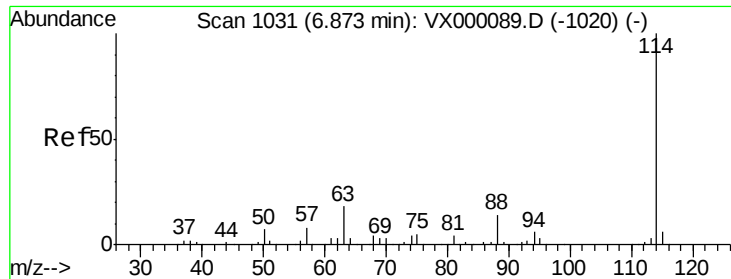
Tgt Ion: 65 Resp: 55945

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

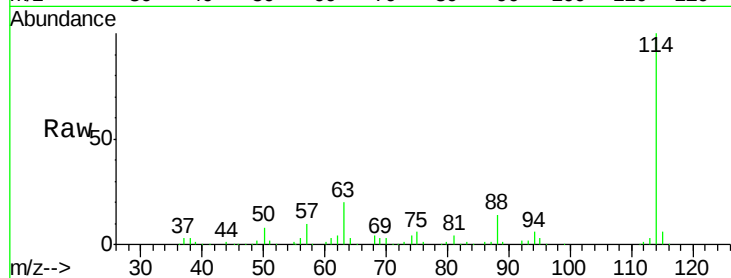




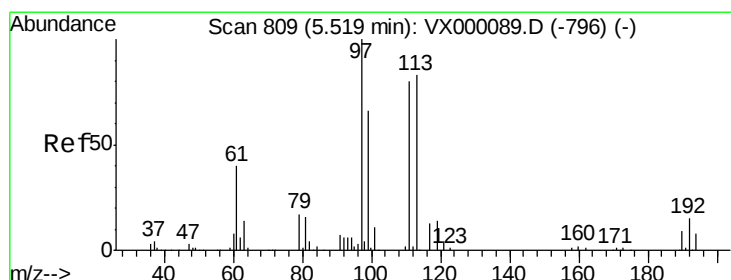
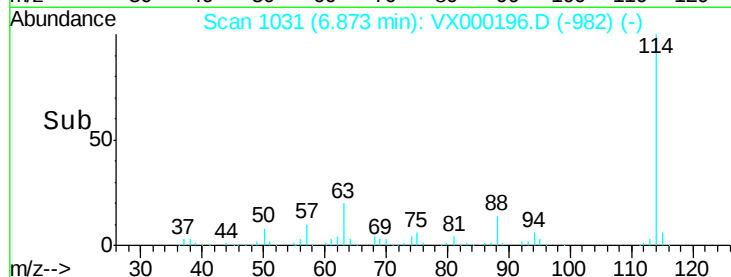
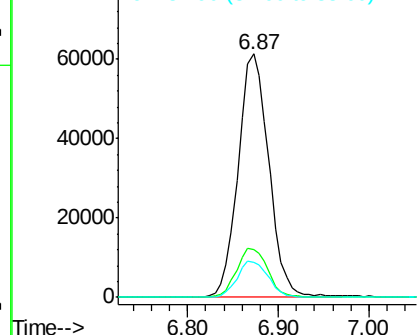
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000196.D
 Acq: 02 Mar 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 144034
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.4
 88 14.3 0.0 29.0

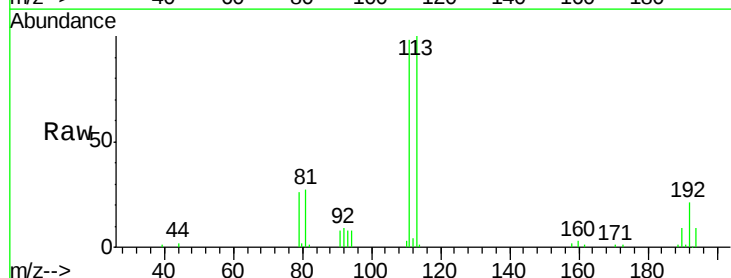


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

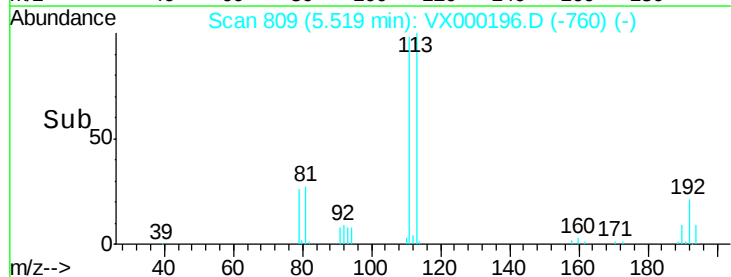
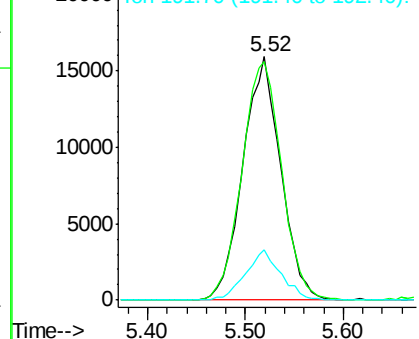


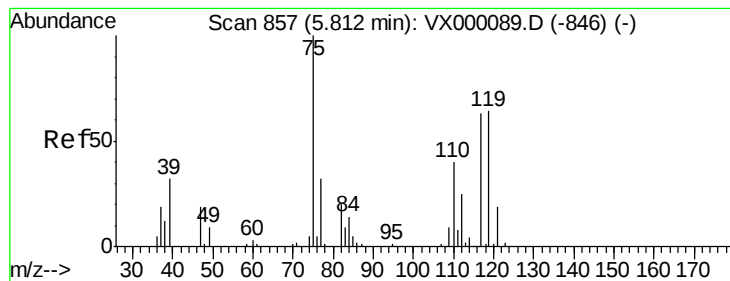
#35
 Dibromofluoromethane
 Concen: 46.98 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: VX000196.D
 Acq: 02 Mar 2018 17:18

Tgt Ion:113 Resp: 42705
 Ion Ratio Lower Upper
 113 100
 111 103.0 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: 5.41 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

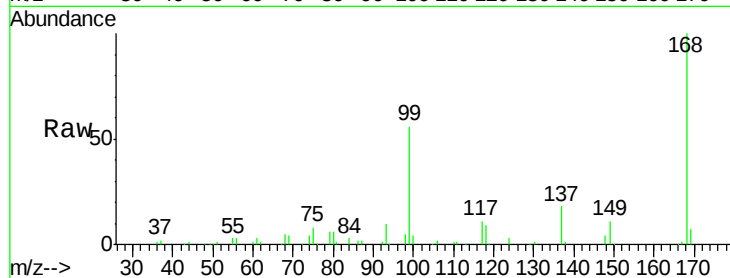
Tot Ion: 75 Resp: 6994

Ion Ratio Lower Upper

75 100

110 9.1 19.5 58.5#

77 0.0 24.7 37.1#

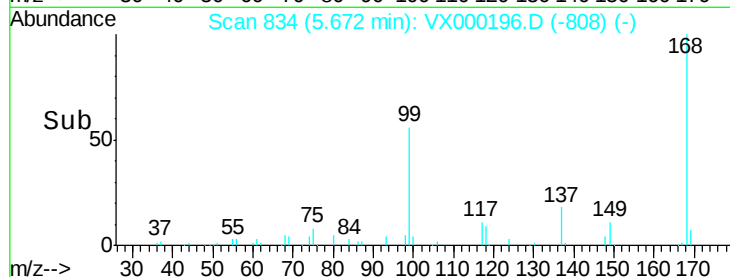


Abundance Ion 74.90 (74.60 to 75.60): VX000089.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000089.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000089.D (-846) (-)

Time-->

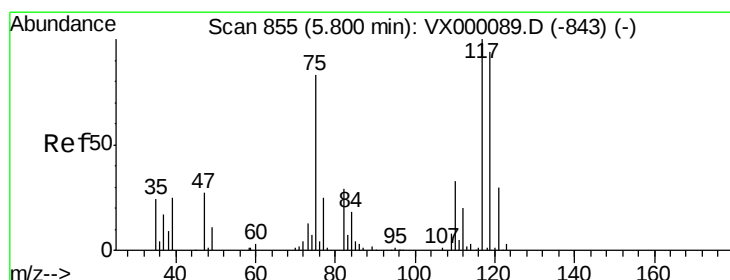


Abundance Ion 74.90 (74.60 to 75.60): VX000196.D (-808) (-)

Ion 109.90 (109.60 to 110.60): VX000196.D (-808) (-)

Ion 76.90 (76.60 to 77.60): VX000196.D (-808) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.64 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

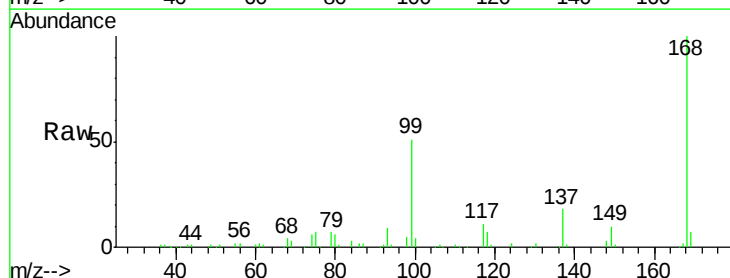
Tgt Ion: 117 Resp: 9271

Ion Ratio Lower Upper

117 100

119 5.1 75.3 112.9#

121 0.0 23.7 35.5#

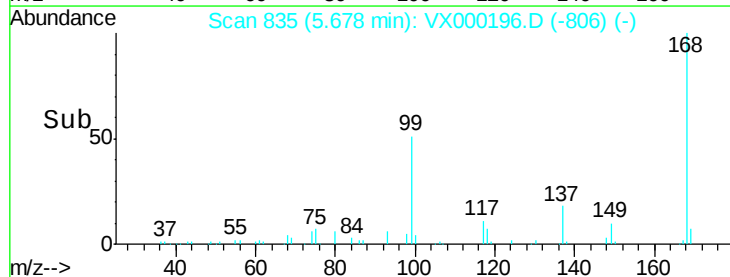


Abundance Ion 116.80 (116.50 to 117.50): VX000089.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000089.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000089.D (-843) (-)

Time-->

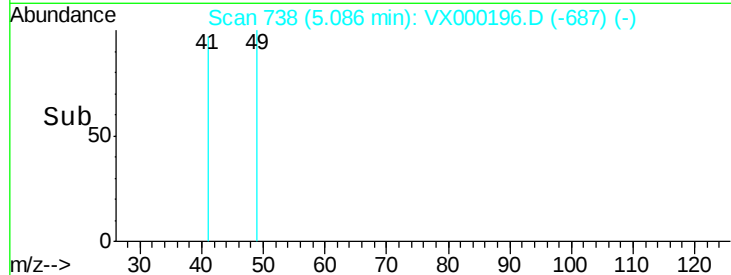
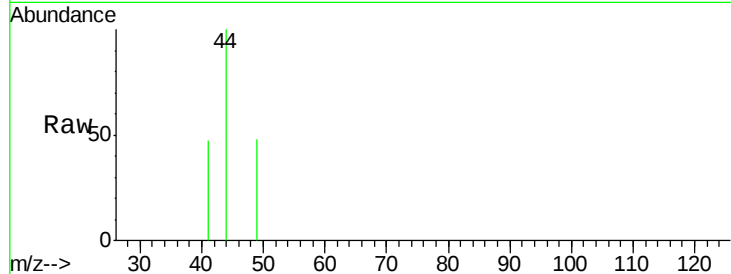
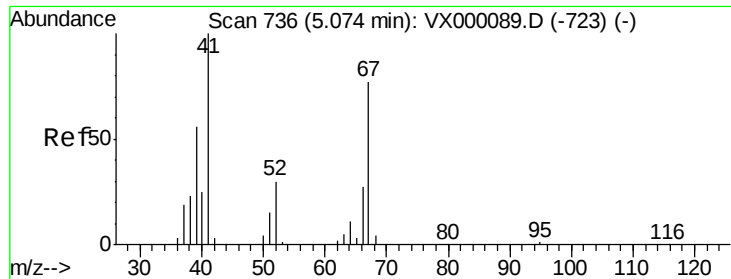


Abundance Ion 116.80 (116.50 to 117.50): VX000196.D (-806) (-)

Ion 118.80 (118.50 to 119.50): VX000196.D (-806) (-)

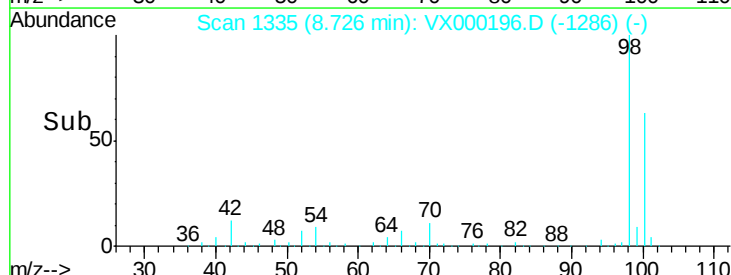
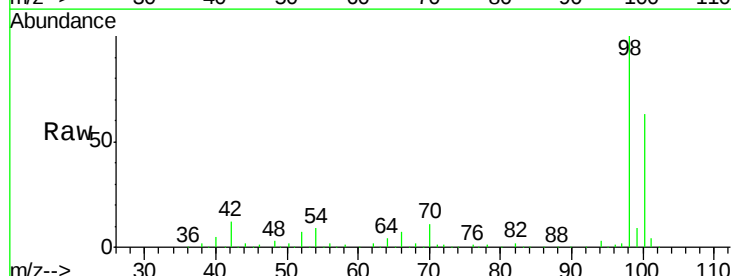
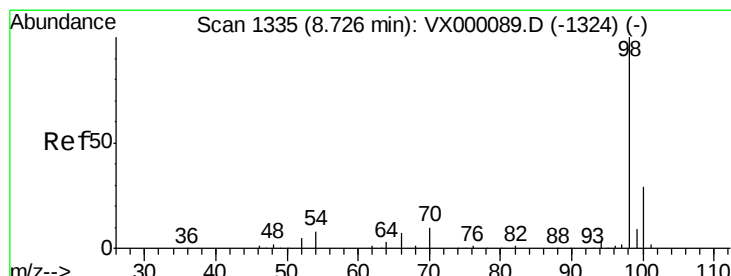
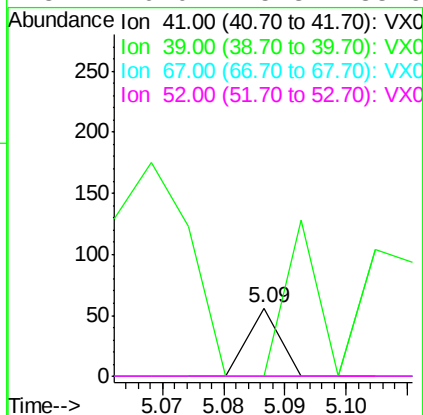
Ion 120.80 (120.50 to 121.50): VX000196.D (-806) (-)

Time-->



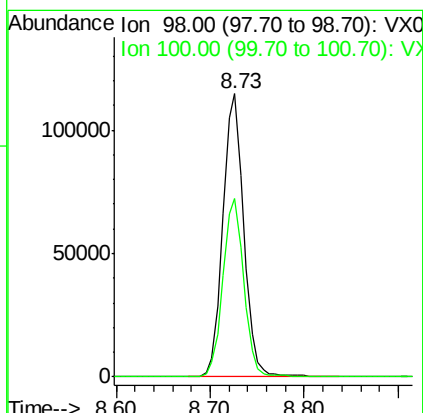
#41
Methacrylonitrile
Concen: Below Cal
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000196.D
Acq: 02 Mar 2018 17:18

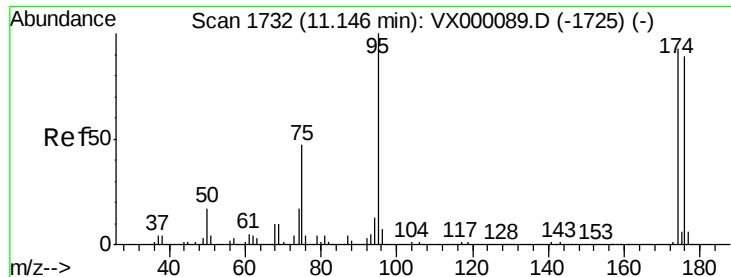
Tot Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	235.0	45.1	67.7#
67	0.0	61.0	91.4#
52	0.0	25.8	38.6#



#50
Toluene-d8
Concen: 49.23 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000196.D
Acq: 02 Mar 2018 17:18

Tgt Ion:	98	Resp:	176546
Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.2	78.2

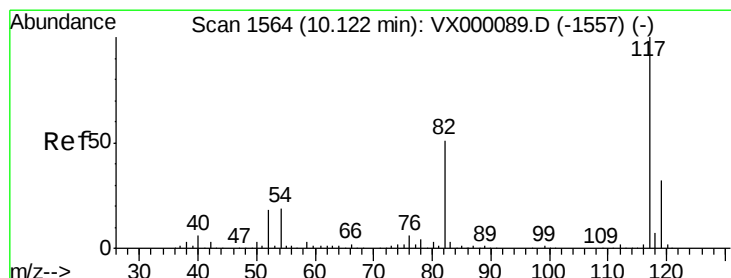
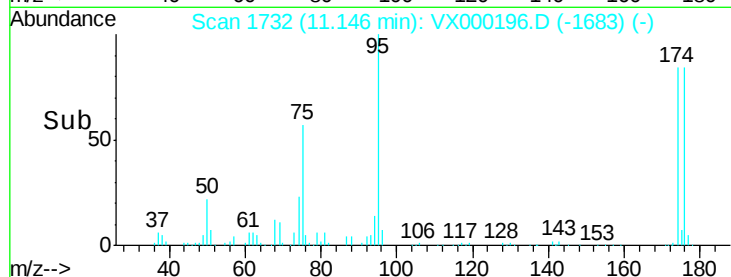
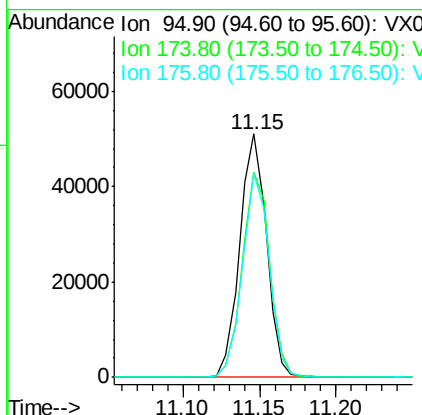
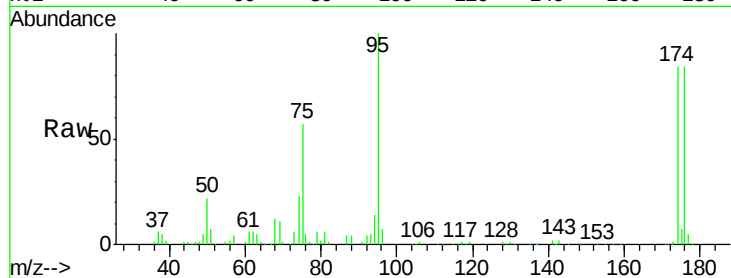




#62
4-Bromofluorobenzene
Concen: 43.95 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000196.D
Acq: 02 Mar 2018 17:18

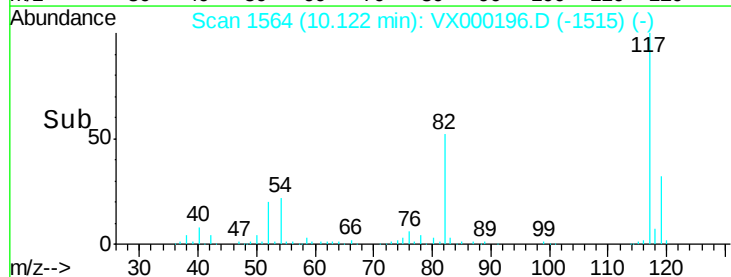
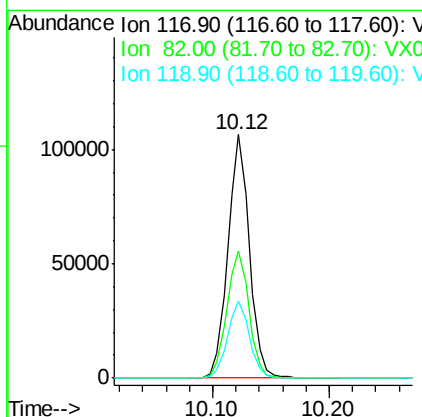
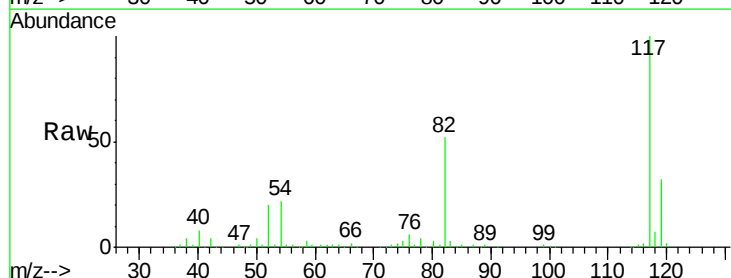
Instrument :
MSVOA_X
ClientSampleId :

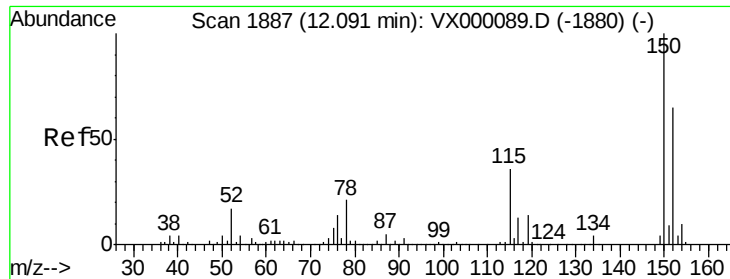
Tot Ion: 95 Resp: 61799
Ion Ratio Lower Upper
95 100
174 86.4 0.0 187.8
176 84.2 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000196.D
Acq: 02 Mar 2018 17:18

Tgt Ion: 117 Resp: 136460
Ion Ratio Lower Upper
117 100
82 52.3 41.0 61.6
119 31.7 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: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

ClientSampleId :

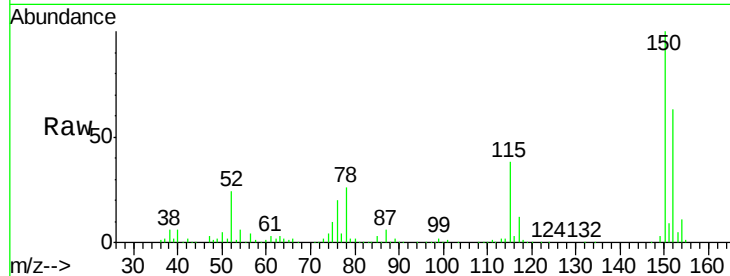
Tot Ion:152 Resp: 69892

Ion Ratio Lower Upper

152 100

115 59.4 39.1 117.2

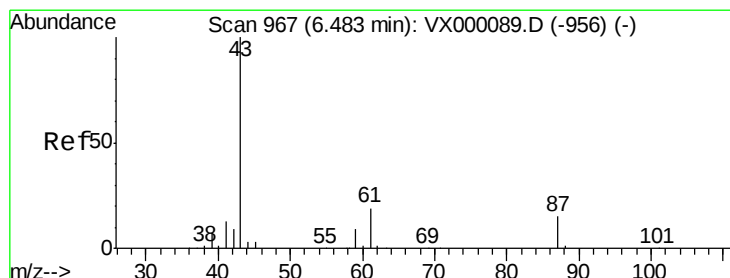
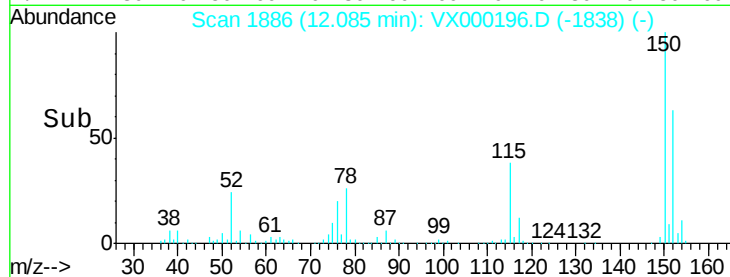
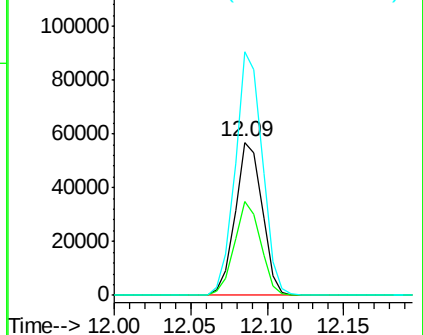
150 158.9 0.0 348.2



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



#74

N-ethyl acetate

Concen: 0.21 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Tgt Ion: 43 Resp: 460

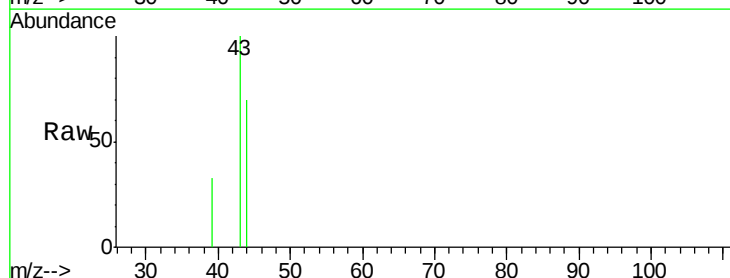
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 9.6 15.6 23.4#

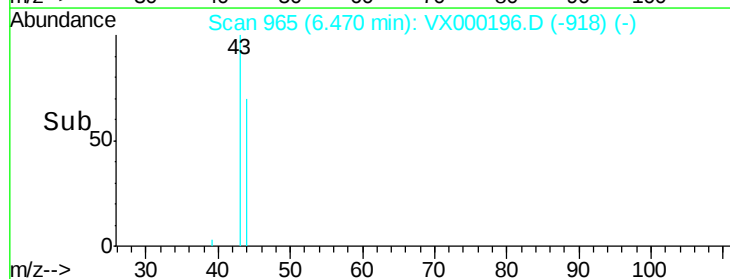
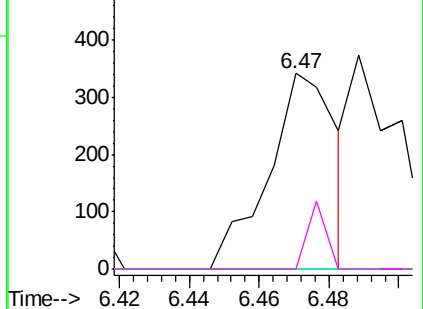


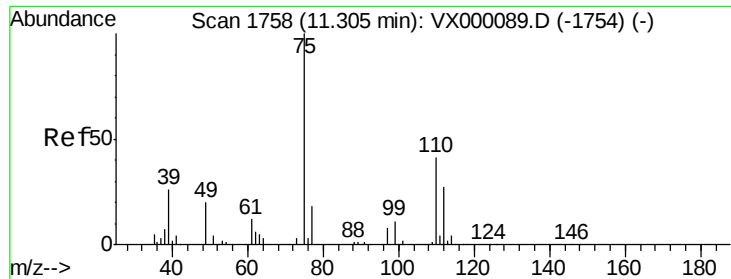
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.81 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

Instrument :

MSVOA_X

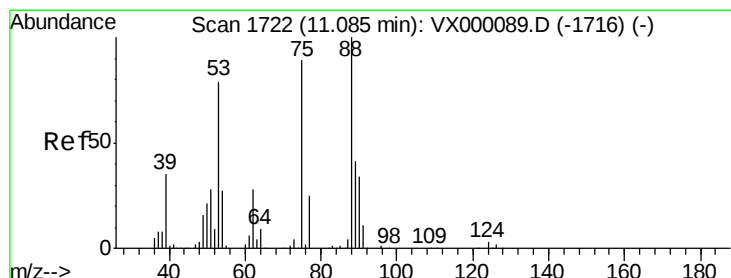
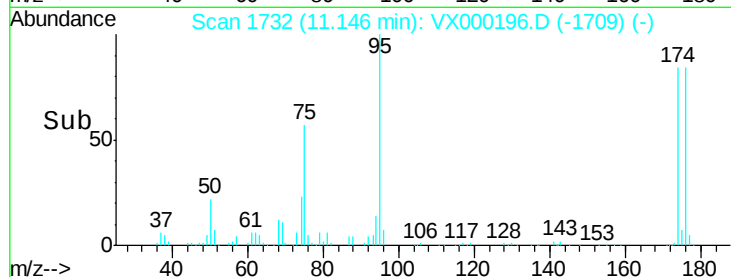
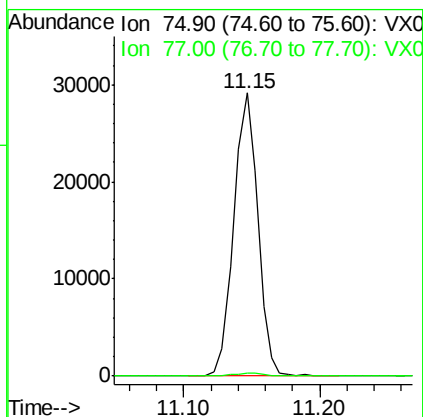
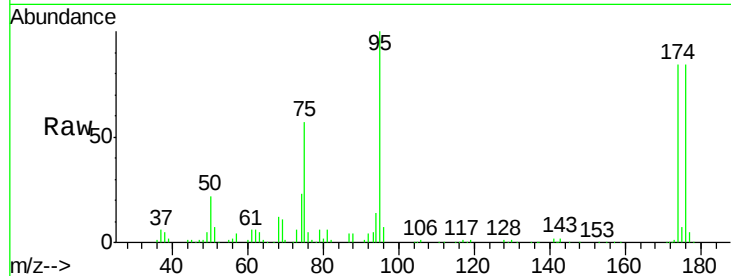
ClientSampleId :

Tot Ion: 75 Resp: 35915

Ion Ratio Lower Upper

75 100

77 1.5 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.65 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000196.D

Acq: 02 Mar 2018 17:18

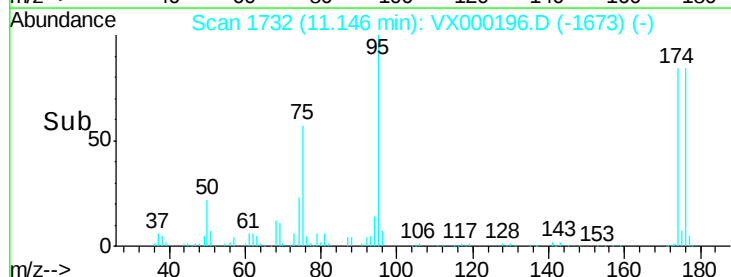
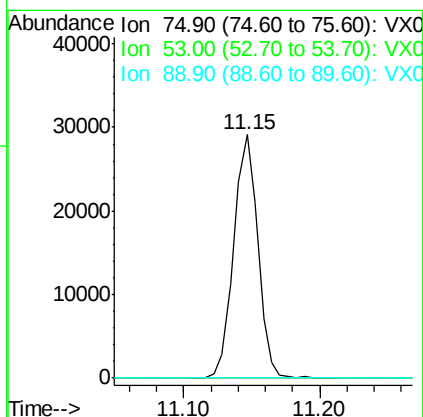
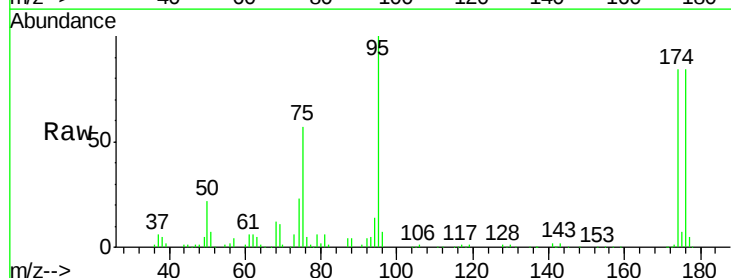
Tgt Ion: 75 Resp: 35915

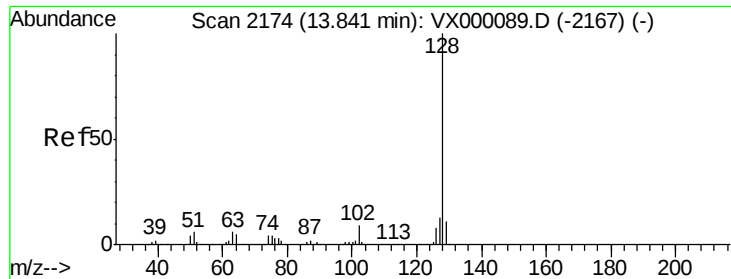
Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#

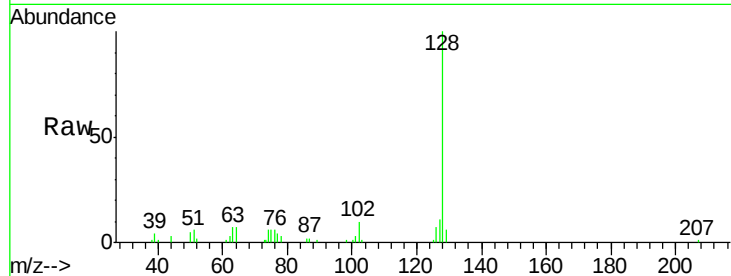




#95
 Naphthalene
 Concen: 1.57 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX000196.D
 Acq: 02 Mar 2018 17:18

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:128 Resp: 9031
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.4 15.6
 129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

