

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035896.D
 Acq On : 10 Nov 2020 19:49
 Operator : SY/AP
 Sample : OC111020 CAN 10279
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC111020 CAN 10279

Quant Time: Nov 11 01:24:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1102463	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3970694	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3841272	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2807192	10.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

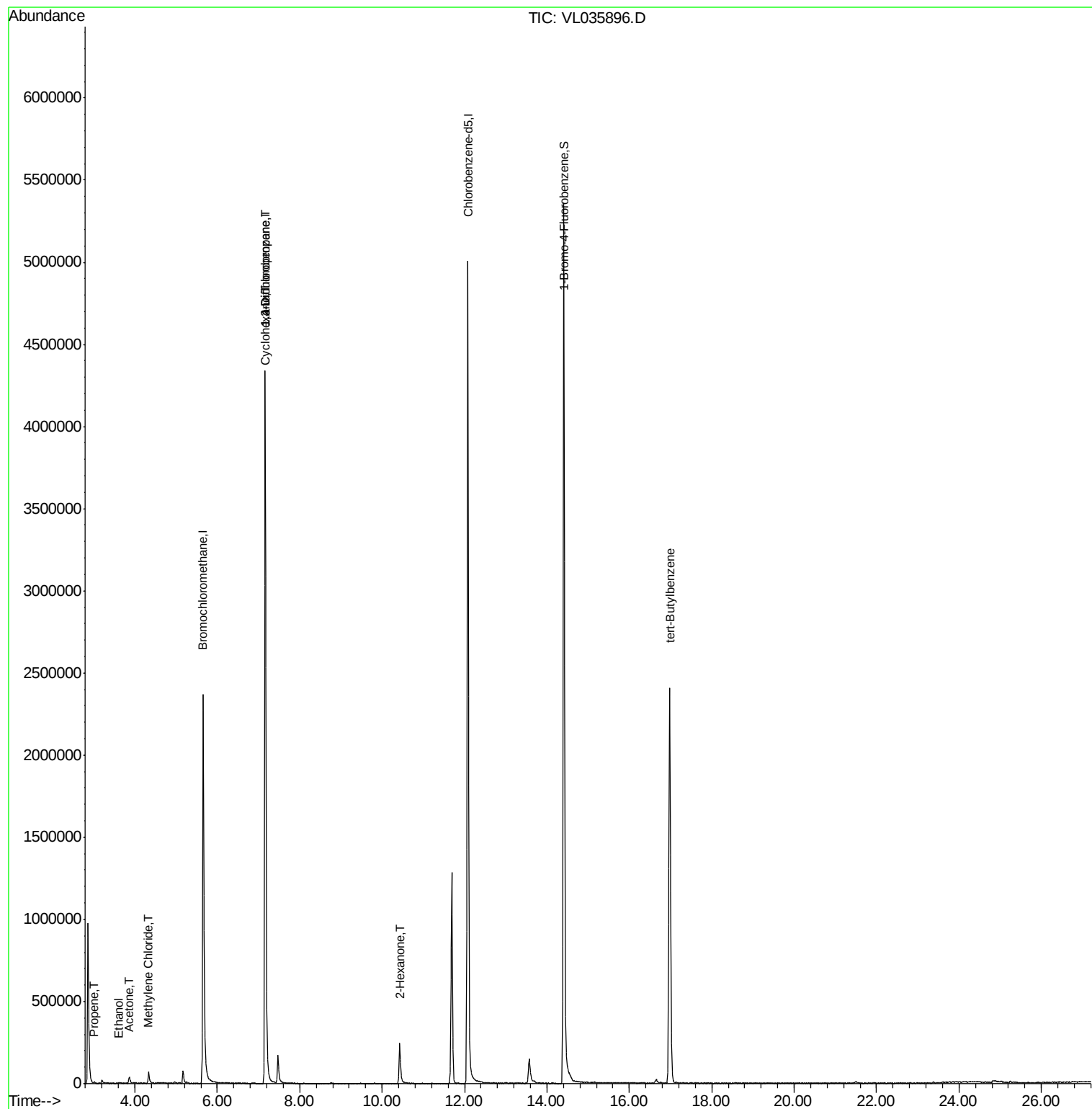
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2355	0.049	ppbv #	70
13) Ethanol	3.60	45	386	0.037	ppbv #	35
15) Acetone	3.85	43	38013	0.323	ppbv #	22
20) Methylene Chloride	4.34	84	36406	0.439	ppbv	95
30) Cyclohexane	7.15	84	8686	0.062	ppbv #	6
39) 1,2-Dichloropropane	7.17	63	803953	8.089	ppbv #	30
51) 2-Hexanone	10.43	43	47818	0.302	ppbv #	44
65) tert-Butylbenzene	16.98	119	48345	0.088	ppbv #	11

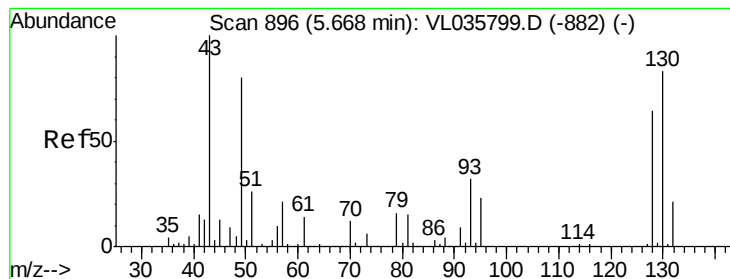
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035896.D

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Instrument :

MSVOA_L

ClientSampleId :

QC111020 CAN 10279

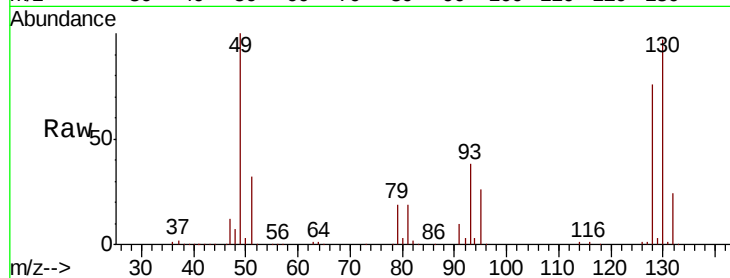
Tot Ion: 49 Resp: 1102463

Ion Ratio Lower Upper

49 100

128 79.1 41.5 124.6

130 99.8 53.7 161.1



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

600000

500000

400000

300000

200000

100000

0

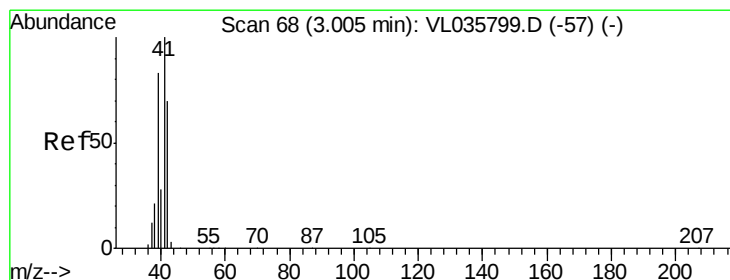
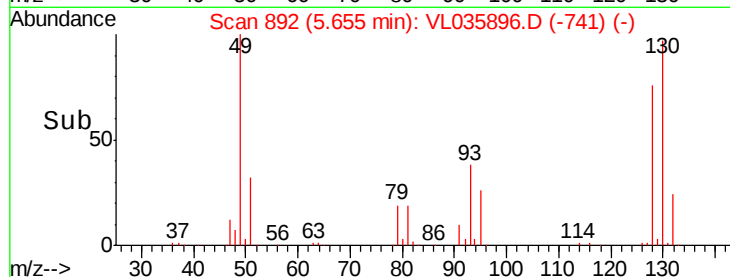
5.65

5.60

5.70

5.80

Time-->



#9

Propene

Concen: 0.049 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035896.D

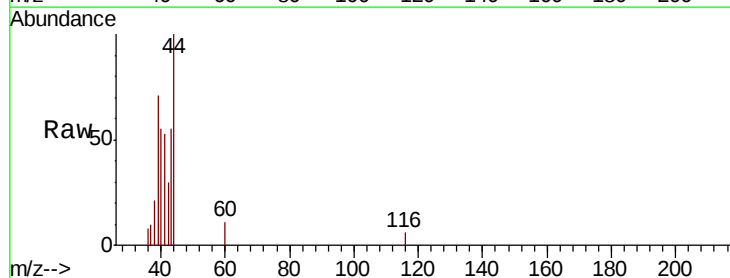
Acq: 10 Nov 2020 19:49

Tgt Ion: 41 Resp: 2355

Ion Ratio Lower Upper

41 100

42 94.7 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2000

1500

1000

500

0

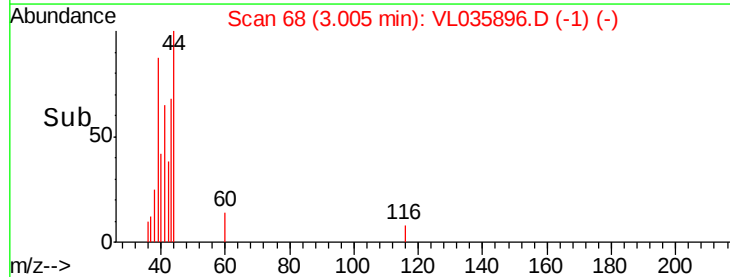
3.01

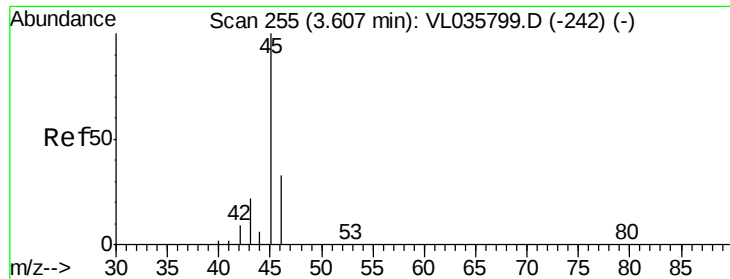
3.00

3.02

3.04

Time-->





#13

Ethanol

Concen: 0.037 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL035896.D

Acq: 10 Nov 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

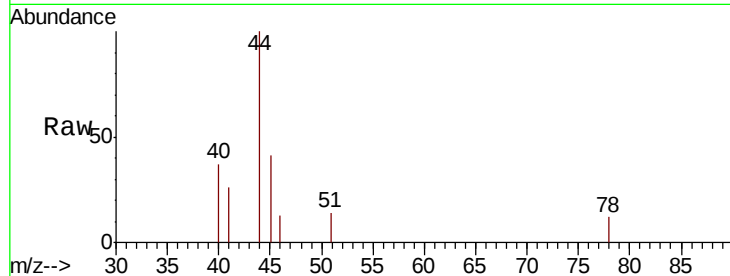
QC111020 CAN 10279

Tot Ion: 45 Resp: 386

Ion Ratio Lower Upper

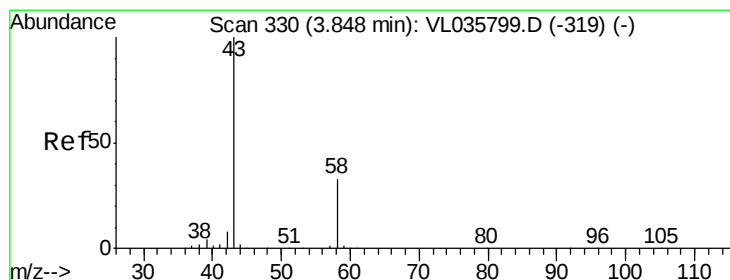
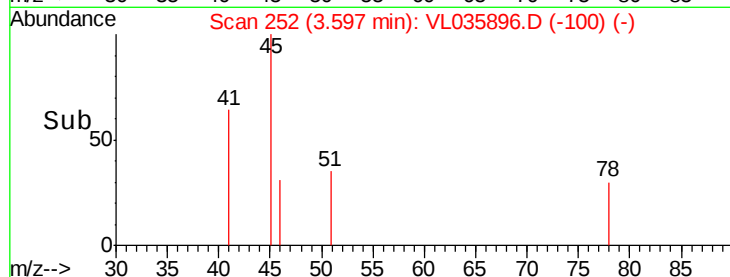
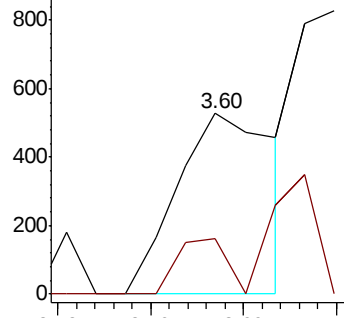
45 100

46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.323 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL035896.D

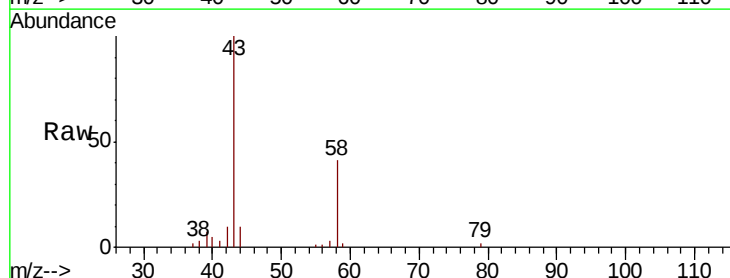
Acq: 10 Nov 2020 19:49

Tgt Ion: 43 Resp: 38013

Ion Ratio Lower Upper

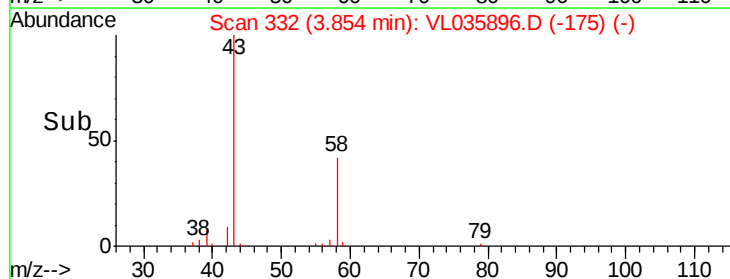
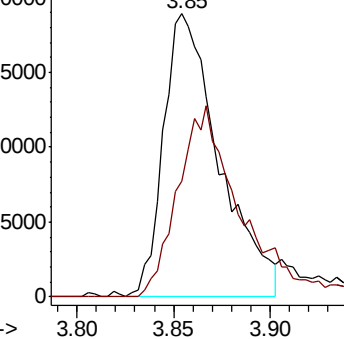
43 100

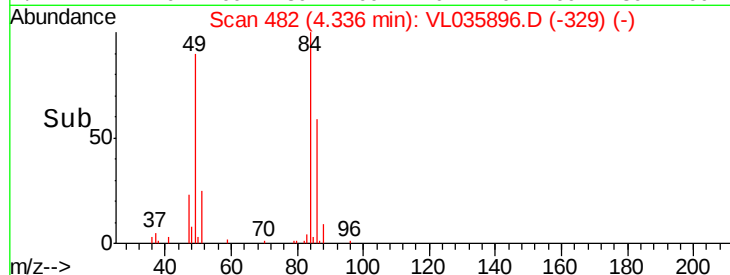
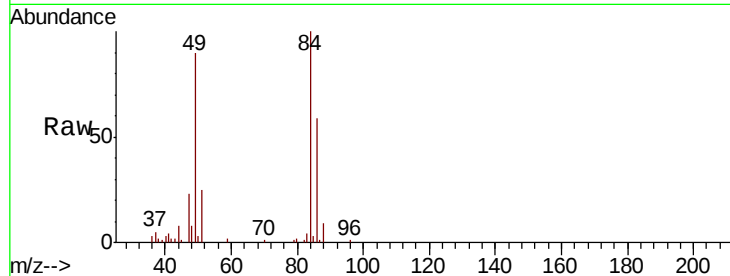
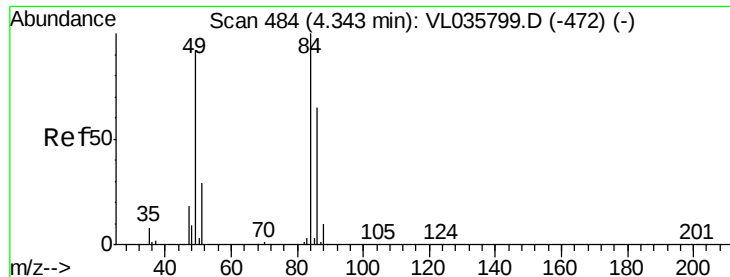
58 79.5 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

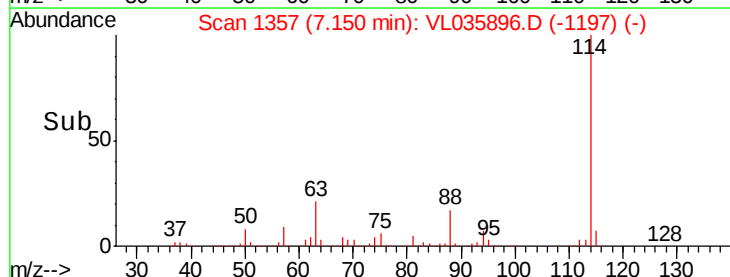
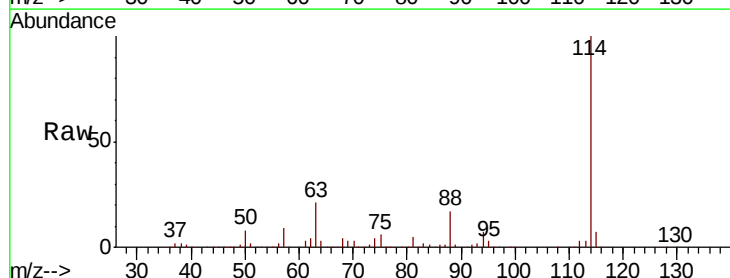
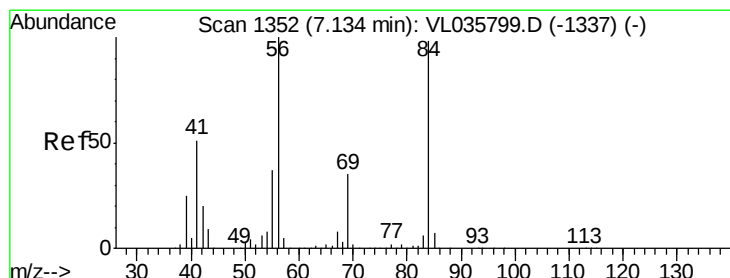
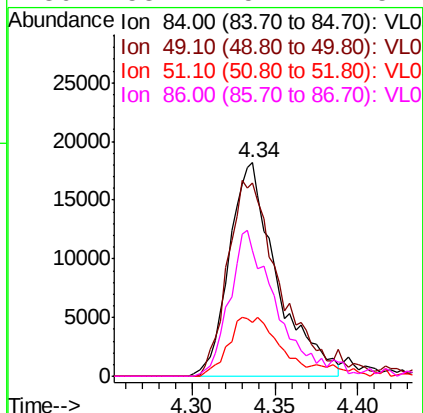




#20
Methvlene Chloride
Concen: 0.439 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035896.D
Acq: 10 Nov 2020 19:49

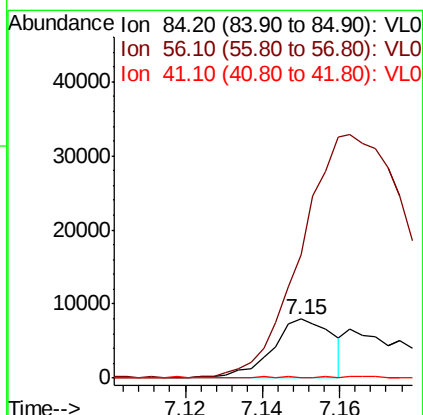
Instrument :
MSVOA_L
ClientSampleId :
QC111020 CAN 10279

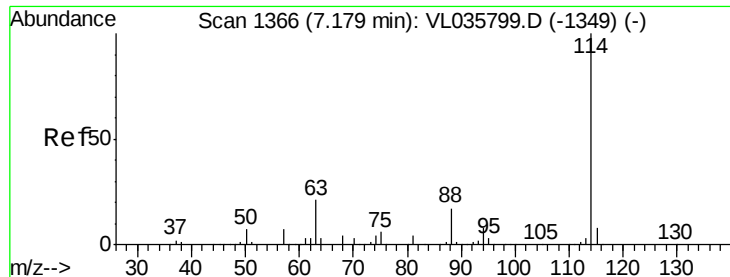
Tot Ion:	84	Resp:	36406
Ion	Ratio	Lower	Upper
84	100		
49	90.4	73.8	110.8
51	25.3	23.0	34.4
86	58.7	52.1	78.1



#30
Cyclohexane
Concen: 0.062 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL035896.D
Acq: 10 Nov 2020 19:49

Tgt Ion:	84	Resp:	8686
Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#

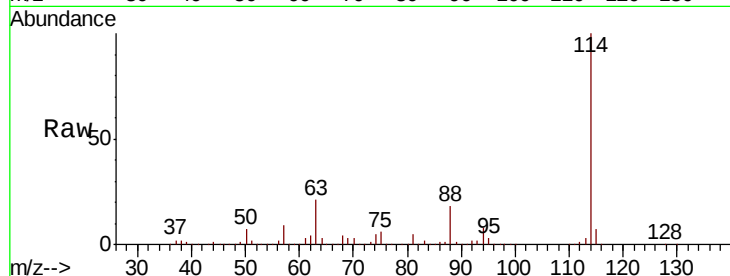




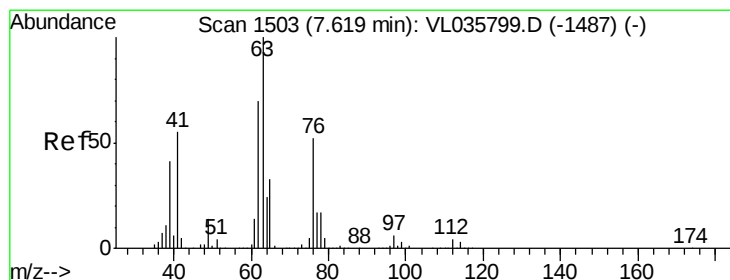
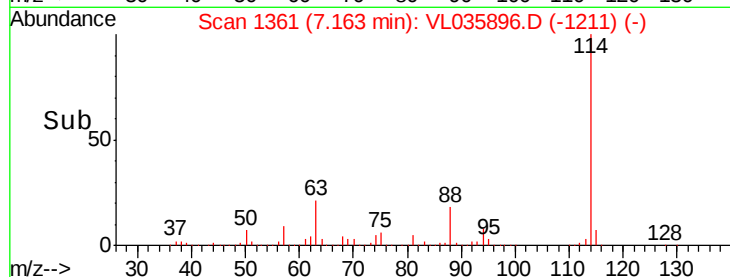
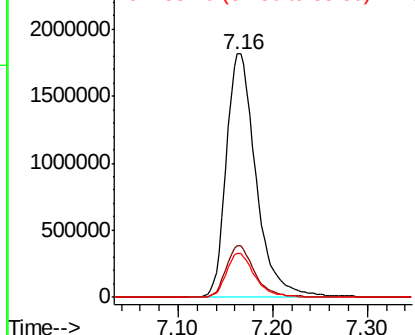
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL035896.D
 Acq: 10 Nov 2020 19:49

Instrument :
 MSVOA_L
 ClientSampleId :
 QC111020 CAN 10279

Tot Ion:114 Resp: 3970694
 Ion Ratio Lower Upper
 114 100
 63 20.6 16.1 24.1
 88 17.5 13.7 20.5

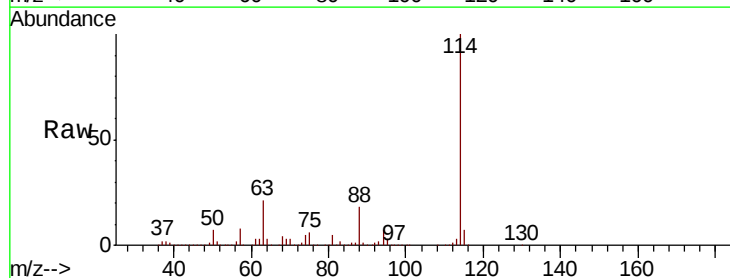


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

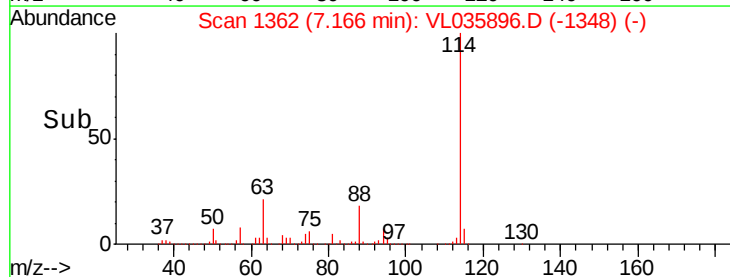
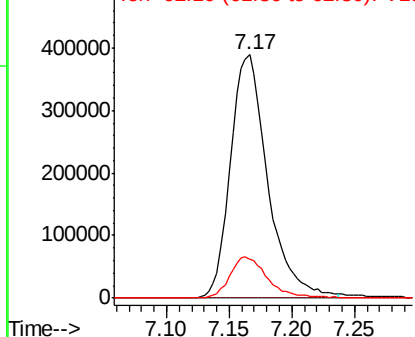


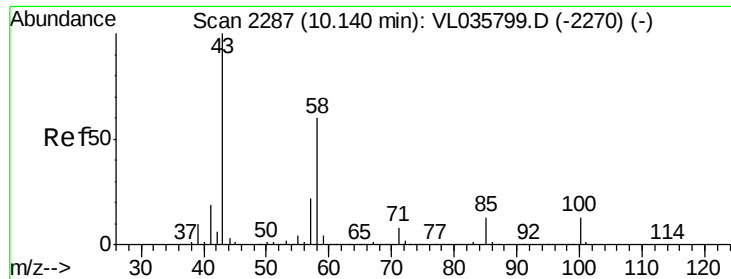
#39
 1,2-Dichloropropane
 Concen: 8.089 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035896.D
 Acq: 10 Nov 2020 19:49

Tgt Ion: 63 Resp: 803953
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 16.2 56.2 84.2#



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





#51

2-Hexanone

Concen: 0.302 ppbv

RT: 10.43 min Scan# 2376

Delta R.T. 0.29 min

Lab File: VL035896.D

Acq: 10 Nov 2020 19:49

Instrument :

MSVOA_L

ClientSampleId :

QC111020 CAN 10279

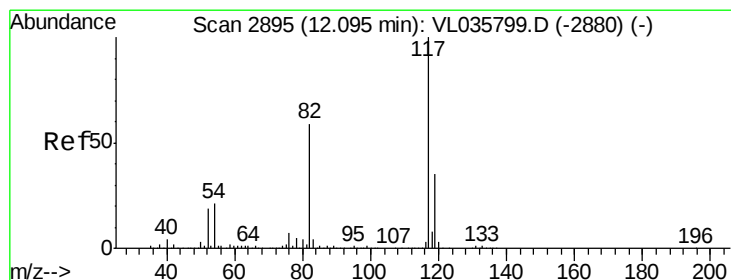
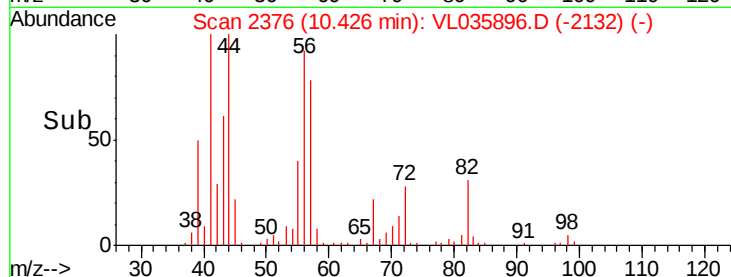
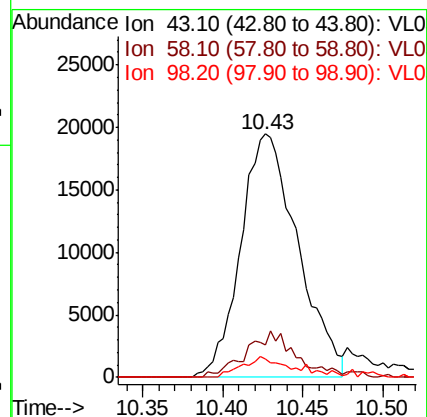
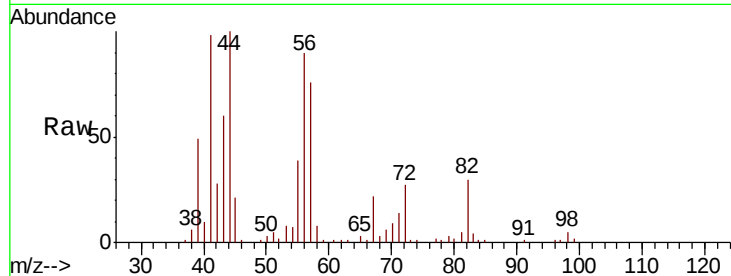
Tot Ion: 43 Resp: 47818

Ion Ratio Lower Upper

43 100

58 17.3 48.3 72.5#

98 8.7 0.6 0.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.02 min

Lab File: VL035896.D

Acq: 10 Nov 2020 19:49

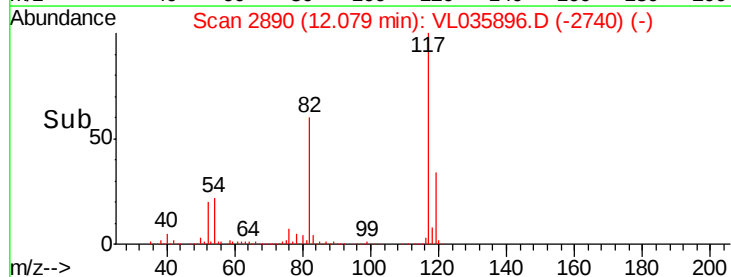
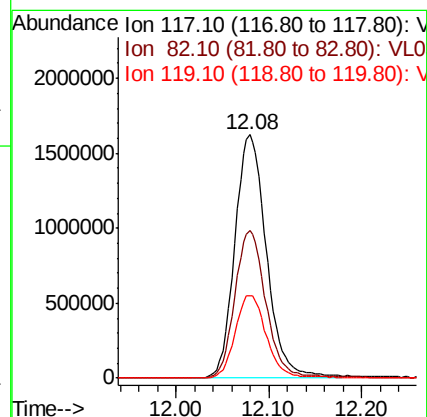
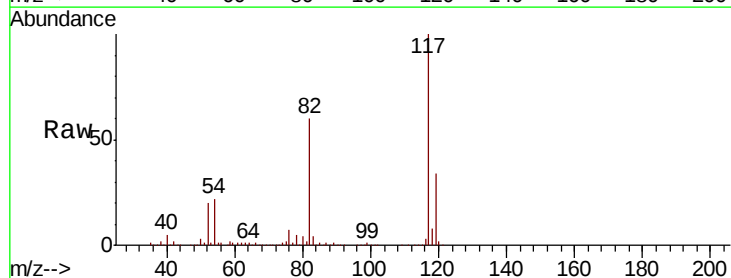
Tgt Ion: 117 Resp: 3841272

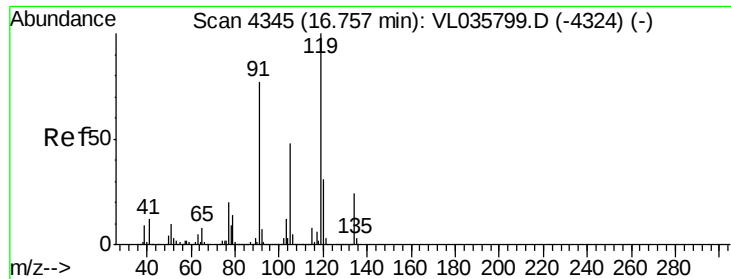
Ion Ratio Lower Upper

117 100

82 60.3 50.6 76.0

119 34.2 52.6 78.8#





#65

tert-Butylbenzene

Concen: 0.088 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.22 min

Lab File: VL035896.D

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QC111020 CAN 10279

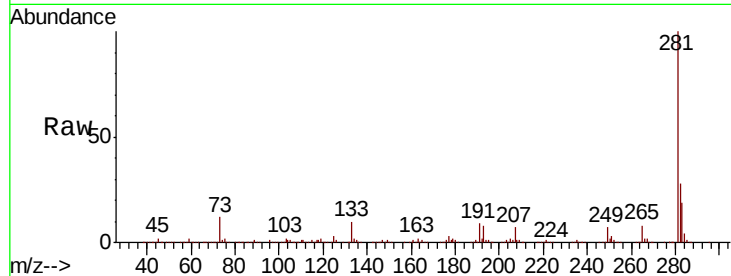
Tot Ion:119 Resp: 48345

Ion Ratio Lower Upper

119 100

91 3.4 62.0 93.0#

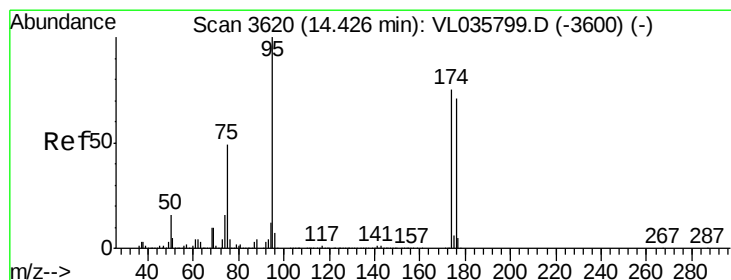
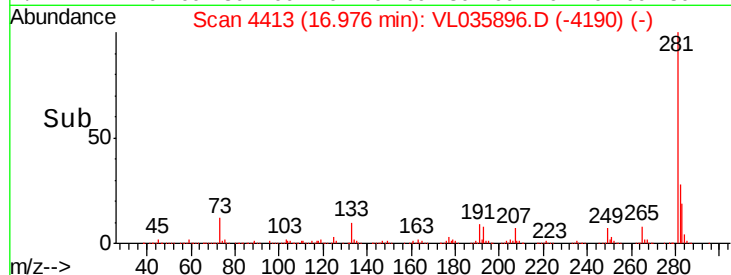
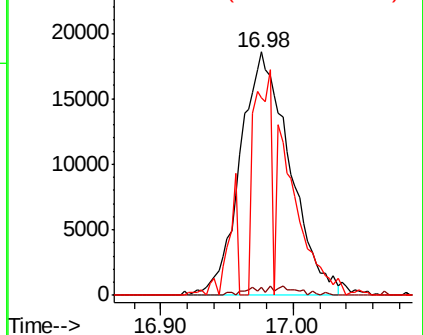
134 71.5 17.8 26.8#



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: 10.286 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL035896.D

Acq: 10 Nov 2020 19:49

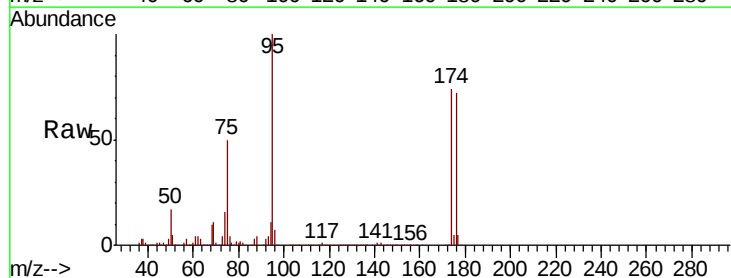
Tgt Ion: 95 Resp: 2807192

Ion Ratio Lower Upper

95 100

174 75.4 59.8 89.6

175 5.3 4.3 6.5



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

