

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032454.D
 Acq On : 5 Sep 2018 12:43
 Operator : SY/AP
 Sample : VL0905ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABL01

Quant Time: Sep 06 04:58:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1604821	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3243906	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3121201	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2364737	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

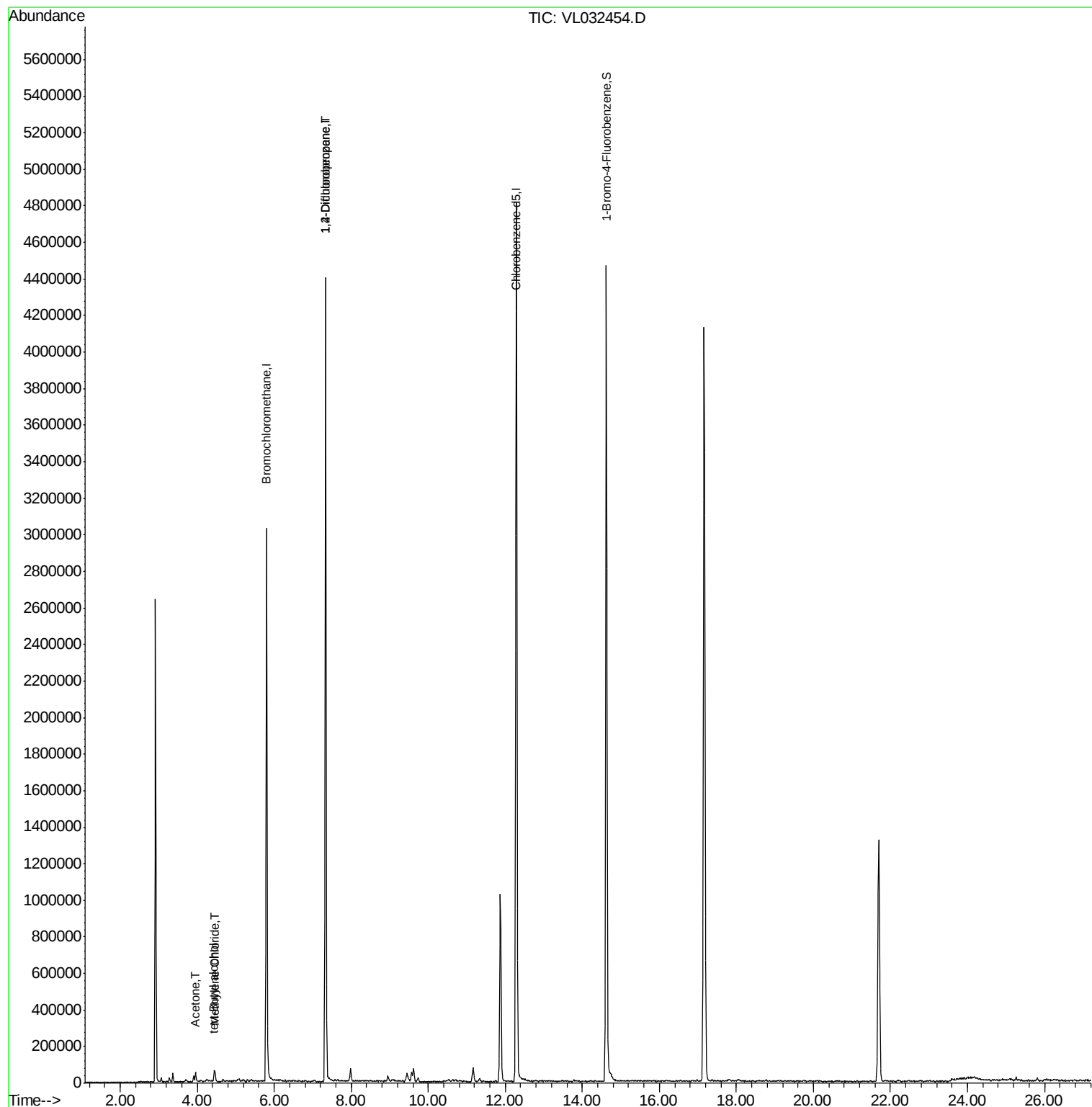
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.95	43	52846	0.366	ppbv	91
17) tert-Butyl alcohol	4.41	59	1530	0.069	ppbv #	100
20) Methylene Chloride	4.45	84	14646	0.266	ppbv	90
39) 1,2-Dichloropropane	7.33	63	862175	7.300	ppbv #	26

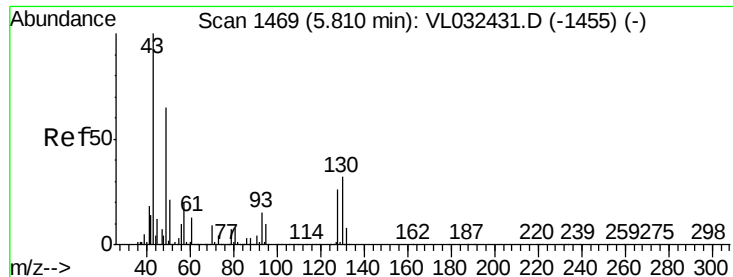
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

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MSVOA_L

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VL0905ABL01

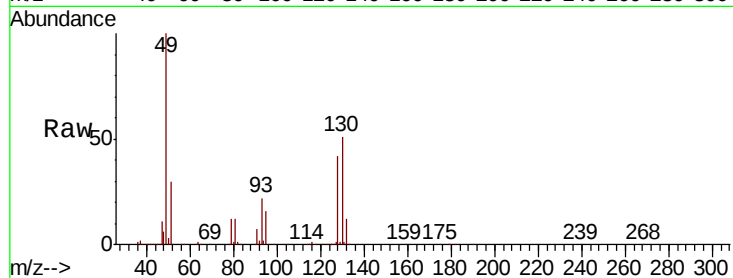
Tgt Ion: 49 Resp: 1604821

Ion Ratio Lower Upper

49 100

128 42.3 20.7 62.1

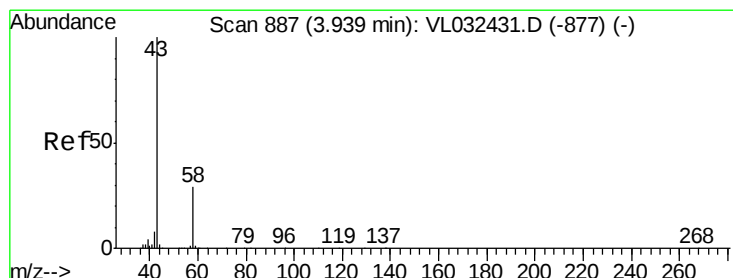
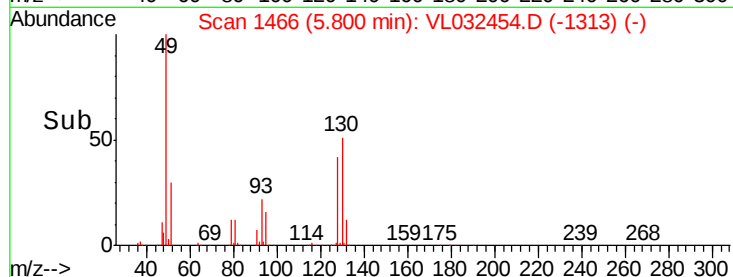
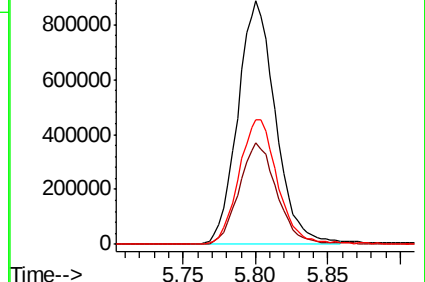
130 53.3 26.6 79.7



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



#15

Acetone

Concen: 0.366 ppbv

RT: 3.95 min Scan# 892

Delta R.T. 0.02 min

Lab File: VL032454.D

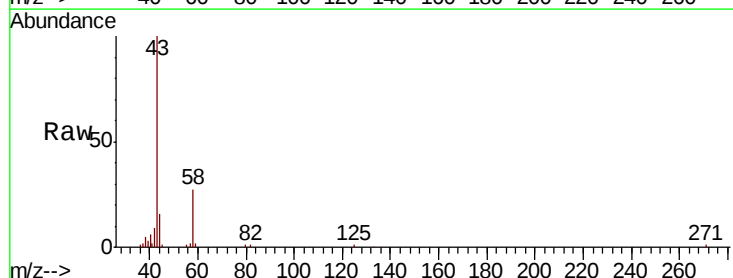
Acq: 5 Sep 2018 12:43

Tgt Ion: 43 Resp: 52846

Ion Ratio Lower Upper

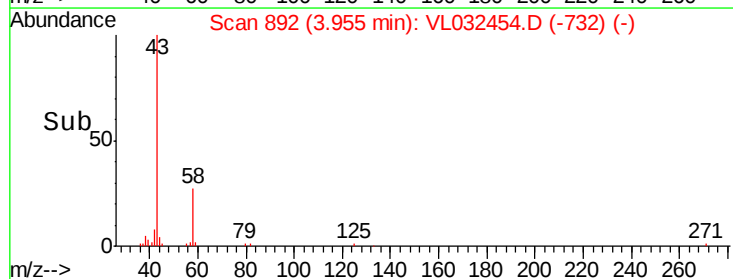
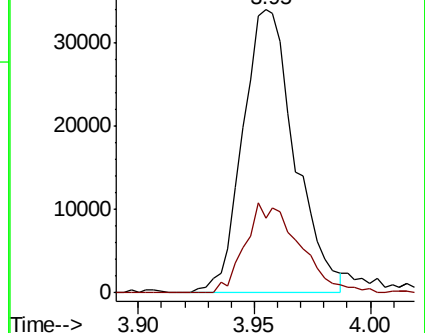
43 100

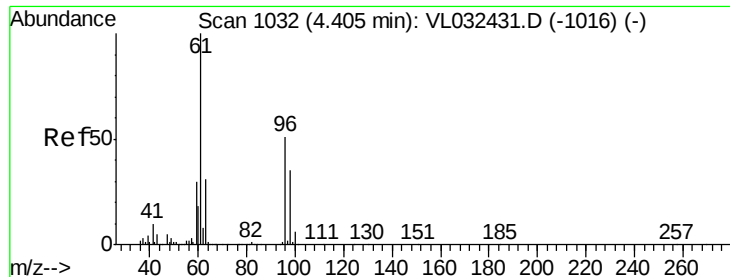
58 33.1 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 0.069 ppbv

RT: 4.41 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VL032454.D

Acq: 5 Sep 2018 12:43

Instrument :

MSVOA_L

ClientSampleId :

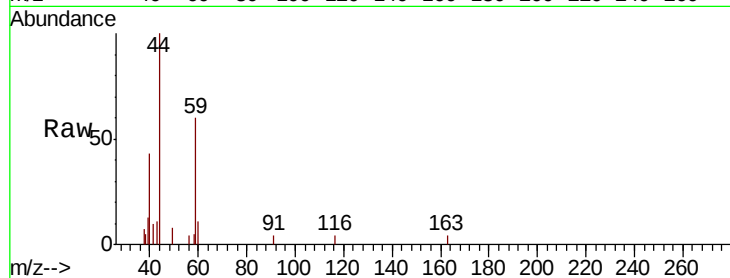
VL0905ABL01

Tgt Ion: 59 Resp: 1530

Ion Ratio Lower Upper

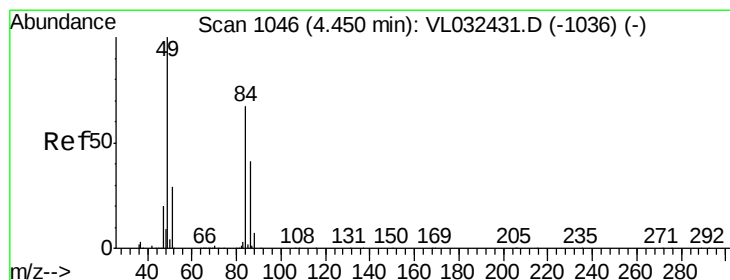
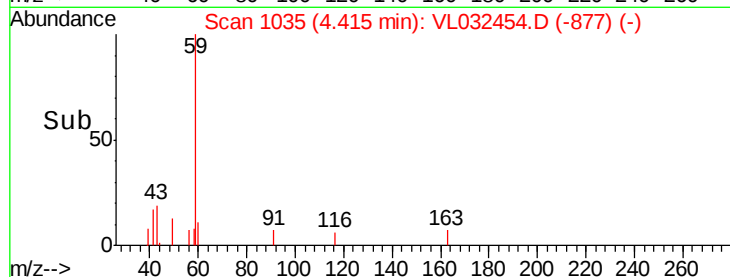
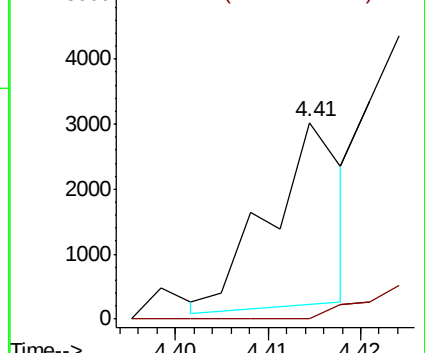
59 100

57 0.0 0.0 0.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#20

Methylene Chloride

Concen: 0.266 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VL032454.D

Acq: 5 Sep 2018 12:43

Tgt Ion: 84 Resp: 14646

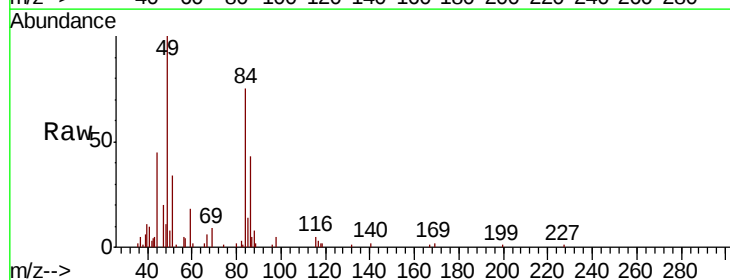
Ion Ratio Lower Upper

84 100

49 130.2 119.1 178.7

51 45.4 35.2 52.8

86 63.6 49.4 74.2

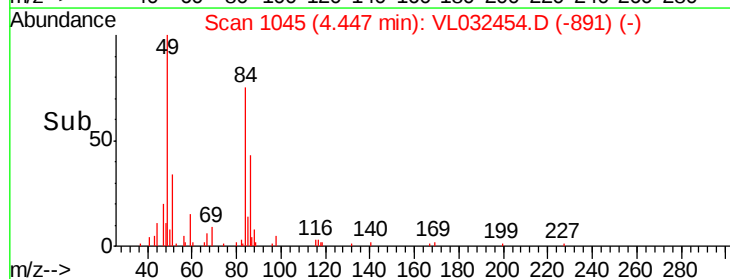
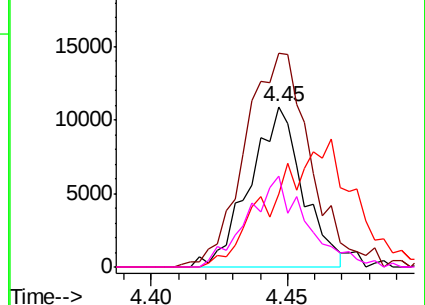


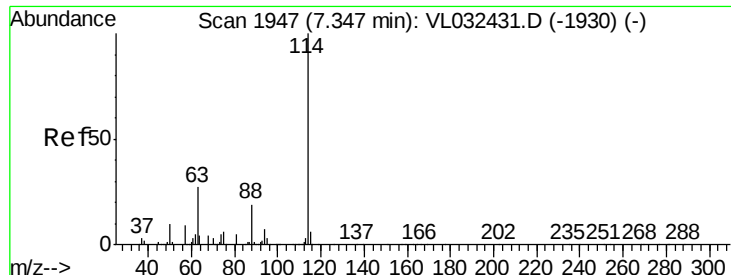
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

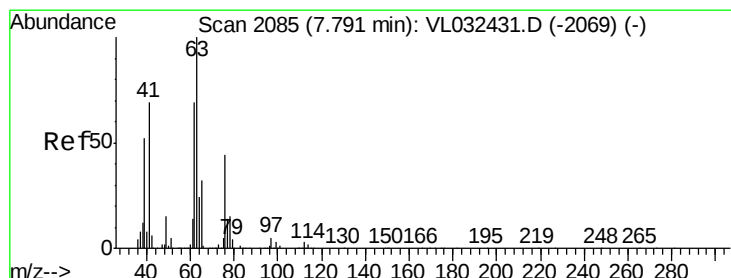
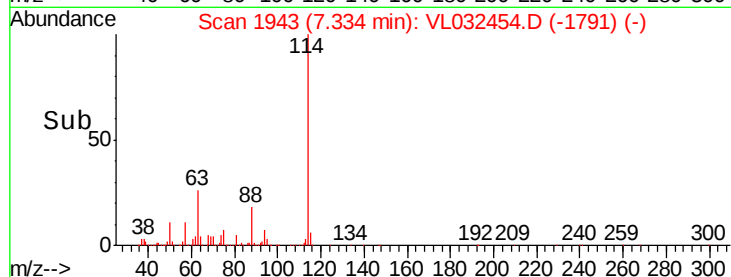
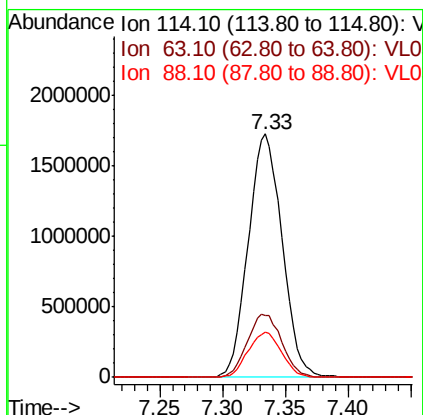
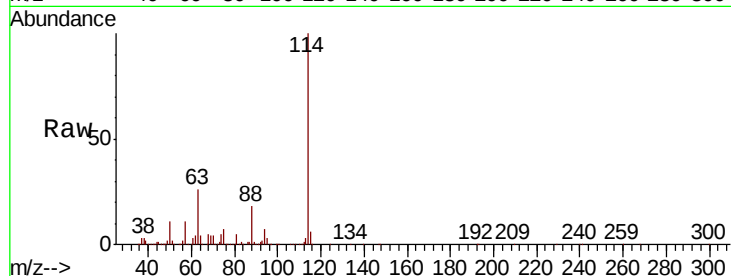




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VL032454.D
 Acq: 5 Sep 2018 12:43

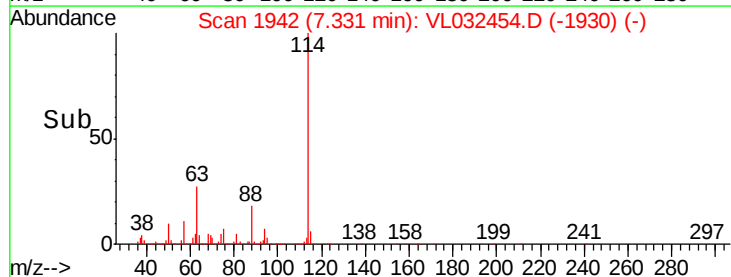
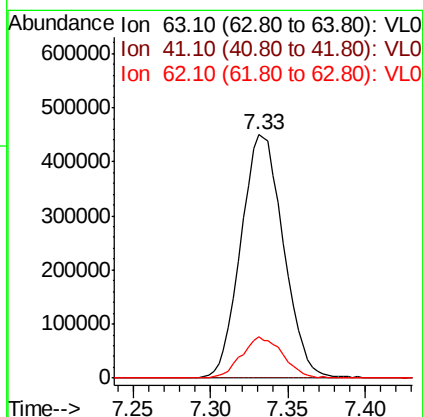
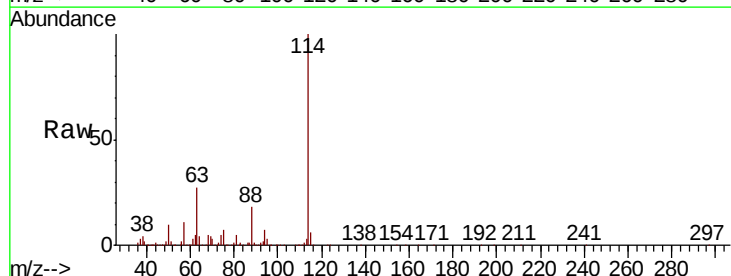
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABL01

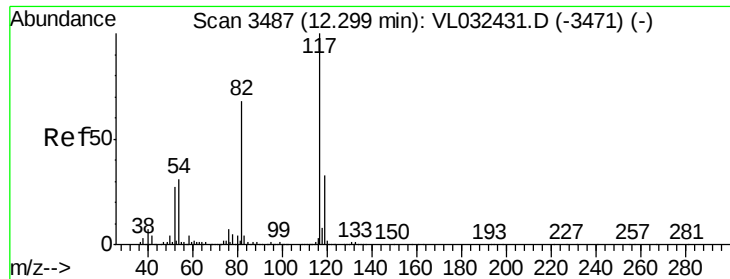
Tgt Ion: 114 Resp: 3243906
 Ion Ratio Lower Upper
 114 100
 63 26.8 22.2 33.4
 88 18.5 15.0 22.4



#39
 1,2-Dichloropropane
 Concen: 7.300 ppbv
 RT: 7.33 min Scan# 1942
 Delta R.T. -0.46 min
 Lab File: VL032454.D
 Acq: 5 Sep 2018 12:43

Tgt Ion: 63 Resp: 862175
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.4 83.0#
 62 17.0 55.4 83.0#

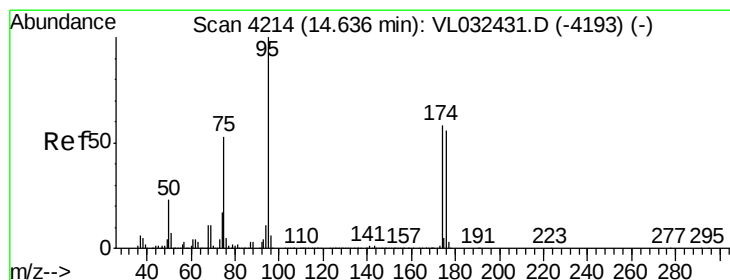
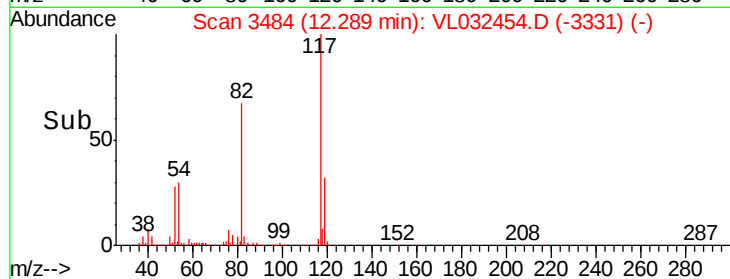
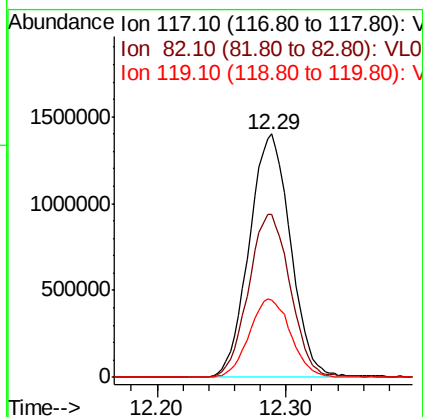
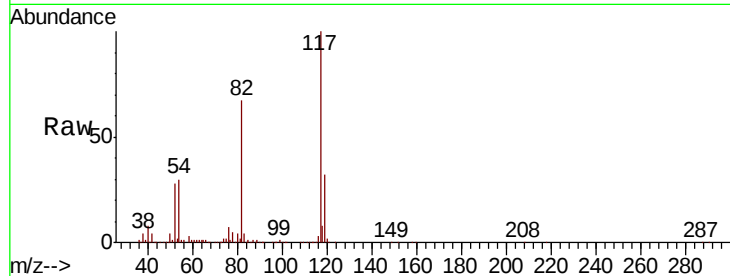




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3484
Delta R.T. -0.01 min
Lab File: VL032454.D
Acq: 5 Sep 2018 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL0905ABL01

Tgt Ion: 117 Resp: 3121201
Ion Ratio Lower Upper
117 100
82 68.4 53.0 79.6
119 32.5 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.205 ppbv
RT: 14.63 min Scan# 4211
Delta R.T. -0.01 min
Lab File: VL032454.D
Acq: 5 Sep 2018 12:43

Tgt Ion: 95 Resp: 2364737
Ion Ratio Lower Upper
95 100
174 59.0 46.3 69.5
175 4.4 3.4 5.0

