

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003564.D
 Acq On : 21 Jul 2018 19:19
 Operator : JC/SP
 Sample : J3965-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0028

Quant Time: Jul 23 01:40:30 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	272178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409155	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209499	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	162983	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	5.51	113	152916	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	8.72	98	566466	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.14	95	194291	45.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.90%	

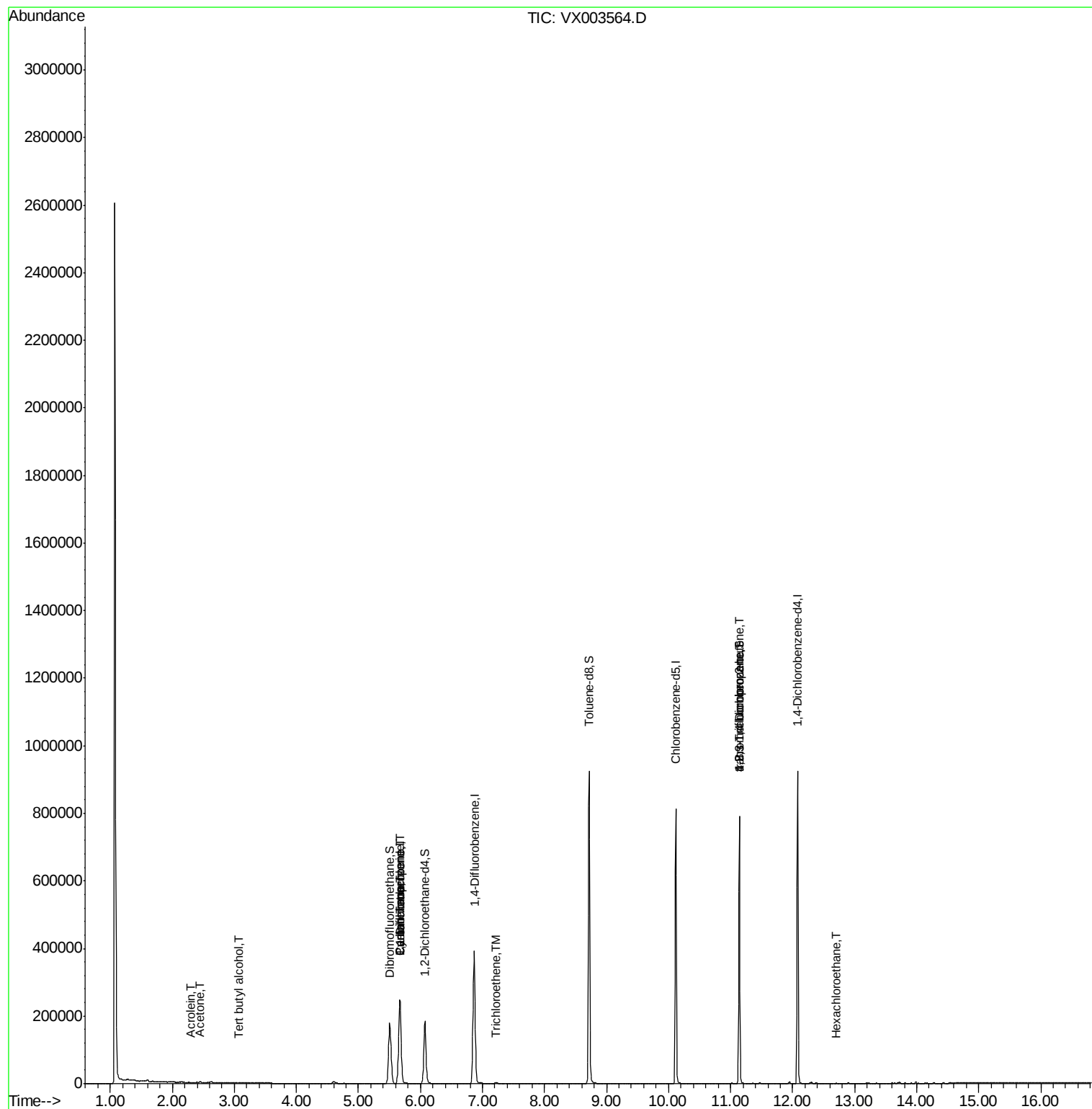
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	188	Below Cal	#	43
3) Chloromethane	1.32	50	668	Below Cal		96
5) Bromomethane	1.61	94	91	Below Cal	#	3
11) Tert butyl alcohol	3.07	59	292	0.46	ug/l #	73
13) Acrolein	2.29	56	78	0.27	ug/l #	1
16) Acetone	2.45	43	2806	2.31	ug/l	90
20) Methylene Chloride	2.86	84	399	Below Cal	#	95
31) Cyclohexane	5.67	56	3873	0.80	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15962	3.61	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22406	5.17	ug/l #	16
44) Trichloroethene	7.23	130	1468	0.37	ug/l	84
76) 1,2,3-Trichloropropane	11.14	75	90086	23.94	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	90086	67.13	ug/l #	7
90) Hexachloroethane	12.71	117	476	0.26	ug/l #	1

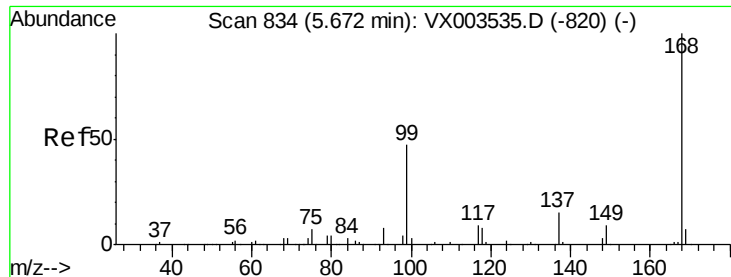
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

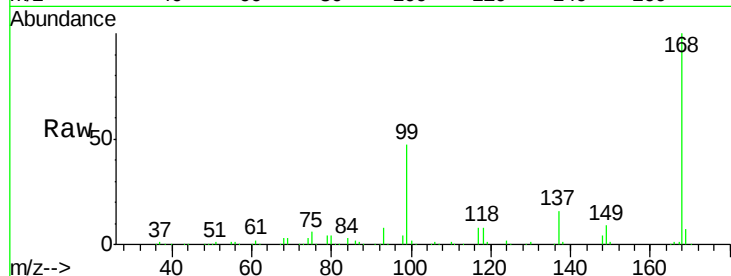
LF1-0028

Tot Ion:168 Resp: 272178

Ion Ratio Lower Upper

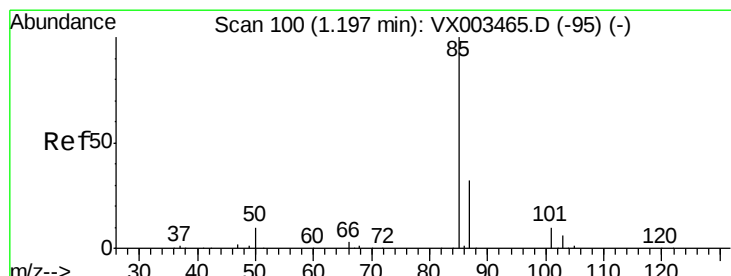
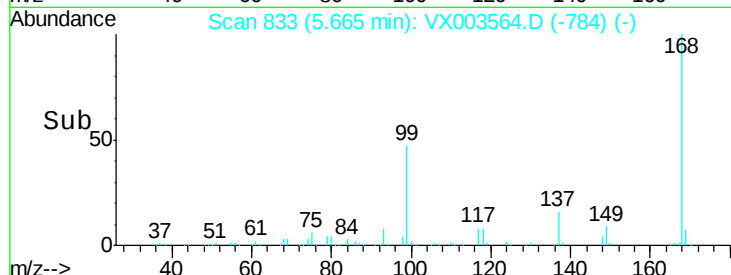
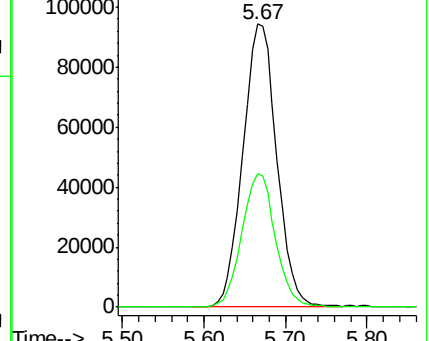
168 100

99 47.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003564.D

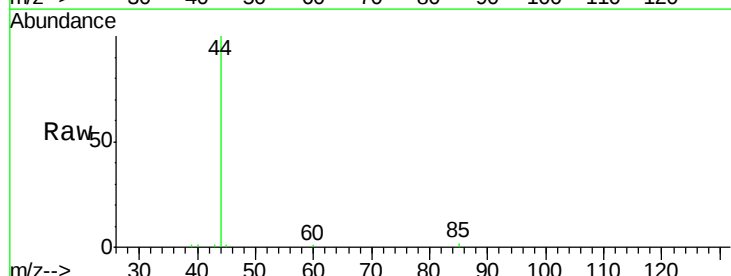
Acq: 21 Jul 2018 19:19

Tgt Ion: 85 Resp: 188

Ion Ratio Lower Upper

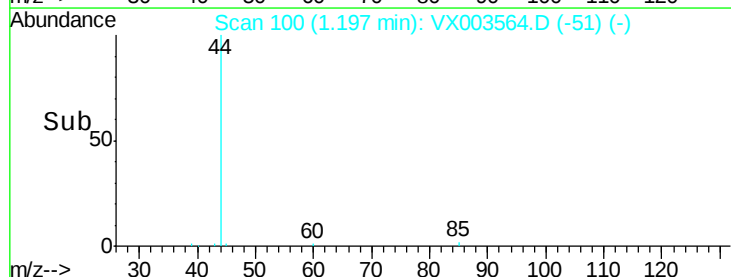
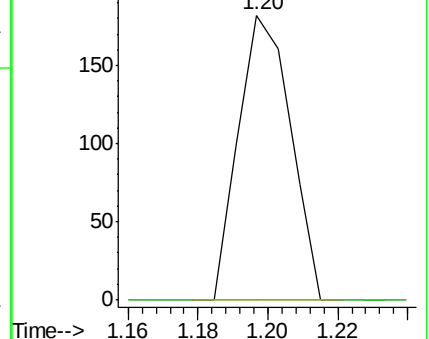
85 100

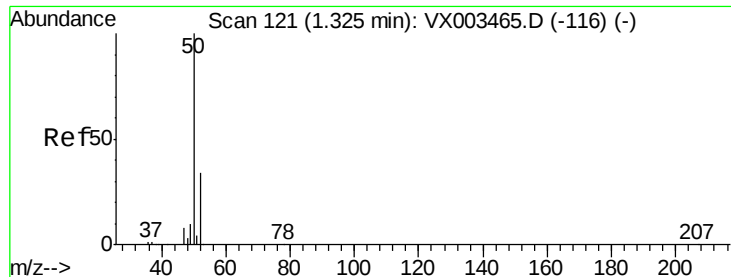
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

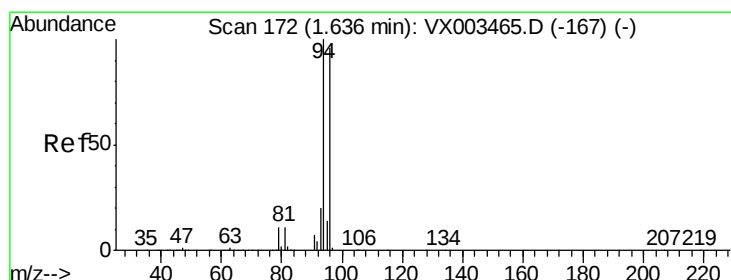
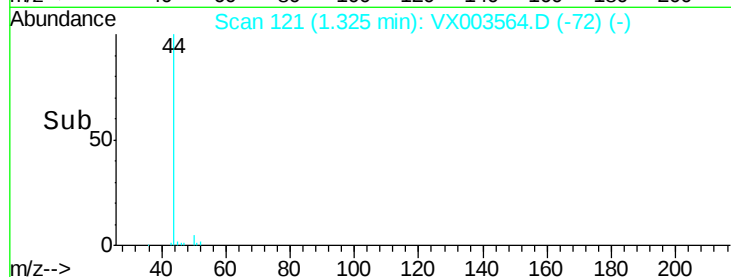
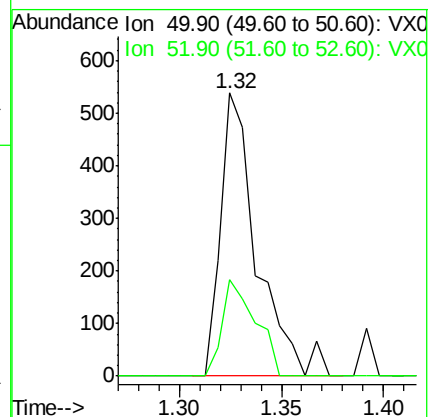
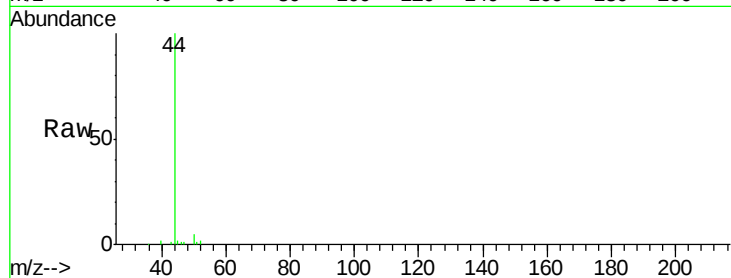
LF1-0028

Tot Ion: 50 Resp: 668

Ion Ratio Lower Upper

50 100

52 34.2 25.7 38.5



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 167

Delta R.T. -0.03 min

Lab File: VX003564.D

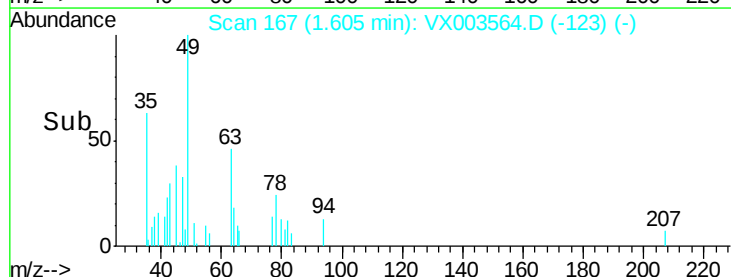
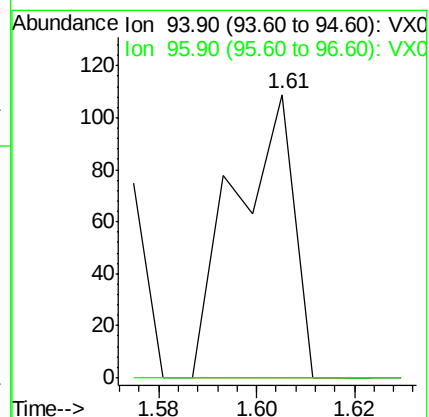
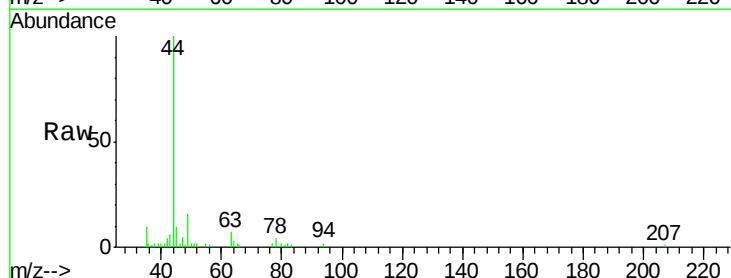
Acq: 21 Jul 2018 19:19

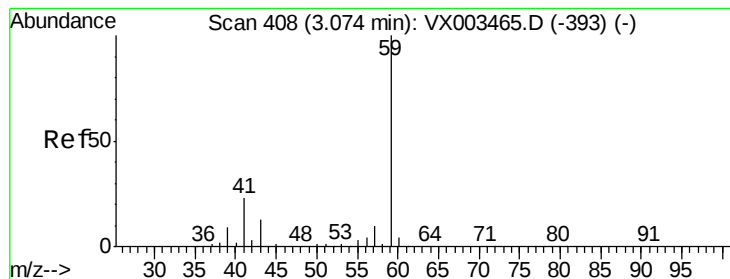
Tgt Ion: 94 Resp: 91

Ion Ratio Lower Upper

94 100

96 0.0 74.9 112.3#



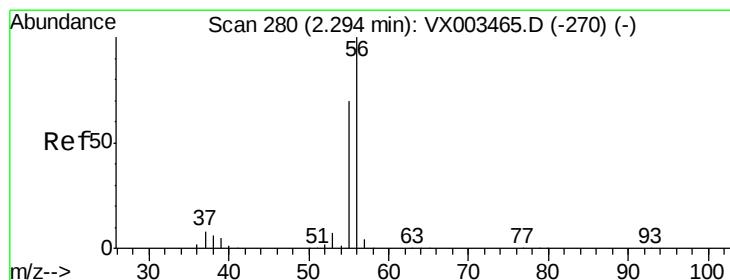
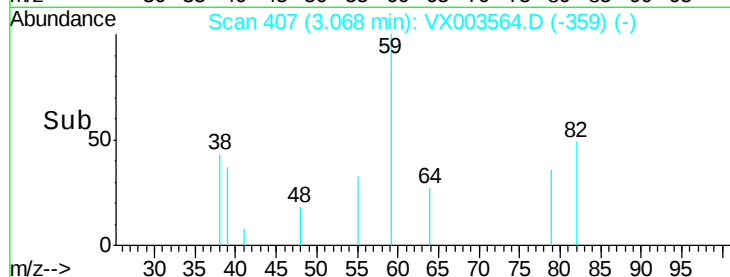
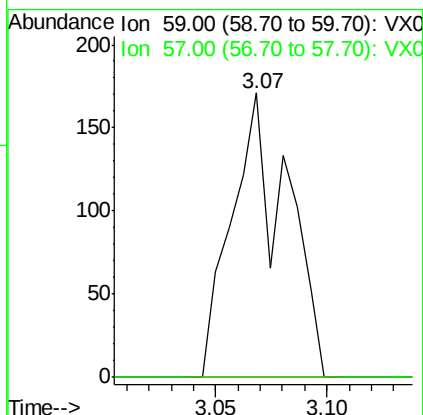
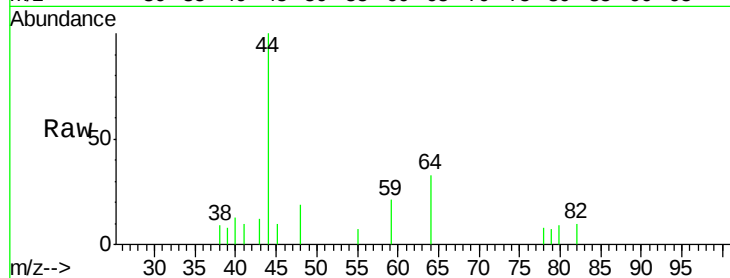


#11

Tert butyl alcohol
 Concen: 0.46 ug/l
 RT: 3.07 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: VX003564.D
 Acq: 21 Jul 2018 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0028

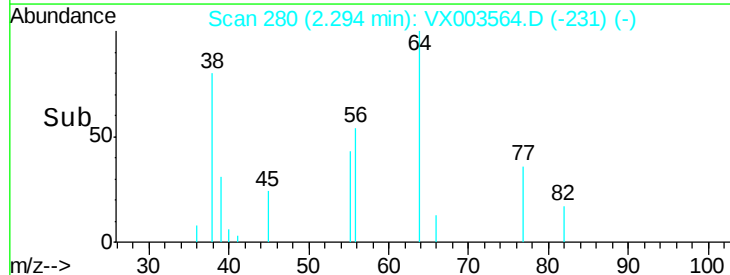
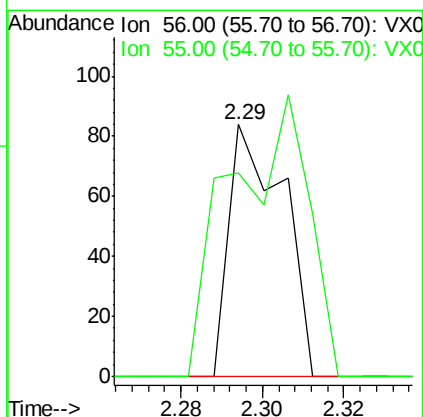
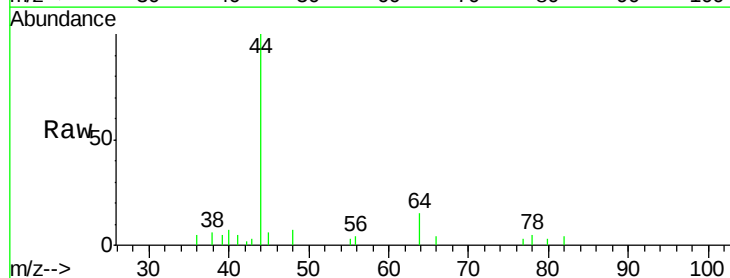
Tot Ion: 59 Resp: 292
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

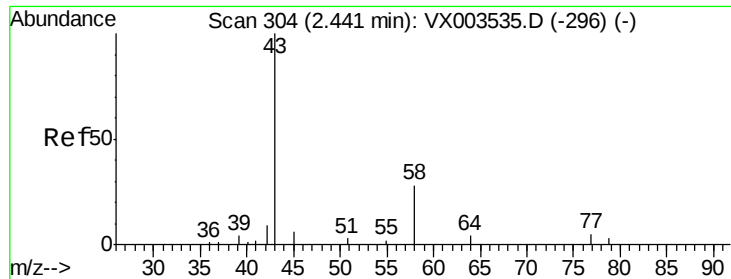


#13

Acrolein
 Concen: 0.27 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003564.D
 Acq: 21 Jul 2018 19:19

Tgt Ion: 56 Resp: 78
 Ion Ratio Lower Upper
 56 100
 55 159.0 57.0 85.4#





#16

Acetone

Concen: 2.31 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

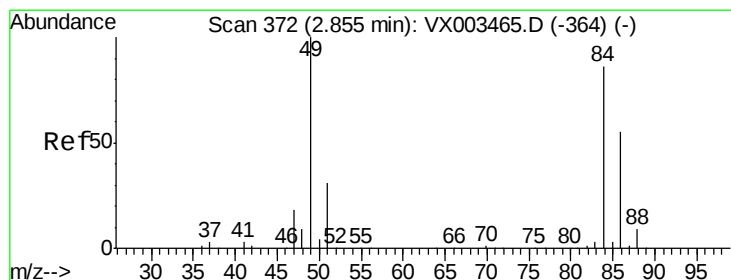
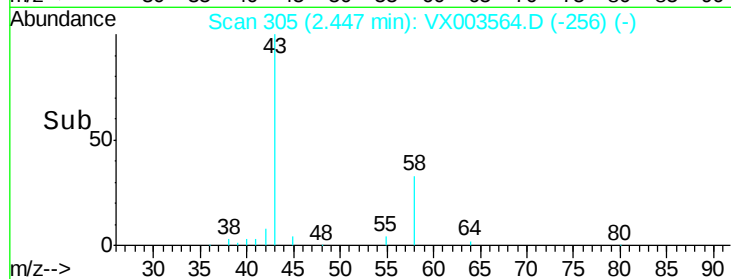
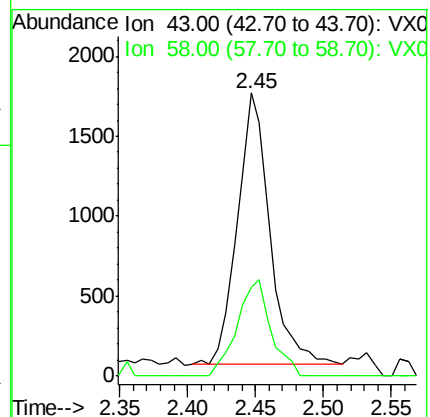
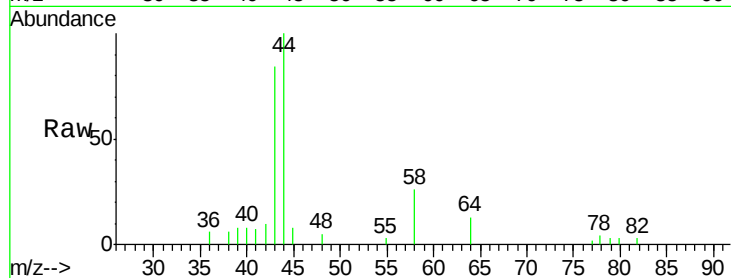
LF1-0028

Tot Ion: 43 Resp: 2806

Ion Ratio Lower Upper

43 100

58 32.7 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Tgt Ion: 84 Resp: 399

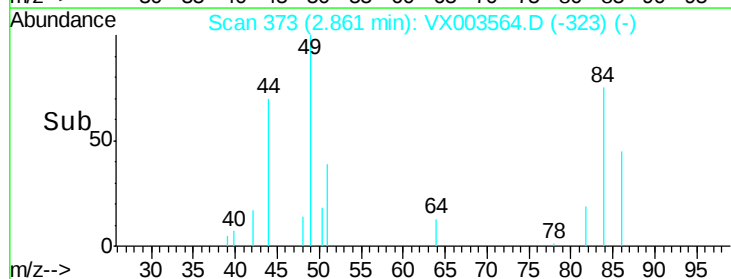
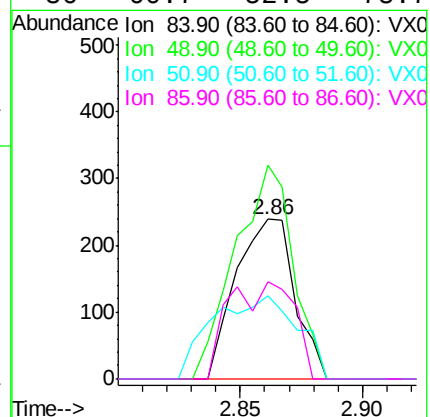
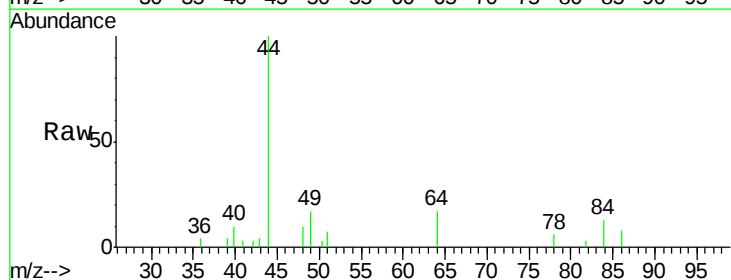
Ion Ratio Lower Upper

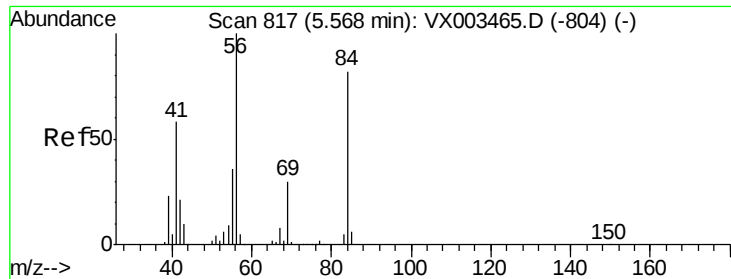
84 100

49 133.9 107.8 161.6

51 51.9 32.8 49.2#

86 60.7 52.5 78.7





#31

Cyclohexane

Concen: 0.80 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

LF1-0028

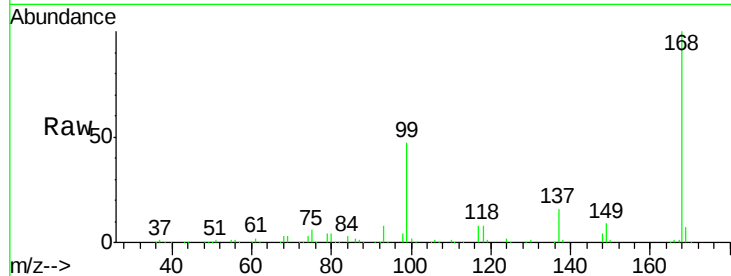
Tot Ion: 56 Resp: 3873

Ion Ratio Lower Upper

56 100

69 216.0 23.7 35.5#

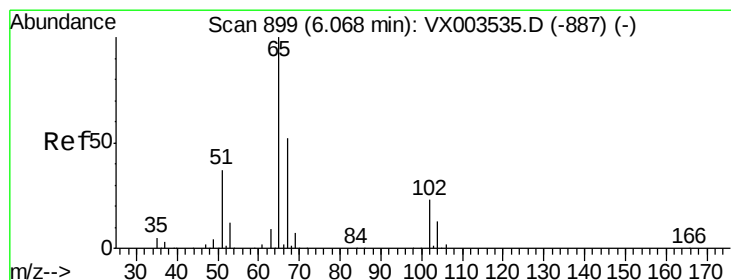
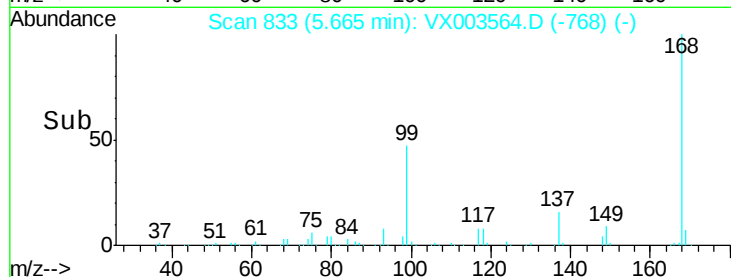
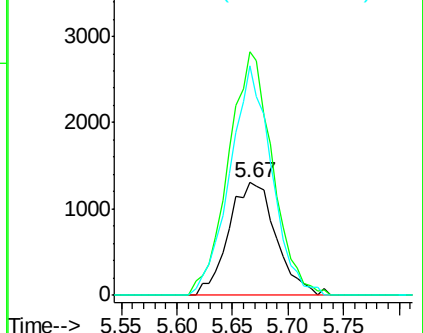
84 203.2 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.59 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003564.D

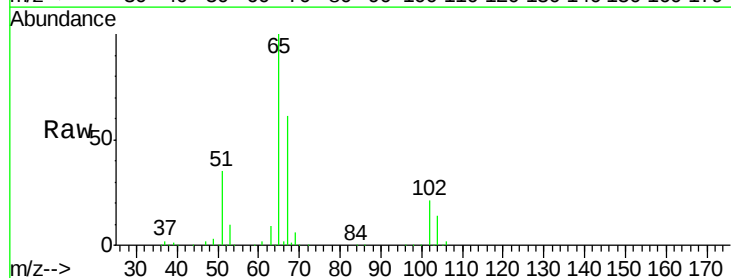
Acq: 21 Jul 2018 19:19

Tgt Ion: 65 Resp: 162983

Ion Ratio Lower Upper

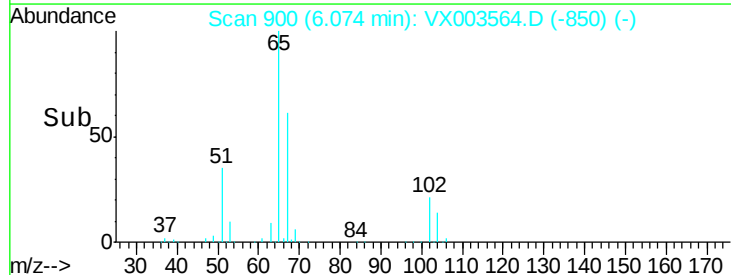
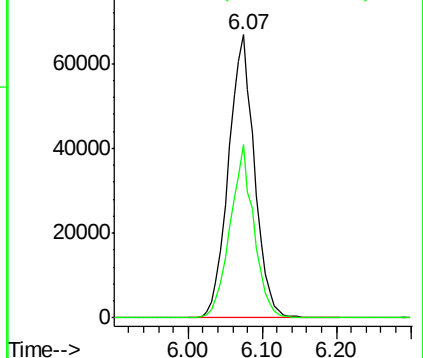
65 100

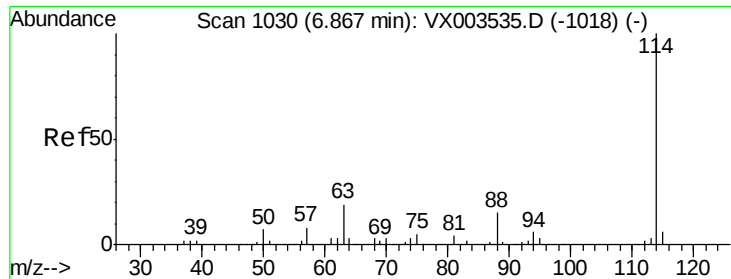
67 55.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

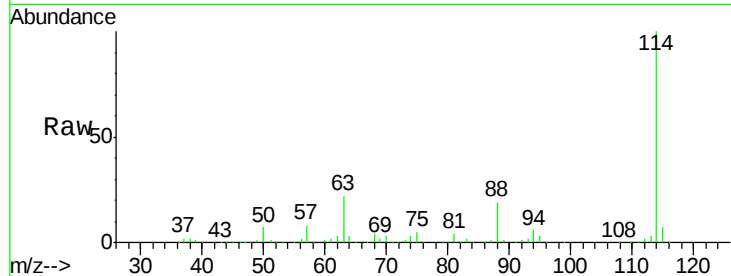




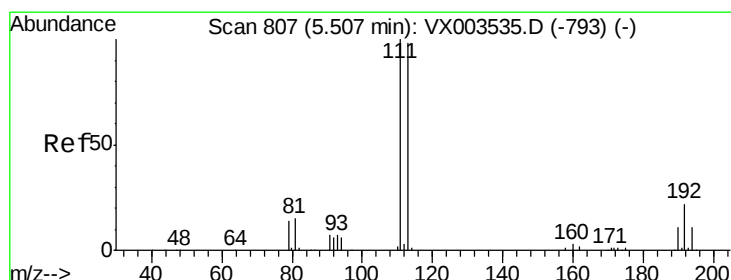
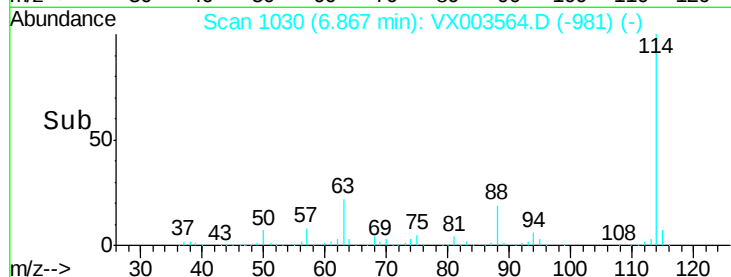
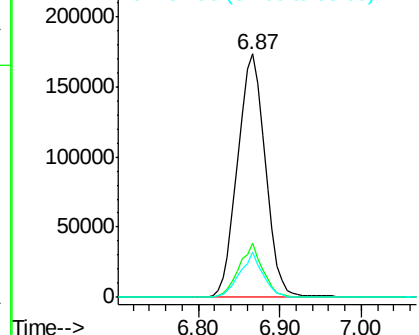
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003564.D
 Acq: 21 Jul 2018 19:19

Instrument :
 MSVOA_X
 ClientSampleId :
 LF1-0028

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.4
88	18.5	0.0	30.0

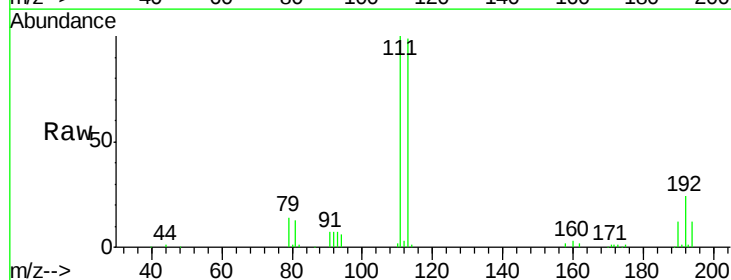


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

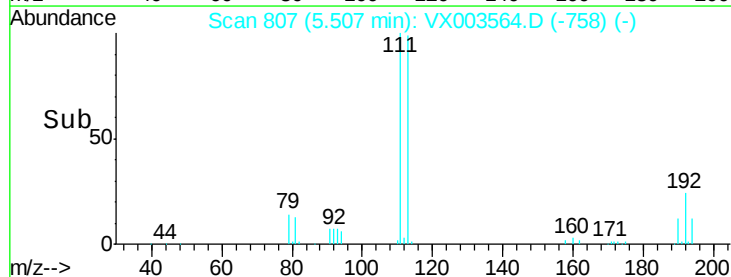
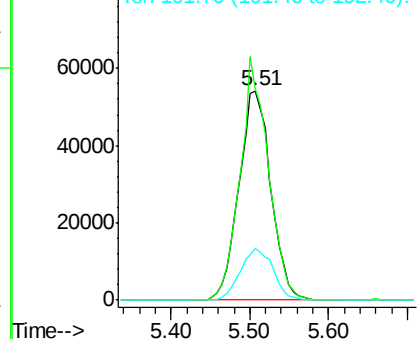


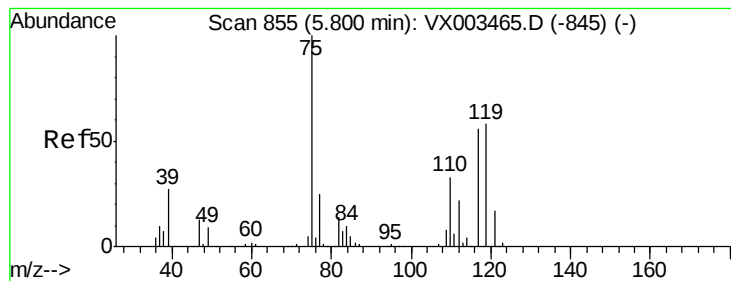
#35
 Dibromofluoromethane
 Concen: 49.07 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003564.D
 Acq: 21 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	25.1	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: 3.61 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampled :

LF1-0028

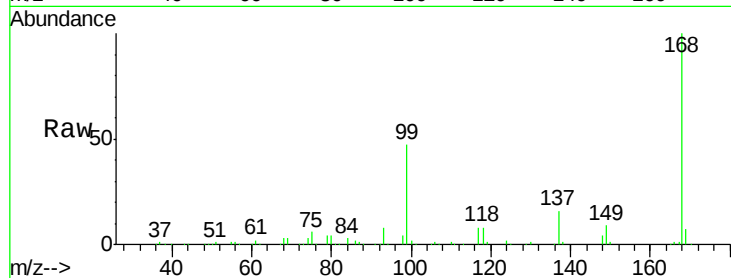
Tot Ion: 75 Resp: 15962

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

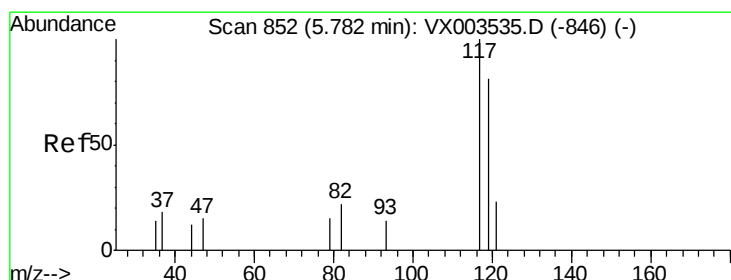
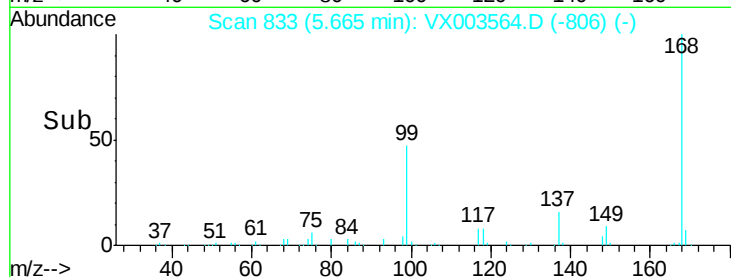
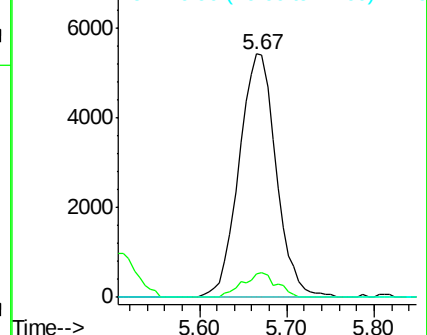
77 0.0 24.3 36.5#



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: 5.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

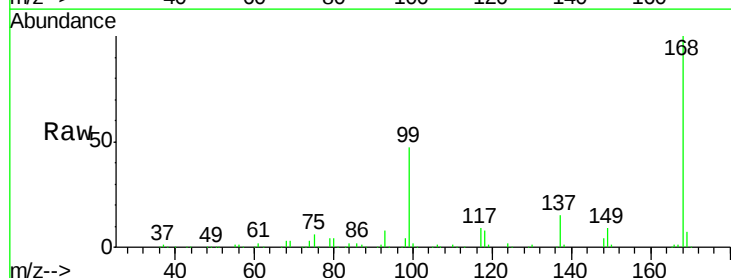
Tgt Ion: 117 Resp: 22406

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

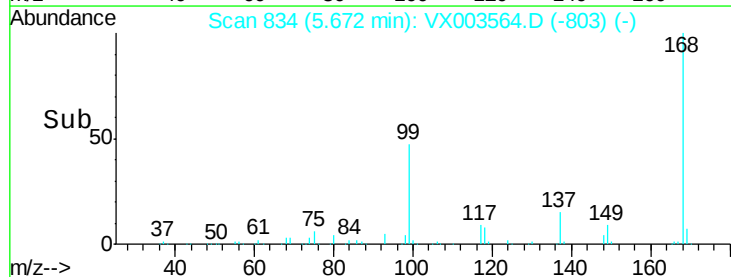
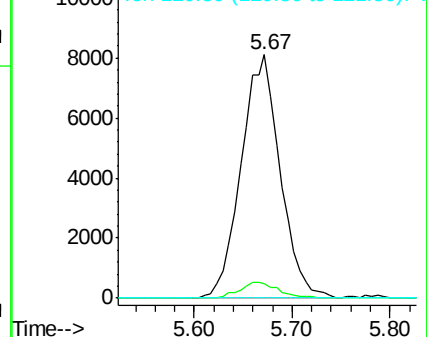
121 0.0 24.4 36.6#

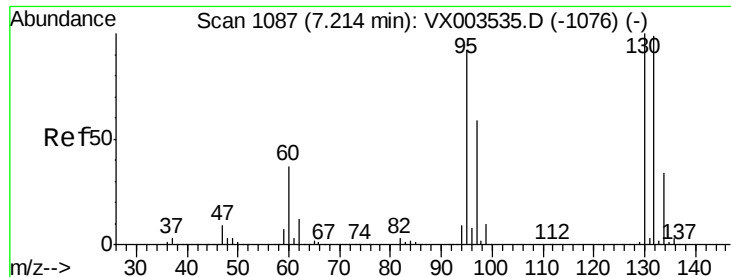


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.37 ug/l

RT: 7.23 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

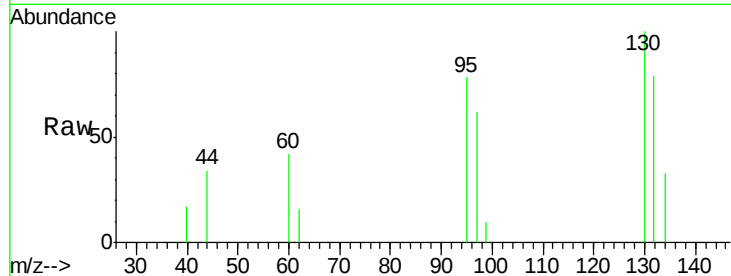
LF1-0028

Tot Ion:130 Resp: 1468

Ion Ratio Lower Upper

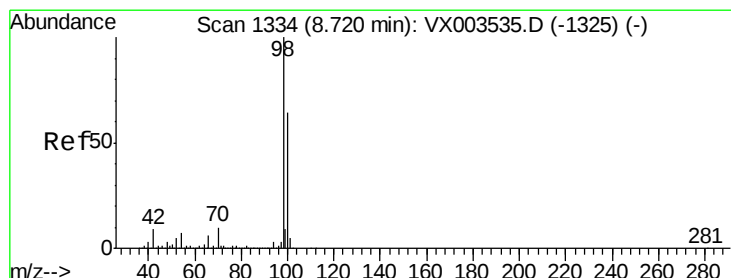
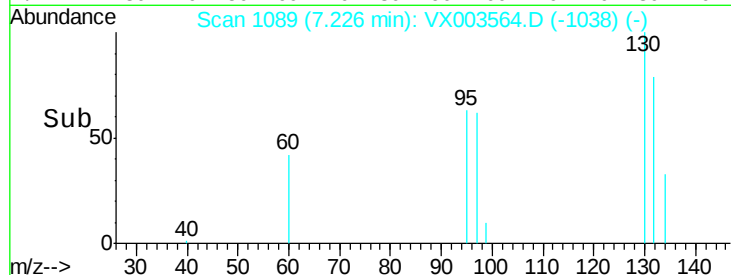
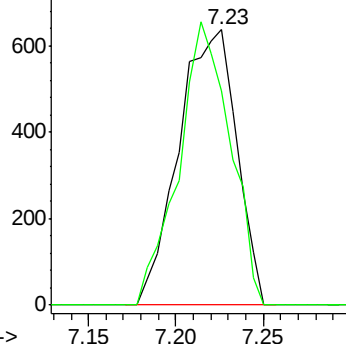
130 100

95 77.7 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: 48.36 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003564.D

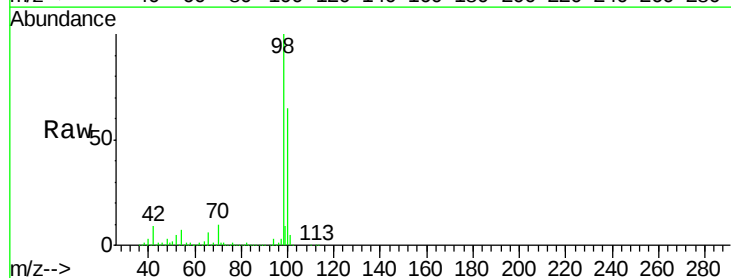
Acq: 21 Jul 2018 19:19

Tgt Ion: 98 Resp: 566466

Ion Ratio Lower Upper

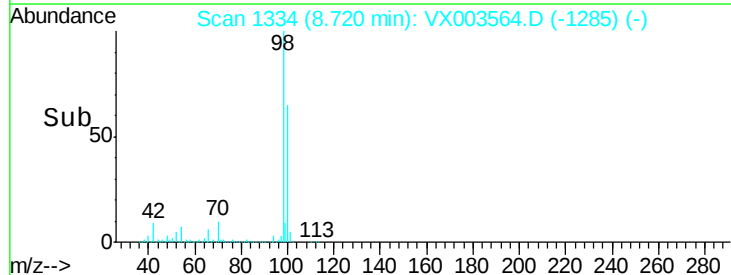
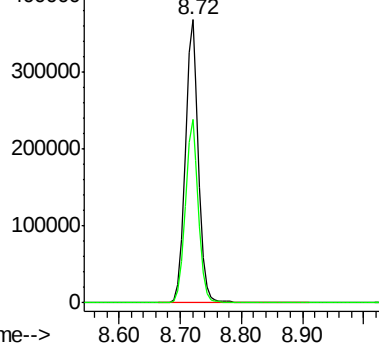
98 100

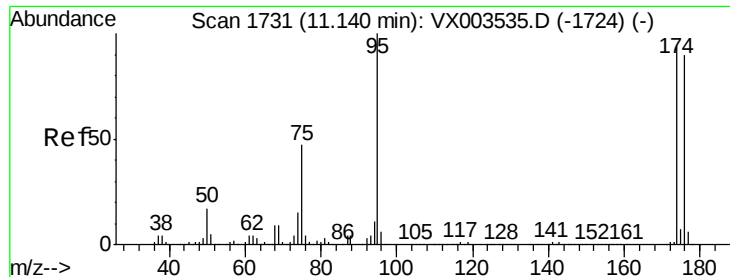
100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

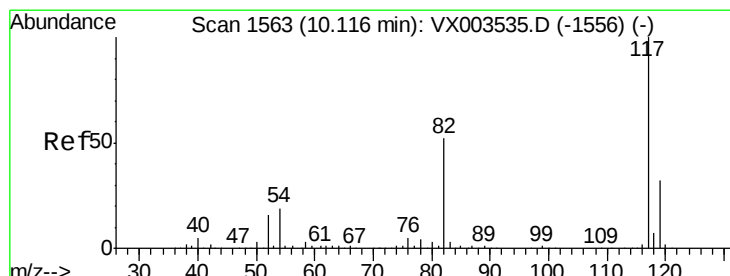
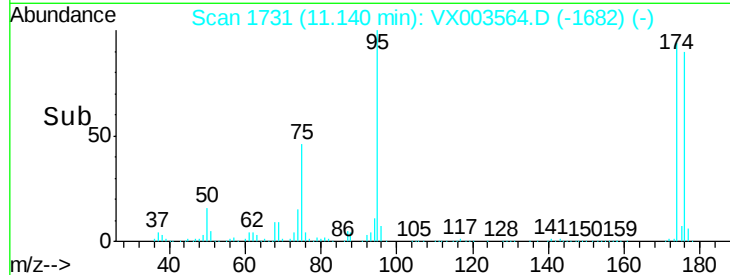
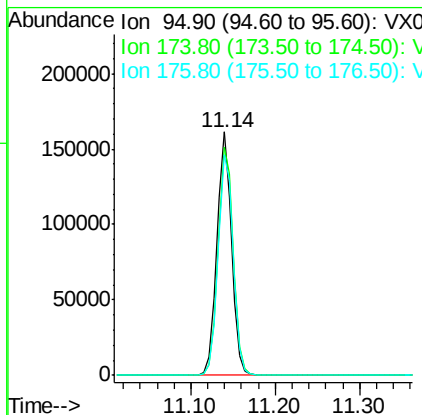
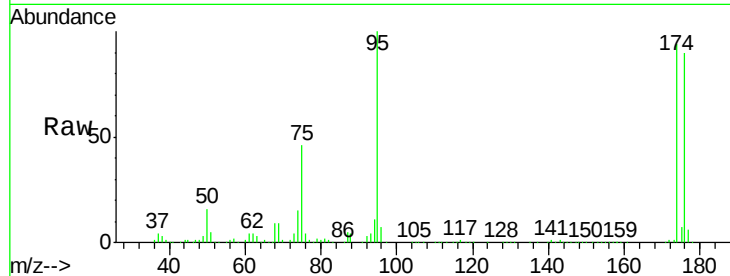




#62
4-Bromofluorobenzene
Concen: 45.45 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003564.D
Acq: 21 Jul 2018 19:19

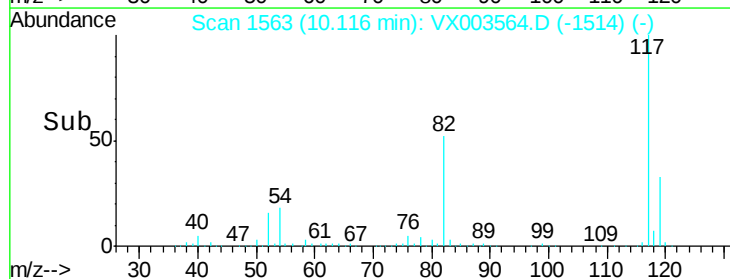
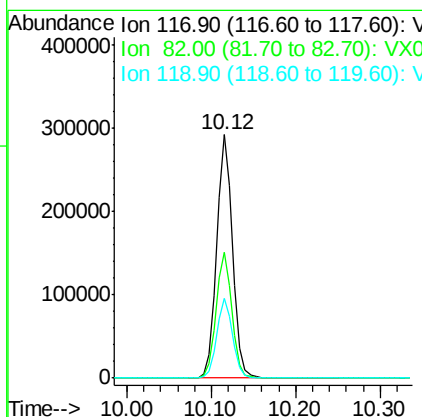
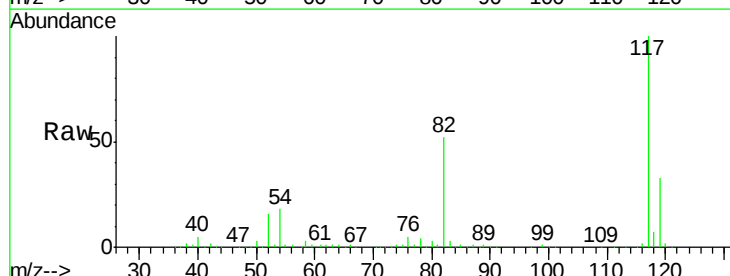
Instrument :
MSVOA_X
ClientSampleId :
LF1-0028

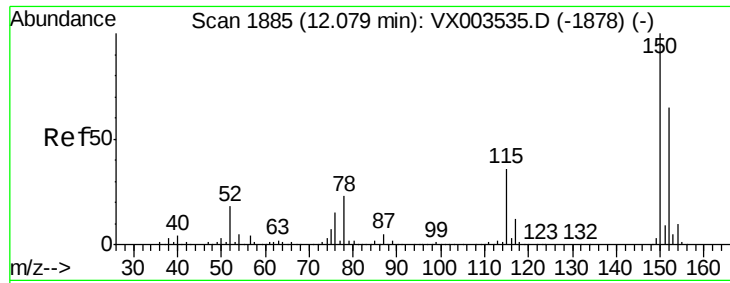
Tot Ion: 95 Resp: 194291
Ion Ratio Lower Upper
95 100
174 97.6 0.0 187.4
176 94.0 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003564.D
Acq: 21 Jul 2018 19:19

Tgt Ion: 117 Resp: 380698
Ion Ratio Lower Upper
117 100
82 51.8 45.0 67.4
119 32.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003564.D

Acq: 21 Jul 2018 19:19

Instrument :

MSVOA_X

ClientSampleId :

LF1-0028

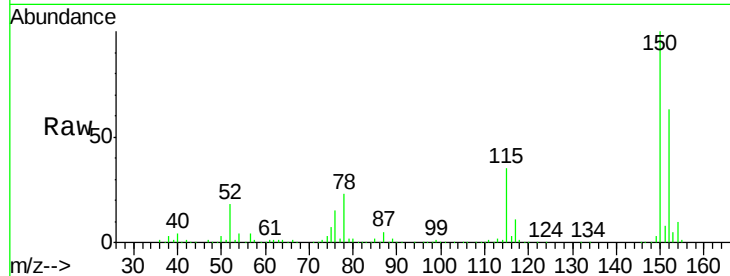
Tot Ion:152 Resp: 209499

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

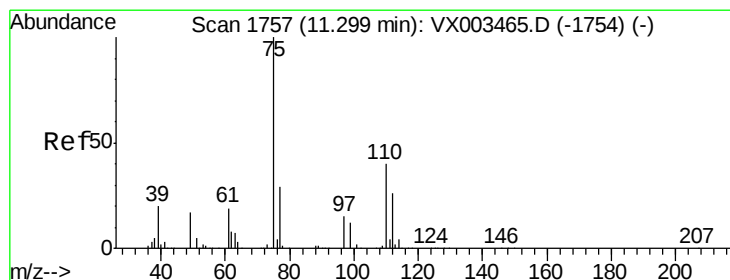
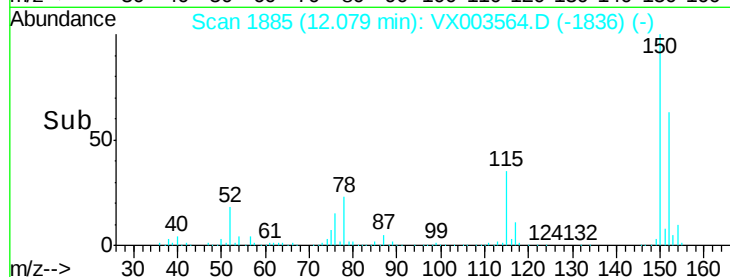
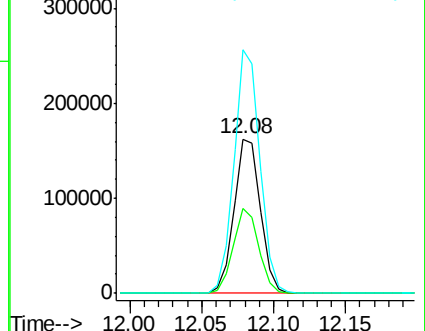
150 155.2 0.0 347.2



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: 23.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003564.D

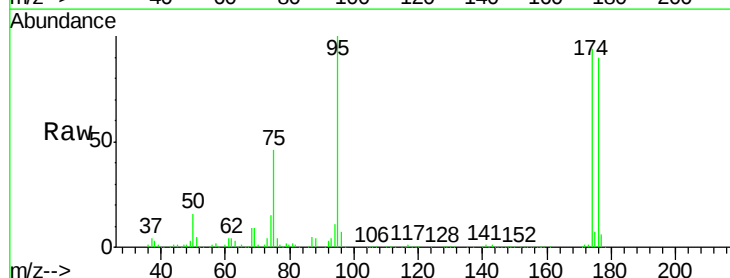
Acq: 21 Jul 2018 19:19

Tgt Ion: 75 Resp: 90086

Ion Ratio Lower Upper

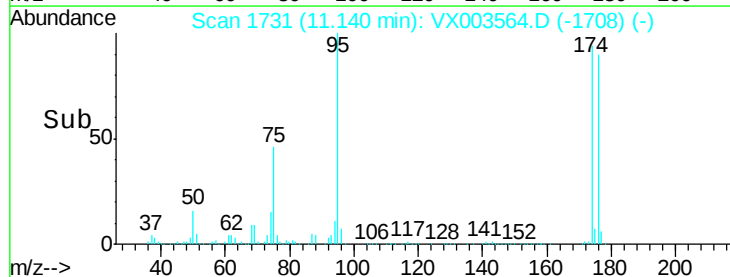
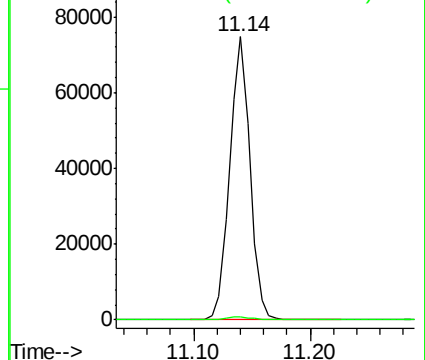
75 100

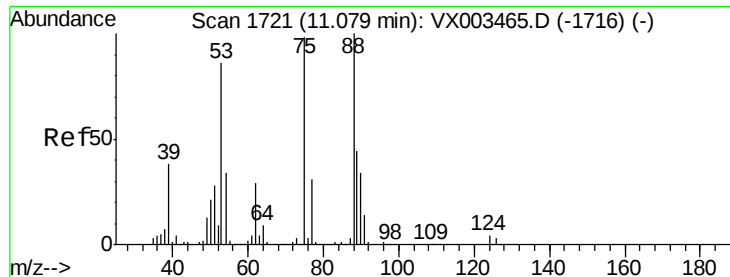
77 1.4 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

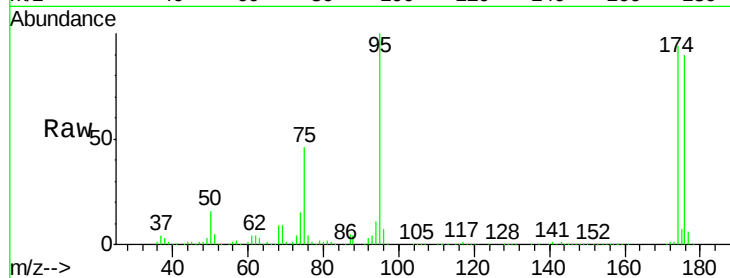




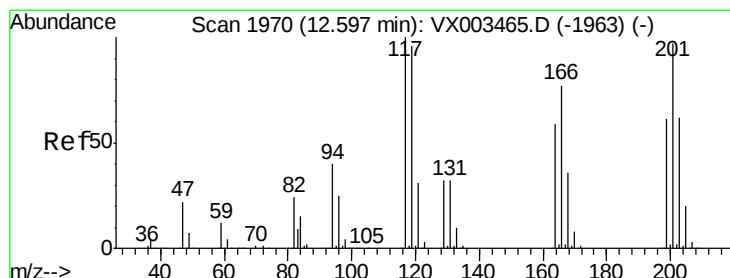
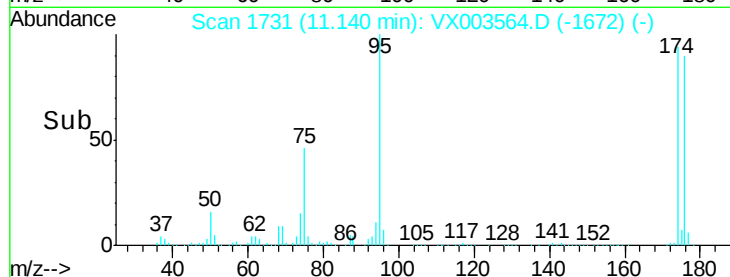
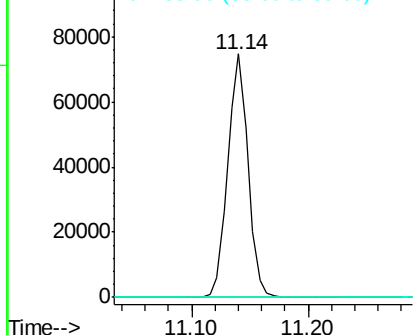
#81
trans-1,4-Dichloro-2-butene
Concen: 67.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX003564.D
Acq: 21 Jul 2018 19:19

Instrument :
MSVOA_X
ClientSampleId :
LF1-0028

Tot Ion: 75 Resp: 90086
Ion Ratio Lower Upper
75 100
53 0.2 86.8 130.2#
89 0.0 38.2 57.2#

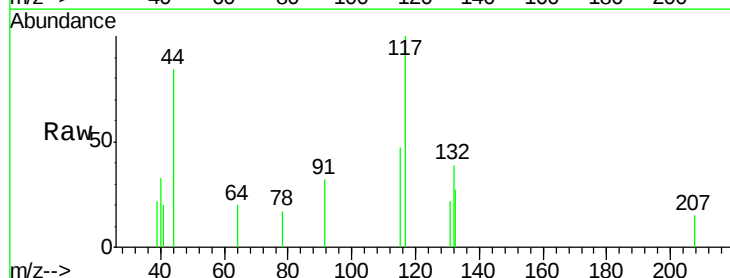


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#90
Hexachloroethane
Concen: 0.26 ug/l
RT: 12.71 min Scan# 1988
Delta R.T. 0.11 min
Lab File: VX003564.D
Acq: 21 Jul 2018 19:19

Tgt Ion: 117 Resp: 476
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

