

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090320\
 Data File : VL035531.D
 Acq On : 3 Sep 2020 15:11
 Operator : SY/AP
 Sample : OC090220 CAN 10401
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090220 CAN 10401

Quant Time: Sep 04 06:45:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1029502	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4307249	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4391027	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3170713	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

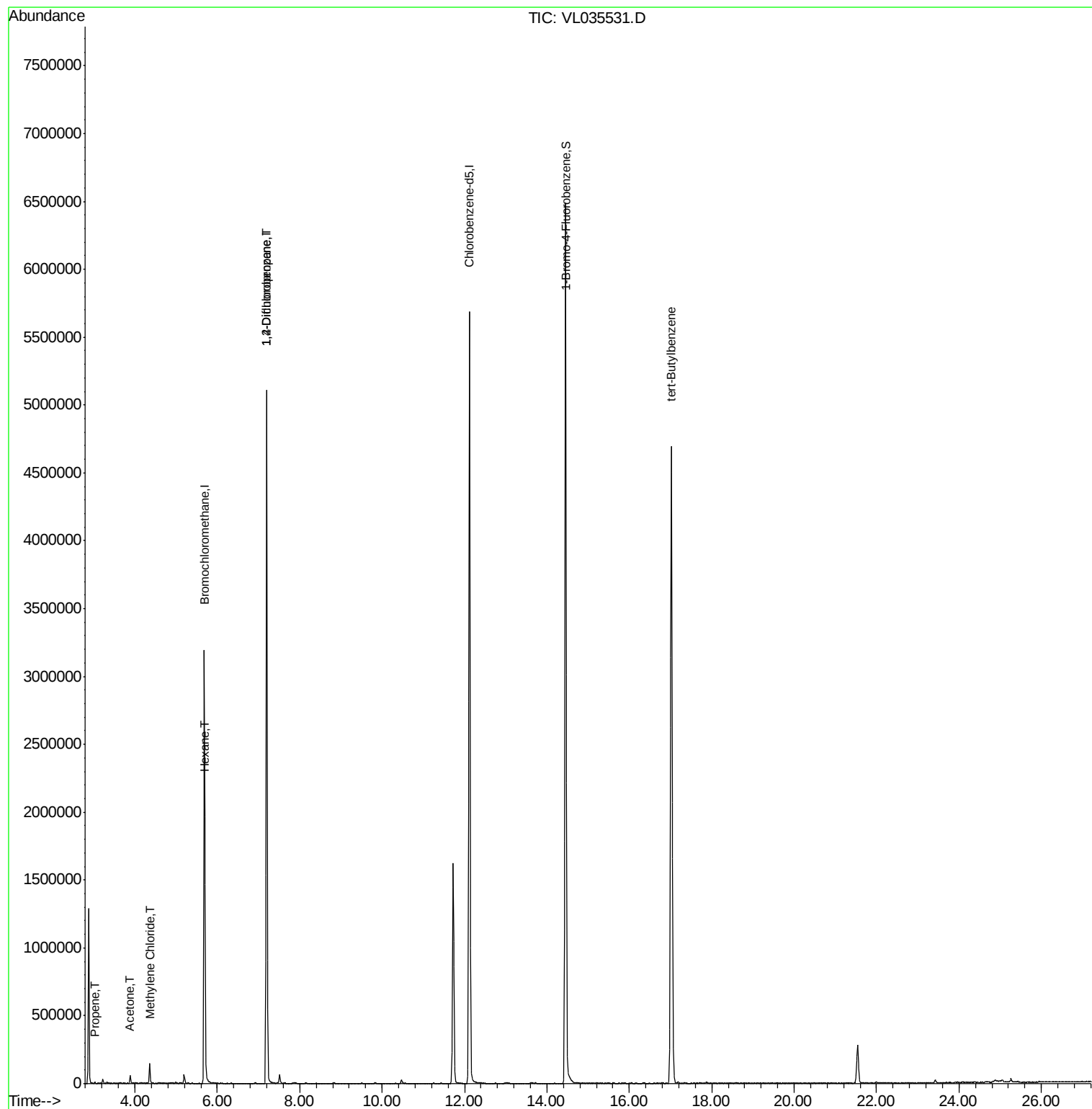
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	1393	0.032	ppbv #	22
15) Acetone	3.88	43	45230	0.398	ppbv #	52
20) Methylene Chloride	4.36	84	63188	0.747	ppbv	96
26) Hexane	5.71	57	11759	0.103	ppbv #	49
39) 1,2-Dichloropropane	7.20	63	784248	8.327	ppbv #	32
65) tert-Butylbenzene	17.01	119	85846	0.151	ppbv #	17

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

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QLast Update : Thu Aug 27 06:46:28 2020
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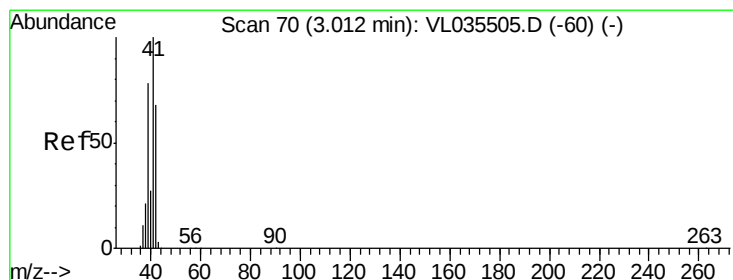
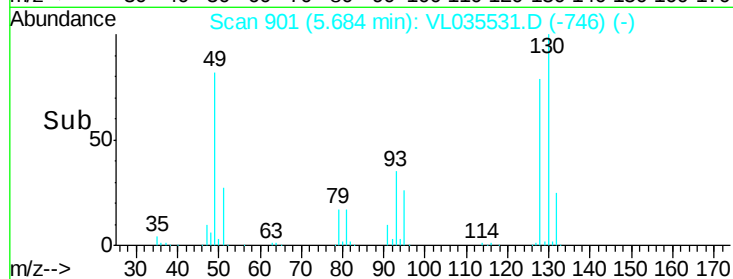
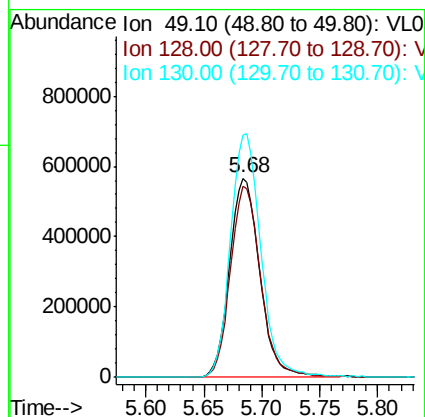
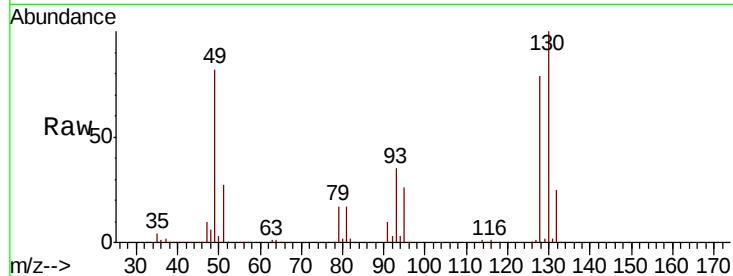




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035531.D
Acq: 3 Sep 2020 15:11

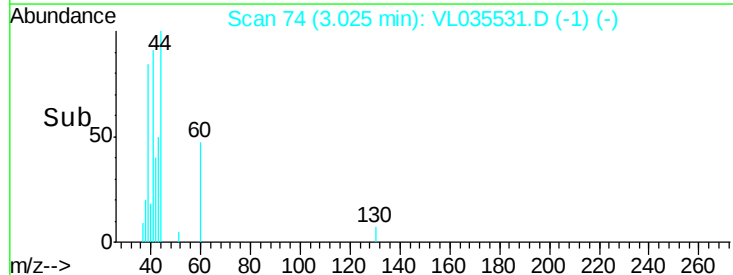
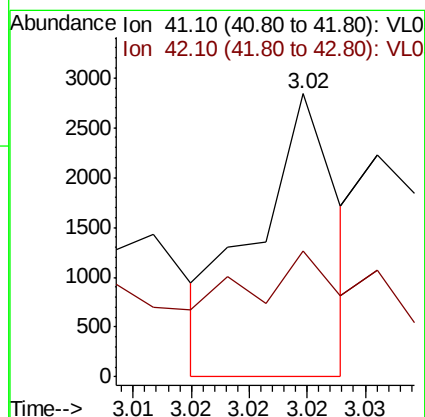
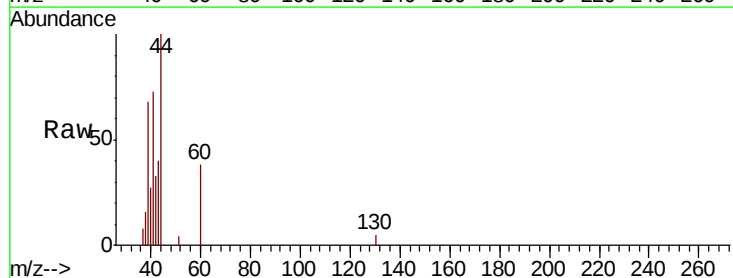
Instrument :
MSVOA_L
ClientSampleId :
QC090220 CAN 10401

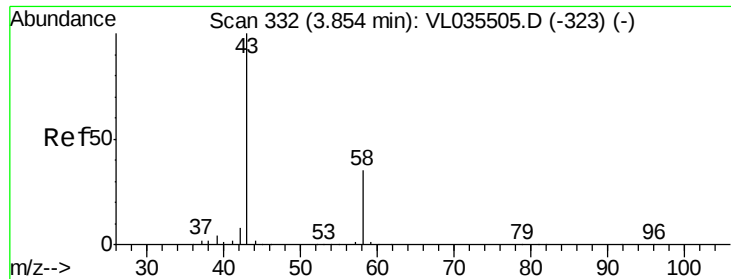
Tot Ion: 49 Resp: 1029502
Ion Ratio Lower Upper
49 100
128 96.0 50.0 150.1
130 123.2 64.4 193.2



#9
Propene
Concen: 0.032 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL035531.D
Acq: 3 Sep 2020 15:11

Tgt Ion: 41 Resp: 1393
Ion Ratio Lower Upper
41 100
42 134.7 56.3 84.5#





#15

Acetone

Concen: 0.398 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.03 min

Lab File: VL035531.D

Acq: 3 Sep 2020 15:11

Instrument :

MSVOA_L

ClientSampleId :

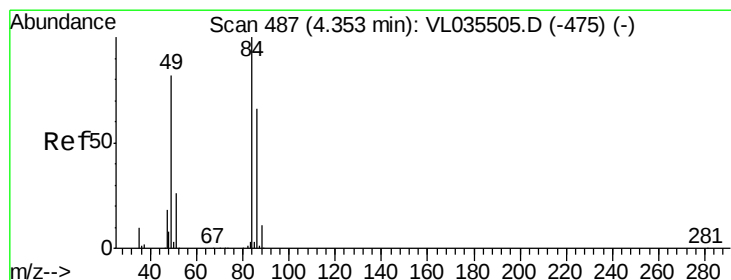
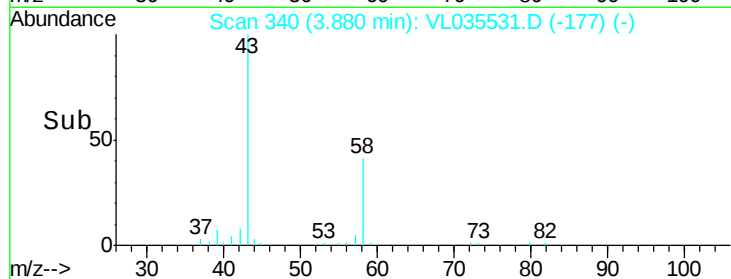
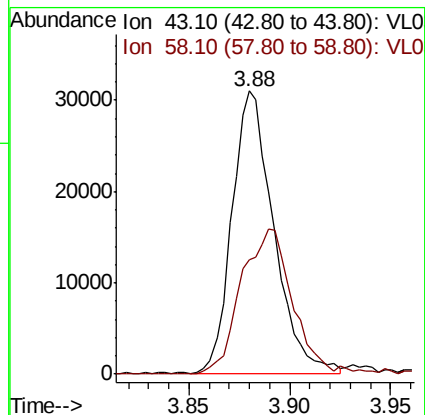
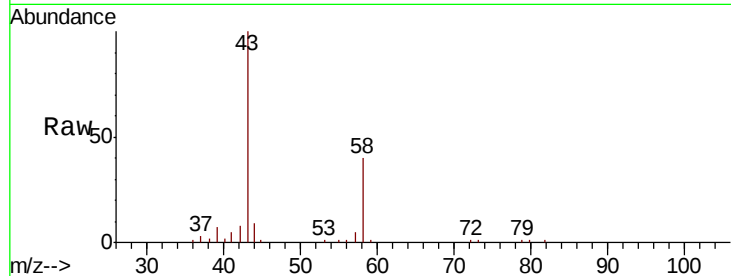
QC090220 CAN 10401

Tot Ion: 43 Resp: 45230

Ion Ratio Lower Upper

43 100

58 63.6 28.4 42.6#



#20

Methylene Chloride

Concen: 0.747 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL035531.D

Acq: 3 Sep 2020 15:11

Tgt Ion: 84 Resp: 63188

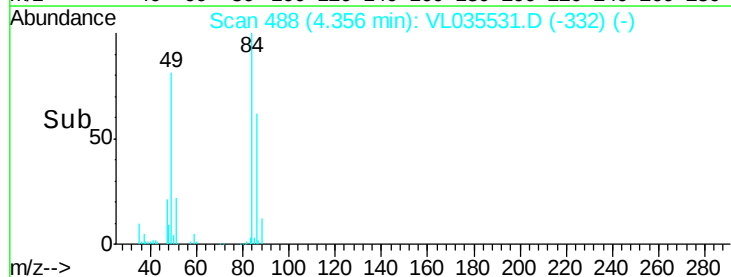
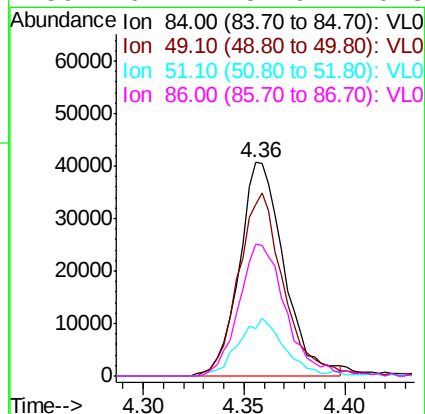
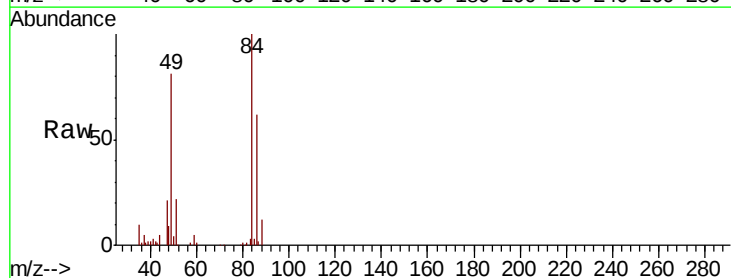
Ion Ratio Lower Upper

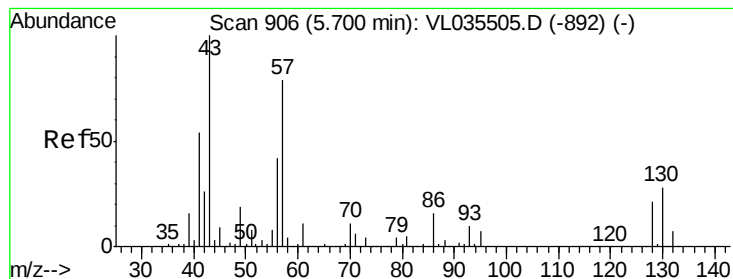
84 100

49 80.5 65.4 98.0

51 22.6 21.5 32.3

86 61.7 52.9 79.3





#26

Hexane

Concen: 0.103 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL035531.D

Acq: 3 Sep 2020 15:11

Instrument :

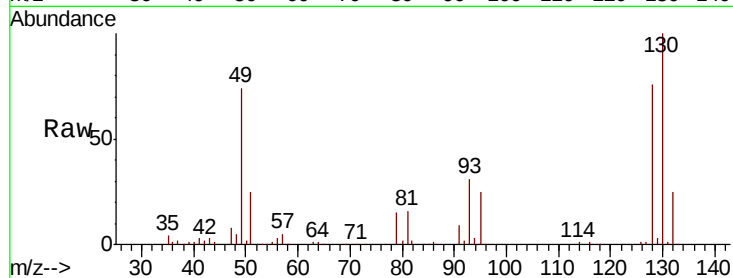
MSVOA_L

ClientSampleId :

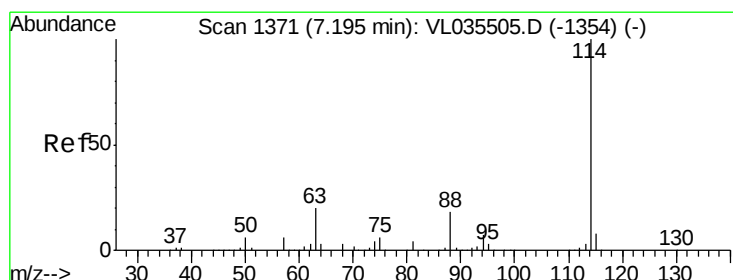
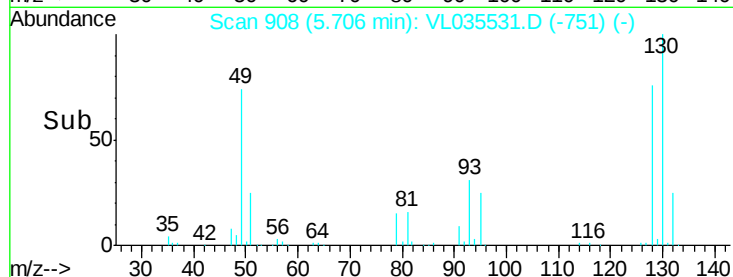
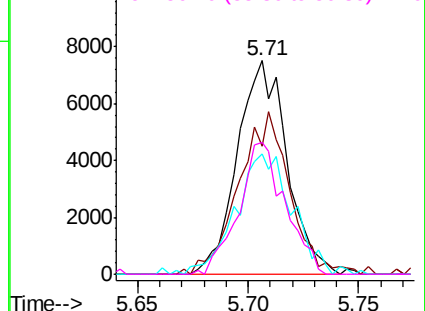
QC090220 CAN 10401

Tot Ion: 57 Resp: 11759

Ion	Ratio	Lower	Upper
57	100		
41	78.5	55.9	83.9
43	64.7	141.8	212.8#
56	57.5	41.8	62.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

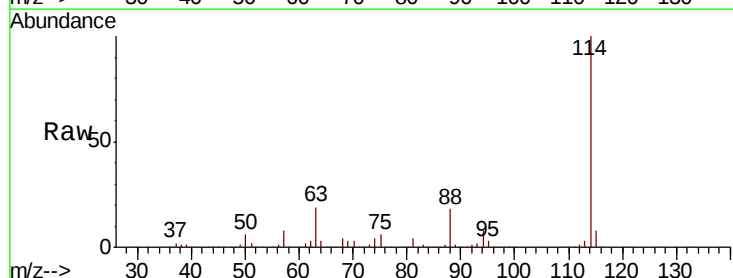
Delta R.T. 0.00 min

Lab File: VL035531.D

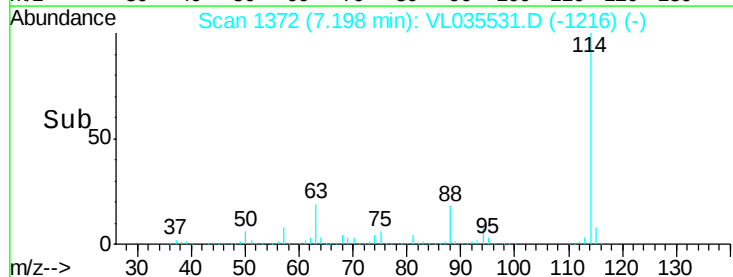
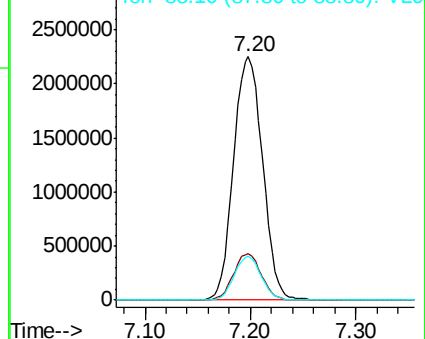
Acq: 3 Sep 2020 15:11

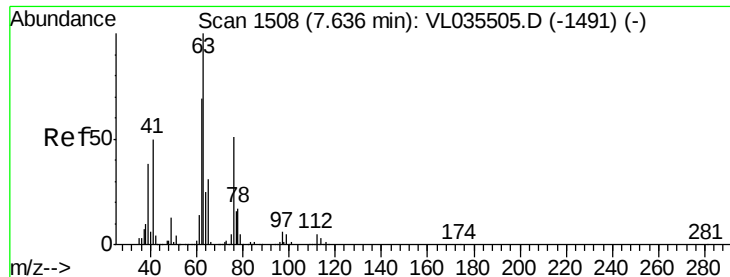
Tgt Ion: 114 Resp: 4307249

Ion	Ratio	Lower	Upper
114	100		
63	18.3	14.7	22.1
88	16.8	13.4	20.2



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

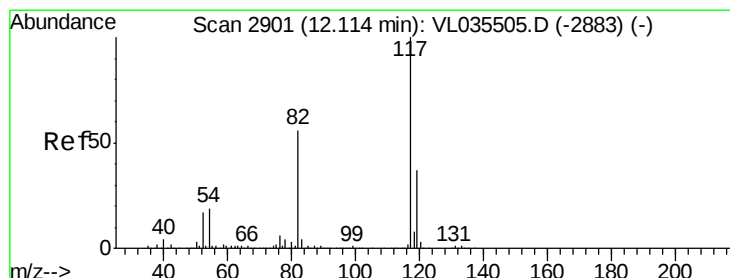
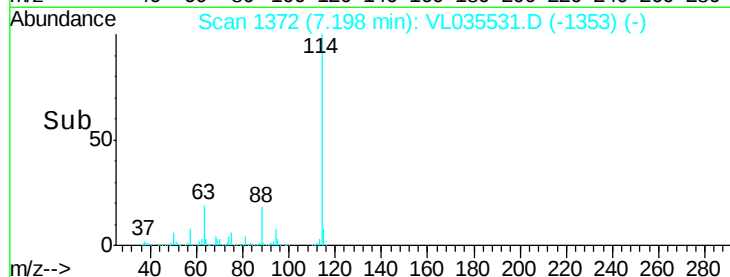
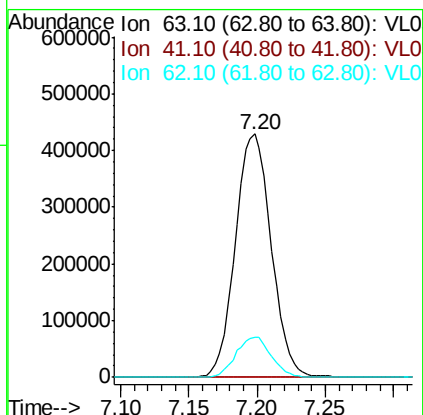
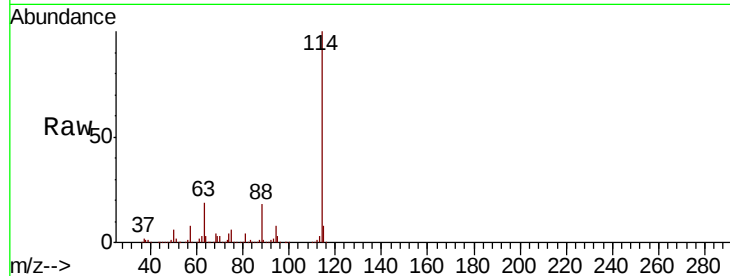




#39
 1,2-Dichloropropane
 Concen: 8.327 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.44 min
 Lab File: VL035531.D
 Acq: 3 Sep 2020 15:11

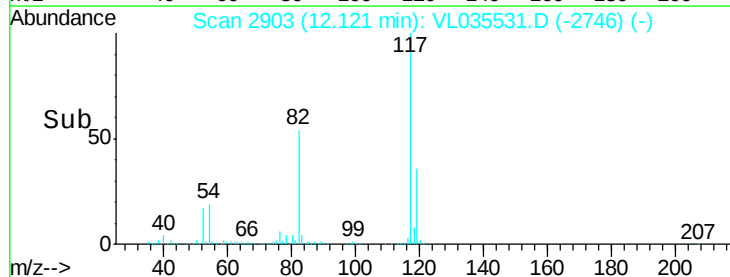
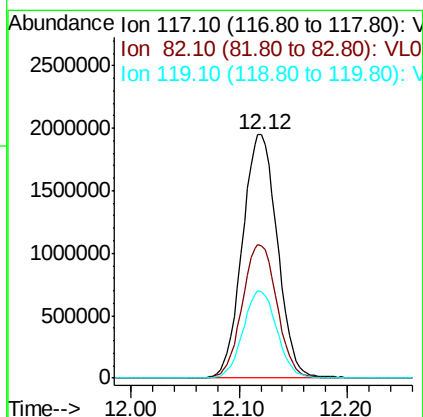
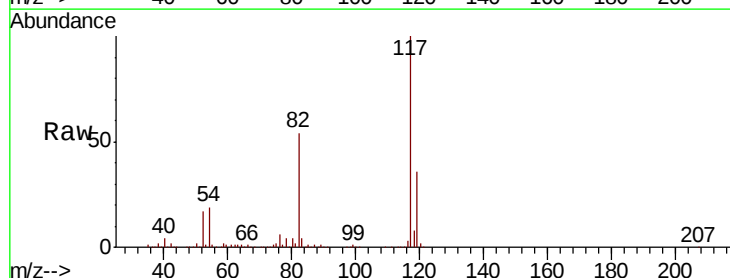
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 QC090220 CAN 10401

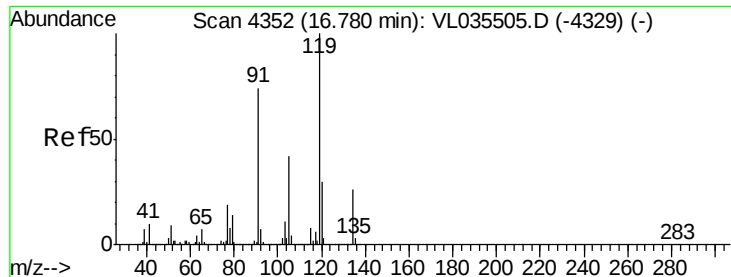
Tot Ion: 63 Resp: 784248
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 16.2 55.4 83.0#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. 0.01 min
 Lab File: VL035531.D
 Acq: 3 Sep 2020 15:11

Tgt Ion: 117 Resp: 4391027
 Ion Ratio Lower Upper
 117 100
 82 54.9 41.6 62.4
 119 34.8 29.3 43.9





#65

tert-Butylbenzene

Concen: 0.151 ppbv

RT: 17.01 min Scan# 4425

Delta R.T. 0.23 min

Lab File: VL035531.D

Acq: 3 Sep 2020 15:11

Instrument :

MSVOA_L

ClientSampleId :

QC090220 CAN 10401

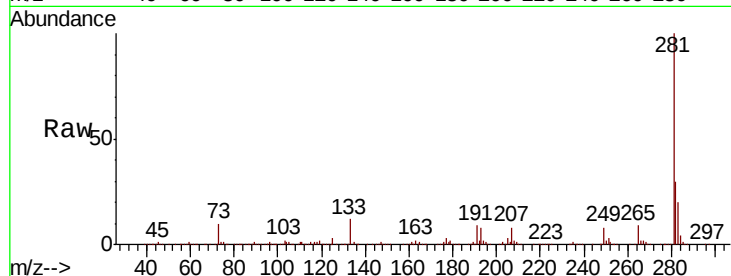
Tot Ion:119 Resp: 85846

Ion Ratio Lower Upper

119 100

91 3.6 58.6 87.8#

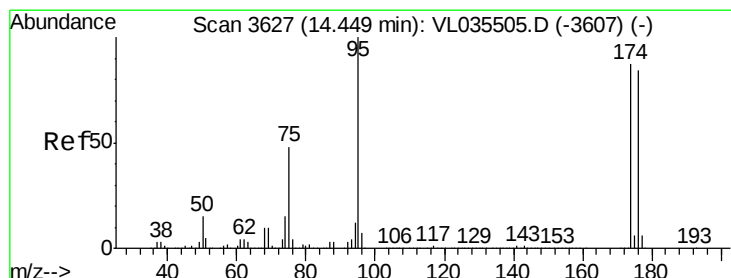
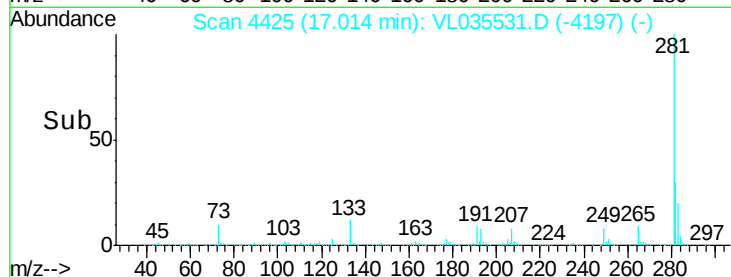
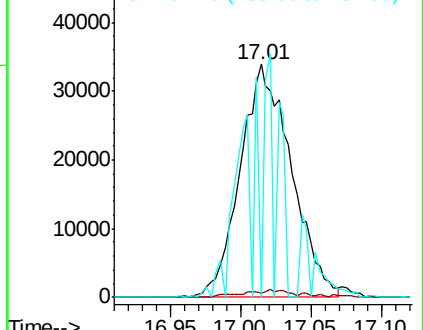
134 64.7 18.9 28.3#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.168 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.00 min

Lab File: VL035531.D

Acq: 3 Sep 2020 15:11

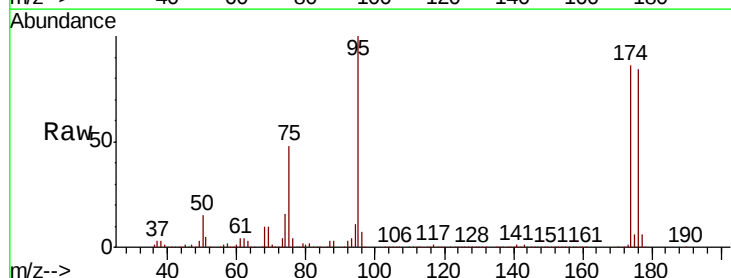
Tgt Ion: 95 Resp: 3170713

Ion Ratio Lower Upper

95 100

174 87.3 69.6 104.4

175 6.3 5.1 7.7



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

