

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121718\
 Data File : VL032998.D
 Acq On : 17 Dec 2018 14:32
 Operator : SY/AP
 Sample : VL1217ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 18 01:14:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1137237	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2733405	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3028683	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2230876	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

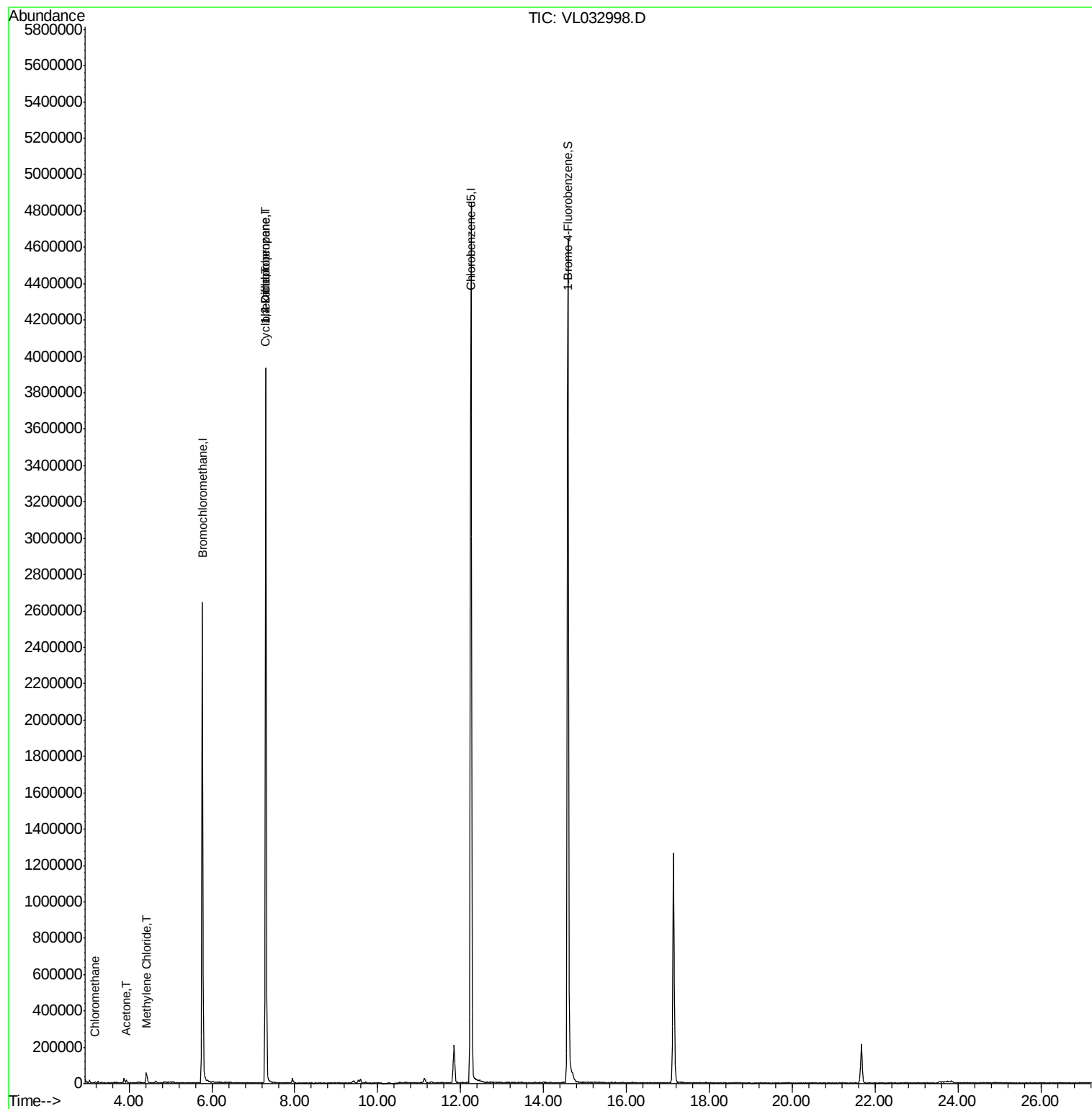
Target Compounds					Ovalue
4) Chloromethane	3.17	50	2356	0.047 ppbv	89
15) Acetone	3.93	43	6821	0.070 ppbv #	49
20) Methylene Chloride	4.42	84	15824	0.332 ppbv	88
30) Cyclohexane	7.28	84	3631	0.041 ppbv #	1
39) 1,2-Dichloropropane	7.30	63	670025	8.788 ppbv #	21

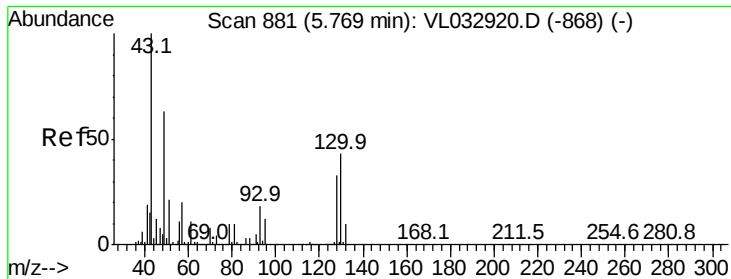
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Instrument :

MSVOA_L

ClientSampled :

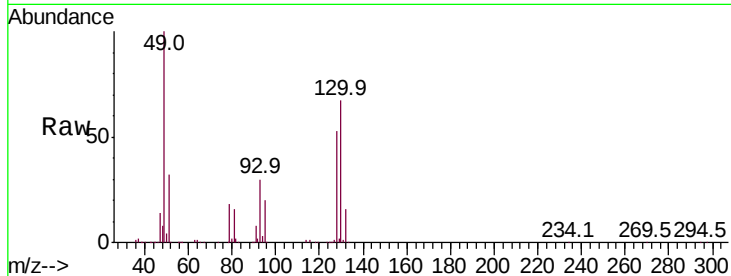
Tot Ion: 49 Resp: 1137237

Ion Ratio Lower Upper

49 100

128 54.6 26.3 78.8

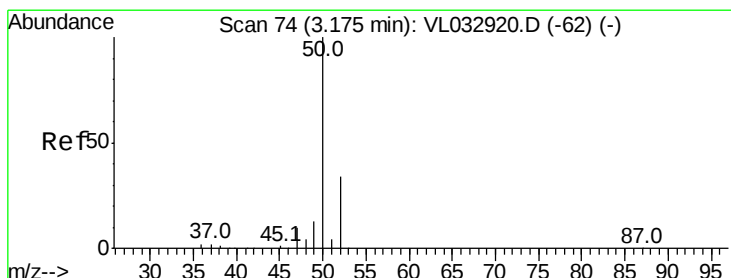
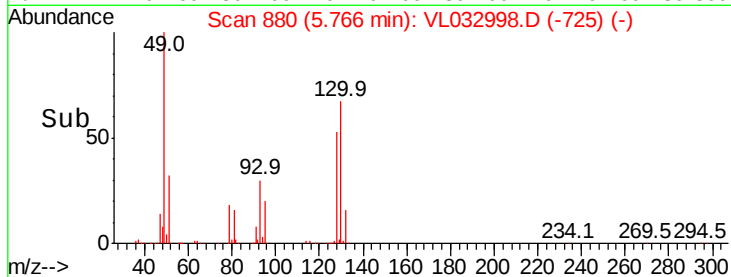
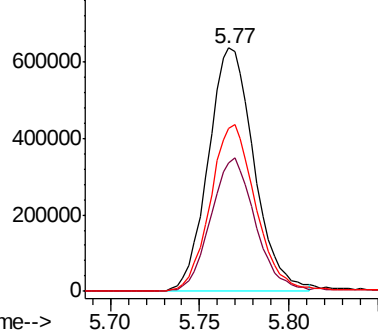
130 69.4 33.9 101.7



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



#4

Chloromethane

Concen: 0.047 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032998.D

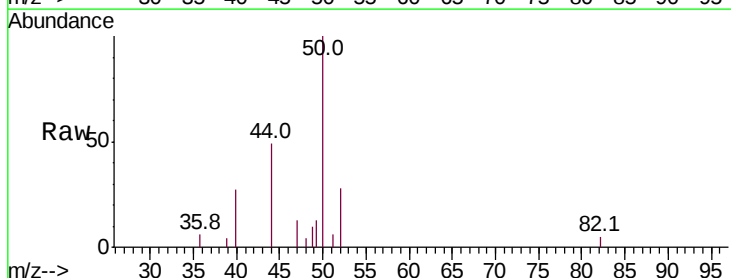
Acq: 17 Dec 2018 14:32

Tgt Ion: 50 Resp: 2356

Ion Ratio Lower Upper

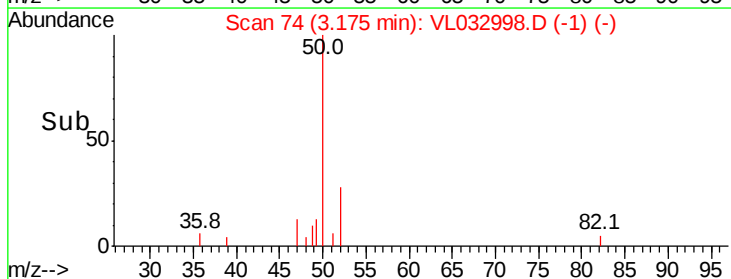
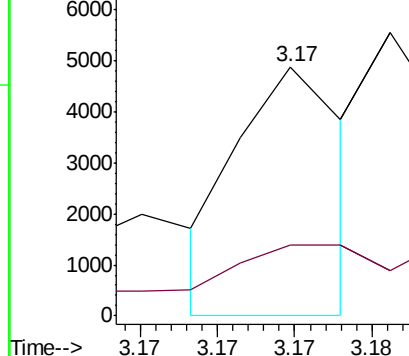
50 100

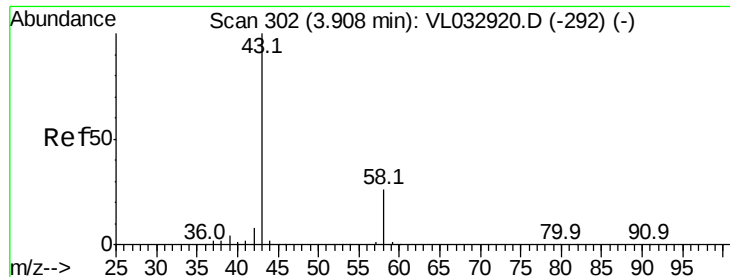
52 27.6 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#15

Acetone

Concen: 0.070 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Instrument :

MSVOA_L

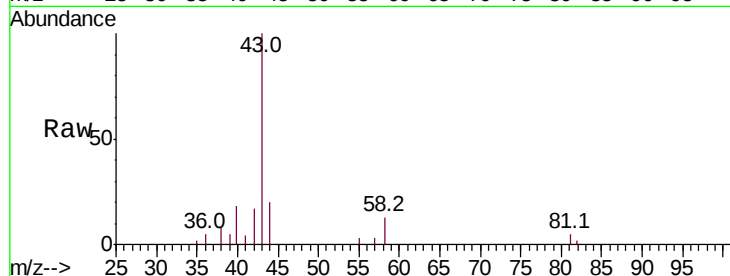
ClientSampleId :

Tot Ion: 43 Resp: 6821

Ion Ratio Lower Upper

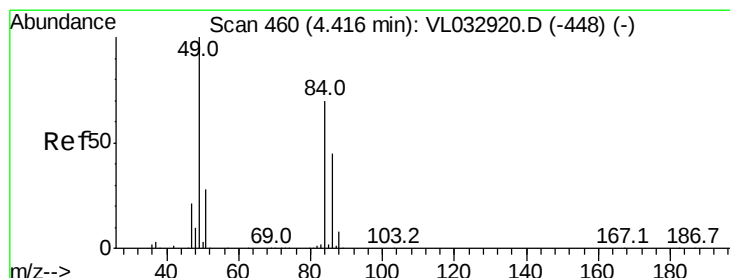
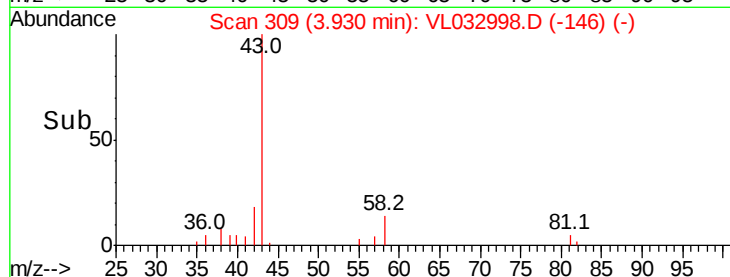
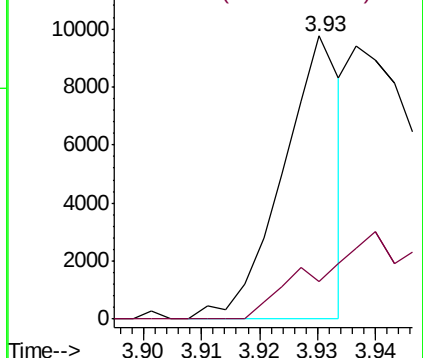
43 100

58 0.0 20.6 30.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.332 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Tgt Ion: 84 Resp: 15824

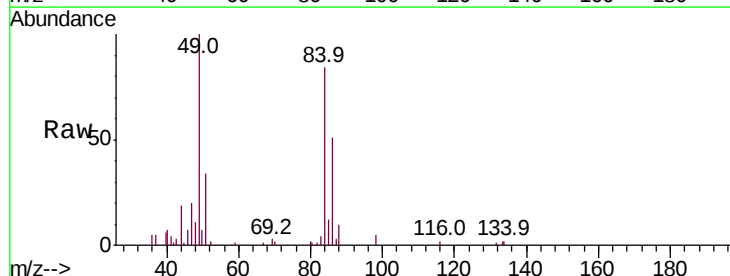
Ion Ratio Lower Upper

84 100

49 118.9 113.8 170.8

51 40.9 31.8 47.8

86 61.1 50.8 76.2

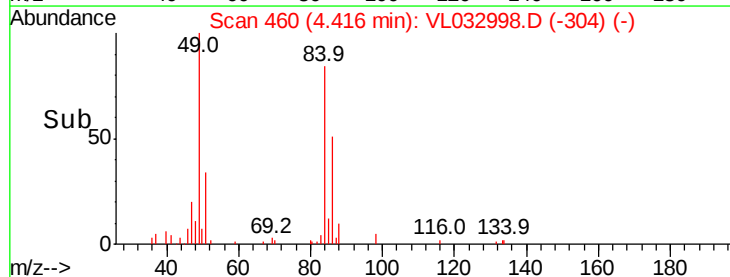
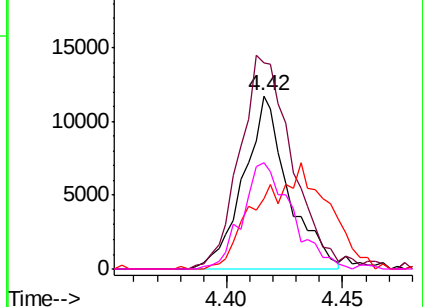


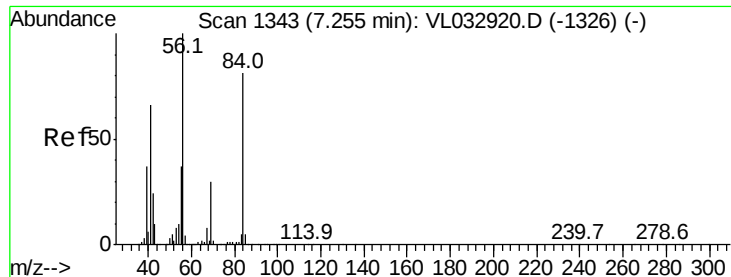
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

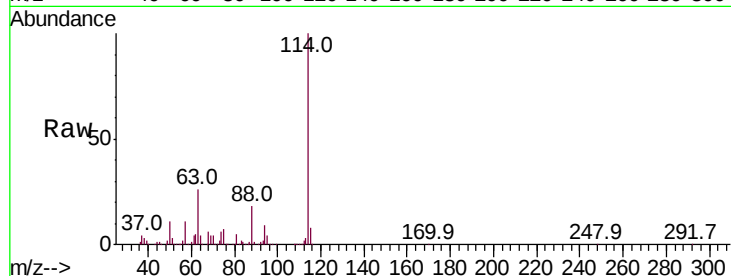




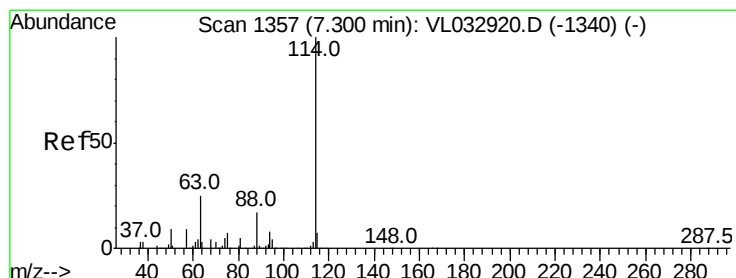
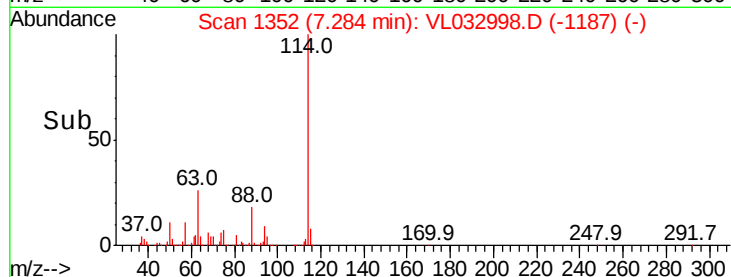
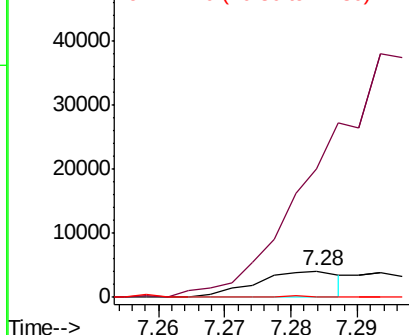
#30
Cvclohexane
Concen: 0.041 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.03 min
Lab File: VL032998.D
Acq: 17 Dec 2018 14:32

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 3631
Ion Ratio Lower Upper
84 100
56 0.0 102.5 153.7#
41 1.1 64.1 96.1#

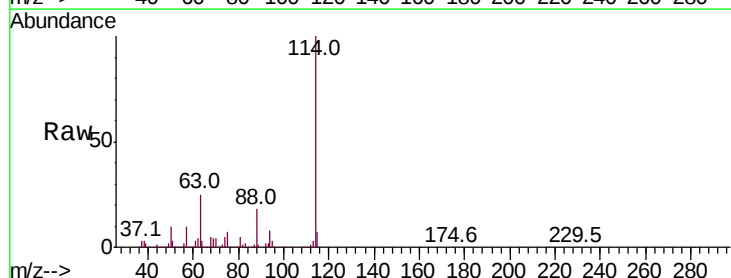


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

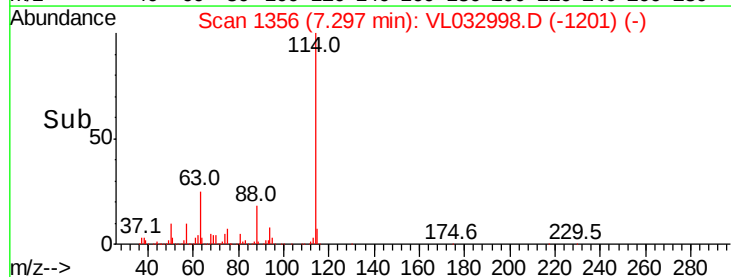
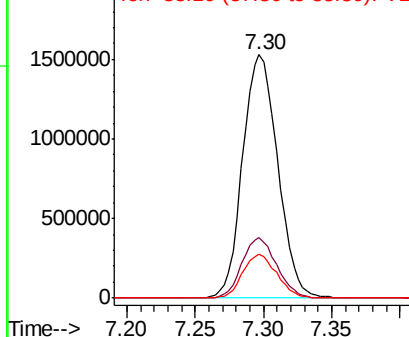


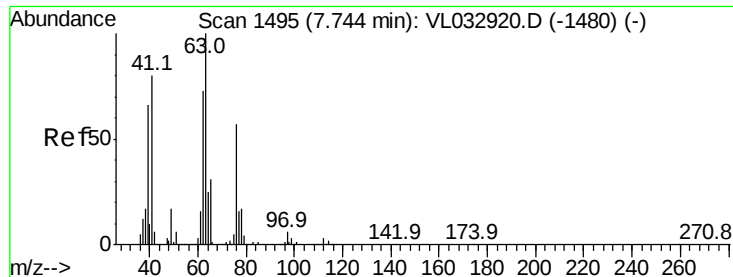
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032998.D
Acq: 17 Dec 2018 14:32

Tgt Ion:114 Resp: 2733405
Ion Ratio Lower Upper
114 100
63 24.6 20.1 30.1
88 17.7 14.2 21.4



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: 8.788 ppbv

RT: 7.30 min Scan# 1356

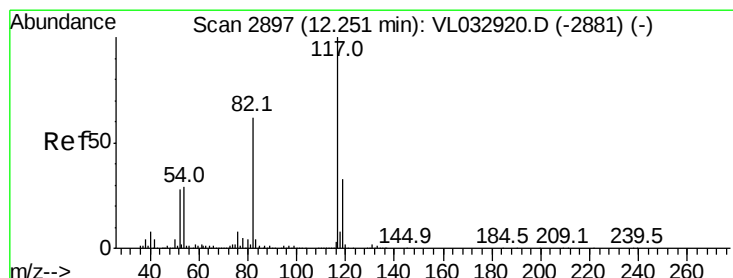
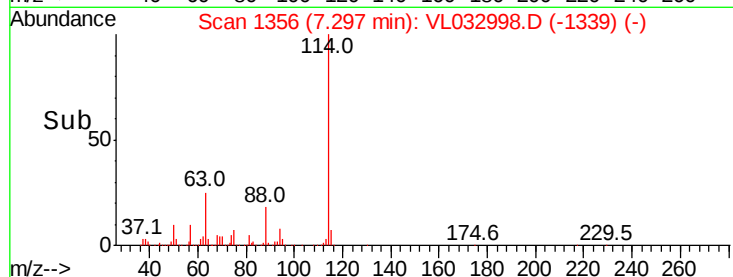
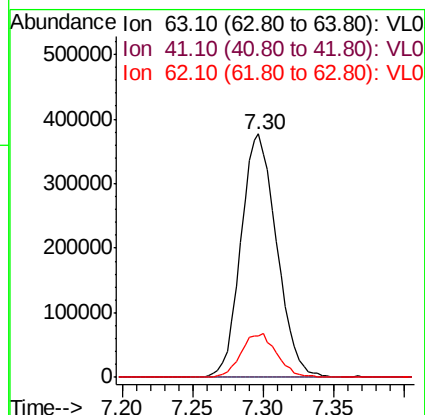
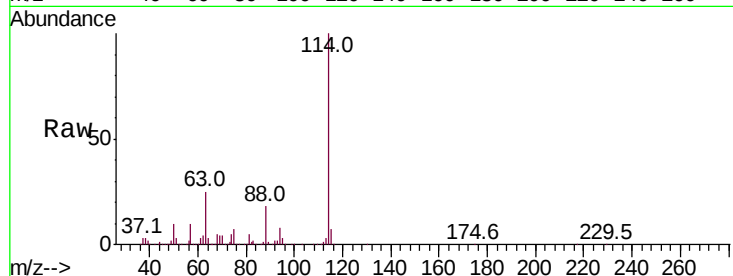
Delta R.T. -0.45 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	63	Resp:	670025
Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	16.8	58.8	88.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

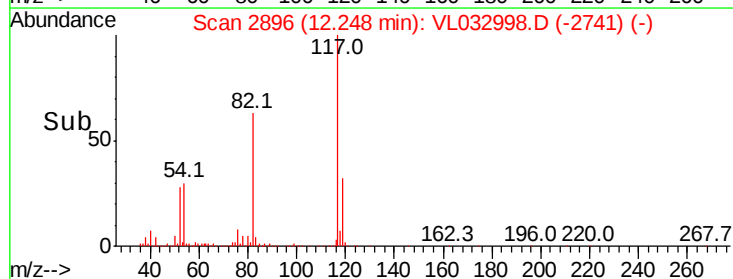
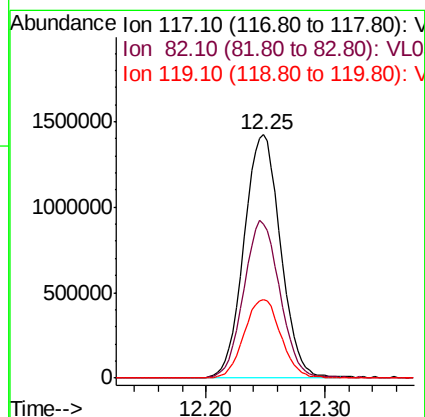
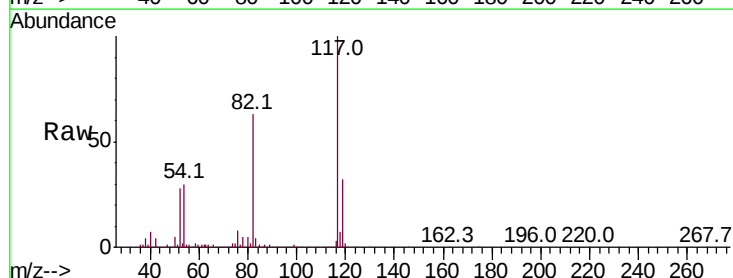
RT: 12.25 min Scan# 2896

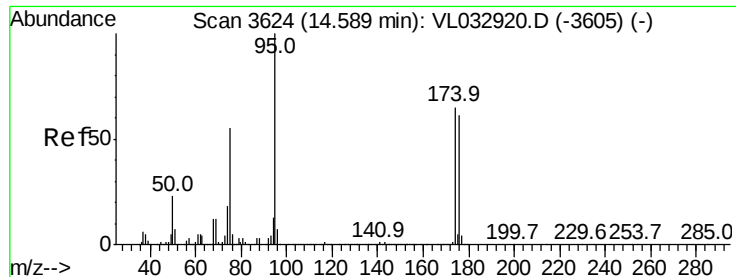
Delta R.T. -0.00 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Tgt Ion:	117	Resp:	3028683
Ion	Ratio	Lower	Upper
117	100		
82	64.4	47.8	71.8
119	32.7	43.1	64.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.970 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032998.D

Acq: 17 Dec 2018 14:32

Instrument :

MSVOA_L

ClientSampleId :

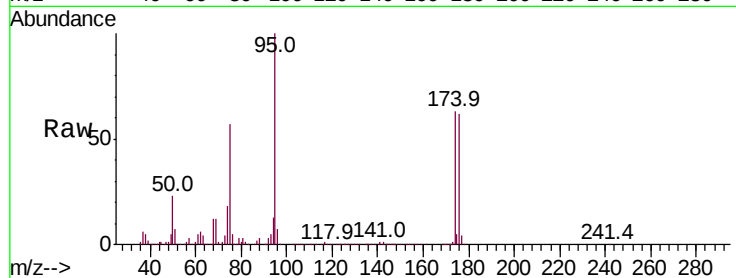
Tot Ion: 95 Resp: 2230876

Ion Ratio Lower Upper

95 100

174 66.7 51.4 77.0

175 4.9 3.8 5.6



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

