

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032411.D
 Acq On : 20 Aug 2018 19:22
 Operator : SY/AP
 Sample : OC081418 CAN 10298
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 21 01:42:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1709024	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3246857	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3170076	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2377793	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

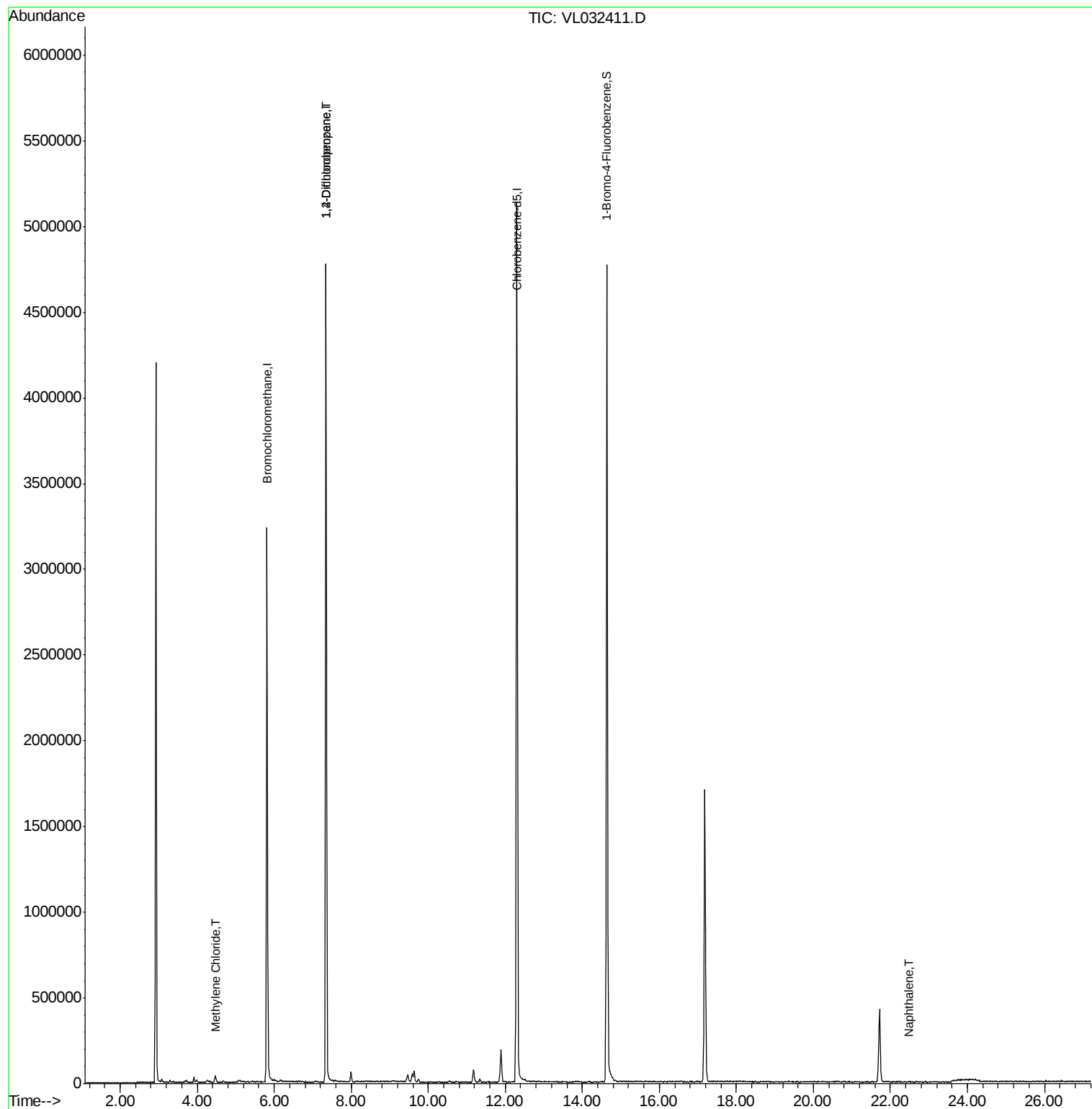
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1643	Below Cal	#	75
20) Methylene Chloride	4.46	84	3109	0.051	ppbv #	59
39) 1,2-Dichloropropane	7.34	63	897675	7.807	ppbv #	25
79) Naphthalene	22.48	128	295	0.328	ppbv #	69

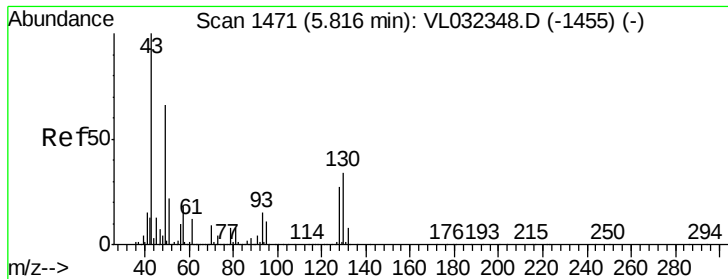
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VL032411.D

Acq: 20 Aug 2018 19:22

Instrument :

MSVOA_L

ClientSampleId :

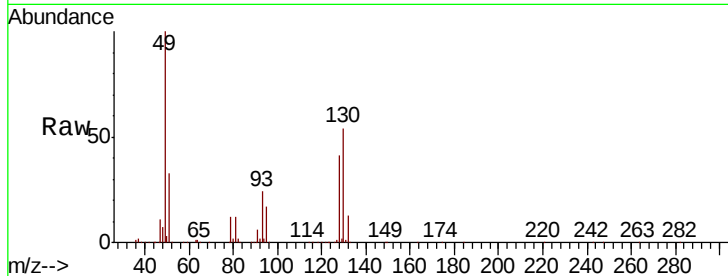
Tot Ion: 49 Resp: 1709024

Ion Ratio Lower Upper

49 100

128 41.8 20.5 61.6

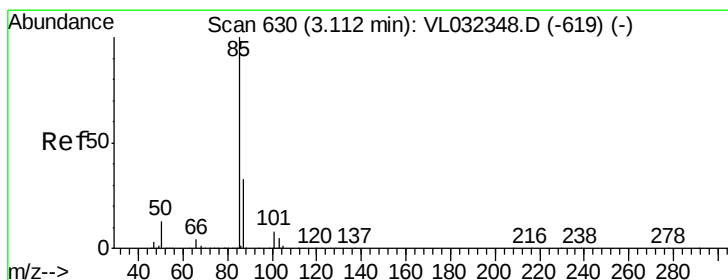
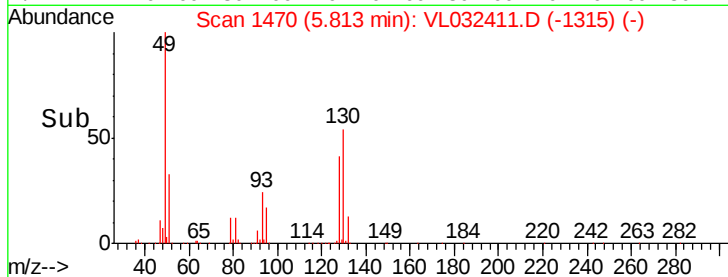
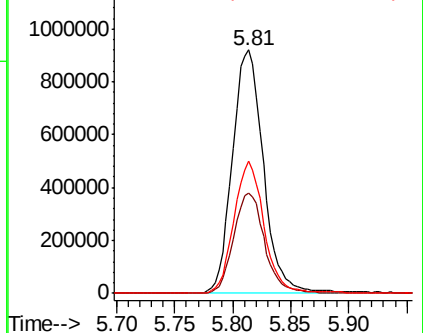
130 53.0 26.2 78.5



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: 3.07 min Scan# 617

Delta R.T. -0.04 min

Lab File: VL032411.D

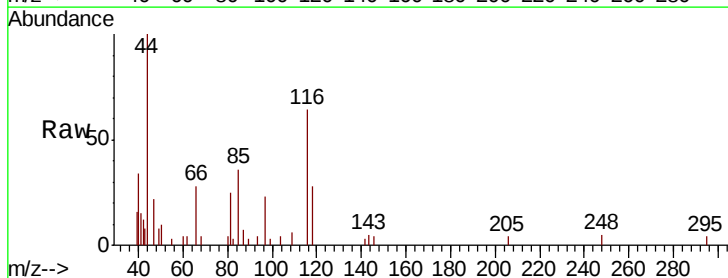
Acq: 20 Aug 2018 19:22

Tgt Ion: 85 Resp: 1643

Ion Ratio Lower Upper

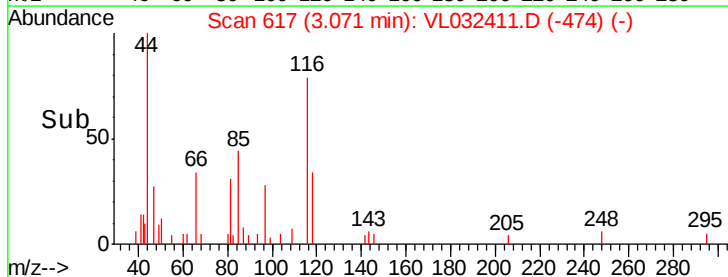
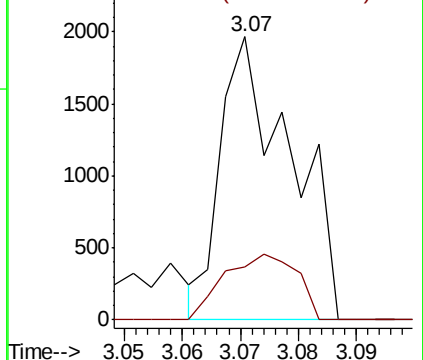
85 100

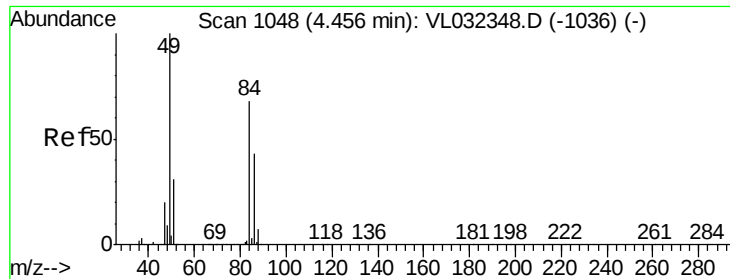
87 18.9 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

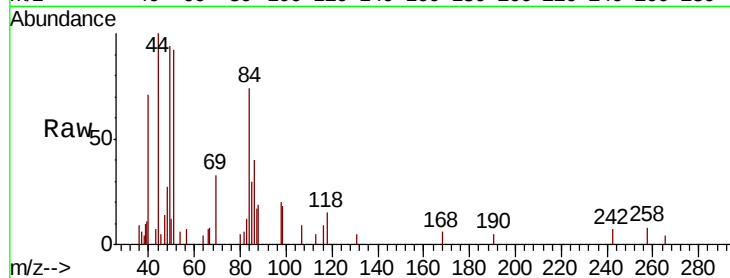




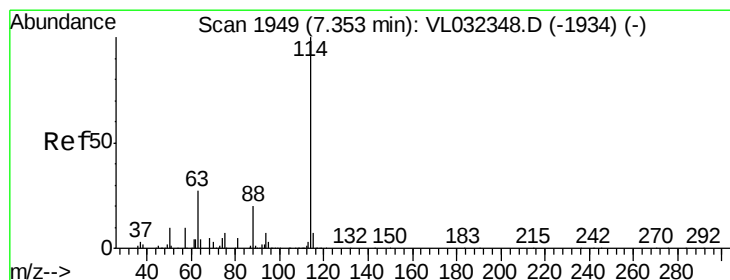
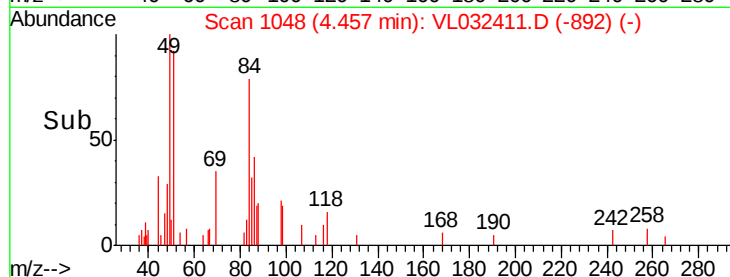
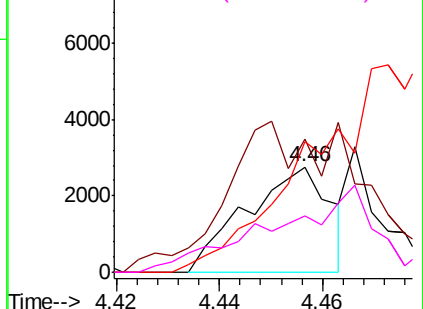
#20
Methylene Chloride
Concen: 0.051 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VL032411.D
Acq: 20 Aug 2018 19:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 3109
Ion Ratio Lower Upper
84 100
49 118.7 117.3 175.9
51 116.2 36.6 55.0#
86 35.3 49.8 74.8#

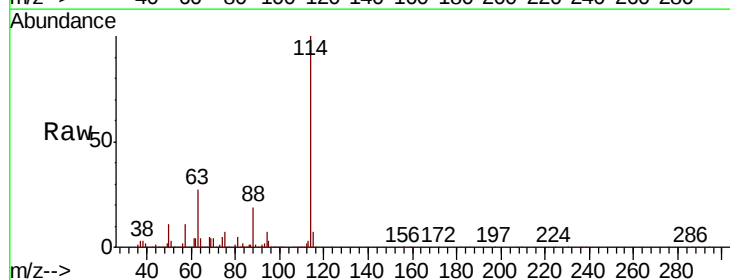


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

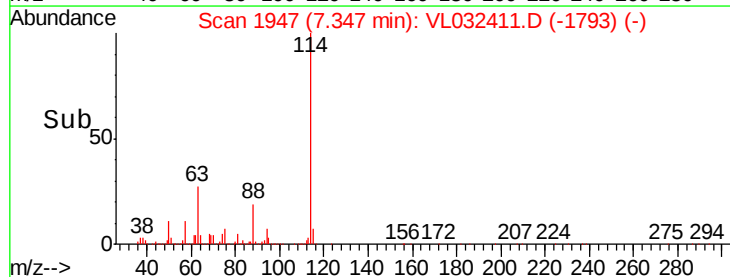
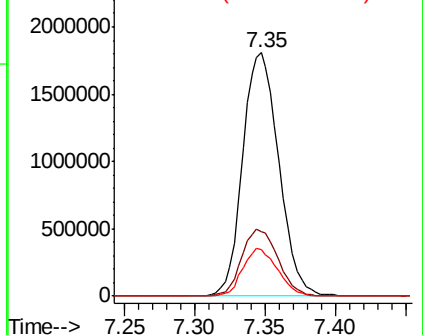


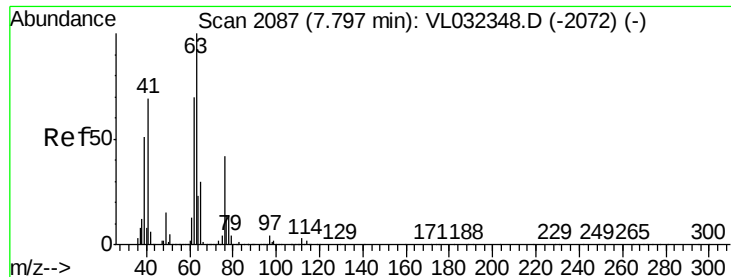
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.35 min Scan# 1947
Delta R.T. -0.01 min
Lab File: VL032411.D
Acq: 20 Aug 2018 19:22

Tgt Ion: 114 Resp: 3246857
Ion Ratio Lower Upper
114 100
63 27.9 22.0 33.0
88 19.0 15.3 22.9



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

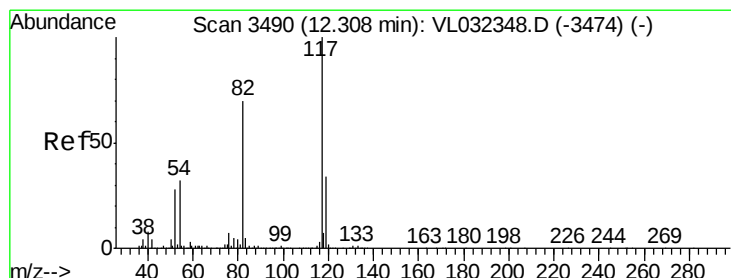
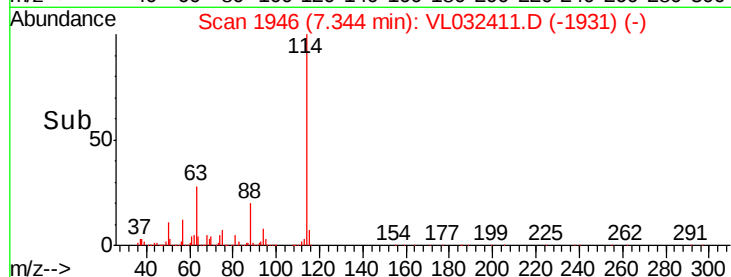
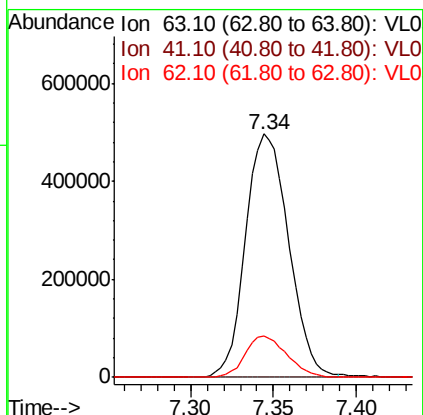
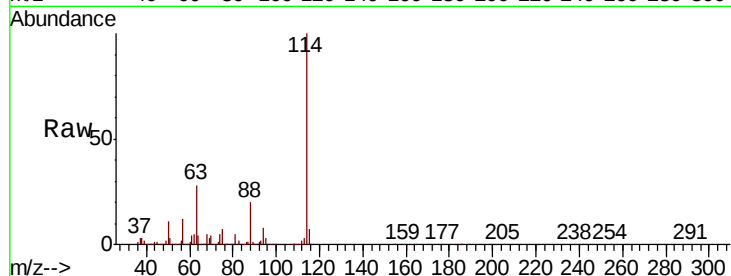




#39
 1,2-Dichloropropane
 Concen: 7.807 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.45 min
 Lab File: VL032411.D
 Acq: 20 Aug 2018 19:22

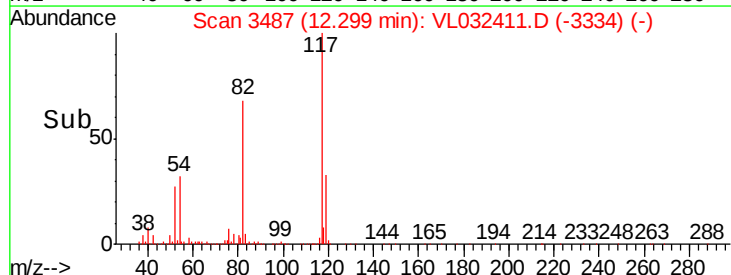
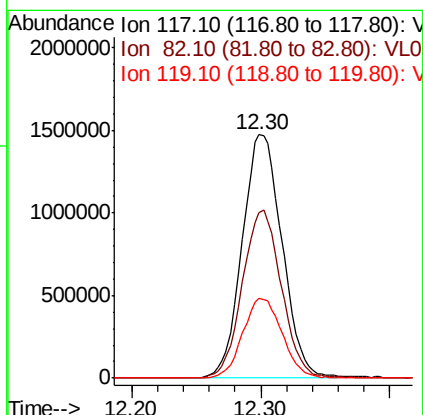
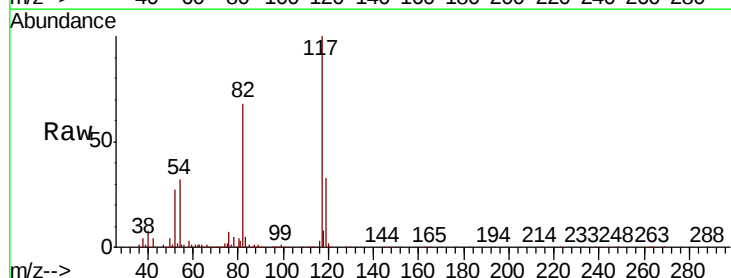
Instrument :
 MSVOA_L
 ClientSampleId :

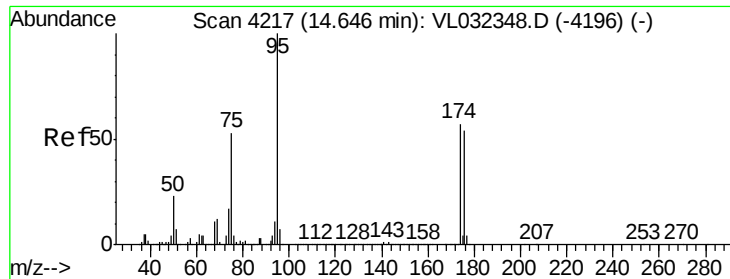
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.5	83.3#
62	17.2	56.3	84.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.30 min Scan# 3487
 Delta R.T. -0.01 min
 Lab File: VL032411.D
 Acq: 20 Aug 2018 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	55.1	82.7
119	32.9	46.0	69.0#

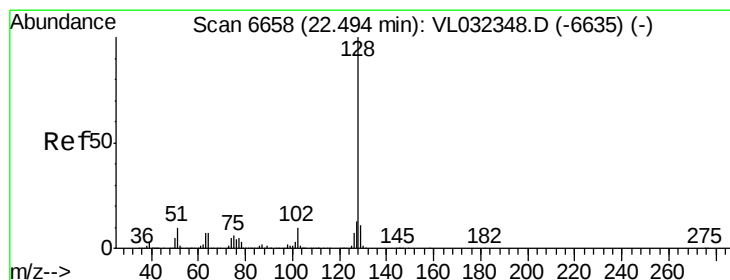
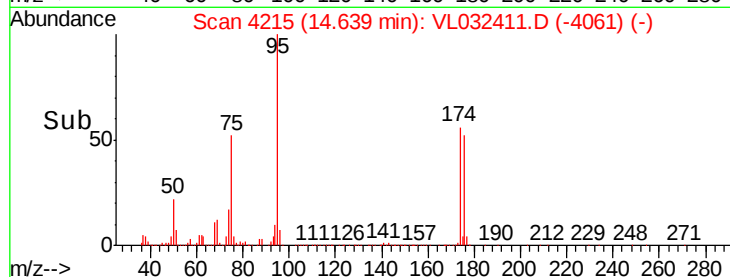
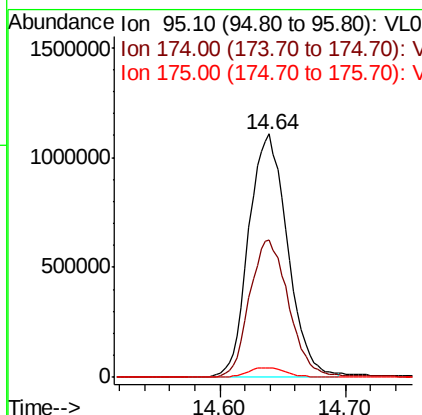
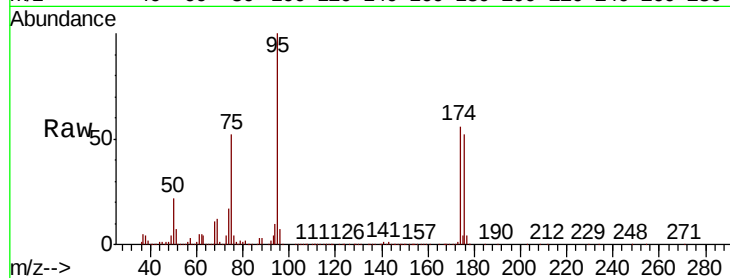




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.832 ppbv
 RT: 14.64 min Scan# 4215
 Delta R.T. -0.01 min
 Lab File: VL032411.D
 Acq: 20 Aug 2018 19:22

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2377793
 Ion Ratio Lower Upper
 95 100
 174 58.0 46.2 69.4
 175 4.2 3.4 5.0



#79
 Naphthalene
 Concen: 0.328 ppbv
 RT: 22.48 min Scan# 6652
 Delta R.T. -0.02 min
 Lab File: VL032411.D
 Acq: 20 Aug 2018 19:22

Tgt Ion: 128 Resp: 295
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

