

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\
 Data File : VL034036.D
 Acq On : 17 Jul 2019 17:15
 Operator : SY/AP
 Sample : VL0717ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 18 04:38:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1124204	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	2903898	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2909898	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2290628	9.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.30%

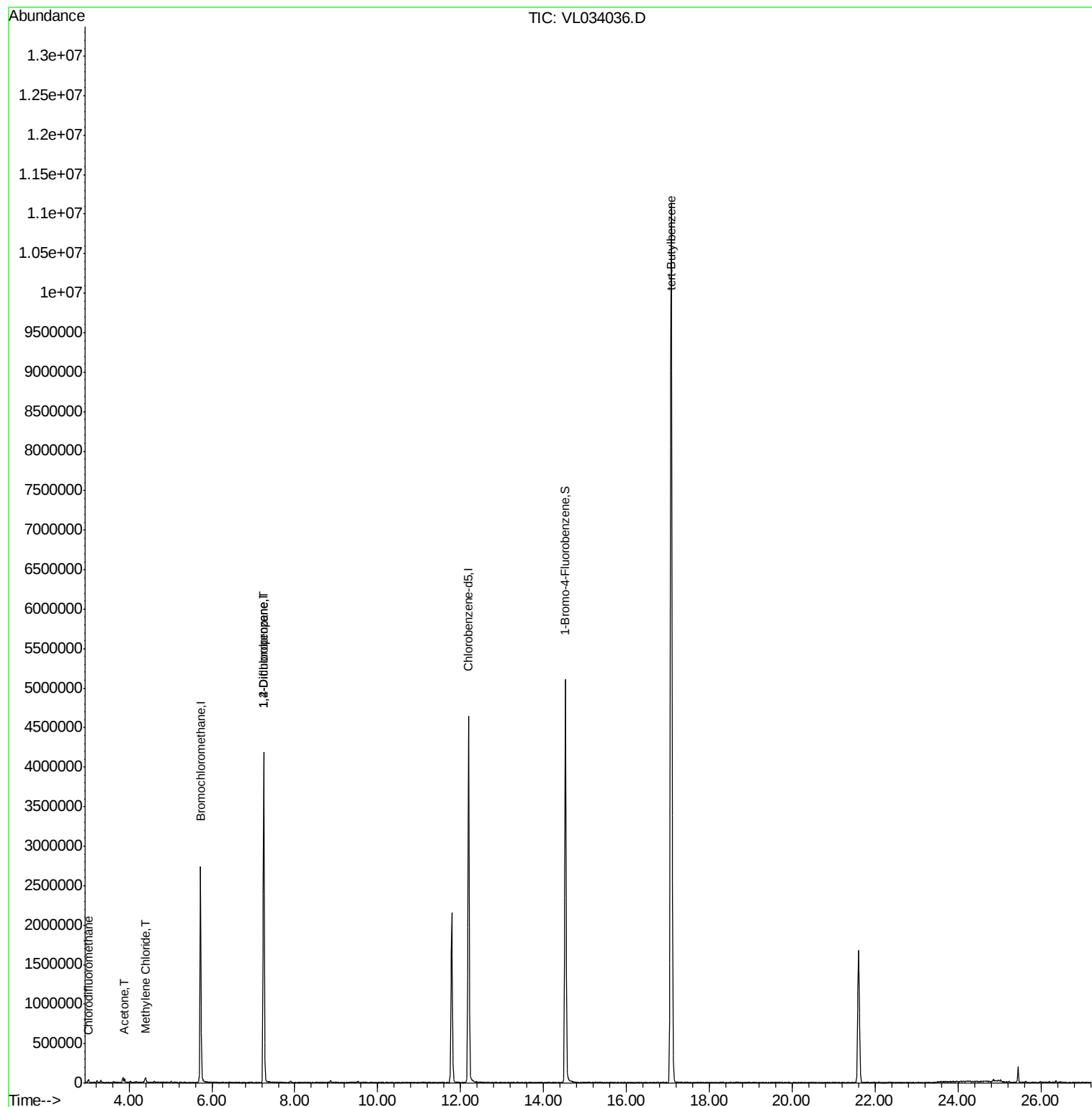
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	5361	0.039	ppbv #	83
15) Acetone	3.89	43	49027	0.259	ppbv	90
20) Methylene Chloride	4.38	84	10590	0.128	ppbv #	89
39) 1,2-Dichloropropane	7.25	63	727010	8.604	ppbv #	23
65) tert-Butylbenzene	17.06	119	56129	0.135	ppbv #	23

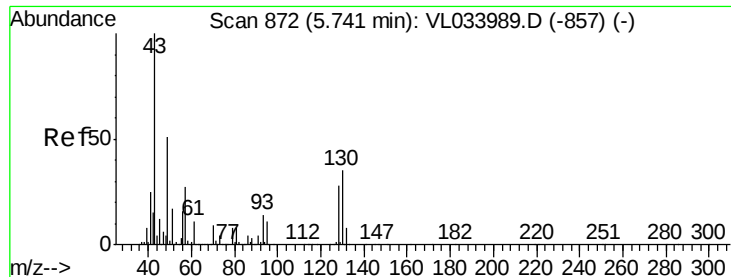
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 867

Delta R.T. -0.02 min

Lab File: VL034036.D

Acq: 17 Jul 2019 17:15

Instrument :
MSVOA_L
ClientSampleId :

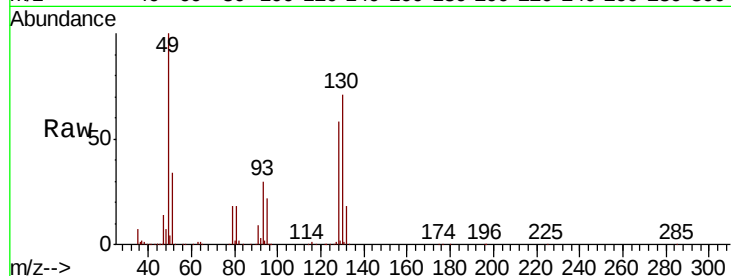
Tot Ion: 49 Resp: 1124204

Ion Ratio Lower Upper

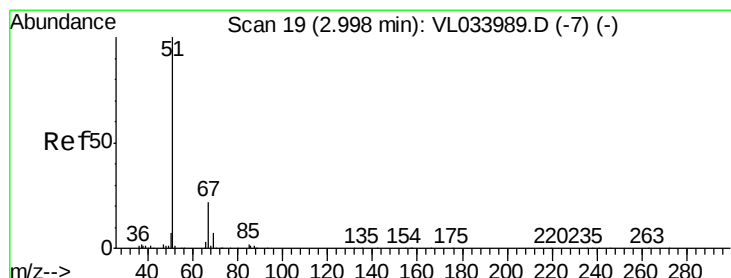
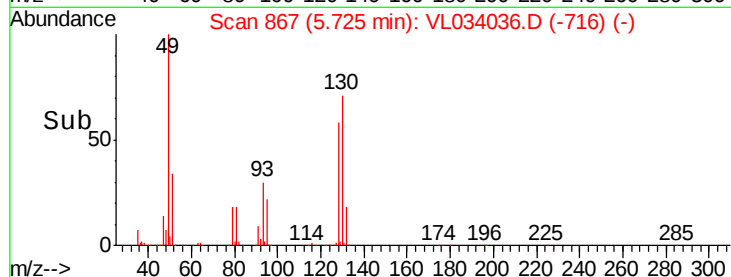
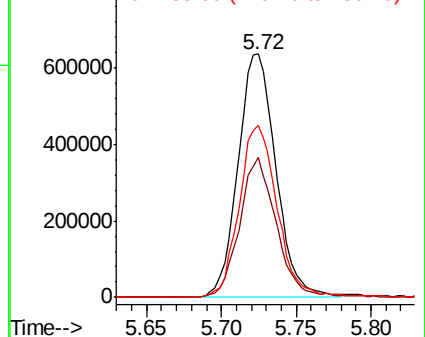
49 100

128 56.1 27.9 83.6

130 71.6 35.8 107.4



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



#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.00 min Scan# 21

Delta R.T. 0.01 min

Lab File: VL034036.D

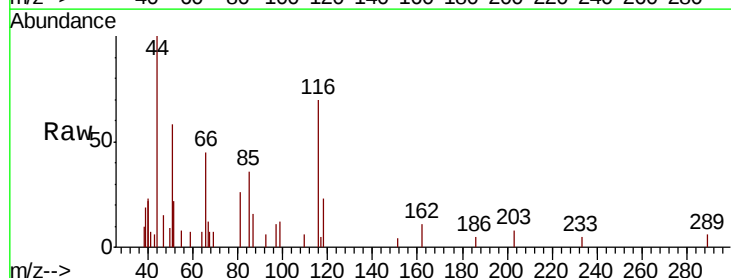
Acq: 17 Jul 2019 17:15

Tgt Ion: 51 Resp: 5361

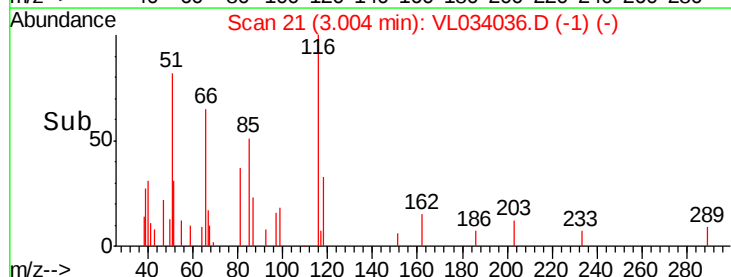
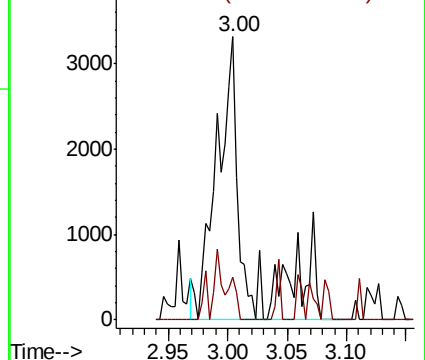
Ion Ratio Lower Upper

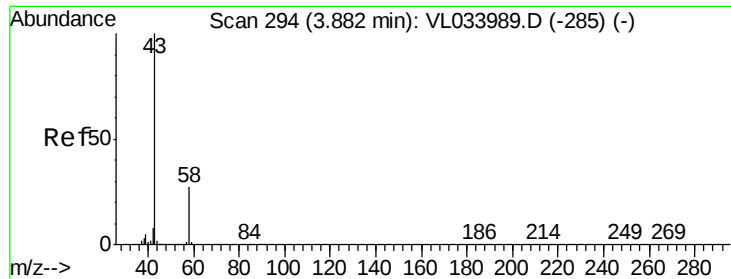
51 100

67 13.8 17.3 25.9#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0

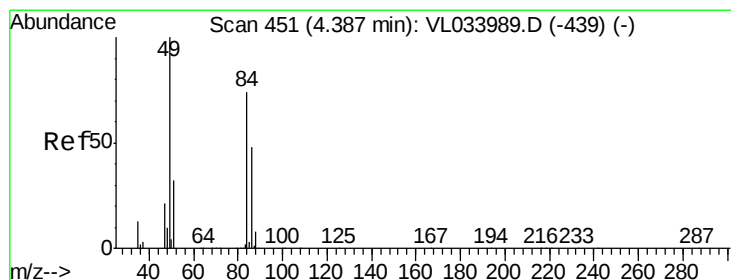
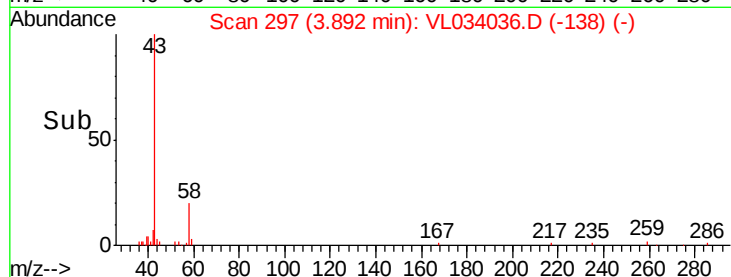
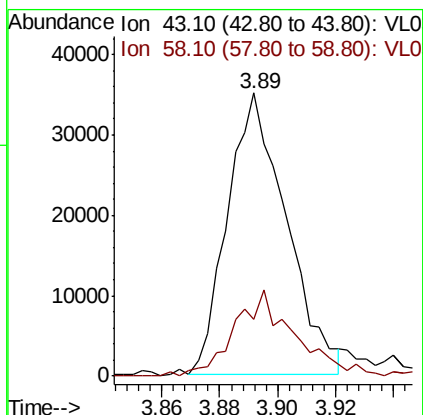
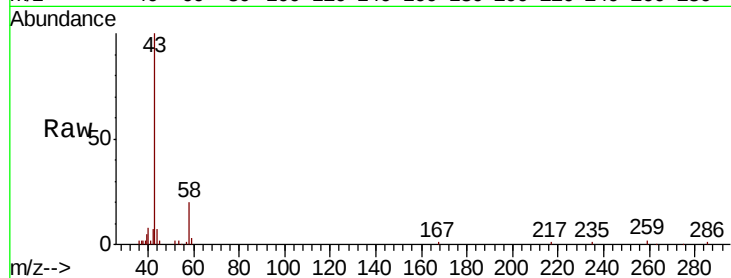




#15
Acetone
Concen: 0.259 ppbv
RT: 3.89 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL034036.D
Acq: 17 Jul 2019 17:15

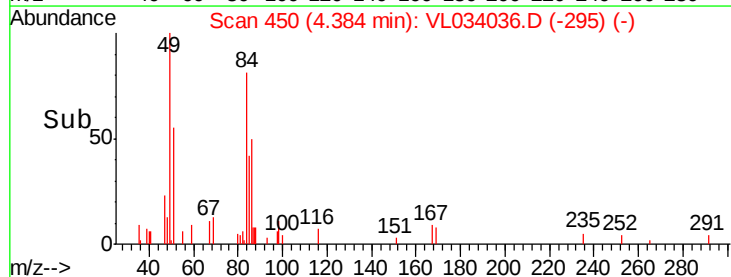
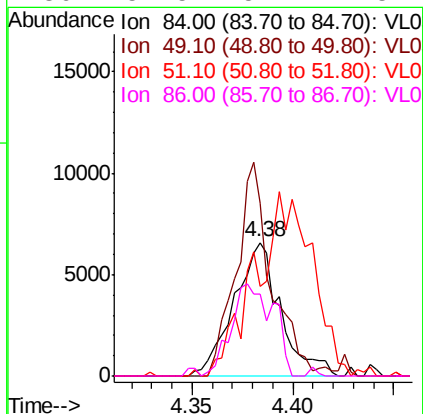
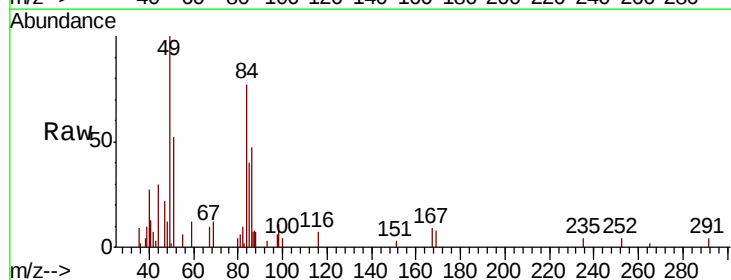
Instrument :
MSVOA_L
ClientSampleId :

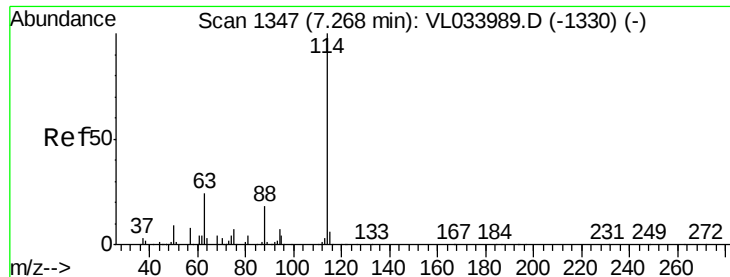
Tot Ion: 43 Resp: 49027
Ion Ratio Lower Upper
43 100
58 31.8 21.4 32.0



#20
Methylene Chloride
Concen: 0.128 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.00 min
Lab File: VL034036.D
Acq: 17 Jul 2019 17:15

Tgt Ion: 84 Resp: 10590
Ion Ratio Lower Upper
84 100
49 129.5 107.6 161.4
51 67.3 35.0 52.6#
86 57.5 52.1 78.1

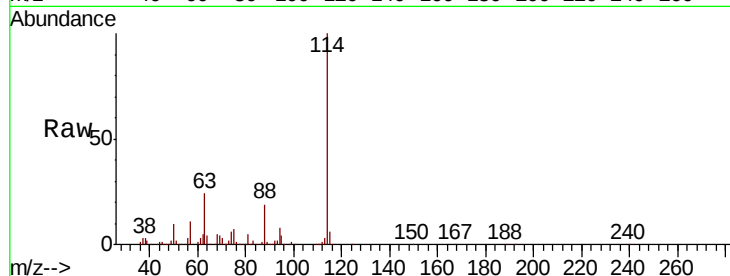




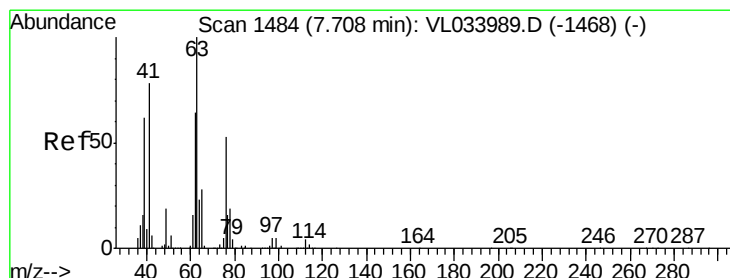
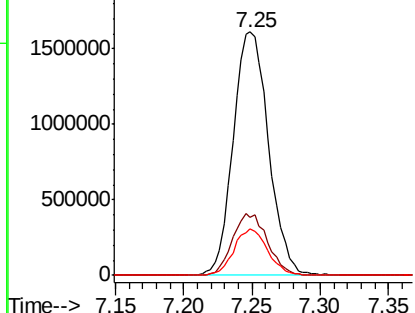
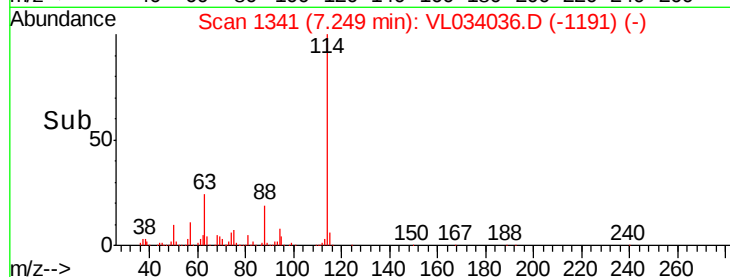
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: VL034036.D
 Acq: 17 Jul 2019 17:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2903898
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.2 30.2
 88 18.3 14.1 21.1

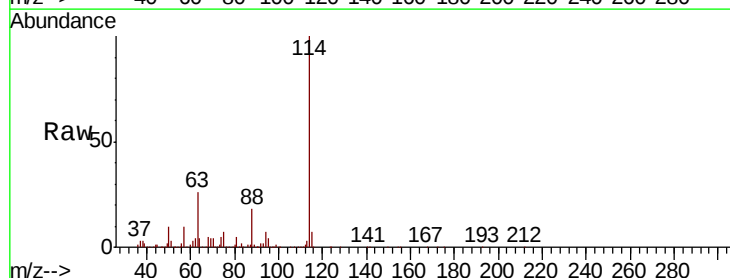


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

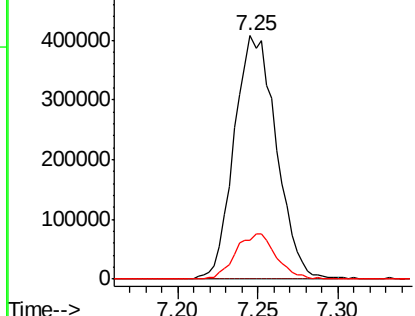
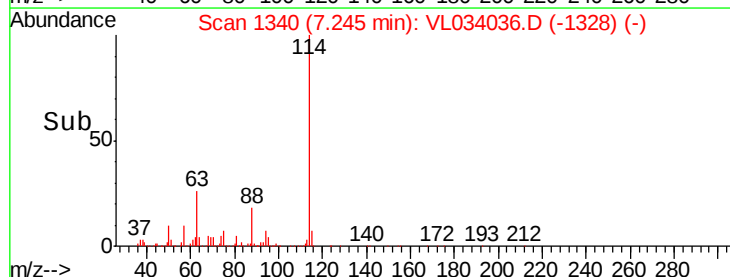


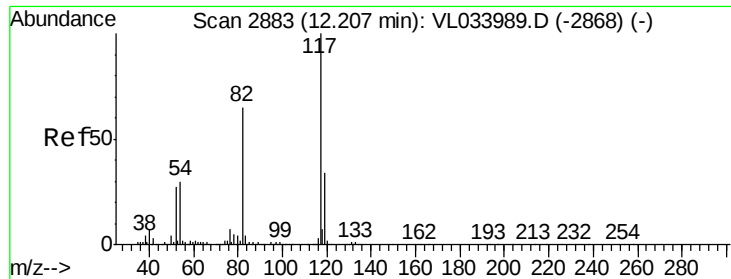
#39
 1,2-Dichloropropane
 Concen: 8.604 ppbv
 RT: 7.25 min Scan# 1340
 Delta R.T. -0.46 min
 Lab File: VL034036.D
 Acq: 17 Jul 2019 17:15

Tgt Ion: 63 Resp: 727010
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.3 93.5#
 62 16.2 51.4 77.2#



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

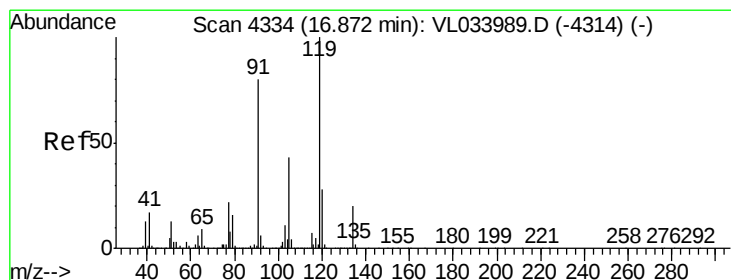
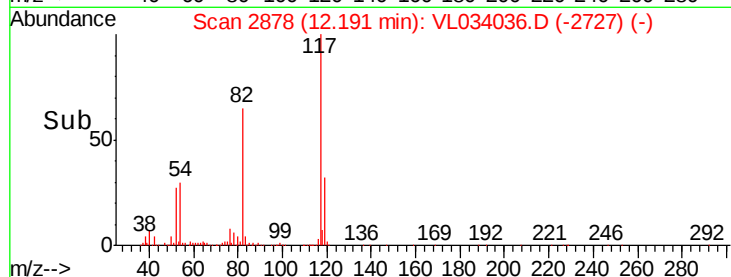
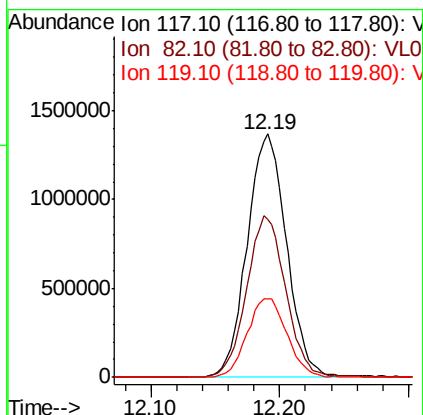
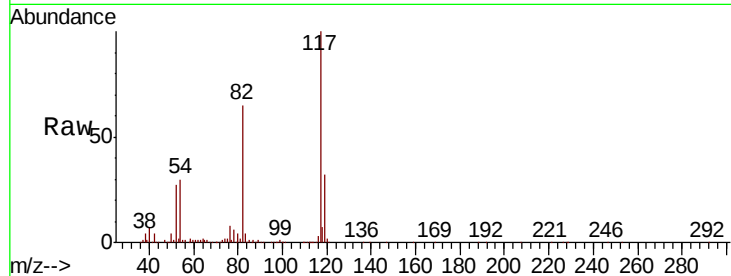




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034036.D
Acq: 17 Jul 2019 17:15

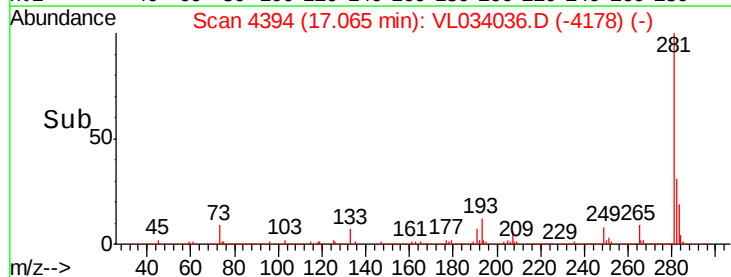
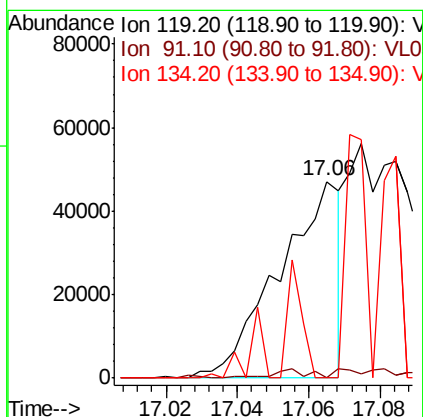
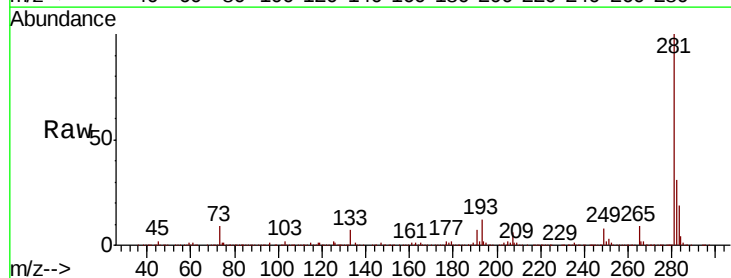
Instrument :
MSVOA_L
ClientSampleId :

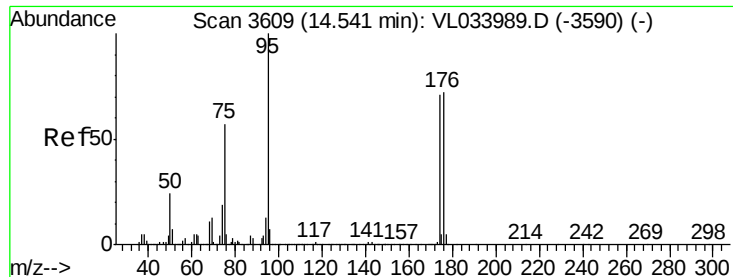
Tot Ion:117 Resp: 2909898
Ion Ratio Lower Upper
117 100
82 66.4 50.8 76.2
119 33.0 24.0 36.0



#65
tert-Butylbenzene
Concen: 0.135 ppbv
RT: 17.06 min Scan# 4394
Delta R.T. 0.19 min
Lab File: VL034036.D
Acq: 17 Jul 2019 17:15

Tgt Ion:119 Resp: 56129
Ion Ratio Lower Upper
119 100
91 6.5 67.0 100.6#
134 0.0 15.8 23.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.230 ppbv

RT: 14.53 min Scan# 3605

Delta R.T. -0.01 min

Lab File: VL034036.D

Acq: 17 Jul 2019 17:15

Instrument :

MSVOA_L

ClientSampleId :

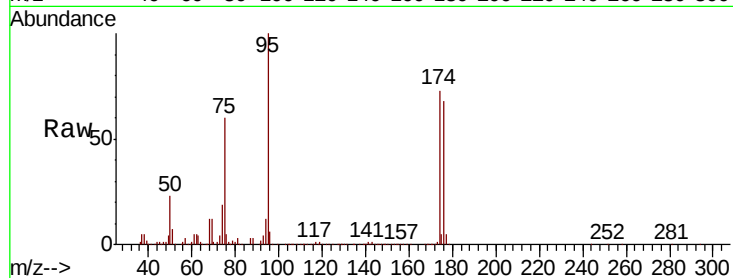
Tot Ion: 95 Resp: 2290628

Ion Ratio Lower Upper

95 100

174 72.9 60.5 90.7

175 5.2 4.0 6.0



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

