

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032789.D
 Acq On : 20 Nov 2018 22:04
 Operator : SY/AP
 Sample : J5961-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 21 05:59:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1342384	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3353885	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3030075	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2229377	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

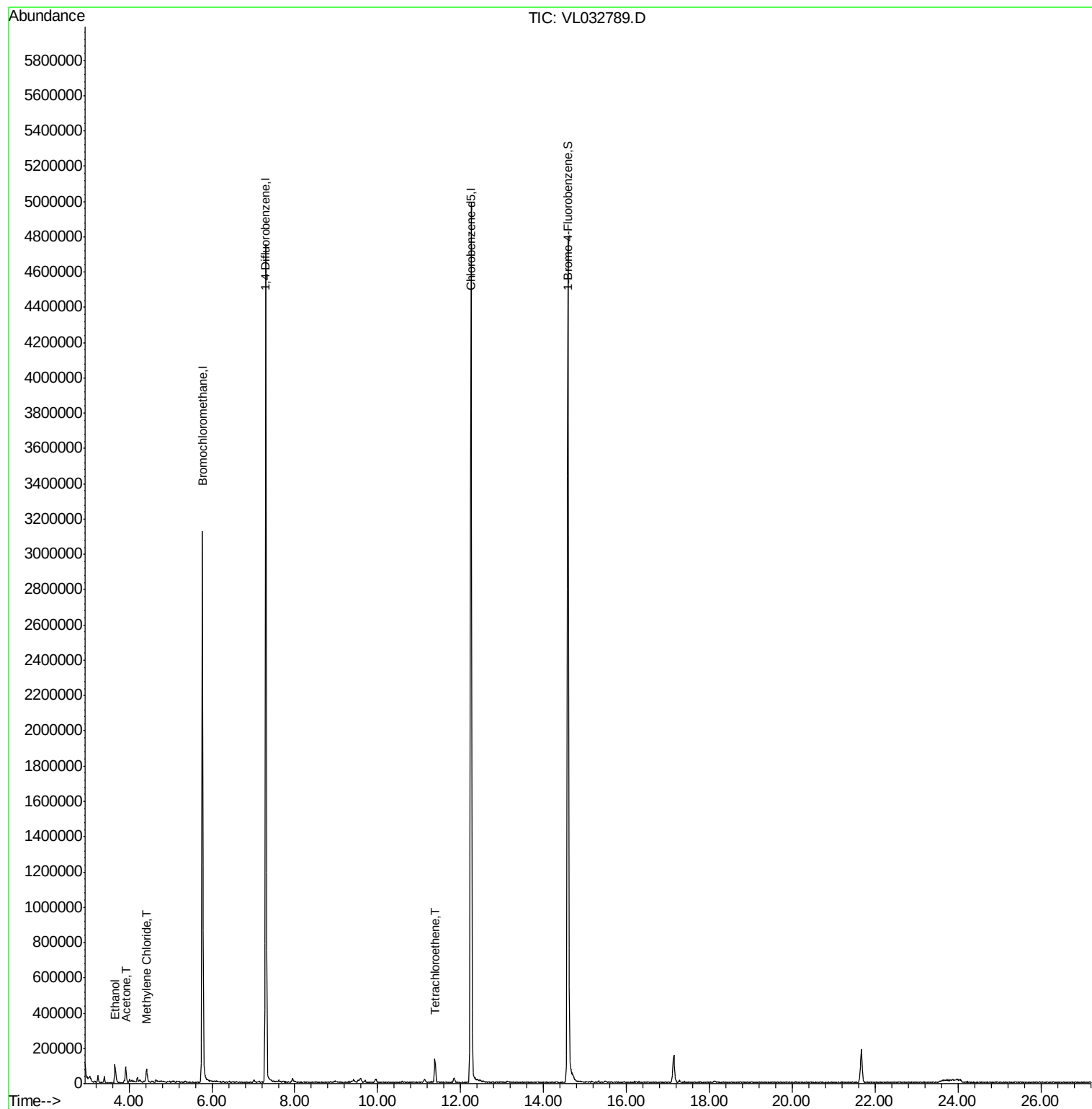
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.66	45	109823	7.873	ppbv	97
15) Acetone	3.92	43	86918	0.709	ppbv	96
20) Methylene Chloride	4.42	84	25122	0.396	ppbv	83
52) Tetrachloroethene	11.38	164	30037	0.323	ppbv #	74

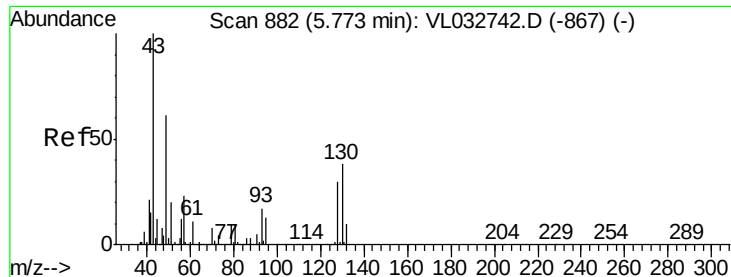
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032789.D

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Instrument :

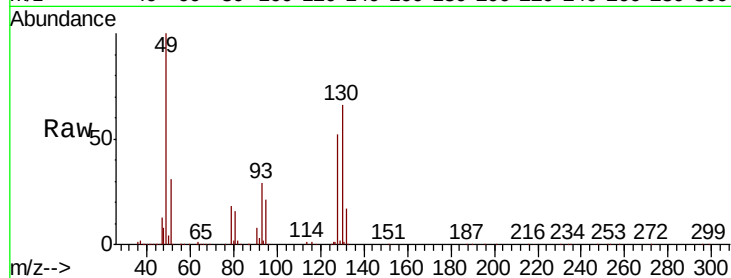
MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 49 Resp: 1342384

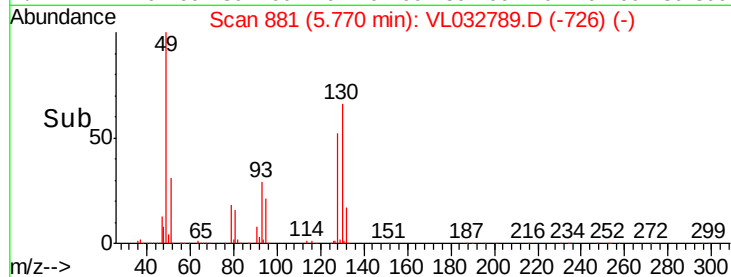
Ion	Ratio	Lower	Upper
49	100		
128	53.9	24.9	74.6
130	68.8	31.4	94.2



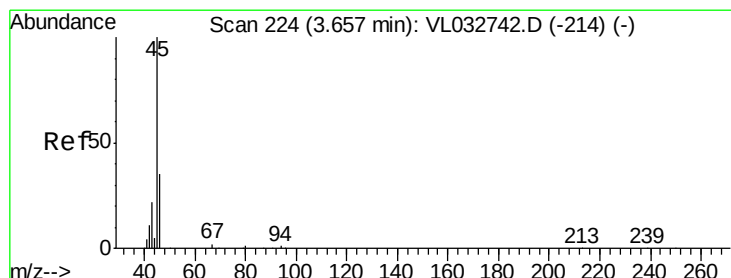
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#13

Ethanol

Concen: 7.873 ppbv

RT: 3.66 min Scan# 225

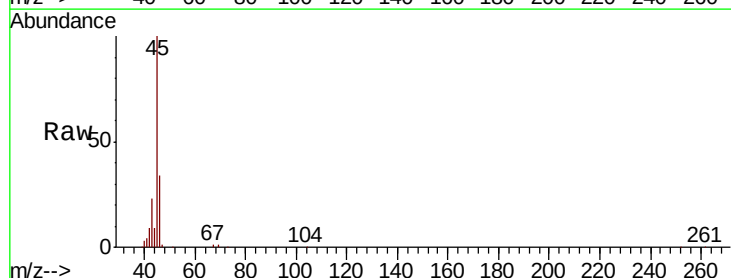
Delta R.T. 0.00 min

Lab File: VL032789.D

Acq: 20 Nov 2018 22:04

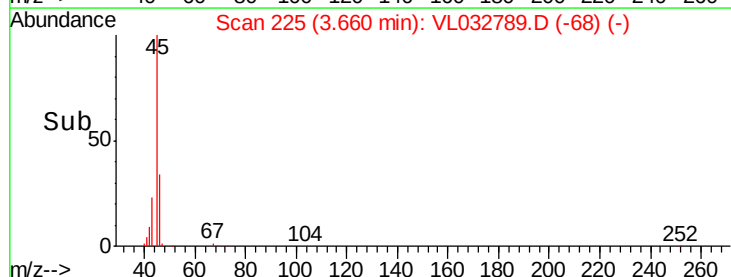
Tgt Ion: 45 Resp: 109823

Ion	Ratio	Lower	Upper
45	100		
46	37.8	14.5	57.9

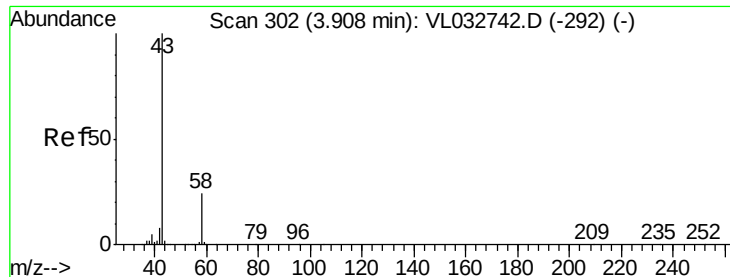


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Time-->



#15

Acetone

Concen: 0.709 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032789.D

Acq: 20 Nov 2018 22:04

Instrument :

MSVOA_L

ClientSampleId :

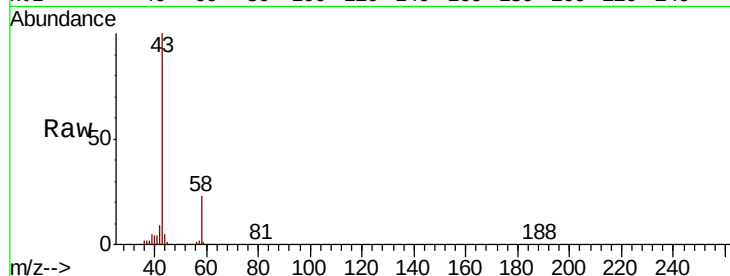
QA1DL

Tot Ion: 43 Resp: 86918

Ion Ratio Lower Upper

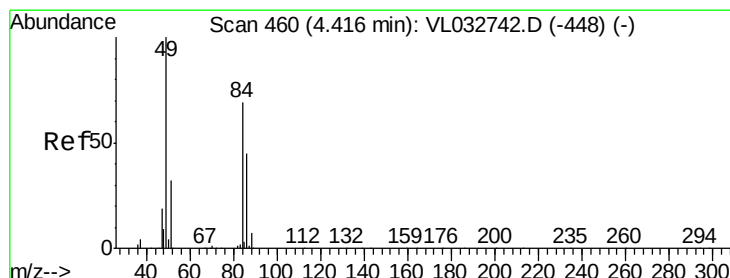
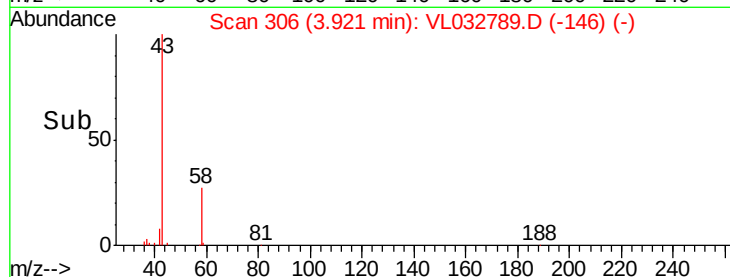
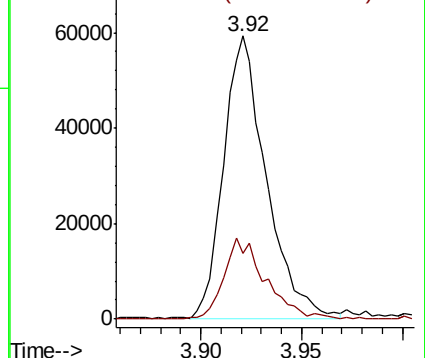
43 100

58 28.5 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.396 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032789.D

Acq: 20 Nov 2018 22:04

Tgt Ion: 84 Resp: 25122

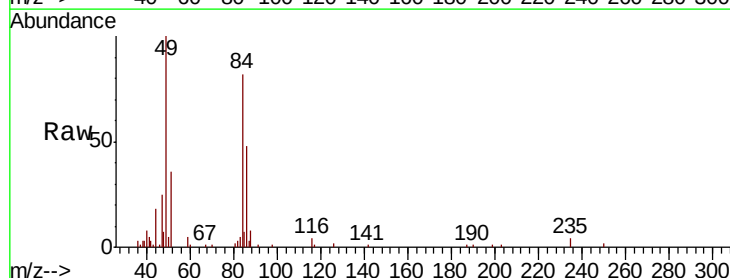
Ion Ratio Lower Upper

84 100

49 116.4 115.8 173.6

51 44.4 36.9 55.3

86 55.1 52.4 78.6

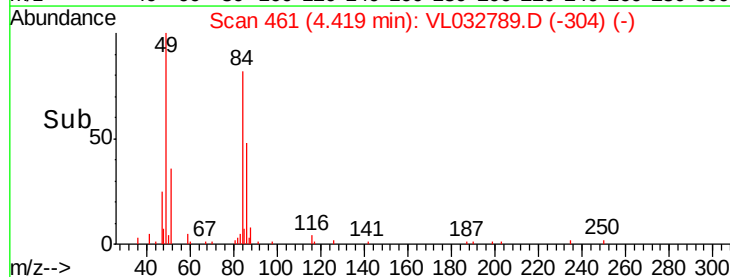
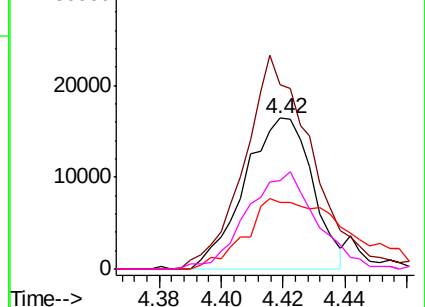


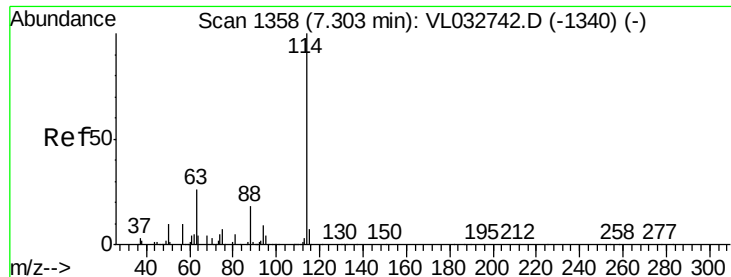
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

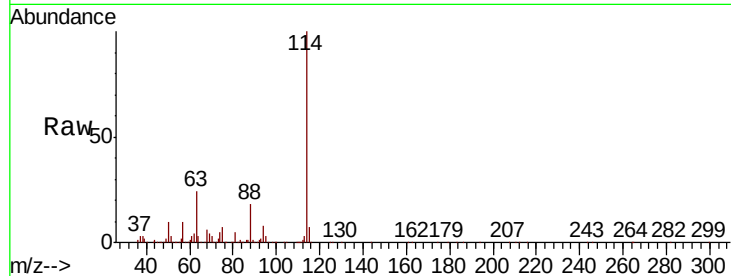




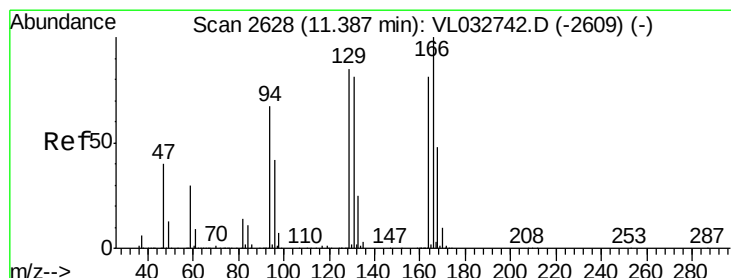
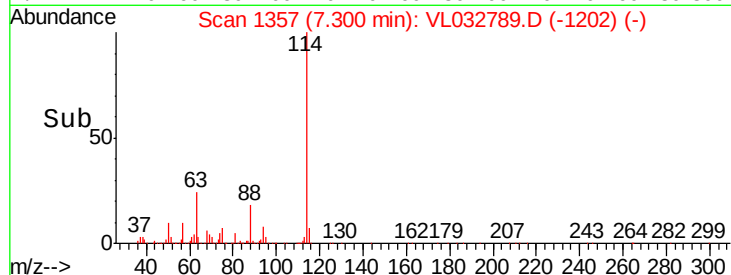
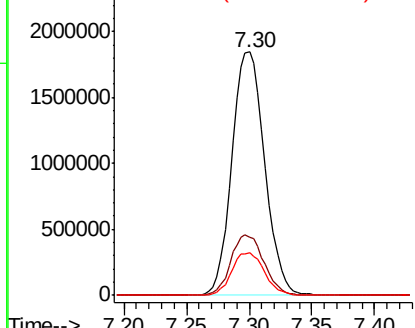
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032789.D
 Acq: 20 Nov 2018 22:04

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Tot Ion:114 Resp: 3353885
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.9 31.3
 88 17.6 14.4 21.6

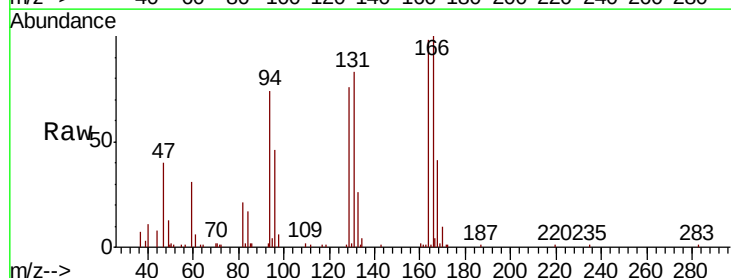


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

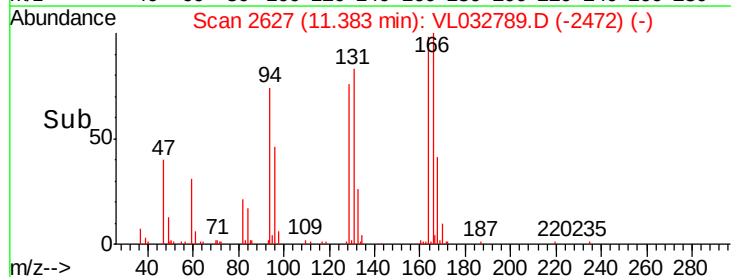
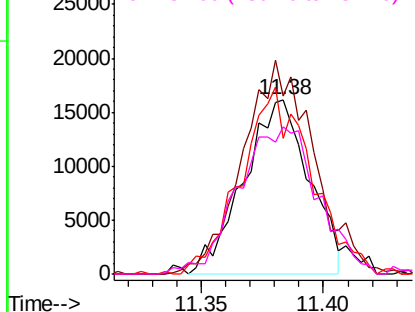


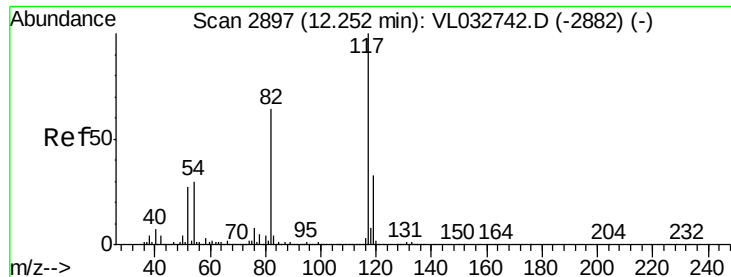
#52
 Tetrachloroethene
 Concen: 0.323 ppbv
 RT: 11.38 min Scan# 2627
 Delta R.T. -0.00 min
 Lab File: VL032789.D
 Acq: 20 Nov 2018 22:04

Tgt Ion:164 Resp: 30037
 Ion Ratio Lower Upper
 164 100
 166 96.1 99.3 148.9#
 129 74.0 83.9 125.9#
 131 78.0 80.8 121.2#



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V

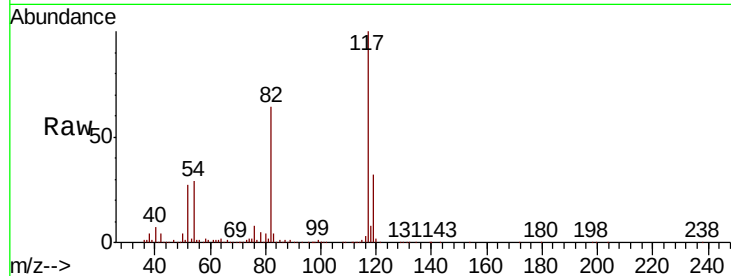




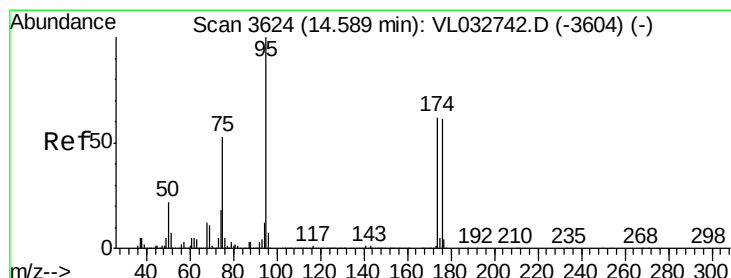
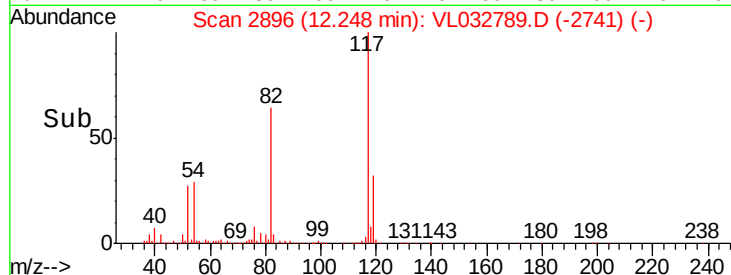
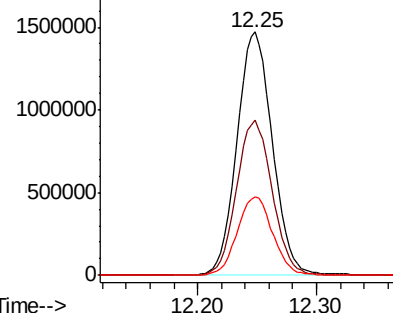
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032789.D
Acq: 20 Nov 2018 22:04

Instrument :
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Tot Ion:117 Resp: 3030075
Ion Ratio Lower Upper
117 100
82 64.6 51.0 76.6
119 32.5 28.0 42.0

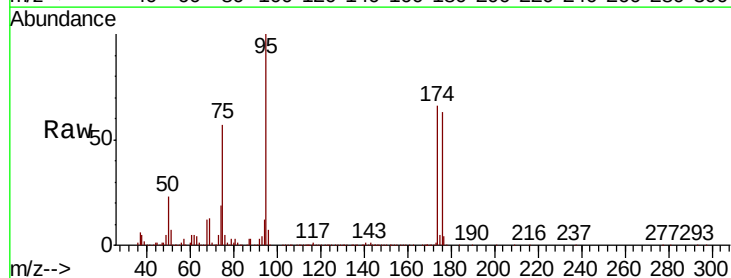


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.837 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032789.D
Acq: 20 Nov 2018 22:04

Tgt Ion: 95 Resp: 2229377
Ion Ratio Lower Upper
95 100
174 67.0 50.7 76.1
175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

