

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032038.D
 Acq On : 2 Jun 2018 2:12
 Operator : SY/AP
 Sample : J3225-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jun 02 03:42:54 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1230671	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2392629	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2291110	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1753533	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

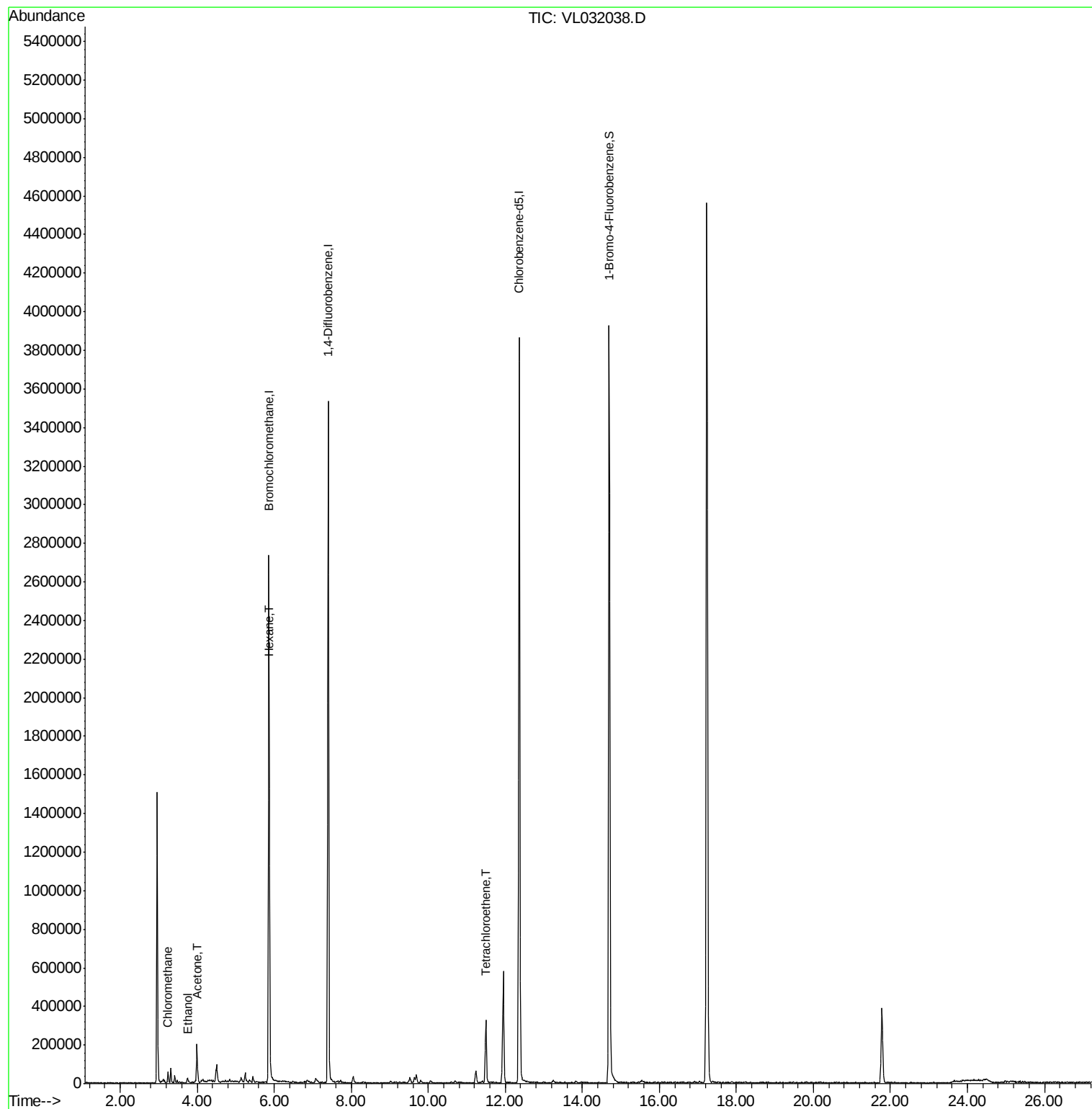
Target Compounds						Ovalue
4) Chloromethane	3.24	50	43764	0.75	ppbv	94
13) Ethanol	3.75	45	19752	1.34	ppbv	88
15) Acetone	3.99	43	196942	1.33	ppbv	92
26) Hexane	5.88	57	14711	0.11	ppbv #	50
52) Tetrachloroethene	11.50	164	72997	0.87	ppbv	96

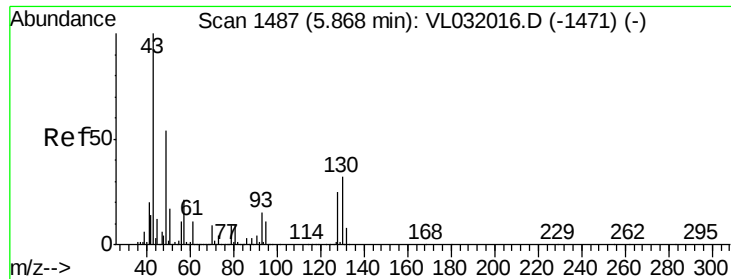
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032038.D

Acq: 2 Jun 2018 2:12

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

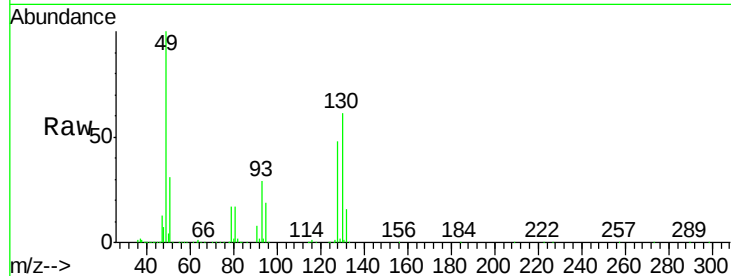
Tot Ion: 49 Resp: 1230671

Ion	Ratio	Lower	Upper
49	100		
128	49.7	24.1	72.3
130	64.0	30.9	92.8

49 100

128 49.7 24.1 72.3

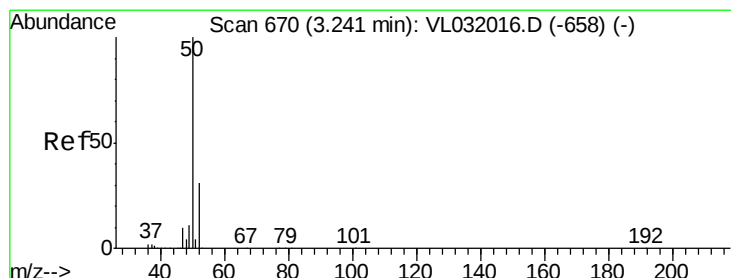
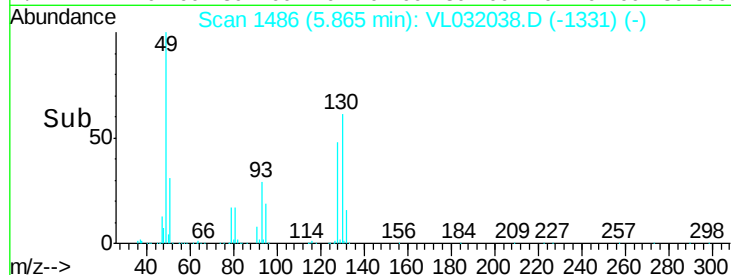
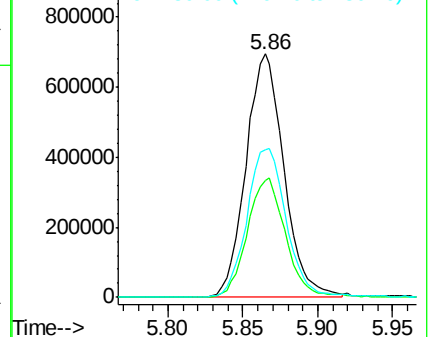
130 64.0 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.75 ppbv

RT: 3.24 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL032038.D

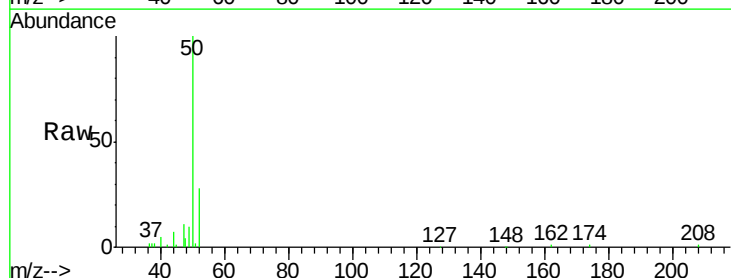
Acq: 2 Jun 2018 2:12

Tgt Ion: 50 Resp: 43764

Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.0	37.6

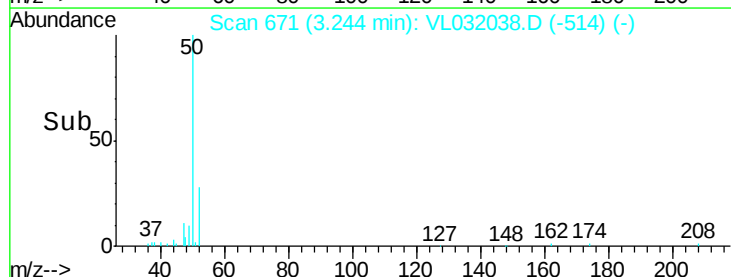
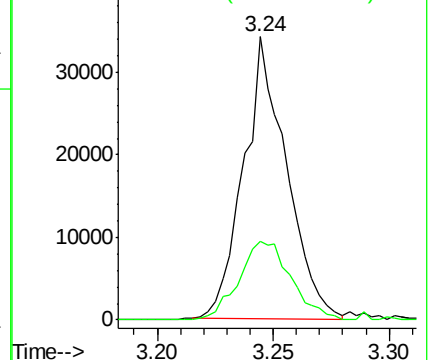
50 100

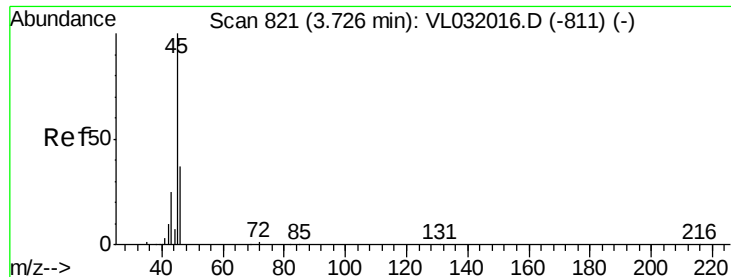
52 27.8 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 1.34 ppbv

RT: 3.75 min Scan# 828

Delta R.T. 0.02 min

Lab File: VL032038.D

Acq: 2 Jun 2018 2:12

Instrument :

MSVOA_L

ClientSampleId :

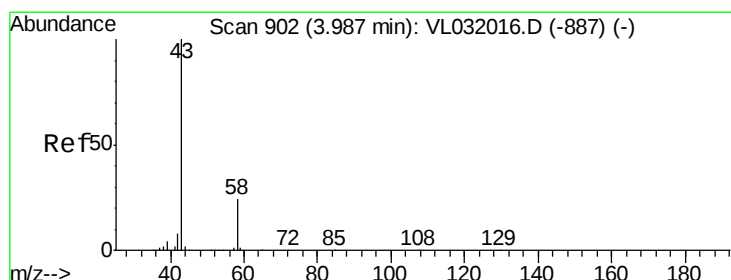
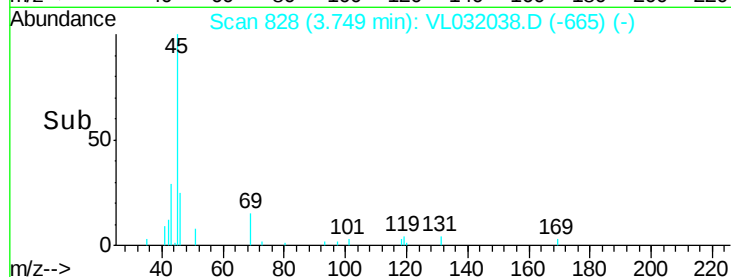
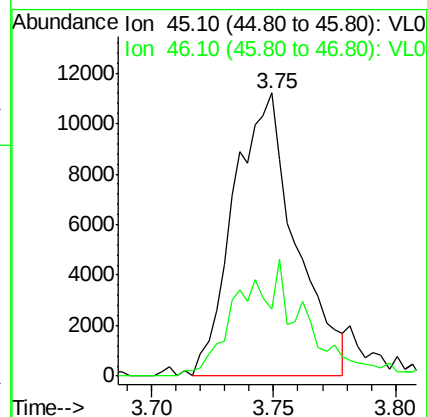
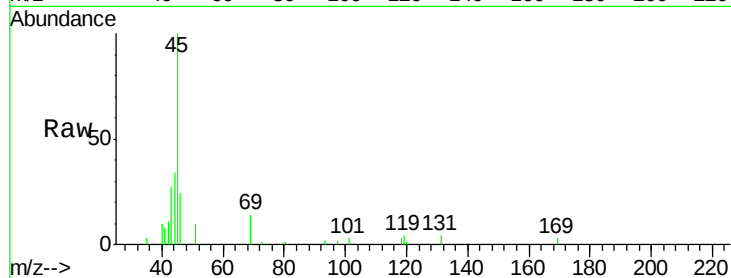
QA1DL

Tot Ion: 45 Resp: 19752

Ion Ratio Lower Upper

45 100

46 44.2 14.9 59.5



#15

Acetone

Concen: 1.33 ppbv

RT: 3.99 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL032038.D

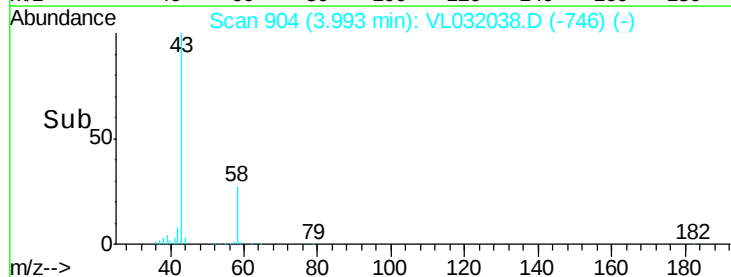
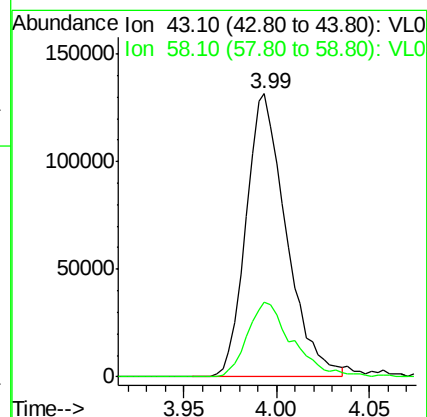
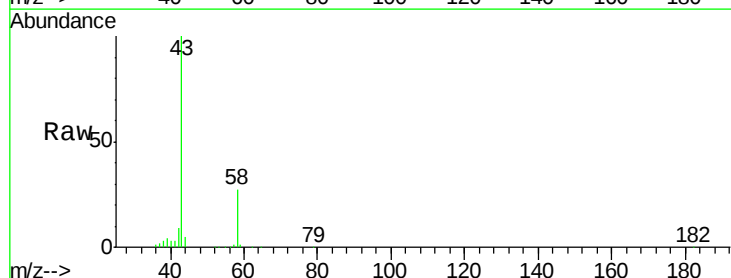
Acq: 2 Jun 2018 2:12

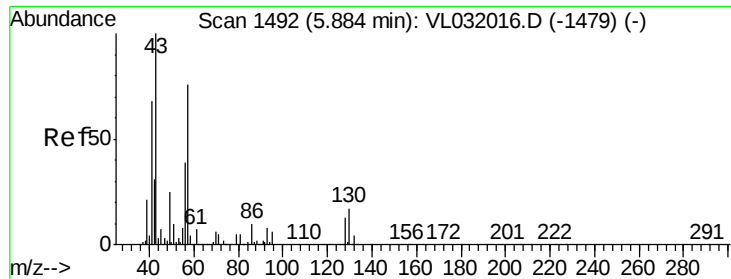
Tgt Ion: 43 Resp: 196942

Ion Ratio Lower Upper

43 100

58 29.8 20.7 31.1

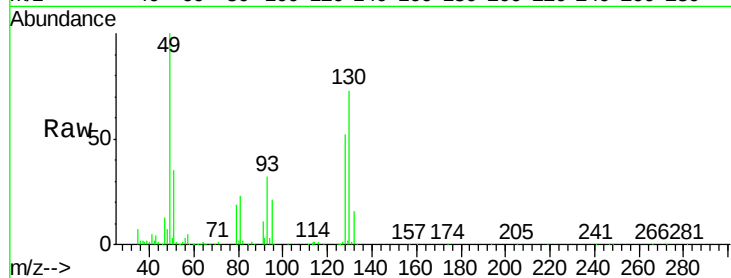




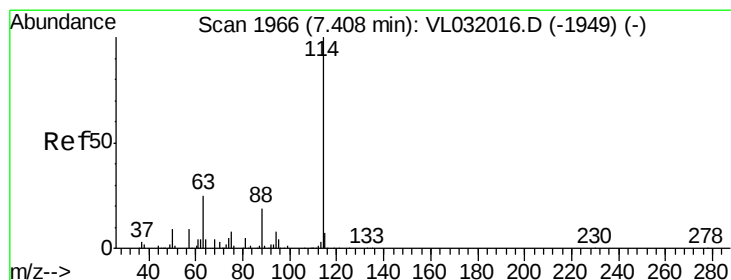
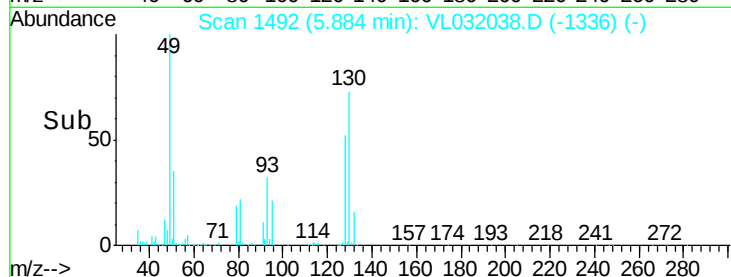
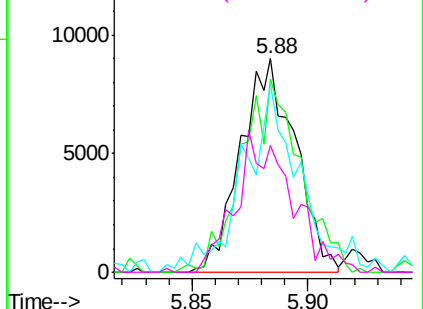
#26
Hexane
Concen: 0.11 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032038.D
Acq: 2 Jun 2018 2:12

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion: 57 Resp: 14711
Ion Ratio Lower Upper
57 100
41 97.7 71.4 107.2
43 94.8 168.6 252.8#
56 68.0 42.4 63.6#

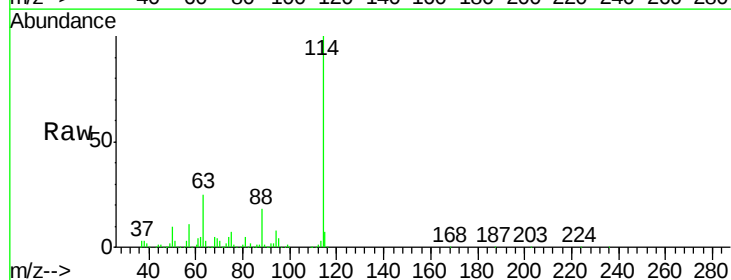


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

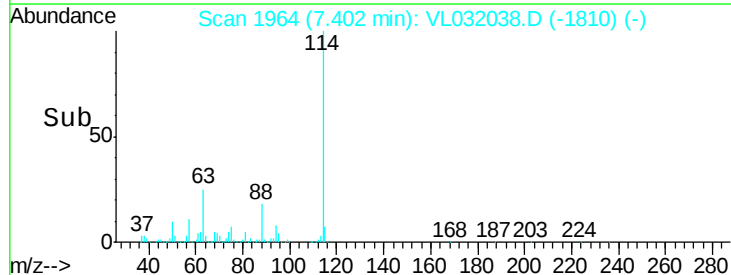
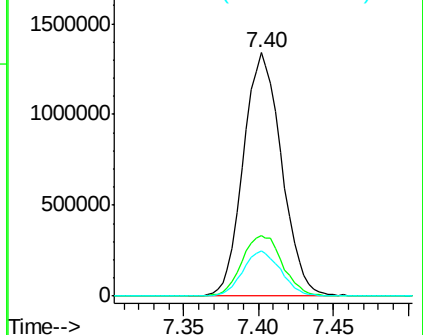


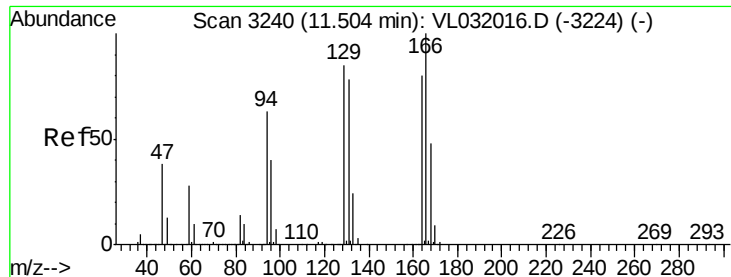
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VL032038.D
Acq: 2 Jun 2018 2:12

Tgt Ion: 114 Resp: 2392629
Ion Ratio Lower Upper
114 100
63 26.2 21.1 31.7
88 18.6 14.8 22.2



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

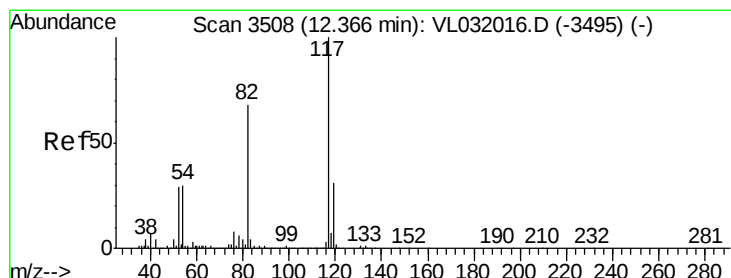
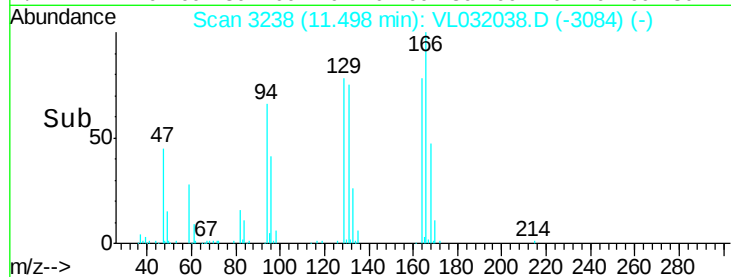
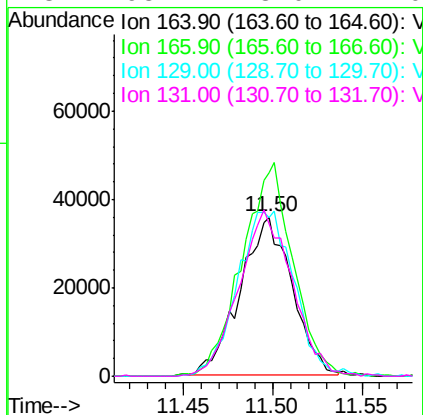
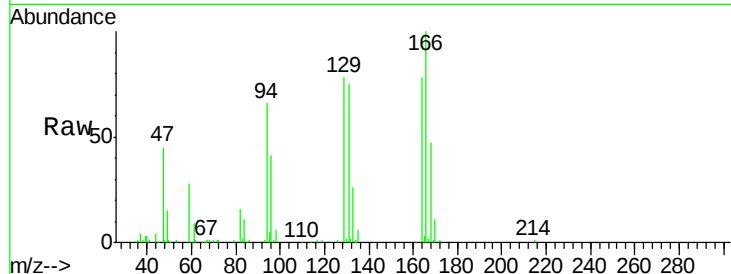




#52
Tetrachloroethene
Concen: 0.87 ppbv
RT: 11.50 min Scan# 3238
Delta R.T. -0.01 min
Lab File: VL032038.D
Acq: 2 Jun 2018 2:12

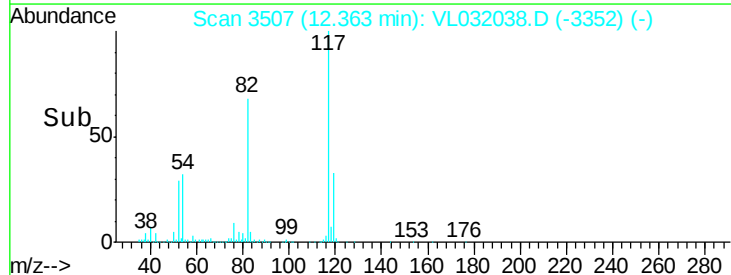
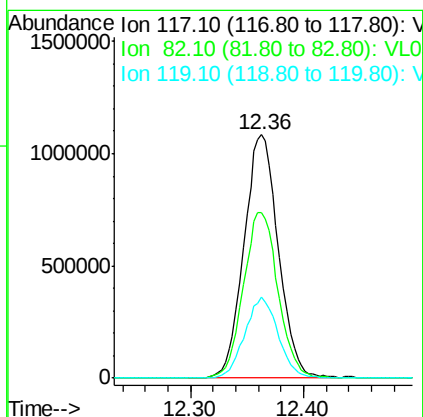
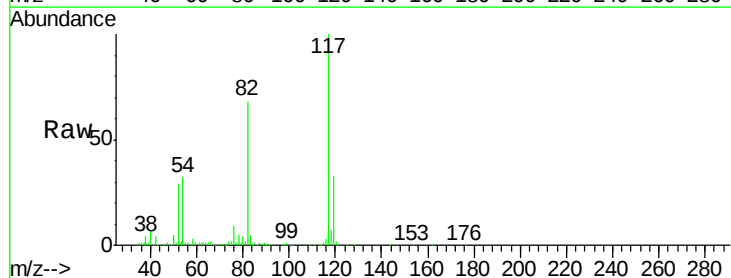
Instrument :
MSVOA_L
ClientSampleId :
OA1DL

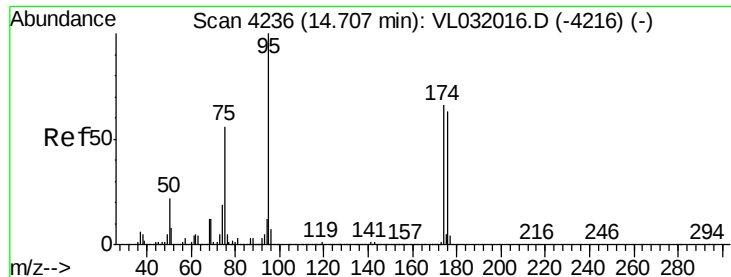
Tot Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.2	150.2
129	99.7	85.4	128.0
131	95.4	78.0	117.0



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VL032038.D
Acq: 2 Jun 2018 2:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.2	52.7	79.1
119	32.2	25.5	38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.91 ppbv

RT: 14.70 min Scan# 4233

Delta R.T. -0.01 min

Lab File: VL032038.D

Acq: 2 Jun 2018 2:12

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 95 Resp: 1753533

Ion Ratio Lower Upper

95 100

174 67.8 53.2 79.8

175 4.8 3.7 5.5

