

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032119\
 Data File : VL033427.D
 Acq On : 21 Mar 2019 22:28
 Operator : SY/AP
 Sample : K1975-03DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Quant Time: Mar 22 09:31:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	814264	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1783298	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1727288	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1335893	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

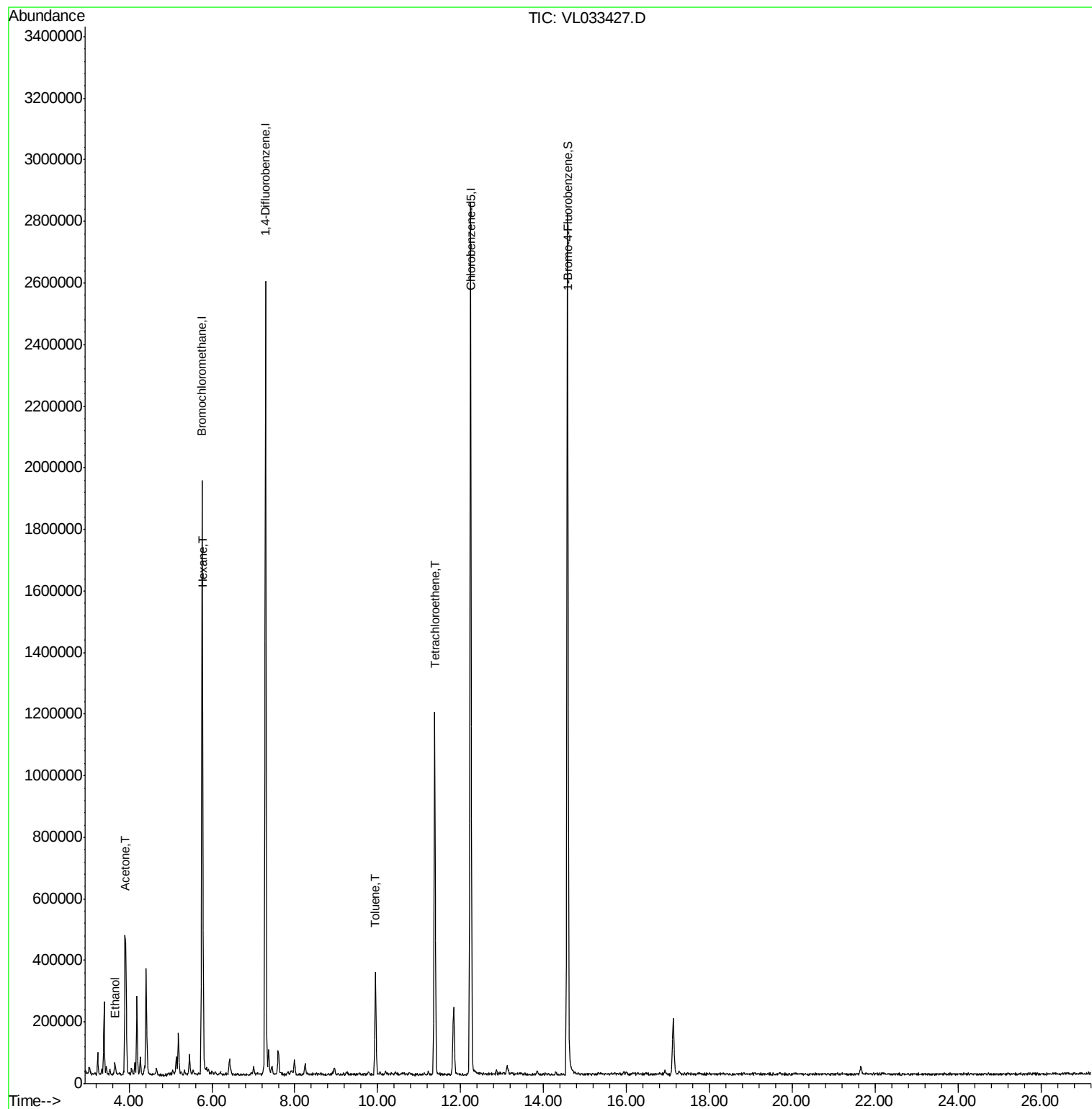
Target Compounds					Ovalue
13) Ethanol	3.67	45	40774	2.050 ppbv	92
15) Acetone	3.90	43	520205	4.110 ppbv	92
26) Hexane	5.78	57	152382	1.852 ppbv #	40
52) Tetrachloroethene	11.37	164	274720	4.132 ppbv	98
53) Toluene	9.95	91	237384	1.309 ppbv	97

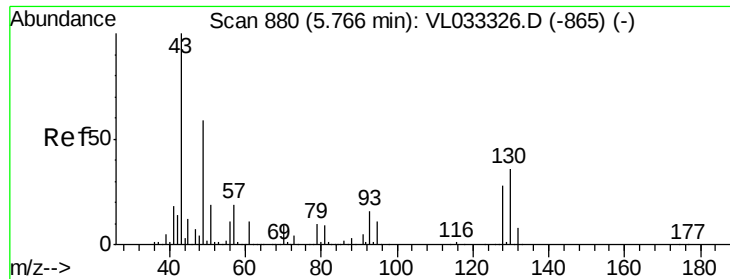
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032119\
Data File : VL033427.D
Acq On : 21 Mar 2019 22:28
Operator : SY/AP
Sample : K1975-03DL2 100X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

Quant Time: Mar 22 09:31:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

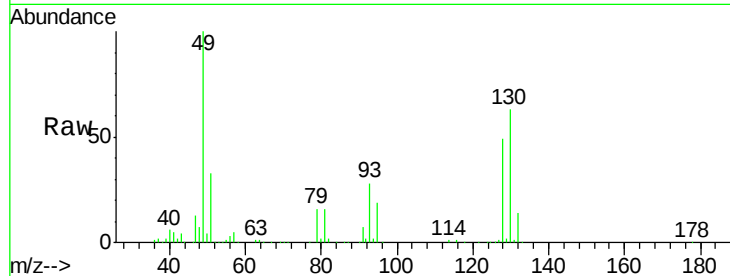
Tot Ion: 49 Resp: 814264

Ion Ratio Lower Upper

49 100

128 48.0 23.5 70.6

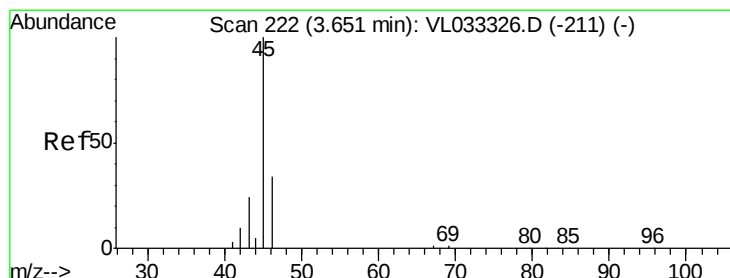
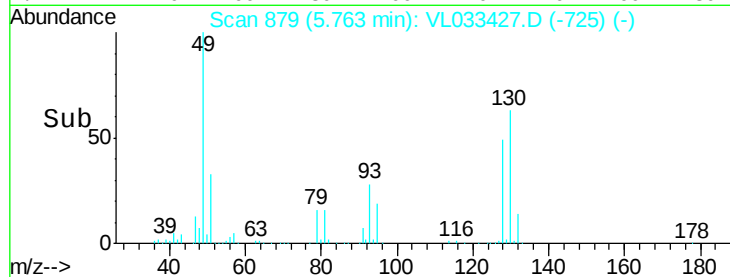
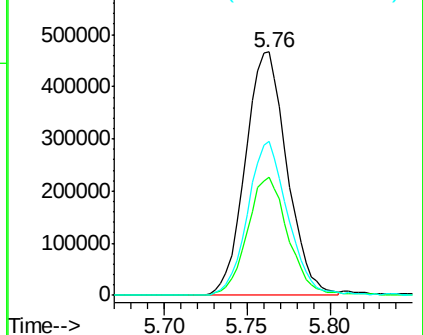
130 61.5 30.1 90.3



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



#13

Ethanol

Concen: 2.050 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033427.D

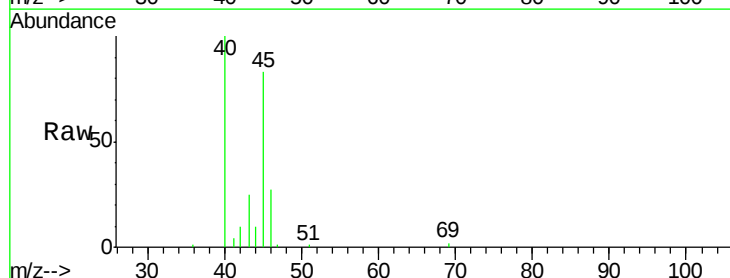
Acq: 21 Mar 2019 22:28

Tgt Ion: 45 Resp: 40774

Ion Ratio Lower Upper

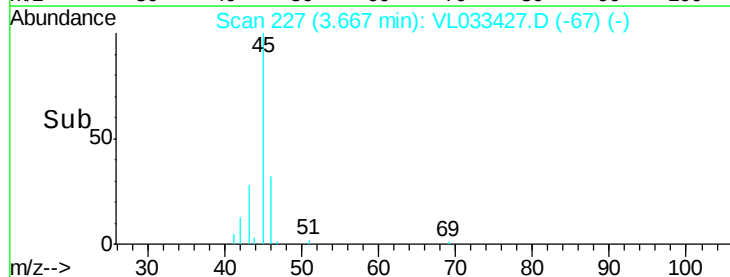
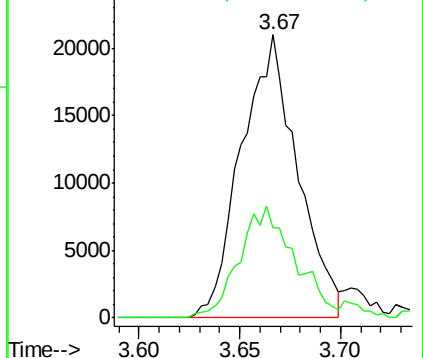
45 100

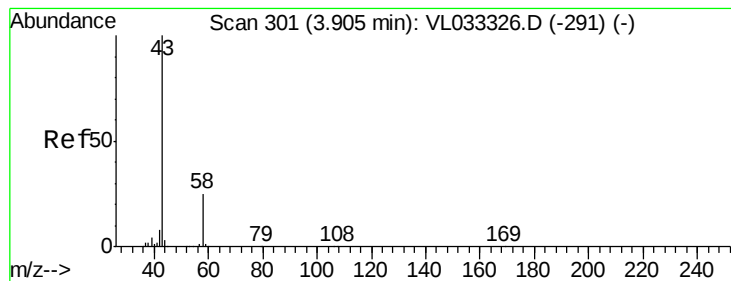
46 42.1 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 4.110 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

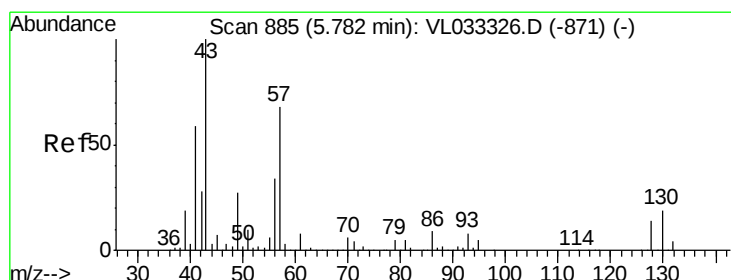
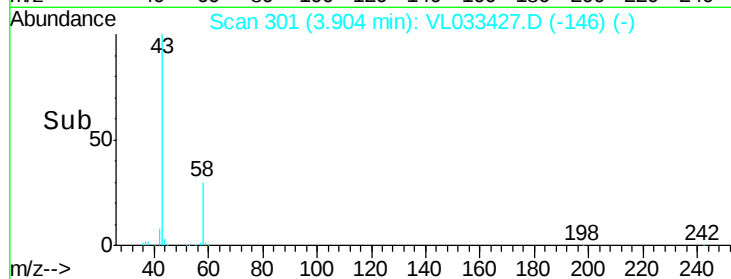
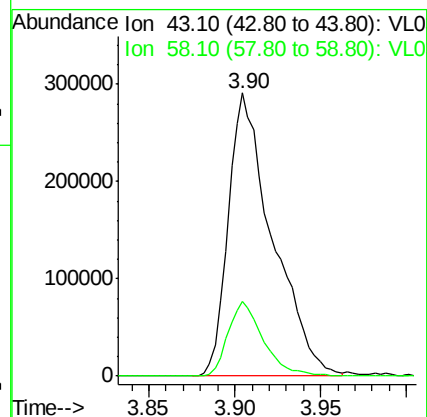
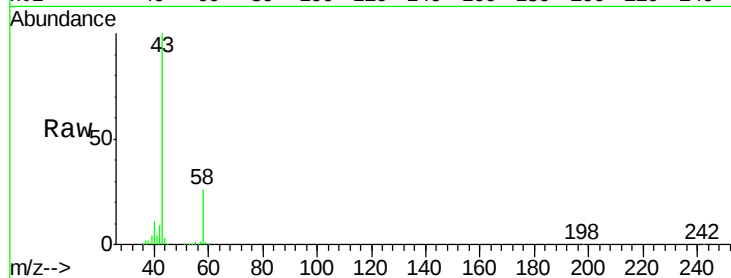
IA2DL2

Tot Ion: 43 Resp: 520205

Ion Ratio Lower Upper

43 100

58 21.5 20.4 30.6



#26

Hexane

Concen: 1.852 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

Tgt Ion: 57 Resp: 152382

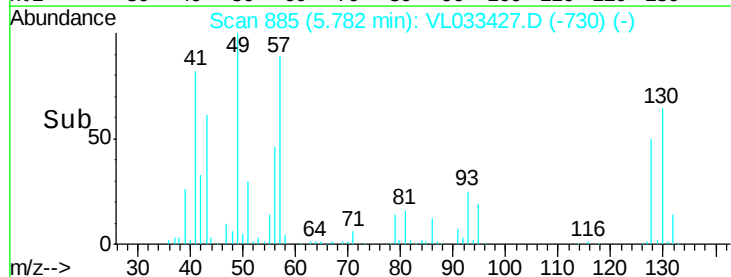
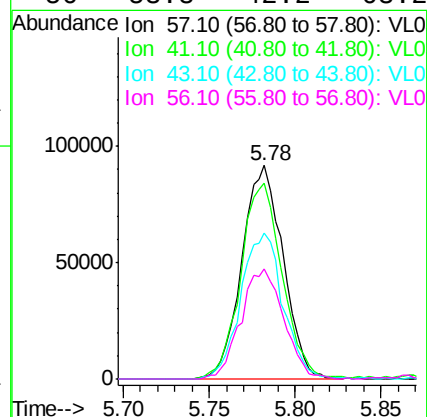
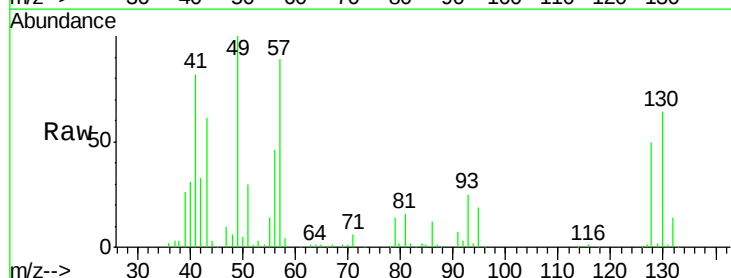
Ion Ratio Lower Upper

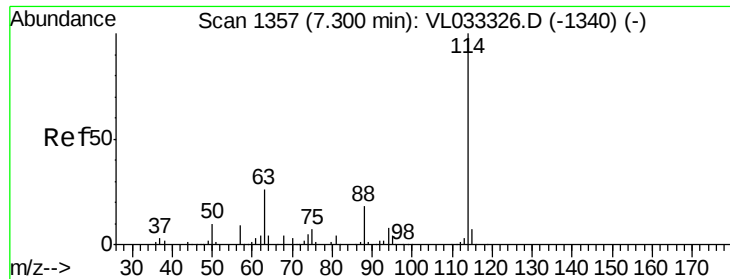
57 100

41 92.9 70.5 105.7

43 70.6 181.8 272.8#

56 53.8 42.2 63.2

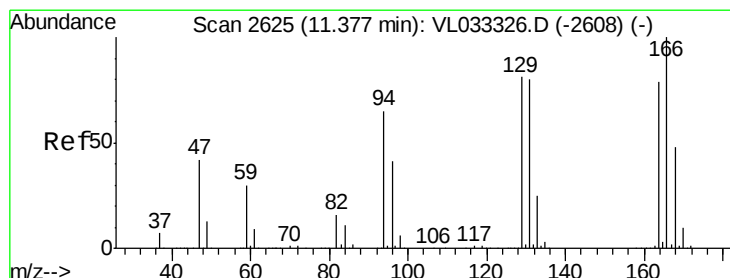
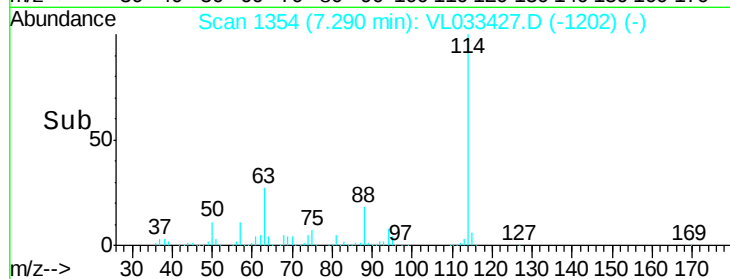
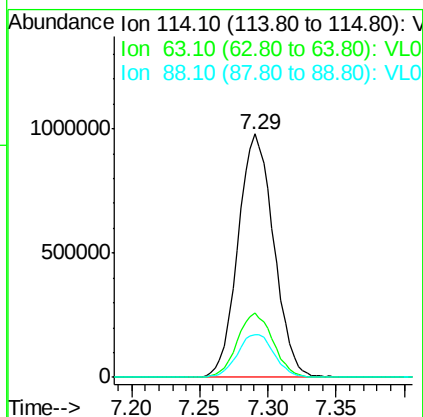
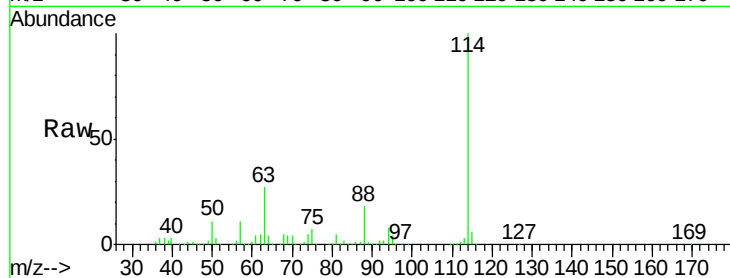




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: VL033427.D
 Acq: 21 Mar 2019 22:28

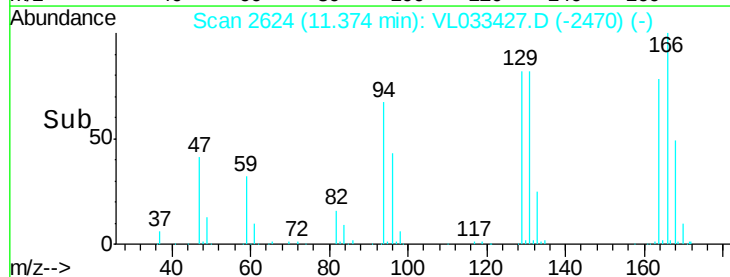
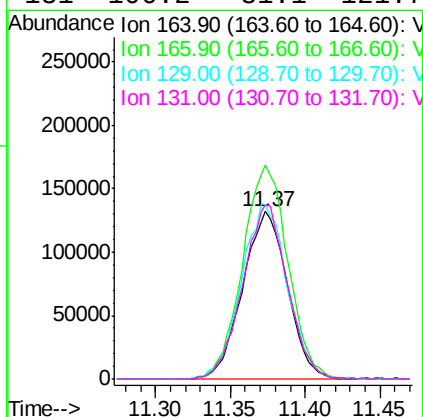
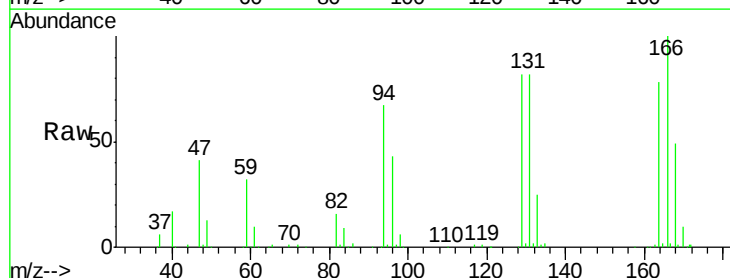
Instrument :
 MSVOA_L
 ClientSampleID :
 IA2DL2

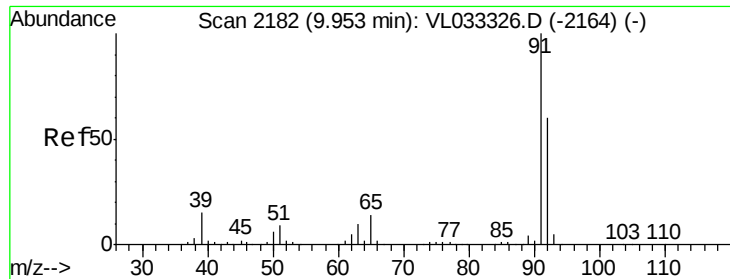
Tot Ion:114 Resp: 1783298
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.4 32.2
 88 18.1 14.5 21.7



#52
 Tetrachloroethene
 Concen: 4.132 ppbv
 RT: 11.37 min Scan# 2624
 Delta R.T. -0.00 min
 Lab File: VL033427.D
 Acq: 21 Mar 2019 22:28

Tgt Ion:164 Resp: 274720
 Ion Ratio Lower Upper
 164 100
 166 127.5 101.5 152.3
 129 103.9 82.2 123.2
 131 106.2 81.1 121.7





#53

Toluene

Concen: 1.309 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

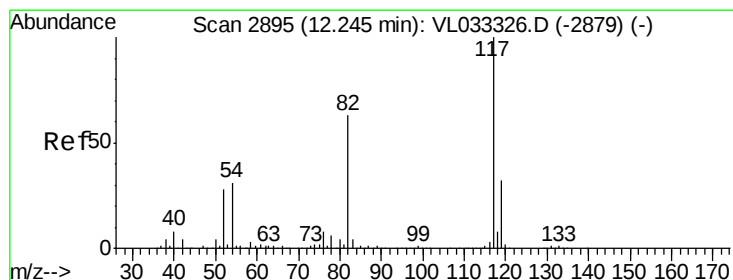
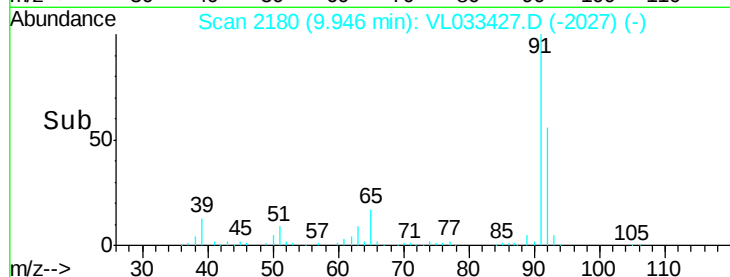
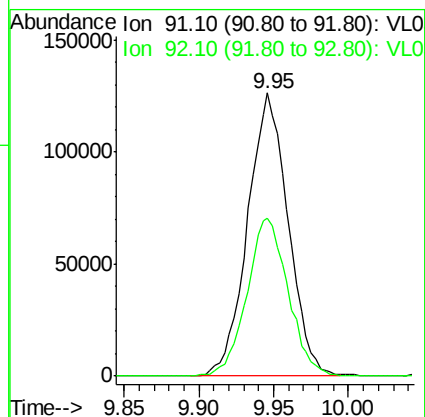
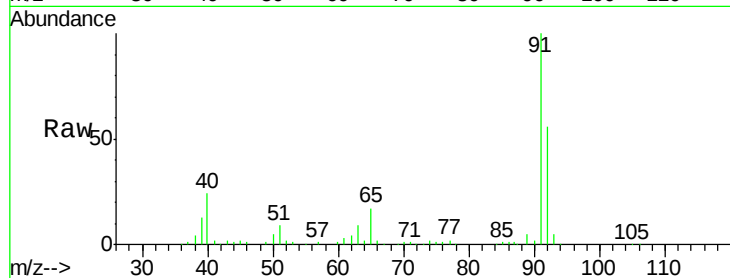
IA2DL2

Tot Ion: 91 Resp: 237384

Ion Ratio Lower Upper

91 100

92 57.2 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

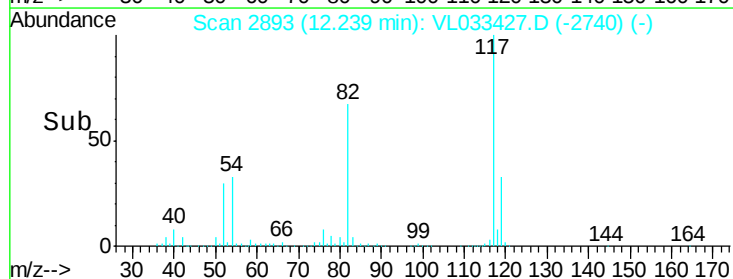
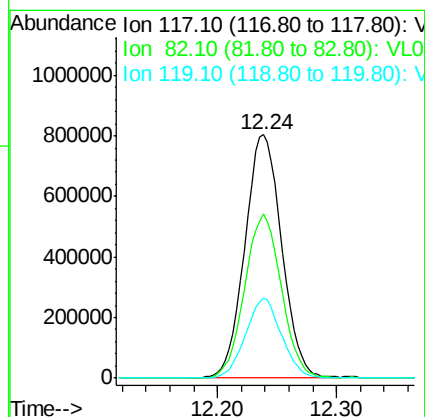
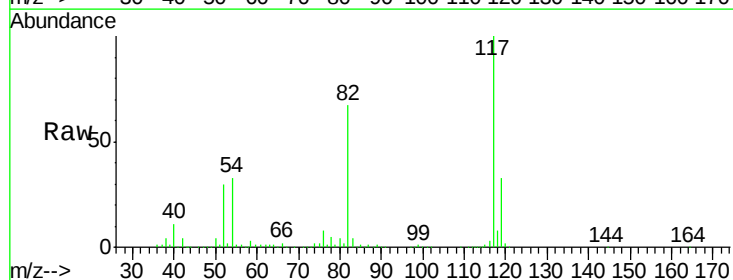
Tgt Ion: 117 Resp: 1727288

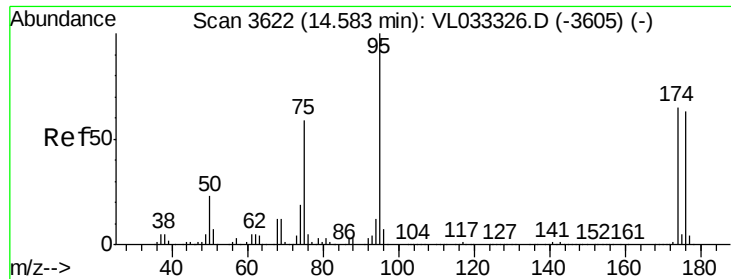
Ion Ratio Lower Upper

117 100

82 67.3 53.4 80.2

119 31.9 27.3 40.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.437 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL033427.D

Acq: 21 Mar 2019 22:28

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

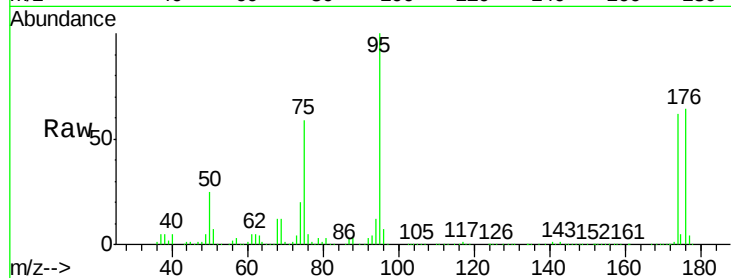
Tot Ion: 95 Resp: 1335893

Ion Ratio Lower Upper

95 100

174 64.4 51.5 77.3

175 4.6 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

