

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
 Data File : VL033528.D
 Acq On : 30 Mar 2019 8:15
 Operator : SY/AP
 Sample : QC032719 CAN 10266
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 QC032719 CAN 10266

Quant Time: Mar 31 00:51:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	718782	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1635084	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1590780	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1244834	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

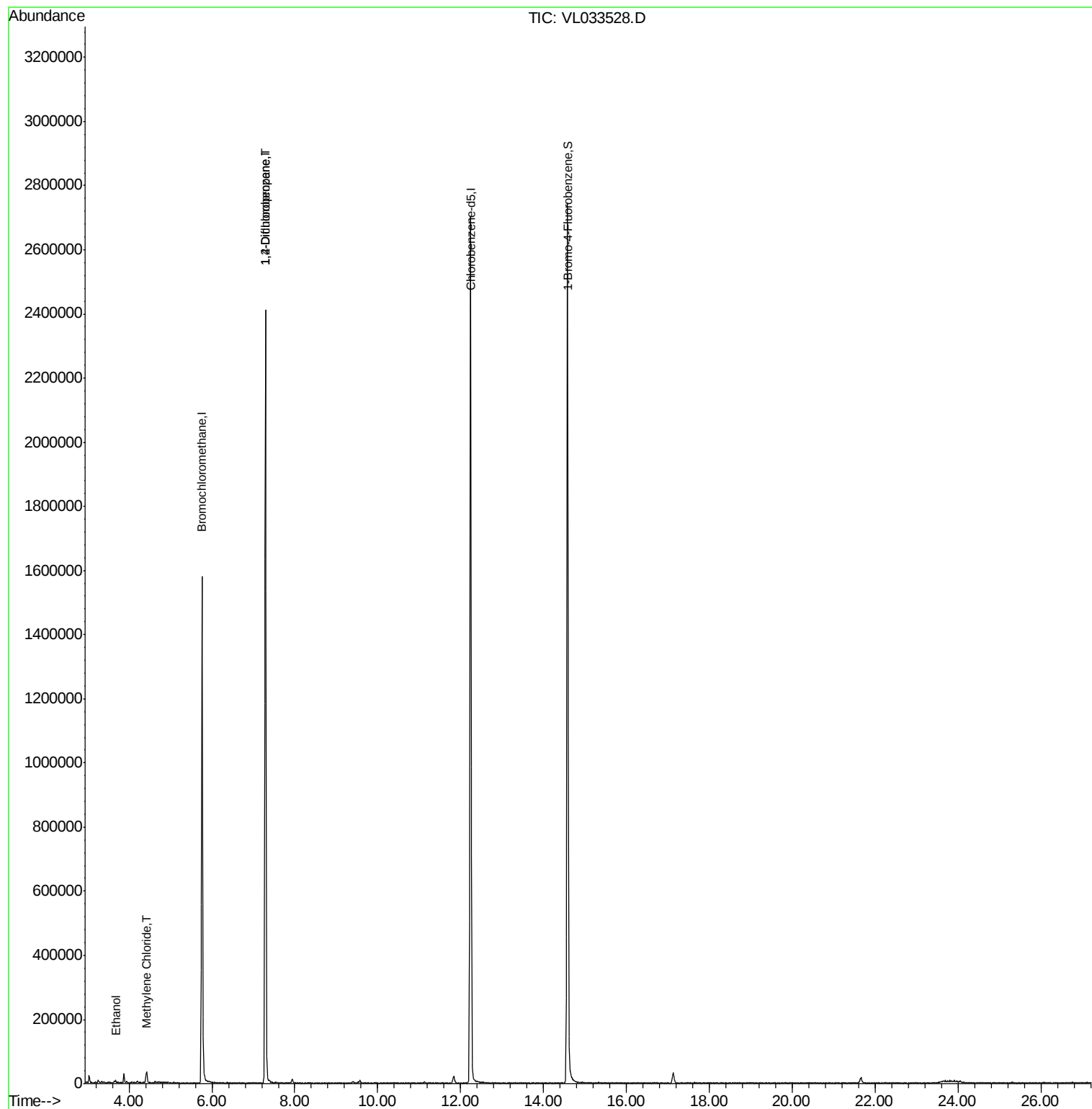
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.67	45	2258	0.251	ppbv	90
20) Methylene Chloride	4.41	84	7440	0.203	ppbv #	79
39) 1,2-Dichloropropane	7.29	63	441800	8.221	ppbv #	24

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

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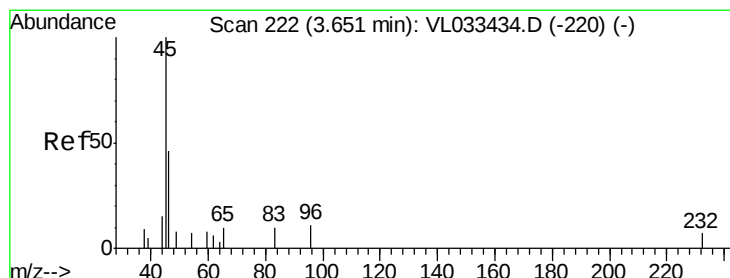
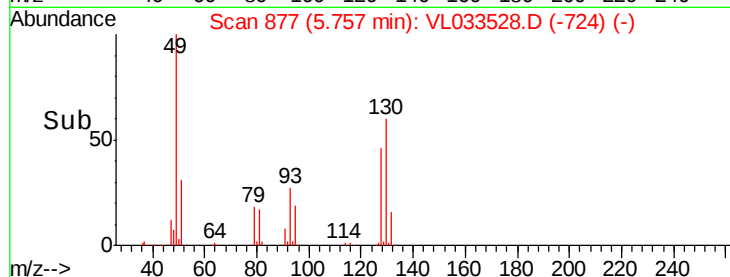
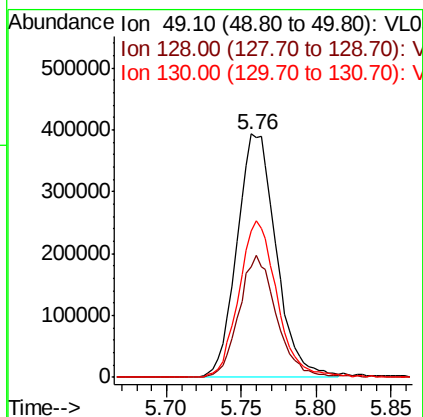
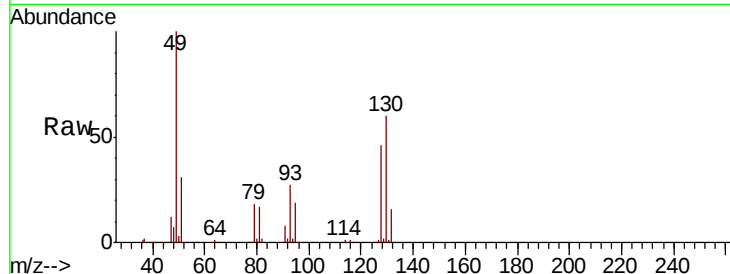




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033528.D
Acq: 30 Mar 2019 8:15

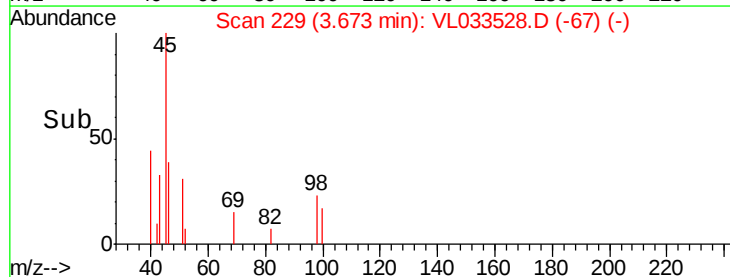
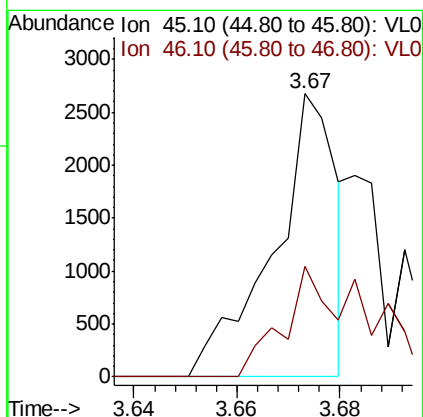
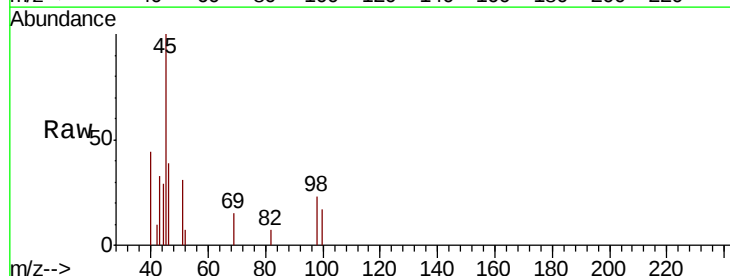
Instrument :
MSVOA_V
ClientSampleId :
QC032719 CAN 10266

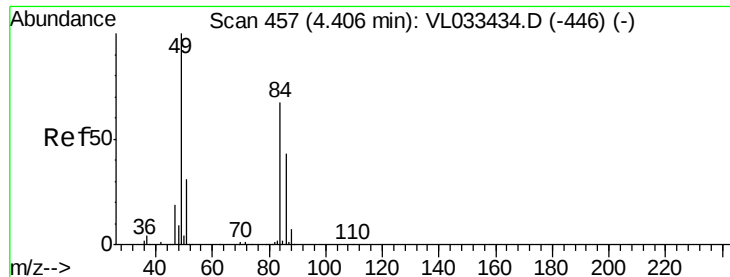
Tgt Ion: 49 Resp: 718782
Ion Ratio Lower Upper
49 100
128 48.5 24.0 72.0
130 62.8 31.2 93.6



#13
Ethanol
Concen: 0.251 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL033528.D
Acq: 30 Mar 2019 8:15

Tgt Ion: 45 Resp: 2258
Ion Ratio Lower Upper
45 100
46 55.5 25.4 101.8

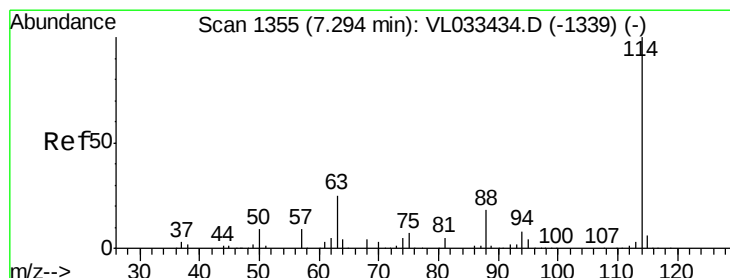
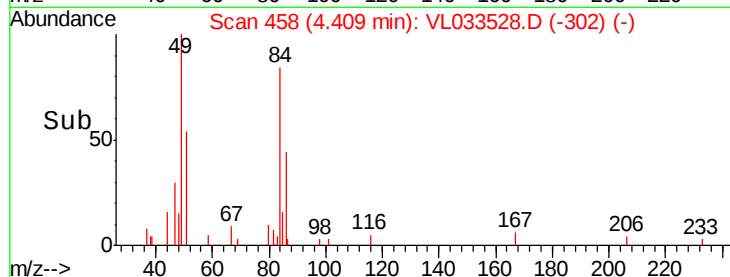
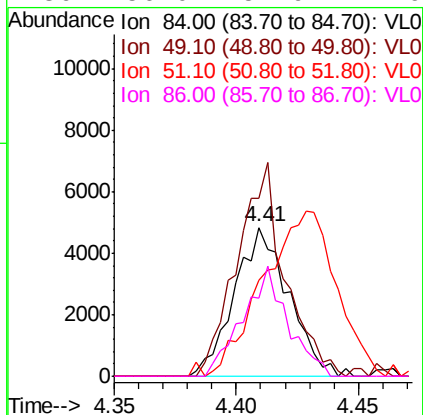
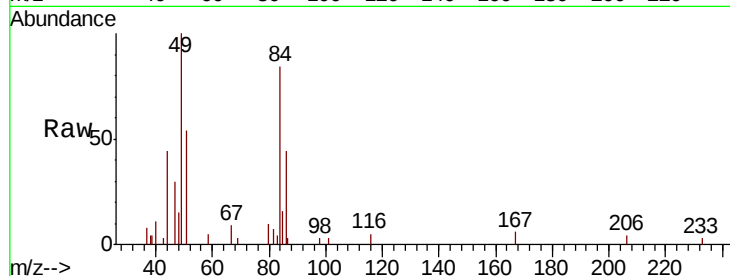




#20
Methylene Chloride
Concen: 0.203 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033528.D
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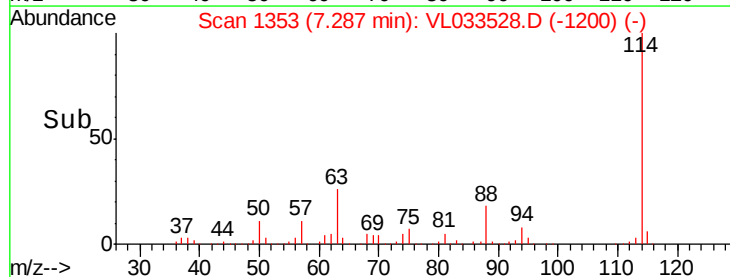
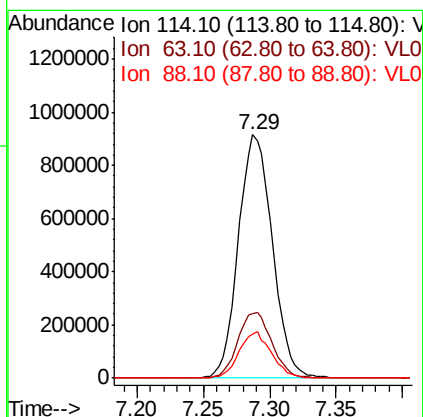
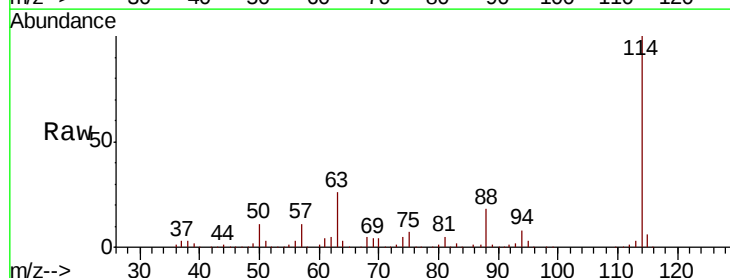
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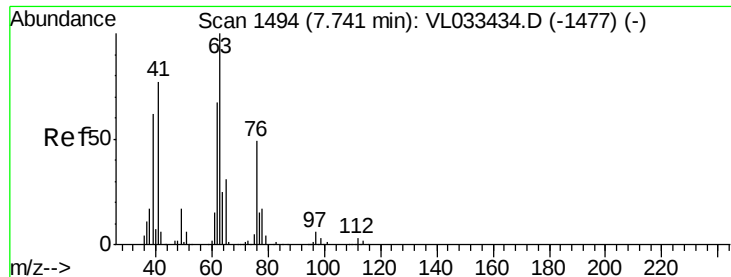
Tgt Ion: 84 Resp: 7440
Ion Ratio Lower Upper
84 100
49 119.8 120.0 180.0#
51 64.3 36.7 55.1#
86 56.0 51.9 77.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033528.D
Acq: 30 Mar 2019 8:15

Tgt Ion: 114 Resp: 1635084
Ion Ratio Lower Upper
114 100
63 27.1 21.5 32.3
88 18.1 14.5 21.7

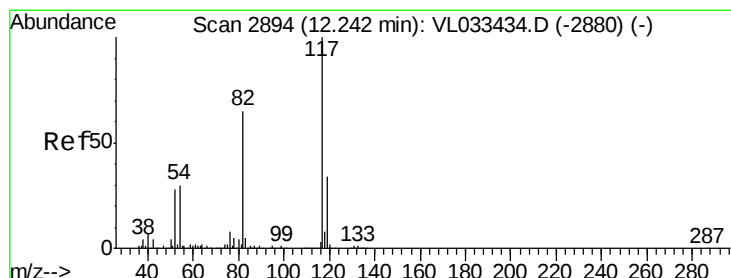
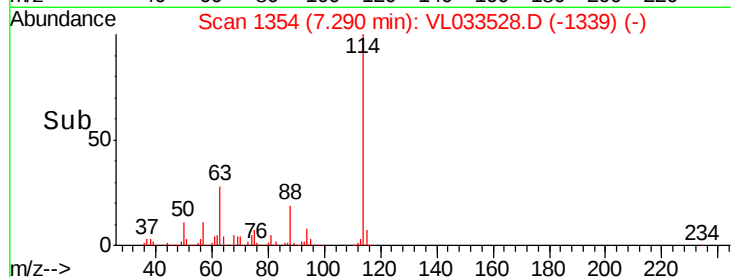
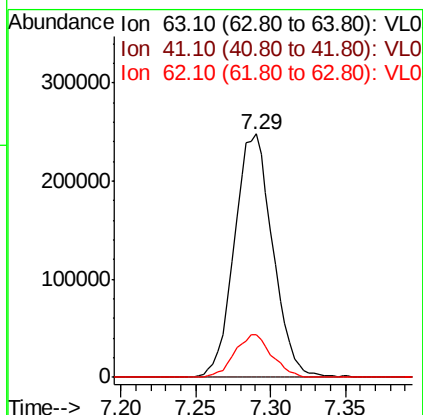
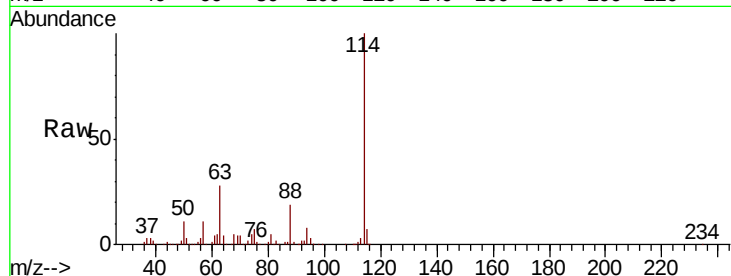




#39
 1,2-Dichloropropane
 Concen: 8.221 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL033528.D
 Acq: 30 Mar 2019 8:15

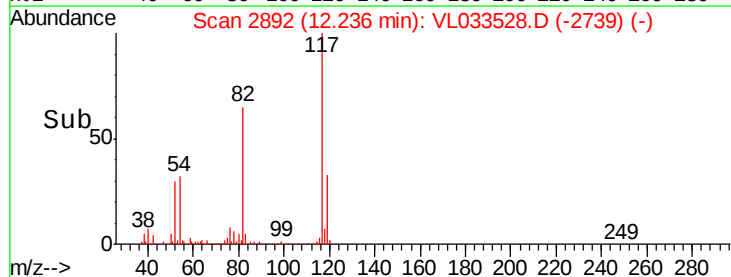
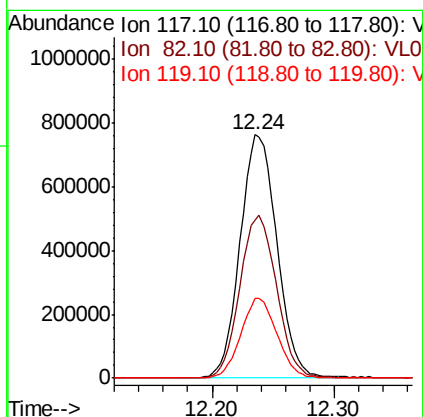
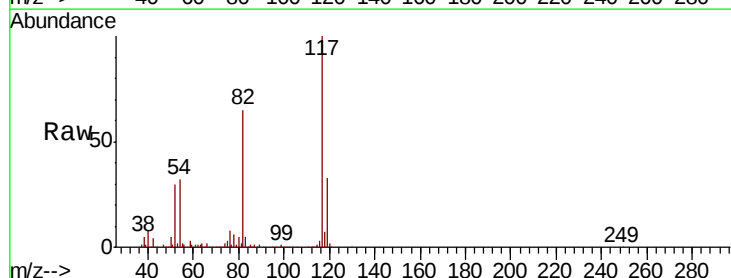
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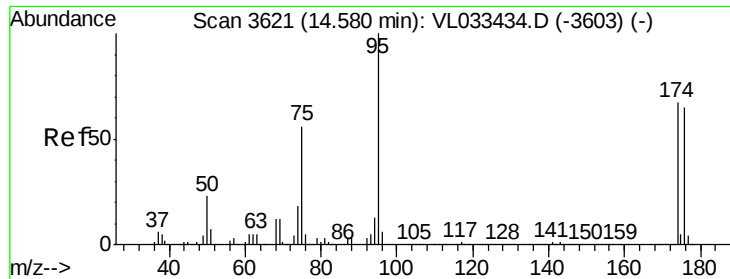
Tgt Ion: 63 Resp: 441800
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.2 91.8#
 62 17.6 54.0 81.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033528.D
 Acq: 30 Mar 2019 8:15

Tgt Ion: 117 Resp: 1590780
 Ion Ratio Lower Upper
 117 100
 82 67.1 51.5 77.3
 119 32.3 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.982 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033528.D

Acq: 30 Mar 2019 8:15

Instrument :

MSVOA_V

ClientSampleId :

QC032719 CAN 10266

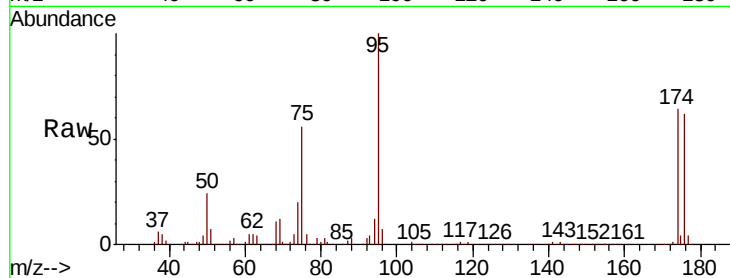
Tgt Ion: 95 Resp: 1244834

Ion Ratio Lower Upper

95 100

174 65.4 52.9 79.3

175 4.7 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

