

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040419\
 Data File : VL033547.D
 Acq On : 5 Apr 2019 00:13
 Operator : SY/AP
 Sample : K2211-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIHA-IA2DL

Quant Time: Apr 05 03:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1199072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2829730	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2796410	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2192689	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

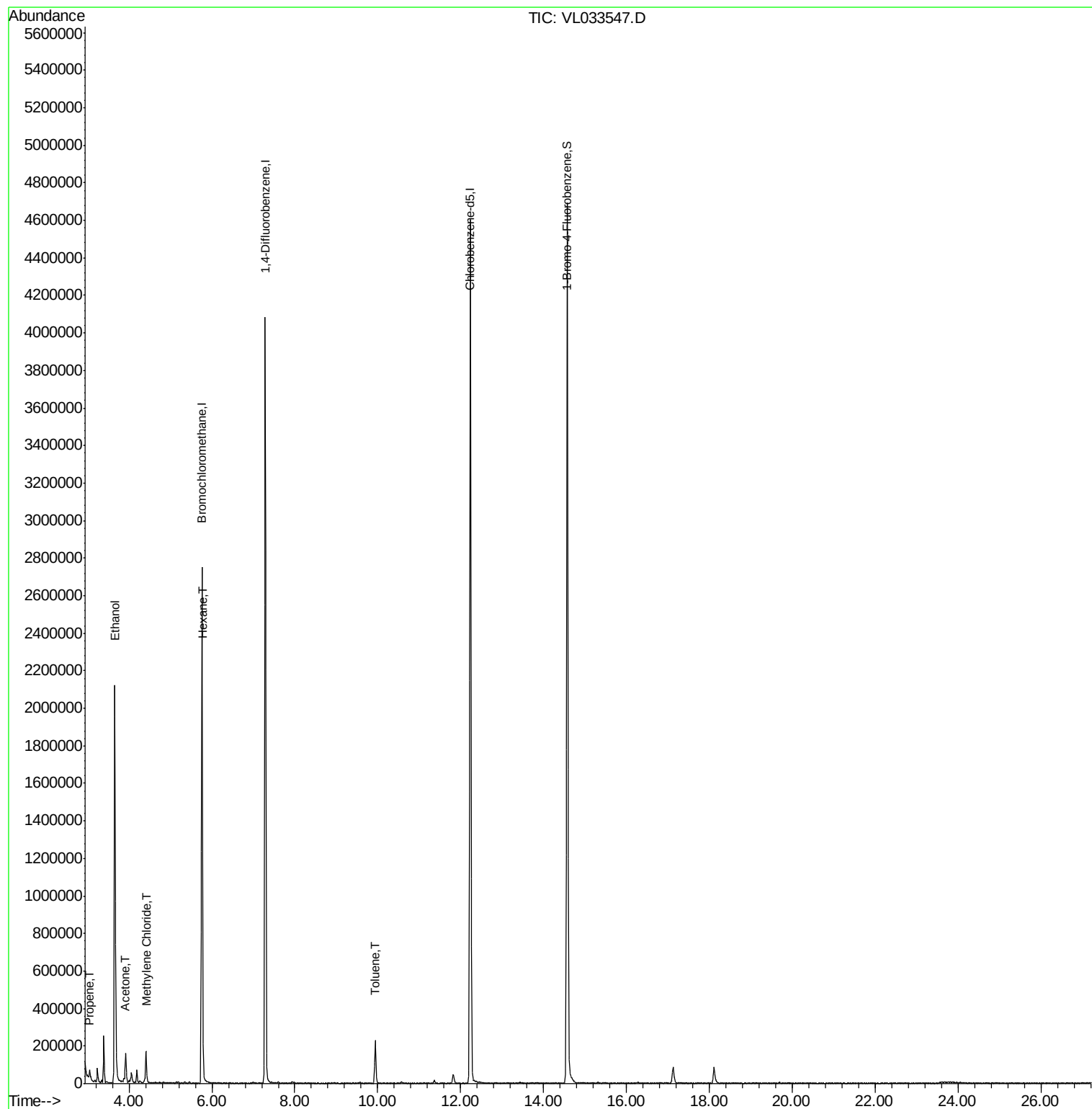
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.06	41	9984	0.172	ppbv	84
13) Ethanol	3.66	45	2373900	158.243	ppbv	65
15) Acetone	3.91	43	119368	0.828	ppbv	91
20) Methylene Chloride	4.41	84	55044	0.899	ppbv	97
26) Hexane	5.78	57	34467	0.290	ppbv #	67
53) Toluene	9.94	91	169800	0.615	ppbv	97

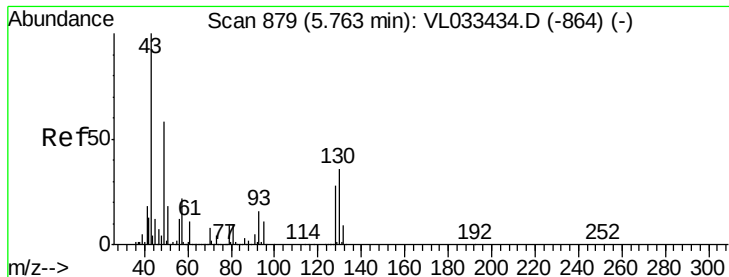
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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LIHA-IA2DL

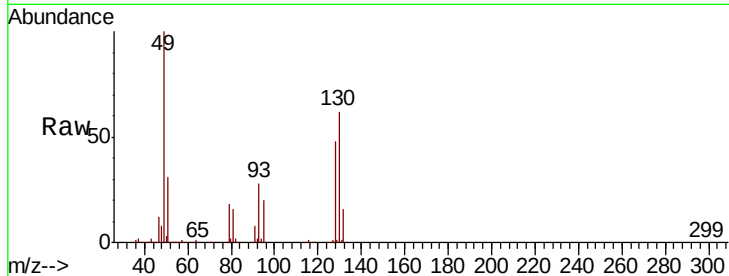
Tot Ion: 49 Resp: 1199072

Ion Ratio Lower Upper

49 100

128 50.0 24.0 72.0

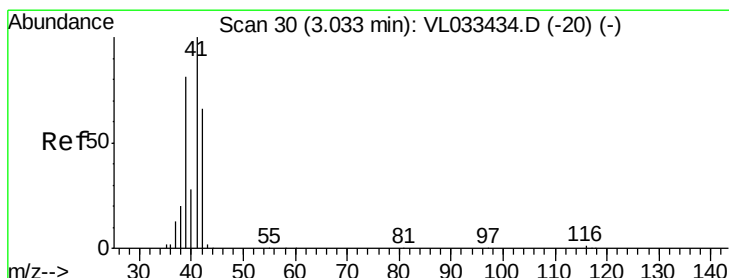
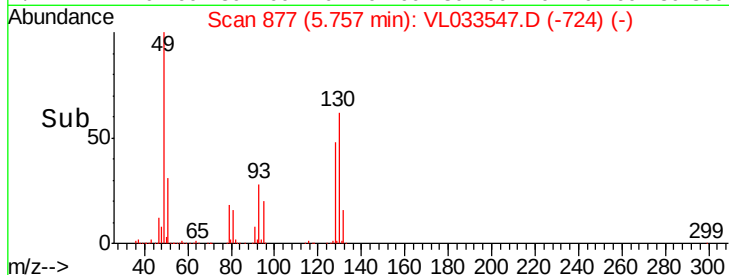
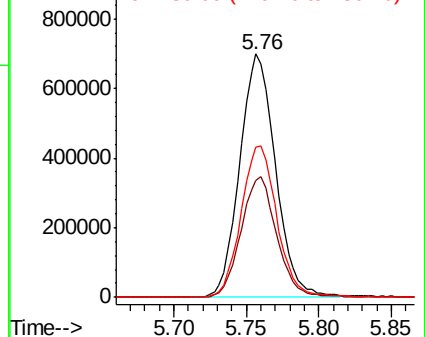
130 63.2 31.2 93.6



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



#9

Propene

Concen: 0.172 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.02 min

Lab File: VL033547.D

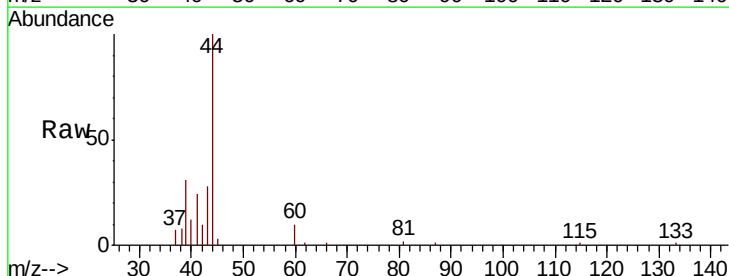
Acq: 5 Apr 2019 00:13

Tgt Ion: 41 Resp: 9984

Ion Ratio Lower Upper

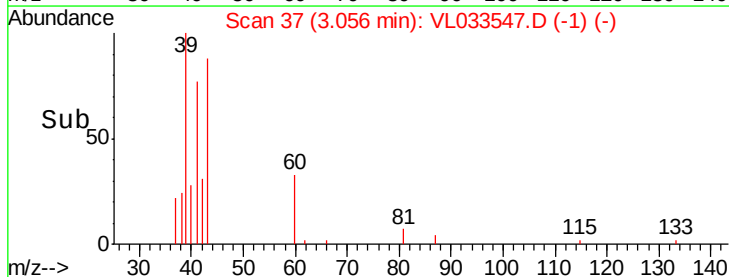
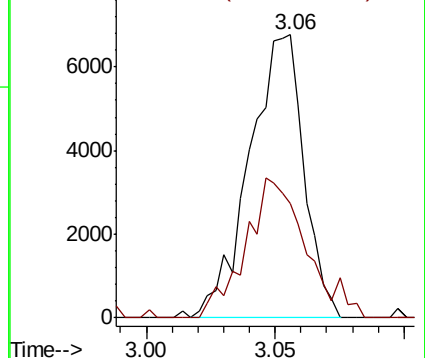
41 100

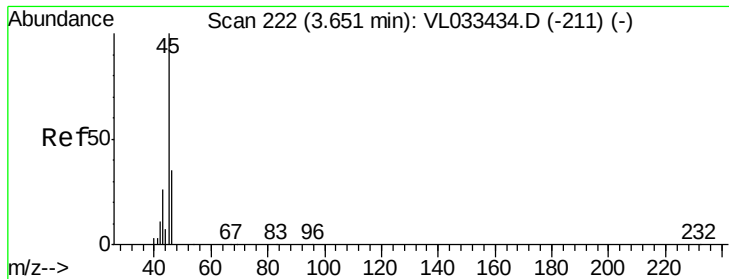
42 54.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 158.243 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033547.D

Acq: 5 Apr 2019 00:13

Instrument :

MSVOA_L

ClientSampleId :

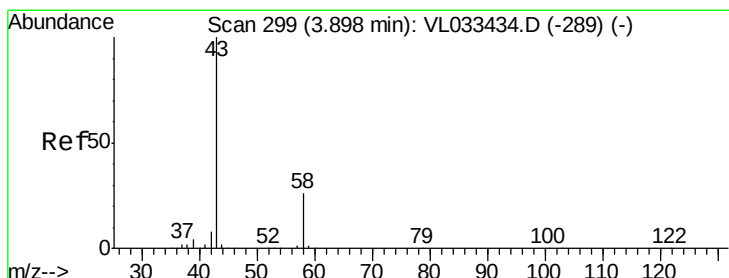
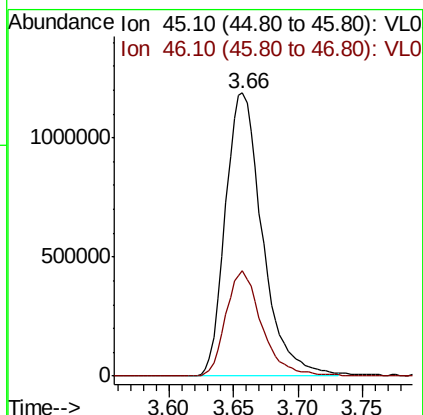
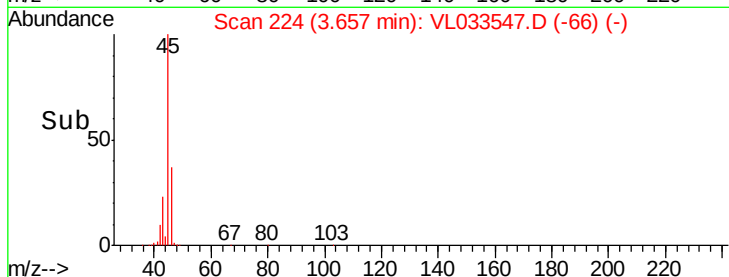
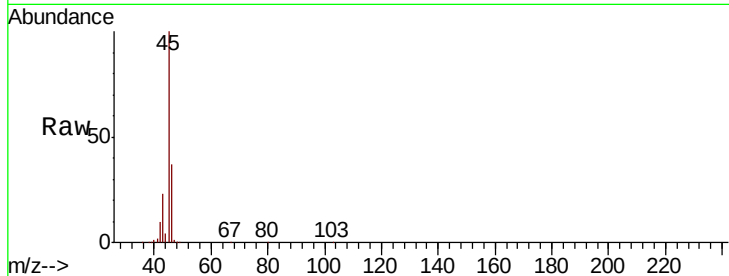
LIHA-IA2DL

Tot Ion: 45 Resp: 2373900

Ion Ratio Lower Upper

45 100

46 36.3 25.4 101.8



#15

Acetone

Concen: 0.828 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033547.D

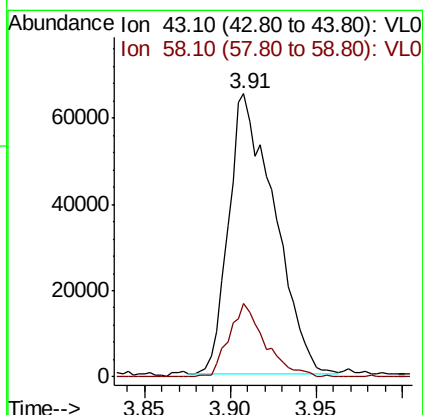
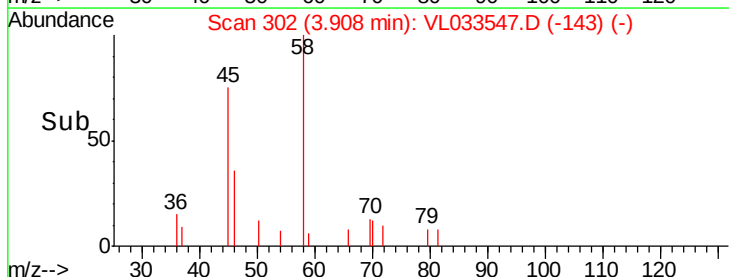
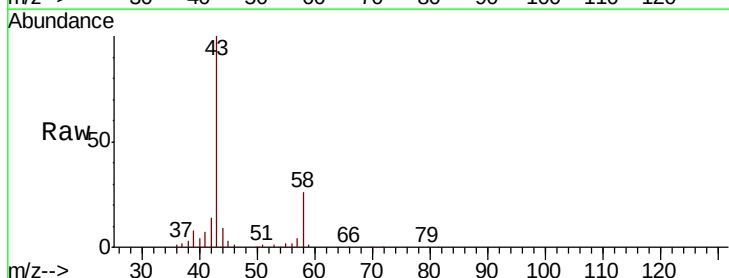
Acq: 5 Apr 2019 00:13

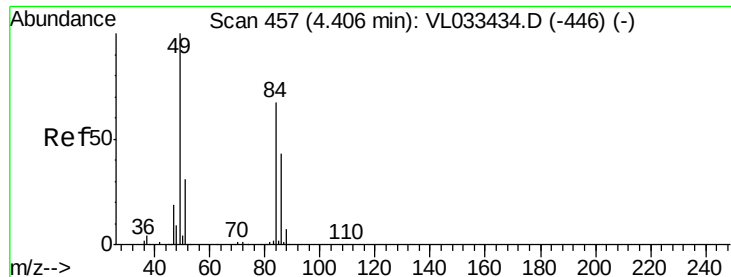
Tgt Ion: 43 Resp: 119368

Ion Ratio Lower Upper

43 100

58 21.0 20.5 30.7

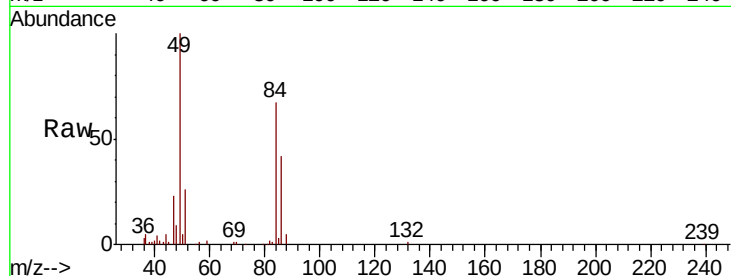




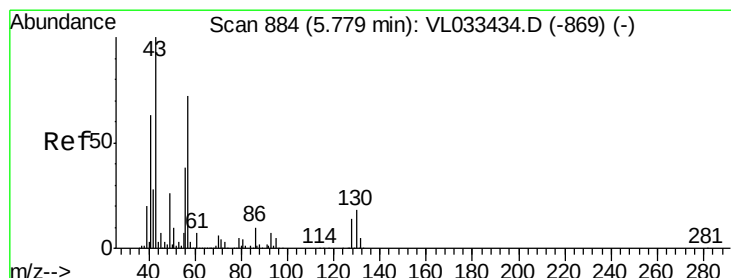
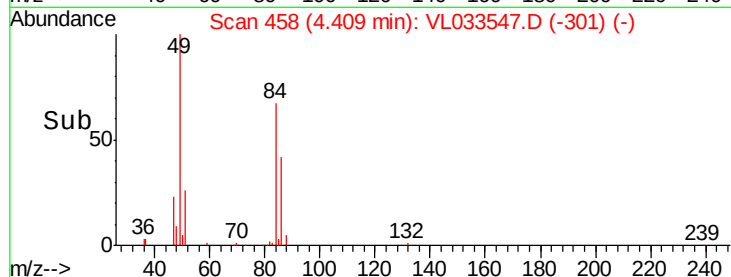
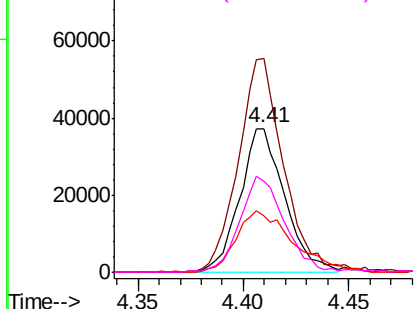
#20
Methylene Chloride
Concen: 0.899 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033547.D
Acq: 5 Apr 2019 00:13

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2DL

Tot Ion: 84 Resp: 55044
Ion Ratio Lower Upper
84 100
49 148.2 120.0 180.0
51 38.9 36.7 55.1
86 62.6 51.9 77.9

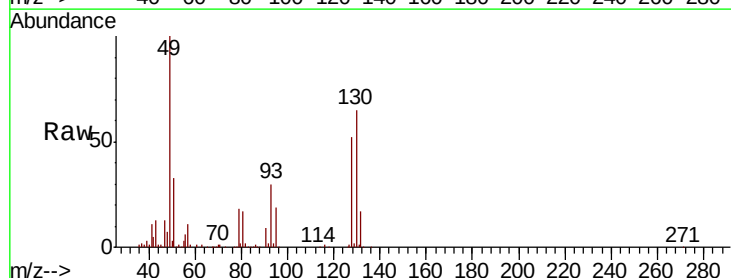


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

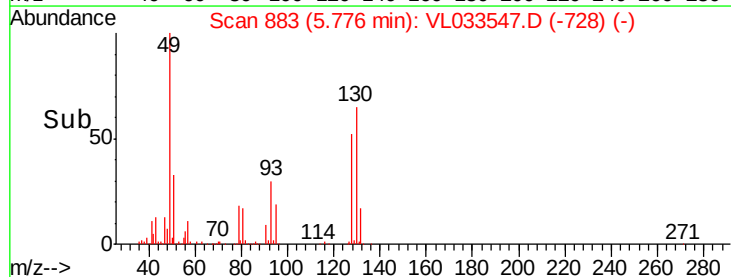
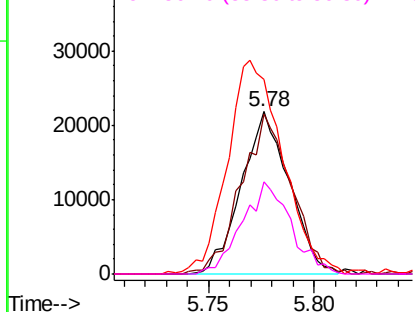


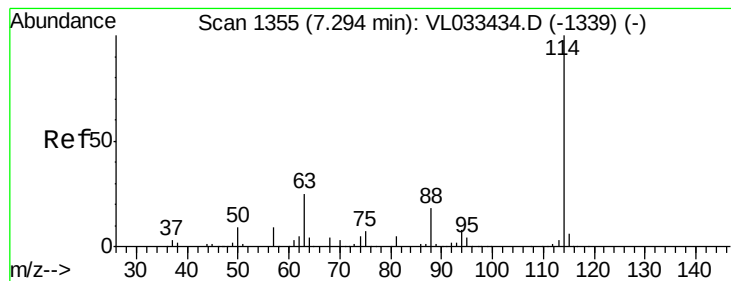
#26
Hexane
Concen: 0.290 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033547.D
Acq: 5 Apr 2019 00:13

Tgt Ion: 57 Resp: 34467
Ion Ratio Lower Upper
57 100
41 104.1 70.7 106.1
43 152.5 182.6 274.0#
56 57.5 42.0 63.0



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: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033547.D

Acq: 5 Apr 2019 00:13

Instrument :

MSVOA_L

ClientSampleId :

LIHA-IA2DL

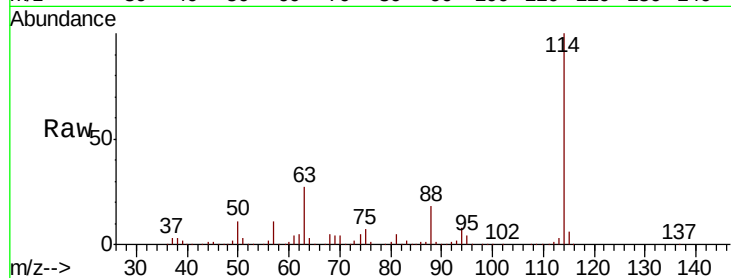
Tot Ion:114 Resp: 2829730

Ion Ratio Lower Upper

114 100

63 26.5 21.5 32.3

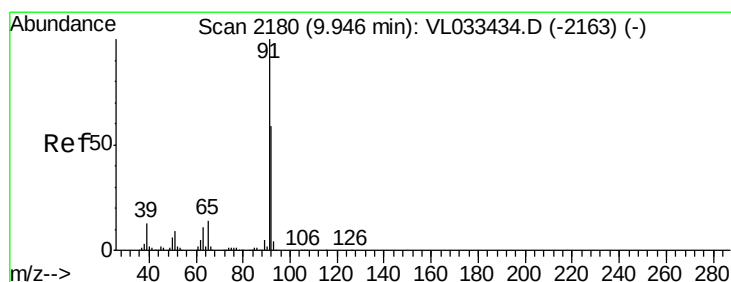
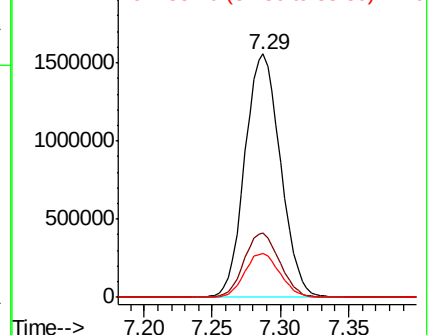
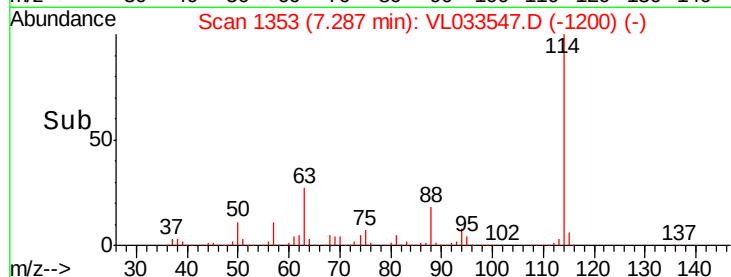
88 18.0 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.615 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033547.D

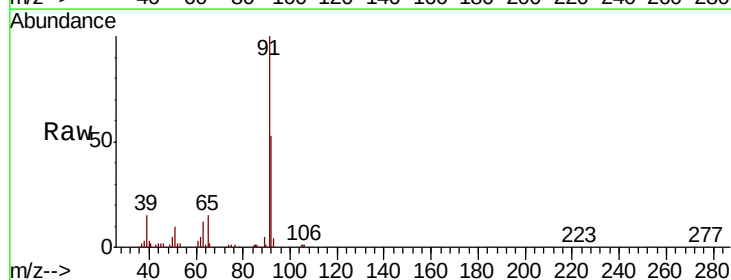
Acq: 5 Apr 2019 00:13

Tgt Ion: 91 Resp: 169800

Ion Ratio Lower Upper

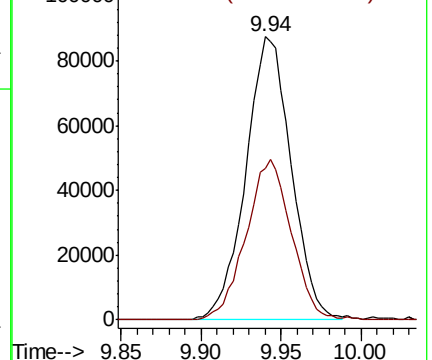
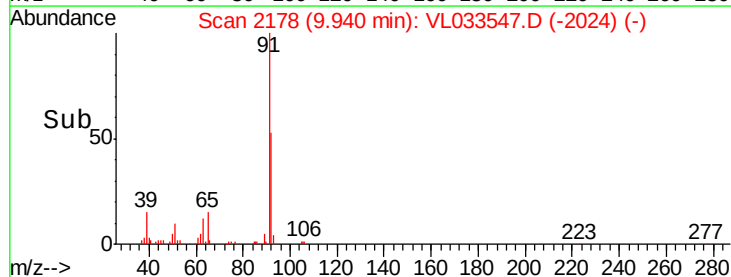
91 100

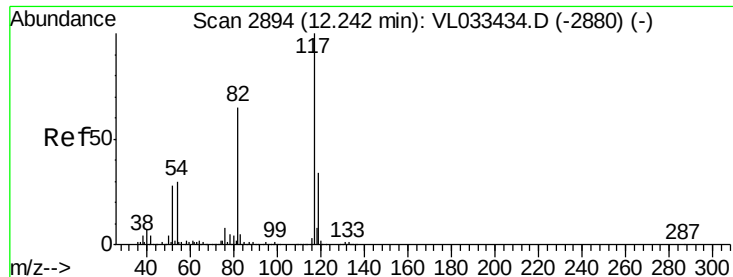
92 56.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

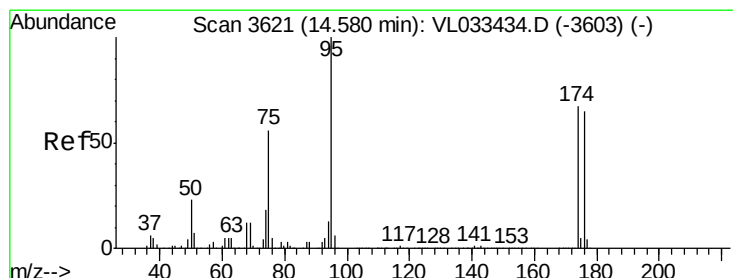
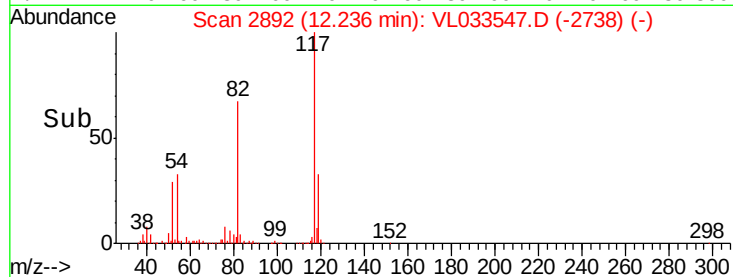
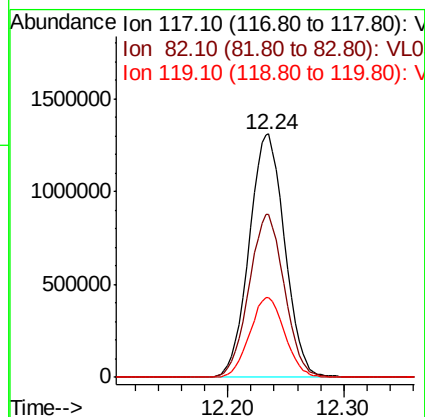
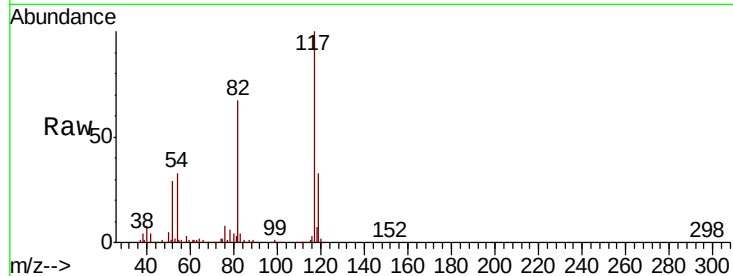




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033547.D
Acq: 5 Apr 2019 00:13

Instrument :
MSVOA_L
ClientSampleId :
LIHA-IA2DL

Tot Ion:117 Resp: 2796410
Ion Ratio Lower Upper
117 100
82 67.2 51.5 77.3
119 32.7 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.002 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033547.D
Acq: 5 Apr 2019 00:13

Tgt Ion: 95 Resp: 2192689
Ion Ratio Lower Upper
95 100
174 66.9 52.9 79.3
175 4.9 3.8 5.6

