

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003565.D
 Acq On : 21 Jul 2018 19:46
 Operator : JC/SP
 Sample : J3965-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0030

Quant Time: Jul 23 01:40:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	415864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	375258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	173186	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
35) Dibromofluoromethane	5.51	113	151523	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.72	98	566736	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.14	95	194185	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	

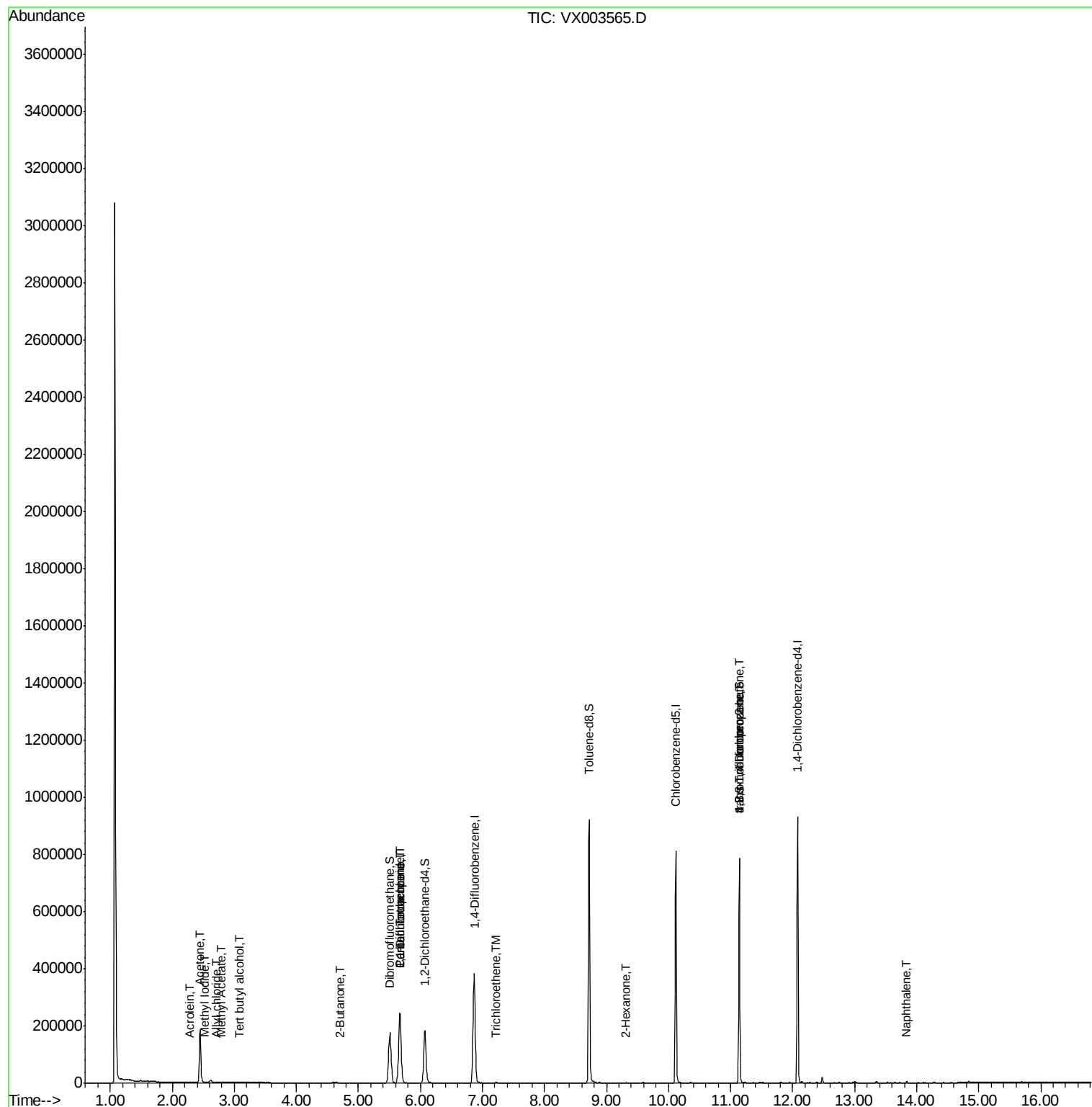
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	113	Below Cal	#	43
3) Chloromethane	1.32	50	1017	Below Cal	#	77
5) Bromomethane	1.61	94	57	Below Cal		86
10) Methyl Iodide	2.51	142	709	0.20	ug/l #	86
11) Tert butyl alcohol	3.08	59	305	0.50	ug/l #	73
13) Acrolein	2.29	56	153	0.55	ug/l #	58
14) Allyl chloride	2.71	41	1018	0.22	ug/l #	37
16) Acetone	2.45	43	196374	168.35	ug/l #	77
18) Methyl Acetate	2.79	43	905	0.25	ug/l #	81
20) Methylene Chloride	2.86	84	387	Below Cal	#	73
25) 2-Butanone	4.71	43	1217	0.62	ug/l	91
36) 1,1-Dichloropropene	5.67	75	17124	3.81	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22779	5.17	ug/l #	17
44) Trichloroethene	7.22	130	1080	0.27	ug/l	94
59) 2-Hexanone	9.31	43	1078	0.34	ug/l	65
76) 1,2,3-Trichloropropane	11.14	75	92004	24.96	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	92004	69.90	ug/l #	7
95) Naphthalene	13.83	128	3125	0.22	ug/l #	96

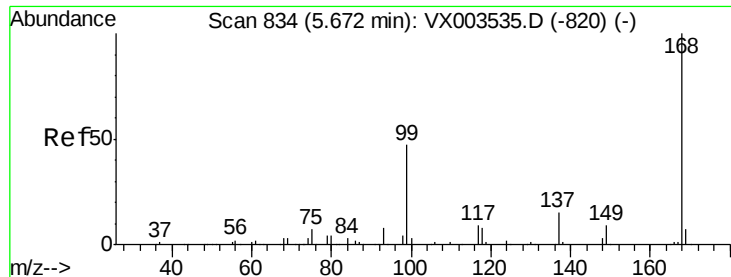
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072118\
Data File : VX003565.D
Acq On : 21 Jul 2018 19:46
Operator : JC/SP
Sample : J3965-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF1-0030

Quant Time: Jul 23 01:40:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

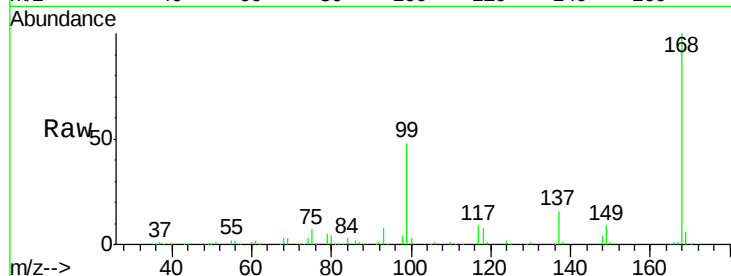
LF1-0030

Tot Ion:168 Resp: 260879

Ion Ratio Lower Upper

168 100

99 48.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

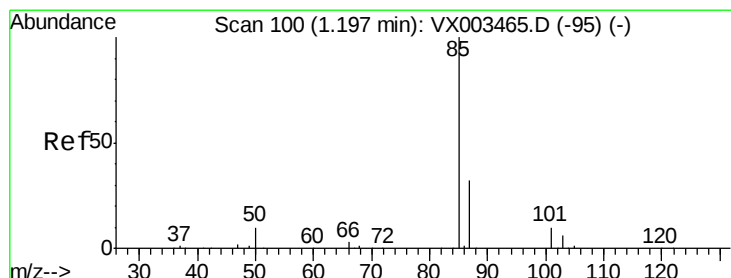
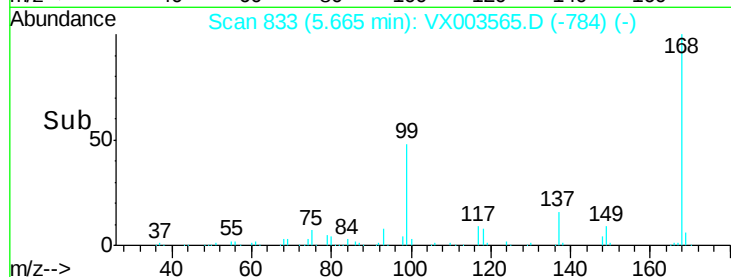
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003565.D

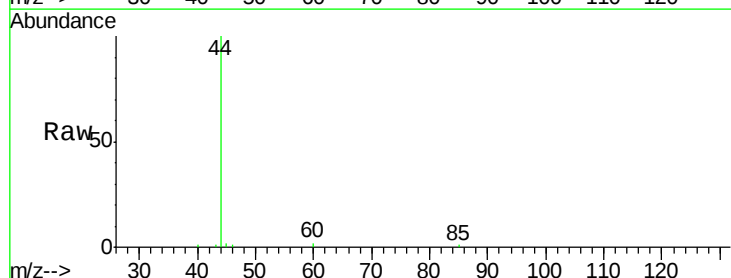
Acq: 21 Jul 2018 19:46

Tgt Ion: 85 Resp: 113

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

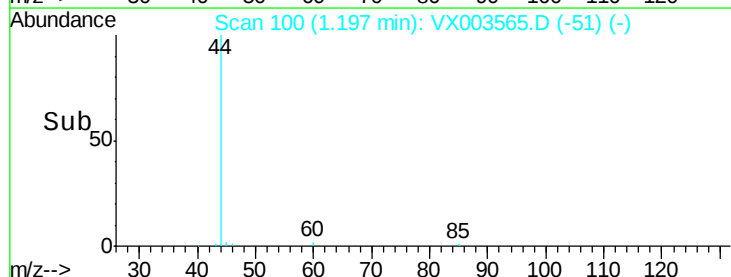
150

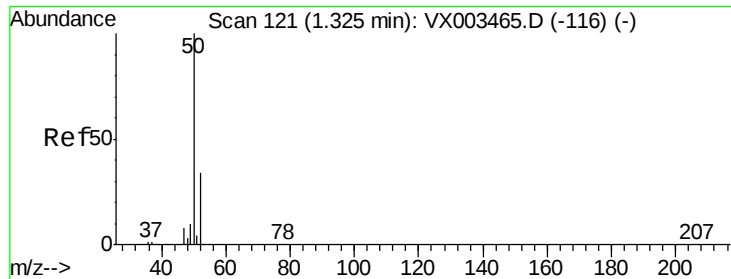
100

50

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

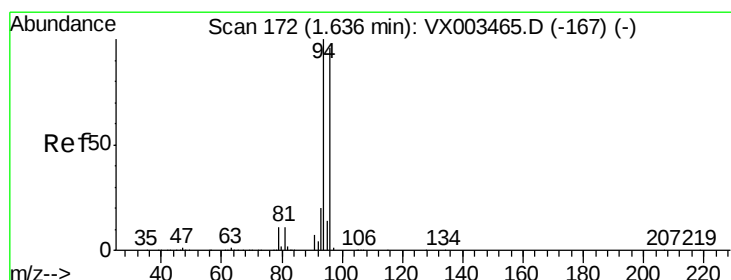
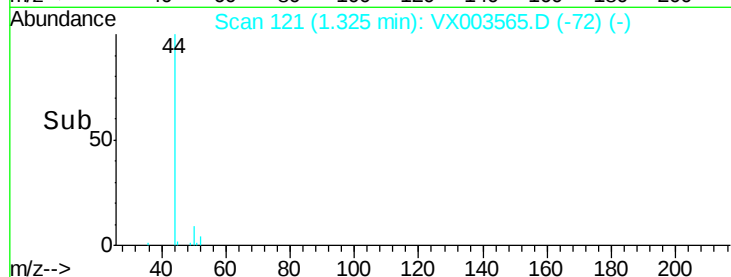
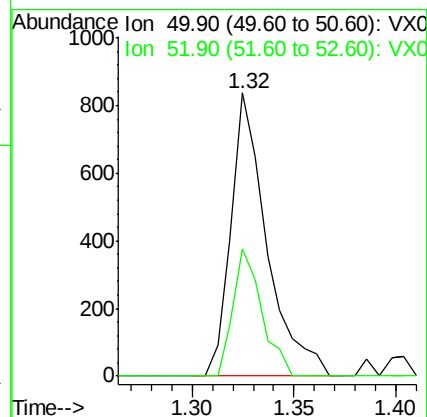
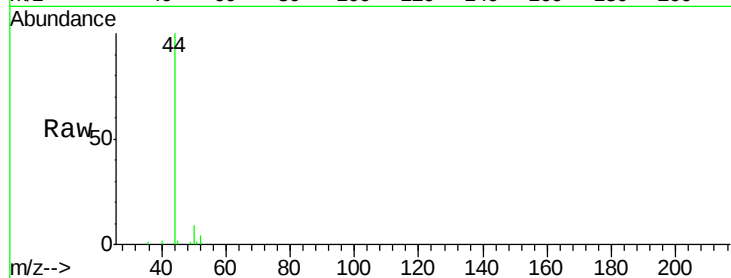
LF1-0030

Tot Ion: 50 Resp: 1017

Ion Ratio Lower Upper

50 100

52 45.0 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX003565.D

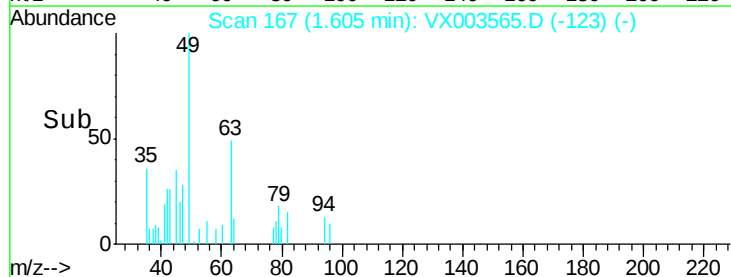
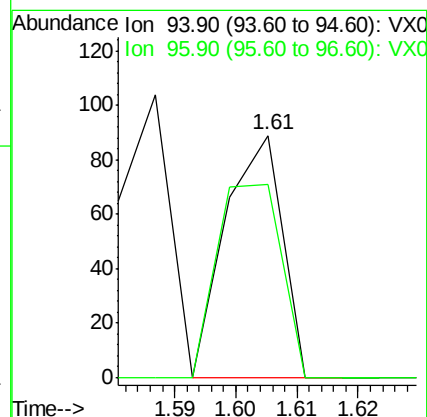
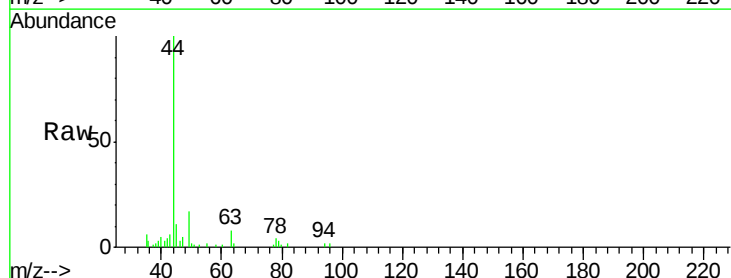
Acq: 21 Jul 2018 19:46

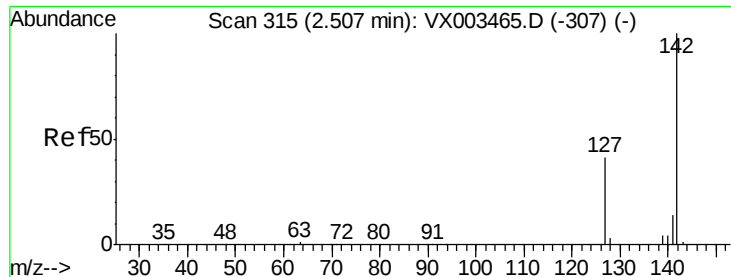
Tgt Ion: 94 Resp: 57

Ion Ratio Lower Upper

94 100

96 79.8 74.9 112.3

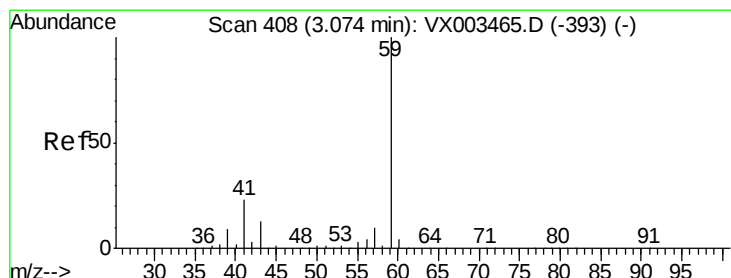
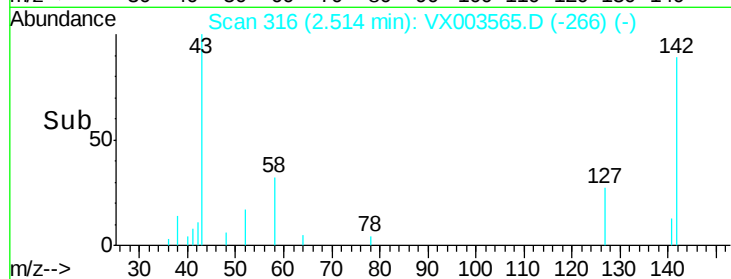
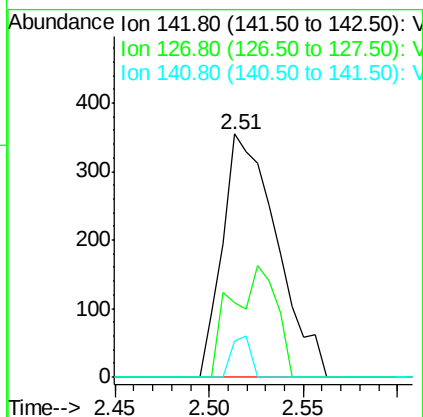
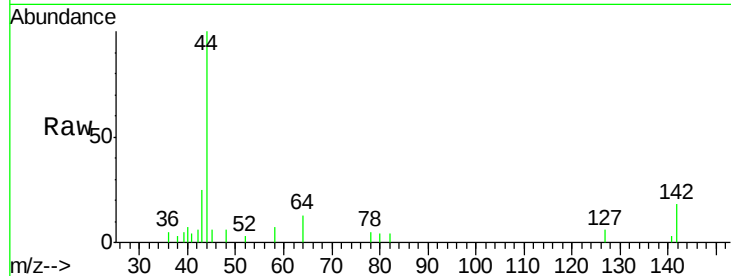




#10
Methvl Iodide
Concen: 0.20 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

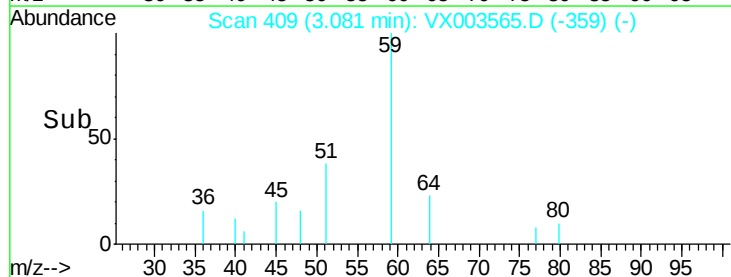
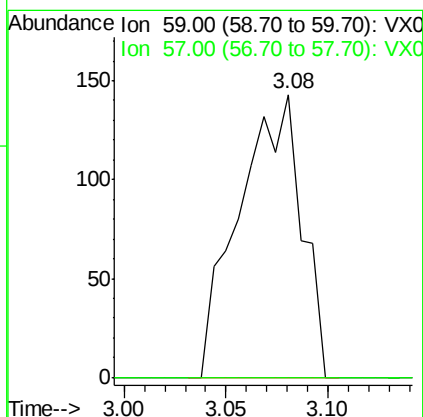
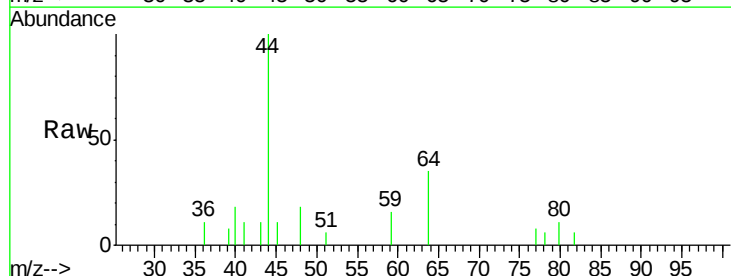
Instrument :
MSVOA_X
ClientSampleId :
LF1-0030

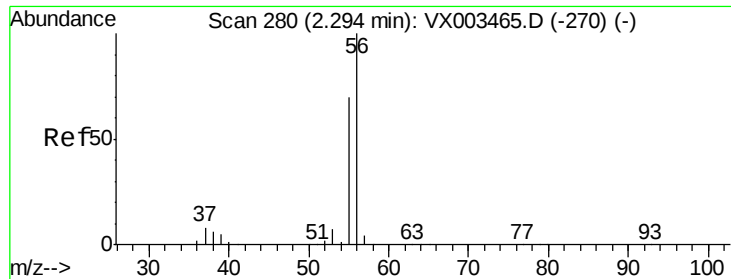
Tot Ion:142 Resp: 709
Ion Ratio Lower Upper
142 100
127 37.5 36.6 55.0
141 5.8 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.50 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

Tgt Ion: 59 Resp: 305
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.55 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

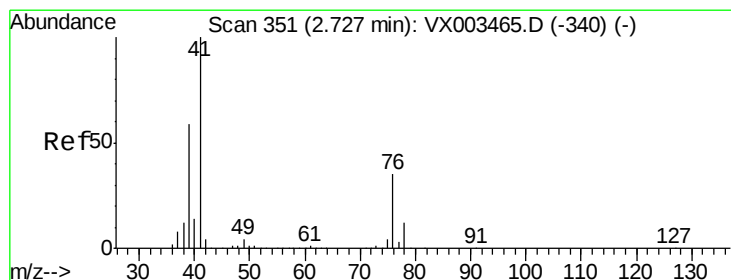
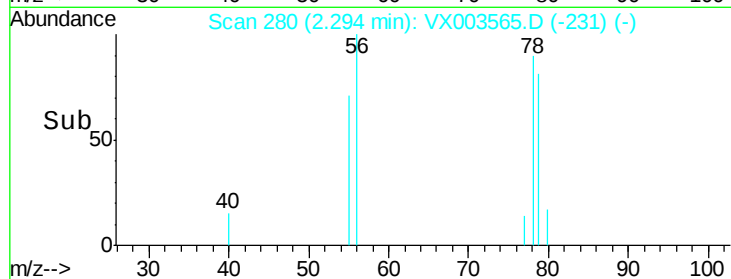
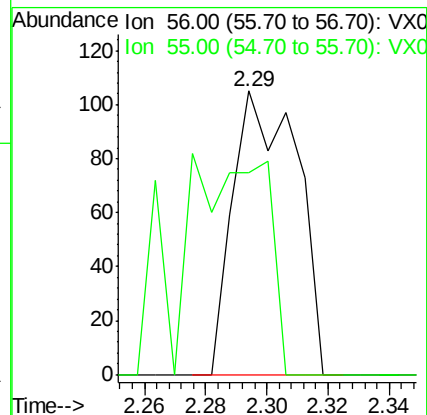
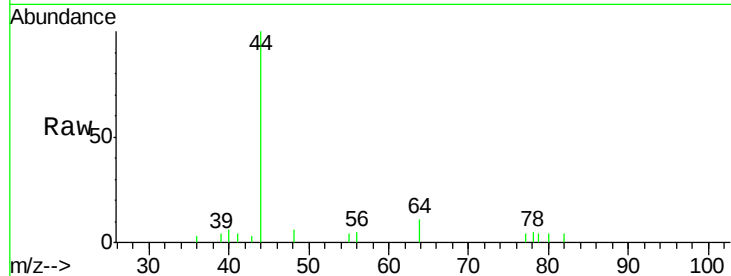
LF1-0030

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 105.9 57.0 85.4#



#14

Allyl chloride

Concen: 0.22 ug/l

RT: 2.71 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

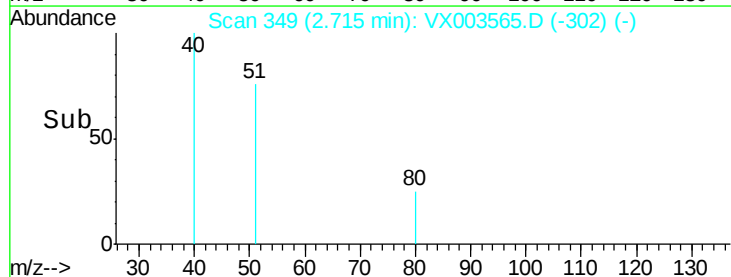
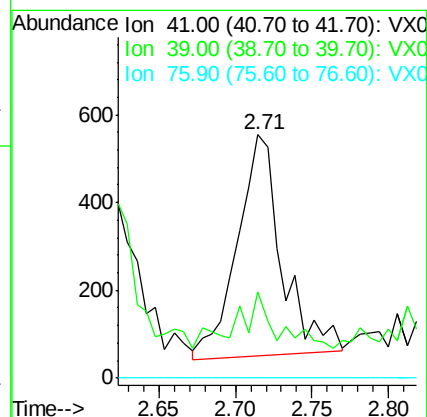
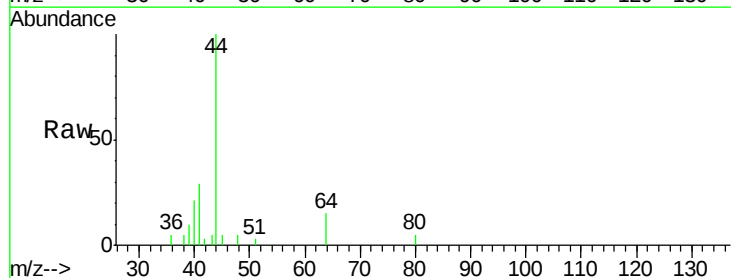
Tgt Ion: 41 Resp: 1018

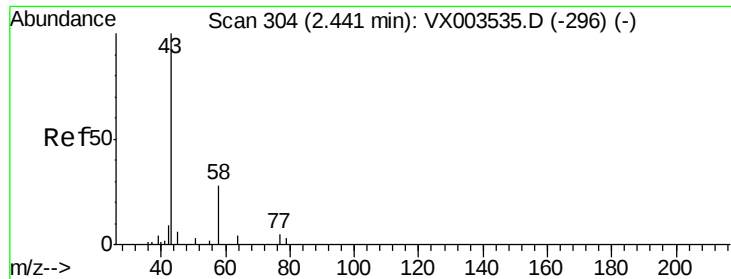
Ion Ratio Lower Upper

41 100

39 16.7 56.8 85.2#

76 0.0 23.8 35.8#





#16

Acetone

Concen: 168.35 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampled :

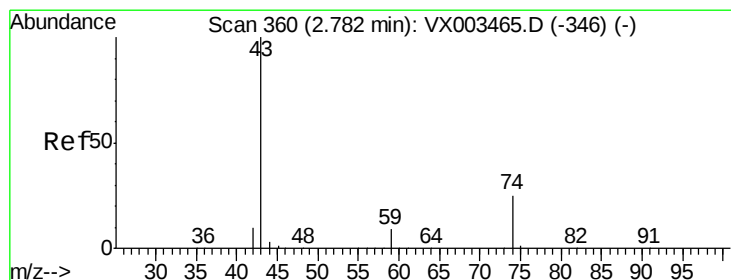
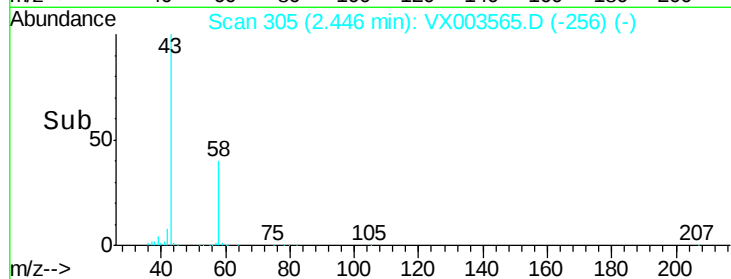
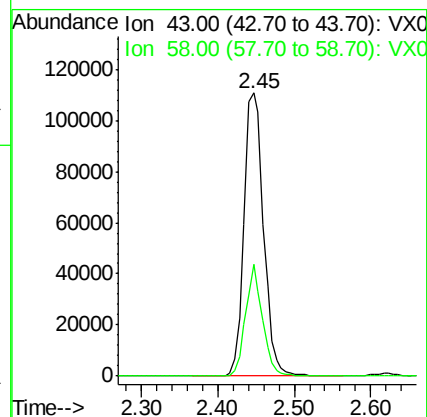
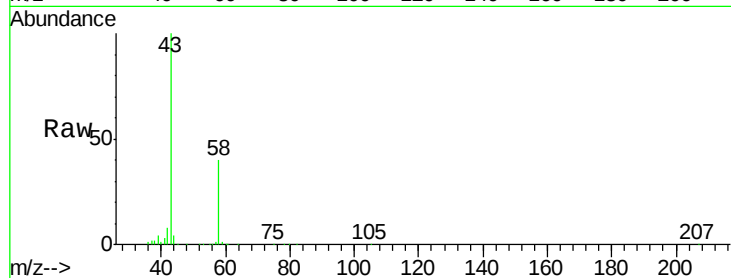
LF1-0030

Tot Ion: 43 Resp: 196374

Ion Ratio Lower Upper

43 100

58 39.7 22.1 33.1#



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX003565.D

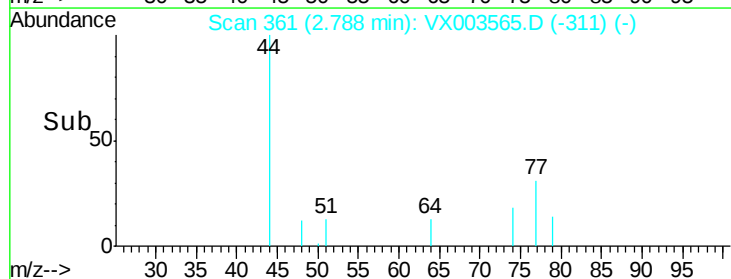
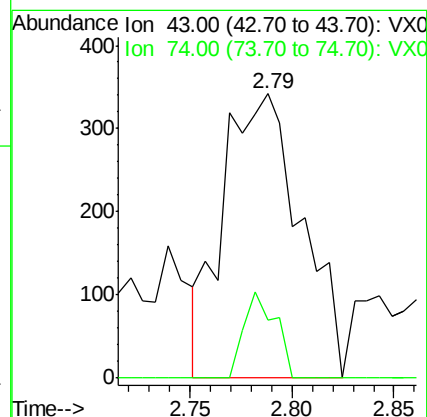
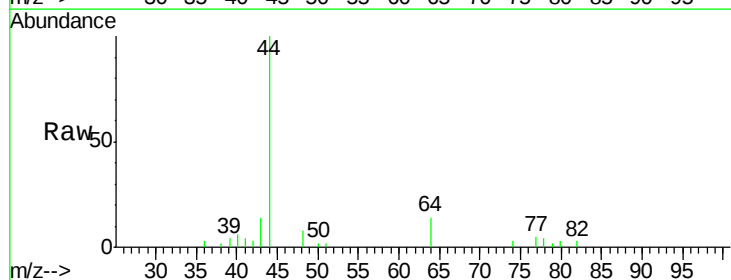
Acq: 21 Jul 2018 19:46

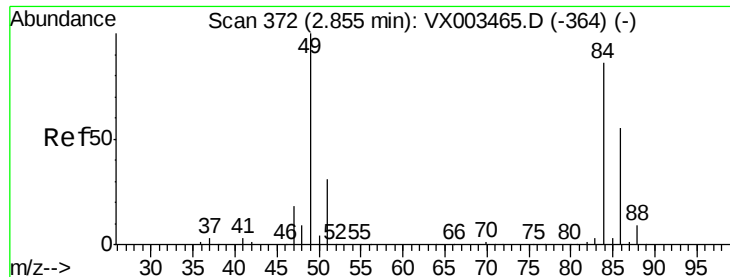
Tgt Ion: 43 Resp: 905

Ion Ratio Lower Upper

43 100

74 12.2 16.7 25.1#

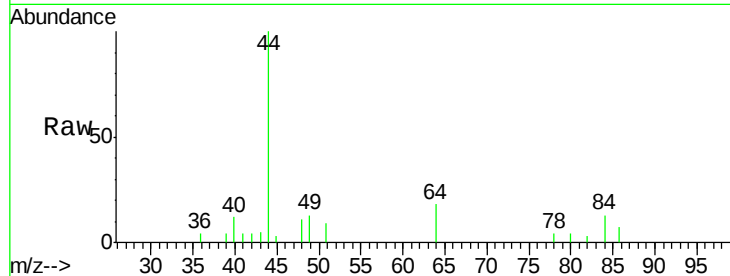




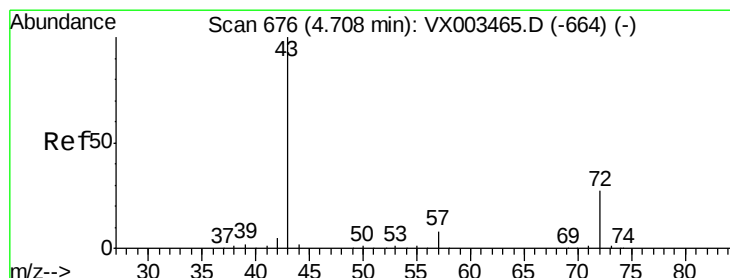
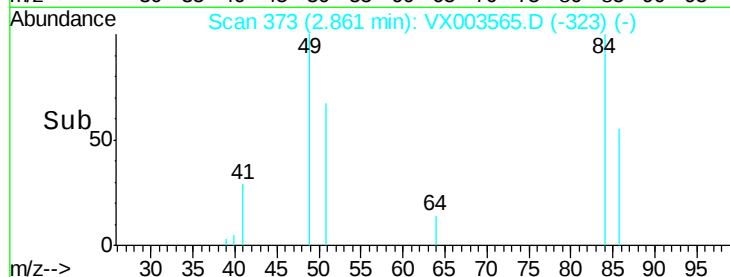
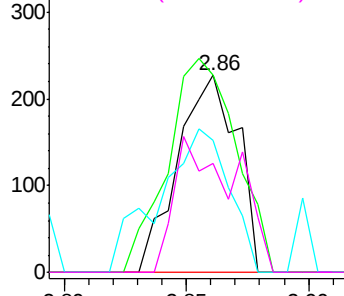
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :
LF1-0030

Tot Ion: 84 Resp: 387
Ion Ratio Lower Upper
84 100
49 100.4 107.8 161.6#
51 67.0 32.8 49.2#
86 55.1 52.5 78.7

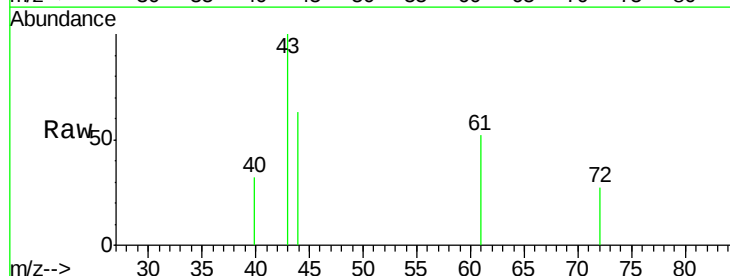


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

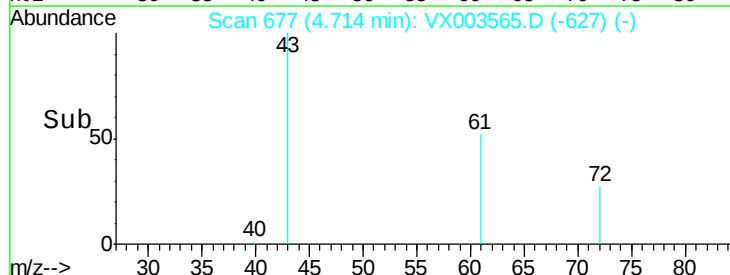
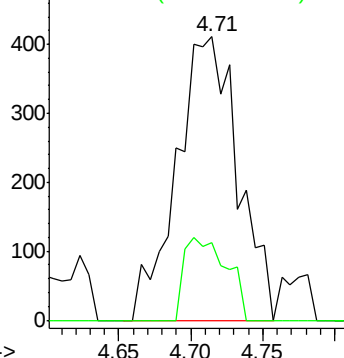


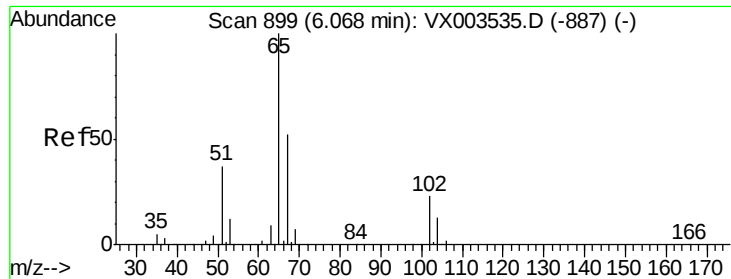
#25
2-Butanone
Concen: 0.62 ug/l
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

Tgt Ion: 43 Resp: 1217
Ion Ratio Lower Upper
43 100
72 27.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 56.08 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

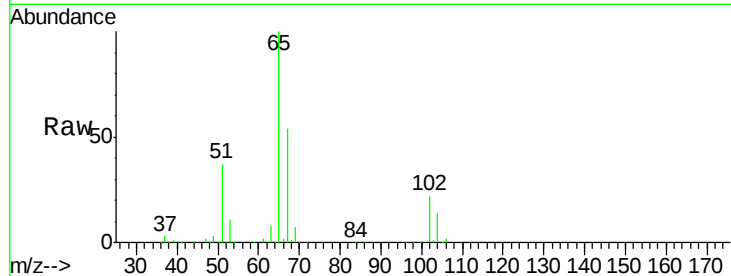
LF1-0030

Tot Ion: 65 Resp: 173186

Ion Ratio Lower Upper

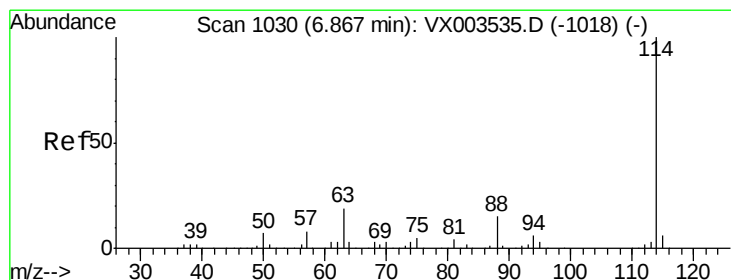
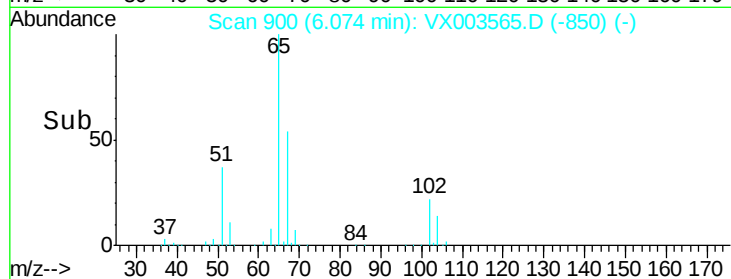
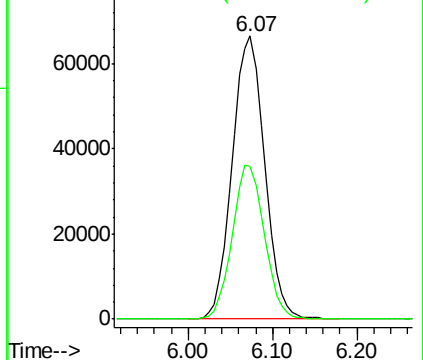
65 100

67 54.0 0.0 102.6



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. 0.01 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

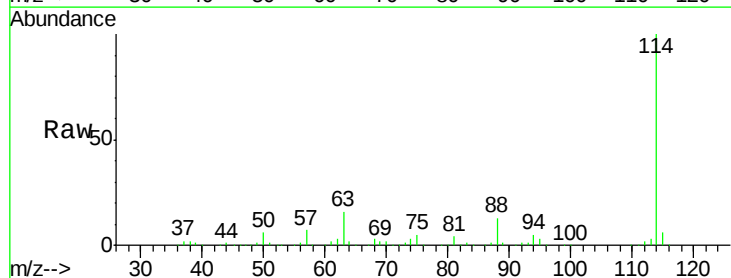
Tgt Ion: 114 Resp: 415864

Ion Ratio Lower Upper

114 100

63 16.3 0.0 41.4

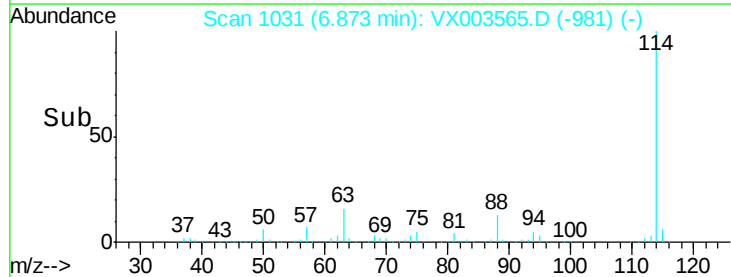
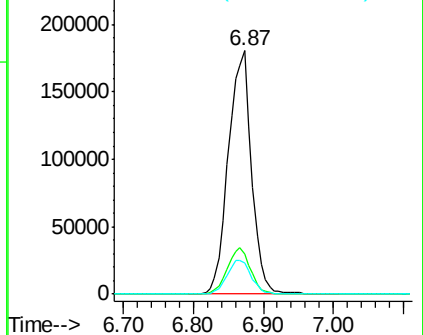
88 12.6 0.0 30.0

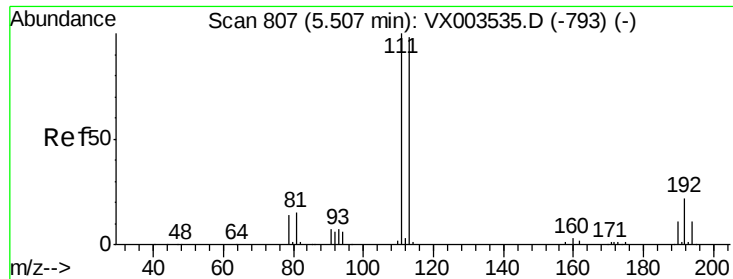


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

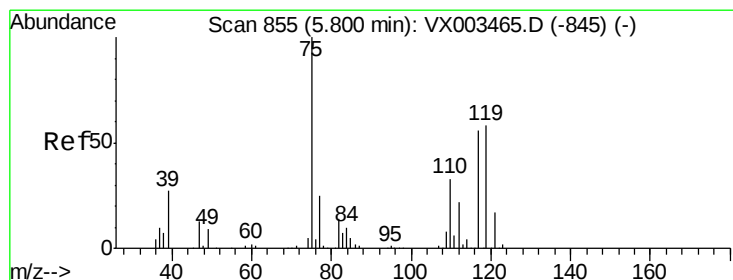
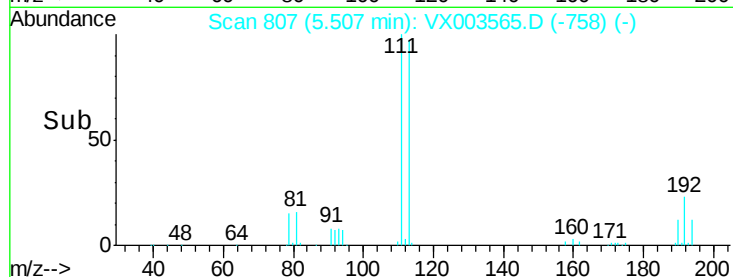
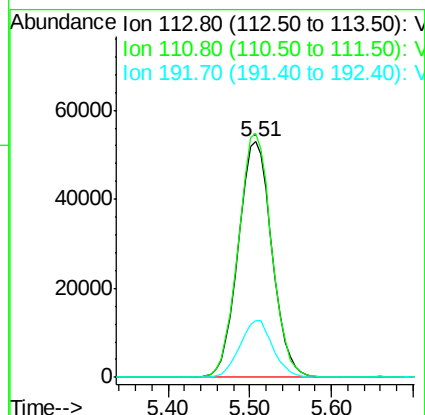
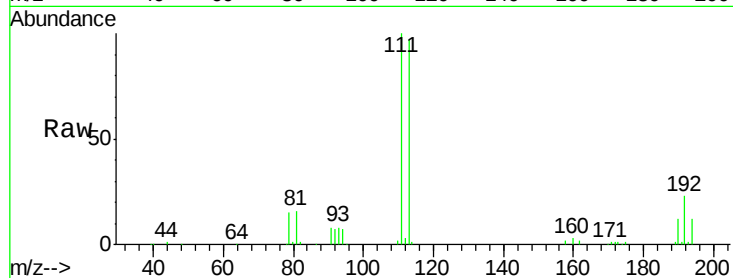




#35
 Dibromofluoromethane
 Concen: 47.84 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003565.D
 Acq: 21 Jul 2018 19:46

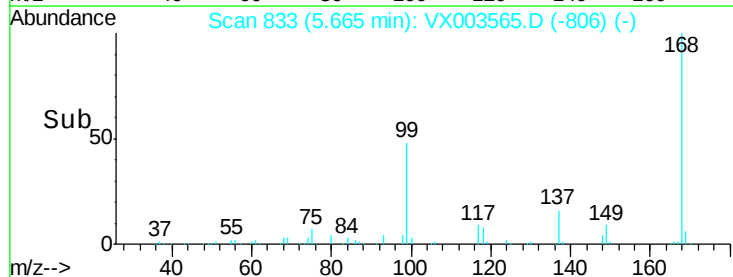
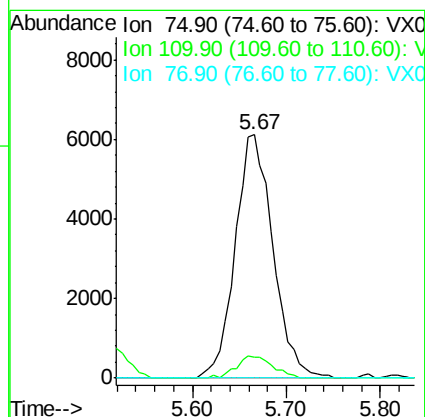
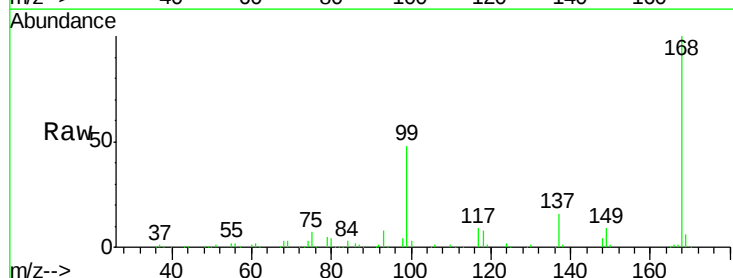
Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0030

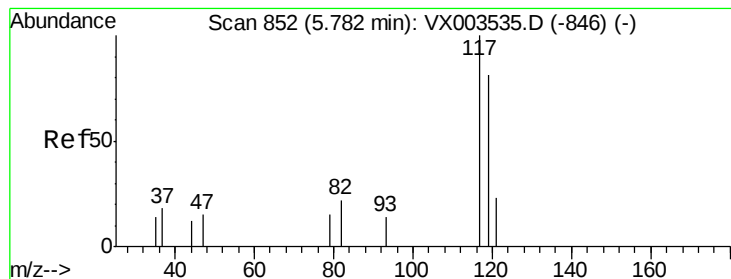
Tot Ion:113 Resp: 151523
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.0
 192 23.6 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003565.D
 Acq: 21 Jul 2018 19:46

Tgt Ion: 75 Resp: 17124
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampled :

LF1-0030

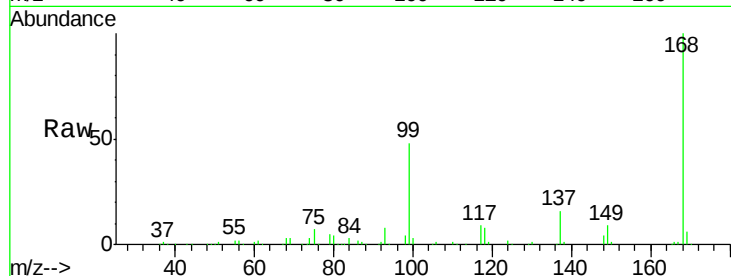
Tot Ion:117 Resp: 22779

Ion Ratio Lower Upper

117 100

119 7.4 77.4 116.0#

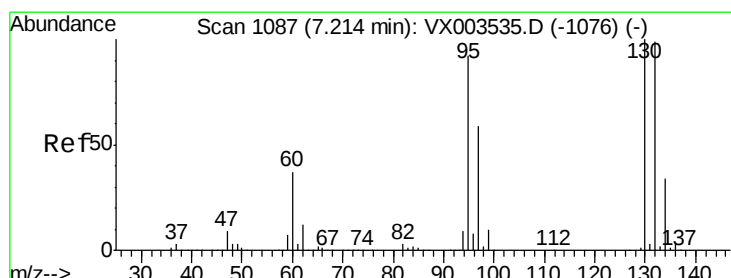
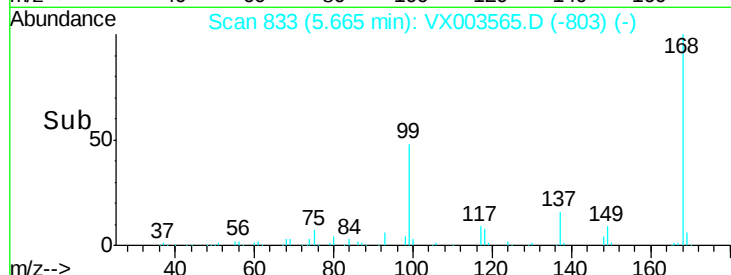
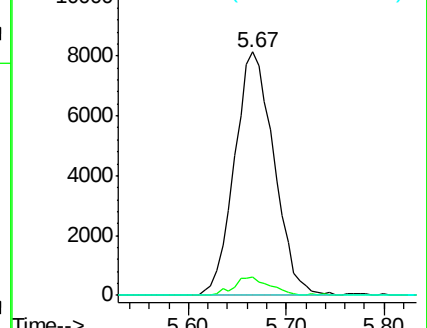
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 0.27 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX003565.D

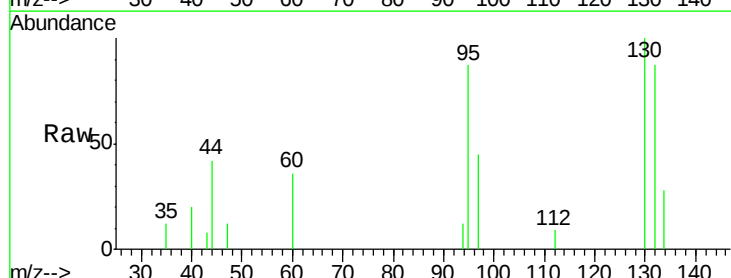
Acq: 21 Jul 2018 19:46

Tgt Ion:130 Resp: 1080

Ion Ratio Lower Upper

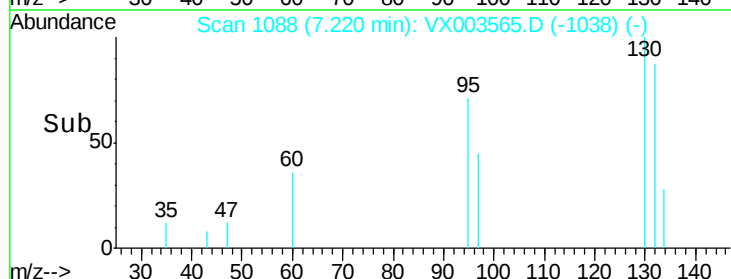
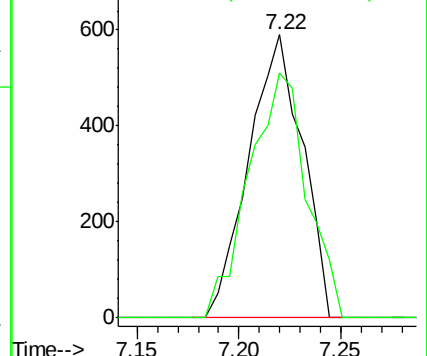
130 100

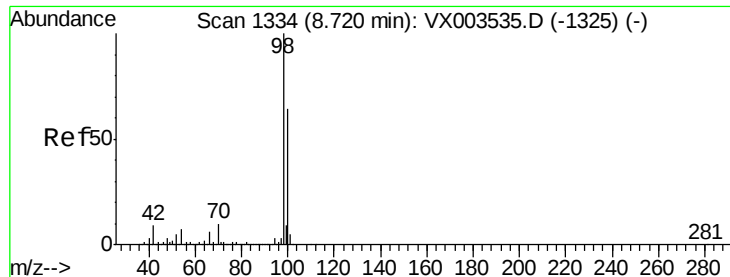
95 86.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 47.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

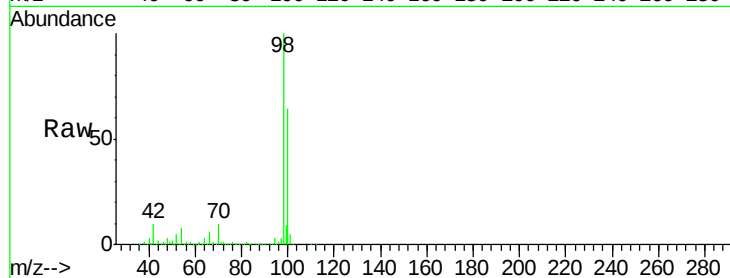
LF1-0030

Tot Ion: 98 Resp: 566736

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

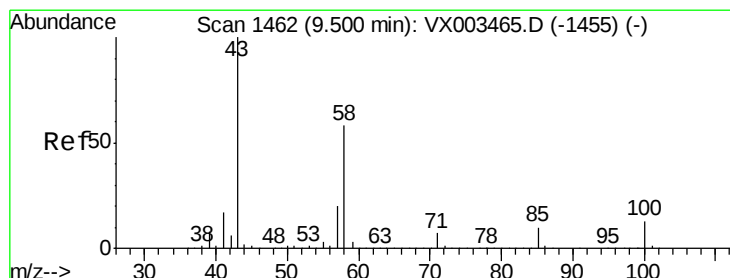
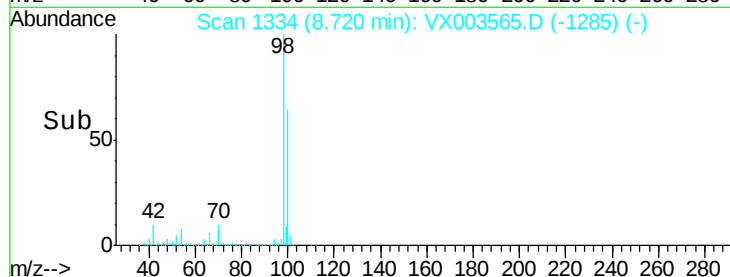
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#59

2-Hexanone

Concen: 0.34 ug/l

RT: 9.31 min Scan# 1431

Delta R.T. -0.19 min

Lab File: VX003565.D

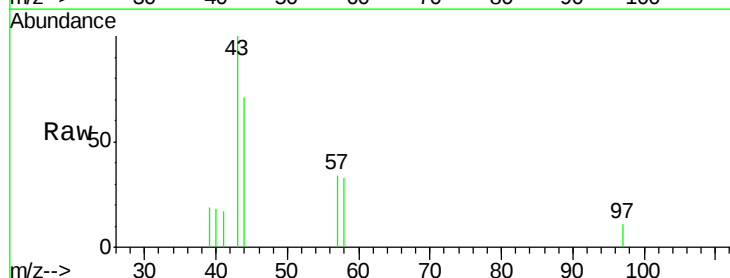
Acq: 21 Jul 2018 19:46

Tgt Ion: 43 Resp: 1078

Ion Ratio Lower Upper

43 100

58 25.1 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.31

600

500

400

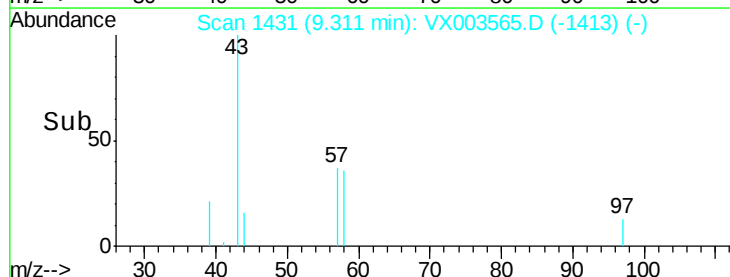
300

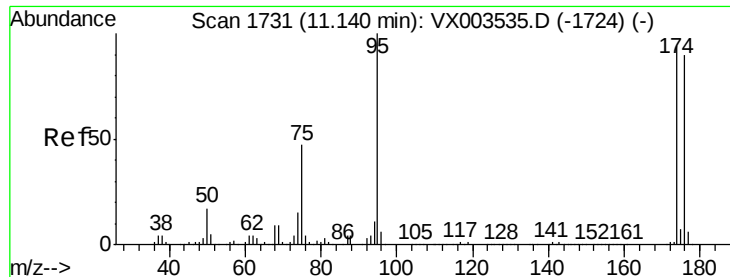
200

100

0

Time--> 9.25 9.30 9.35 9.40





#62

4-Bromofluorobenzene

Concen: 44.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampled :

LF1-0030

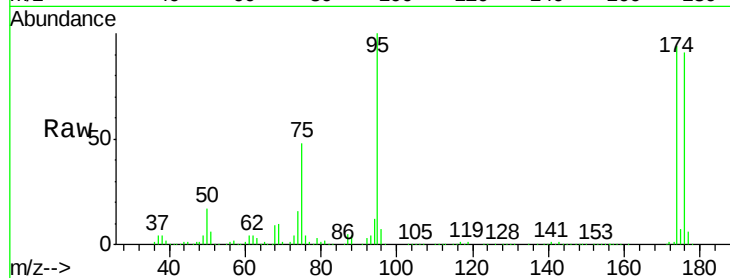
Tot Ion: 95 Resp: 194185

Ion Ratio Lower Upper

95 100

174 94.1 0.0 187.4

176 91.1 0.0 181.0

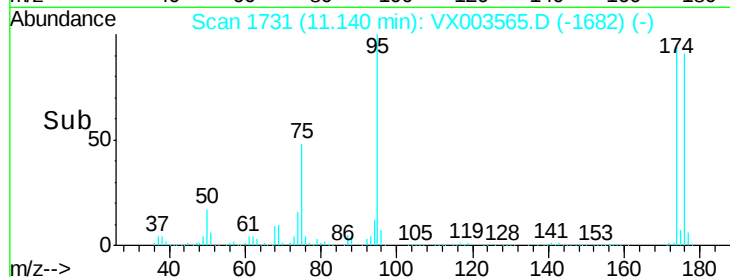


Abundance Ion 94.90 (94.60 to 95.60): VX003535.D (-1724) (-)

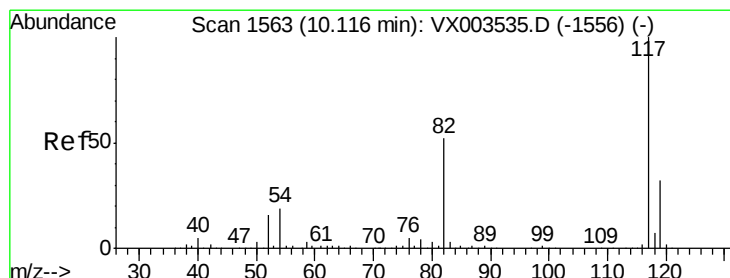
Ion 173.80 (173.50 to 174.50): VX003535.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003535.D (-1724) (-)

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

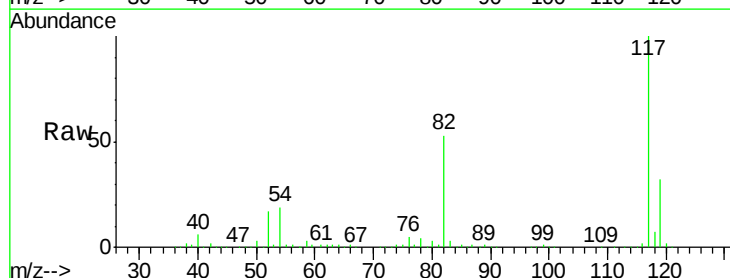
Tgt Ion: 117 Resp: 375258

Ion Ratio Lower Upper

117 100

82 53.5 45.0 67.4

119 32.3 25.8 38.6

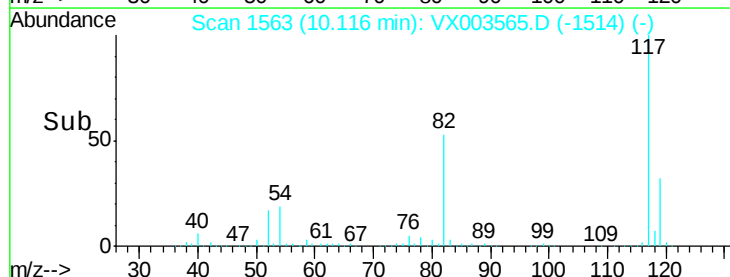


Abundance Ion 116.90 (116.60 to 117.60): VX003535.D (-1556) (-)

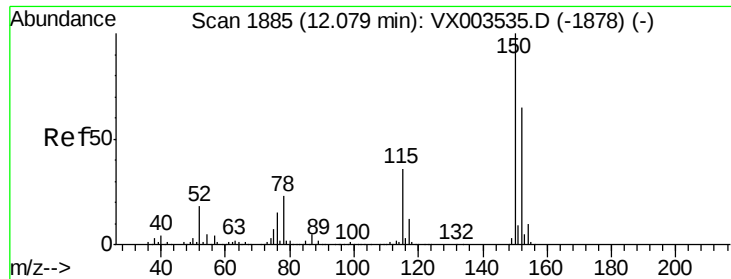
Ion 82.00 (81.70 to 82.70): VX003535.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003535.D (-1556) (-)

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX003565.D

Acq: 21 Jul 2018 19:46

Instrument :

MSVOA_X

ClientSampleId :

LF1-0030

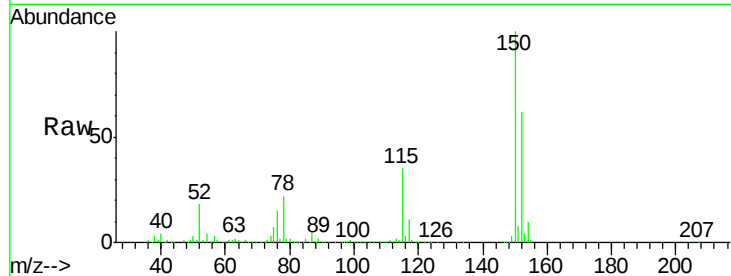
Tot Ion:152 Resp: 205170

Ion Ratio Lower Upper

152 100

115 54.7 40.1 120.2

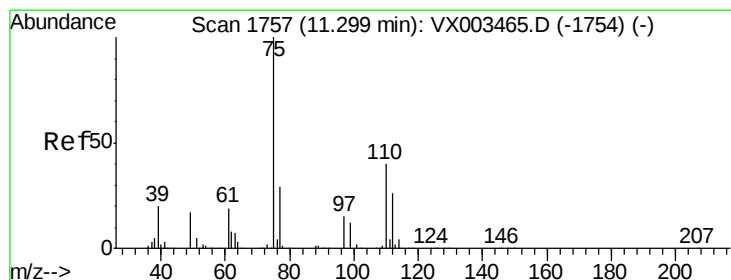
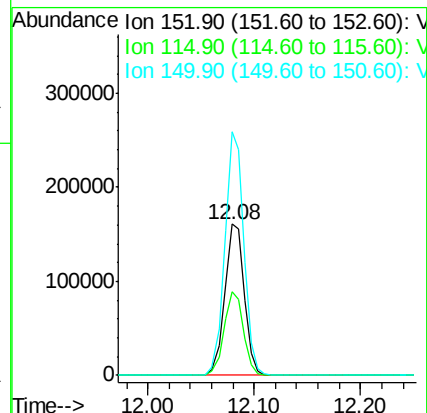
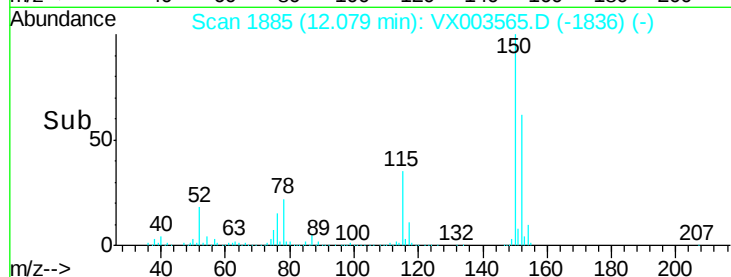
150 157.0 0.0 347.2



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: 24.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003565.D

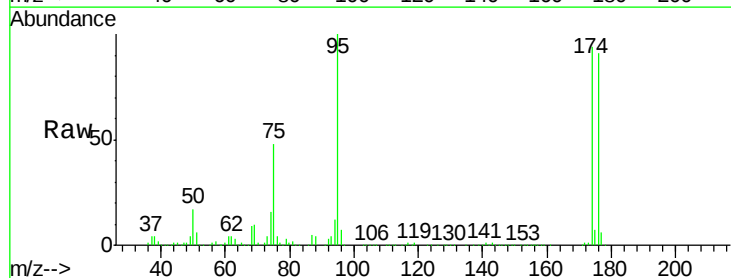
Acq: 21 Jul 2018 19:46

Tgt Ion: 75 Resp: 92004

Ion Ratio Lower Upper

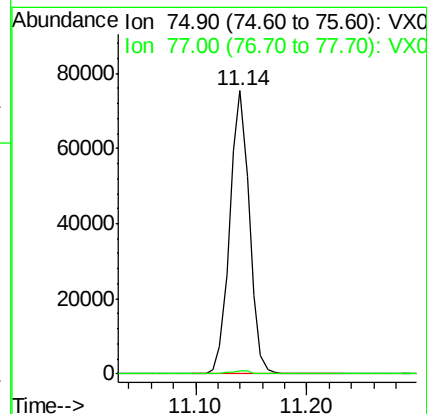
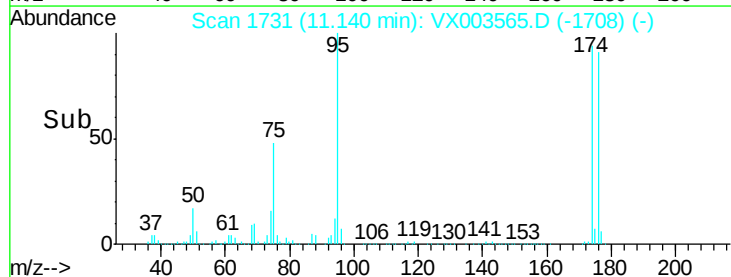
75 100

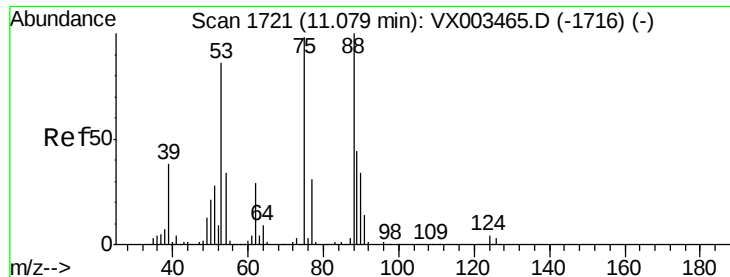
77 1.3 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

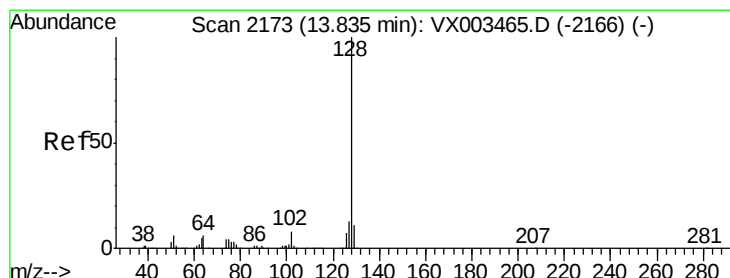
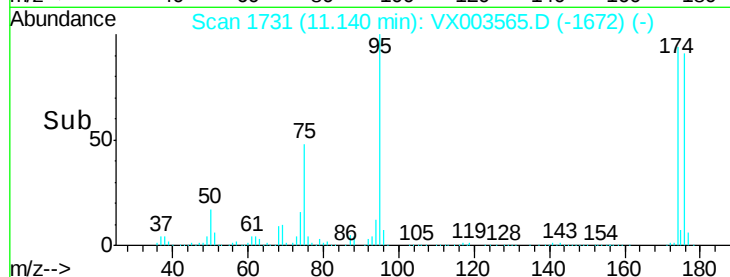
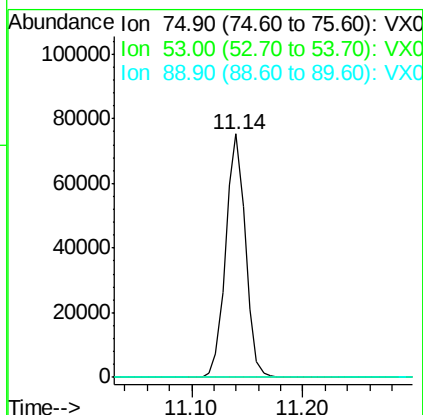
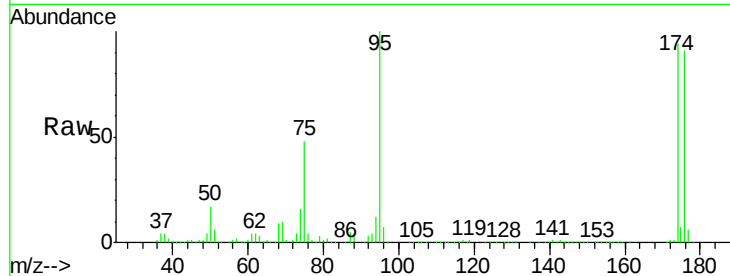




#81
trans-1,4-Dichloro-2-butene
Concen: 69.90 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

Instrument :
MSVOA_X
ClientSampleId :
LF1-0030

Tot Ion: 75 Resp: 92004
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: 0.22 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003565.D
Acq: 21 Jul 2018 19:46

Tgt Ion:128 Resp: 3125
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 13.9 8.6 13.0#

