

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
 Data File : VL033266.D
 Acq On : 8 Mar 2019 20:53
 Operator : SY/AP
 Sample : QC022819 CAN 10314
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC022819 CAN 10314

Quant Time: Mar 09 03:45:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Mar 09 03:32:03 2019
 QLast Update : Sat Mar 09 03:32:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1013804	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2207896	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2258802	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1780915	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

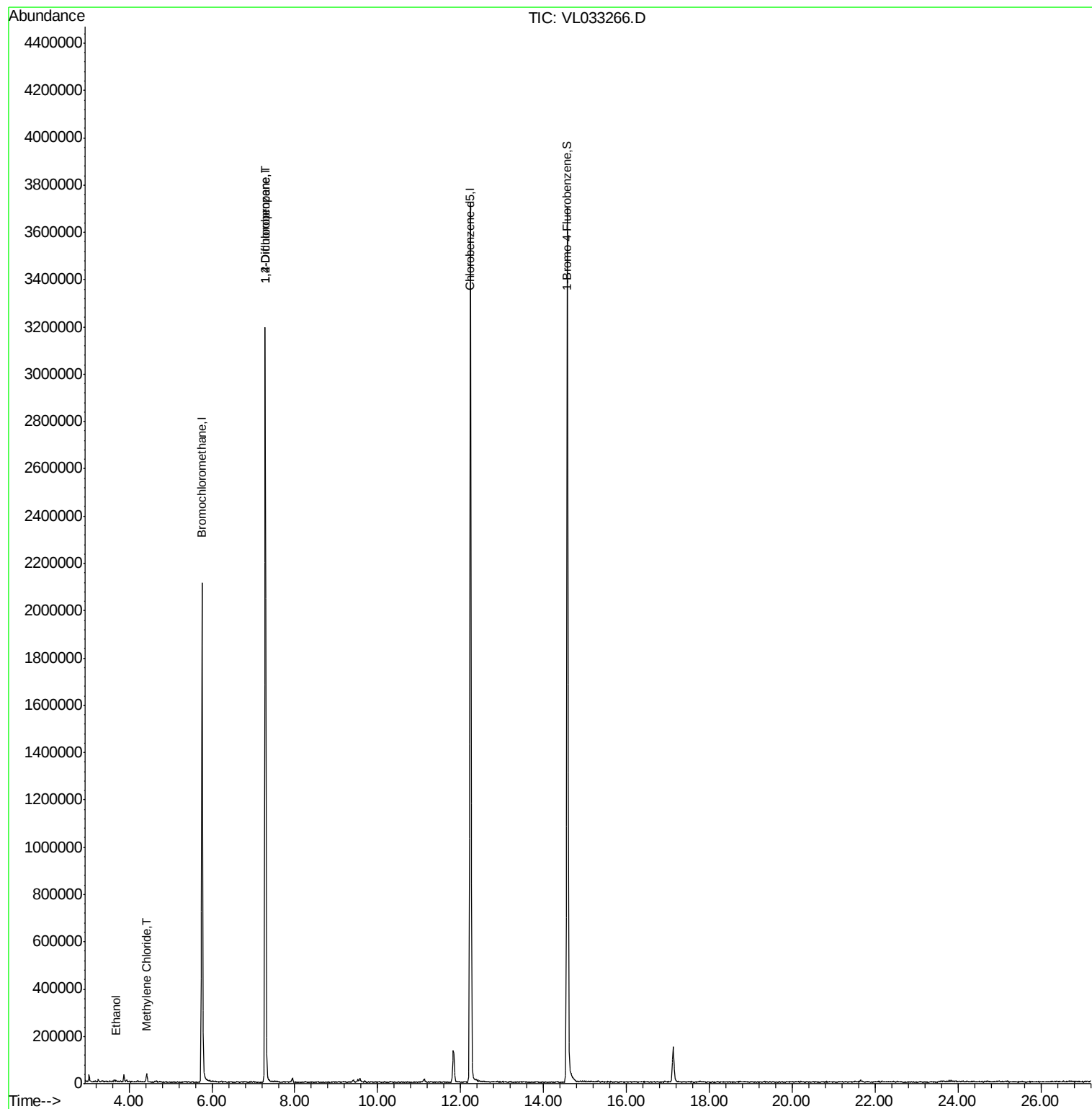
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.67	45	694	0.047	ppbv #	38
20) Methylene Chloride	4.41	84	2547	0.052	ppbv	95
39) 1,2-Dichloropropane	7.29	63	603020	8.080	ppbv #	22

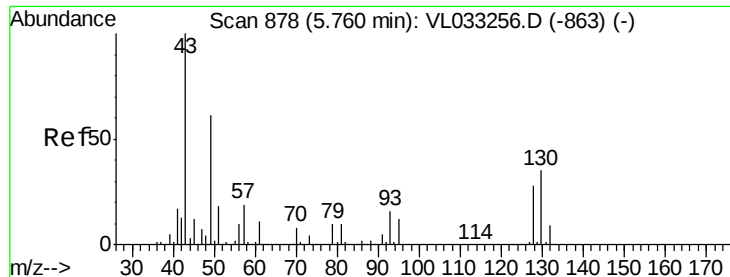
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

Lab File: VL033266.D

Acq: 8 Mar 2019 20:53

Instrument :

MSVOA_L

ClientSampleId :

QC022819 CAN 10314

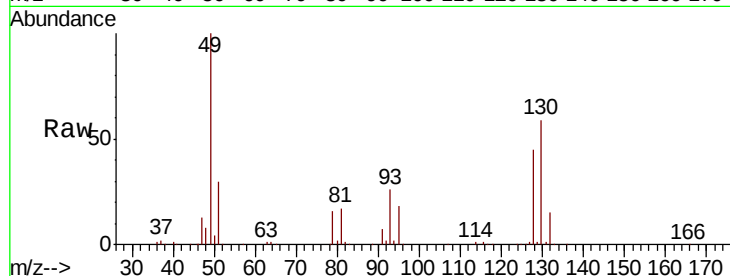
Tgt Ion: 49 Resp: 1013804

Ion Ratio Lower Upper

49 100

128 45.6 22.5 67.5

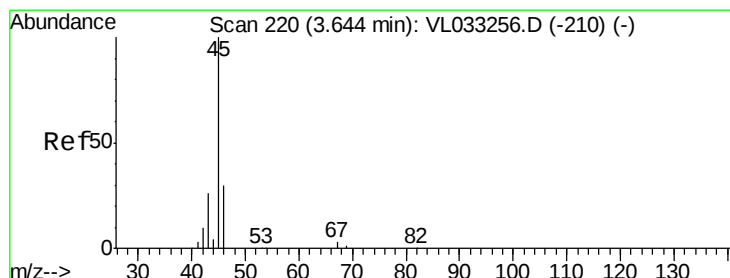
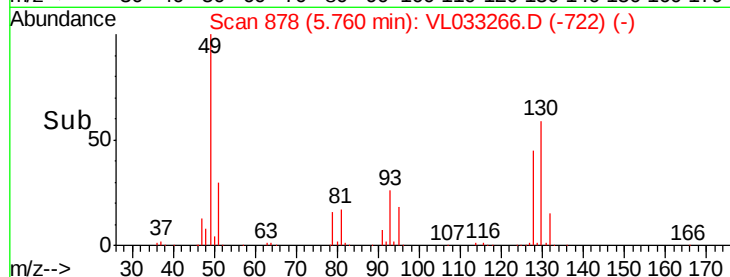
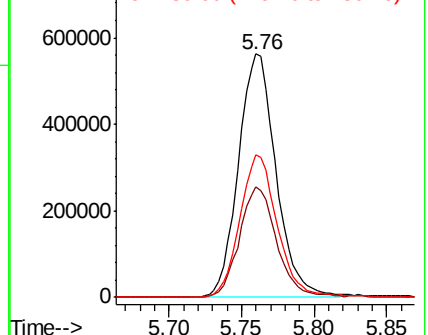
130 58.8 29.1 87.4



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



#13

Ethanol

Concen: 0.047 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.03 min

Lab File: VL033266.D

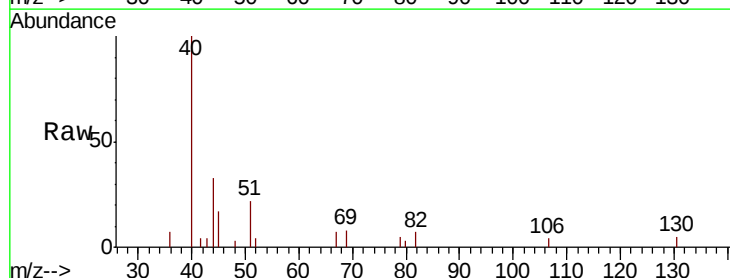
Acq: 8 Mar 2019 20:53

Tgt Ion: 45 Resp: 694

Ion Ratio Lower Upper

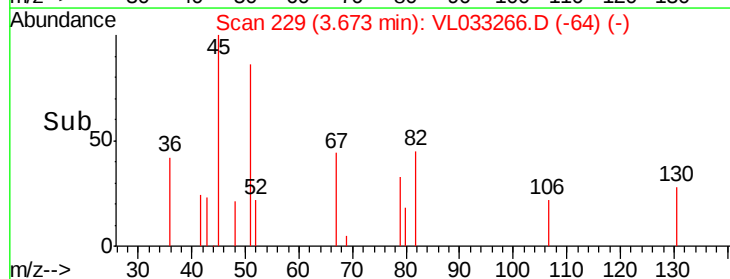
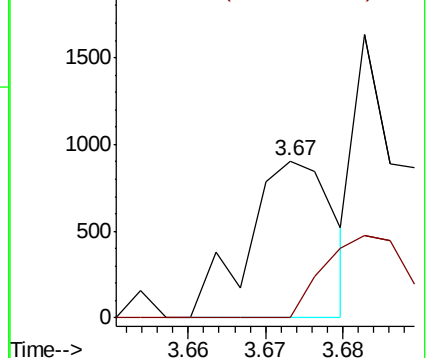
45 100

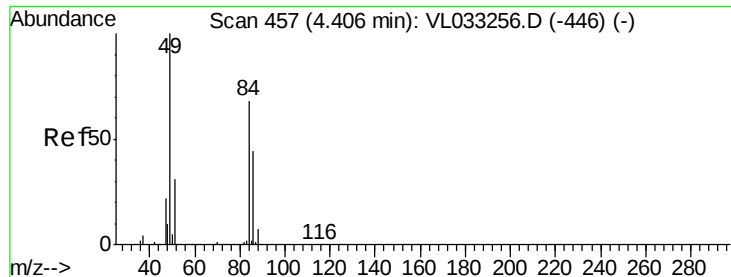
46 0.0 14.9 59.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#20

Methylene Chloride

Concen: 0.052 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033266.D

Acq: 8 Mar 2019 20:53

Instrument :

MSVOA_L

ClientSampleId :

QC022819 CAN 10314

Tgt Ion: 84 Resp: 2547

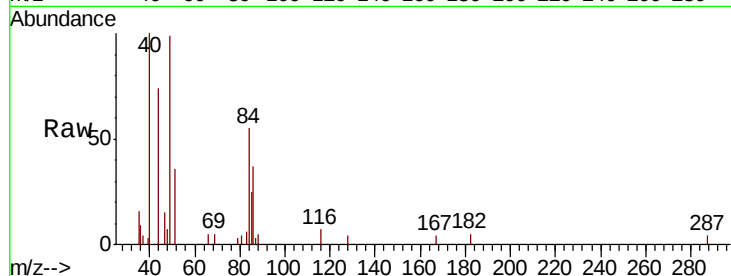
Ion Ratio Lower Upper

84 100

49 150.9 117.8 176.6

51 55.1 36.9 55.3

86 66.7 51.7 77.5

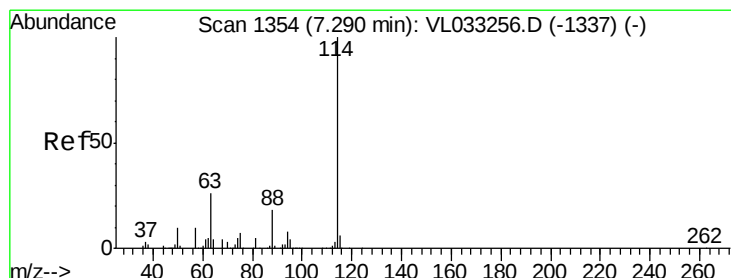
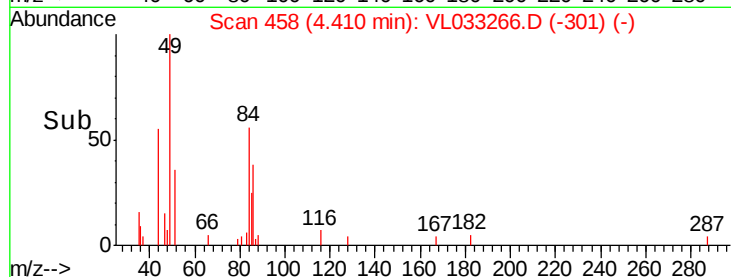
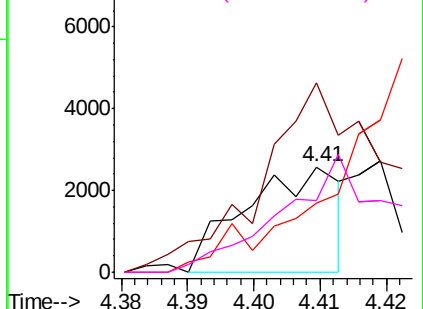


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.29 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL033266.D

Acq: 8 Mar 2019 20:53

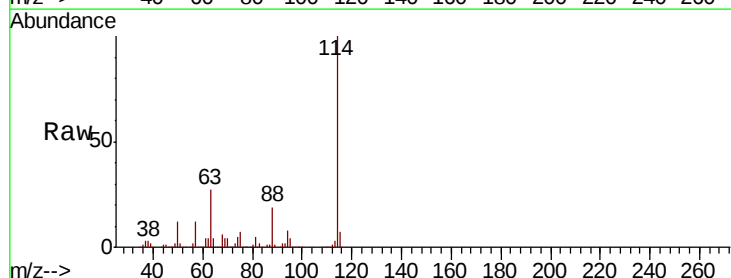
Tgt Ion: 114 Resp: 2207896

Ion Ratio Lower Upper

114 100

63 27.5 22.2 33.2

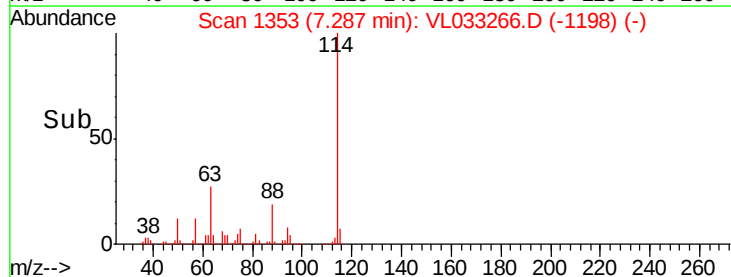
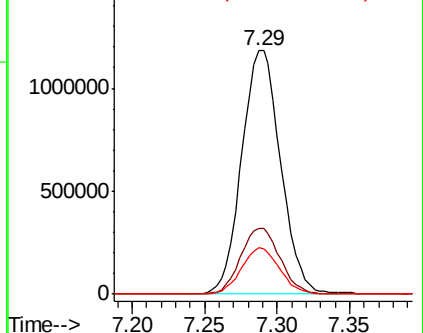
88 18.7 14.6 22.0

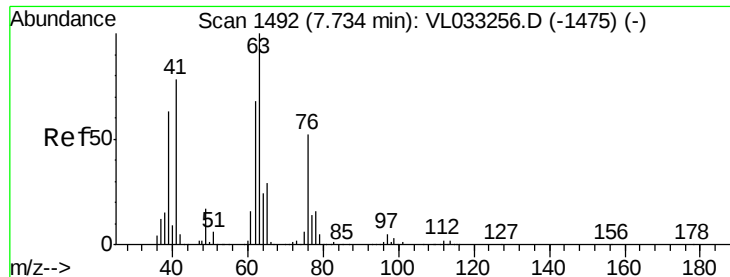


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

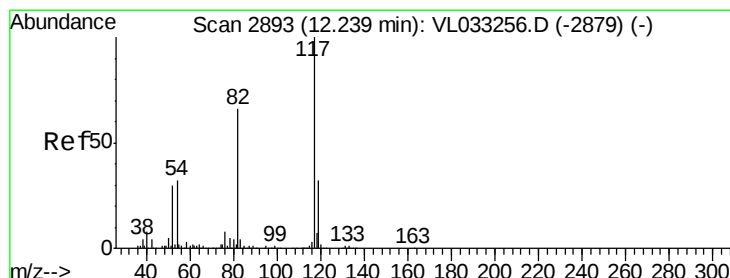
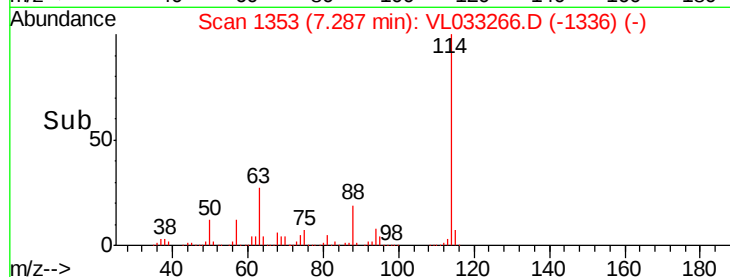
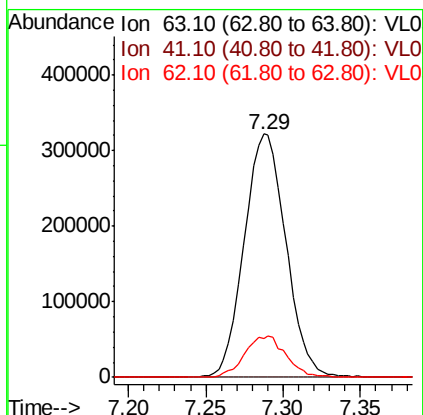
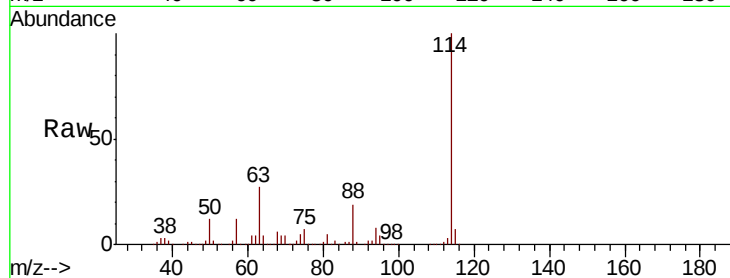




#39
 1,2-Dichloropropane
 Concen: 8.080 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.45 min
 Lab File: VL033266.D
 Acq: 8 Mar 2019 20:53

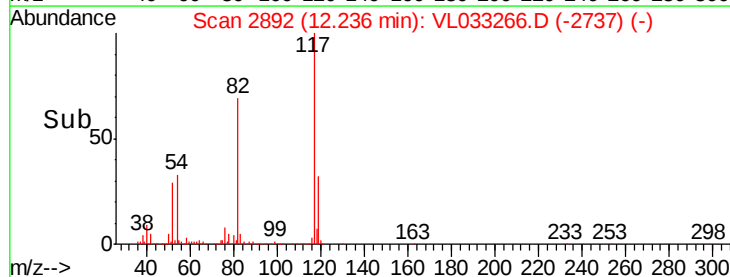
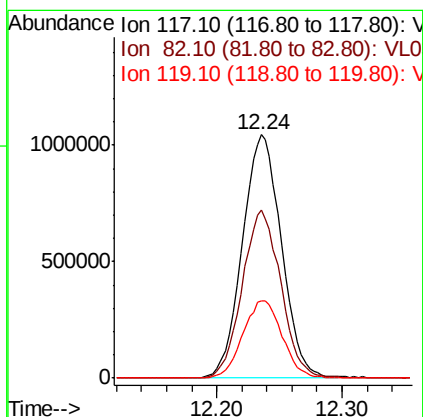
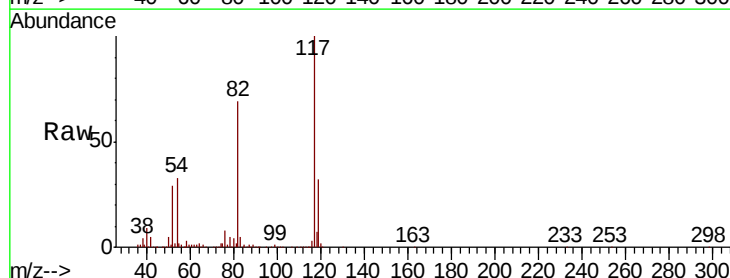
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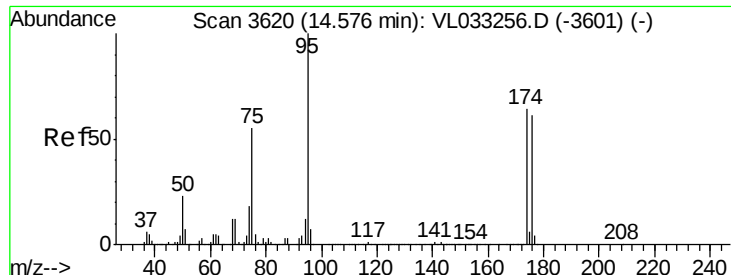
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	94.0#
62	15.9	54.6	81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: VL033266.D
 Acq: 8 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	52.2	78.4
119	32.2	43.4	65.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.824 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL033266.D

Acq: 8 Mar 2019 20:53

Instrument :

MSVOA_L

ClientSampleId :

QC022819 CAN 10314

Tgt Ion: 95 Resp: 1780915

Ion Ratio Lower Upper

95 100

174 63.9 51.7 77.5

175 4.6 3.8 5.8

