

Data File : VX001341.D

Acq On : 03 May 2018 02:59

Operator : JC/MD

Sample : PB108794ZHE#20

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#20

Quant Time: May 03 05:12:58 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	153565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	203756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102028	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	97508	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	5.51	113	80133	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
50) Toluene-d8	8.72	98	292105	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	11.14	95	92150	36.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.48%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	449	Below Cal	#	58
10) Methyl Iodide	2.52	142	328	4.49	ug/l #	88
11) Tert butyl alcohol	3.08	59	362	0.99	ug/l #	88
16) Acetone	2.45	43	13068	14.40	ug/l	98
18) Methyl Acetate	2.79	43	16983	7.92	ug/l	96
20) Methylene Chloride	2.87	84	3689	0.68	ug/l	98
25) 2-Butanone	4.73	43	4469	3.64	ug/l #	90
29) Tetrahydrofuran	5.18	42	1064	1.41	ug/l #	67
31) Cyclohexane	5.67	56	2764	1.06	ug/l #	25
36) 1,1-Dichloropropene	5.68	75	9355	3.98	ug/l #	50
38) Carbon Tetrachloride	5.67	117	13129	5.33	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	793	0.32	ug/l	99
59) 2-Hexanone	9.51	43	838	0.43	ug/l	93
76) 1,2,3-Trichloropropane	11.15	75	47891	25.38	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.15	75	47891	79.79	ug/l #	6

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

Data File : VX001341.D

Acq On : 03 May 2018 02:59

Operator : JC/MD

Sample : PB108794ZHE#20

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 36 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

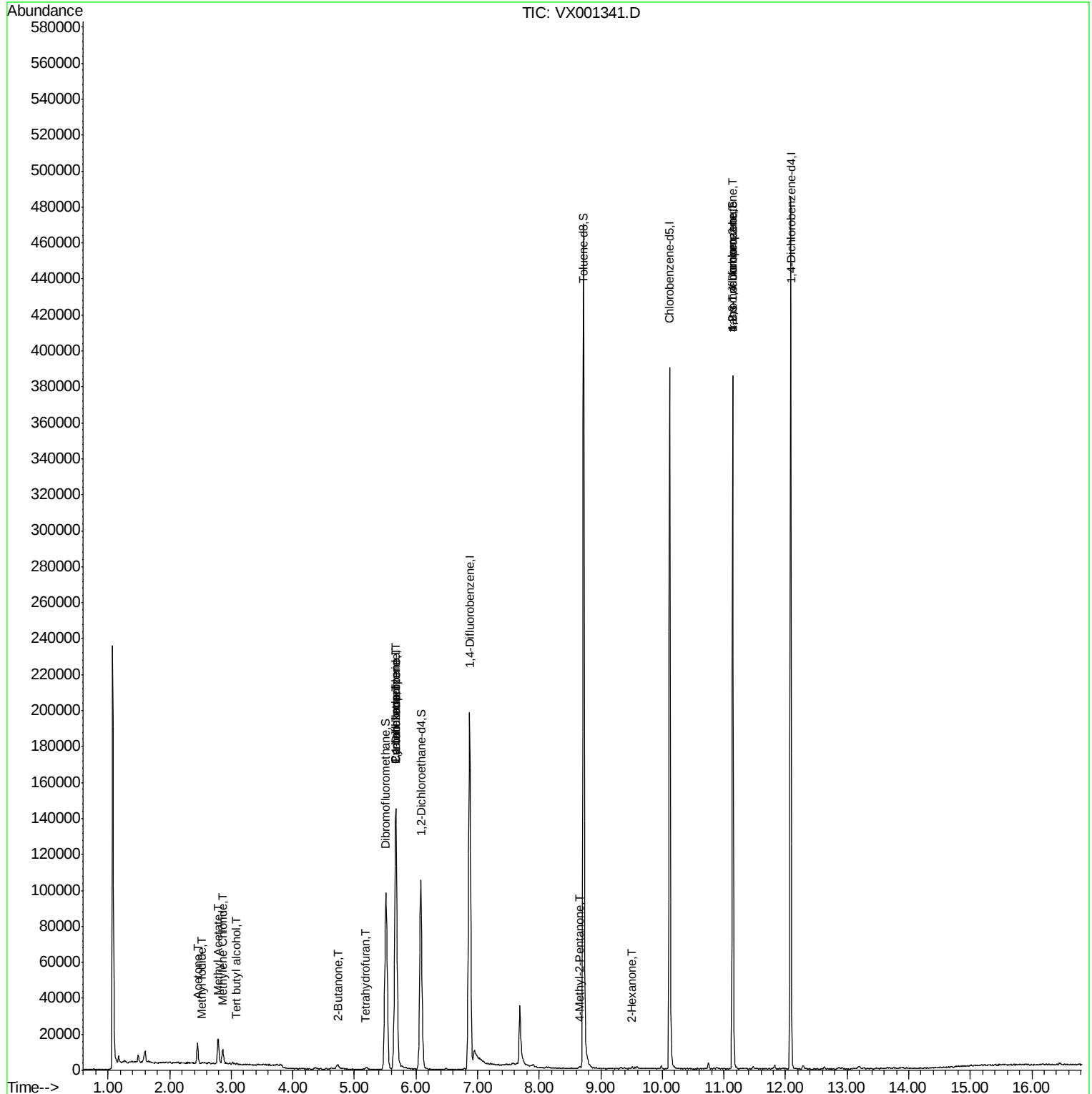
Quant Time: May 03 05:12:58 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

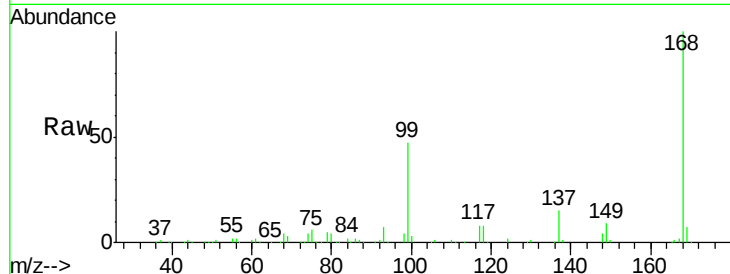
PB108794ZHE#20

Tgt Ion:168 Resp: 153565

Ion Ratio Lower Upper

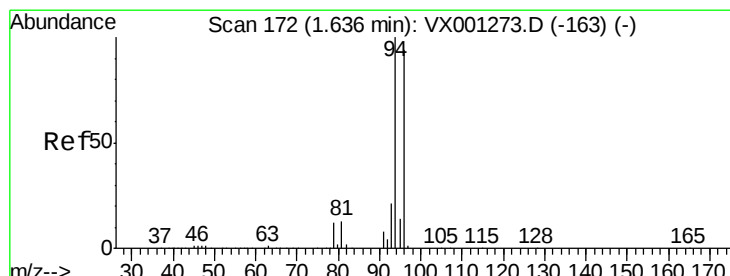
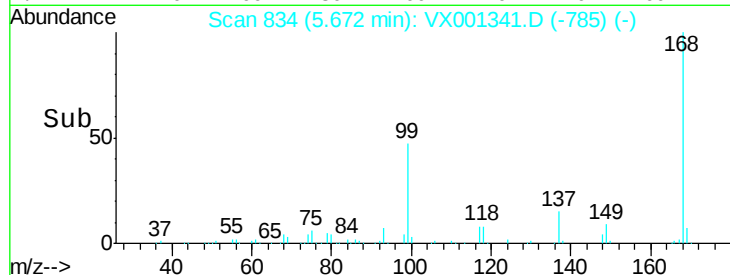
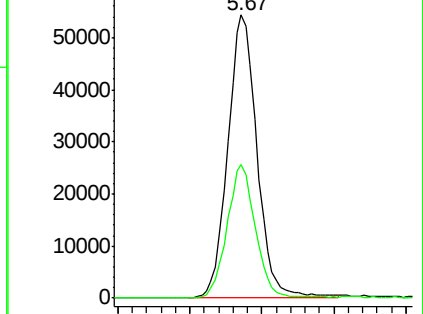
168 100

99 47.2 36.5 54.7



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: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001341.D

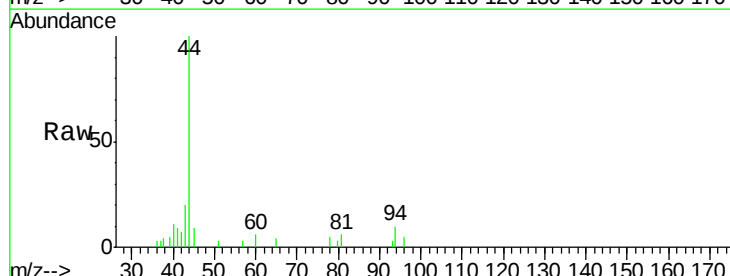
Acq: 03 May 2018 02:59

Tgt Ion: 94 Resp: 449

Ion Ratio Lower Upper

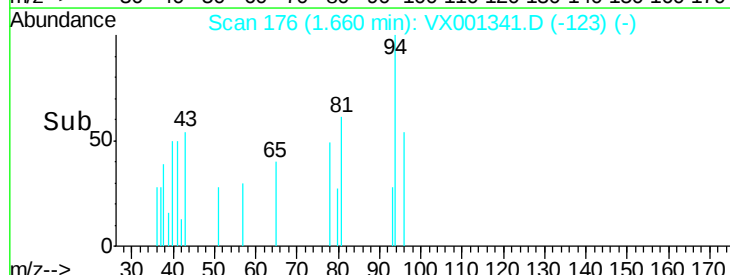
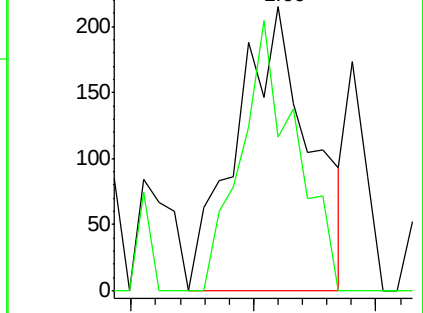
94 100

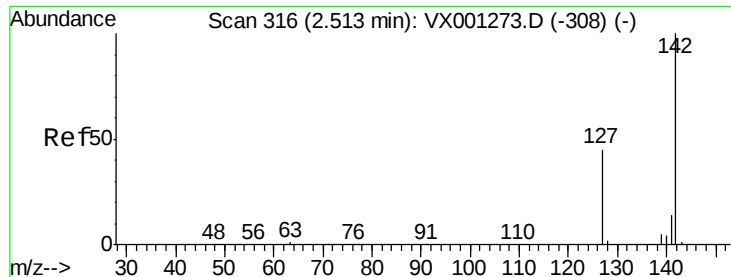
96 54.0 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

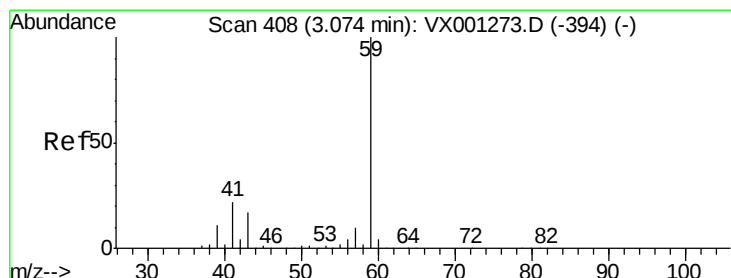
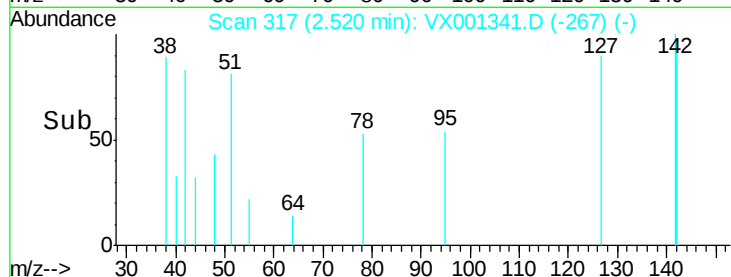
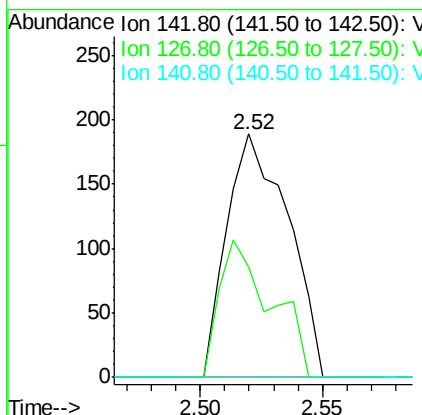
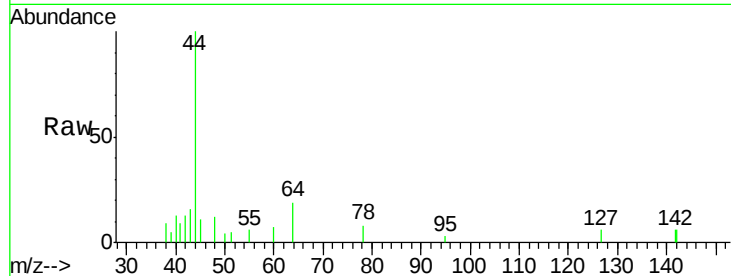




#10
Methyl Iodide
Concen: 4.49 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

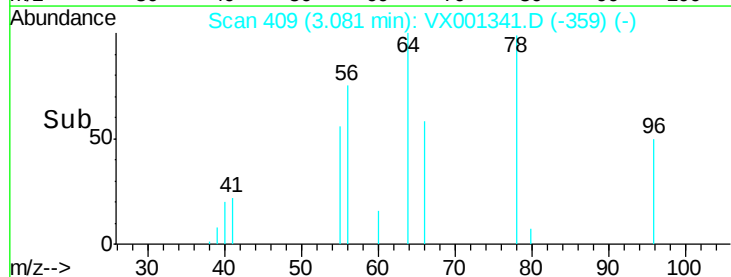
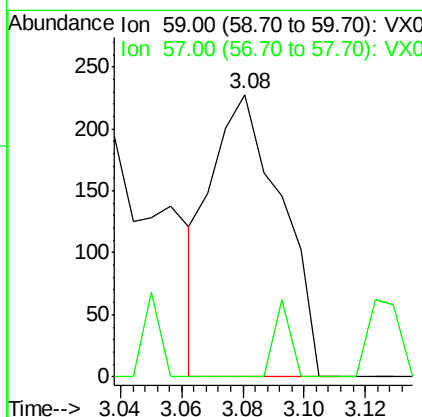
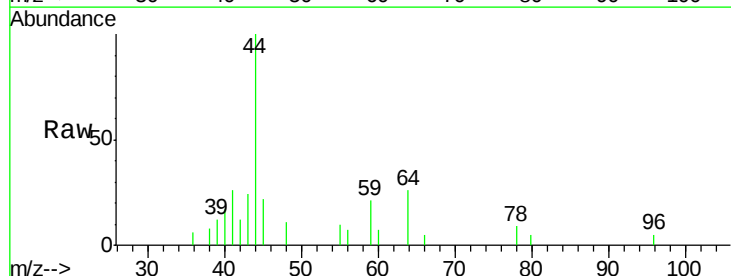
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#20

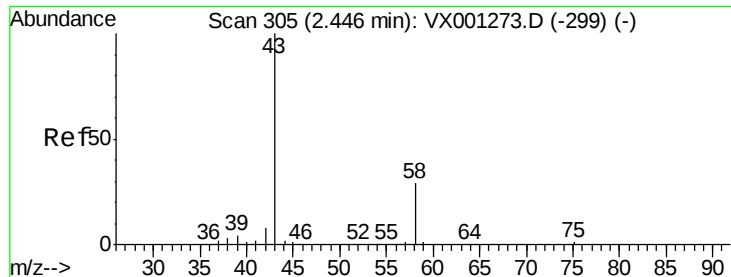
Tgt Ion:142 Resp: 328
Ion Ratio Lower Upper
142 100
127 47.9 35.7 53.5
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.99 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 6.4 8.6 12.8#





#16

Acetone

Concen: 14.40 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

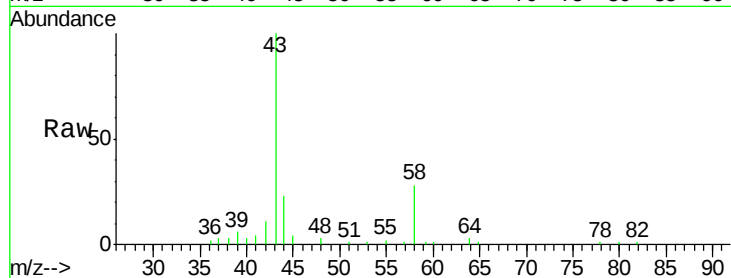
PB108794ZHE#20

Tgt Ion: 43 Resp: 13068

Ion Ratio Lower Upper

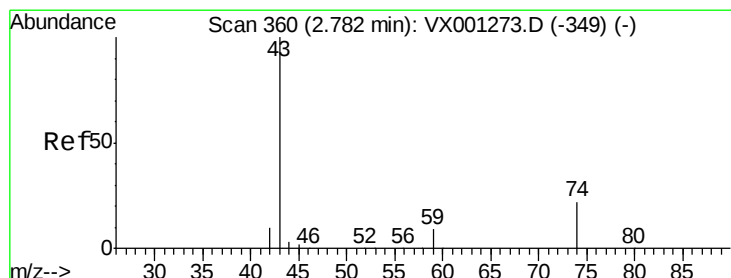
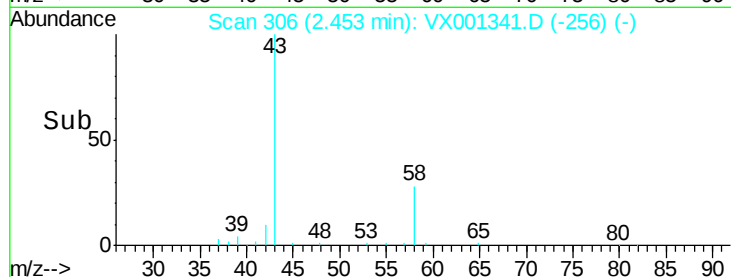
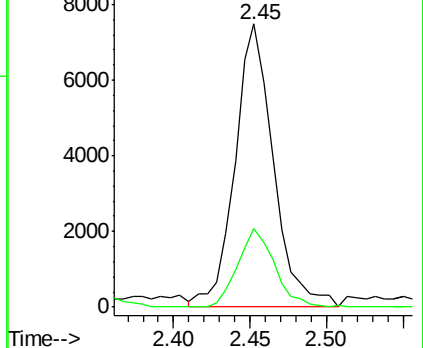
43 100

58 27.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 7.92 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001341.D

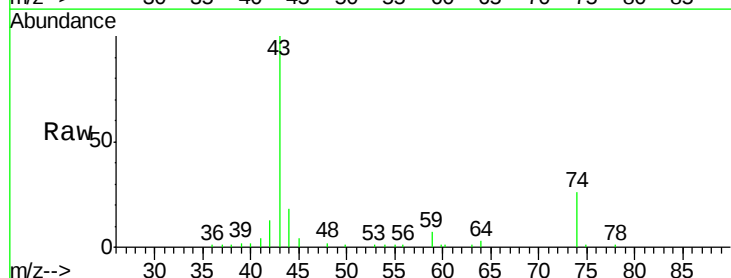
Acq: 03 May 2018 02:59

Tgt Ion: 43 Resp: 16983

Ion Ratio Lower Upper

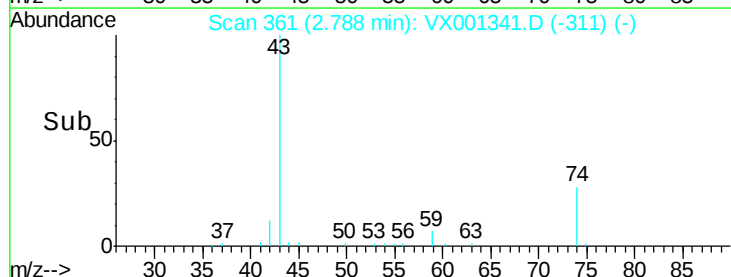
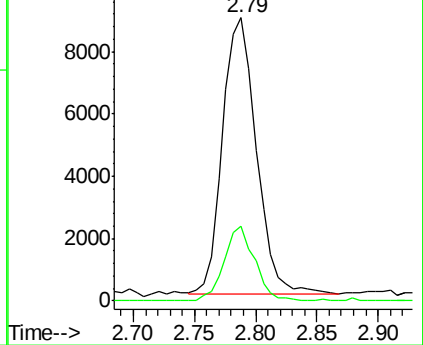
43 100

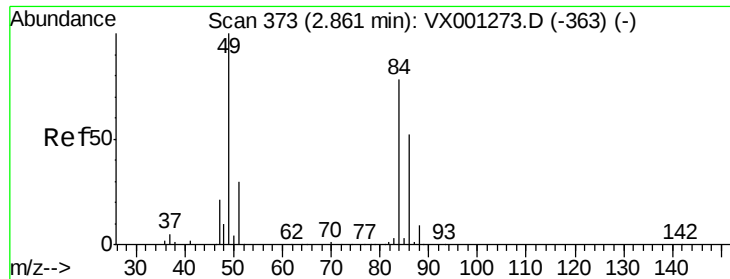
74 24.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

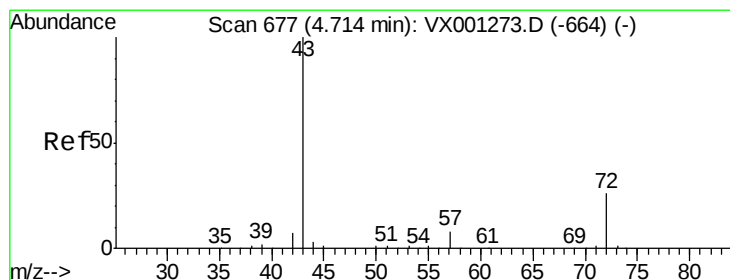
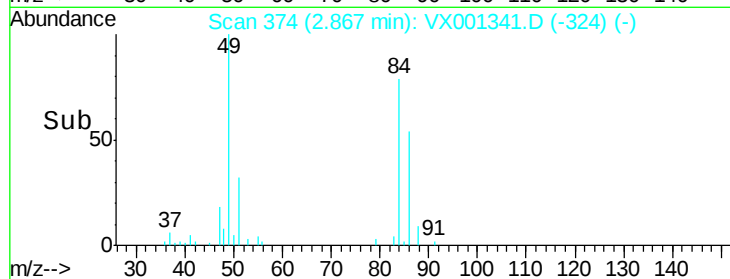
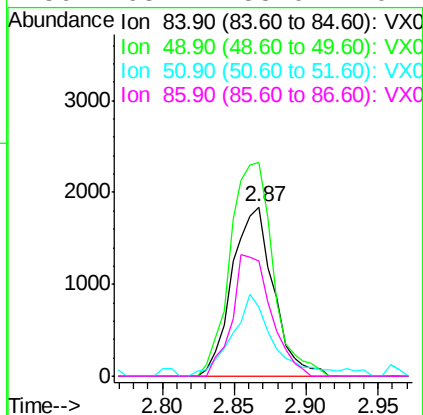
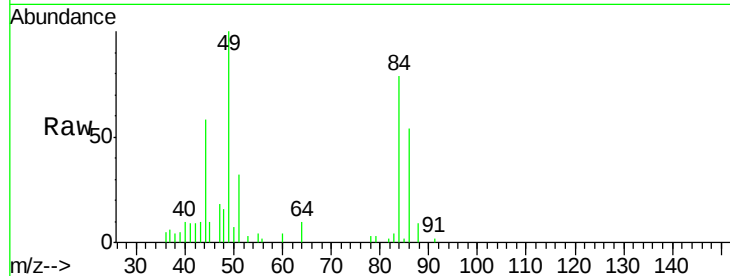




#20
Methylene Chloride
Concen: 0.68 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

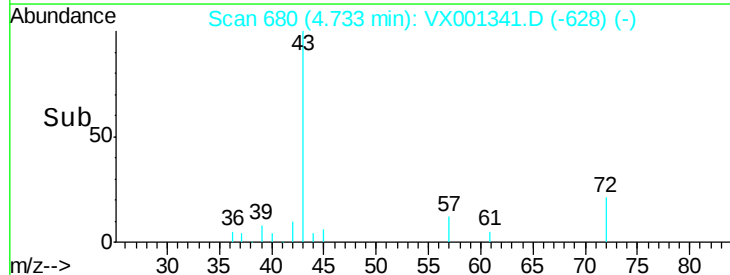
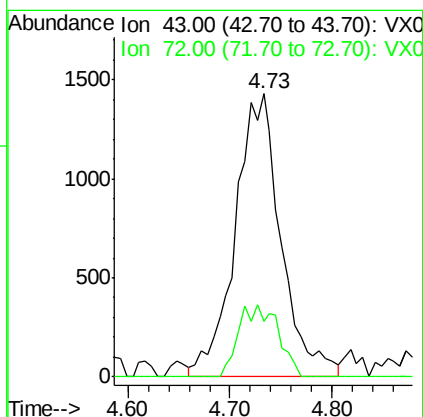
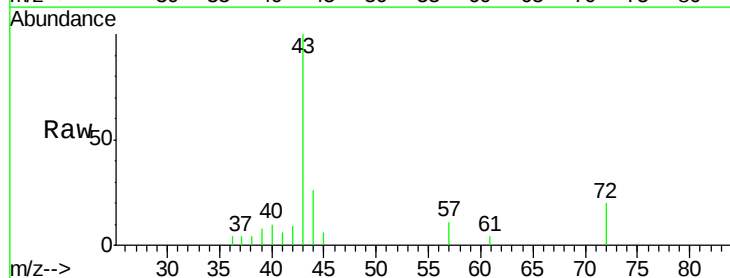
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#20

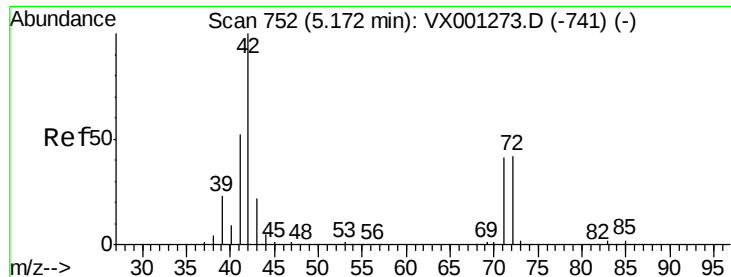
Tgt Ion: 84 Resp: 3689
Ion Ratio Lower Upper
84 100
49 126.4 102.8 154.2
51 40.8 30.9 46.3
86 68.1 53.0 79.4



#25
2-Butanone
Concen: 3.64 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

Tgt Ion: 43 Resp: 4469
Ion Ratio Lower Upper
43 100
72 20.4 20.5 30.7#





#29

Tetrahydrofuran

Concen: 1.41 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

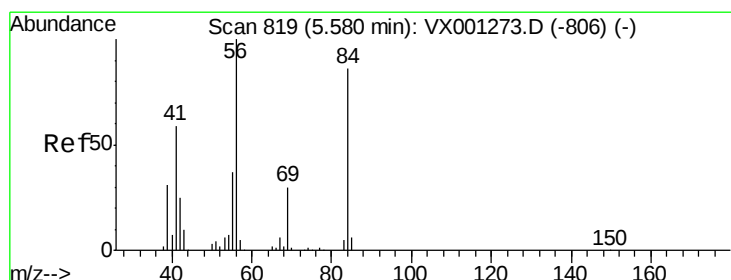
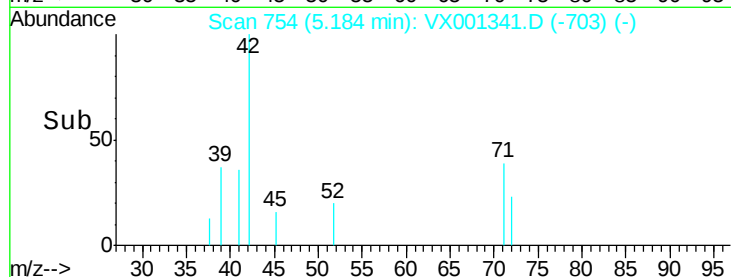
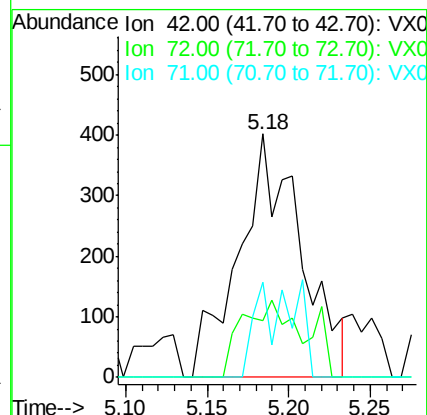
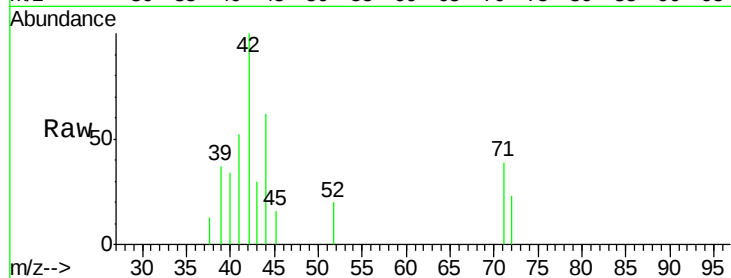
Tgt Ion: 42 Resp: 1064

Ion Ratio Lower Upper

42 100

72 31.8 34.6 52.0#

71 10.6 32.7 49.1#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

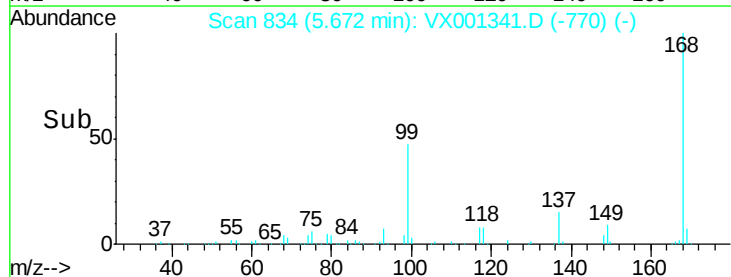
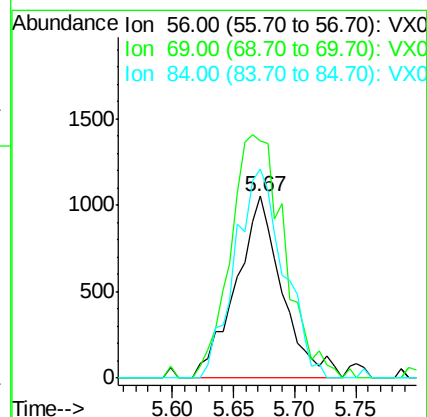
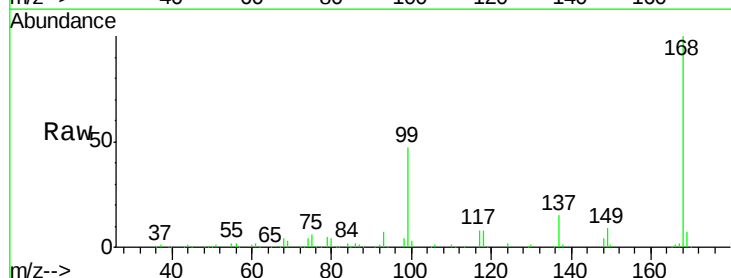
Tgt Ion: 56 Resp: 2764

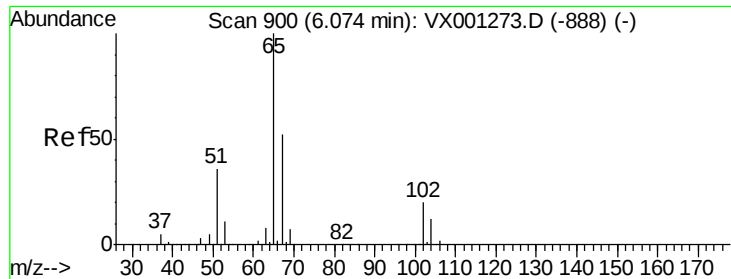
Ion Ratio Lower Upper

56 100

69 130.4 24.0 36.0#

84 120.4 69.0 103.4#

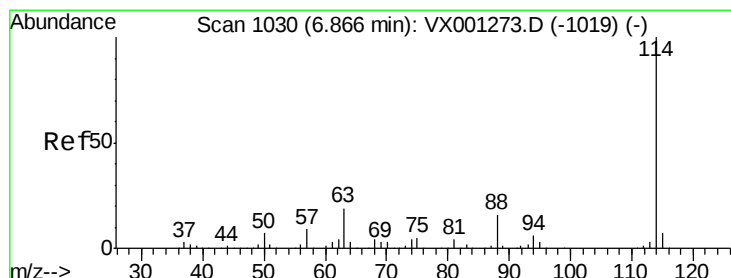
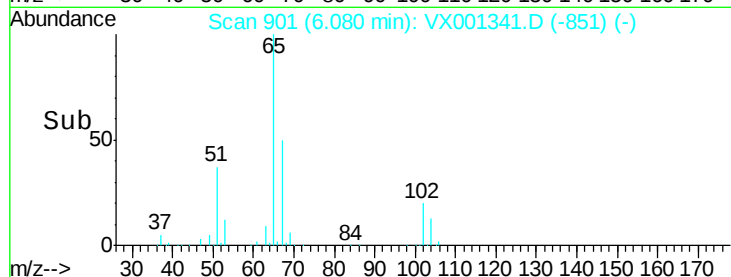
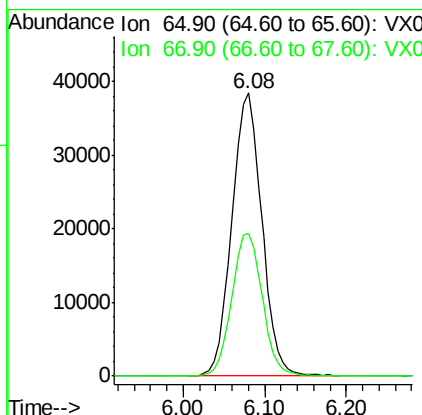
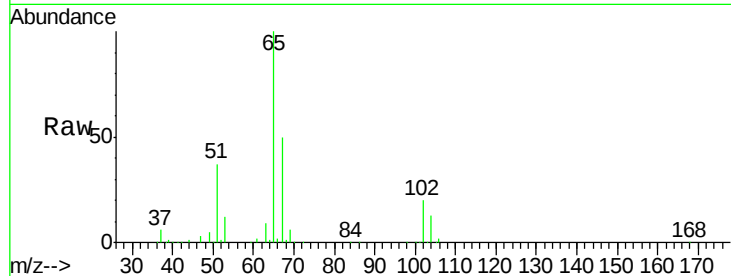




#33
 1,2-Dichloroethane-d4
 Concen: 45.87 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001341.D
 Acq: 03 May 2018 02:59

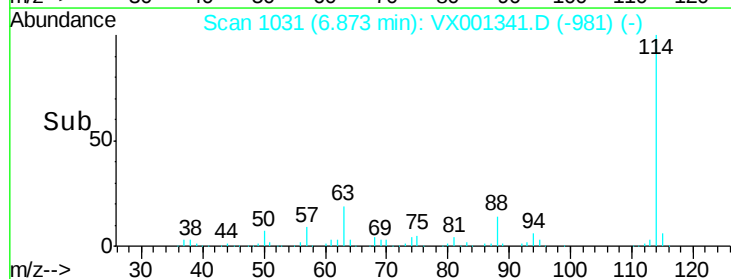
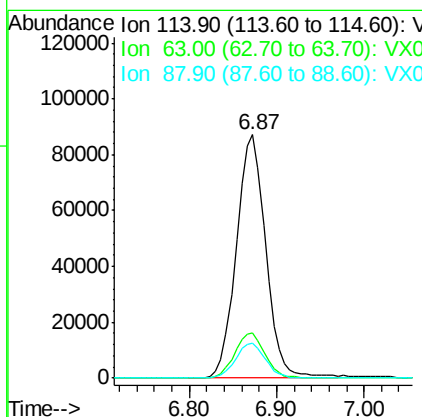
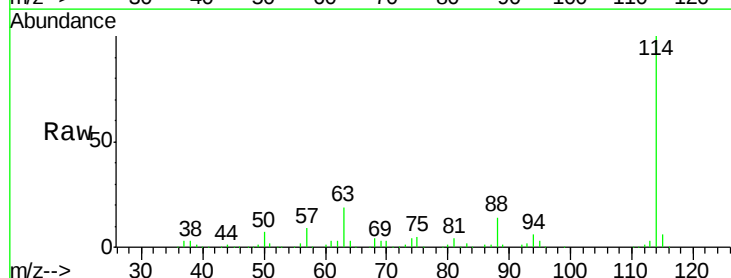
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#20

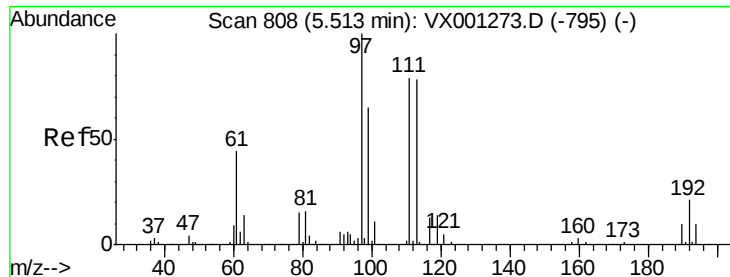
Tgt Ion: 65 Resp: 97508
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001341.D
 Acq: 03 May 2018 02:59

Tgt Ion: 114 Resp: 203756
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.8
 88 14.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.65 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

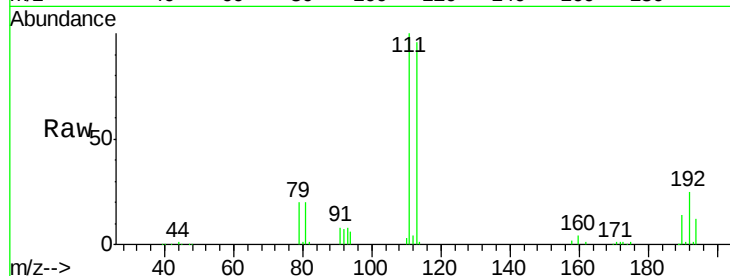
Tgt Ion:113 Resp: 80133

Ion Ratio Lower Upper

113 100

111 100.2 81.2 121.8

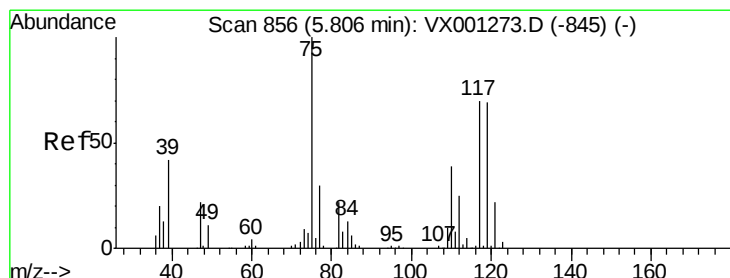
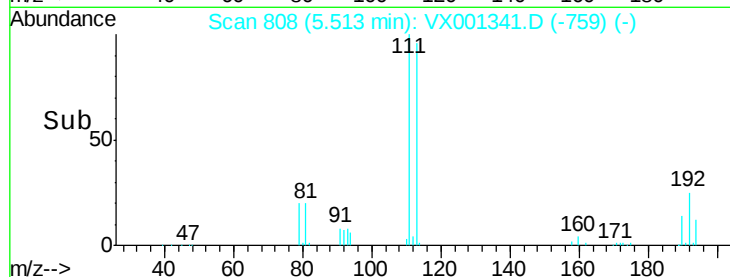
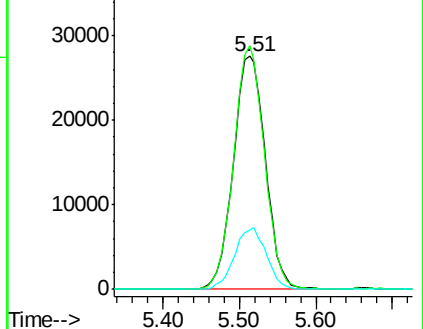
192 26.2 20.7 31.1



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: 3.98 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

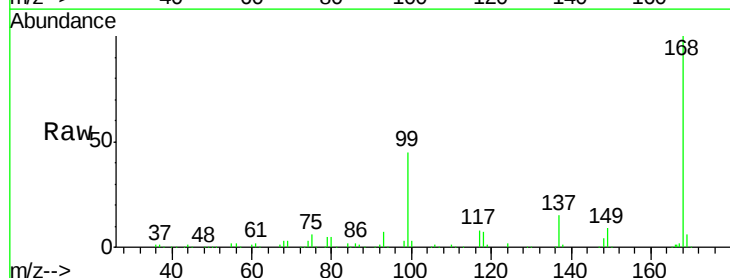
Tgt Ion: 75 Resp: 9355

Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.9#

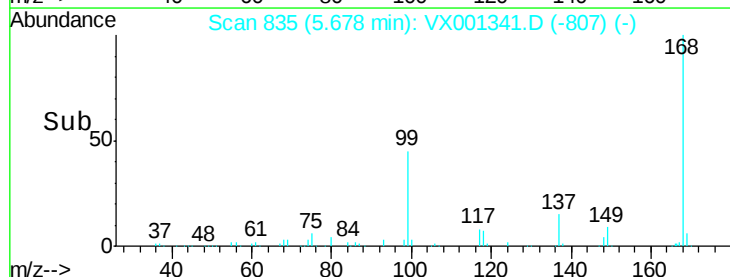
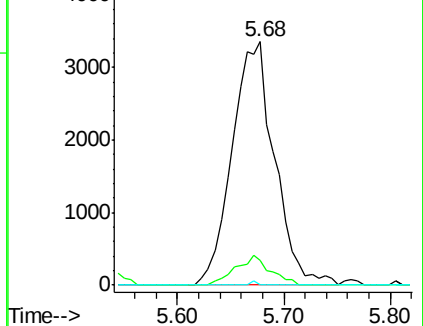
77 0.2 24.2 36.2#

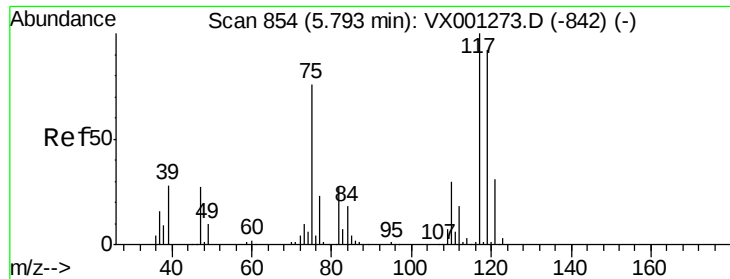


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

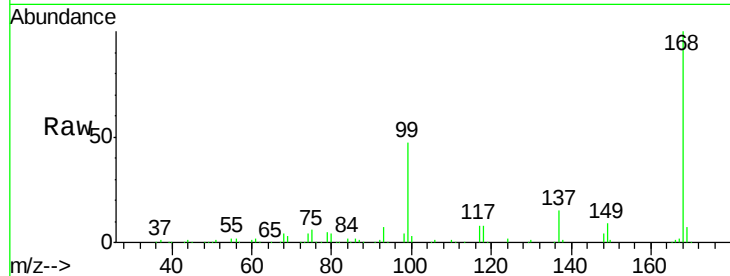
Tgt Ion:117 Resp: 13129

Ion Ratio Lower Upper

117 100

119 5.8 73.4 110.2#

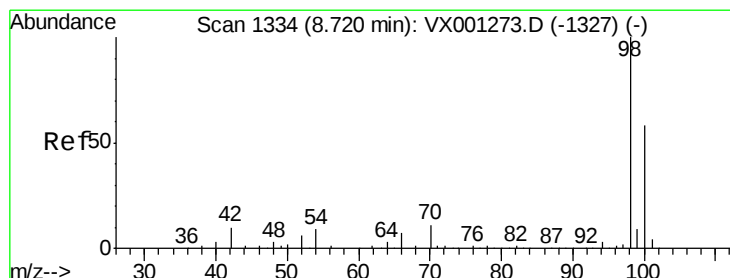
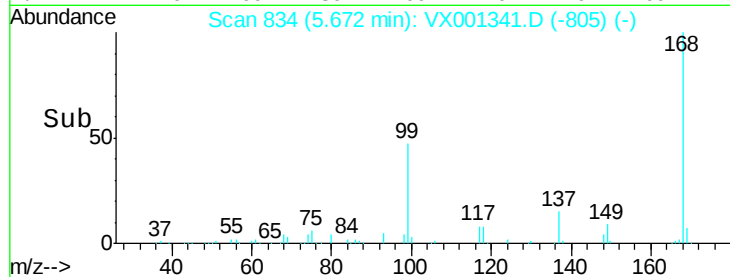
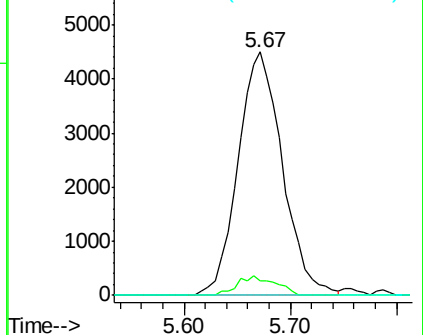
121 0.0 25.0 37.4#



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: 46.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001341.D

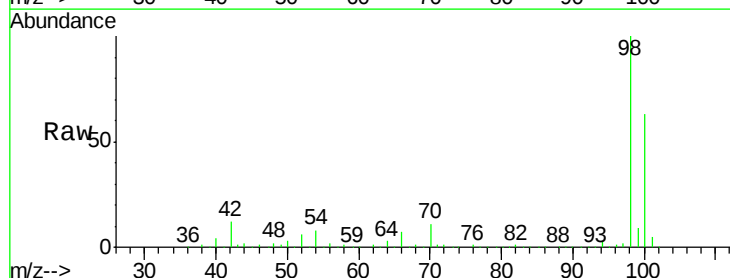
Acq: 03 May 2018 02:59

Tgt Ion: 98 Resp: 292105

Ion Ratio Lower Upper

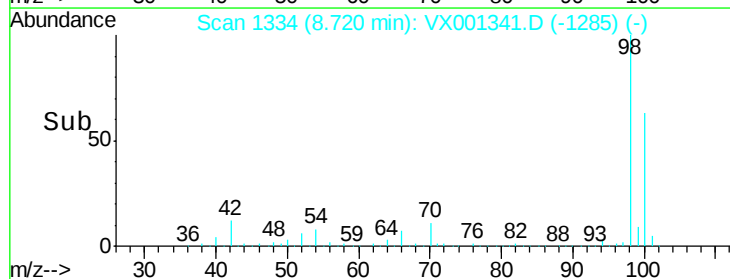
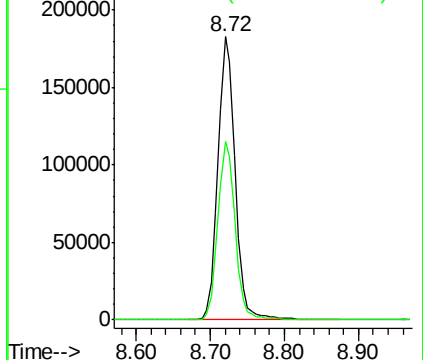
98 100

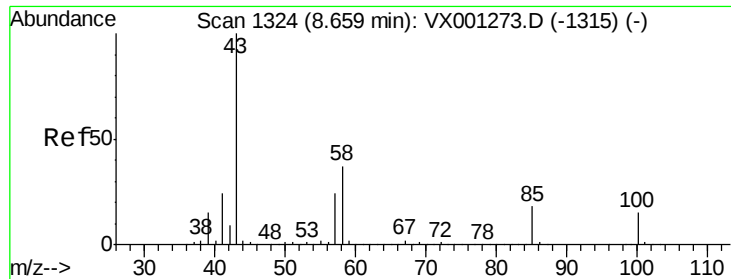
100 63.4 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

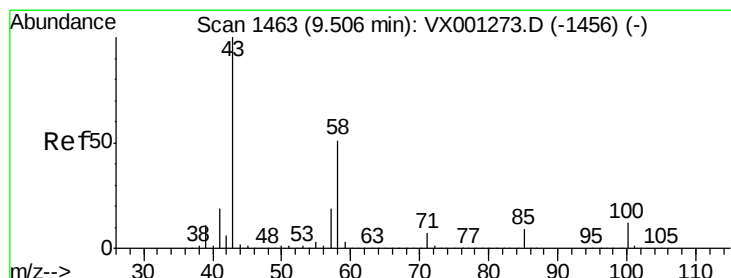
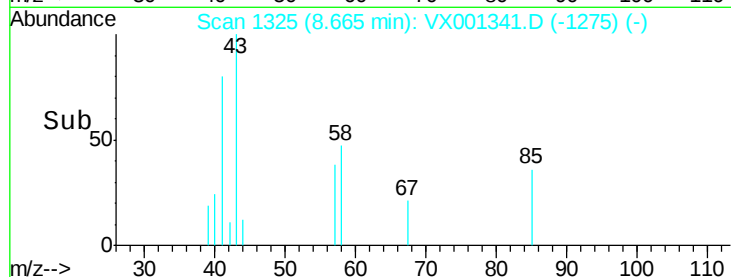
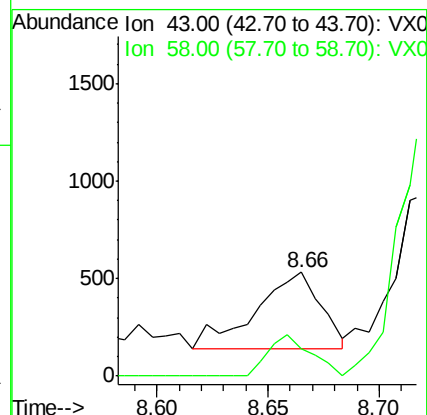
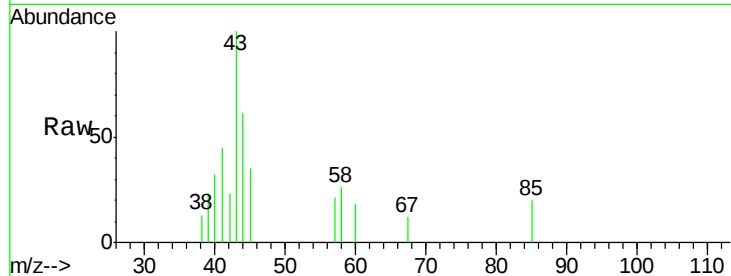




#51
 4-Methyl-2-Pentanone
 Concen: 0.32 ug/l
 RT: 8.66 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX001341.D
 Acq: 03 May 2018 02:59

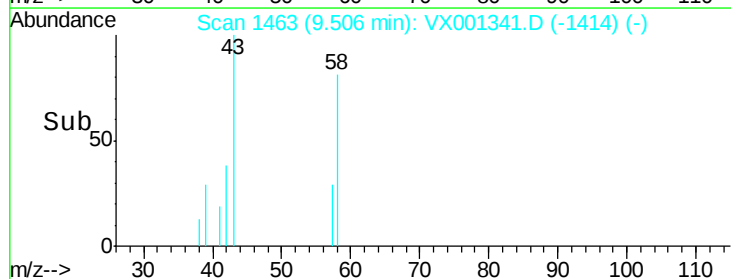
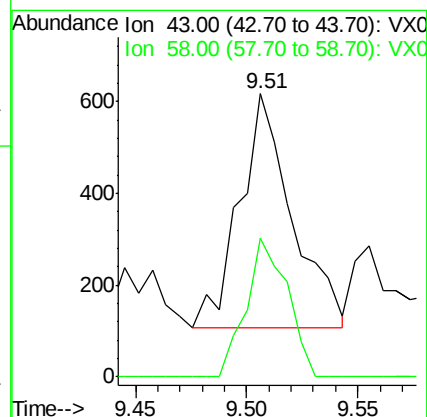
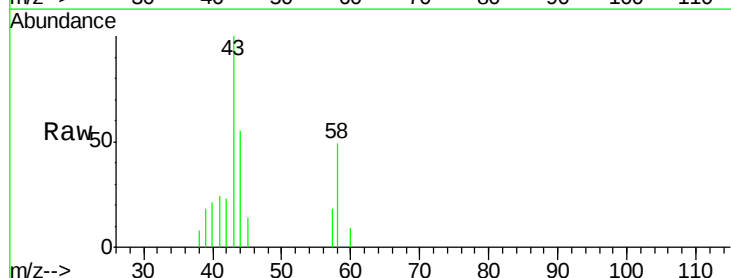
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#20

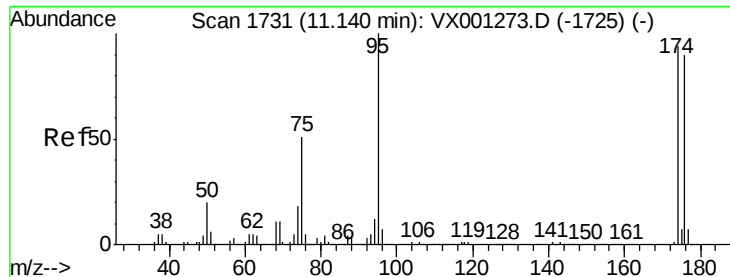
Tgt Ion: 43 Resp: 793
 Ion Ratio Lower Upper
 43 100
 58 35.4 29.0 43.6



#59
 2-Hexanone
 Concen: 0.43 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX001341.D
 Acq: 03 May 2018 02:59

Tgt Ion: 43 Resp: 838
 Ion Ratio Lower Upper
 43 100
 58 46.3 25.7 77.0

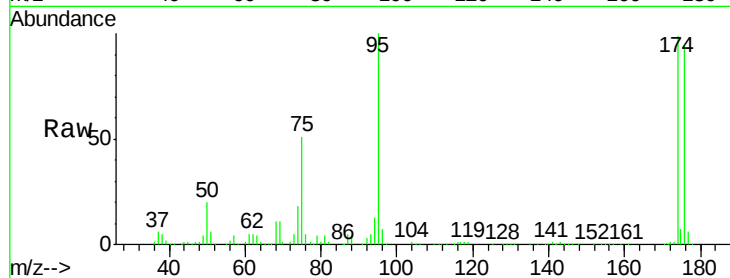




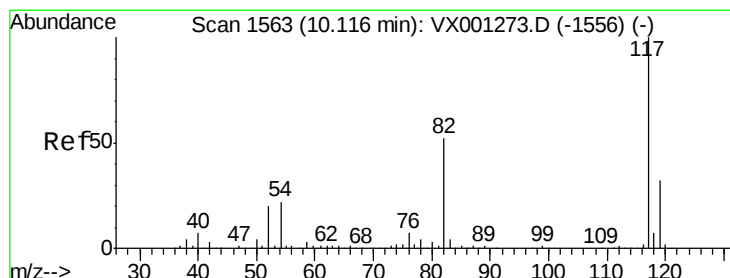
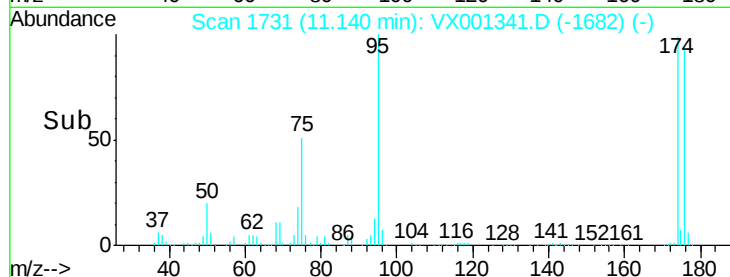
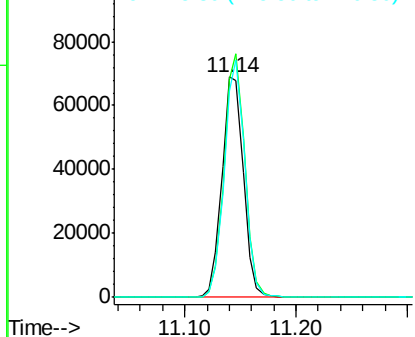
#62
4-Bromofluorobenzene
Concen: 36.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#20

Tgt Ion: 95 Resp: 92150
Ion Ratio Lower Upper
95 100
174 106.3 0.0 201.8
176 102.4 0.0 197.2

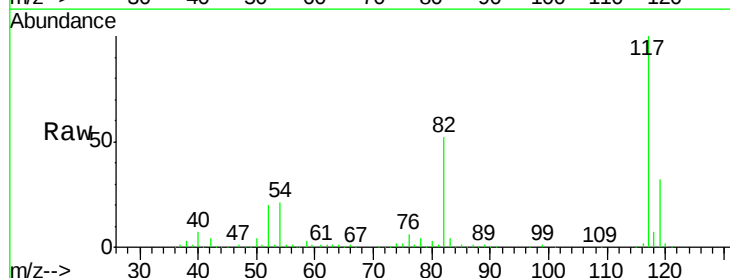


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

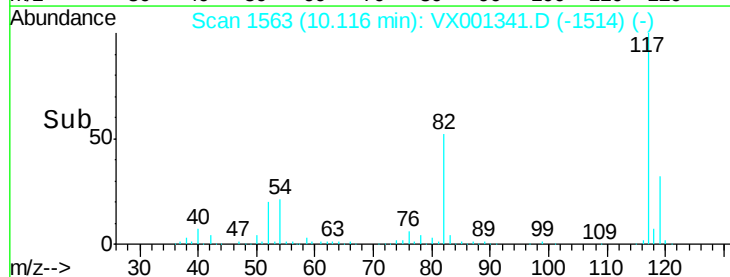
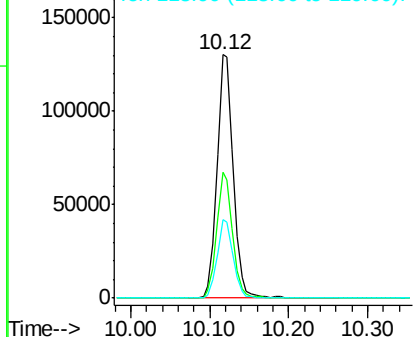


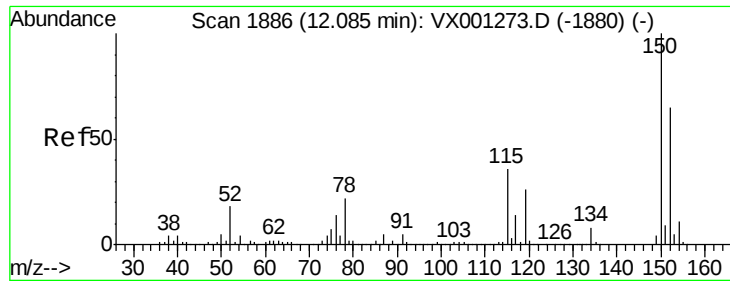
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001341.D
Acq: 03 May 2018 02:59

Tgt Ion: 117 Resp: 186368
Ion Ratio Lower Upper
117 100
82 51.9 41.4 62.0
119 32.4 25.5 38.3



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: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

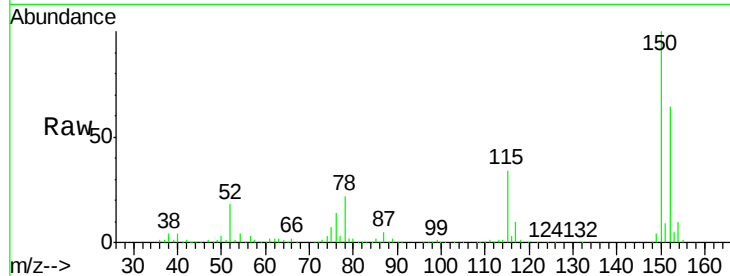
Tgt Ion:152 Resp: 102028

Ion Ratio Lower Upper

152 100

115 52.5 38.6 115.7

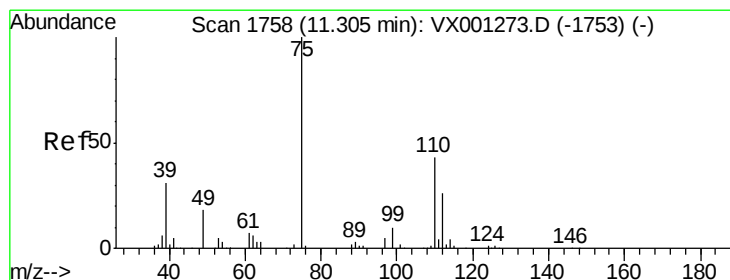
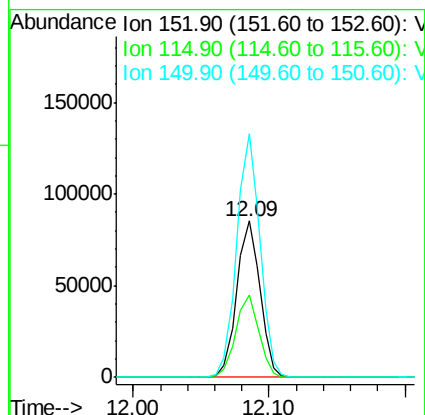
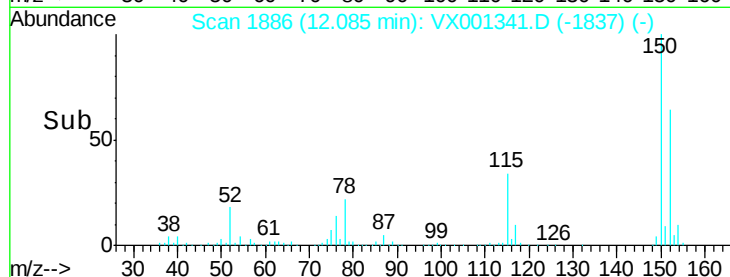
150 154.8 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 25.38 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001341.D

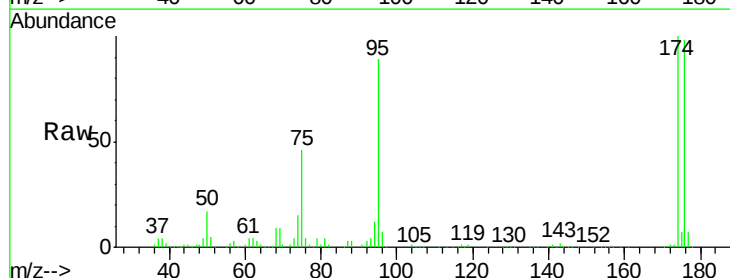
Acq: 03 May 2018 02:59

Tgt Ion: 75 Resp: 47891

Ion Ratio Lower Upper

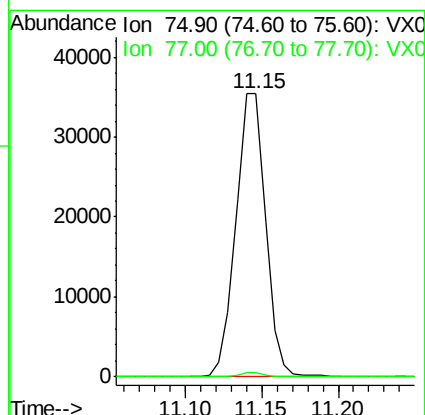
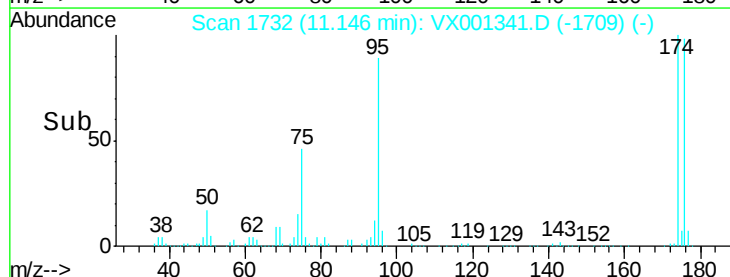
75 100

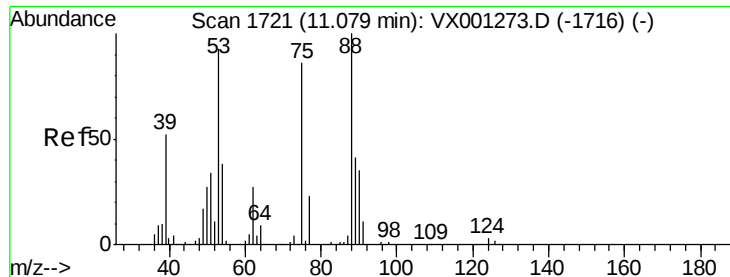
77 1.3 18.9 56.5#



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: 79.79 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX001341.D

Acq: 03 May 2018 02:59

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#20

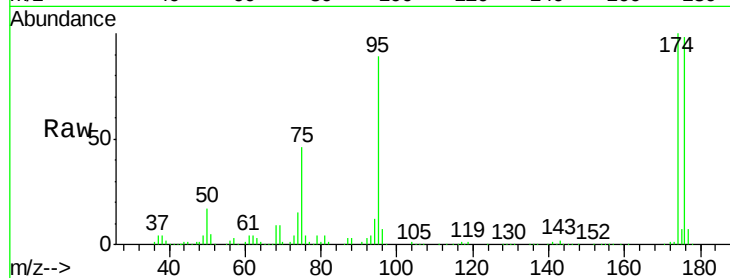
Tgt Ion: 75 Resp: 47891

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#



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

