

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035375.D
 Acq On : 10 Aug 2020 15:38
 Operator : SY/AP
 Sample : OC080320 CAN 10439
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC080320 CAN 10439

Quant Time: Aug 11 04:16:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1187816	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2934160	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2831240	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2387612	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

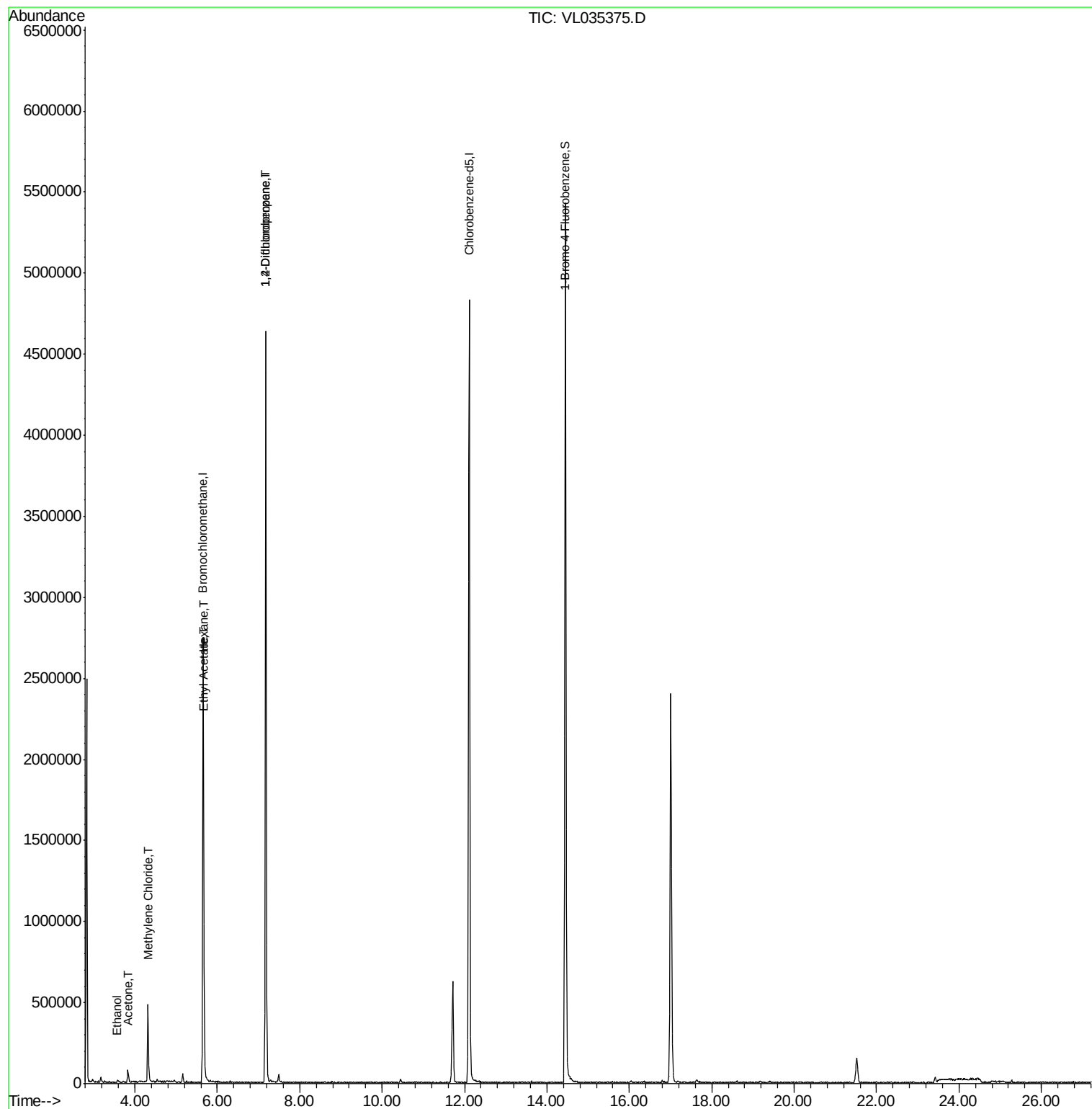
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.56	45	577	0.035	ppbv #	37
15) Acetone	3.83	43	65209	0.387	ppbv #	68
20) Methylene Chloride	4.32	84	163349	2.375	ppbv	96
25) Ethyl Acetate	5.67	43	61415	0.240	ppbv #	77
26) Hexane	5.67	57	86641	0.779	ppbv #	39
39) 1,2-Dichloropropane	7.17	63	788849	9.835	ppbv #	23

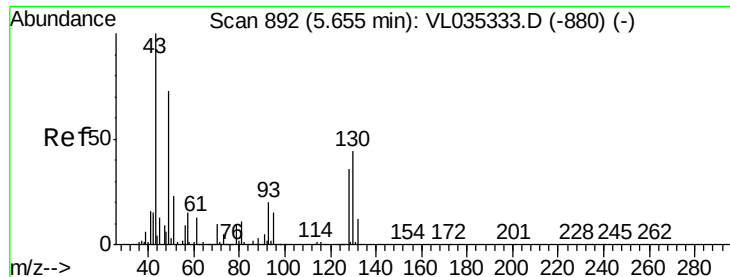
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL035375.D

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Instrument :

MSVOA_L

ClientSampleId :

QC080320 CAN 10439

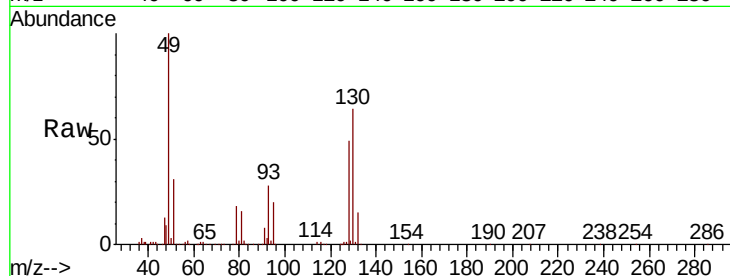
Tot Ion: 49 Resp: 1187816

Ion Ratio Lower Upper

49 100

128 51.0 25.4 76.0

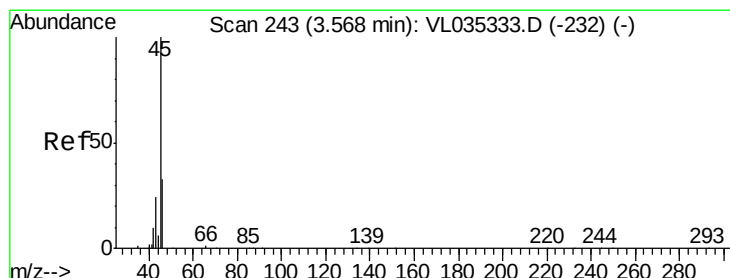
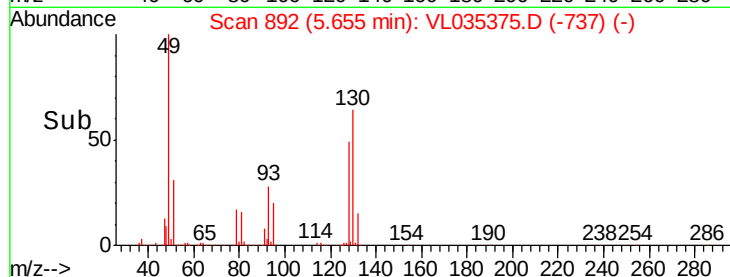
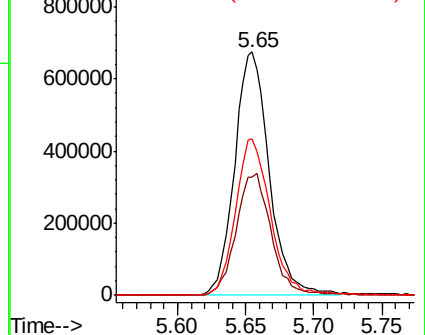
130 65.4 32.1 96.3



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



#13

Ethanol

Concen: 0.035 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035375.D

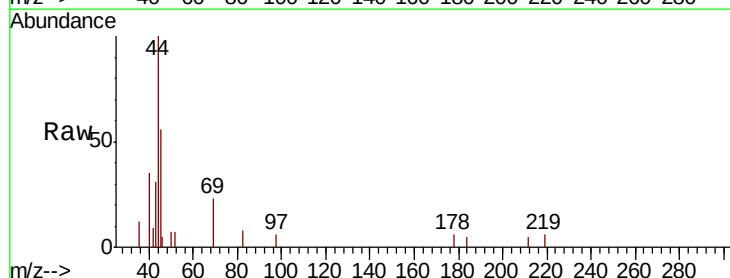
Acq: 10 Aug 2020 15:38

Tgt Ion: 45 Resp: 577

Ion Ratio Lower Upper

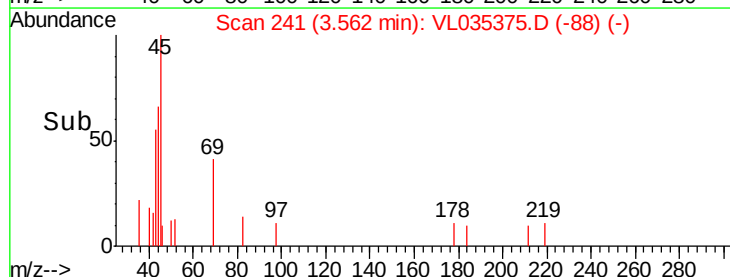
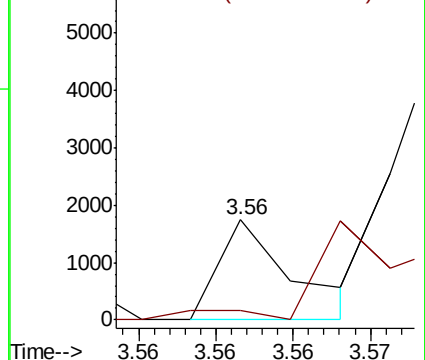
45 100

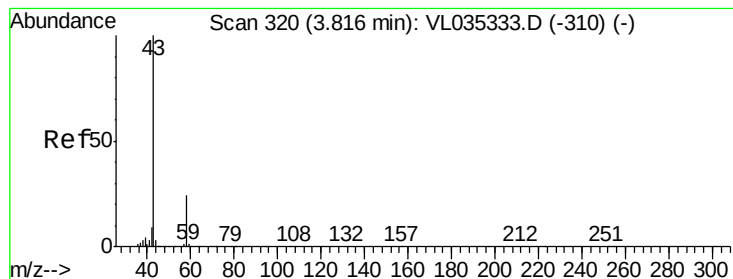
46 0.0 15.2 61.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.387 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.01 min

Lab File: VL035375.D

Acq: 10 Aug 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

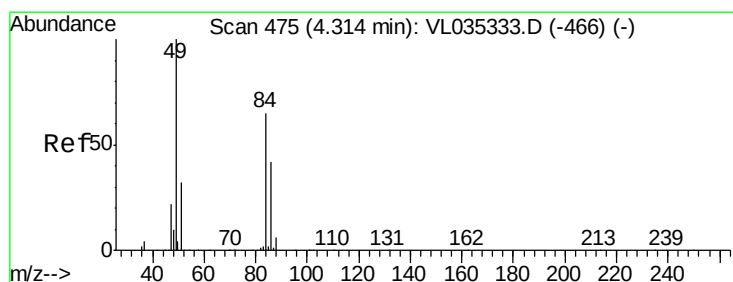
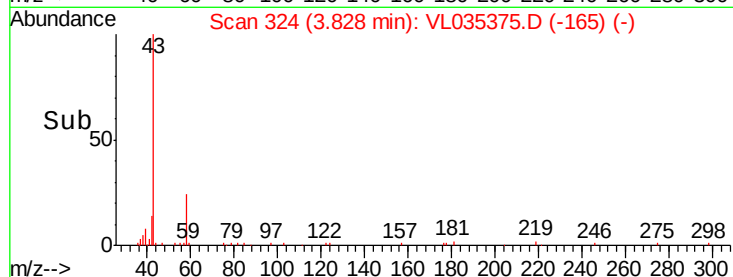
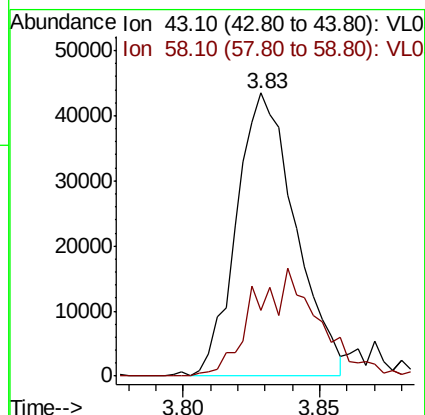
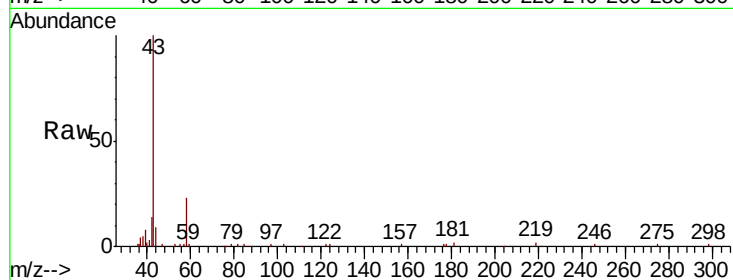
QC080320 CAN 10439

Tot Ion: 43 Resp: 65209

Ion Ratio Lower Upper

43 100

58 42.5 21.0 31.4#



#20

Methylene Chloride

Concen: 2.375 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035375.D

Acq: 10 Aug 2020 15:38

Tgt Ion: 84 Resp: 163349

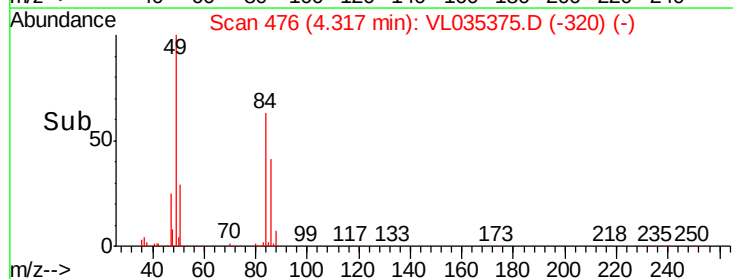
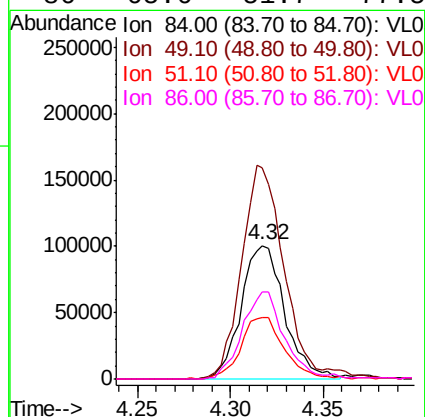
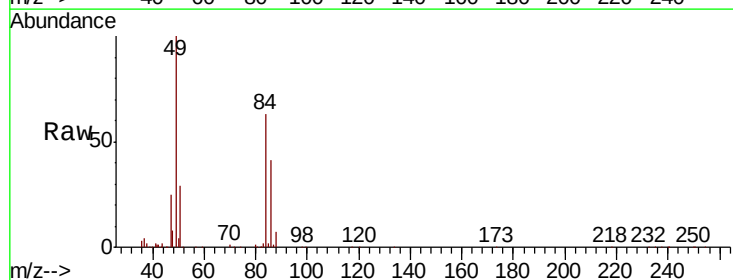
Ion Ratio Lower Upper

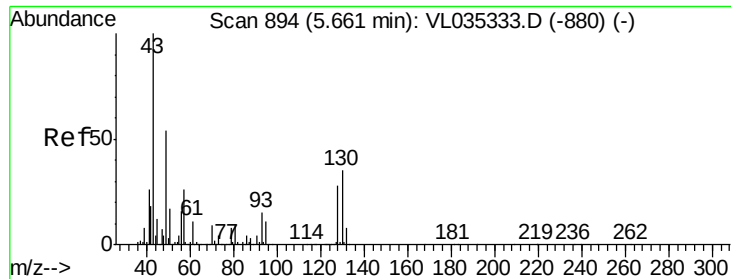
84 100

49 158.5 122.8 184.2

51 45.7 40.1 60.1

86 65.6 51.7 77.5

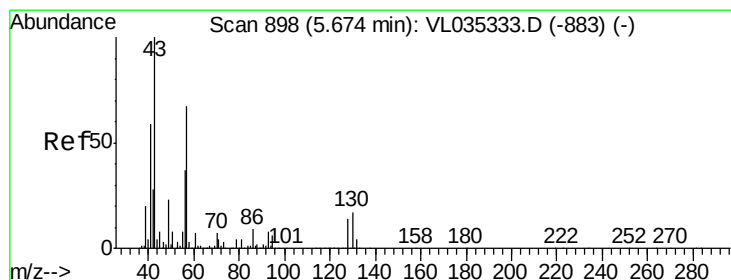
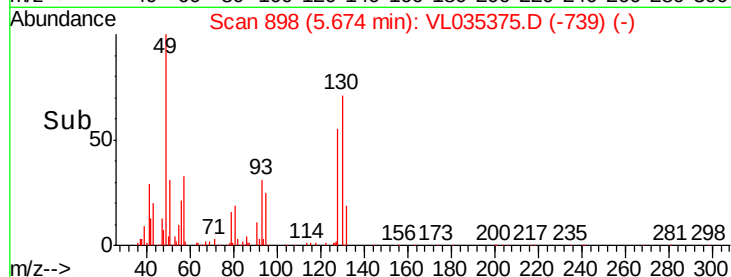
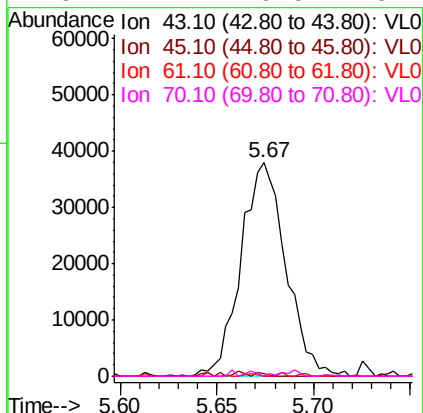
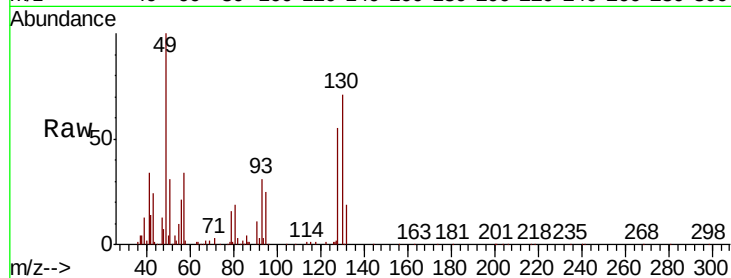




#25
Ethyl Acetate
Concen: 0.240 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL035375.D
Acq: 10 Aug 2020 15:38

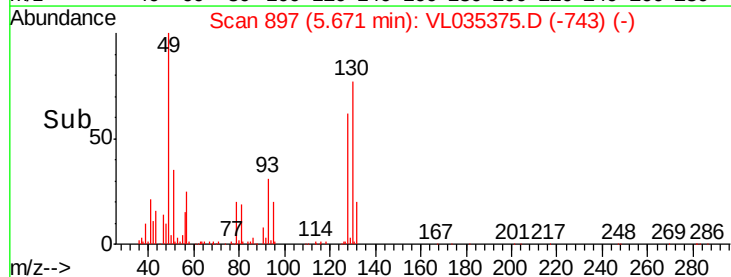
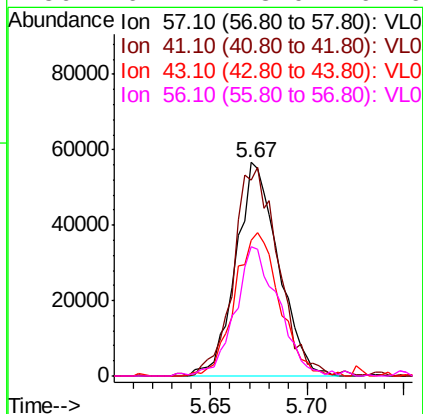
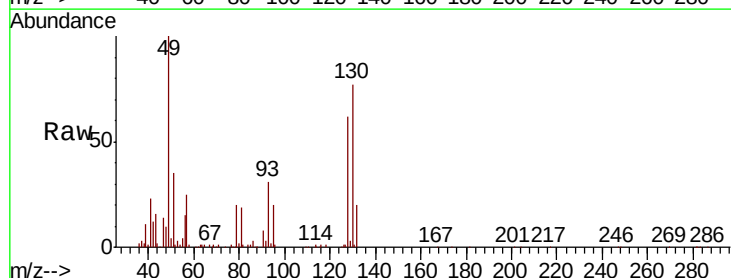
Instrument :
MSVOA_L
ClientSampleId :
QC080320 CAN 10439

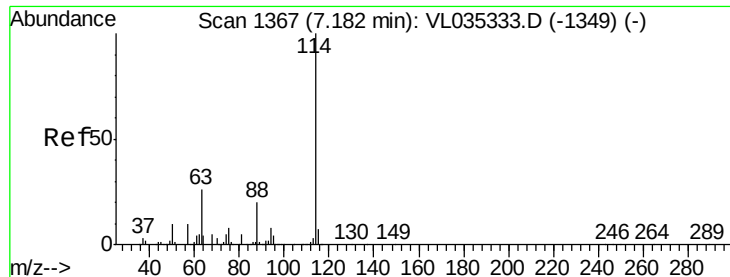
Tot Ion:	43	Resp:	61415
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.5	12.7#
61	0.6	8.1	12.1#
70	2.2	6.5	9.7#



#26
Hexane
Concen: 0.779 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035375.D
Acq: 10 Aug 2020 15:38

Tgt Ion:	57	Resp:	86641
Ion	Ratio	Lower	Upper
57	100		
41	103.6	75.2	112.8
43	71.1	180.6	270.8#
56	62.1	43.0	64.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL035375.D

Acq: 10 Aug 2020 15:38

Instrument :

MSVOA_L

ClientSampleId :

QC080320 CAN 10439

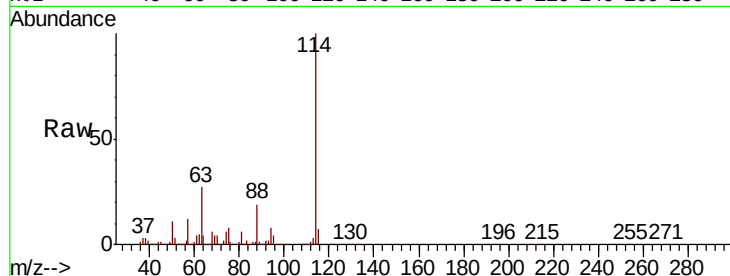
Tot Ion:114 Resp: 2934160

Ion Ratio Lower Upper

114 100

63 27.1 21.3 31.9

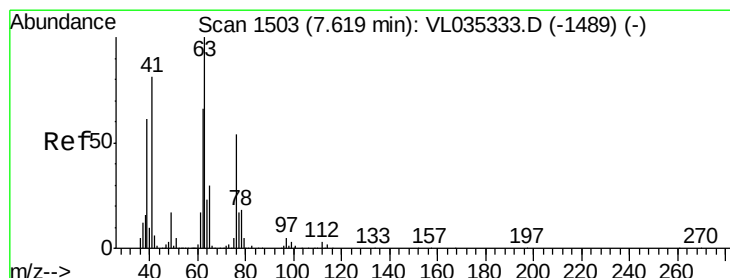
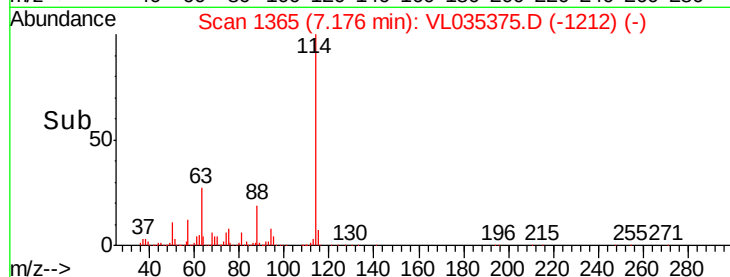
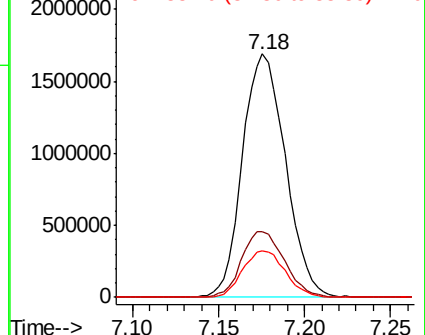
88 19.1 15.3 22.9



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: 9.835 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL035375.D

Acq: 10 Aug 2020 15:38

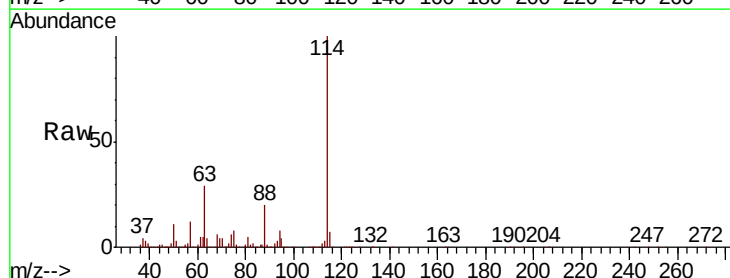
Tgt Ion: 63 Resp: 788849

Ion Ratio Lower Upper

63 100

41 0.1 64.4 96.6#

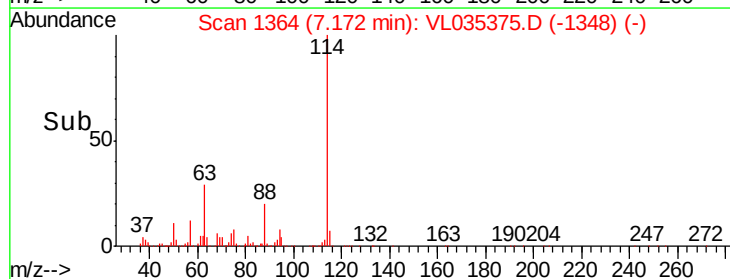
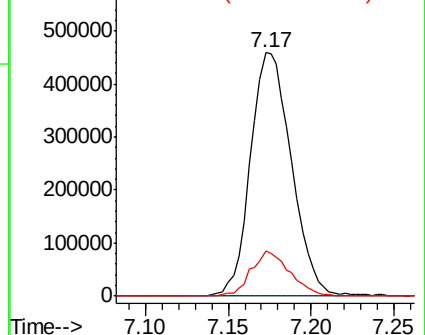
62 18.6 52.6 78.8#

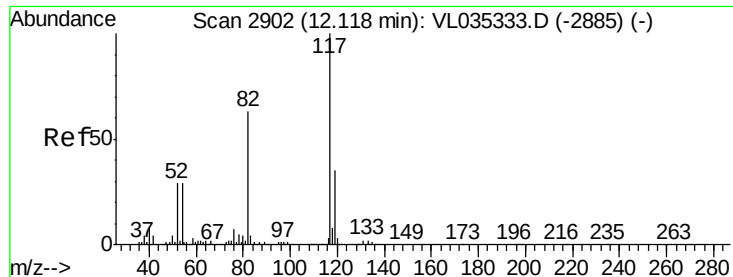


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

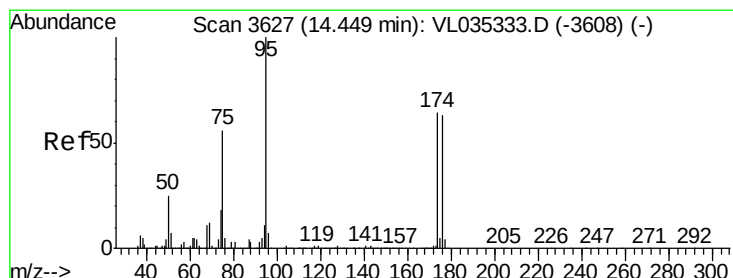
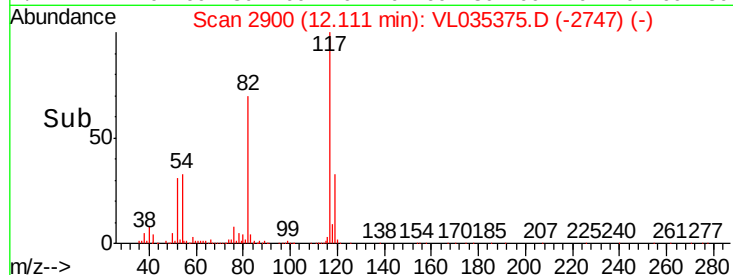
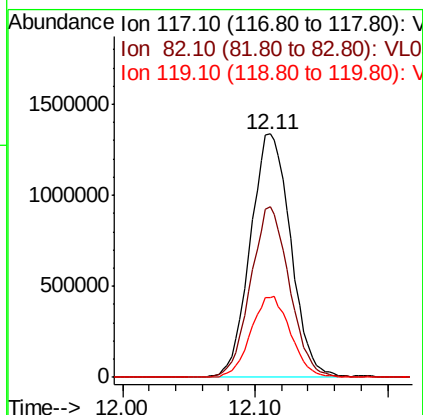
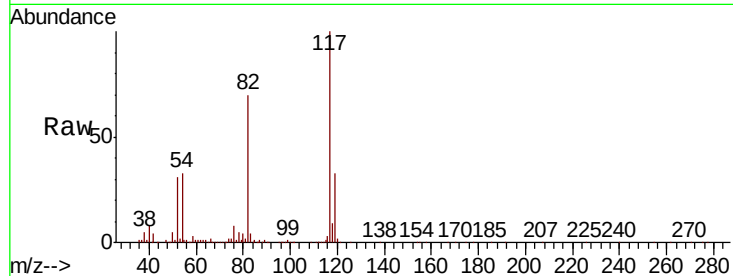




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL035375.D
Acq: 10 Aug 2020 15:38

Instrument :
MSVOA_L
ClientSampleId :
QC080320 CAN 10439

Tot Ion:117 Resp: 2831240
Ion Ratio Lower Upper
117 100
82 68.0 51.0 76.4
119 32.8 24.7 37.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.113 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. -0.00 min
Lab File: VL035375.D
Acq: 10 Aug 2020 15:38

Tgt Ion: 95 Resp: 2387612
Ion Ratio Lower Upper
95 100
174 66.7 53.5 80.3
175 5.2 4.2 6.2

