

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032954.D
 Acq On : 11 Dec 2018 14:41
 Operator : SY/AP
 Sample : VL1211ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 00:50:17 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	5.76	49	1213687	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3006168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2938931	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2153200	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

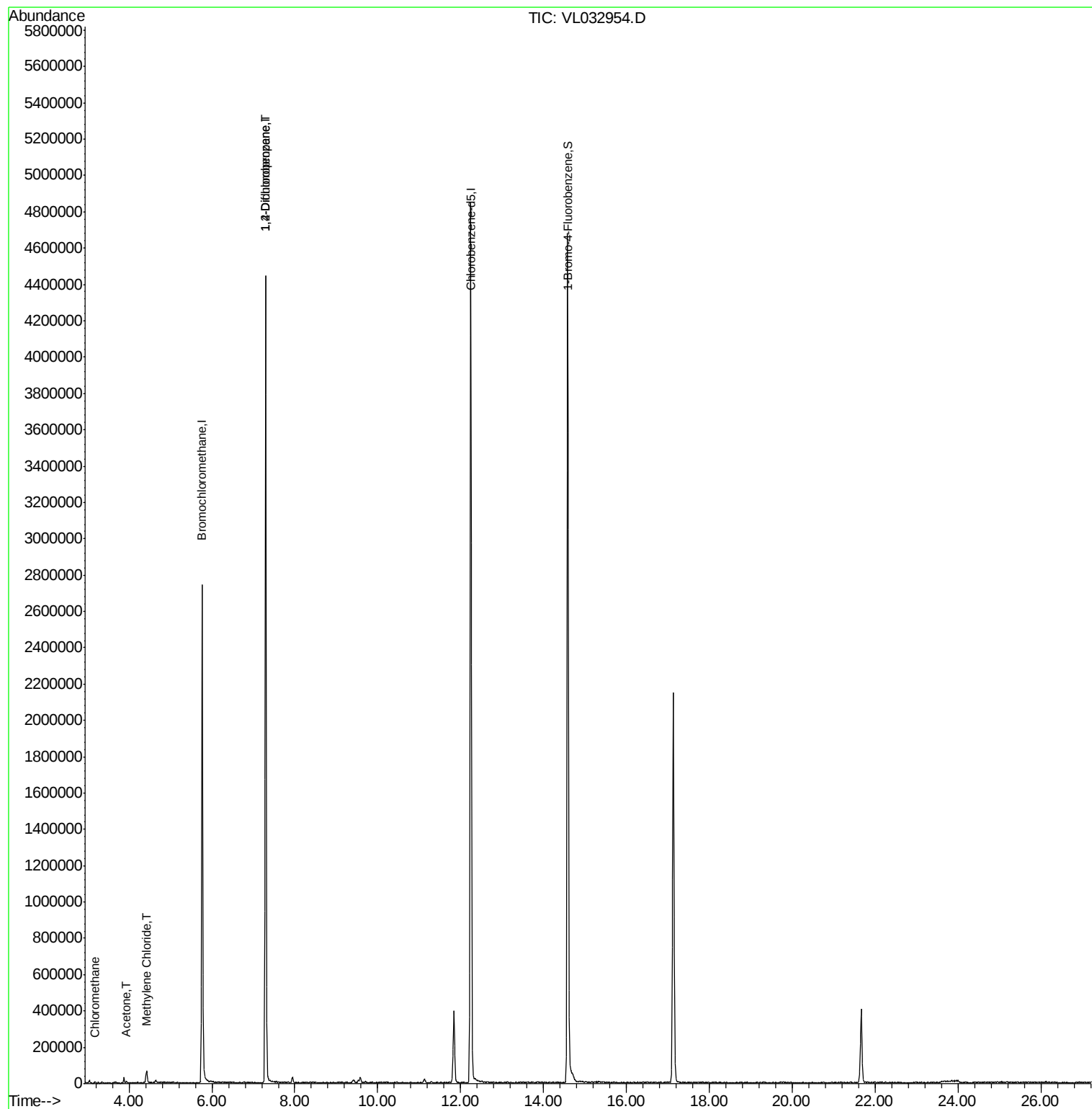
Target Compounds					Ovalue
4) Chloromethane	3.17	50	6647	0.124	ppbv 97
15) Acetone	3.93	43	4773	0.046	ppbv # 49
20) Methylene Chloride	4.42	84	16970	0.333	ppbv # 80
39) 1,2-Dichloropropane	7.29	63	765830	9.133	ppbv # 21

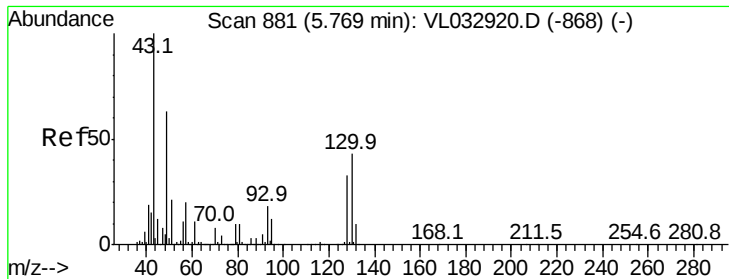
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032954.D

Acq: 11 Dec 2018 14:41

Instrument :
MSVOA_L
ClientSampleId :

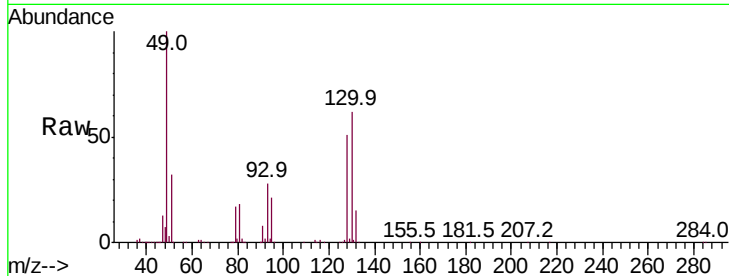
Tot Ion: 49 Resp: 1213687

Ion Ratio Lower Upper

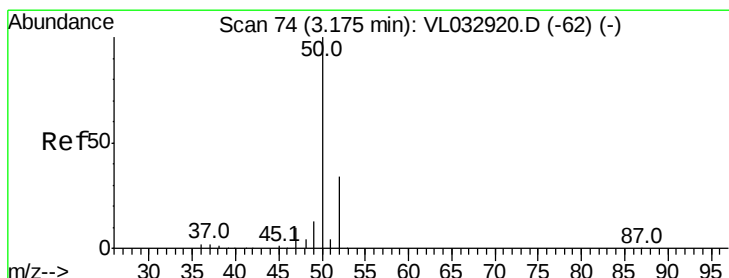
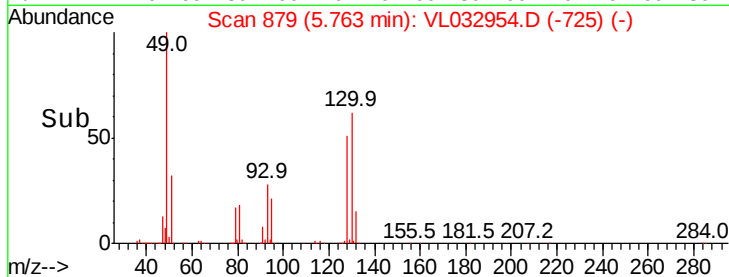
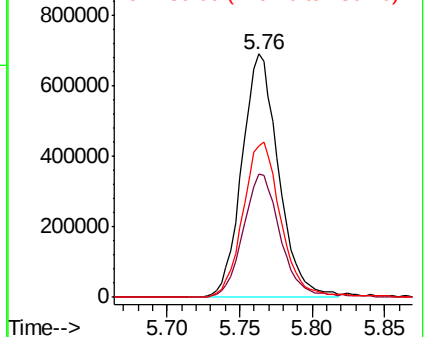
49 100

128 52.2 26.3 78.8

130 66.6 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: 0.124 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032954.D

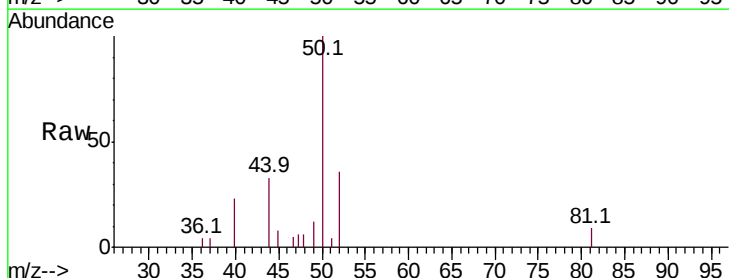
Acq: 11 Dec 2018 14:41

Tgt Ion: 50 Resp: 6647

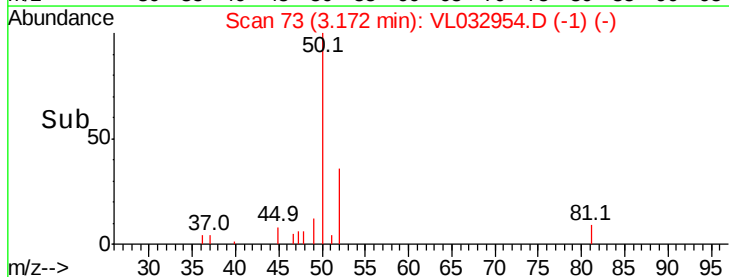
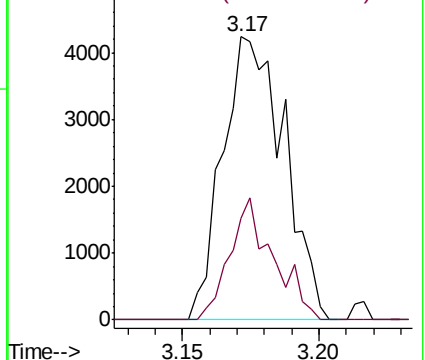
Ion Ratio Lower Upper

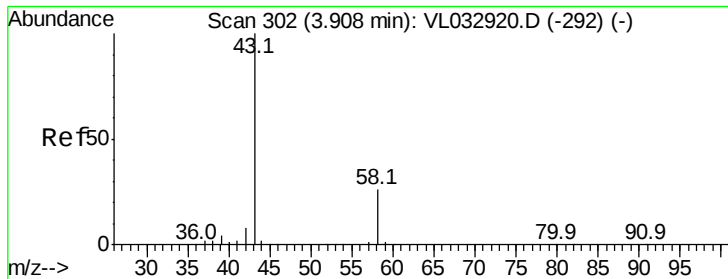
50 100

52 36.0 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: 0.046 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL032954.D

Acq: 11 Dec 2018 14:41

Instrument :

MSVOA_L

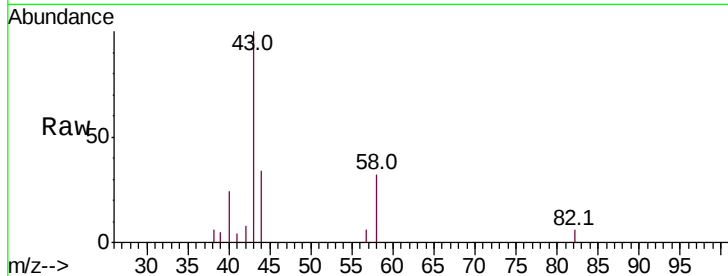
ClientSampleId :

Tot Ion: 43 Resp: 4773

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

8000

6000

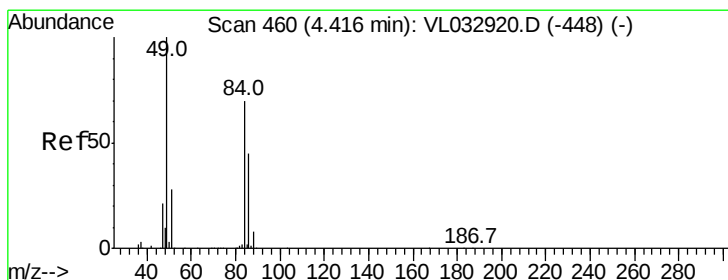
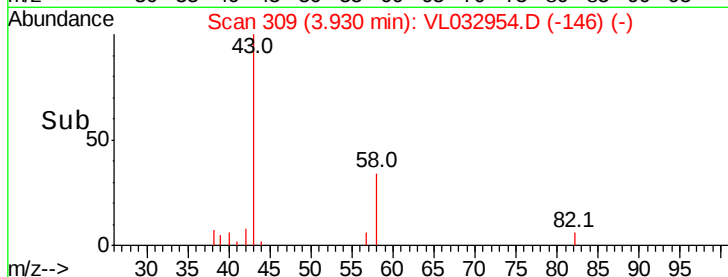
4000

2000

0

3.90 3.91 3.92 3.93 3.94

Time-->



#20

Methylene Chloride

Concen: 0.333 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032954.D

Acq: 11 Dec 2018 14:41

Tgt Ion: 84 Resp: 16970

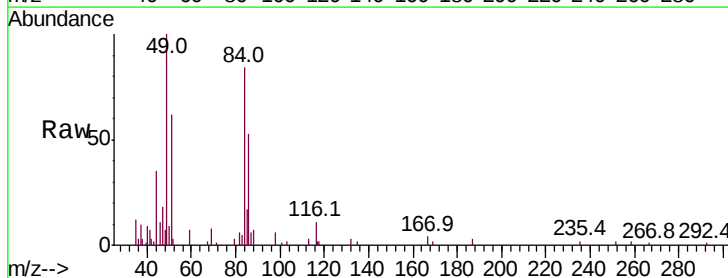
Ion Ratio Lower Upper

84 100

49 118.6 113.8 170.8

51 73.0 31.8 47.8#

86 62.8 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

25000

20000

15000

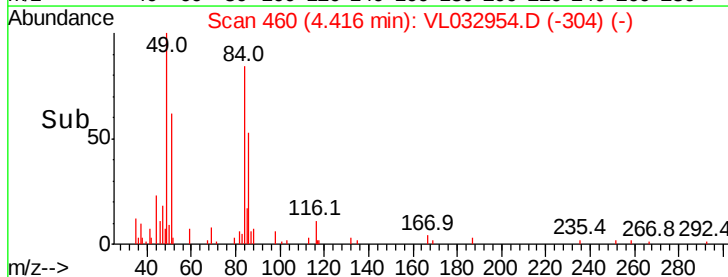
10000

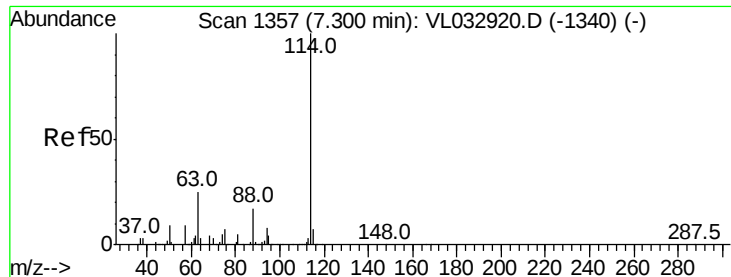
5000

0

4.35 4.40 4.42 4.45

Time-->

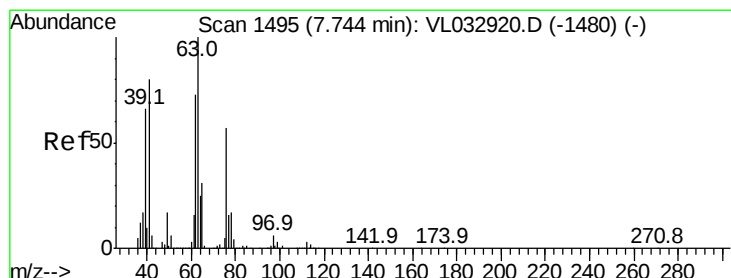
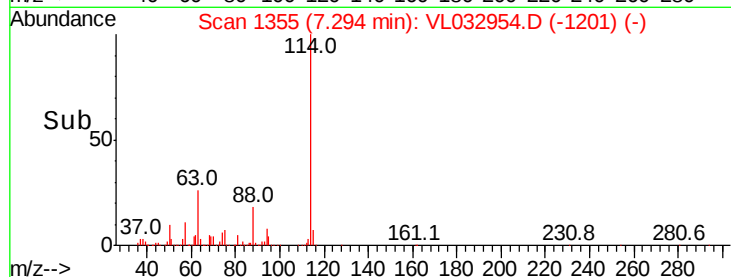
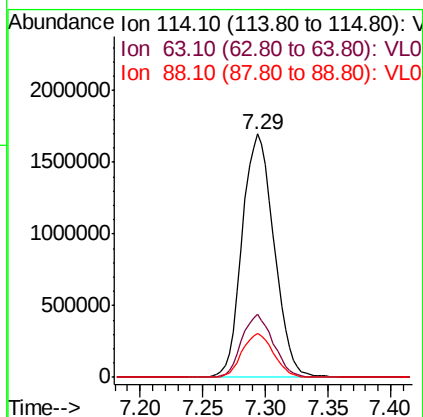
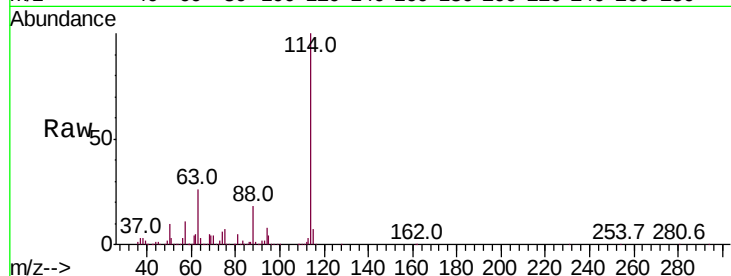




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032954.D
 Acq: 11 Dec 2018 14:41

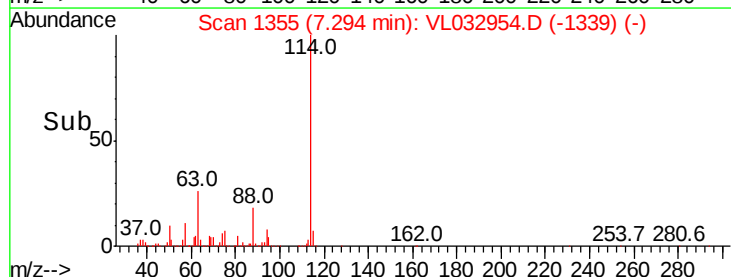
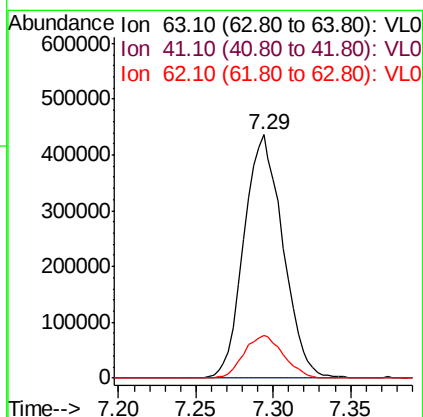
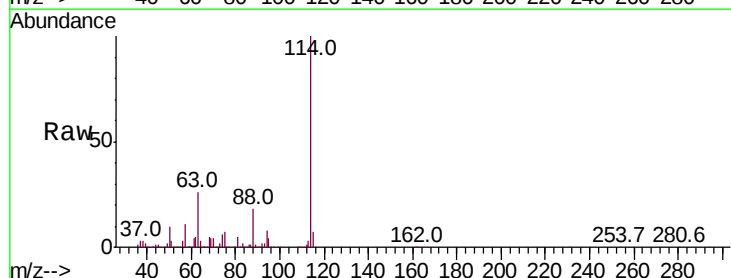
Instrument :
 MSVOA_L
 ClientSampleId :

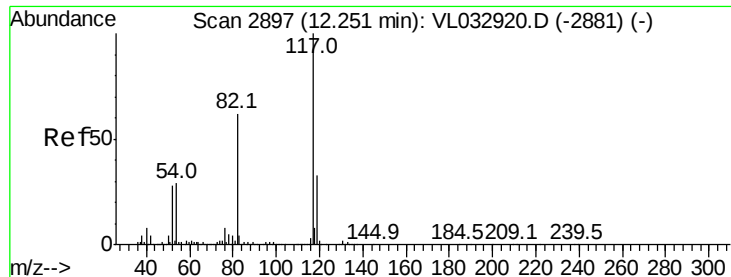
Tot Ion:114 Resp: 3006168
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.1 30.1
 88 17.8 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 9.133 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.45 min
 Lab File: VL032954.D
 Acq: 11 Dec 2018 14:41

Tgt Ion: 63 Resp: 765830
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.9 95.9#
 62 17.8 58.8 88.2#

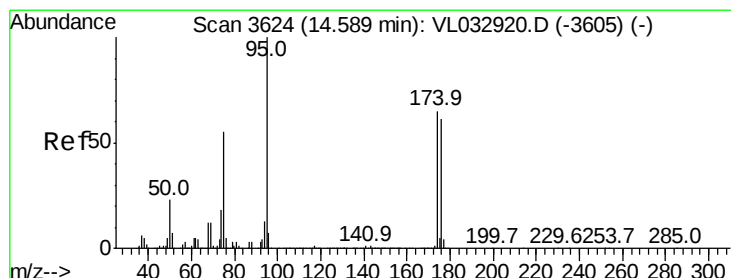
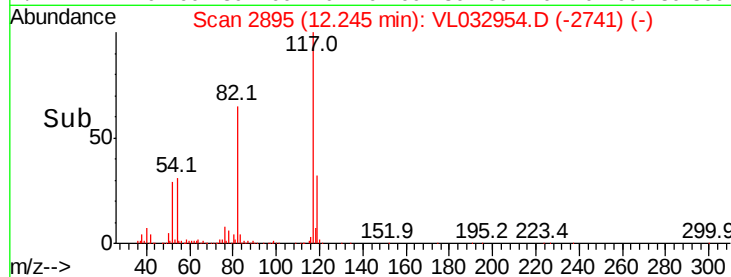
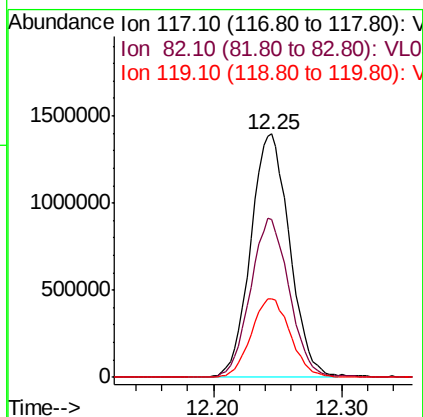
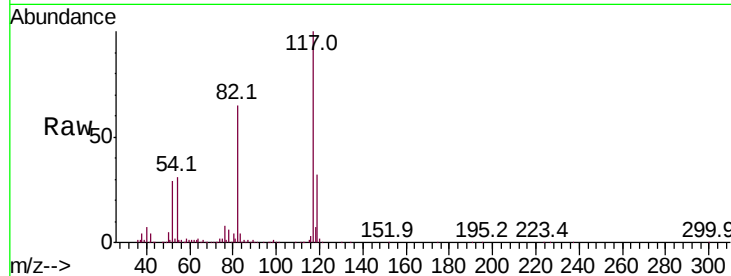




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032954.D
Acq: 11 Dec 2018 14:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2938931
Ion Ratio Lower Upper
117 100
82 65.0 47.8 71.8
119 32.8 43.1 64.7#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.917 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032954.D
Acq: 11 Dec 2018 14:41

Tgt Ion: 95 Resp: 2153200
Ion Ratio Lower Upper
95 100
174 64.5 51.4 77.0
175 4.7 3.8 5.6

