

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000589.D
 Acq On : 31 Mar 2018 13:38
 Operator : JC/MD
 Sample : J2142-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:16:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	134114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228214	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	122102	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	90760	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	5.51	113	69814	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.72	98	285639	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
62) 4-Bromofluorobenzene	11.15	95	102868	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	

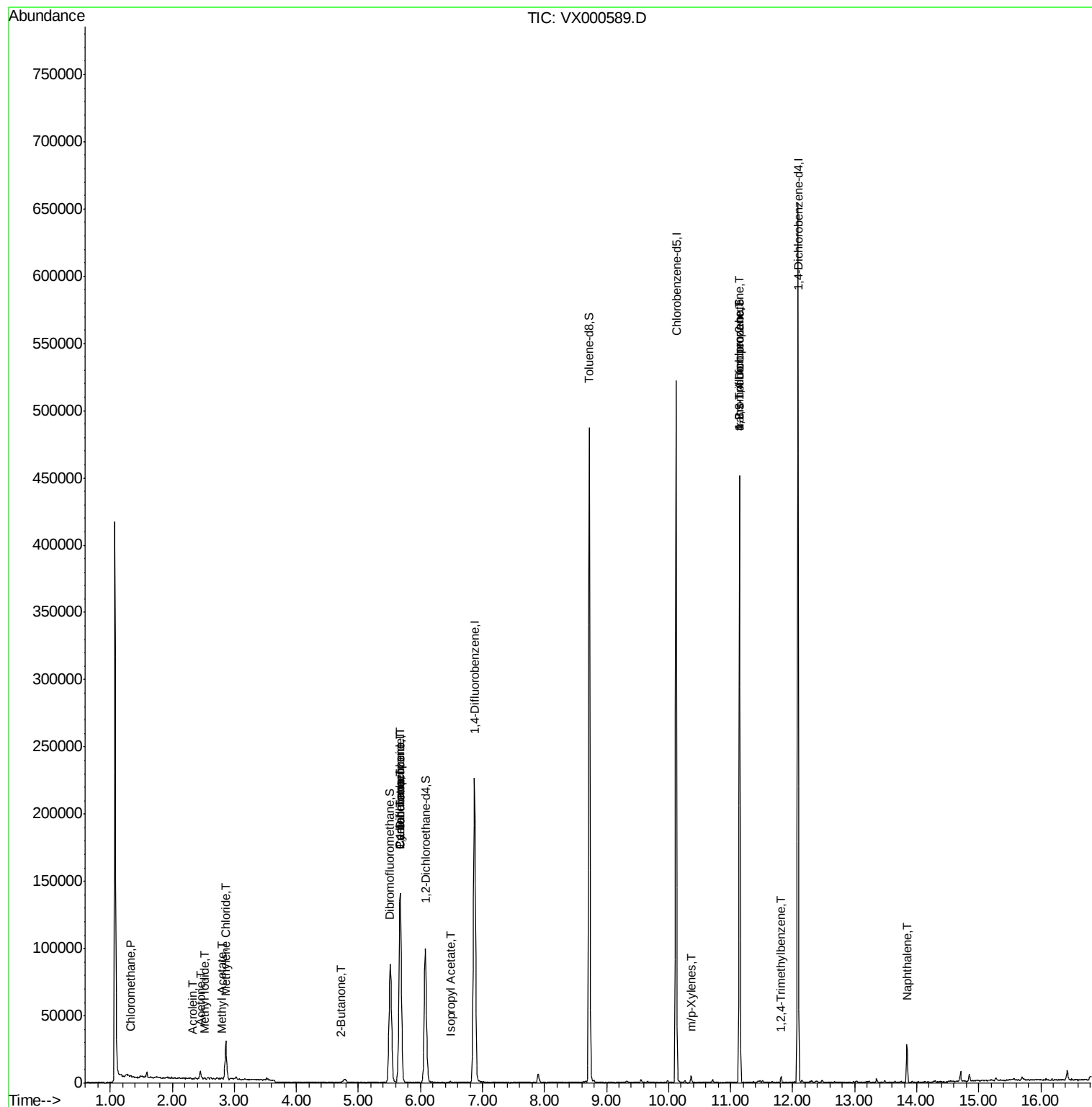
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	658	0.423	ug/l	100
6) Chloroethane	1.74	64	505	Below Cal	#	86
10) Methyl Iodide	2.51	142	309	4.448	ug/l #	69
13) Acrolein	2.31	56	117	15.151	ug/l #	70
14) Allyl chloride	2.73	41	228	Below Cal	#	67
16) Acetone	2.45	43	6290	4.319	ug/l	89
18) Methyl Acetate	2.79	43	979	0.321	ug/l #	65
20) Methylene Chloride	2.87	84	11511	6.843	ug/l	97
25) 2-Butanone	4.71	43	807	0.493	ug/l #	49
31) Cyclohexane	5.67	56	3297	1.493	ug/l #	64
36) 1,1-Dichloropropene	5.67	75	10583	4.951	ug/l #	49
38) Carbon Tetrachloride	5.68	117	13249	5.908	ug/l #	15
43) Isopropyl Acetate	6.48	43	911	0.210	ug/l #	82
68) m/p-Xylenes	10.37	106	1098	0.325	ug/l	88
74) N-amyl acetate	6.48	43	911	Below Cal	#	95
76) 1,2,3-Trichloropropane	11.14	75	58717	22.376	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	58717	72.444	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	1727	0.242	ug/l	68
95) Naphthalene	13.84	128	15953	1.599	ug/l	99

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

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QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

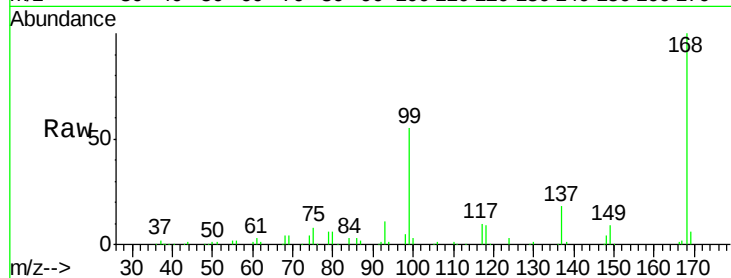
ClientSampleId :

Tot Ion:168 Resp: 134114

Ion Ratio Lower Upper

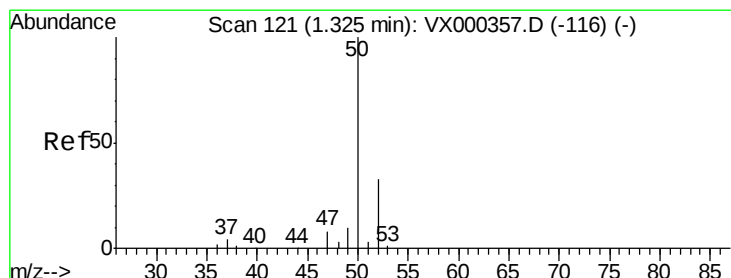
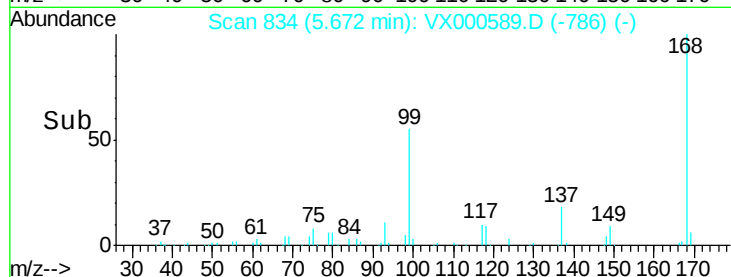
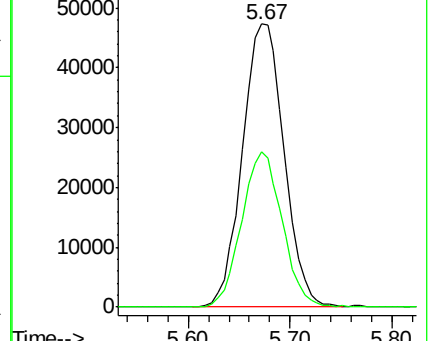
168 100

99 55.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.423 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000589.D

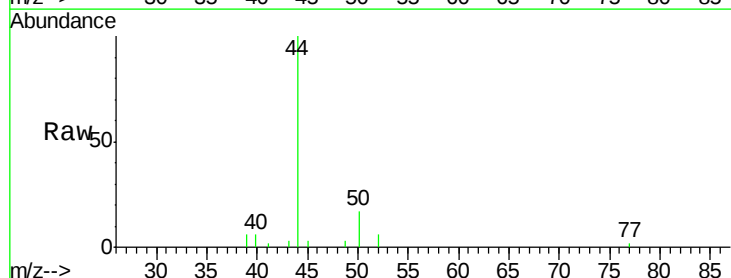
Acq: 31 Mar 2018 13:38

Tgt Ion: 50 Resp: 658

Ion Ratio Lower Upper

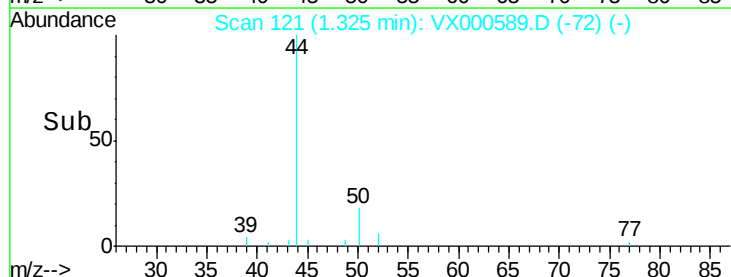
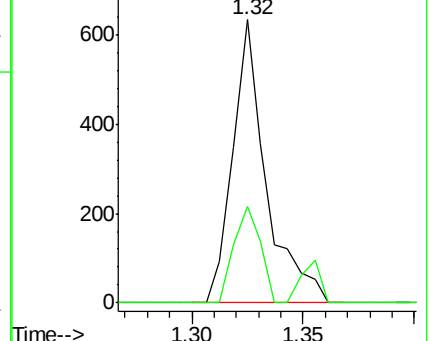
50 100

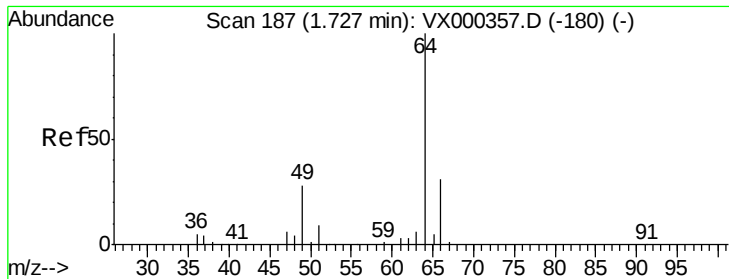
52 34.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

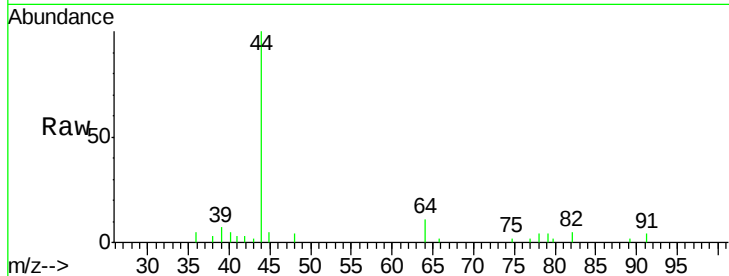
ClientSampleId :

Tot Ion: 64 Resp: 505

Ion Ratio Lower Upper

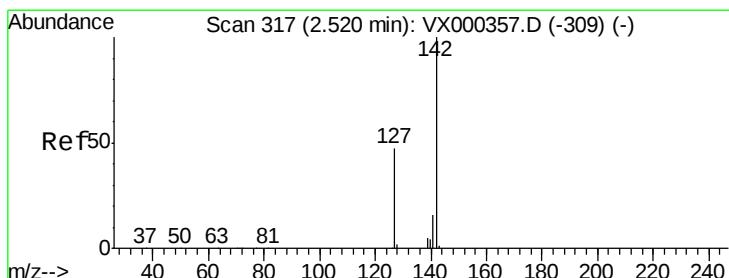
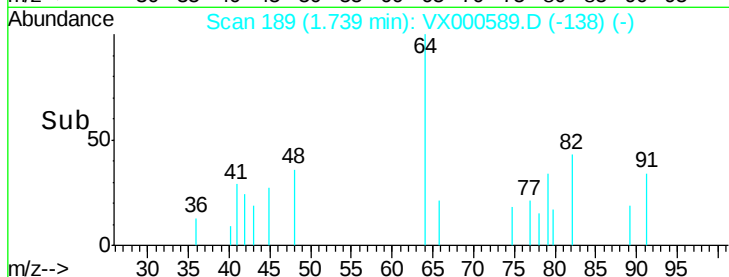
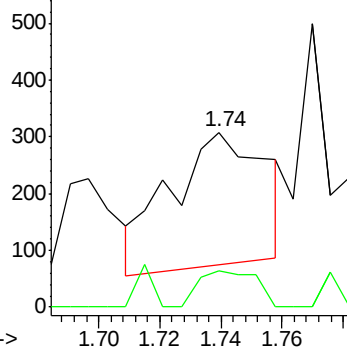
64 100

66 38.6 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.448 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

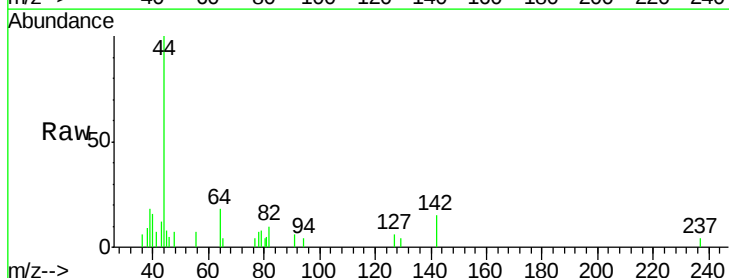
Tgt Ion: 142 Resp: 309

Ion Ratio Lower Upper

142 100

127 28.5 39.2 58.8#

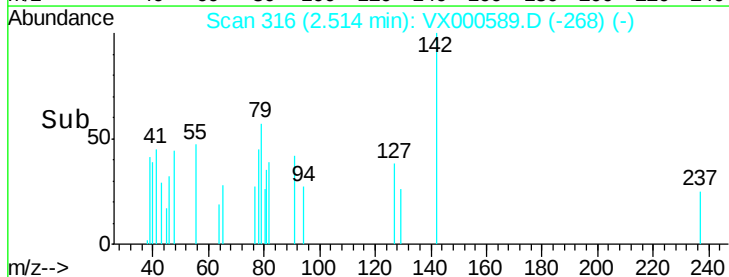
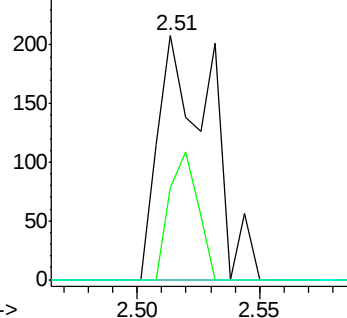
141 0.0 11.7 17.5#

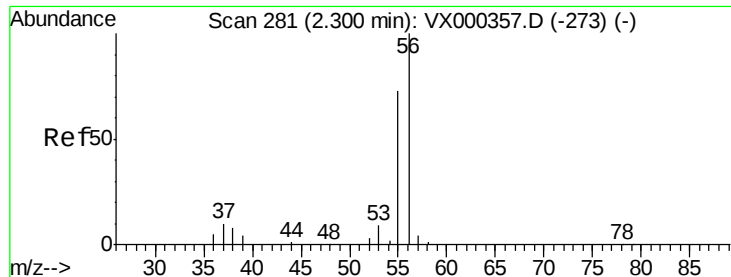


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 15.151 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

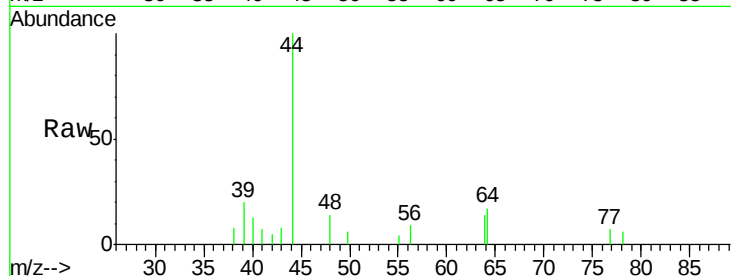
ClientSampled :

Tot Ion: 56 Resp: 117

Ion Ratio Lower Upper

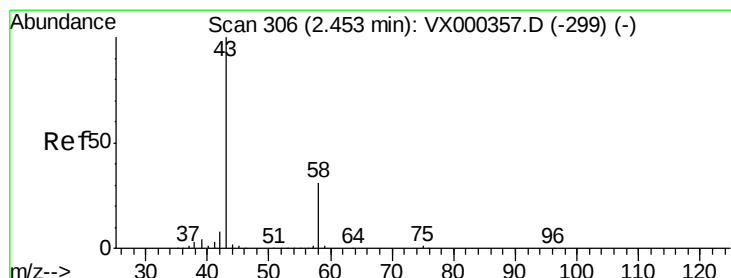
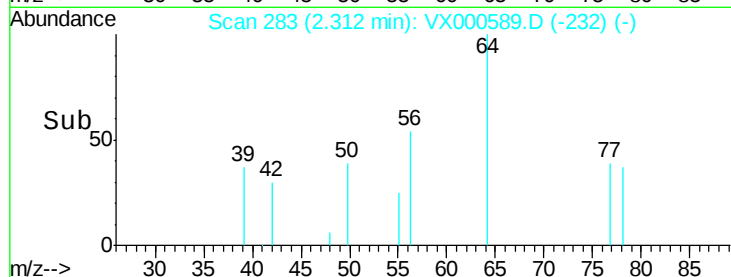
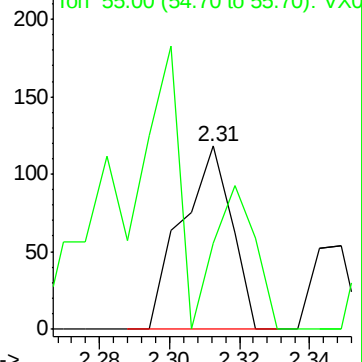
56 100

55 47.9 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 4.319 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000589.D

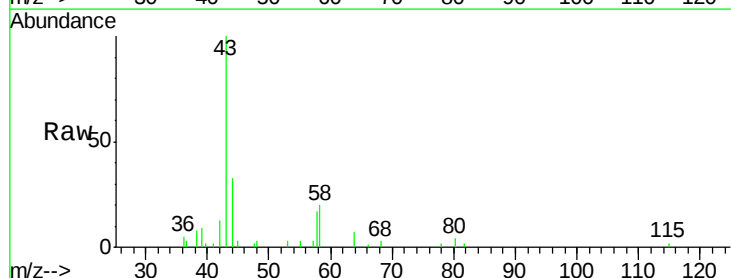
Acq: 31 Mar 2018 13:38

Tgt Ion: 43 Resp: 6290

Ion Ratio Lower Upper

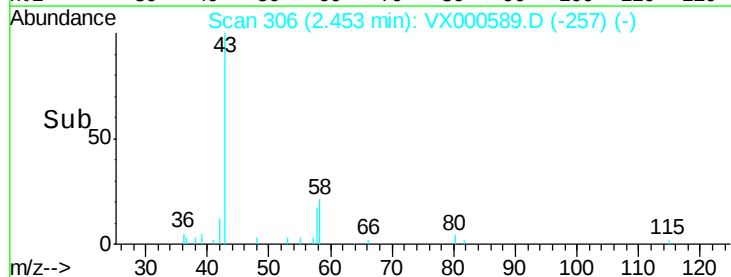
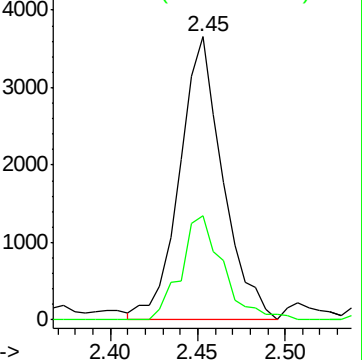
43 100

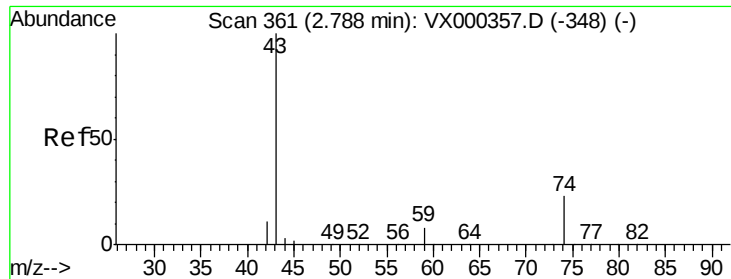
58 36.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

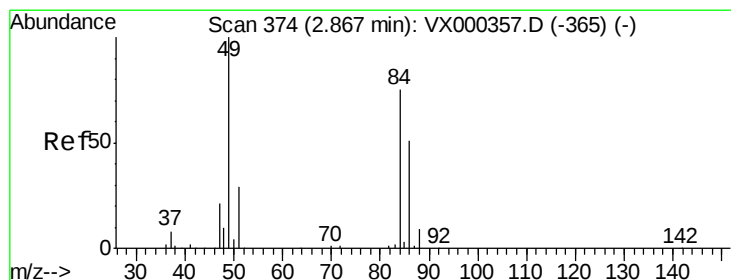
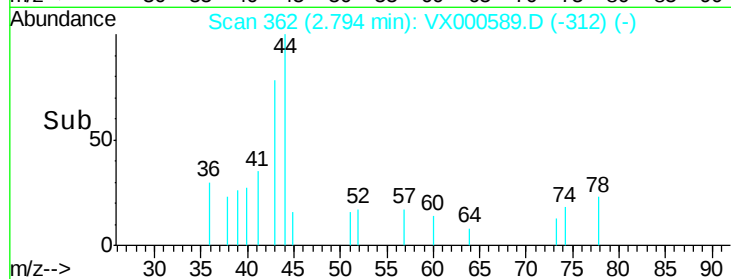
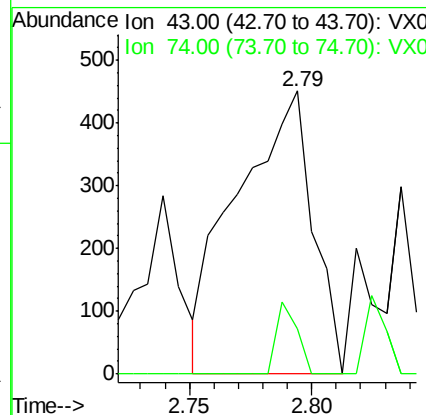
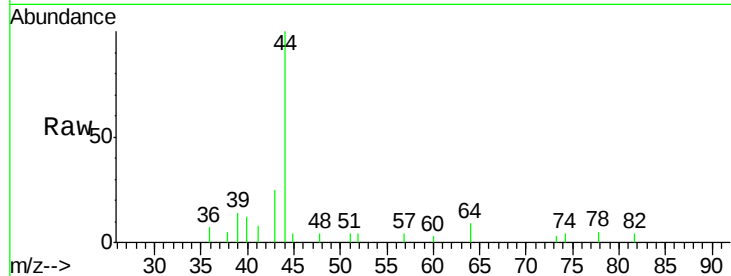




#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000589.D
Acq: 31 Mar 2018 13:38

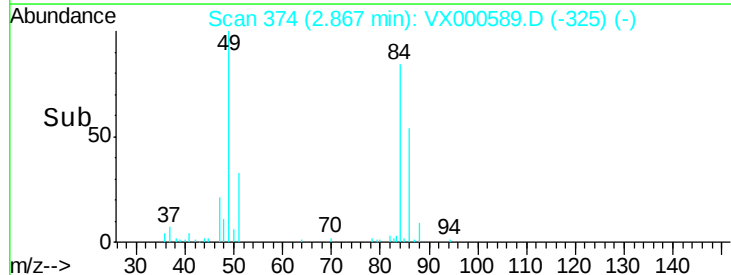
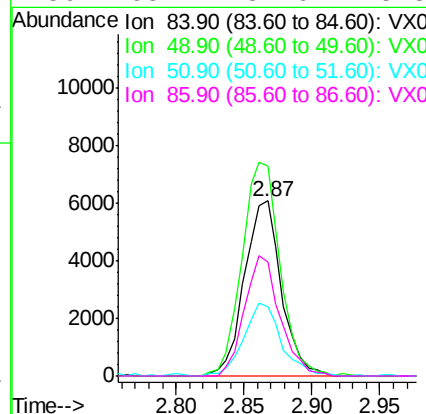
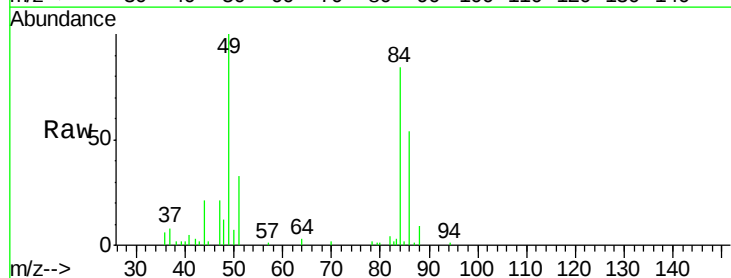
Instrument :
MSVOA_X
ClientSampled :

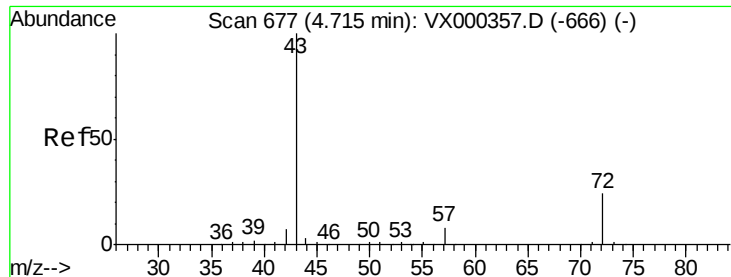
Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
74 6.9 19.4 29.2#



#20
Methylene Chloride
Concen: 6.843 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000589.D
Acq: 31 Mar 2018 13:38

Tgt Ion: 84 Resp: 11511
Ion Ratio Lower Upper
84 100
49 119.7 100.6 151.0
51 39.8 31.6 47.4
86 65.2 52.6 78.8





#25

2-Butanone

Concen: 0.493 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

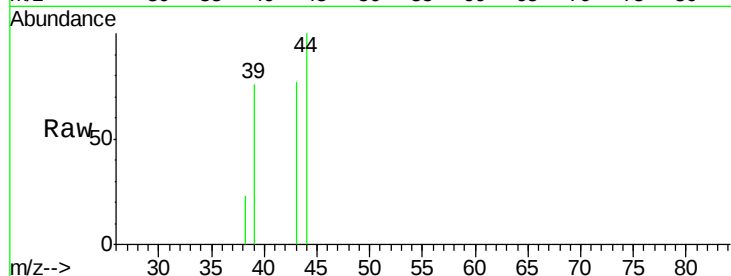
ClientSampled :

Tot Ion: 43 Resp: 807

Ion Ratio Lower Upper

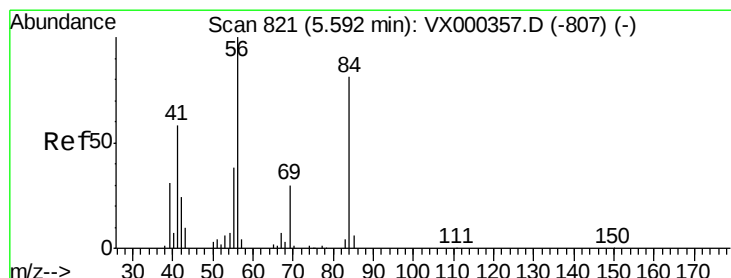
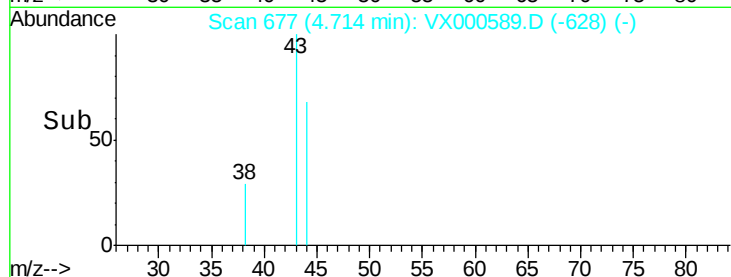
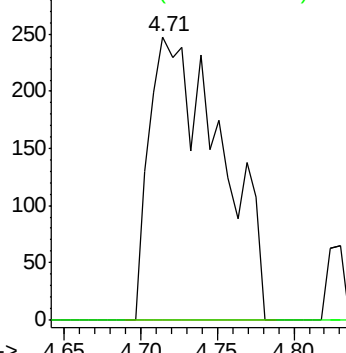
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.493 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

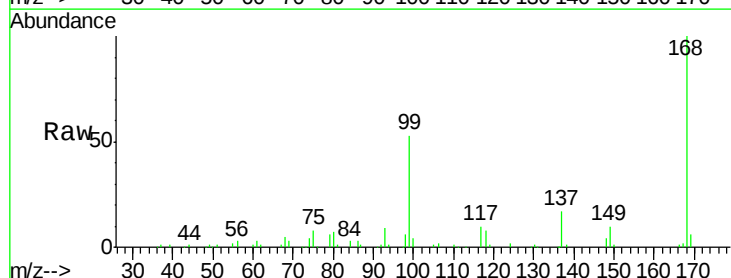
Tgt Ion: 56 Resp: 3297

Ion Ratio Lower Upper

56 100

69 104.1 23.4 35.0#

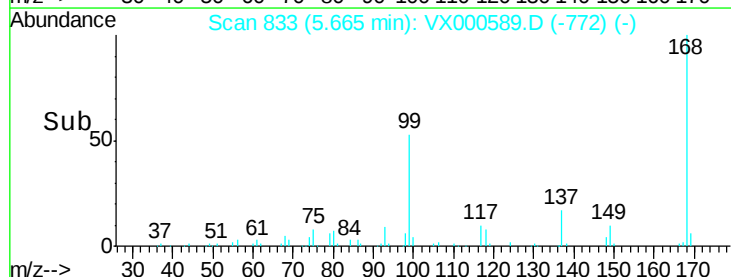
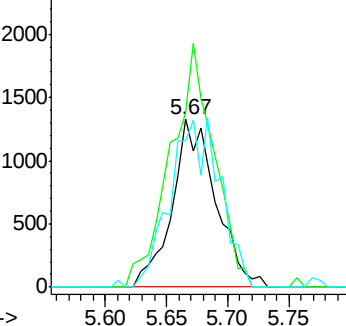
84 87.1 71.0 106.4

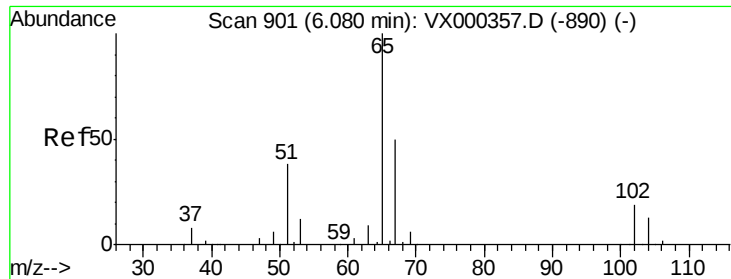


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

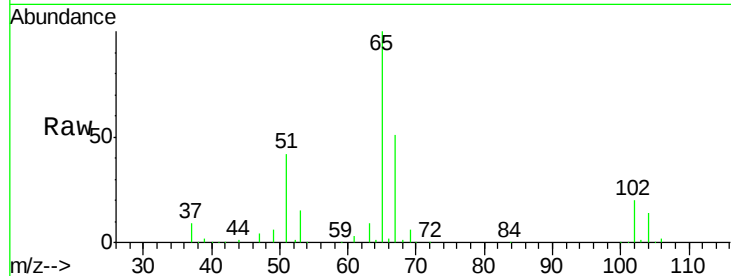
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 65 Resp: 90760

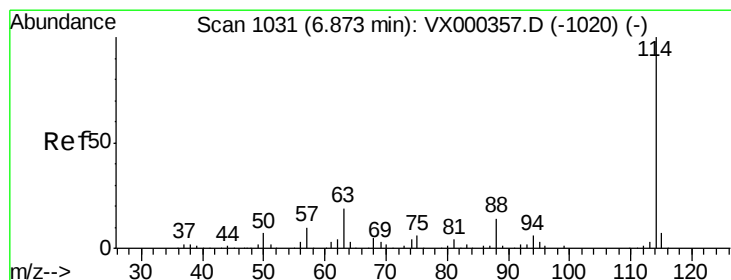
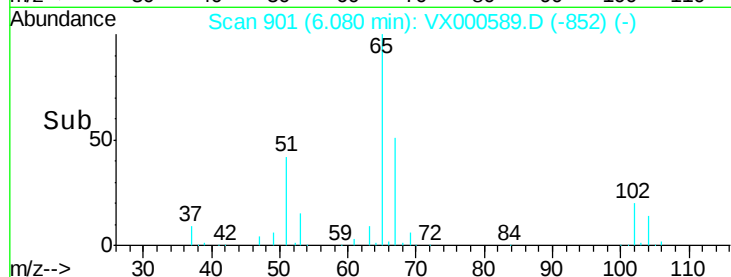
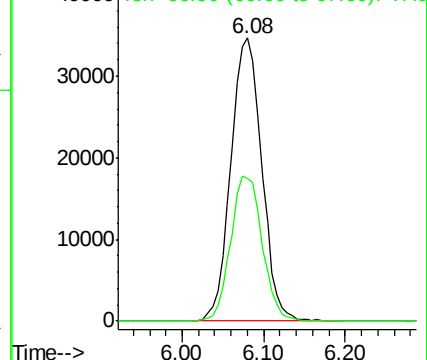
Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



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



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

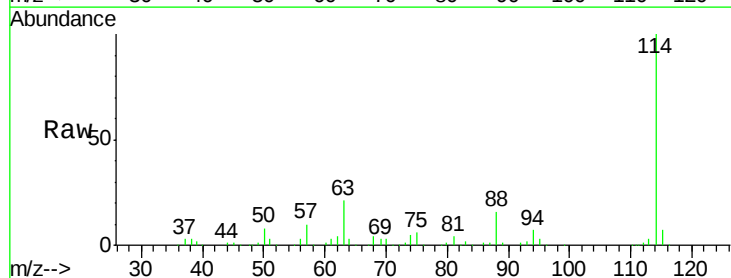
Tgt Ion: 114 Resp: 228214

Ion Ratio Lower Upper

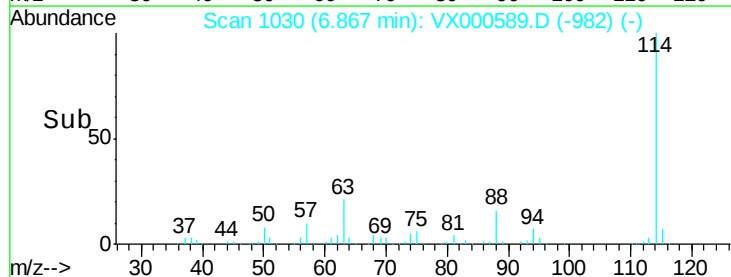
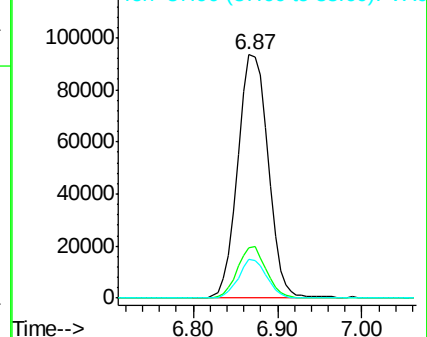
114 100

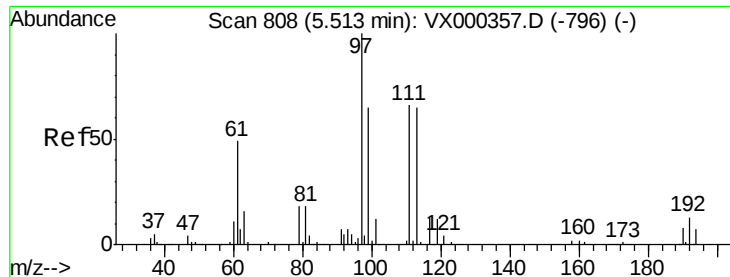
63 20.5 0.0 38.4

88 15.7 0.0 27.0



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

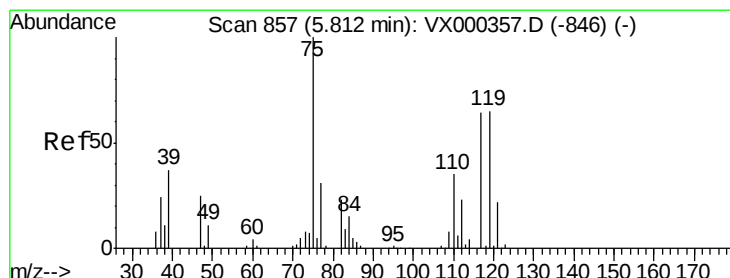
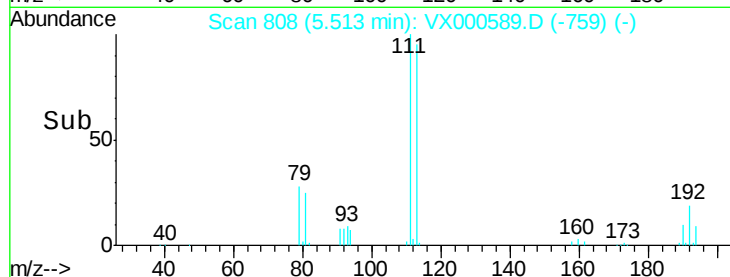
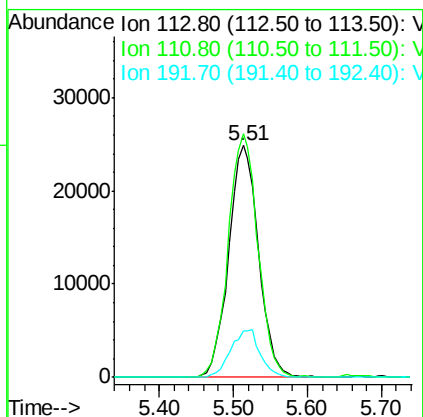
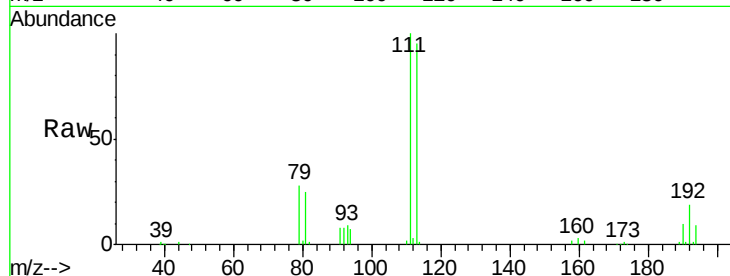




#35
 Dibromofluoromethane
 Concen: 48.551 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000589.D
 Acq: 31 Mar 2018 13:38

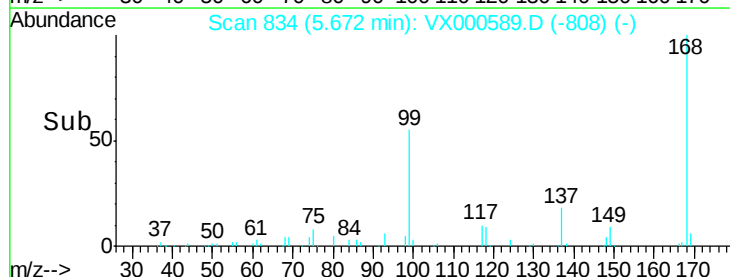
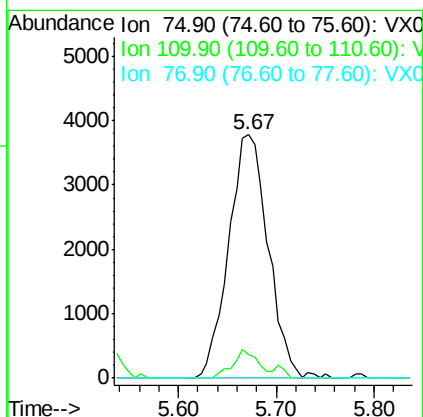
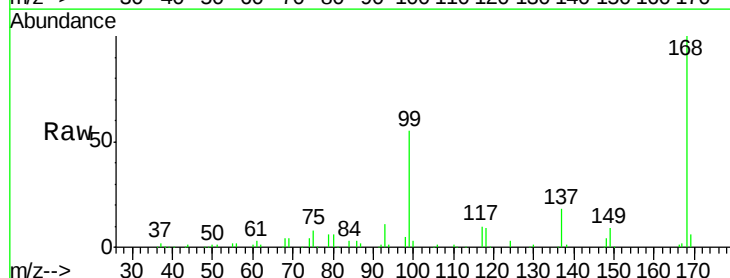
Instrument :
 MSVOA_X
 ClientSampleId :

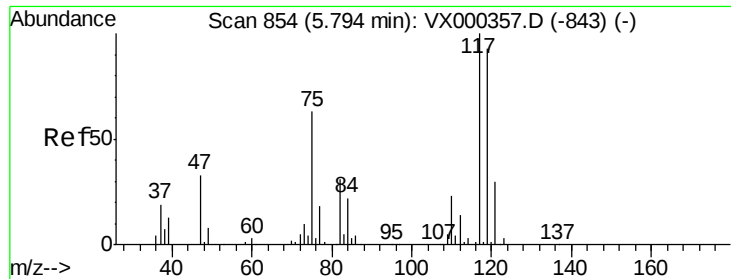
Tot Ion:113 Resp: 69814
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.4 123.6
 192 20.2 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000589.D
 Acq: 31 Mar 2018 13:38

Tgt Ion: 75 Resp: 10583
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.9 53.7#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

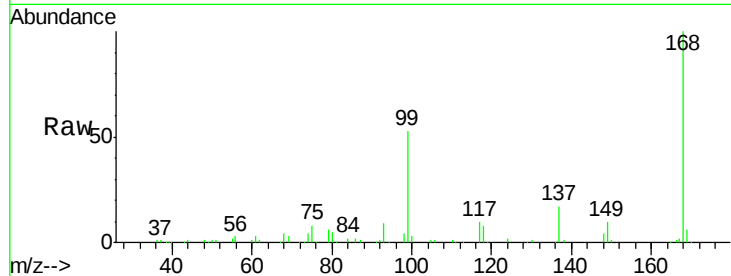
Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

ClientSampled :



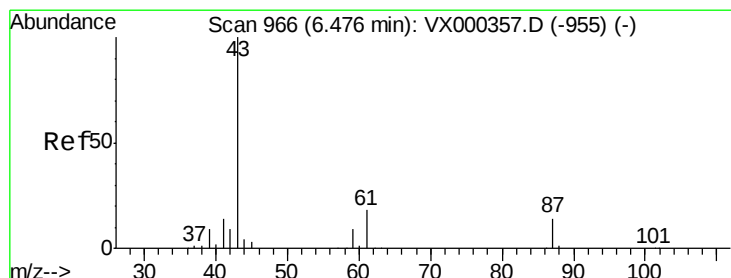
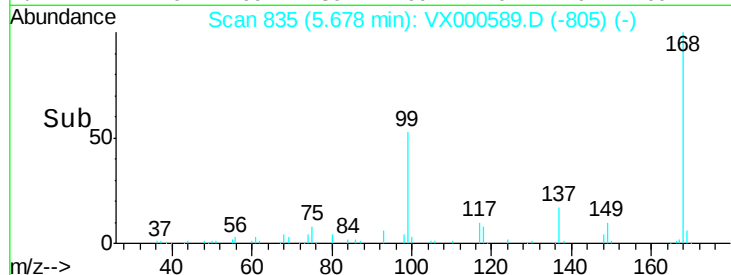
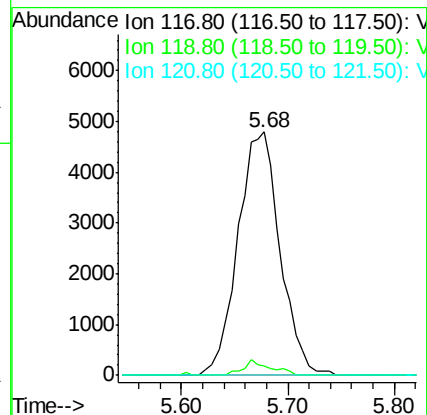
Tot Ion:117 Resp: 13249

Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.2#

121 0.0 24.8 37.2#



#43

Isopropyl Acetate

Concen: 0.210 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

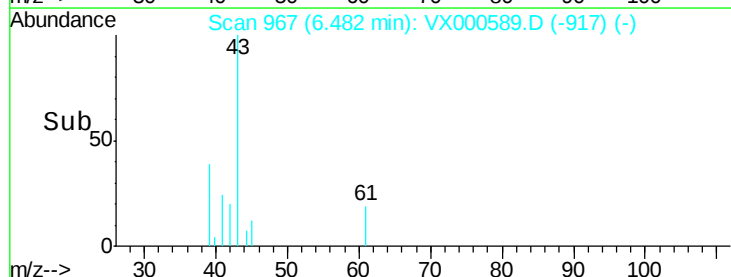
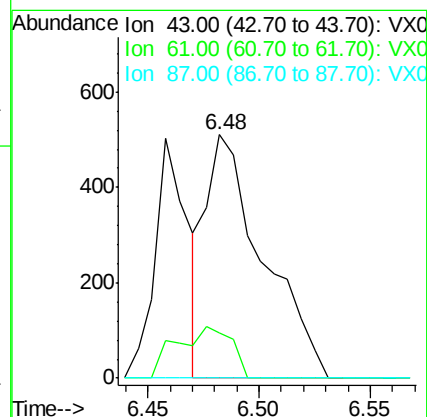
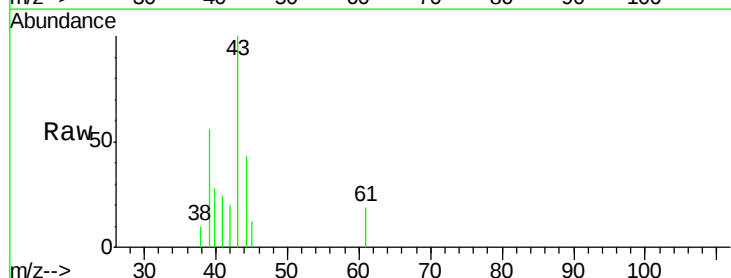
Tgt Ion: 43 Resp: 911

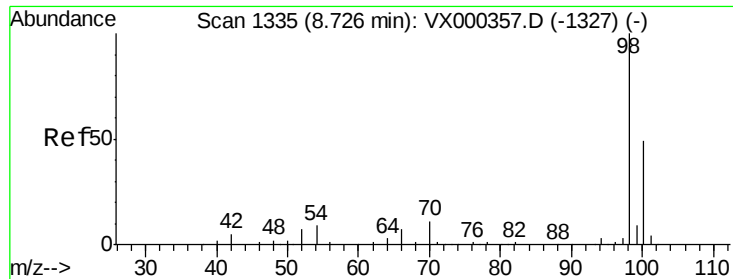
Ion Ratio Lower Upper

43 100

61 20.3 14.4 21.6

87 0.0 11.0 16.4#





#50

Toluene-d8

Concen: 47.963 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

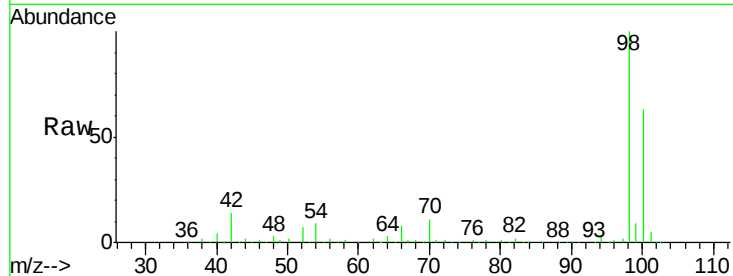
ClientSampleId :

Tot Ion: 98 Resp: 285639

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

200000

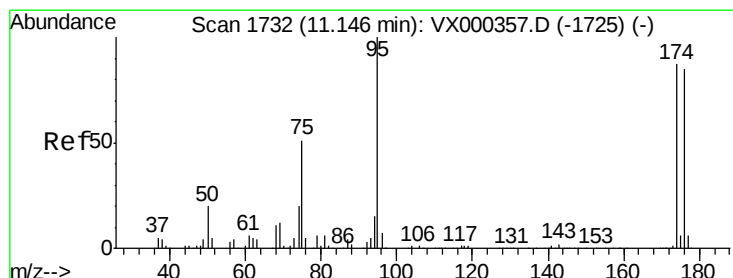
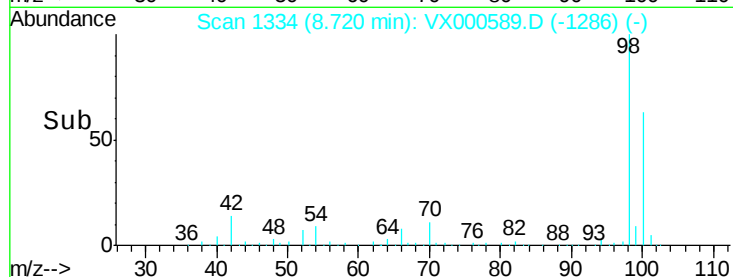
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.003 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

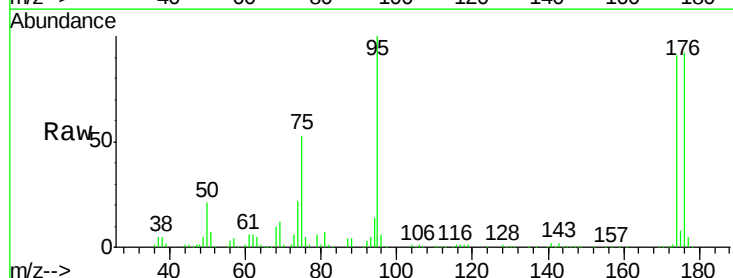
Tgt Ion: 95 Resp: 102868

Ion Ratio Lower Upper

95 100

174 88.4 0.0 173.6

176 86.5 0.0 164.6



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

11.15

100000

80000

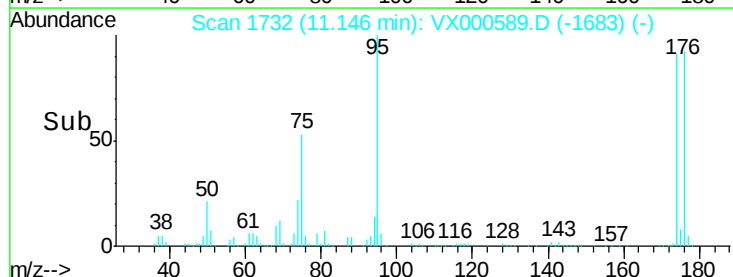
60000

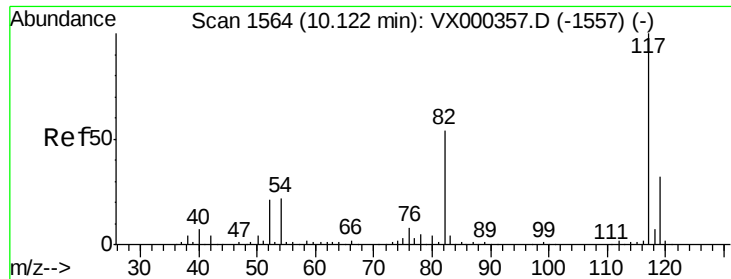
40000

20000

0

Time-->

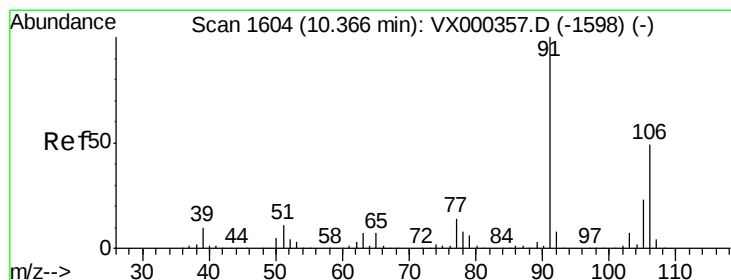
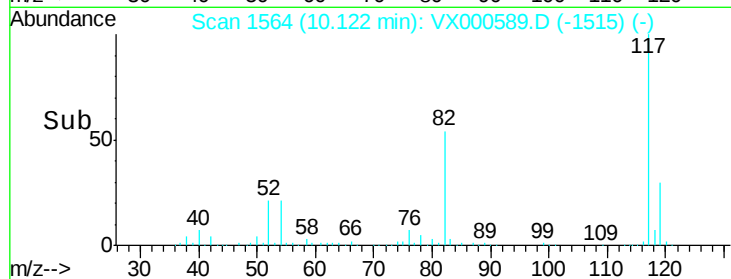
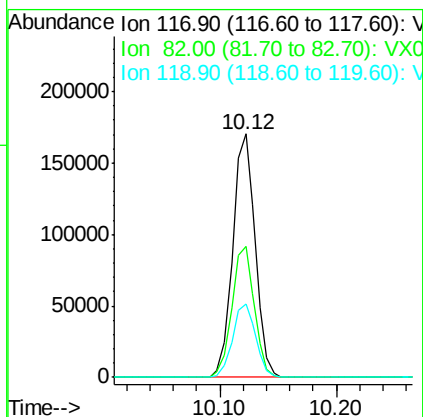
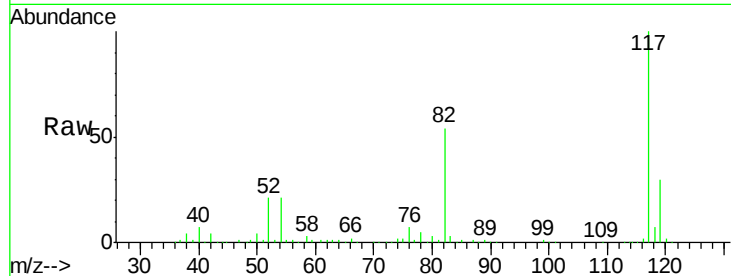




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000589.D
Acq: 31 Mar 2018 13:38

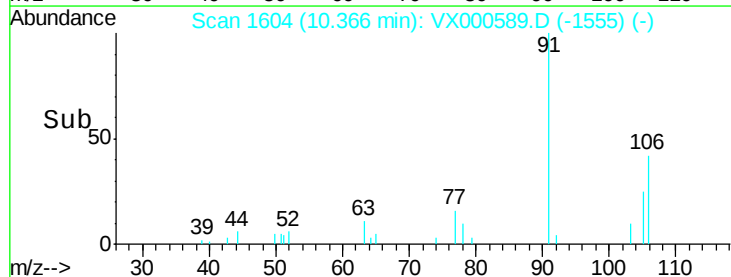
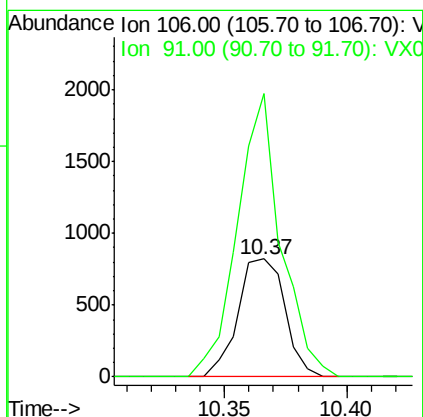
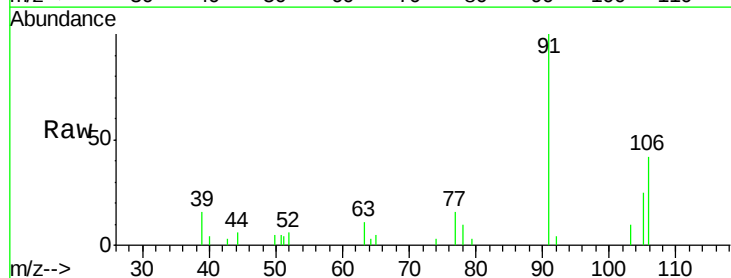
Instrument :
MSVOA_X
ClientSampled :

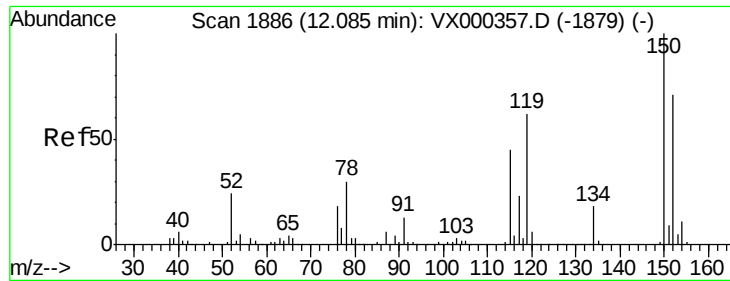
Tot Ion:117 Resp: 227439
Ion Ratio Lower Upper
117 100
82 53.8 43.8 65.8
119 30.2 24.9 37.3



#68
m/p-Xylenes
Concen: 0.325 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000589.D
Acq: 31 Mar 2018 13:38

Tgt Ion:106 Resp: 1098
Ion Ratio Lower Upper
106 100
91 223.0 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

ClientSampled :

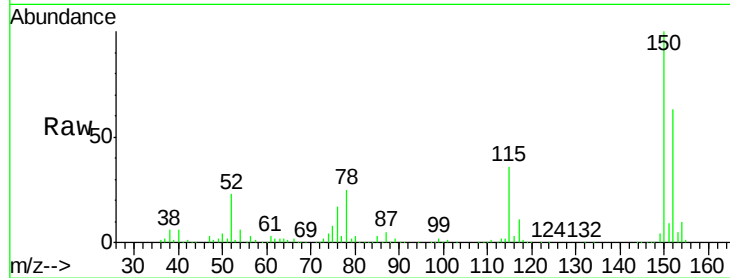
Tot Ion:152 Resp: 122102

Ion Ratio Lower Upper

152 100

115 57.8 39.8 119.3

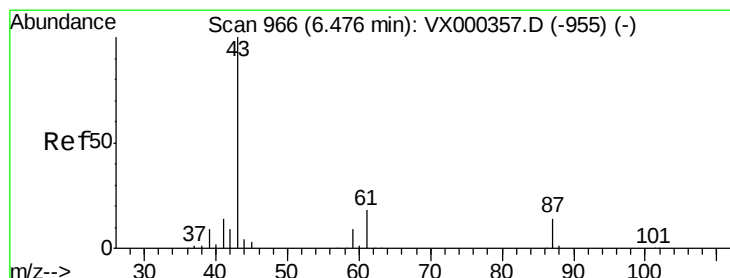
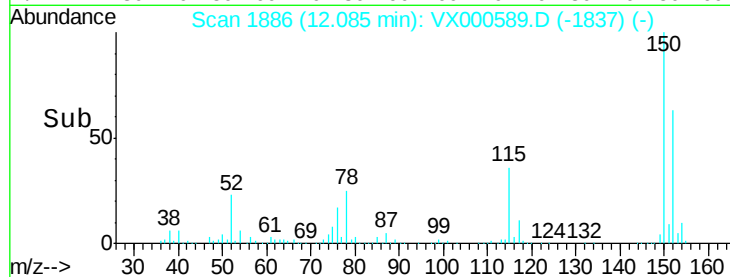
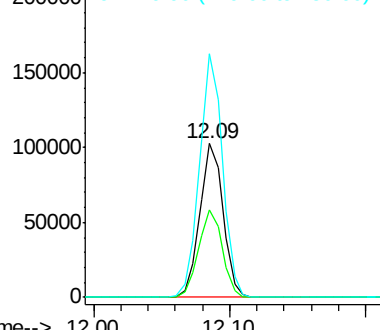
150 156.1 0.0 344.4



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: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Tgt Ion: 43 Resp: 911

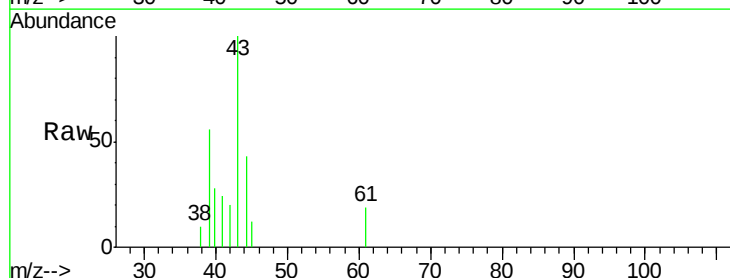
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.3 14.4 21.6

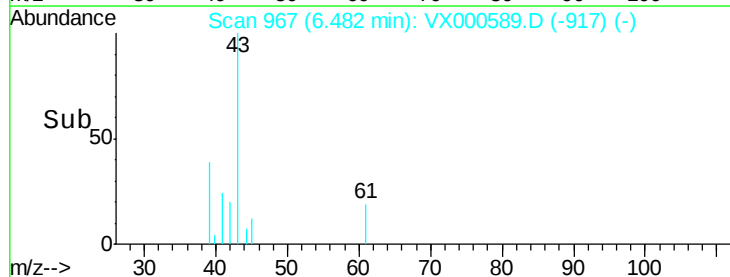
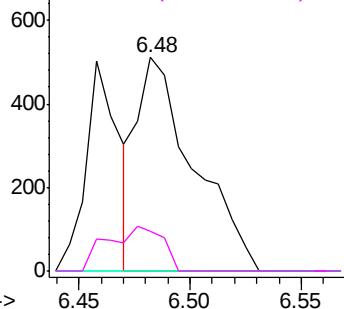


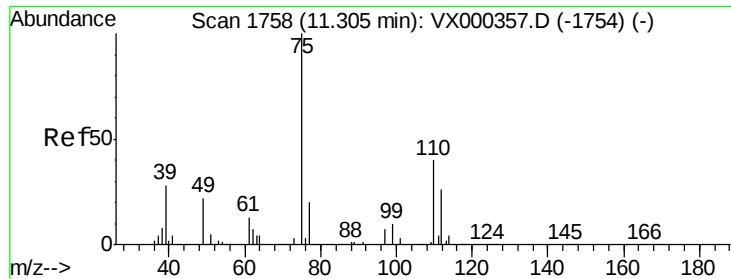
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.376 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

Instrument :

MSVOA_X

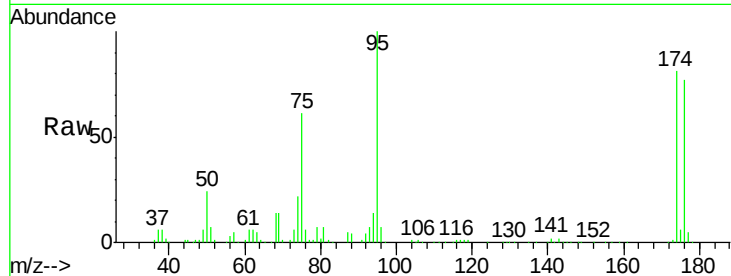
ClientSampled :

Tot Ion: 75 Resp: 58717

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

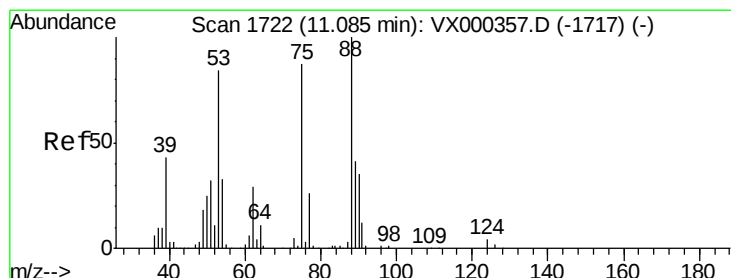
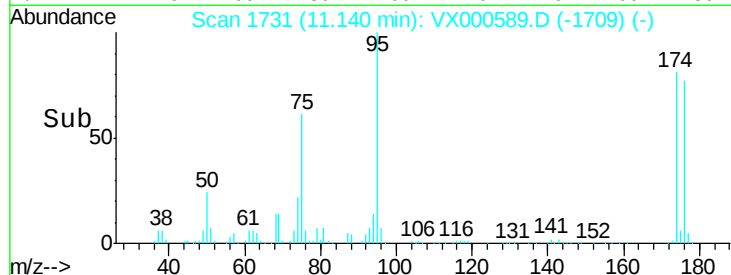
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.444 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.05 min

Lab File: VX000589.D

Acq: 31 Mar 2018 13:38

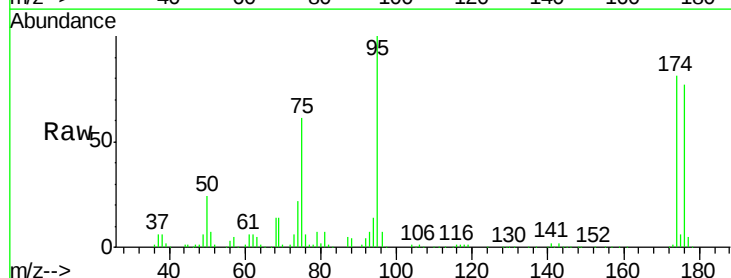
Tgt Ion: 75 Resp: 58717

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 39.4 59.0#



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

60000

50000

40000

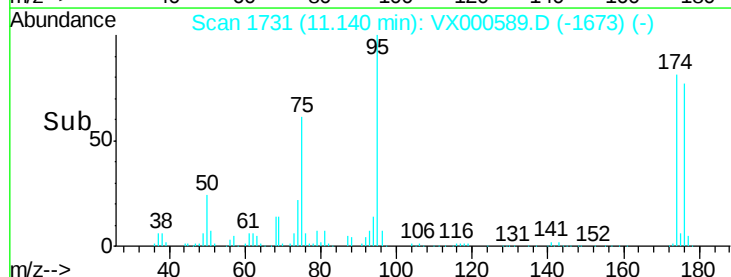
30000

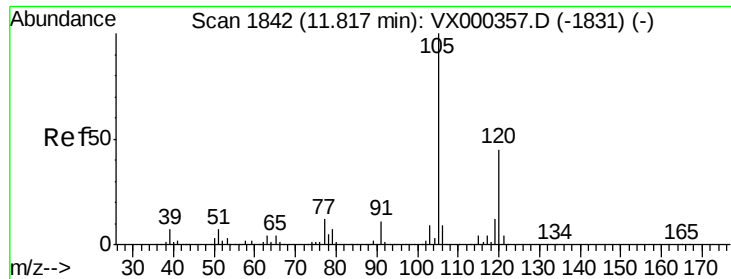
20000

10000

0

Time-->

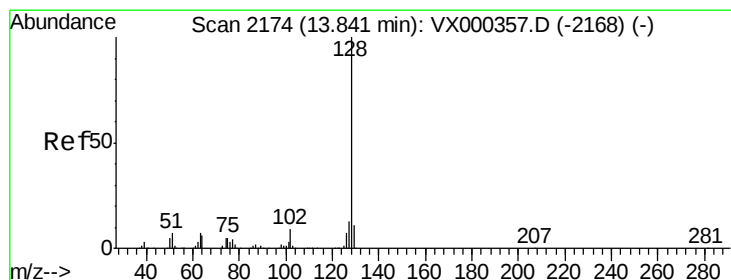
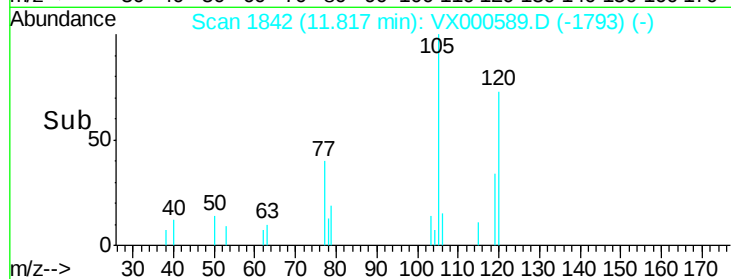
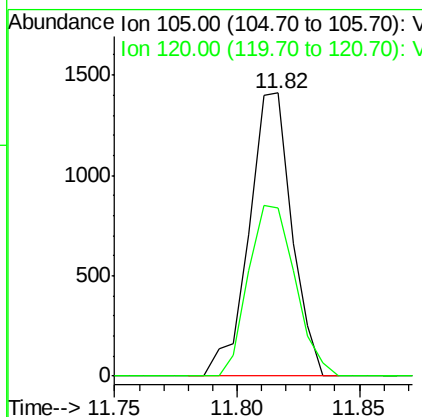
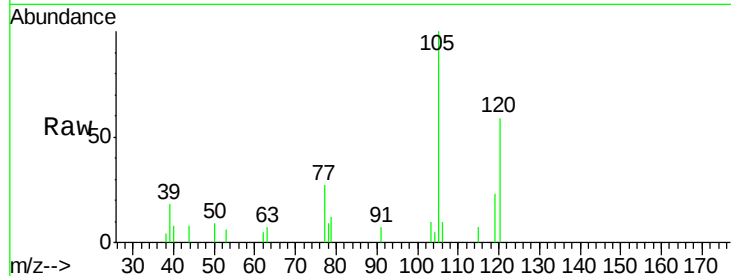




#84
 1,2,4-Trimethylbenzene
 Concen: 0.242 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: VX000589.D
 Acq: 31 Mar 2018 13:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 1727
 Ion Ratio Lower Upper
 105 100
 120 65.9 22.4 67.3



#95
 Naphthalene
 Concen: 1.599 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000589.D
 Acq: 31 Mar 2018 13:38

Tgt Ion:128 Resp: 15953
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.6 15.8
 129 10.8 8.9 13.3

