

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003566.D
 Acq On : 21 Jul 2018 20:12
 Operator : JC/SP
 Sample : J3965-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0031

Quant Time: Jul 23 01:40:57 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	273481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	424733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218130	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	177803	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
35) Dibromofluoromethane	5.51	113	156359	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	8.72	98	581056	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.14	95	201205	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

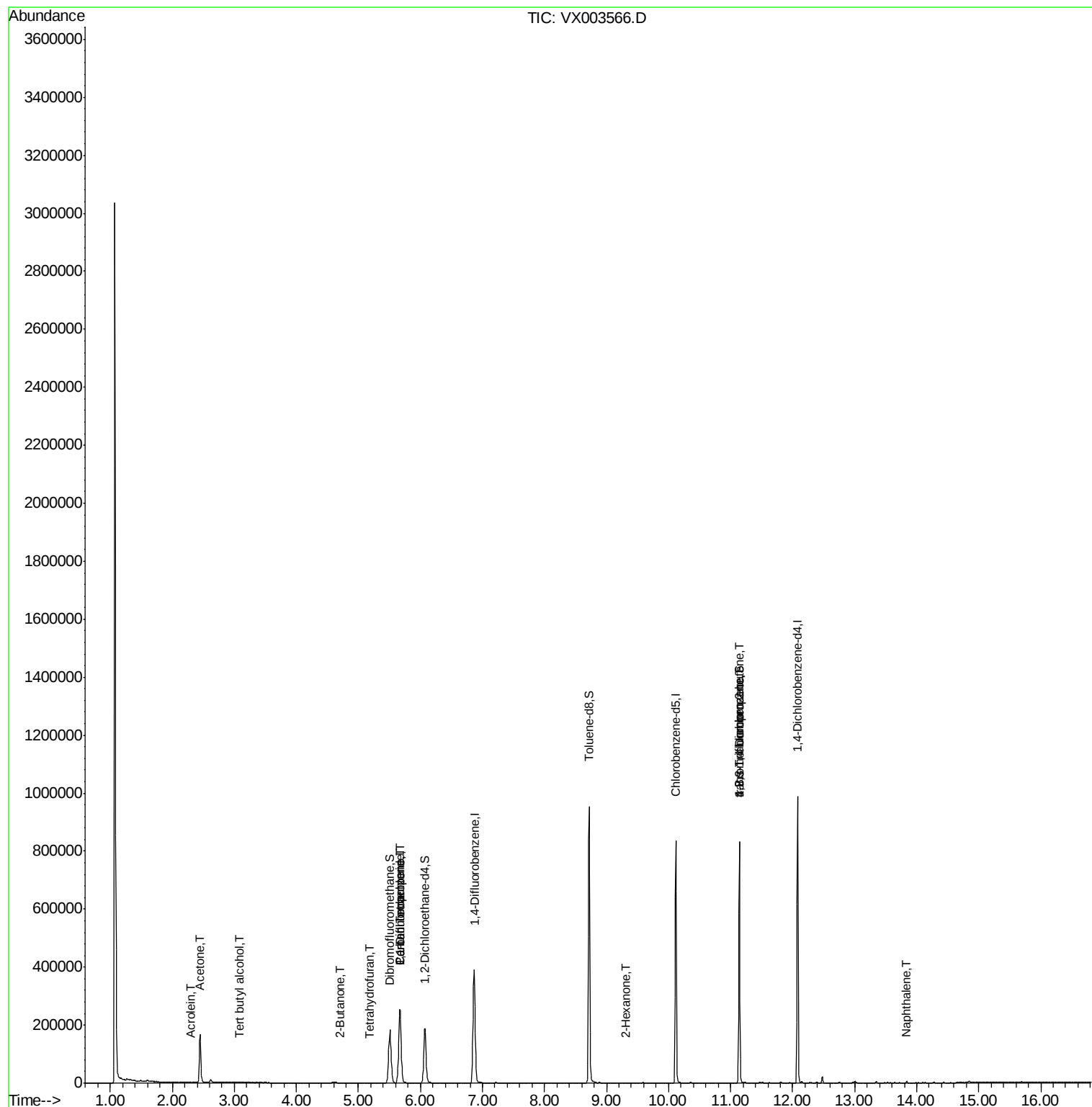
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	227	Below Cal		89
3) Chloromethane	1.32	50	1218	Below Cal		95
5) Bromomethane	1.61	94	41	Below Cal	#	3
11) Tert butyl alcohol	3.07	59	298	0.47	ug/l #	73
13) Acrolein	2.29	56	121	0.42	ug/l #	14
16) Acetone	2.45	43	173925	142.23	ug/l #	89
20) Methylene Chloride	2.86	84	439	Below Cal	#	74
25) 2-Butanone	4.71	43	1247	0.61	ug/l	100
29) Tetrahydrofuran	5.18	42	314	0.23	ug/l #	36
36) 1,1-Dichloropropene	5.67	75	17204	3.75	ug/l #	50
38) Carbon Tetrachloride	5.67	117	23125	5.14	ug/l #	16
59) 2-Hexanone	9.32	43	979	0.30	ug/l	67
76) 1,2,3-Trichloropropane	11.14	75	96611	24.65	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96611	69.07	ug/l #	7
95) Naphthalene	13.83	128	3357	0.22	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072118\
Data File : VX003566.D
Acq On : 21 Jul 2018 20:12
Operator : JC/SP
Sample : J3965-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF1-0031

Quant Time: Jul 23 01:40:57 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# 834

Delta R.T. 0.01 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

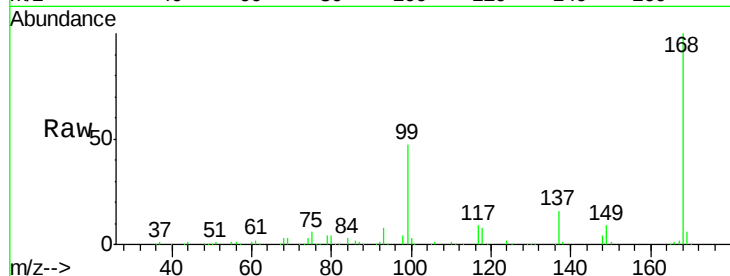
LF1-0031

Tot Ion:168 Resp: 273481

Ion Ratio Lower Upper

168 100

99 47.2 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

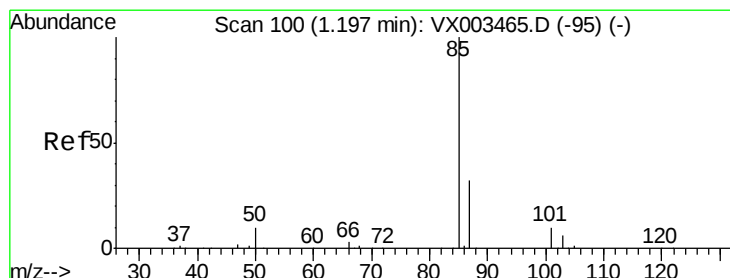
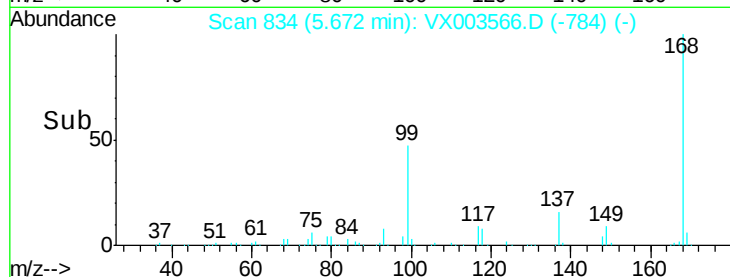
60000

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: VX003566.D

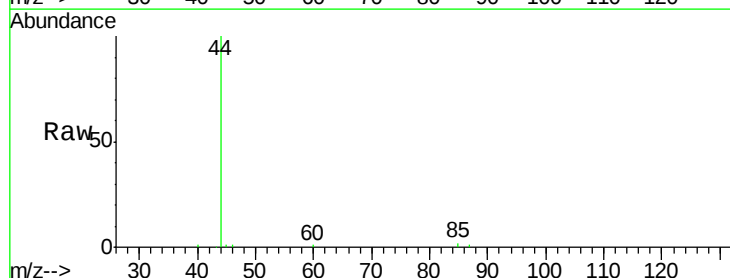
Acq: 21 Jul 2018 20:12

Tgt Ion: 85 Resp: 227

Ion Ratio Lower Upper

85 100

87 37.8 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

250

200

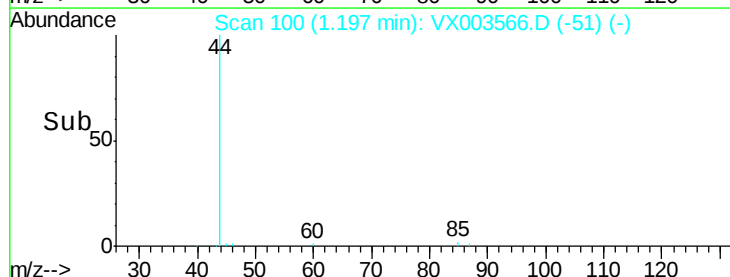
150

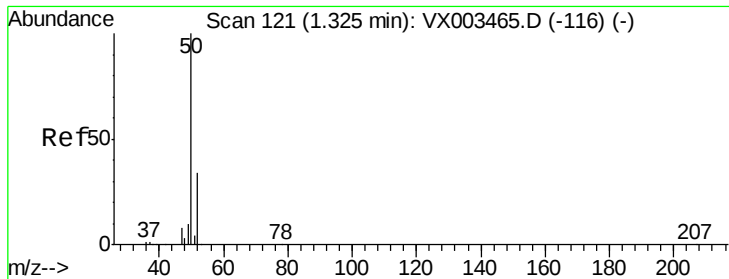
100

50

0

Time--> 1.16 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: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampled :

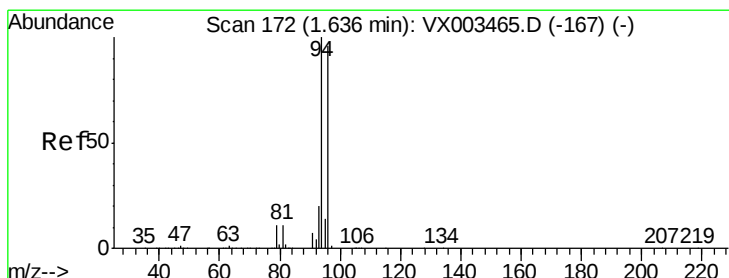
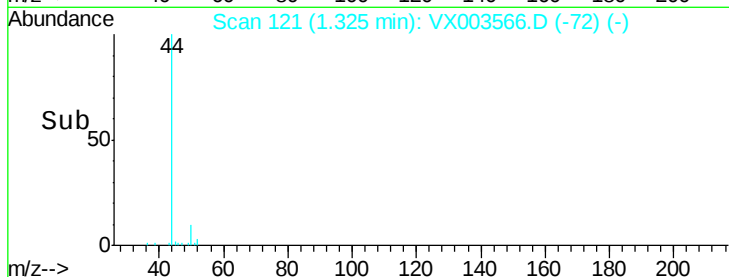
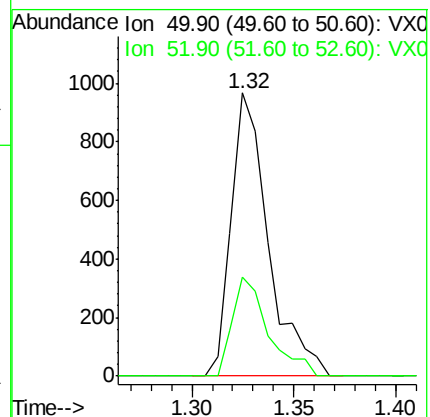
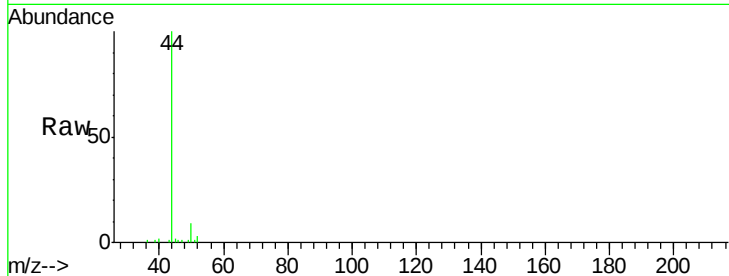
LF1-0031

Tot Ion: 50 Resp: 1218

Ion Ratio Lower Upper

50 100

52 35.0 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 168

Delta R.T. -0.02 min

Lab File: VX003566.D

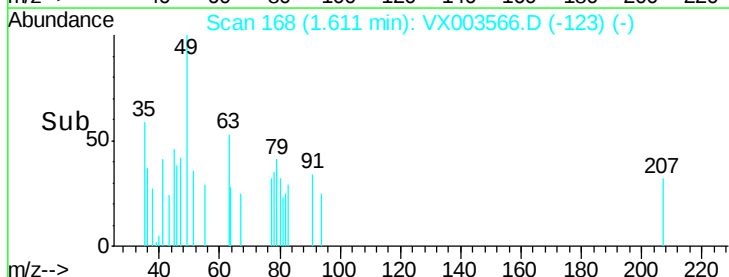
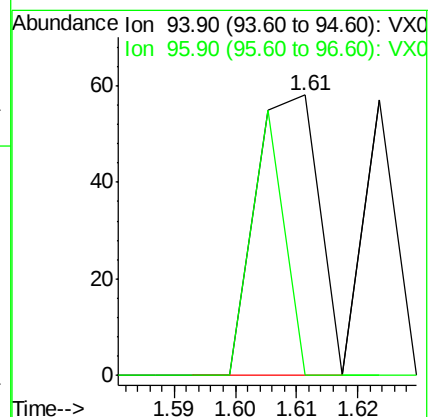
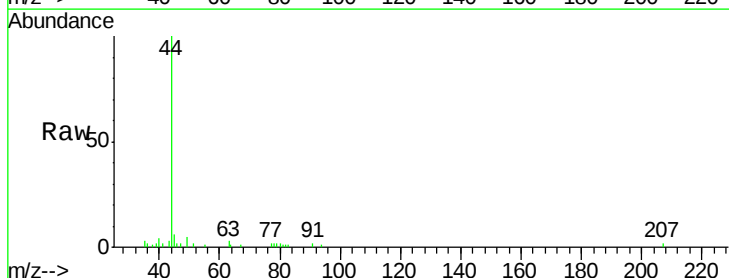
Acq: 21 Jul 2018 20:12

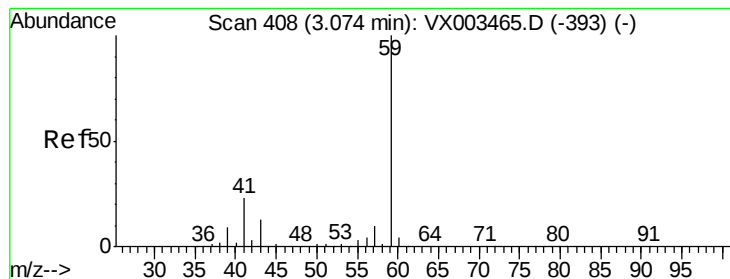
Tgt Ion: 94 Resp: 41

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#





#11

Tert butyl alcohol

Concen: 0.47 ug/l

RT: 3.07 min Scan# 408

Delta R.T. 0.00 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

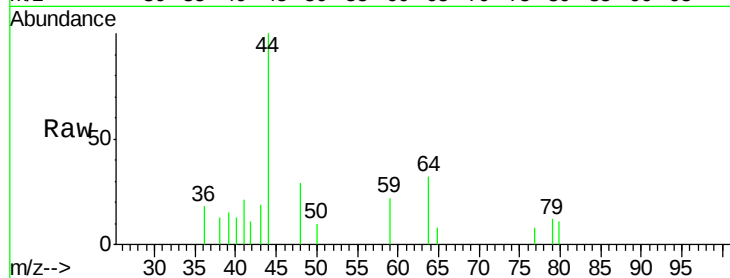
LF1-0031

Tot Ion: 59 Resp: 298

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

150

100

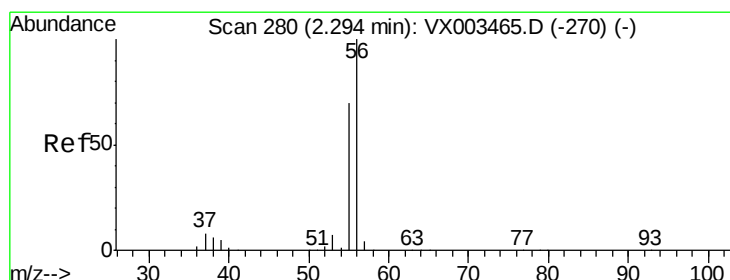
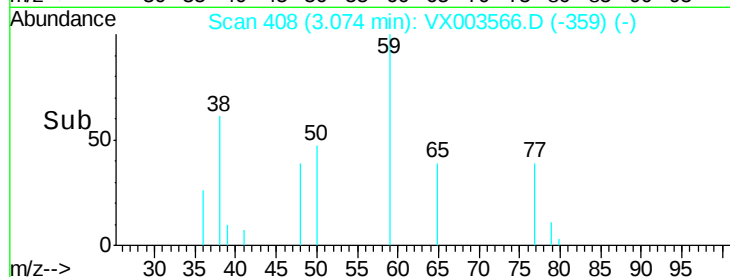
50

0

Time-->

3.05

3.10



#13

Acrolein

Concen: 0.42 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003566.D

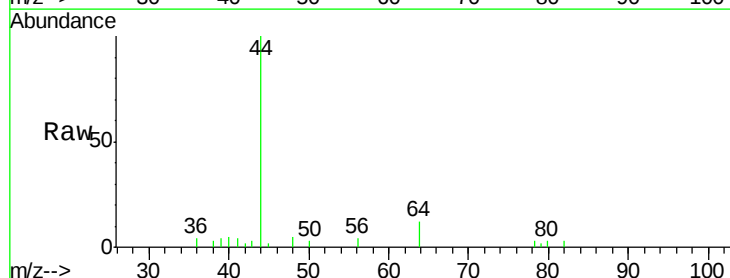
Acq: 21 Jul 2018 20:12

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

100

80

60

40

20

0

Time-->

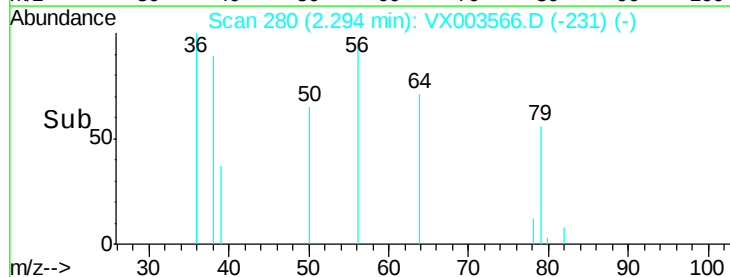
2.24

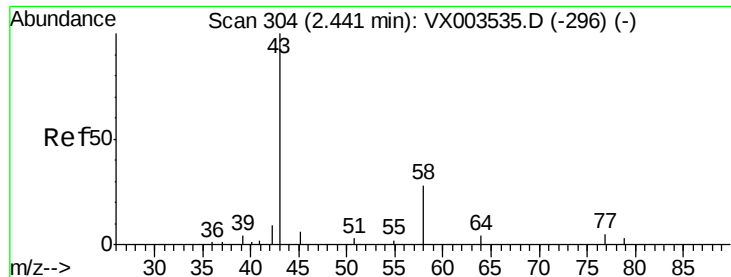
2.26

2.28

2.30

2.32





#16

Acetone

Concen: 142.23 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampled :

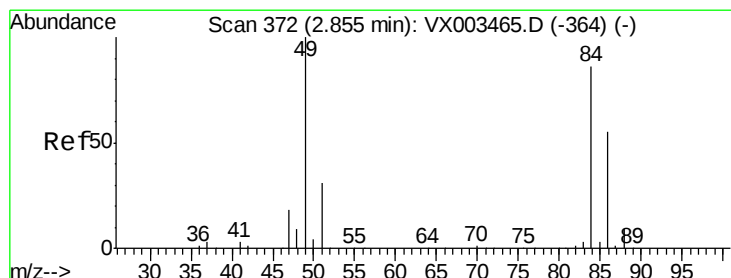
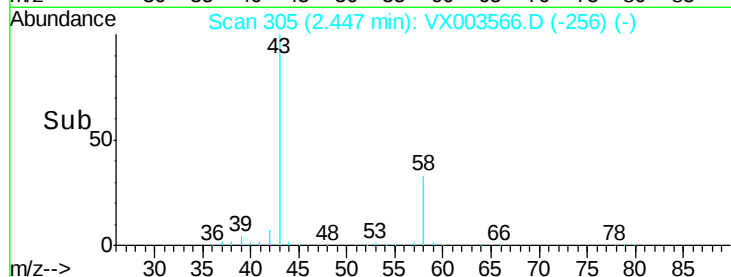
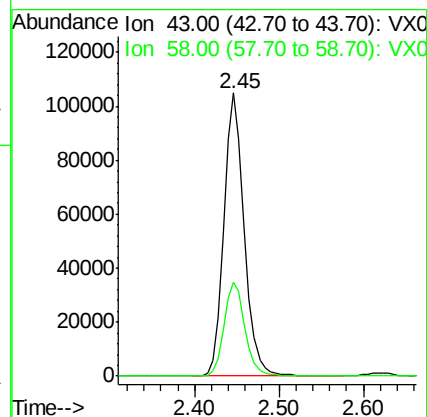
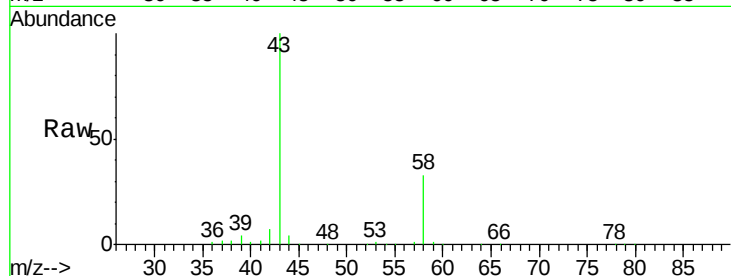
LF1-0031

Tot Ion: 43 Resp: 173925

Ion Ratio Lower Upper

43 100

58 33.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Tgt Ion: 84 Resp: 439

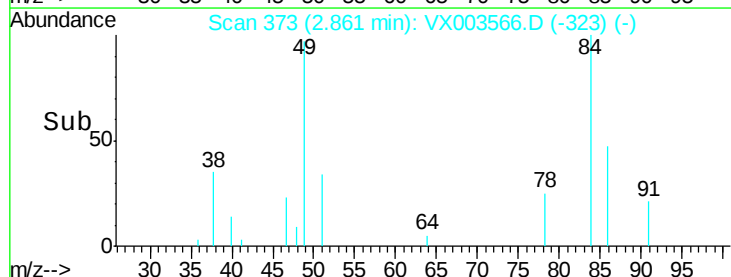
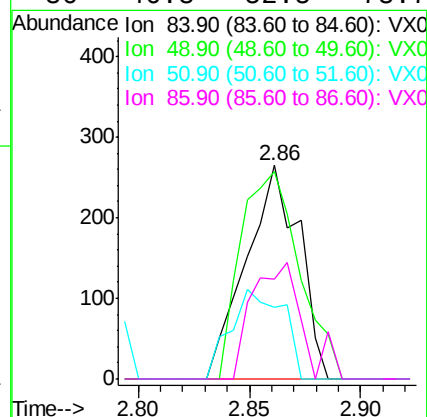
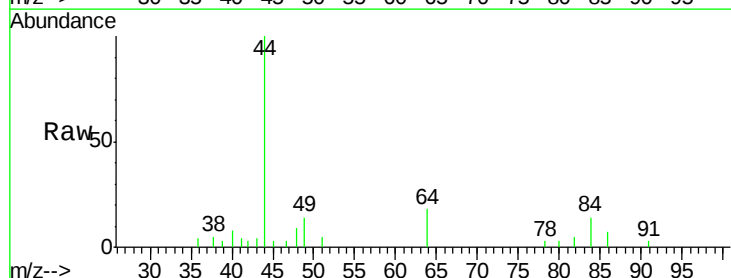
Ion Ratio Lower Upper

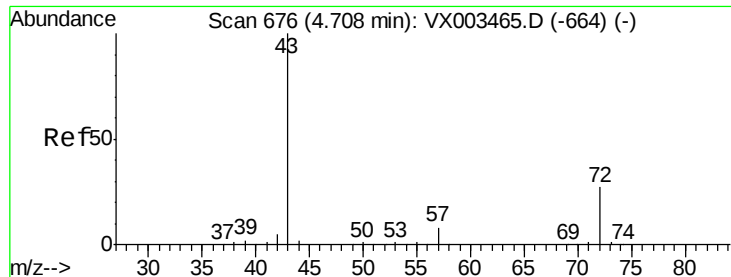
84 100

49 97.4 107.8 161.6#

51 33.6 32.8 49.2

86 46.8 52.5 78.7#





#25

2-Butanone

Concen: 0.61 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampled :

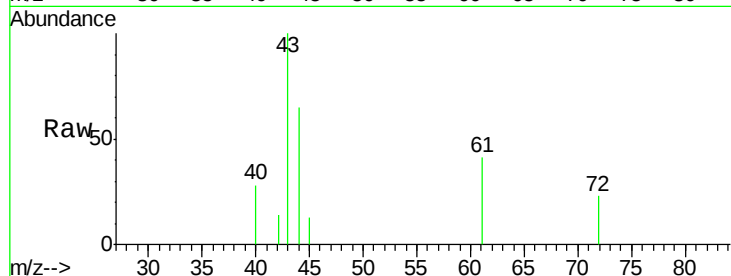
LF1-0031

Tot Ion: 43 Resp: 1247

Ion Ratio Lower Upper

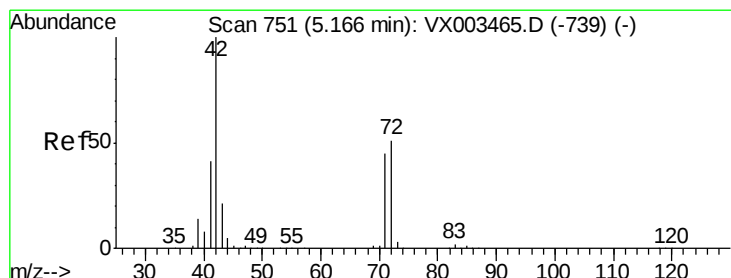
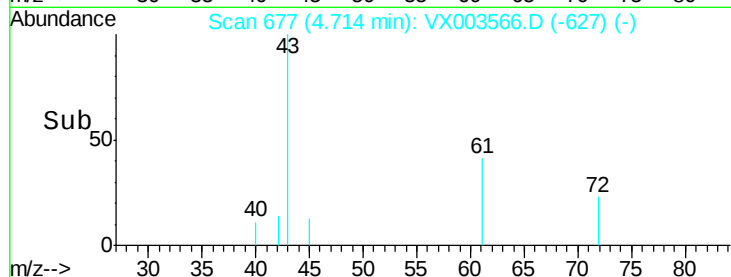
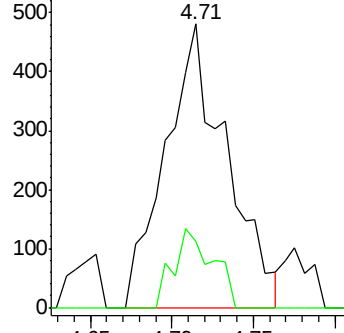
43 100

72 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

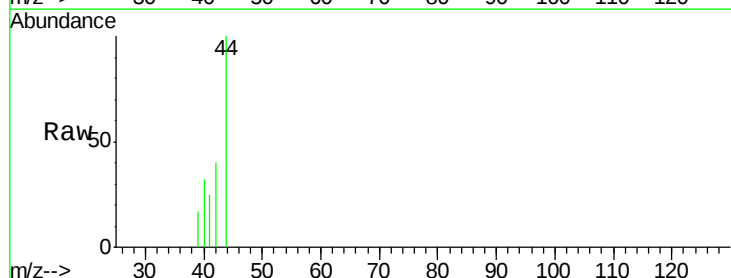
Tgt Ion: 42 Resp: 314

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

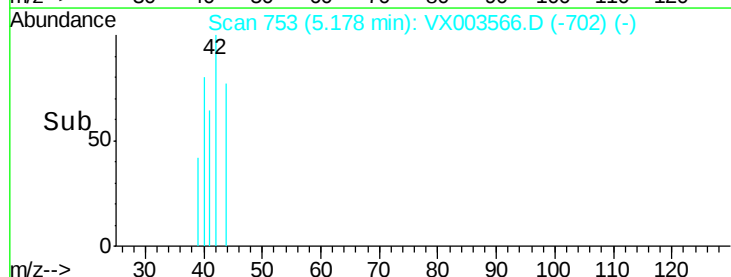
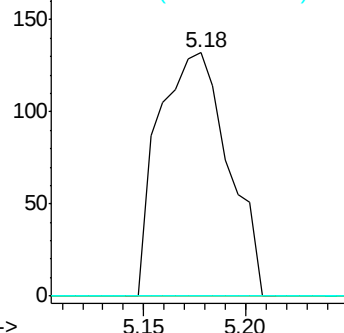
71 0.0 30.1 45.1#

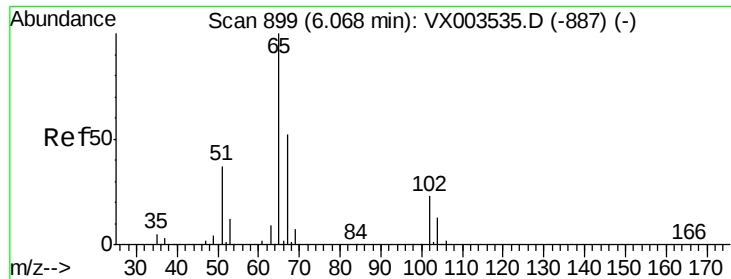


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 54.92 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

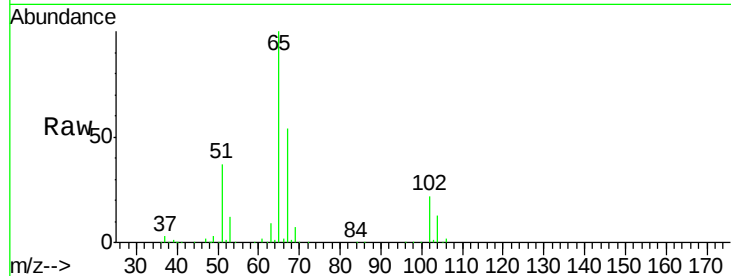
LF1-0031

Tot Ion: 65 Resp: 177803

Ion Ratio Lower Upper

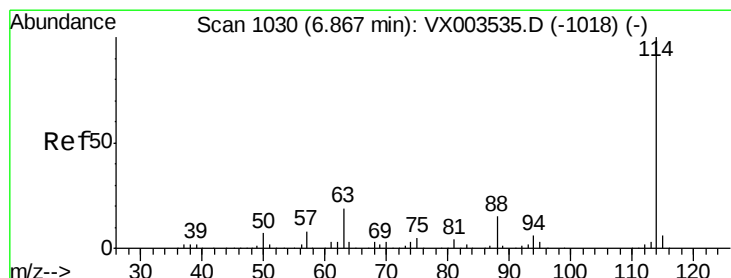
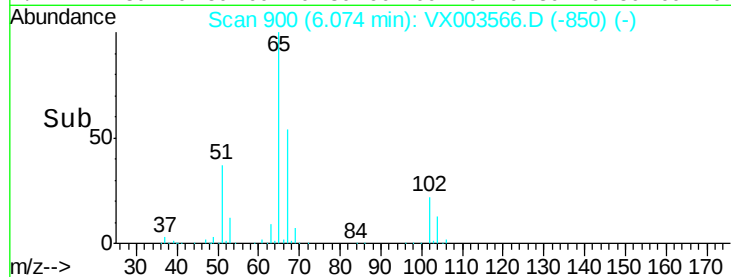
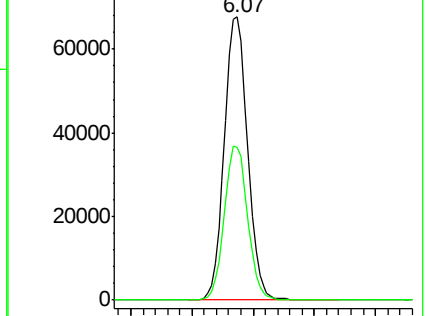
65 100

67 54.4 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: VX003566.D

Acq: 21 Jul 2018 20:12

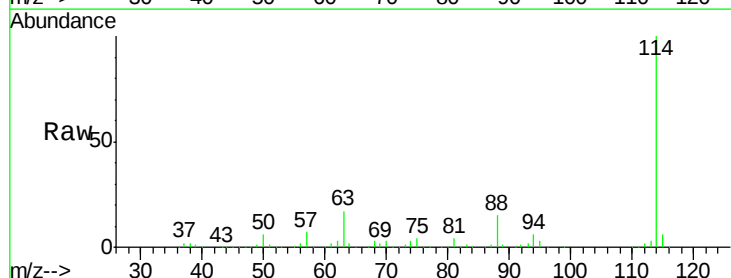
Tgt Ion: 114 Resp: 424733

Ion Ratio Lower Upper

114 100

63 17.0 0.0 41.4

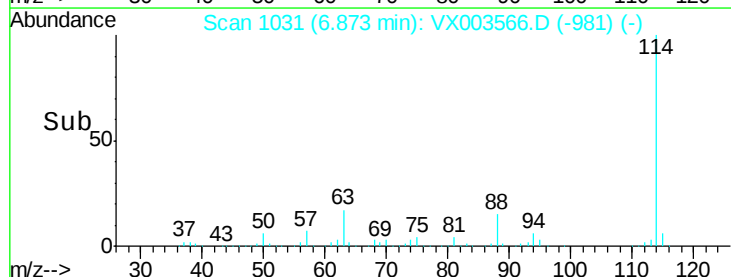
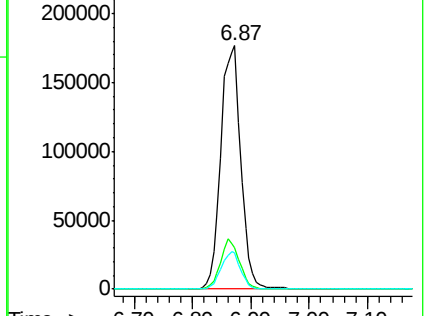
88 15.1 0.0 30.0

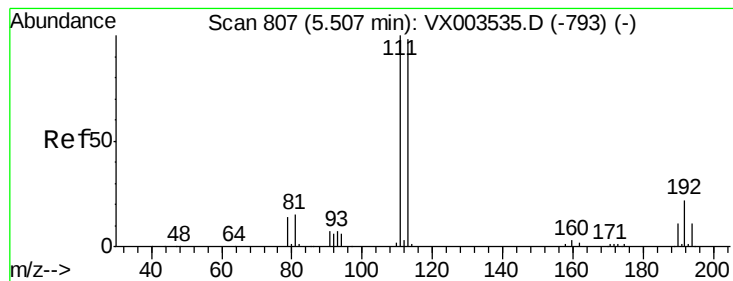


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.33 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

LF1-0031

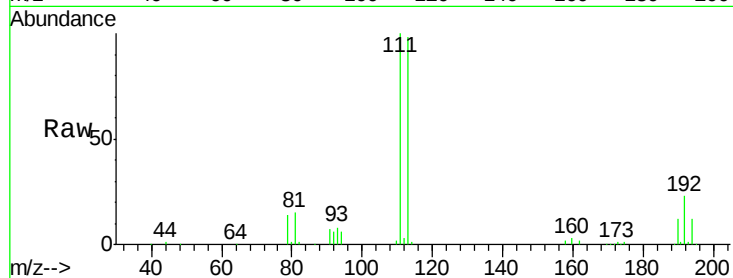
Tot Ion:113 Resp: 156359

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

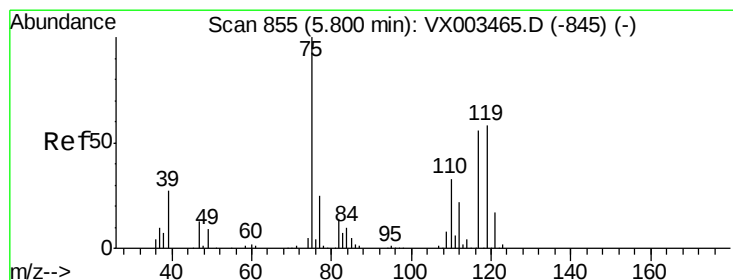
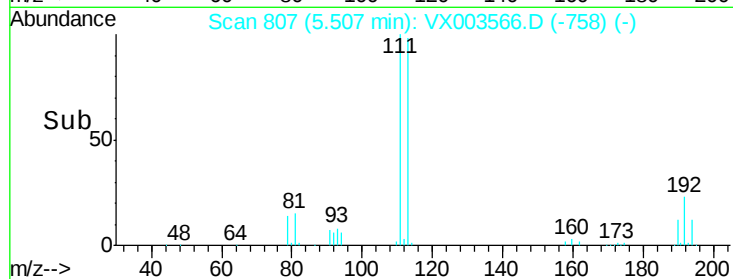
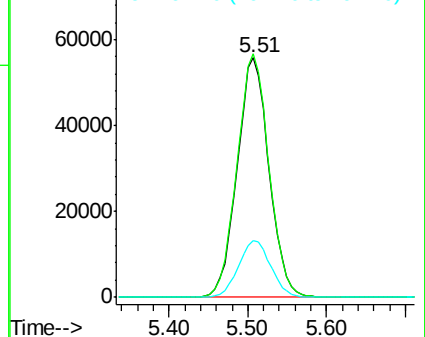
192 24.1 19.1 28.7



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: 3.75 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

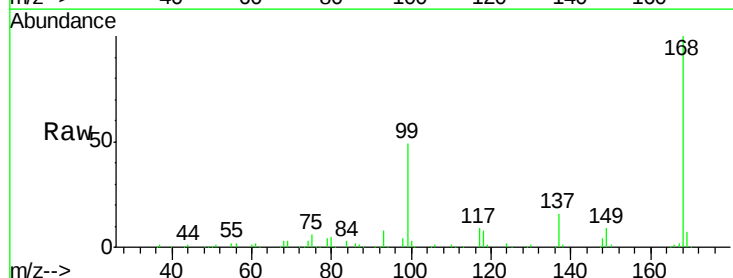
Tgt Ion: 75 Resp: 17204

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

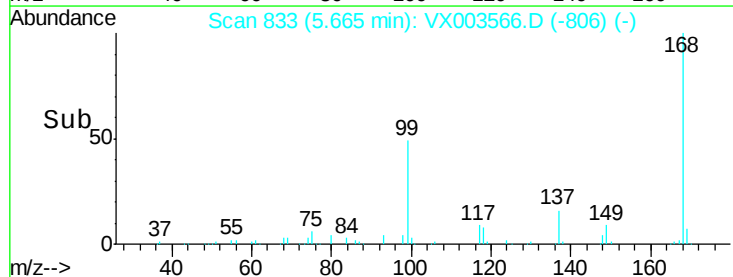
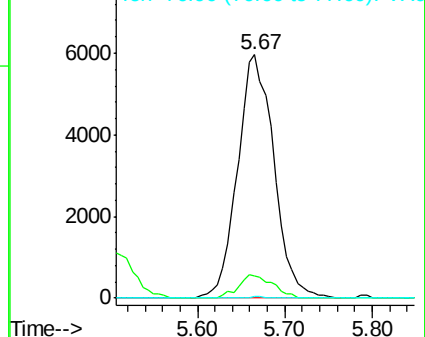
77 0.2 24.3 36.5#

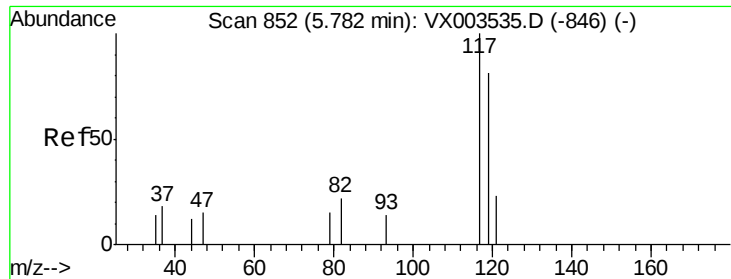


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

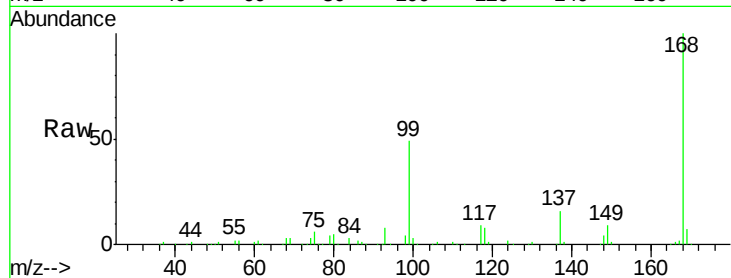




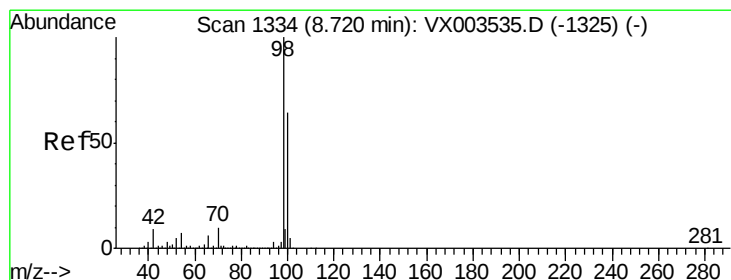
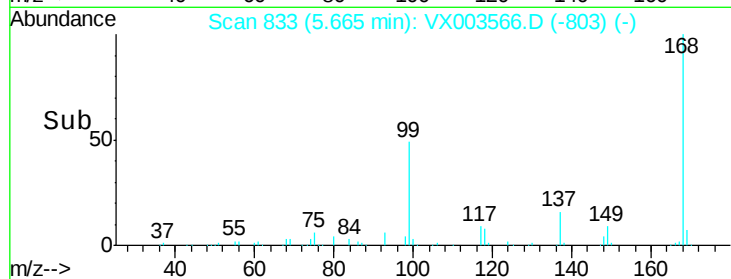
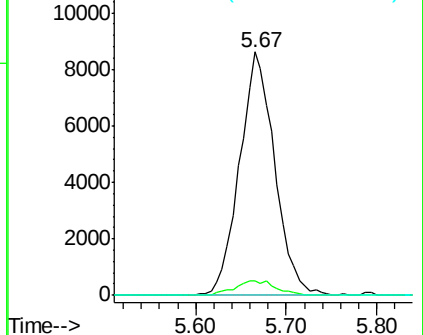
#38
Carbon Tetrachloride
Concen: 5.14 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

Instrument :
MSVOA_X
ClientSampleId :
LF1-0031

Tot Ion:117 Resp: 23125
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 24.4 36.6#

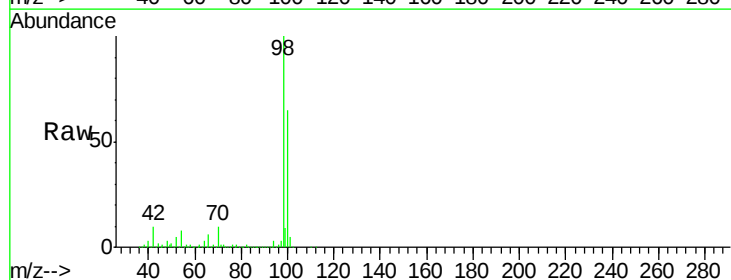


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

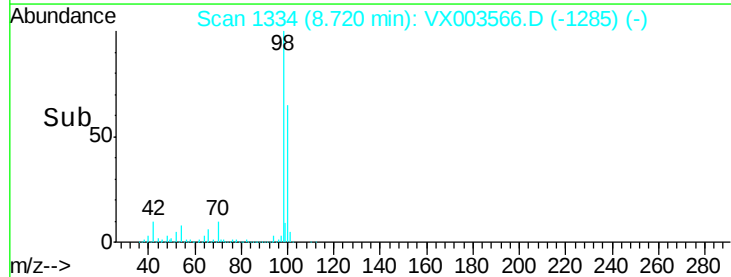
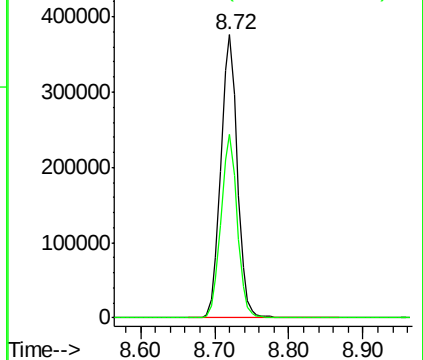


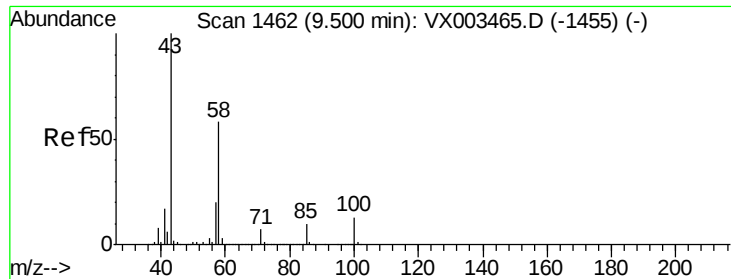
#50
Toluene-d8
Concen: 47.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

Tgt Ion: 98 Resp: 581056
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

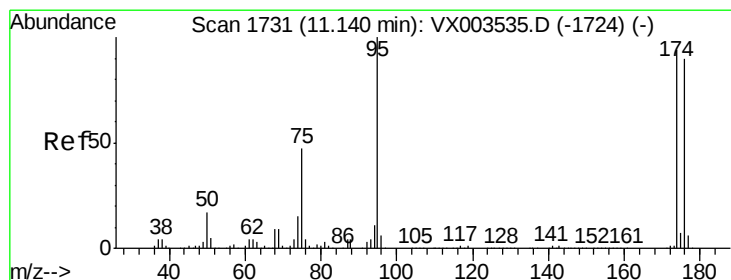
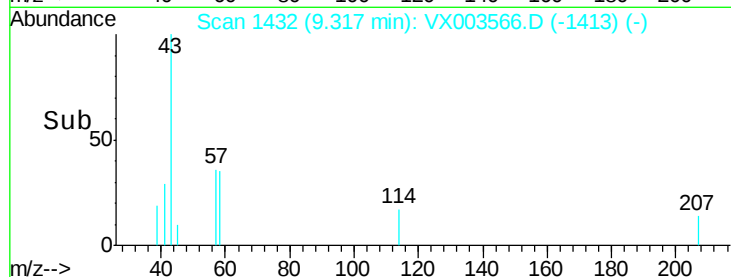
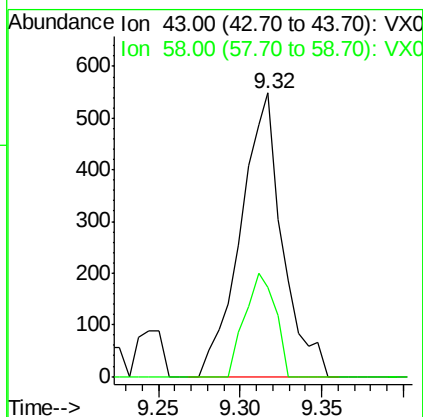
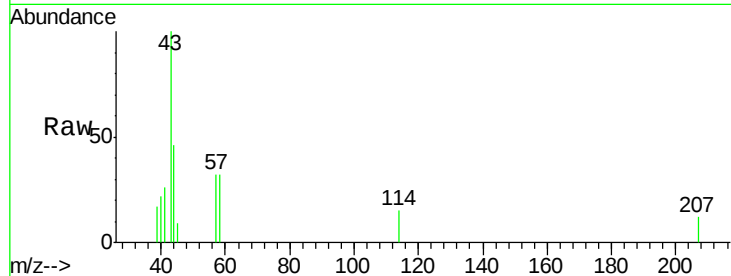




#59
2-Hexanone
Concen: 0.30 ug/l
RT: 9.32 min Scan# 1432
Delta R.T. -0.18 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

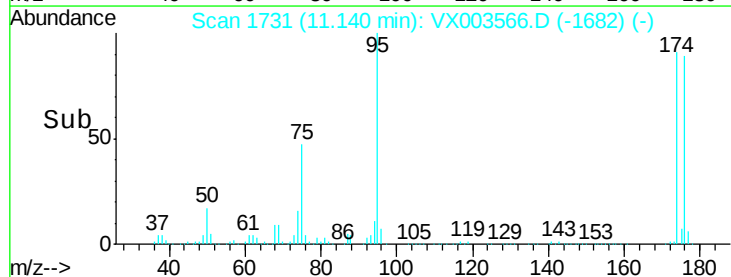
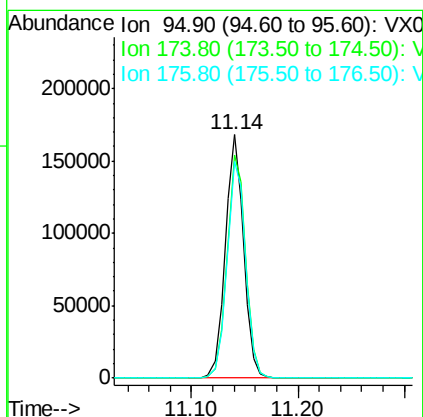
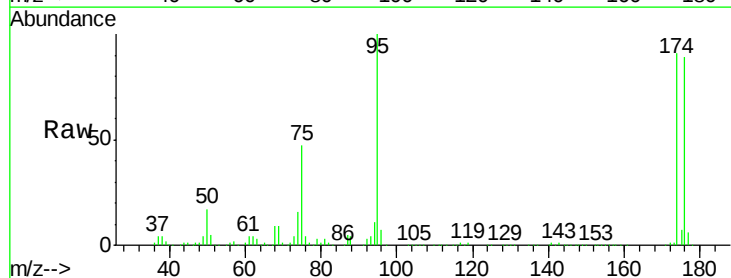
Instrument :
MSVOA_X
ClientSampleId :
LF1-0031

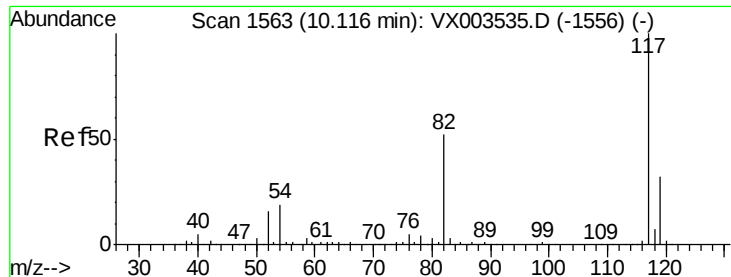
Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 26.6 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 45.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

Tgt Ion: 95 Resp: 201205
Ion Ratio Lower Upper
95 100
174 94.2 0.0 187.4
176 91.1 0.0 181.0

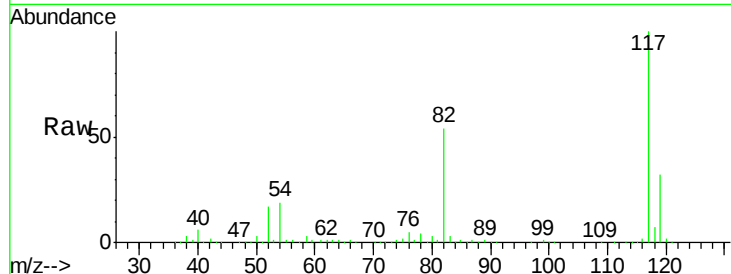




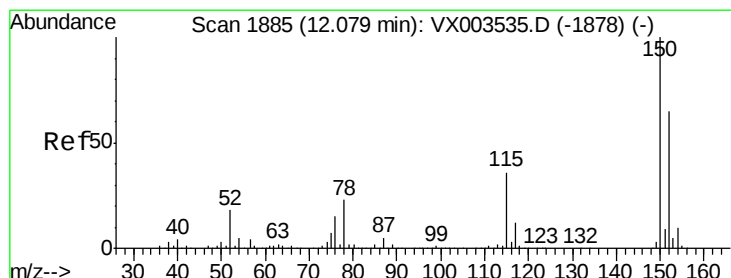
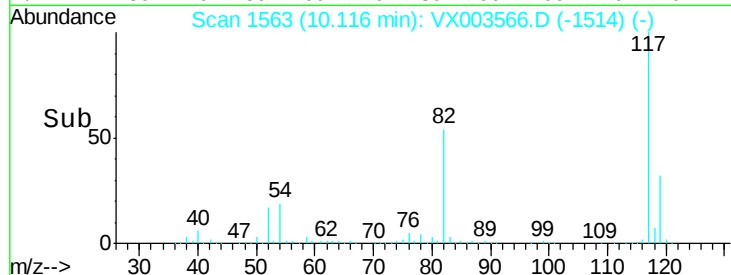
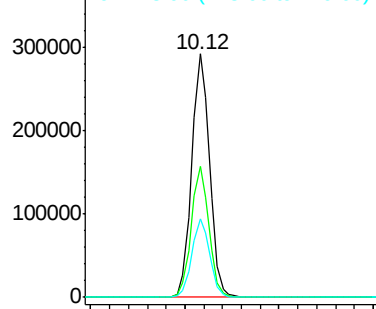
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

Instrument :
MSVOA_X
ClientSampleId :
LF1-0031

Tot Ion:117 Resp: 384194
Ion Ratio Lower Upper
117 100
82 53.6 45.0 67.4
119 32.4 25.8 38.6

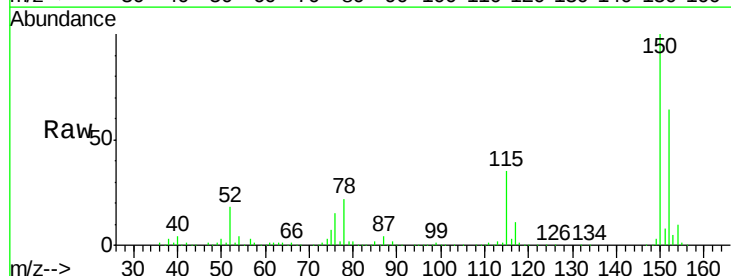


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

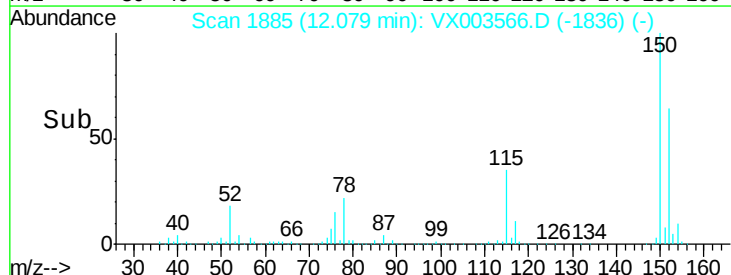
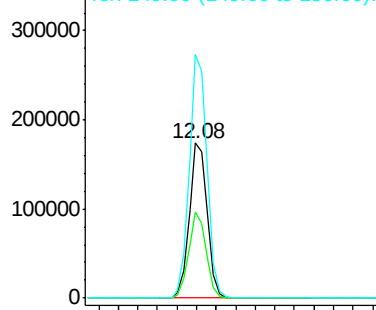


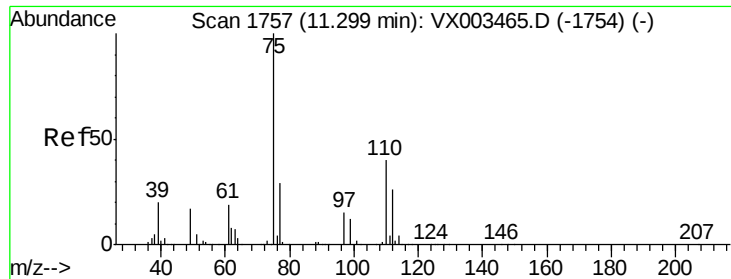
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003566.D
Acq: 21 Jul 2018 20:12

Tgt Ion:152 Resp: 218130
Ion Ratio Lower Upper
152 100
115 54.1 40.1 120.2
150 156.1 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: 24.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampled :

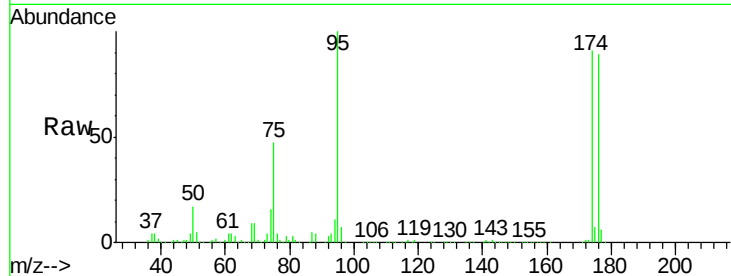
LF1-0031

Tot Ion: 75 Resp: 96611

Ion Ratio Lower Upper

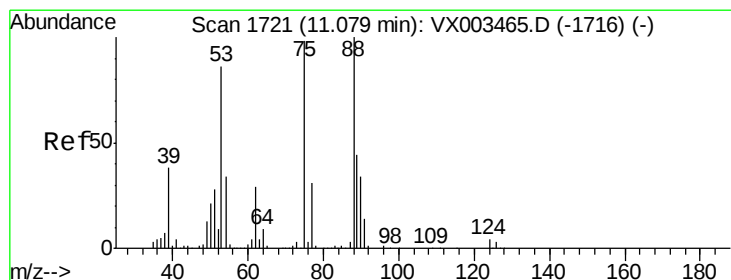
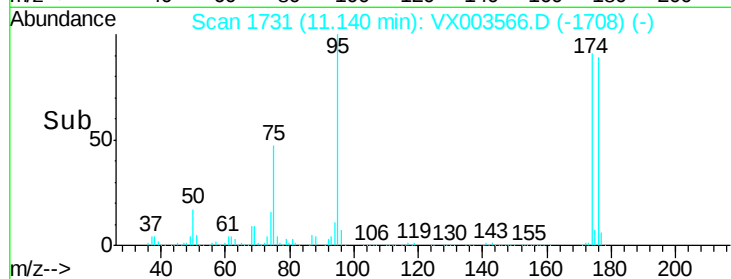
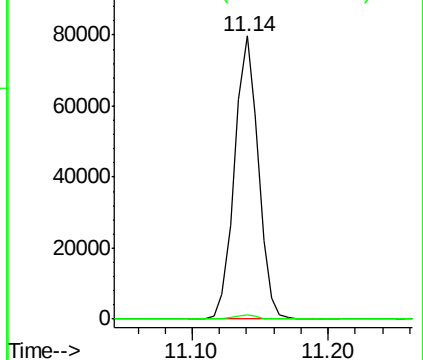
75 100

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: 69.07 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

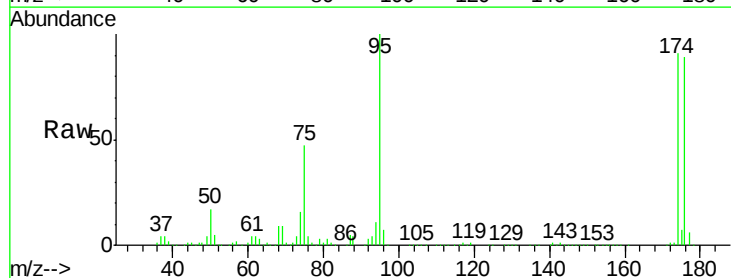
Tgt Ion: 75 Resp: 96611

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

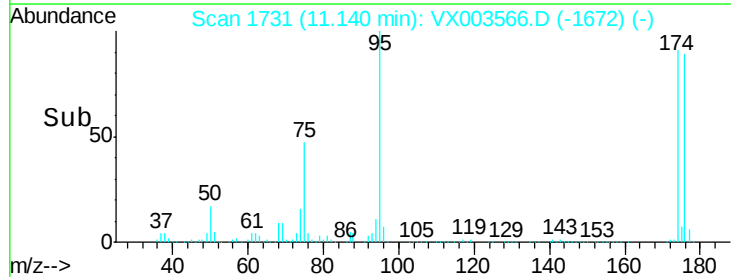
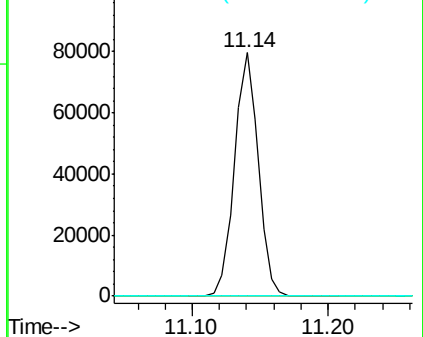
89 0.0 38.2 57.2#

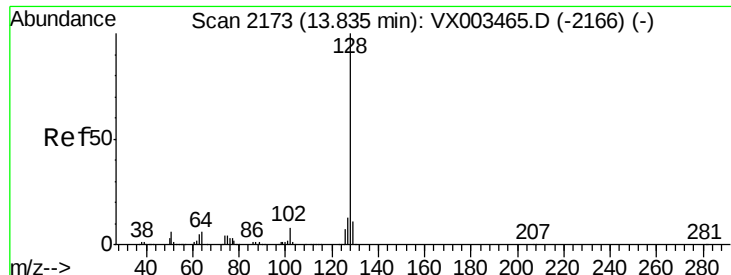


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.22 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003566.D

Acq: 21 Jul 2018 20:12

Instrument :

MSVOA_X

ClientSampleId :

LF1-0031

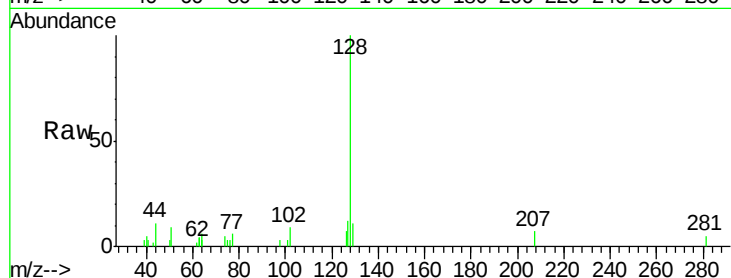
Tot Ion:128 Resp: 3357

Ion Ratio Lower Upper

128 100

127 11.7 10.4 15.6

129 10.8 8.6 13.0



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

