

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036347.D
 Acq On : 24 Feb 2021 12:35
 Operator : SY/AP
 Sample : OC022221 CAN 10198
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC022221 CAN 10198

Quant Time: Feb 25 05:17:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1696184	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3725236	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3345309	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2707427	9.84	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

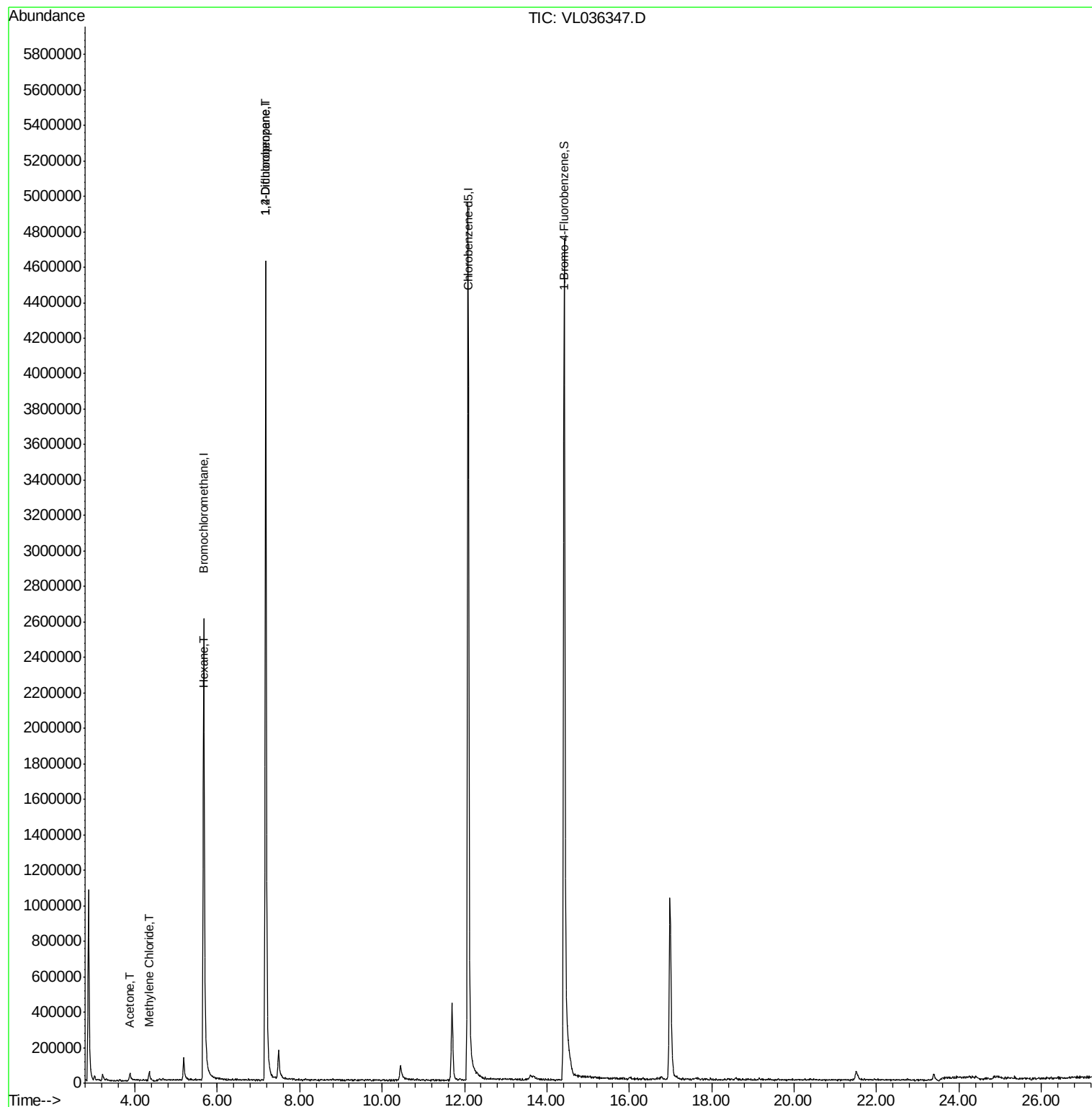
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	36224	0.175	ppbv #	1
20) Methylene Chloride	4.34	84	8515	0.127	ppbv #	68
26) Hexane	5.69	57	6576	0.040	ppbv #	36
39) 1,2-Dichloropropane	7.17	63	1059643	8.243	ppbv #	23

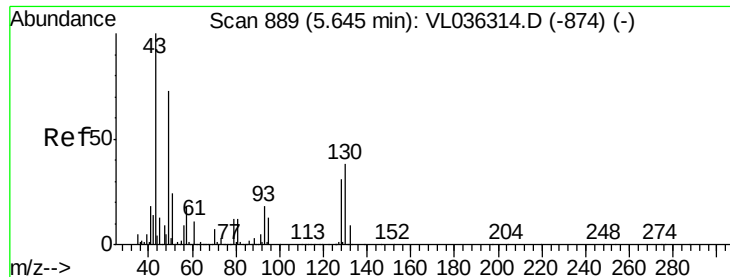
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL036347.D

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Instrument :

MSVOA_L

ClientSampleId :

QC022221 CAN 10198

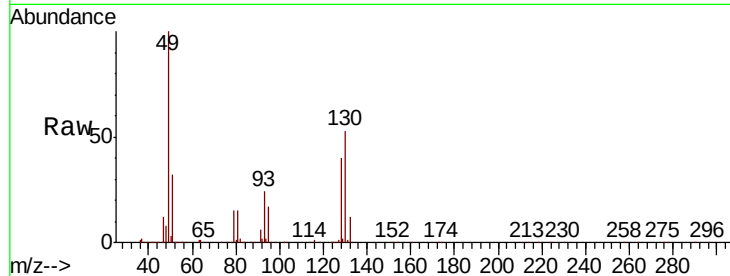
Tot Ion: 49 Resp: 1696184

Ion Ratio Lower Upper

49 100

128 42.0 20.8 62.5

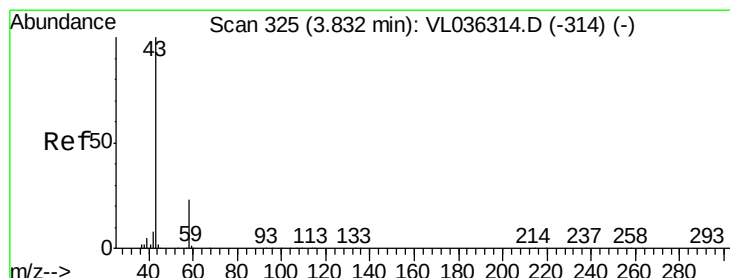
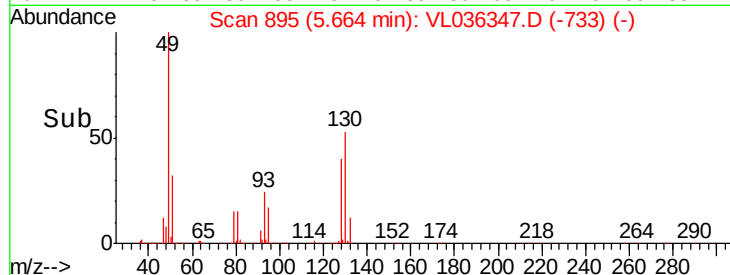
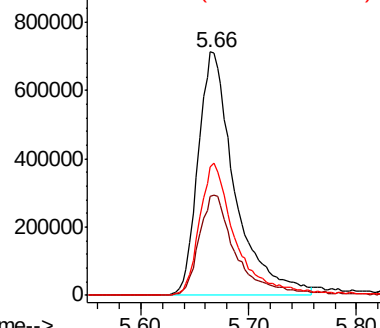
130 54.4 26.7 80.1



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



#15

Acetone

Concen: 0.175 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.04 min

Lab File: VL036347.D

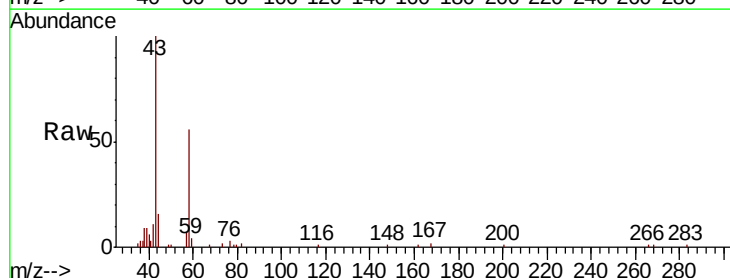
Acq: 24 Feb 2021 12:35

Tgt Ion: 43 Resp: 36224

Ion Ratio Lower Upper

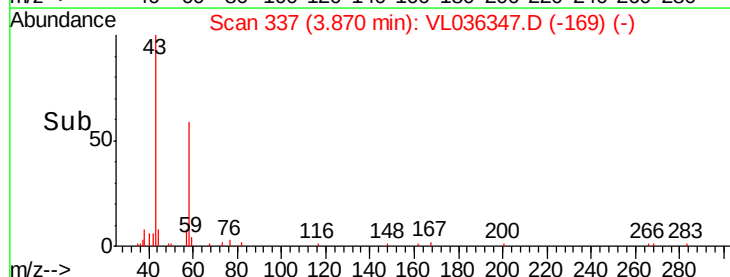
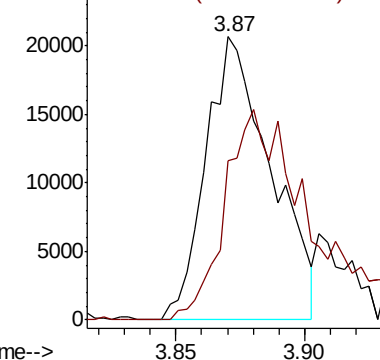
43 100

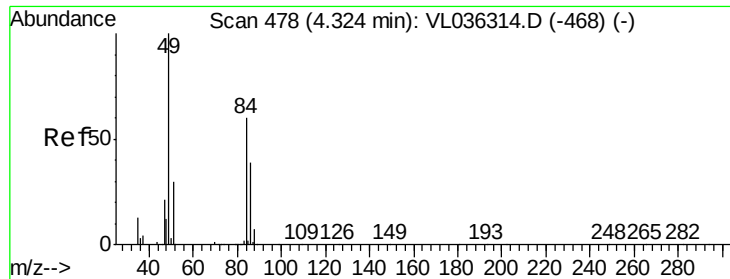
58 104.6 20.3 30.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

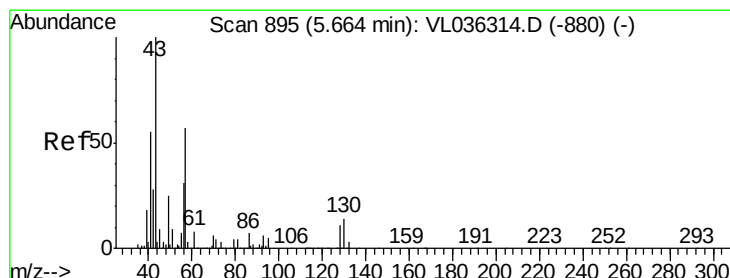
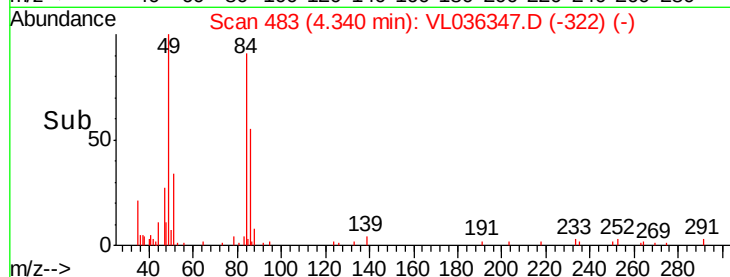
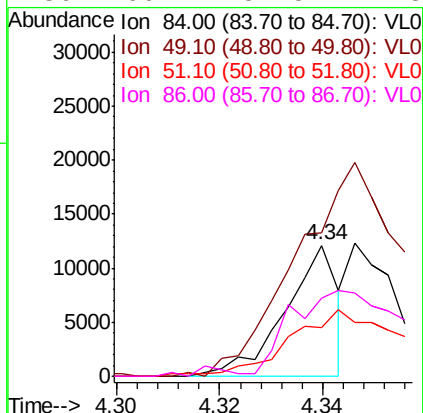
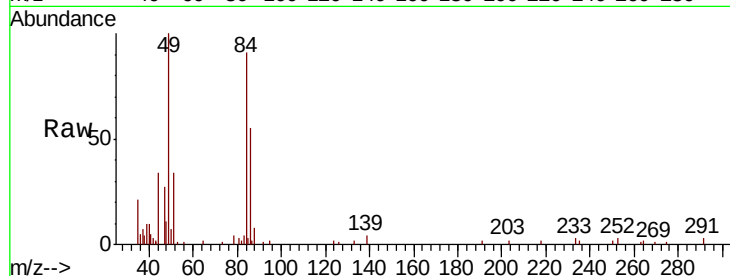




#20
Methvlene Chloride
Concen: 0.127 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.02 min
Lab File: VL036347.D
Acq: 24 Feb 2021 12:35

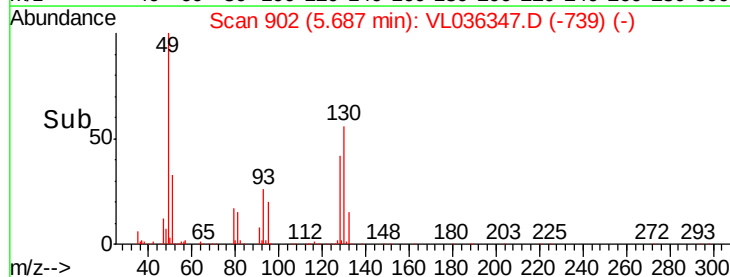
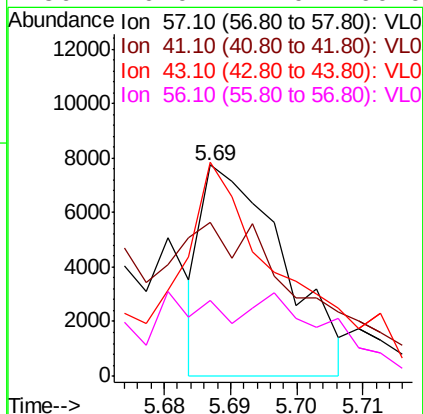
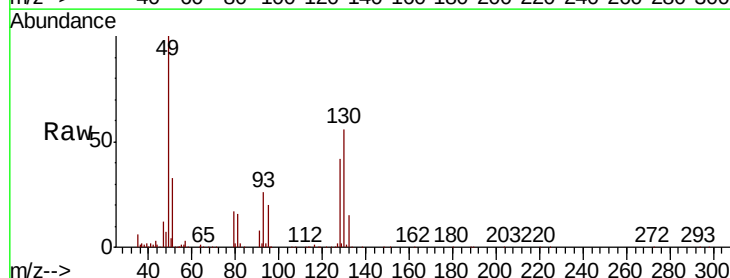
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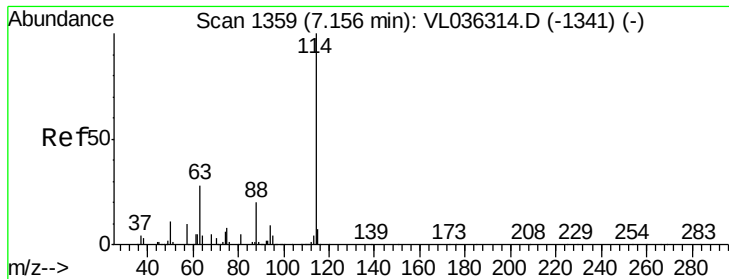
Tot Ion: 84 Resp: 8515
Ion Ratio Lower Upper
84 100
49 106.8 133.8 200.8#
51 36.1 41.4 62.0#
86 60.2 51.5 77.3



#26
Hexane
Concen: 0.040 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036347.D
Acq: 24 Feb 2021 12:35

Tgt Ion: 57 Resp: 6576
Ion Ratio Lower Upper
57 100
41 221.0 81.7 122.5#
43 179.9 199.1 298.7#
56 0.0 44.0 66.0#

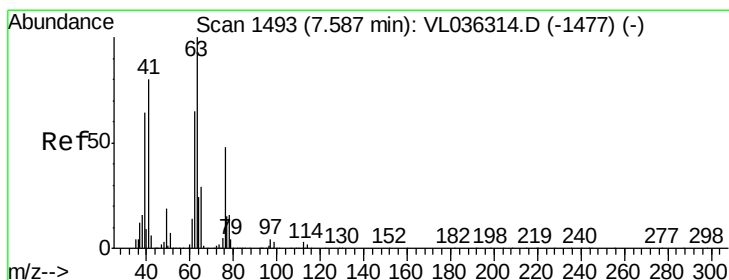
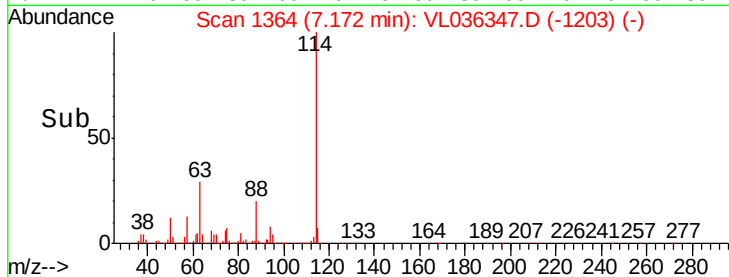
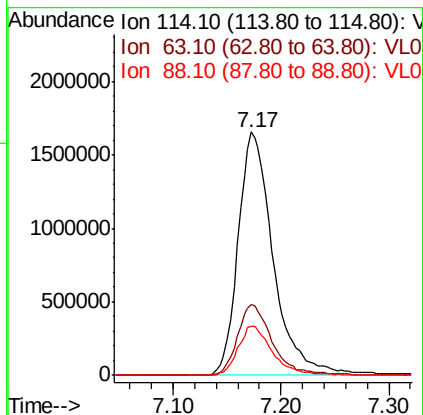
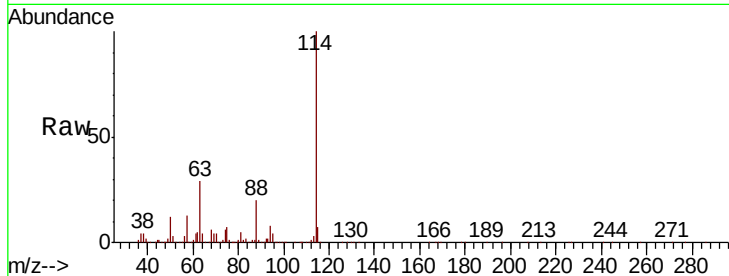




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL036347.D
 Acq: 24 Feb 2021 12:35

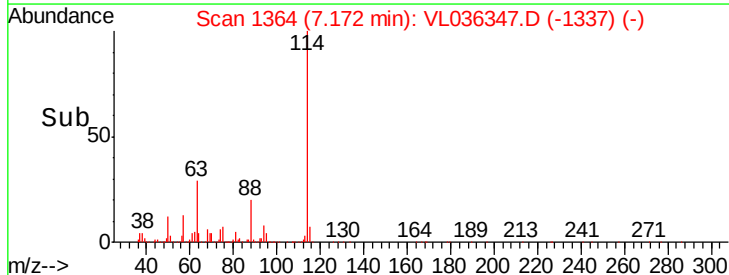
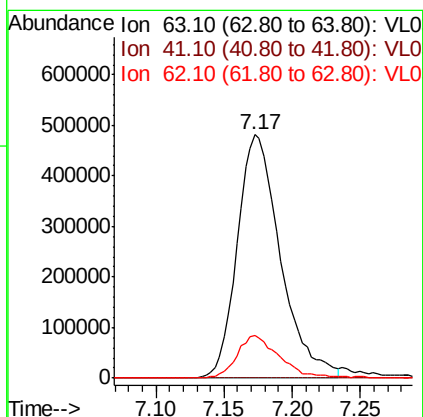
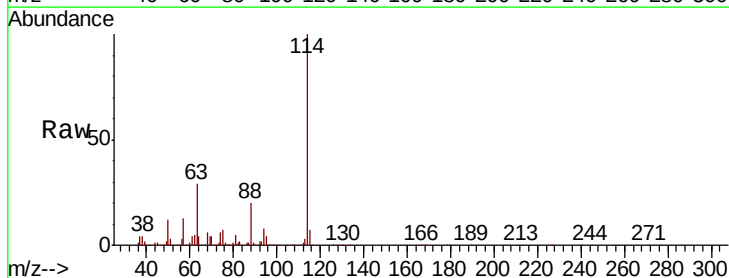
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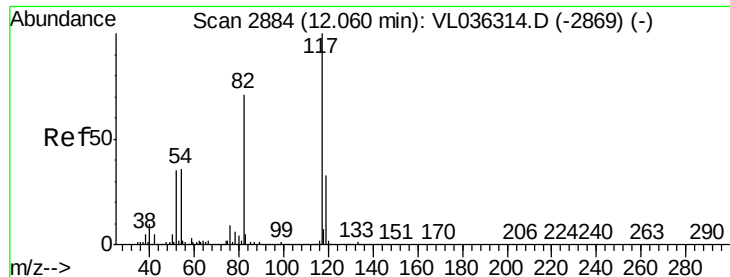
Tot Ion:114 Resp: 3725236
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 20.3 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 8.243 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.41 min
 Lab File: VL036347.D
 Acq: 24 Feb 2021 12:35

Tgt Ion: 63 Resp: 1059643
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.8 95.6#
 62 17.3 52.3 78.5#

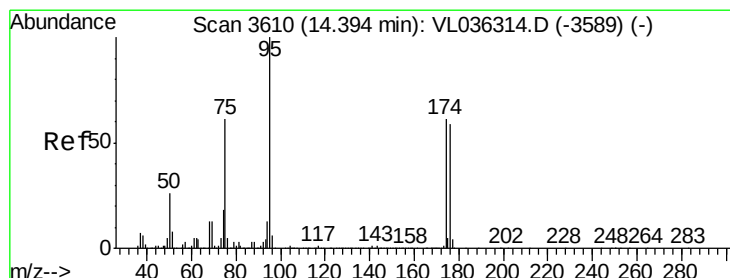
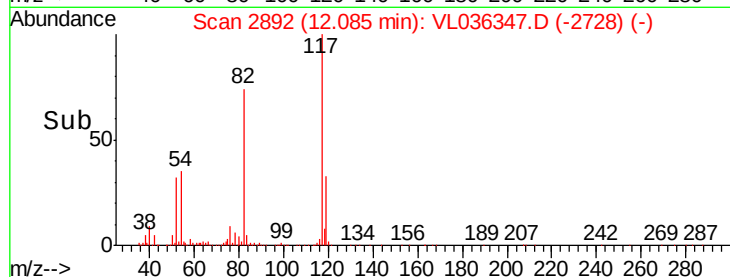
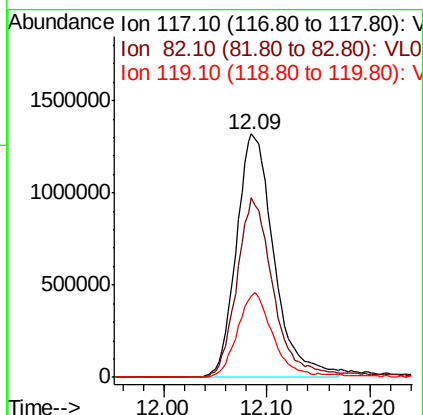
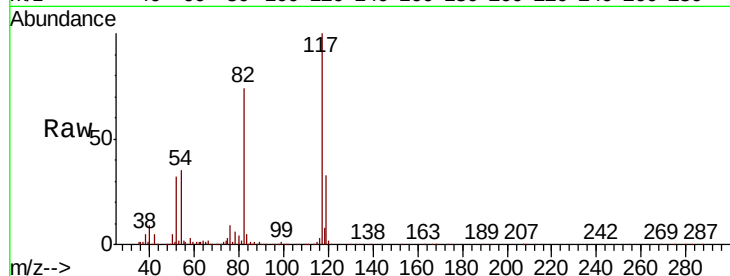




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL036347.D
Acq: 24 Feb 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
QC022221 CAN 10198

Tot Ion:117 Resp: 3345309
Ion Ratio Lower Upper
117 100
82 73.9 59.1 88.7
119 34.3 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.837 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL036347.D
Acq: 24 Feb 2021 12:35

Tgt Ion: 95 Resp: 2707427
Ion Ratio Lower Upper
95 100
174 65.4 49.8 74.6
175 4.9 3.7 5.5

