

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032410.D
 Acq On : 20 Aug 2018 18:41
 Operator : SY/AP
 Sample : OC080818 CAN 10257
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 21 01:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1746299	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3326223	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3273533	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2476644	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

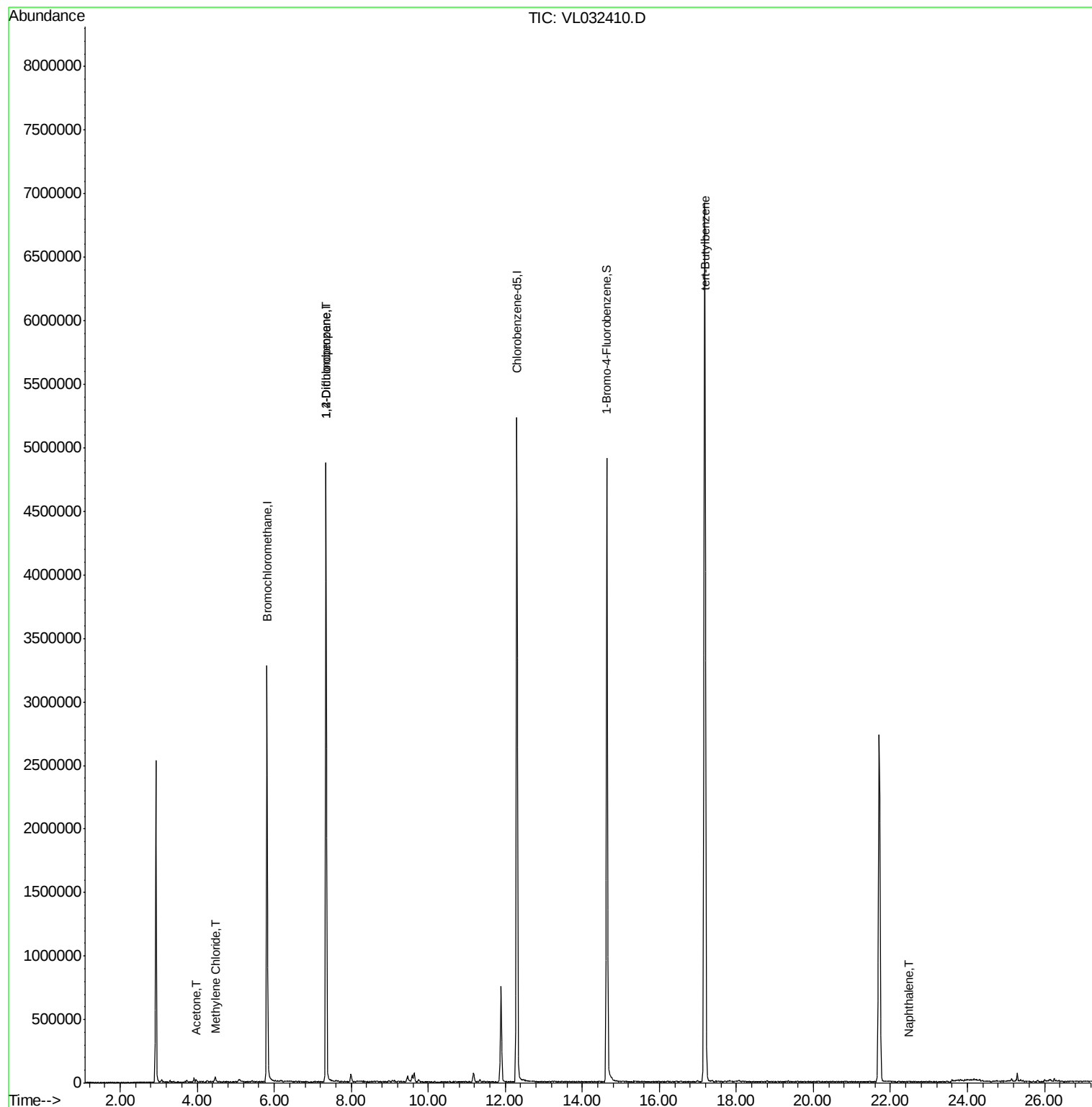
Target Compounds	R.T.	QIon	Response	Ovalue
2) Dichlorodifluoromethane	3.12	85	255	Below Cal # 57
15) Acetone	3.97	43	19048	0.115 ppbv # 86
20) Methylene Chloride	4.46	84	8228	0.131 ppbv # 79
39) 1,2-Dichloropropane	7.35	63	917220	7.787 ppbv # 26
65) tert-Butylbenzene	17.17	119	74965	0.187 ppbv # 24
79) Naphthalene	22.48	128	624	0.329 ppbv # 87

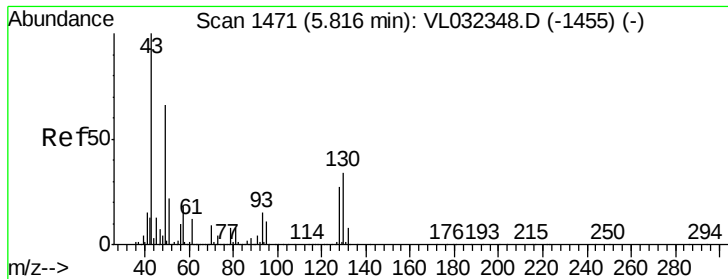
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032410.D

Acq: 20 Aug 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

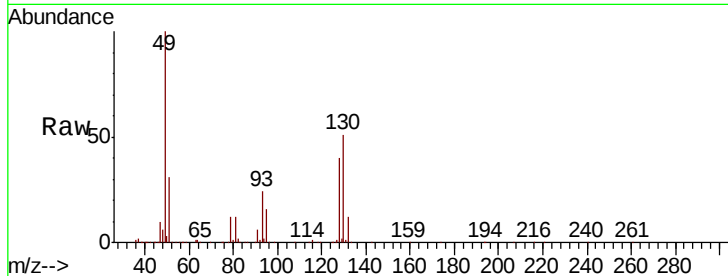
Tot Ion: 49 Resp: 1746299

Ion Ratio Lower Upper

49 100

128 41.4 20.5 61.6

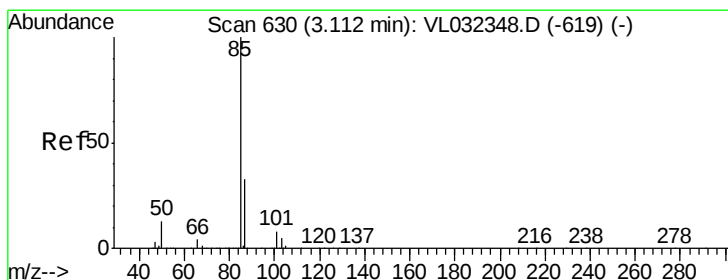
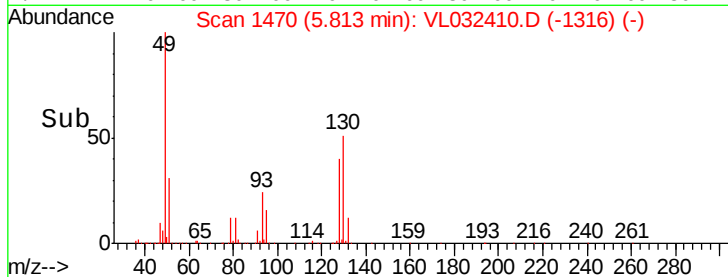
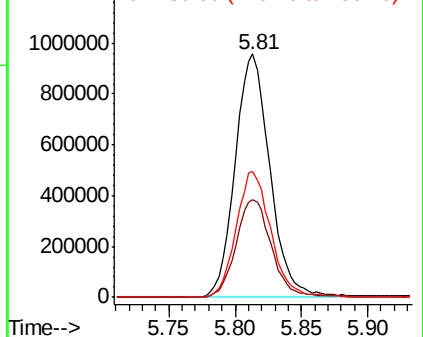
130 52.1 26.2 78.5



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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL032410.D

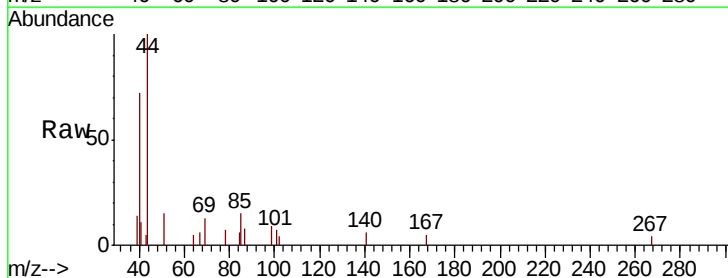
Acq: 20 Aug 2018 18:41

Tgt Ion: 85 Resp: 255

Ion Ratio Lower Upper

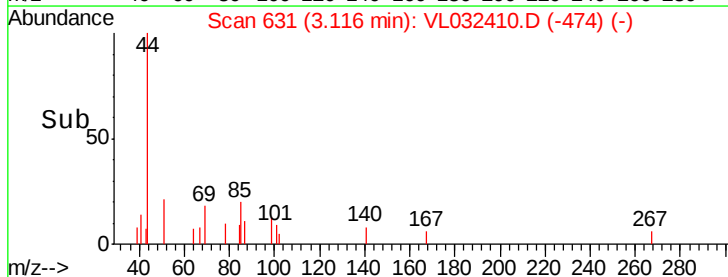
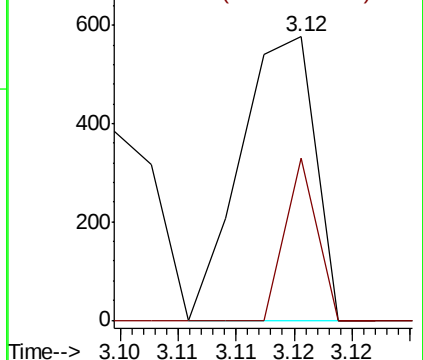
85 100

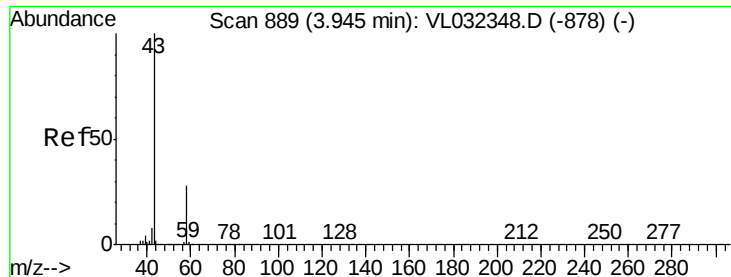
87 57.0 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#15

Acetone

Concen: 0.115 ppbv

RT: 3.97 min Scan# 898

Delta R.T. 0.03 min

Lab File: VL032410.D

Acq: 20 Aug 2018 18:41

Instrument :

MSVOA_L

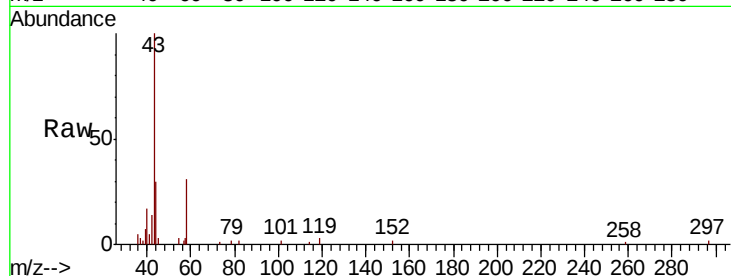
ClientSampleId :

Tot Ion: 43 Resp: 19048

Ion Ratio Lower Upper

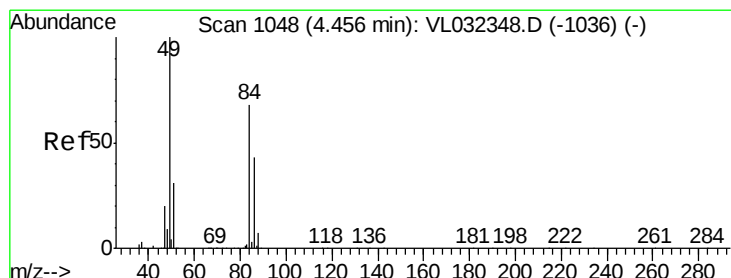
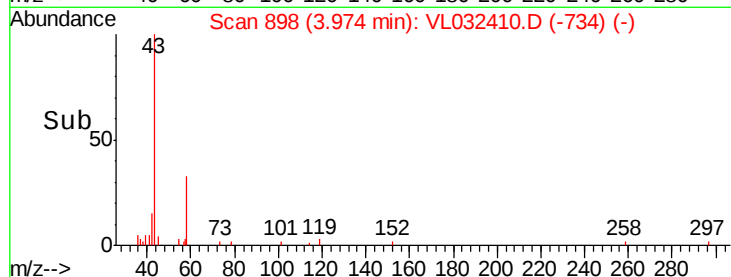
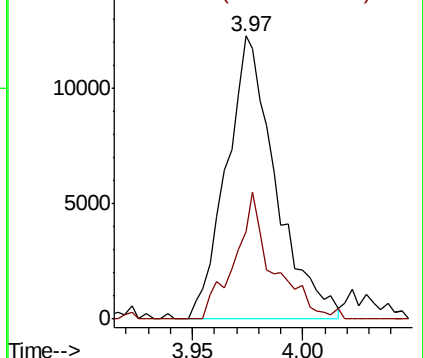
43 100

58 35.2 22.4 33.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.131 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VL032410.D

Acq: 20 Aug 2018 18:41

Tgt Ion: 84 Resp: 8228

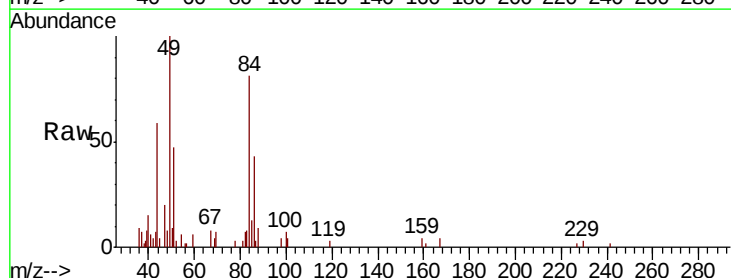
Ion Ratio Lower Upper

84 100

49 110.5 117.3 175.9#

51 55.8 36.6 55.0#

86 56.6 49.8 74.8

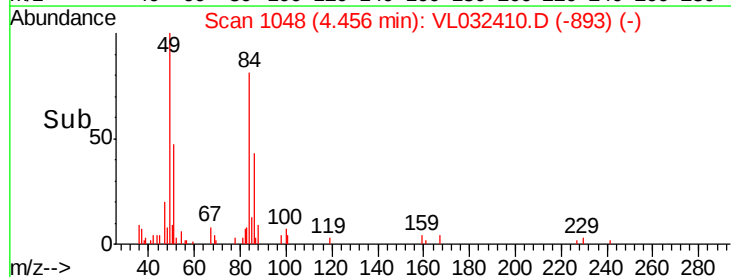
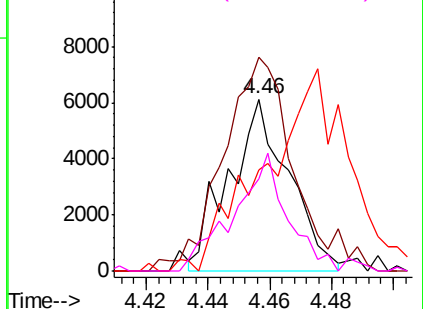


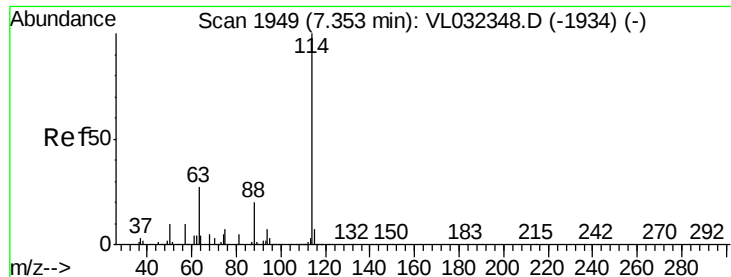
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

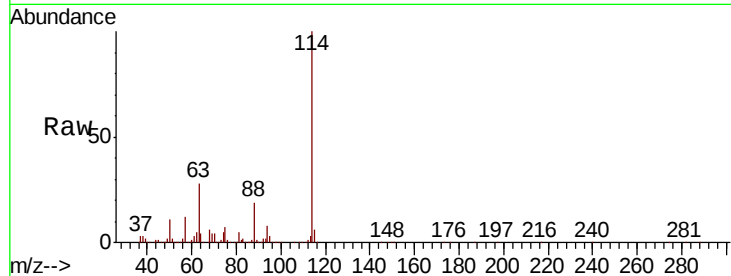




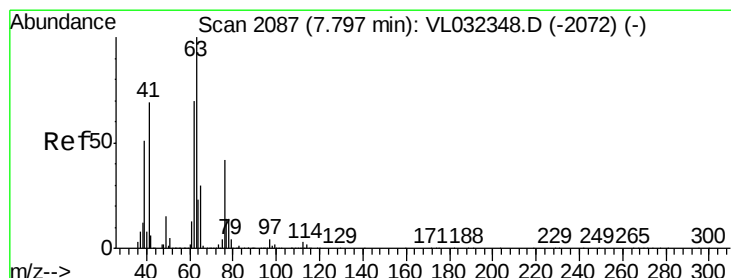
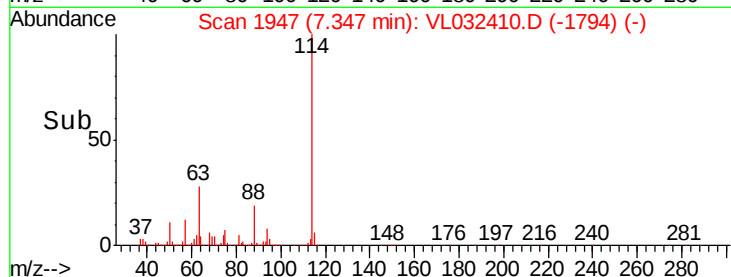
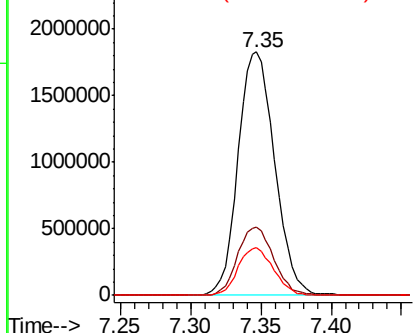
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.35 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: VL032410.D
 Acq: 20 Aug 2018 18:41

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3326223
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.0 33.0
 88 19.1 15.3 22.9

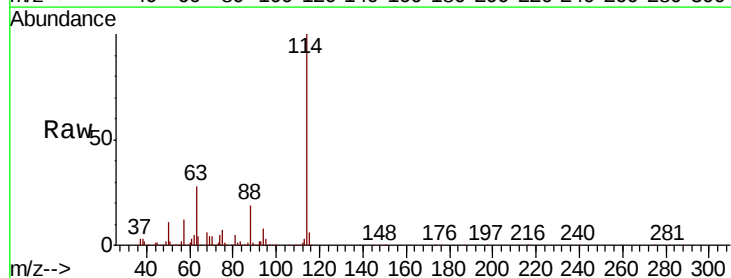


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

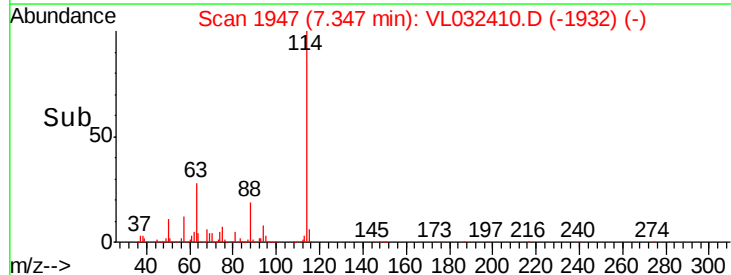
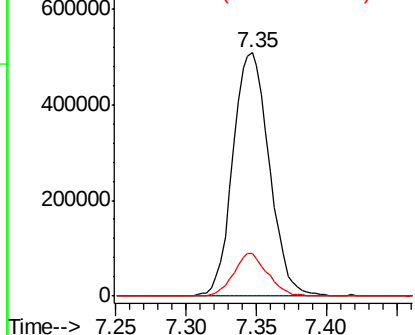


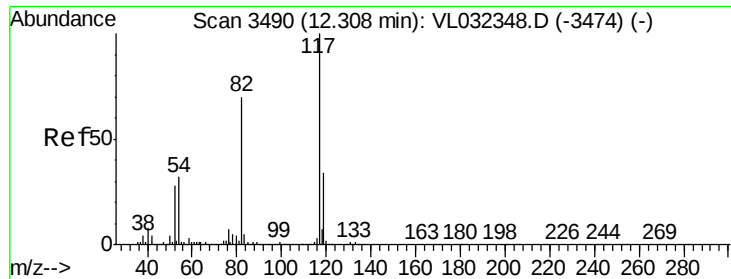
#39
 1,2-Dichloropropane
 Concen: 7.787 ppbv
 RT: 7.35 min Scan# 1947
 Delta R.T. -0.45 min
 Lab File: VL032410.D
 Acq: 20 Aug 2018 18:41

Tgt Ion: 63 Resp: 917220
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.5 83.3#
 62 17.8 56.3 84.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

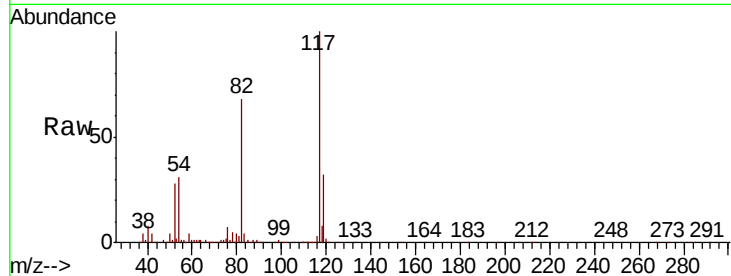




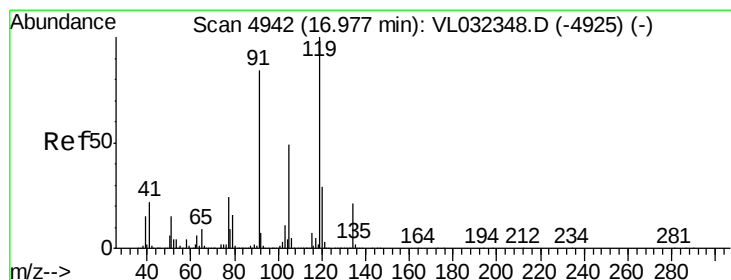
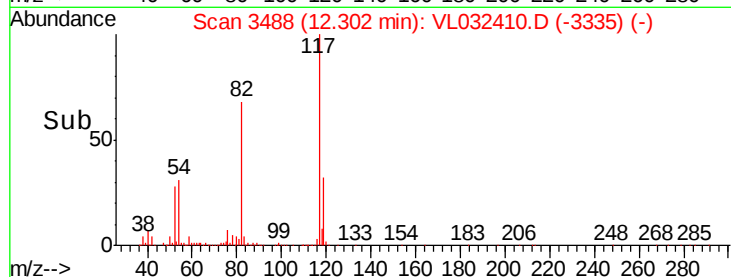
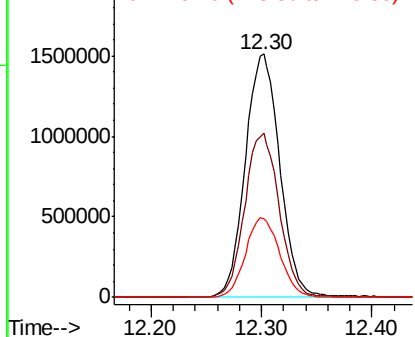
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3488
Delta R.T. -0.01 min
Lab File: VL032410.D
Acq: 20 Aug 2018 18:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3273533
Ion Ratio Lower Upper
117 100
82 68.0 55.1 82.7
119 32.7 46.0 69.0#

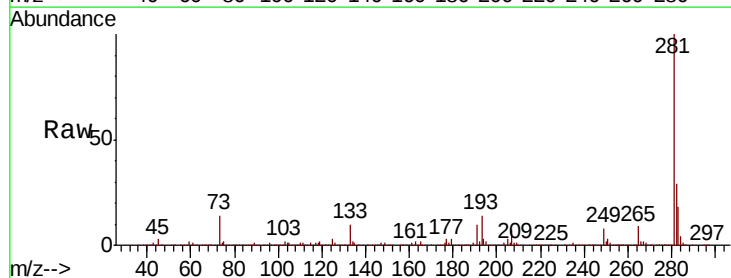


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

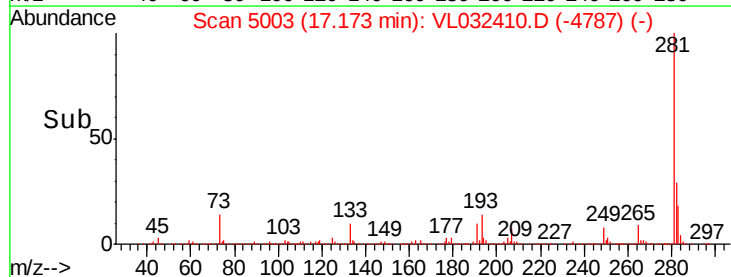
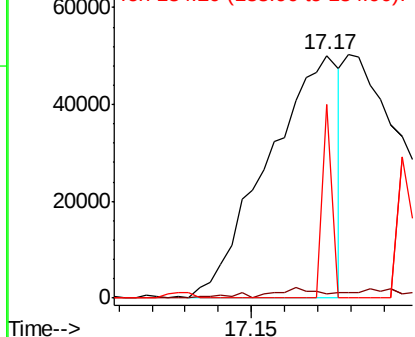


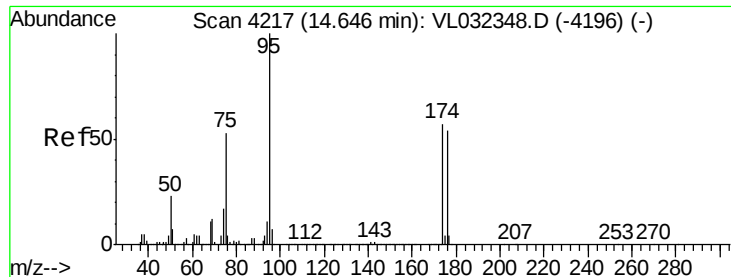
#65
tert-Butylbenzene
Concen: 0.187 ppbv
RT: 17.17 min Scan# 5003
Delta R.T. 0.20 min
Lab File: VL032410.D
Acq: 20 Aug 2018 18:41

Tgt Ion:119 Resp: 74965
Ion Ratio Lower Upper
119 100
91 4.0 67.4 101.0#
134 10.3 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

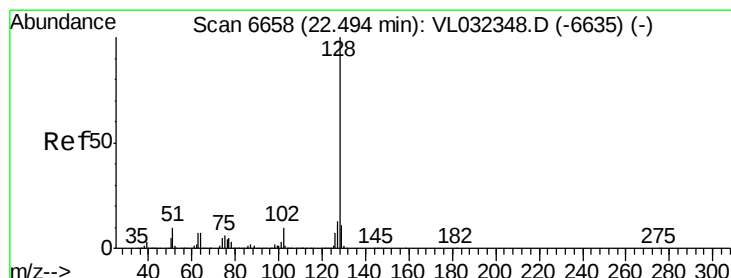
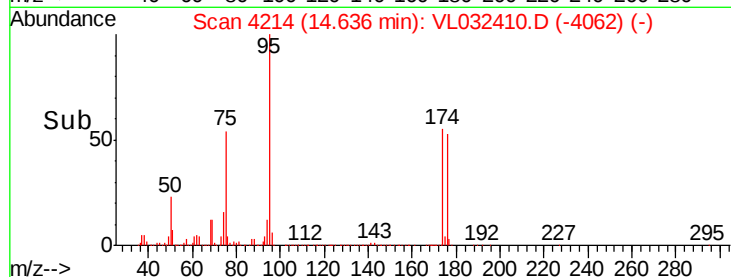
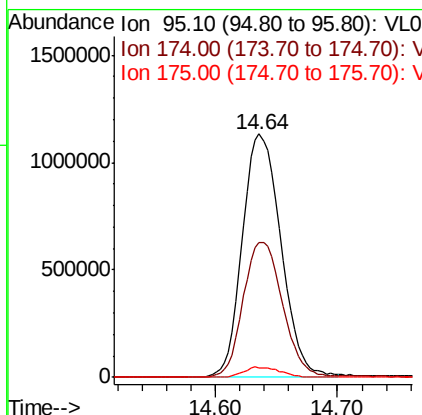
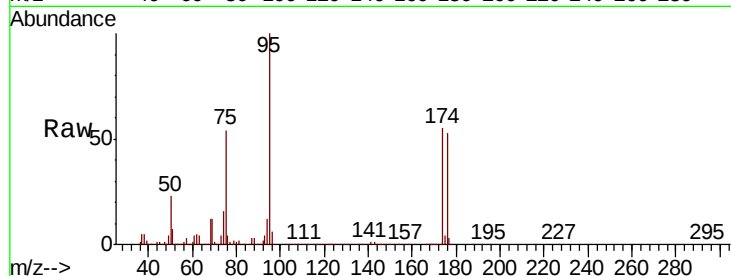




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.917 ppbv
 RT: 14.64 min Scan# 4214
 Delta R.T. -0.01 min
 Lab File: VL032410.D
 Acq: 20 Aug 2018 18:41

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2476644
 Ion Ratio Lower Upper
 95 100
 174 57.8 46.2 69.4
 175 4.1 3.4 5.0



#79
 Naphthalene
 Concen: 0.329 ppbv
 RT: 22.48 min Scan# 6654
 Delta R.T. -0.01 min
 Lab File: VL032410.D
 Acq: 20 Aug 2018 18:41

Tgt Ion: 128 Resp: 624
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.3 15.5
 129 18.8 8.6 13.0#

